ISSN - 0120 - 0224



ANUARIO METEOROLÓGICO CAFETERO 1999

Federación Nacional de Cafeteros de Colombia

Cenicafé
Centro Nacional de Investigaciones de Café
"Pedro Uribe Mejía"

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Cenicafé
CENTRO NACIONAL DE INVESTIGACIONES DE CAFE
"Pedro Uribe Mejía"

50 AÑOS DEL SERVICIO METEOROLÓGICO DE FEDERACAFÉ

Con la entrega del Anuario Meteorológico Cafetero, 1999, se cumplen 50 años de publicación continua y oportuna. Es la historia de un importante esfuerzo realizado por la Federación Nacional de Cafeteros de Colombia - FEDERACAFÉ - desde 1945, año en el cual mediante el Acuerdo número 6 se ordenó la creación de un Servicio Meteorológico para estudiar y determinar el clima de cada una de las regiones cafeteras de Colombia.

Las mediciones empezaron en el Centro Nacional de Investigaciones de Café "Pedro Uribe Mejía" - Cenicafé - en el municipio de Chinchiná, Caldas (05° 00´ N, 75° 36´W, 1310 msnm) desde 1941 en una estación meteorológica principal en la cual se tomaban observaciones de temperatura y humedad del aire, precipitación, brillo solar y evaporación.

Las primeras estaciones climáticas principales se instalaron en 1950, en las localidades de Cenicafé en Chinchiná-Caldas; Esteban Jaramillo en Venecia-Antioquia; La Florida en Popayán-Cauca; Blonay en Chinácota-Santander y El Líbano en Líbano-Tolima. Las estaciones estaban equipadas con instrumentos para medir la presión atmosférica, temperatura y humedad del aire, brillo solar, dirección y velocidad del viento, lluvia, evaporación, nubosidad y temperatura del suelo. El primer puesto pluviométrico, instalado en mayo de 1950, funcionó en La Bella, Calarcá-Quindío.

La Red Meteorológica ha tenido un crecimiento sostenido y continuo, y en la actualidad se operan unas 200 estaciones que cubren toda la geografía cafetera colombiana en un rango altitudinal entre 1000 y 2000m, en las laderas de las cordilleras. La recepción de la información está centralizada en Cenicafé.

Los procedimientos de instalación y exposición del instrumental y el procesamiento de la información climática se han regido por los lineamientos de la Organización Meteorológica Mundial, lo cual permite la comparación a los niveles nacional e internacional.

La información procesada se ha guardado en formato convencional de papel y en el año de 1994 se creó el Banco Climatológico de Datos para sistematizar los registros a través de un programa de computador elaborado con este fin. Es un proceso que aún continúa y en la actualidad se encuentran disponibles gran parte de las medidas de las variables climáticas, información registrada desde el nivel diario.

La red climática, desde su inicio, recibe la colaboración del personal técnico del Servicio de Extensión de FEDERACAFÉ, así como de los agricultores en sus fincas situadas en los diferentes departamentos donde se produce el café en Colombia.

El Servicio Meteorológico de FEDERACAFÉ ha sido un componente importante dentro de la red meteorológica nacional, debido a la continuidad y confiabilidad de los datos producidos, aspectos reconocidos en varios estudios climáticos de autores nacionales y extranjeros.

La información climática básica ha permitido en estos 50 años la elaboración de estudios sobre el análisis del comportamiento temporal y espacial de la lluvia, temperatura del aire, brillo solar y el viento en las regiones de cultivo del café, regionalización climática para el café y otros cultivos, caracterización del microclima de los cafetales, control de plagas y enfermedades, modelación del crecimiento y desarrollo del café, entre otros.

Otro aspecto que merece ser destacado es la creciente demanda de los registros climáticos durante estos últimos años, como producto de la mayor facilidad de acceso a los mismos y la concientización de la comunidad (estudiantes, profesores, ingenieros, investigadores, agricultores, planificadores, entidades de diferente orden, etc.) sobre su influencia en las diferentes actividades humanas.

Hacia el futuro, el horizonte de la red meteorológica de FEDERACAFÉ es muy amplio puesto que se requiere mejorar el cubrimiento meteorológico de parte de la zona cafetera actual y además, el advenimiento de las estaciones automáticas pone a disposición una herramienta que facilita el seguimiento del clima particularmente en áreas remotas de difícil acceso.

Complacidos hacemos entrega del número 50 del ANUARIO METEOROLOGICO CAFETERO de Colombia y aprovechamos la ocasión para agradecer a los investigadores y personal auxiliar de la Disciplina de Agroclimatología de Cenicafé, al igual que a todas y cada una de las personas que diariamente toman los datos en las estaciones y puestos pluviométricos a lo largo y ancho de la geografía cafetera nacional. A ellos se debe que anualmente entreguemos la compilación de los datos y la confianza que podemos tener en los mismos.

Gabriel Cadena Gómez
Director de Cenicafé



FEDERACIÓN NACIONAL DE CAFETEROS DE COLOMBIA

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FEDERACION NACIONAL DE CAFETEROS DE COLOMBIA. CENTRO NACIONAL DE INVESTIGACIONES DE CAFE. CENICAFE. Chinchiná (Colombia). Anuario Meteorológico Cafetero 1999. Chinchiná (Colombia), CENICAFE, 2000. 524 p.

V1.- 1950.

FEDERACION NACIONAL DE CAFETEROS DE COLOMBIA

CENTRO NACIONAL DE INVESTIGACIONES DE CAFE
"Pedro Uribe Mejía"

DISCIPLINA DE AGROCLIMATOLOGIA

ANUARIO METEOROLOGICO CAFETERO 1999

Se canjea con publicaciones de la misma índole

DIRECCION
ADDRESS

CENICAFE, Chinchiná, Caldas, Colombia

La información de este Anuario fue compilada por los investigadores de CENICAFE, , Alvaro Jaramillo Robledo, José Vicente Baldión Rincón y Orlando Guzmán Martínez con la participación del personal auxiliar de la Disciplina de Agroclimatología, señores Víctor Aguirre Velásquez, Raúl Castaño García, Luis Gonzaga Henao Ríos, Hernán Jaramillo Jaramillo, Wilmar A. Rendón Gómez, Orlando Salazar García y Fabián Sánchez López. Su procesamiento se realizó a través del Sistema de Información de Variables Climáticas, la Disciplina de Sistemas y la colaboración de la Sección de Divulgación. Igualmente se reconoce la valiosa cooperación de los Comités Departamentales de Cafeteros por intermedio de sus Servicios de Extensión y de los observadores en cada una de las estaciones de la red.

INTRODUCCION

Los registros climáticos reunidos en la presente edición de este Anuario Meteorológico corresponden a las observaciones meteorológicas obtenidas durante el año de 1999 en la red de estaciones que posee la Federación Nacional de Cafeteros a lo largo y ancho de la zona cafetera colombiana.

Esta información proviene de:

a) Estaciones climáticas principales dotadas con instrumental que mide temperatura, humedad relativa, lluvia y número de horas de brillo solar.

b) Estaciones heliopluviográficas las cuales suministran datos de lluvia y número de horas de brillo solar.

c) Estaciones pluviográficas provistas de un registrador de lluvias el cual permite conocer la cantidad y la intensidad de éstas.

d) Estaciones pluviométricas basadas en un pluviómetro para registrar la cantidad de lluvia caída.

En la obtención de la información se utilizó el siguiente equipo: termómetro de mercurio con estrangulamiento para la temperatura máxima, termómetro de alcohol para la temperatura mínima, psicrómetro normal con aspirador, termohigrógrafo con sensores bimetálico y de cabellos para la temperatura y humedad respectivamente, pluviógrafo de sifón tipo Hellman, pluviómetro con reglilla de 200 cm^2 de boca colectora y heliógrafo tipo Campbell-Stokes. La altura y exposición del instrumental se ajusta a la sugerida por la Organización Meteorológica Mundial -OMM-.

El horario de observaciones está de acuerdo con las recomendaciones de la OMM y comprende tres lecturas diarias de los diferentes elementos a las 07:00, 13:00 y 19:00 horas (hora local) contando además con datos continuos en los instrumentos registradores.

La recopilación, verificación y depuración de la información procedente de las distintas estaciones se adelanta en la estación central de CENICAFE localizada en el Centro Nacional de Investigaciones de Café "Pedro Uribe Mejía" (CENICAFE).

CALCULOS

Los valores de humedad relativa para cada término de observación se obtuvieron utilizando las lecturas del psicrómetro (termómetro seco y termómetro húmedo) y las tablas psicrométricas (tablas de tensión del vapor saturante), estas últimas calculadas con la fórmula empírica siguiente:

$$e = E1 - Ap\ (t - t1)$$

donde:

e	=	tensión del vapor actual en milibares
E_1	=	tensión del vapor de saturación a la temperatura t_1
Ap	=	constante psicrométrica (en función del aparato y de la presión atmosférica)
t	=	temperatura del termómetro seco en °C
t_1	=	temperatura del termómetro húmedo en °C

La humedad relativa (HR) se estima con la fórmula:

$$HR = \frac{e \times 100}{E}$$

donde:

E	=	tensión del vapor de saturación a la temperatura del termómetro seco (t)

Los valores medios diarios de la humedad relativa (HR) corresponden a la media aritmética de las tres observaciones así:

$$HR = \frac{07:00 + 13:00 + 19:00}{3}$$

La temperatura media diaria (T) se calcula según el promedio aritmético:

$$T = \frac{07:00 + 13:00 + 19:00 + 19:00}{4}$$

Las medidas mensuales y anuales de las dos variables anteriores, así como también las de las temperaturas máxima y mínima, se calculan con base en los valores diarios correspondientes.

Las temperaturas máxima y mínima absolutas se refieren al mayor y menor valor observados durante el día de 07:00 a 19:00 horas y de 24:00 a 24:00 horas, respectivamente.

La lluvia en las estaciones climatológicas principales, heliopluviográficas y pluviográficas está organizada de la siguiente manera:

Lluvia diurna = total registrado desde las 07:00 hasta las 19:00 horas.

Lluvia nocturna = total acumulado desde las 19:00 hasta las 07:00 horas del día siguiente.

Total diario = corresponde a la suma de los valores del día y de la noche.

Cuando aparece solamente la columna del total diario, ello indica que el dato proviene del pluviómetro.

El número de días lluviosos es la suma total de aquellos días que presentaron una lluvia igual o superior a 0.1 mm.

El brillo solar es la suma diaria, mensual o anual del número de horas con sol registradas en el heliógrafo.

La representación gráfica que acompaña las diferentes estaciones compara los registros del año 1999 con sus correspondientes promedios históricos. Cuando la estación es nueva o tiene menos de 5 años de funcionamiento no le aparece el dato histórico.

MODIFICACIONES EN LA RED DEL SERVICIO METEOROLOGICO

Se presentaron algunas novedades durante el año 1999 en relación con el funcionamiento de la red meteorológica, así:

Estaciones heliopluviográficas nuevas.

La estación climatológica principal Irco Dosaguas pasó a la categoría de heliopluviográfica en el mes de enero.

Estaciones pluviométricas nuevas.

Departamento	Municipio	Nombre
Antioquia	Fredonia	Santa Isabel (febrero)
Caldas	Manizales	La Matilde (junio/98)
Caldas	Manzanares	El Brisal (junio)
Caldas	Neira	Piamonte (junio)
Caldas	Aguadas	Salineros (julio)
Caldas	Aguadas	San José (julio)
Caldas	Anserma	Mediacuesta (julio)
Caldas	Anserma	Santafé (julio)
Caldas	Manizales	El Pistacho (julio)
Caldas	Pácora	Las Delicias (julio)
Caldas	Salamina	La Gaviota (julio)
Caldas	Salamina	Encimadas (julio)
Caldas	Viterbo	La Esmeralda(julio)
Caldas	Pácora	La Florida (agosto)
Caldas	Anserma	Tabuyo (sept.)
Caldas	Villamaría	Bello Horizonte (sept.)
Caldas	San José	La Divisa (octubre)
Caldas	Risaralda	San Lucas (octubre)
Caldas	La Merced	El Socorro (noviembre)
Caldas	Aranzazu	El Silencio (noviembre)

Estaciones pluviométricas nuevas.

Cauca	Mondomo	El Fontanao (enero/83)
Cauca	El Tambo	La Suecia (junio)
Córdoba	Planeta Rica	El Caucho (enero)
Córdoba	Planeta Rica	Irán (febrero)
Tolima	Fresno	Tricontinental (febrero)

Estaciones pluviométricas suspendidas.

Tolima	Fresno	La Cimarrona (agosto)

LOCALIZACION DE LA RED METEOROLOGICA

La Federación Nacional de Cafeteros de Colombia (FEDERACAFE) realizó el estudio "Ecotopos Cafeteros de Colombia"*, entendiéndose como Ecotopo Cafetero una región agroecológica delimitada geográficamente teniendo en cuenta las condiciones predominantes de clima, suelo y relieve en donde se obtiene una respuesta biológica similar del cultivo del café. Una de las actividades allí adelantadas consistió en verificar en el campo la ubicación de las estaciones meteorológicas de acuerdo con las planchas de escala 1:100.000 del Instituto Geográfico "Agustín Codazzi" (IGAC). Con base en esta cartografía se revisaron algunos aspectos geográficos tales como la latitud, longitud y corriente o río más cercano. Estas modificaciones que aparecen en el Anuario, no implican de manera alguna que se trate de una nueva estación sino que solamente se ha precisado mejor su ubicación. Así mismo, como en el estudio citado el cubrimiento geográfico de la zona cafetera se hace de norte a sur por cordilleras (1, Occidental; 2, Central; 3, Oriental y 4, Sierra Nevada de Santa Marta) y vertientes (A, occidental, B, oriental) se ha considerado conveniente presentar la relación de estaciones en la misma forma para asociarlas con el ecotopo cafetero respectivo. Así por ejemplo, la estación Naranjal situada en la Cordillera Central (2), vertiente occidental (A) y número de orden 06 de norte a sur, se identifica como correspondiente al ecotopo 206A.

GOMEZ G., L.; CABALLERO R., A.; BALDION R., J.V. Ecotopos cafeteros de Colombia. Santafé de Bogotá (Colombia). 1991. 131p. FEDERACAFE

Estación	Municipio	Departamento	Latitud Norte	Longitud Oeste	Altitud m	Corriente	Ecotopo
CORDILLERA OCCIDENTAL - VERTIENTE OCCIDENTAL							
Albán	El Cairo	Valle	04° 46'	76° 11'	1.500	Las Vueltas	103A
Santiago Gutiérrez	Argelia	Valle	04° 43'	76° 07'	1.550	Las Vueltas	103A
Julio Fernández	Restrepo	Valle	03° 48'	76° 32'	1.360	Grande	105A
CORDILLERA OCCIDENTAL - VERTIENTE ORIENTAL							
El Trapiche	Bolívar	Antioquia	05°48'	76°01'	1.320	Farallones	102B
Vírgen de Oro	Támesis	Antioquia	05°42'	75°42'	1.656	La Vírgen	105B
La Cristalina	Támesis	Antioquia	05°42'	75°35'	775	Cartama	105B
Miguel Valencia	Jardín	Antioquia	05° 36'	75° 51'	1.570	Claro	105B
El Descanso	Marmato	Caldas	05° 30'	75° 37'	1.800	Cauca	106B
La Argentina	Riosucio	Caldas	05° 28'	75° 42'	1.420	Cauca	106B
Rafael Escobar	Supía	Caldas	05° 28'	75° 39'	1.320	Cauca	106B
La Manuelita	Riosucio	Caldas	05° 22'	75° 41'	1.400	Sucio	106B
La Oriental	Quinchía	Risaralda	05° 22'	75° 43'	1.630	Quinchía	106B
El Barranco	Mistrató	Risaralda	05° 20'	75° 53'	1.580	Risaralda	106B
Ospirma	Guática	Risaralda	05° 20'	75° 49'	1.680	Guática	106B
Buenos Aires	Guática	Risaralda	05° 19'	75° 49'	1.750	Guática	106B
El Diamante	Quinchía	Risaralda	05° 19'	75° 42'	1.550	Quinchía	106B
Vista Hermosa	Belén de Umbría	Risaralda	05° 15'	75° 54'	1.850	Risaralda	106B
La Elvira	Belén de Umbría	Risaralda	05° 12'	75° 52'	1.520	Risaralda	107B
Los Cámbulos	Belén de Umbría	Risaralda	05° 09'	75° 53'	1.400	Risaralda	107B
El Samán	Risaralda	Caldas	05° 09'	75° 46'	1.550	Cauca	107B
La Bella	Viterbo	Caldas	05° 04'	75° 52'	880	Risaralda	107B
Los Naranjos	Santuario	Risaralda	05° 03'	76° 00'	1.650	Mapa	108B
La Tribuna	Balboa	Risaralda	04° 57'	75° 57'	1.500	Cuba	108B
Ingenio Risaralda	Balboa	Risaralda	04° 55'	75° 54'	900	Risaralda	108B
Santa Marta	El Aguila	Valle	04° 52'	76° 03'	1.760	Catarina	108B
Canadá	Ansermanuevo	Valle	04° 48'	75° 57'	930	Cauca	108B
El Placer	Ansermanuevo	Valle	04° 47'	76° 06'	1.730	Chanco	108B
Bellavista	Ansermanuevo	Valle	04° 45'	76° 06'	1.550	Chanco	108B
Manuel M. Mallarino	Trujillo	Valle	04° 13'	76° 19'	1.380	Culebras	110B
CORDILLERA CENTRAL - VERTIENTE OCCIDENTAL							
Carimagua	Amagá	Antioquia	06°01'	75°41'	1.750	Sinifana	203A
El Rosario	Venecia	Antioquia	05° 58'	75° 43'	1.600	Sinifana	203A
Bariloche	Fredonia	Antioquia	05° 56'	75° 41'	1.700	Granadero	203A
Santa Cruz	Fredonia	Antioquia	05° 54'	75° 38'	1.400	Poblanco	203A
La Blanquita	Fredonia	Antioquia	05° 49'	75° 41'	569	Cauca	203A
Guaymaral	Aguadas	Caldas	05° 40'	75° 23'	1.600	Arma	204A
Cuatro Esquinas	Aguadas	Caldas	05° 40'	75° 25'	1.900	Arma	204A
La Linda	Pácora	Caldas	05° 32'	75° 32'	1.850	Pácora	204A
La Cascada	Pácora	Caldas	05°28'	75°33'	1.600	Pozo	204A
La Julia	Filadelfia	Caldas	05° 18'	75° 34'	1.650	Maibá	204A
El Mirador	Filadelfia	Caldas	05° 14'	75° 34	1.650	Tareas	205A
El Refugio	Neira	Caldas	05° 11'	75° 35'	1.320	Tapias	205A
La Selva	Manizales	Caldas	05° 07'	75° 36'	1.350	Guacaica	205A
Santa Teresa	Manizales	Caldas	05° 07"	75°32'	1.800	Guacaica	205A
Las Colinas	Manizales	Caldas	05° 06'	75° 34'	1.450	Guacaica	205A
Granja Luker	Palestina	Caldas	05° 05'	75° 41'	1.020	Chinchiná	206A
Santágueda	Palestina	Caldas	05° 05'	75° 40'	1.010	Chinchiná	206A
El Algarrobo	Manizales	Caldas	05° 04'	75° 25'	1.230	Manzanares	206A
Santa Teresita	Manizales	Caldas	05° 04'	75° 37'	1.200	Chinchiná	206A
Providencia	Palestina	Caldas	05° 03'	75° 42'	1.250	Campoalegre	206A
La Argentina	Palestina	Caldas	05° 02'	75° 41'	1.350	Campoalegre	206A
El Recreo	Palestina	Caldas	05° 02'	75° 39'	1.450	Chinchiná	206A

Estación	Municipio	Departamento	Latitud Norte	Longitud Oeste	Altitud m	Corriente	Ecotopo
Moravo	Chinchiná	Caldas	05°01'	75°43'	1.094	Campoalegre	206A
Santa Ana	Palestina	Caldas	05° 01'	75° 40'	1.250	Campoalegre	206A
Planalto	Chinchiná	Caldas	05° 01'	75° 36'	1.425	Chinchiná	206A
La Palmera	Marsella	Risaralda	05° 00'	75° 45'	1.450	San Francisco	206A
La Palma	Palestina	Caldas	05° 00'	75° 41'	1.300	Campoalegre	206A
Cenicafé	Chinchiná	Caldas	05° 00'	75° 36'	1.310	Chinchiná	206A
La Sierra	Chinchiná	Caldas	04° 59'	75° 38'	1.450	Campoalegre	206A
Naranjal	Chinchiná	Caldas	04° 59'	75° 39'	1.400	Campoalegre	206A
La Francia	Chinchiná	Caldas	04° 59'	75° 41'	1.360	Campoalegre	206A
La Divisa	Chinchiná	Caldas	04° 59'	75° 36'	1.590	Chinchiná	206A
La Romelia	Chinchiná	Caldas	04° 58'	75° 40'	1.400	Campoalegre	206A
Los Pomos	Chinchiná	Caldas	04° 58'	75° 35'	1.500	Chinchiná	206A
La Teresita	Santa Rosa de Cabal	Risaralda	04° 57'	75° 38'		San Eugenio	206A
Santa Helena	Santa Rosa de Cabal	Risaralda	04° 57'	75° 37'		Campoalegre	206A
El Castillo	Santa Rosa de Cabal	Risaralda	04° 56'	75° 40'	1.550	Otún	206A
El Jazmín	Santa Rosa de Cabal	Risaralda	04° 55'	75° 38'	1.600	San Eugenio	206A
La Morenita	Marsella	Risaralda	04° 54'	75° 46'	1.440	Cauca	206A
El Bosque	Dosquebradas	Risaralda	04° 50'	75° 41	1.450	Otún	206A
La Juliana	Manizales	Caldas	05° 09'	75° 29'	1.750	Guacaica	207A
Agronomía	Manizales	Caldas	05° 03'	75° 29'	2.150	Chinchiná	207A
Frutiflorida	Villamaría	Caldas	05° 01'	75° 28'	2.130	Chinchiná	207A
Java	Manizales	Caldas	05° 01'	75° 33'	1.780	Chinchiná	207A
El Cedral	Pereira	Risaralda	04° 42'	75° 32'	2.120	Otún	208A
El Pilamo	Pereira	Risaralda	04°52'	75°48'	1.070	Combia	208A
Combia	Pereira	Risaralda	04° 51'	75° 47'	1.240	Otún	209A
La Playa	Pereira	Risaralda	04° 50'	76° 46'	1.230	Otún	209A
Los Cámbulos	Pereira	Risaralda	04° 49'	75° 50'	1.240	Cauca	209A
Planta de Tratamiento	Pereira	Risaralda	04° 49'	75° 41'	1.450	Otún	209A
La Renta	Pereira	Risaralda	04° 47'	75° 42'	1.250	Consota	209A
Hiroshima	Pereira	Risaralda	04° 46'	75° 44'	1.340	Consota	209A
La Catalina	Pereira	Risaralda	04° 45'	75° 45'	1.350	Consota	209A
La Abuelita	Pereira	Risaralda	04° 44'	75° 47'	1.250	Barbas	209A
El Recreo	Ulloa	Valle	04° 42'	75° 44'	1.410	Barbas	209A
Arturo Gómez	Alcalá	Valle	04° 40'	75° 47'	1.320	La Vieja	209A
Bremen	Circasia	Quindío	04° 40'	75° 37'	2.040	Roble	210A
La Esperanza	Filandia	Quindío	04° 38'	75° 42'	1.700	La Vieja	210A
Vivero	Quimbaya	Quindío	04° 37'	75° 46'	1.400	La Vieja	210A
Maracay	Quimbaya	Quindío	04° 36'	75° 46'	1.450	La Vieja	210A
La Ilusión	Circasia	Quindío	04° 35'	75° 42'	1.500	Espejo	210A
La Rocallosa	Armenia	Quindío	04° 35'	75° 38'	1.585	Quindío	210A
La Julia	Montenegro	Quindío	04° 33'	75° 45'	1.320	Espejo	210A
Sorrento	Montenegro	Quindío	04° 32'	75° 50'	1.200	La Vieja	210A
Tucumán	Armenia	Quindío	04° 32'	75° 44'	1.250	Espejo	210A
El Agrado	Montenegro	Quindío	04° 31'	75° 47'	1.350	Espejo	210A
La Bella	Calarcá	Quindío	04° 30'	75° 40'	1.450	Quindío	210A
El Paraíso	Calarcá	Quindío	04° 29'	75° 42'	1.400	Quindío	210A
Pradera	Armenia	Quindío	04° 28'	75° 43'	1.350	Quindío	210A
El Jardín	Calarcá	Quindío	04° 28'	75° 42'	1.300	Santo Domingo	210A
Quebradanegra	Calarcá	Quindío	04° 27'	75° 40'	1.500	Santo Domingo	210A
La Miranda	La Tebaida	Quindío	04° 26'	75° 50'	1.120	La Vieja	210A
La Argentina	La Tebaida	Quindío	04° 26'	75° 47'	1.150	La Vieja	210A
Mónaco	Córdoba	Quindío	04° 25'	75° 42'	1.300	Ríoverde	210A
Paraguaicito	Buenavista	Quindío	04° 23'	75° 44'	1.250	Ríoverde	211A
La Esperanza	Buenavista	Quindío	04° 21'	75° 45'	1.400	Quindío	211A
El Porvenir	Pijao	Quindío	04° 19'	75° 47'	1.540	Lejos	211A
Villa Horizaba	Génova	Quindío	04° 15'	75° 48'	1.470	Barragán	211A
La Alejandría	Génova	Quindío	04° 11'	75° 47'	1.600	Gris	211A
El Berrión	Cartago	Valle	04° 41'	75° 51'	1.150	La Vieja	212A
Venecia	Caicedonia	Valle	04° 20'	75° 50'	1.170	Pijao	213A

Estación	Municipio	Departamento	Latitud Norte	Longitud Oeste	Altitud m	Corriente	Ecotopo
La Sirena	Sevilla	Valle	04° 17'	75° 55'	1.500	Totoró	213A
La Selva	Ginebra	Valle	03° 45'	76° 12'	1.800	Guabas	215A
Campanella	Palmira	Valle	03° 29'	76° 12'	1.550	Aguas Claras	215A
Instituto Técnico	S/der de Quilichao	Cauca	03° 01'	76° 29'	1.110	Quilichao	217A
La Trinidad	Piendamó	Cauca	02° 44'	76° 34'	1.600	Tunia	218A
Manuel Mejía	El Tambo	Cauca	02° 25'	76° 45'	1.700	Piedras	218A
Portachuelo	Rosas	Cauca	02° 15'	76° 45'	1.750	Esmita	219A
El Sauce	La Unión	Nariño	01° 37'	77° 06'	1.610	Mayo	220A
Ospina Pérez	Consacá	Nariño	01° 15'	77° 29'	1.700	Guáitara	221A
		CORDILLERA CENTRAL - VERTIENTE ORIENTAL					
Cocorná	Cocorná	Antioquia	06° 04'	75° 12'	1.344	Cocorná	205B
Hogar Juvenil	Pensilvania	Caldas	05° 30'	75° 11'	1.560	Samaná	205B
Guacas	Pensilvania	Caldas	05° 28'	75° 10'	1.700	Dulce	205B
La Corneta	Victoria	Caldas	05° 23'	74° 54'	800	Doña Juana	205B
Villaraz	Pensilvania	Caldas	05° 23'	75° 04'	1.650	Tenerife	205B
Granja Kennedy	Pensilvania	Caldas	05° 20'	75° 06'	1.800	La Miel	205B
Cuba	Victoria	Caldas	05° 20'	74° 56'	1.050	Doña Juana	205B
La Pastorita	Victoria	Caldas	05° 19'	74° 57'	1.100	Guarinó	205B
Santa Helena	Marquetalia	Caldas	05° 19'	75° 00'	1.450	La Miel	205B
La Mesa	Mariquita	Tolima	05° 14'	74° 58'	1.200	Sucio	206B
Llanadas	Manzanares	Caldas	05° 12'	75° 08'	1.420	Santo Domingo	206B
La Cimarrona	Fresno	Tolima	05° 10'	75° 01'	1.340	Sucio	206B
Palocabildo	Falan	Tolima	05° 07'	75° 01'	1.500	Sabandija	206B
La Danta	Casabianca	Tolima	05° 06'	75° 06'	1.700	Gualí	206B
El Edén	Líbano	Tolima	04° 58'	75° 00'	1.350	Lagunilla	207B
La Trinidad	Líbano	Tolima	04° 54'	75° 03'	1.430	Recio	207B
El Inciensal	Murillo	Tolima	04° 53'	75° 08'	2.400	Lagunilla	207B
Planes	Lérida	Tolima	04° 51'	75° 00'	1.200	Recio	207B
Guadualito	Santa Isabel	Tolima	04° 42'	75° 04'	1.620	Totaré	208B
Totarito	Alvarado	Tolima	04° 40'	75° 01'	1.250	Totaré	208B
Janiyof	Anzoátegui	Tolima	04° 38'	75° 06'	1.720	Totaré	208B
La Primavera	Ibagué	Toiima	04° 25'	75° 15'	1.300	Combeima	209B
El Recreo	Ortega	Tolima	04° 03'	75° 19'	1.520	Opani	209B
La Meseta	San Antonio	Tolima	03° 56'	75° 29'	1.600	La Lejía	209B
Poco a Poco	Chaparral	Tolima	03° 47'	75° 33'	1.340	Tetuán	210B
Irco Dosaguas	Chaparral	Tolima	03° 39'	75° 37'	1.210		210B
Montefrío	Natagaima	Tolima	03° 29'	75° 16'	1.500	Patá	211B
Los Andes	Planadas	Tolima	03° 11'	75° 37'	1.500	Atá	211B
Corrales	Teruel	Huila	02° 43'	75° 33'	1.450	Yaguará	212B
		CORDILLERA ORIENTAL - VERTIENTE OCCIDENTAL					
Palestina	Rionegro	Santander	07° 19'	73° 07'	1.350	Santa Cruz	302A
Cocal	Rionegro	Santander	07° 16'	73° 09'	700	Negro	302A
Los Cocos	Rionegro	Santander	07° 14'	73° 07'	1.300	Negro	302A
Ceylán	Bucaramanga	Santander	07° 11'	73° 07'	1.300	Suratá	302A
San Antonio	Floridablanca	Santander	07° 06'	73° 04'	1.480	Frío	302A
Miporal	Floridablanca	Santander	07° 05'	73° 04'	1.200	Frío	302A
La Loma	Floridablanca	Santander	07° 04'	73° 04'	1.400	Frío	302A
Bonanza	Girón	Santander	07° 05'	73° 17'	1.250	Guapuchera	303A
El Silencio	Rionegro	Santander	07° 24'	73° 13'	1.120	Cáchira del Sur	303A
Santa Rita	San Gil	Santander	06° 35'	73° 08'	1.600	Fonce	305A
Cuchicute	Curití	Santander	06° 34'	73° 04'	1.600	Cuchicute	305A
Chochos	Hato	Santander	06° 33'	73° 19'	1.400	Suárez	305A
La Laguna	Páramo	Santander	06° 30'	73° 09'	1.550	Fonce	305A

Estación	Municipio	Departamento	Latitud Norte	Longitud Oeste	Altitud m	Corriente	Ecotopo
Alberto Santos	Socorro	Santander	06° 30'	75° 13'	1.500	Honda	305A
Las Flores	Pinchote	Santander	06° 29'	73° 11'	1.700	Fonce	305A
La Plazuela	Socorro	Santander	06° 28'	73° 13'	1.700	La Honda	305A
El Mesón	Valle de San José	Santander	06° 25'	73° 09'	1.330	Fonce	305A
Casa de Teja	San Vicente de Chucurí	Santander	06° 55'	73° 27	960	Chucurí	306A
Aguasblancas	San Vicente de Chucurí	Santander	06° 50'	73° 29'	920	Chucurí	306A
La Lejía	Ocamonte	Santander	06° 21'	73° 06'	1.400	La Lejía	307A
El Nogal	Charalá	Santander	06° 20'	73° 04'	1.560	Riachuelo	307A
Sevilla	Guadalupe	Santander	06° 15'	73° 22'	1.390	Oibita	307A
Villanueva	Charalá	Santander	06° 14'	73° 10'	1.450	Pienta	307A
Cielo Roto	Suaita	Santander	06° 07'	73° 23'	1.540	Tolotá	307A
Buenavista	Barbosa	Santander	05° 56'	73° 39'	1.850	Suárez	308A
Bertha	Moniquirá	Boyacá	05° 53'	73° 34'	1.700	Moniquirá	308A
La Cumbre	Puente Nacional	Santander	05° 52'	73° 42'	1.650	Suárez	308A
San Pedro	Caparrapí	Cundinamarca	05° 30'	74° 28'	1.400	Azauncha	309A
Montelíbano	Yacopí	Cundinamarca	05° 28'	74° 22'	1.340	Chirche	309A
El Porvenir	Yacopí	Cundinamarca	05° 26'	74° 18'	1.400	La Mina	310A
Las Acacías	Paime	Cundinamarca	05°25'	74°12'	1.320	Guaquimay	310A
Secr. de Agricultura	La Palma	Cundinamarca	05° 22'	74° 24'	1.250	Murca	310A
Canaima	La Palma	Cundinamarca	05° 21'	74° 25'	1.550	La Chorrera	310A
El Paraíso	Caparrapí	Cundinamarca	05° 17'	74° 31'	1.450	Patá	310A
Santa Rosita	El Peñón	Cundinamarca	05° 17'	74° 17'	1.430	Negro	310A
La Florida	Vergara	Cundinamarca	05° 05'	74° 18'	1.400	Pinzaimá	311A
Icalí	Sasaima	Cundinamarca	04° 57'	74° 26'	1.380	Dulce	311A
Santa Bárbara	Sasaima	Cundinamarca	04° 57'	74° 25'	1.450	Dulce	311A
La Esperanza	Villeta	Cundinamarca	05°01'	74°31'	1.350	Villeta	312A
San Juan	San Juan de Rioseco	Cundinamarca	04° 51'	74° 37'	1.300	Seco	313A
Mesitas de Santa Inés	Cachipay	Cundinamarca	04° 43'	74° 28'	1.250	Bajamón	314A
El Refugio	La Mesa	Cundinamarca	04° 42'	74° 26'	1.250	Apulo	314A
Misiones	Mesitas del Colegio	Cundinamarca	04° 33'	74° 25'	1.540	Bogotá	314A
El Porvenir	Mesitas del Colegio	Cundinamarca	04° 32'	74° 28'	1.350	Bogotá	314A
Aguadulce	Nilo	Cundinamarca	04° 21'	74° 31'	1.400	Pagüey	314A
Pinar del Río	Silvania	Cundinamarca	04° 27'	74° 23'	1.750	Subia	315A
Granja Tibacuy	Tibacuy	Cundinamarca	04° 22'	74° 26'	1.550	Subia	315A
Expoabracol	Fusagasugá	Cundinamarca	04° 17'	74° 23'	1.500	Guavio	315A
San Luis	Arbeláez	Cundinamarca	04° 14'	74° 26'	1.700	La Lejía	315A
El Horizonte	Cunday	Tolima	04°04'	74°36'	1.265	Las Peñas	316A
Luis Bustamante	Villarrica	Tolima	03° 55'	74° 34'	1.610	Cuindé	316A
La Montaña	Dolores	Tolima	03° 33'	74° 54'	1.260	Magdalena	316A
El Alba	Baraya	Huila	03° 08'	74° 58'	1.480	Magdalena	317A
Guayabal	Algeciras	Huila	02° 33'	75° 15'	1.460	Neiva	317A
Jorge Villamil	Gigante	Huila	02° 20'	75° 31'	1.500	Magdalena	318A
La Primavera	Gigante	Huila	02° 17'	75° 31'	1.450	Loro	318A
Villa Consuelo	Garzón	Huila	02° 12'	75° 34'	1.450	Magdalena	318A
Concent. Desarrollo	Timaná	Huila	01° 58'	75° 56'	1.080	Timaná	318A

CORDILLERA ORIENTAL - VERTIENTE ORIENTAL

Gabriel María Barriga	Convención	N. de Santander	08° 25'	73° 20'	1.320	Catatumbo	301B
Francisco Romero	Salazar	N. de Santander	07° 45'	72° 47'	1.000	Salazar	302B
Blonay	Chinácota	N. de Santander	07° 34'	72° 37'	1.235	Pamplonita	303B
Maringá	Acacías	Meta	03° 58'	73° 36'	380	Acacías	308B
Santa Helena	San Carlos Guaroa	Meta	03° 50'	73° 20'	280	Acacías	308B

Estación	Municipio	Departamento	Latitud Norte	Longitud Oeste	Altitud m	Corriente	Ecotopo
		SIERRA NEVADA DE SANTA MARTA					
Jirocasaca	Santa Marta	Magdalena	11° 12'	74° 04'	745	Lindavista	401
La Victoria	Santa Marta	Magdalena	11° 07'	74° 06'	1.100	Gaira	401
Pueblo Bello	Valledupar	Cesar	10° 25'	73° 34'	1.000	Ariguaní	402

ESTACION SISMOLOGICA.

En el XV Congreso Nacional de Cafeteros, celebrado el 30 de noviembre de 1945 se autorizó la compra e instalación de una estación sismológica en los predios del Centro Nacional de Investigaciones de Café -CENICAFE, situado en el municipio de Chinchiná, Caldas con coordenadas geográficas 05° 00' de latitud norte, 75° 36' de longitud oeste y una altitud de 1.310 metros sobre el nivel del mar. Su funcionamiento en convenio con el Instituto Geofísico de Los Andes Colombianos - Universidad Javeriana, se inició el 22 de julio de 1950 y de allí en adelante se registra la actividad sísmica en forma continua hasta la fecha, con excepción del periodo 1989-1994 cuando se suspendió para instalar un nuevo instrumental. Esta estación se halla adscrita a la red sísmica mundial y consta de un sismómetro de componente vertical Sprengnether y un registrador diario Times Instrument Co. La evaluación de los sismos la adelanta el Instituto Geofísico de Los Andes Colombianos - Universidad Javeriana.

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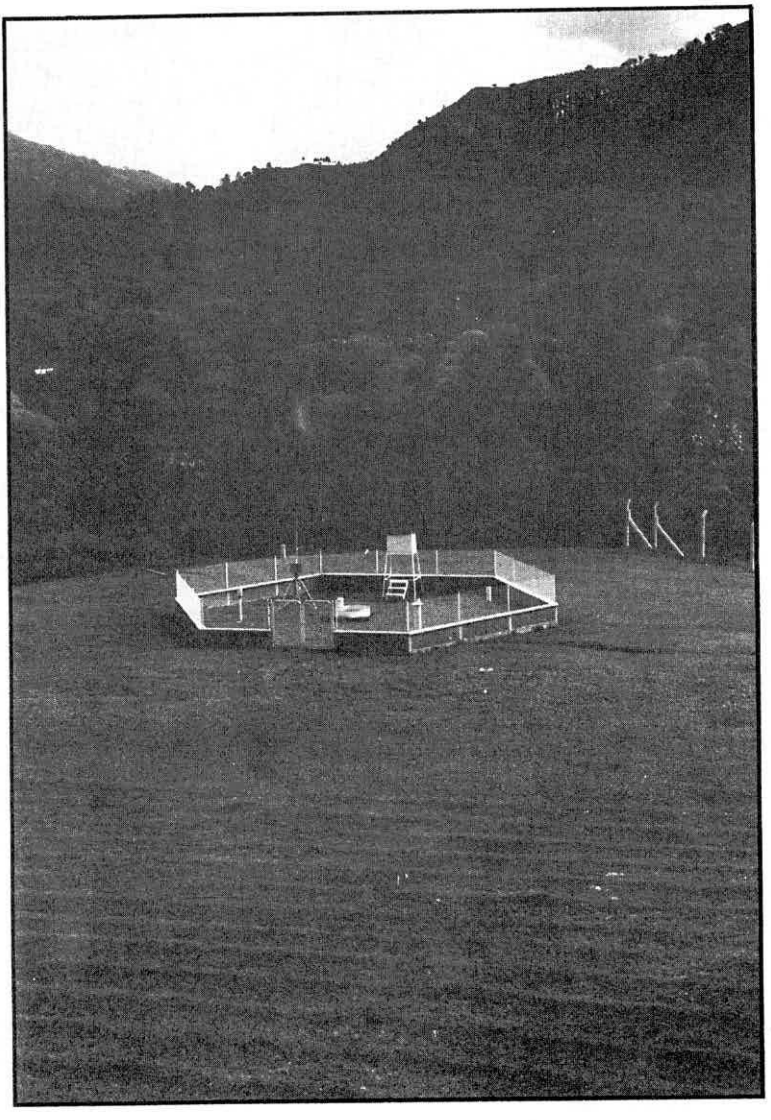
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ESTACIONES PRINCIPALES

Estación : COCORNA
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : COCORNA

Latitud : 6 ° 4 'N
Longitud : 75 ° 12 'W
Altitud : 1230 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.2	25.6	22.2	82.0	1.2	23.2	24.4	7.3
2	16.6	24.8	20.4	85.3	3.9	1.4	5.3	4.9
3	17.4	24.9	20.4	86.7	5.2	0.0	5.2	3.2
4	17.6	24.6	20.8	85.3	0.0	0.0	0.0	5.3
5	16.8	23.6	19.8	84.7	.2	.2	.4	.5
6	17.4	25.7	21.2	81.7	0.0	.7	.7	6.2
7	15.6	25.2	21.0	78.0	0.0	6.4	6.4	9.0
8	17.6	24.6	20.6	81.3	0.0	15.4	15.4	2.4
9	17.8	23.6	20.0	87.3	.1	16.6	16.7	.9
10	17.6	21.8	18.6	91.0	8.5	.2	8.7	.2
11	16.2	25.2	19.6	83.7	42.6	2.0	44.6	5.2
12	16.8	22.8	19.2	88.0	.7	35.5	36.2	1.9
13	17.0	24.0	19.9	82.3	33.6	15.3	48.9	6.1
14	17.0	22.6	19.0	87.7	1.8	13.3	15.1	2.8
15	15.2	23.0	18.5	74.0	0.0	3.5	3.5	3.0
16	14.4	23.8	19.0	79.0	0.0	2.6	2.6	6.2
17	16.2	24.8	19.2	78.7	0.0	24.8	24.8	8.2
18	15.9	24.0	20.0	80.0	0.0	12.3	12.3	6.0
19	16.8	25.8	20.6	80.0	0.0	7.4	7.4	4.5
20	16.8	24.8	20.4	82.3	0.0	12.1	12.1	5.6
21	17.6	25.0	21.0	83.7	.1	37.2	37.3	6.8
22	17.0	25.9	21.0	83.7	0.0	20.7	20.7	6.2
23	16.6	25.4	20.9	79.3	0.0	7.8	7.8	6.7
24	17.1	24.4	20.3	82.7	3.9	50.4	54.3	1.6
25	16.6	23.6	19.9	92.0	.2	8.0	8.2	3.3
26	17.0	25.4	21.0	84.7	.2	10.0	10.2	3.7
27	18.2	25.0	20.6	85.3	2.5	.6	3.1	4.6
28	17.2	25.1	20.5	85.0	19.4	42.3	61.7	8.7
29	17.6	25.4	20.4	83.7	0.0	12.0	12.0	7.2
30	18.0	26.5	21.8	80.0	0.0	10.8	10.8	7.4
31	16.8	25.6	21.4	84.0	0.0	0.0	0.0	7.1
Total :					124.1	392.7	516.8	152.7
Promedio :	16.9	24.6	20.3	83.3				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.6	24.4	20.4	88.0	16.0	22.3	38.3	1.9
2	17.5	25.0	20.4	86.7	.5	0.0	.5	3.4
3	18.0	23.6	20.2	87.0	1.5	7.1	8.6	2.6
4	17.6	24.4	20.5	86.0	0.0	.3	.3	1.4
5	17.4	22.8	19.8	85.7	.1	9.3	9.4	0.0
6	17.0	22.4	19.9	85.0	.3	27.0	27.3	.7
7	17.7	23.6	20.2	83.0	0.0	18.5	18.5	.9
8	17.6	26.0	21.2	84.0	0.0	9.3	9.3	7.1
9	18.2	26.1	22.2	79.3	7.9	33.2	41.1	6.8
10	16.8	20.5	19.0	89.7	10.0	.3	10.3	.1
11	16.8	25.6	20.8	81.7	0.0	50.3	50.3	5.3
12	15.8	23.4	20.6	77.7	.1	14.4	14.5	.3
13	16.4	24.4	19.8	87.0	0.0	12.2	12.2	.4
14	16.8	25.2	19.7	82.3	.2	54.2	54.4	4.1
15	16.6	23.6	20.0	83.0	0.0	43.2	43.2	2.8
16	16.8	23.9	19.0	92.0	8.8	.2	9.0	1.6
17	16.8	22.6	19.5	84.7	2.2	2.7	4.9	1.2
18	17.4	21.8	19.2	88.3	9.5	6.9	16.4	.2
19	16.9	24.6	20.4	85.0	0.0	8.9	8.9	4.5
20	17.1	22.4	18.6	91.3	23.2	0.0	23.2	.1
21	16.8	24.4	19.8	86.0	.3	21.8	22.1	3.0
22	16.6	24.6	20.0	84.7	0.0	0.0	0.0	3.4
23	17.0	23.8	19.3	87.7	3.2	0.0	3.2	1.8
24	16.8	24.8	19.9	85.3	2.1	41.2	43.3	3.4
25	16.6	25.0	20.2	85.3	0.0	20.4	20.4	4.9
26	18.0	25.5	19.7	89.3	6.5	4.0	10.5	2.9
27	17.6	24.0	20.2	87.3	1.5	12.4	13.9	1.4
28	15.8	24.2	19.7	87.3	18.8	30.3	49.1	2.3
29								
30								
31								
Total :					112.7	450.4	563.1	68.5
Promedio :	17.1	24.0	20.0	85.7				

Estación : COCORNA
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : COCORNA

Latitud : 6 ° 4 'N
Longitud : 75 ° 12 'W
Altitud : 1230 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	21.0	18.5	97.0	17.2	46.9	64.1	.1
2	16.6	20.0	17.9	93.0	3.7	1.4	5.1	0.0
3	16.8	24.6	20.4	80.3	2.0	8.9	10.9	5.4
4	17.2	25.0	20.6	81.3	0.0	10.5	10.5	7.2
5	16.8	26.9	21.3	81.7	1.2	6.4	7.6	8.9
6	17.4	27.2	21.8	81.7	0.0	0.0	0.0	8.1
7	16.8	25.9	21.4	81.3	0.0	0.0	0.0	6.1
8	16.5	24.6	20.8	73.7	0.0	1.6	1.6	4.3
9	16.8	25.0	20.5	81.3	0.0	3.9	3.9	3.0
10	17.0	24.2	20.1	85.3	0.0	27.0	27.0	1.2
11	16.5	24.0	19.6	81.7	1.1	20.3	21.4	1.9
12	17.6	26.0	21.6	81.7	0.0	0.0	0.0	4.4
13	16.8	27.0	21.8	80.3	0.0	1.9	1.9	5.6
14	17.0	27.0	22.1	76.0	0.0	13.2	13.2	8.9
15	16.9	26.2	21.0	81.0	0.0	18.1	18.1	7.1
16	16.4	25.6	20.8	80.3	0.0	14.6	14.6	8.4
17	17.3	25.8	21.2	84.3	1.0	.8	1.8	5.6
18	17.0	24.0	20.0	89.0	.7	1.1	1.8	1.9
19	17.6	23.8	20.0	88.3	0.0	0.0	0.0	2.4
20	17.8	24.0	20.8	85.3	0.0	0.0	0.0	1.8
21	17.6	25.0	21.0	80.0	2.0	.5	2.5	4.9
22	16.6	23.8	20.0	85.7	3.6	10.3	13.9	1.6
23	17.8	24.8	20.8	82.3	0.0	24.5	24.5	3.8
24	17.9	25.8	21.6	82.0	.8	11.8	12.6	5.3
25	18.8	25.6	21.6	85.7	0.0	9.1	9.1	1.2
26	18.6	26.6	23.0	78.0	0.0	0.0	0.0	7.0
27	19.0	25.0	21.4	86.0	0.0	46.7	46.7	1.7
28	16.4	26.2	19.6	83.7	7.6	4.7	12.3	4.5
29	17.4	24.8	20.0	87.7	0.0	0.0	0.0	3.4
30	17.0	26.2	21.8	82.0	0.0	2.0	2.0	6.9
31	17.2	25.9	21.2	88.7	0.0	49.9	49.9	5.8
Total :					40.9	336.1	377.0	138.4
Promedio :	17.2	25.1	20.8	83.4				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.9	24.8	21.2	84.3	0.0	36.9	36.9	.1
2	17.9	24.6	20.4	87.7	3.7	1.1	4.8	3.0
3	18.0	24.8	20.8	87.0	.6	0.0	.6	1.2
4	16.1	23.8	18.9	86.3	32.0	0.0	32.0	1.0
5	14.8	25.6	21.2	76.7	0.0	6.1	6.1	8.6
6	16.9	26.8	21.6	80.0	0.0	13.2	13.2	9.2
7	17.8	24.5	19.8	90.7	25.5	9.3	34.8	3.4
8	17.4	22.2	19.2	93.3	16.4	2.4	18.8	0.0
9	17.2	23.0	18.9	92.3	2.2	5.0	7.2	.7
10	17.0	25.0	20.6	84.3	1.6	4.6	6.2	1.6
11	15.8	26.2	21.3	81.3	.8	4.7	5.5	6.6
12	17.6	26.2	22.0	81.0	0.0	69.6	69.6	7.6
13	16.9	25.8	21.2	80.7	0.0	10.0	10.0	5.4
14	17.0	26.0	21.5	83.3	0.0	19.1	19.1	6.2
15	16.8	26.4	21.3	81.0	0.0	0.0	0.0	6.9
16	17.8	28.0	22.9	74.7	0.0	0.0	0.0	9.5
17	17.0	28.8	22.4	69.0	0.0	0.0	0.0	10.3
18	16.8	28.2	22.0	75.7	2.7	0.0	2.7	6.8
19	17.0	28.5	22.8	68.3	0.0	1.0	1.0	8.3
20	17.8	27.6	21.9	79.0	0.0	0.0	0.0	7.7
21	16.4	28.8	23.0	73.0	0.0	0.0	0.0	9.3
22	18.0	28.0	23.4	74.0	0.0	6.9	6.9	8.9
23	18.2	26.9	22.2	84.7	0.0	24.5	24.5	.5
24	16.4	26.2	20.0	83.3	9.6	52.9	62.5	4.8
25	16.0	23.6	20.0	89.0	.4	14.2	14.6	1.3
26	16.9	25.0	20.4	86.7	1.1	76.6	77.7	2.3
27	16.8	21.8	17.6	94.7	8.2	0.0	8.2	.5
28	16.2	25.4	20.6	80.7	3.4	7.8	11.2	6.4
29	16.2	26.6	21.6	78.0	0.0	32.8	32.8	7.5
30	16.8	24.8	20.2	84.0	0.0	3.5	3.5	1.5
31								
Total :					108.2	402.2	510.4	147.1
Promedio :	17.0	25.8	21.0	82.2				

Estación : COCORNA
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : COCORNA

Latitud : 6 ° 4 'N
Longitud : 75 ° 12 'W
Altitud : 1230 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.8	25.9	21.2	83.3	0.0	35.3	35.3	8.4
2	16.6	24.6	20.1	81.7	5.4	7.1	12.5	3.3
3	16.9	26.0	21.3	81.7	0.0	6.1	6.1	6.4
4	17.8	24.2	19.7	85.0	3.4	0.0	3.4	1.1
5	16.8	27.0	19.6	81.3	20.4	.5	20.9	7.3
6	16.0	25.0	20.2	86.3	1.6	14.7	16.3	5.8
7	16.0	24.8	20.5	82.7	.6	12.7	13.3	6.8
8	16.0	25.4	20.4	82.3	0.0	6.8	6.8	6.9
9	17.2	25.2	19.4	84.0	25.0	21.8	46.8	3.7
10	16.6	24.0	20.0	83.0	.8	1.5	2.3	2.1
11	16.0	25.0	19.2	81.7	32.9	20.5	53.4	3.2
12	15.8	25.8	20.0	81.0	2.2	6.7	8.9	8.3
13	16.3	24.8	20.4	82.0	2.2	6.5	8.7	5.7
14	16.6	26.0	21.5	78.0	0.0	0.0	0.0	7.4
15	17.8	26.6	22.5	78.0	0.0	1.7	1.7	9.7
16	18.5	25.8	21.5	81.7	0.0	0.0	0.0	8.0
17	16.6	26.4	21.8	74.3	0.0	0.0	0.0	9.0
18	17.7	26.4	21.7	76.3	0.0	5.4	5.4	6.2
19	17.8	27.8	21.6	81.7	3.4	0.0	3.4	4.8
20	18.6	26.8	22.3	79.7	0.0	0.0	0.0	7.5
21	18.5	25.6	21.6	79.7	0.0	2.8	2.8	6.8
22	18.9	25.6	21.6	82.0	0.0	42.6	42.6	5.3
23	17.8	27.6	22.6	75.3	0.0	0.0	0.0	9.3
24	19.3	28.2	23.2	75.7	0.0	0.0	0.0	9.7
25	18.9	27.4	22.5	80.0	.2	0.0	.2	7.5
26	17.2	26.4	21.3	77.7	0.0	0.0	0.0	7.3
27	17.8	27.1	22.5	77.0	0.0	10.7	10.7	7.8
28	17.4	26.8	22.5	82.0	0.0	.2	.2	9.1
29	18.7	26.3	22.2	78.0	0.0	3.9	3.9	4.8
30	17.6	26.4	21.8	80.7	0.0	49.9	49.9	6.4
31	16.9	27.2	22.2	78.7	0.0	23.5	23.5	6.6
Total :					98.1	280.9	379.0	202.2
Promedio :	17.3	26.1	21.3	80.4				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.7	26.4	22.3	78.3	0.0	49.6	49.6	7.4
2	17.0	26.7	21.4	85.0	0.0	0.0	0.0	5.8
3	17.2	28.0	22.5	77.0	0.0	8.7	8.7	9.8
4	18.0	23.9	20.0	88.7	.8	8.0	8.8	1.9
5	17.2	25.1	20.5	83.7	0.0	.3	.3	4.7
6	17.7	24.3	20.1	91.0	1.1	34.1	35.2	6.7
7	17.0	25.8	20.2	90.0	2.1	3.8	5.9	5.2
8	17.2	23.0	19.7	90.3	3.1	9.4	12.5	0.0
9	17.0	24.8	19.5	84.0	38.5	10.2	48.7	5.0
10	16.0	26.4	22.0	78.3	0.0	20.2	20.2	9.0
11	16.8	26.4	21.4	83.3	0.0	15.8	15.8	5.6
12	17.2	23.0	19.8	92.3	0.0	0.0	0.0	.1
13	16.8	25.2	21.0	80.3	7.0	1.5	8.5	5.7
14	17.0	22.7	19.4	90.0	5.3	16.1	21.4	2.0
15	17.4	23.2	18.8	93.3	3.5	0.0	3.5	.9
16	16.0	22.8	18.8	90.3	3.5	10.7	14.2	.3
17	17.0	25.8	21.3	80.0	0.0	19.5	19.5	6.8
18	16.0	22.4	19.1	90.7	0.0	.7	.7	.5
19	16.3	24.8	20.6	83.0	0.0	26.0	26.0	4.2
20	17.4	26.8	22.1	82.0	0.0	47.9	47.9	8.7
21	16.6	25.2	20.5	82.7	1.0	0.0	1.0	5.6
22	16.2	26.2	21.0	81.7	0.0	2.2	2.2	6.9
23	16.8	25.0	20.6	83.7	.2	0.0	.2	3.0
24	17.2	24.4	20.4	85.3	0.0	0.0	0.0	2.3
25	17.0	26.6	21.3	77.7	0.0	3.7	3.7	5.5
26	17.6	26.8	20.4	81.0	3.0	28.0	31.0	5.5
27	16.6	24.6	19.9	87.0	1.7	55.3	57.0	1.8
28	16.8	23.9	19.2	89.3	1.6	2.4	4.0	2.3
29	17.0	26.2	21.2	80.7	0.0	5.2	5.2	7.3
30	16.2	27.1	21.8	79.0	0.0	22.8	22.8	9.3
31								
Total :					72.4	402.1	474.5	139.8
Promedio :	16.9	25.1	20.6	84.7				

Estación : COCORNA
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : COCORNA

Latitud : 6 ° 4 'N
Longitud : 75 ° 12 'W
Altitud : 1230 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.5	24.0	20.2	82.3	0.0	6.1	6.1	7.2
2	16.0	25.7	20.6	80.3	.2	53.6	53.8	7.6
3	15.8	25.0	20.6	85.0	.3	3.6	3.9	4.5
4	16.0	25.2	20.9	80.3	.3	0.0	.3	8.0
5	16.9	27.0	20.6	77.0	0.0	9.4	9.4	6.5
6	15.8	26.4	21.7	77.3	0.0	9.1	9.1	7.2
7	16.8	23.0	19.1	88.0	0.0	9.3	9.3	1.1
8	16.6	25.2	20.9	81.3	0.0	0.0	0.0	4.9
9	17.4	26.2	21.5	73.3	0.0	0.0	0.0	9.8
10	16.6	26.0	20.4	80.0	0.0	0.0	0.0	8.8
11	16.4	26.2	21.8	77.0	0.0	.7	.7	9.3
12	16.8	26.5	21.4	78.7	0.0	5.4	5.4	5.9
13	17.8	26.8	21.6	79.3	0.0	0.0	0.0	7.1
14	16.5	28.9	22.8	67.3	0.0	1.7	1.7	10.2
15	17.5	29.0	21.9	73.0	0.0	44.7	44.7	9.6
16	16.6	26.0	21.2	81.3	0.0	12.7	12.7	8.7
17	16.3	27.8	22.2	74.7	0.0	28.8	28.8	8.3
18	17.0	26.6	21.8	81.0	0.0	7.8	7.8	9.0
19	18.8	27.4	22.5	79.3	4.0	32.9	36.9	9.0
20	17.2	26.1	21.0	82.3	0.0	13.8	13.8	8.1
21	18.6	26.7	21.4	81.3	0.0	0.0	0.0	8.4
22	17.8	27.9	22.8	72.7	0.0	3.0	3.0	7.5
23	17.6	24.8	20.5	79.3	0.0	1.4	1.4	3.9
24	16.8	25.8	20.6	81.7	.8	3.6	4.4	6.7
25	17.2	26.6	21.6	78.0	0.0	0.0	0.0	7.7
26	17.3	27.4	22.2	77.0	0.0	0.0	0.0	9.8
27	17.9	27.2	22.0	78.0	0.0	0.0	0.0	6.8
28	18.0	28.2	23.1	70.3	0.0	18.7	18.7	7.6
29	17.1	23.8	20.0	86.0	2.2	0.0	2.2	.5
30	16.5	27.2	22.0	76.3	0.0	1.6	1.6	8.5
31	16.8	25.8	21.8	74.0	0.0	0.0	0.0	7.3
Total :					7.8	267.9	275.7	225.5
Promedio :	17.0	26.3	21.4	78.5				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.6	26.6	21.8	78.0	0.0	0.0	0.0	8.6
2	17.4	26.0	21.6	66.3	0.0	0.0	0.0	8.1
3	17.0	25.6	21.5	73.7	0.0	8.2	8.2	4.2
4	16.8	26.0	20.9	74.7	0.0	0.0	0.0	6.7
5	17.8	25.8	21.8	79.0	0.0	29.1	29.1	5.9
6	17.0	26.4	20.7	81.0	6.2	28.7	34.9	5.7
7	16.6	25.4	20.5	77.3	0.0	2.7	2.7	4.6
8	17.9	26.5	21.7	78.0	0.0	2.3	2.3	6.4
9	17.4	25.4	21.4	78.3	0.0	0.0	0.0	5.7
10	18.0	26.4	21.0	78.3	0.0	2.3	2.3	8.3
11	17.9	27.6	22.2	73.0	0.0	16.8	16.8	8.9
12	17.8	25.6	21.3	81.7	0.0	1.9	1.9	6.4
13	16.6	26.2	20.8	79.7	0.0	17.9	17.9	5.6
14	16.2	26.4	21.0	79.7	0.0	23.2	23.2	9.4
15	15.8	24.6	20.2	80.0	0.0	0.0	0.0	5.8
16	15.6	26.4	21.8	74.3	0.0	31.7	31.7	9.6
17	16.4	26.6	21.6	70.3	0.0	17.8	17.8	9.2
18	16.6	26.9	21.3	83.3	.4	1.5	1.9	5.9
19	17.0	25.6	20.6	83.3	0.0	3.6	3.6	3.3
20	17.8	25.4	20.8	85.7	0.0	20.1	20.1	6.1
21	16.4	24.2	19.6	85.0	6.7	5.0	11.7	2.7
22	16.2	22.6	18.6	87.7	.6	0.0	.6	.4
23	15.6	25.9	19.3	83.3	19.4	1.4	20.8	5.5
24	16.8	25.0	19.3	85.7	0.0	0.0	0.0	3.5
25	17.0	23.6	19.3	83.3	.8	.5	1.3	2.2
26	16.4	25.2	19.0	85.0	7.2	21.0	28.2	2.5
27	16.8	25.4	20.8	83.3	0.0	3.8	3.8	6.3
28	16.4	24.5	20.0	84.0	13.0	.2	13.2	1.5
29	18.0	26.4	21.8	82.7	0.0	32.2	32.2	6.2
30	15.4	27.6	20.5	73.7	0.0	0.0	0.0	5.7
31	16.6	27.4	21.7	74.0	0.0	0.0	0.0	7.1
Total :					54.3	271.9	326.2	178.0
Promedio :	16.9	25.8	20.8	79.5				

Estación : COCORNA
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : COCORNA

Latitud : 6 ° 4 'N
Longitud : 75 ° 12 'W
Altitud : 1230 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.9	23.6	20.0	91.7	3.7	19.5	23.2	1.8
2	16.8	24.4	20.0	87.0	0.0	37.8	37.8	2.1
3	16.0	24.8	20.1	82.7	1.0	22.4	23.4	4.6
4	17.8	26.2	21.4	81.3	0.0	50.0	50.0	7.2
5	15.8	25.8	20.4	82.7	0.0	0.0	0.0	2.8
6	15.2	27.2	22.1	77.7	0.0	33.7	33.7	9.7
7	15.8	26.4	22.0	83.0	.6	25.4	26.0	5.8
8	16.8	25.4	20.2	77.7	0.0	59.5	59.5	4.8
9	15.6	25.8	19.9	81.3	0.0	.2	.2	4.2
10	17.0	24.2	19.4	86.3	25.6	.9	26.5	.5
11	16.8	24.8	21.0	82.0	0.0	54.7	54.7	6.7
12	16.9	24.9	19.4	86.0	13.2	.2	13.4	4.3
13	16.6	24.2	18.8	84.0	20.2	31.6	51.8	2.5
14	15.4	21.6	19.0	88.0	0.0	0.0	0.0	.1
15	16.6	25.2	20.2	83.7	.1	5.7	5.8	4.0
16	16.2	26.8	21.4	82.7	0.0	27.6	27.6	6.6
17	16.0	24.6	20.2	81.7	1.2	0.0	1.2	4.0
18	16.2	26.0	21.6	79.3	0.0	2.8	2.8	9.3
19	17.4	24.8	20.4	82.7	0.0	1.4	1.4	5.6
20	16.9	25.2	19.8	86.7	0.0	1.7	1.7	4.8
21	15.6	25.4	20.8	78.7	0.0	41.2	41.2	4.7
22	16.2	23.4	19.5	89.0	.4	11.8	12.2	0.0
23	16.4	25.8	20.1	79.7	.4	0.0	.4	4.7
24	16.2	26.4	21.0	84.0	0.0	18.5	18.5	7.2
25	16.8	24.4	19.5	87.0	30.0	3.8	33.8	5.2
26	17.0	23.4	19.8	87.3	4.1	4.0	8.1	1.0
27	17.2	24.4	19.8	87.0	1.5	3.1	4.6	2.6
28	16.6	22.0	18.3	87.3	57.6	11.9	69.5	.2
29	16.0	24.6	20.3	85.3	2.5	1.8	4.3	4.0
30	17.2	23.8	19.4	86.0	0.0	12.6	12.6	1.5
31								
Total :					162.1	483.8	645.9	122.5
Promedio :	16.5	24.8	20.2	84.0				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.3	23.6	18.4	91.3	12.9	4.1	17.0	3.1
2	16.3	24.2	18.2	87.3	0.0	0.0	0.0	2.4
3	16.0	25.8	21.2	80.3	.3	1.1	1.4	6.5
4	17.2	26.4	20.8	81.3	0.0	.2	.2	7.8
5	17.4	25.6	21.2	83.3	21.0	13.8	34.8	5.4
6	15.8	22.4	18.6	84.0	15.5	6.2	21.7	.1
7	15.6	25.4	20.1	80.0	10.0	37.2	47.2	5.6
8	16.4	25.6	21.0	81.3	.6	.3	.9	6.8
9	17.4	26.2	21.4	83.7	1.8	27.5	29.3	7.0
10	16.6	25.6	20.6	84.3	0.0	28.5	28.5	5.2
11	16.8	24.8	20.6	86.0	0.0	.1	.1	8.4
12	16.8	25.6	21.0	81.3	0.0	4.0	4.0	5.9
13	17.0	26.4	21.6	77.7	0.0	.3	.3	7.7
14	17.8	25.8	21.5	84.0	0.0	10.3	10.3	2.6
15	17.2	25.6	20.8	83.3	0.0	78.5	78.5	4.3
16	15.8	21.8	18.5	90.3	1.0	0.0	1.0	.3
17	17.0	24.9	19.5	81.3	0.0	0.0	0.0	4.8
18	16.8	25.6	19.7	79.0	13.2	2.6	15.8	7.8
19	16.9	25.8	21.0	84.0	0.0	6.2	6.2	7.9
20	17.8	24.8	21.0	84.3	0.0	48.2	48.2	5.7
21	16.7	25.6	20.5	85.3	.3	6.6	6.9	4.7
22	17.0	24.4	19.6	86.0	18.8	72.0	90.8	1.8
23	16.4	24.6	19.6	85.3	1.5	12.3	13.8	2.2
24	17.0	22.8	19.6	90.0	10.0	0.0	10.0	1.2
25	17.0	25.2	20.5	87.0	.4	8.2	8.6	6.1
26	17.8	24.8	20.4	86.0	1.3	0.0	1.3	3.4
27	16.4	25.4	20.6	82.0	8.0	0.0	8.0	6.9
28	17.4	24.0	19.9	87.7	9.2	6.1	15.3	2.6
29	17.0	25.4	21.2	85.3	.3	6.6	6.9	5.9
30	17.8	24.8	19.8	87.7	3.1	0.0	3.1	2.9
31	17.2	25.8	20.8	80.7	0.0	0.0	0.0	6.5
Total :					129.2	380.9	510.1	149.5
Promedio :	16.9	25.0	20.3	84.2				

Estación : COCORNA
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : COCORNA

Latitud : 6 ° 4 'N
Longitud : 75 ° 12 'W
Altitud : 1230 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.9	25.8	20.4	84.0	13.3	.5	13.8	6.9
2	18.0	25.0	20.0	85.0	.5	.1	.6	2.9
3	16.6	25.4	20.4	84.3	1.8	6.5	8.3	4.6
4	16.8	25.6	21.2	86.3	0.0	2.0	2.0	6.2
5	17.0	26.4	21.7	78.7	0.0	0.0	0.0	6.6
6	17.8	25.4	20.8	84.3	0.0	1.2	1.2	3.2
7	16.8	25.2	21.2	84.0	0.0	12.7	12.7	4.7
8	16.6	24.4	19.8	85.7	17.9	47.0	64.9	.6
9	17.8	25.0	21.2	84.7	11.8	24.6	36.4	6.0
10	18.2	26.0	21.9	85.7	0.0	6.2	6.2	8.6
11	17.3	25.8	20.4	86.0	0.0	0.0	0.0	4.0
12	16.8	25.4	19.9	82.7	8.2	1.3	9.5	3.8
13	17.2	24.6	20.6	87.3	.1	13.4	13.5	1.7
14	16.4	25.4	21.1	81.3	0.0	2.8	2.8	7.6
15	17.8	23.2	19.6	83.0	.8	0.0	.8	.2
16	16.0	24.6	19.8	79.0	37.8	14.8	52.6	3.7
17	14.8	23.6	19.2	86.0	17.2	5.1	22.3	4.8
18	17.0	22.6	18.8	93.7	34.5	66.1	100.6	.9
19	16.4	22.0	18.3	93.0	1.8	45.2	47.0	1.0
20	16.8	19.6	18.0	91.7	4.6	7.4	12.0	0.0
21	16.2	19.0	17.3	94.7	6.8	4.0	10.8	.1
22	16.4	21.4	18.4	88.7	0.0	7.9	7.9	.2
23	17.0	24.2	18.9	85.0	34.5	22.0	56.5	3.9
24	16.0	23.8	19.2	90.0	1.9	4.8	6.7	5.3
25	16.2	22.4	18.1	91.0	5.1	1.0	6.1	.6
26	16.0	23.2	18.8	90.0	2.1	0.0	2.1	4.9
27	15.0	23.6	19.2	83.3	12.7	4.9	17.6	3.3
28	16.8	24.8	20.5	84.3	0.0	13.7	13.7	8.3
29	18.2	25.2	20.9	82.7	0.0	13.6	13.6	6.5
30	17.0	25.0	20.8	86.7	0.0	11.8	11.8	7.8
31								
Total :					213.4	340.6	554.0	118.9
Promedio :	16.8	24.1	19.9	86.1				

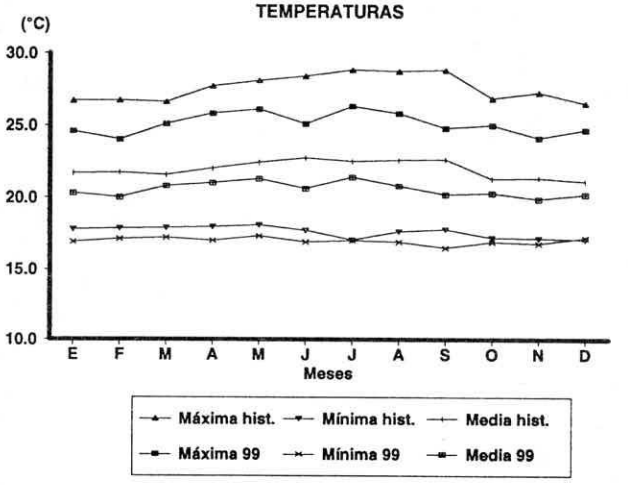
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	22.8	19.4	86.7	8.1	5.4	13.5	1.1
2	17.2	23.4	19.3	90.7	7.3	51.3	58.6	2.3
3	16.8	25.2	20.7	85.0	0.0	16.6	16.6	8.3
4	18.0	25.4	20.7	87.0	3.5	51.9	55.4	6.5
5	17.2	25.0	20.9	85.3	0.0	43.6	43.6	7.6
6	17.2	23.8	19.3	92.0	8.1	5.6	13.7	2.3
7	17.0	25.0	20.2	83.7	13.0	2.2	15.2	4.9
8	17.4	25.0	20.8	87.3	.6	6.8	7.4	4.9
9	18.2	25.6	21.4	84.7	.5	13.5	14.0	6.7
10	18.0	24.8	20.1	86.3	0.0	0.0	0.0	2.5
11	18.4	25.0	20.5	88.7	8.0	41.6	49.6	3.2
12	17.6	25.9	20.7	85.0	5.6	4.1	9.7	6.2
13	17.5	25.2	20.6	85.0	7.7	17.1	24.8	4.1
14	17.4	25.8	20.4	82.3	1.4	36.3	37.7	6.4
15	17.6	26.0	21.0	84.3	4.4	30.6	35.0	7.1
16	17.2	25.4	20.7	84.0	.3	61.8	62.1	7.5
17	17.4	25.0	19.6	86.7	15.6	13.4	29.0	6.4
18	17.0	24.8	20.8	87.3	1.6	56.8	58.4	5.8
19	16.8	26.0	20.8	84.7	.6	27.7	28.3	7.8
20	17.8	24.4	20.7	85.7	0.0	0.0	0.0	3.7
21	17.6	25.6	21.5	85.7	0.0	0.0	0.0	4.1
22	18.0	24.2	20.0	88.0	0.0	0.0	0.0	1.2
23	16.2	24.6	20.1	83.0	0.0	6.2	6.2	7.4
24	17.0	24.5	19.1	86.7	17.3	39.5	56.8	2.4
25	16.0	24.0	19.4	85.3	0.0	0.0	0.0	3.2
26	16.8	23.4	19.0	85.3	.9	7.5	8.4	1.6
27	17.0	21.4	18.4	87.0	.8	.1	.9	.4
28	15.6	23.8	19.5	82.3	0.0	18.1	18.1	6.8
29	16.8	24.0	20.2	81.0	0.0	3.3	3.3	6.5
30	17.5	25.0	19.4	83.3	15.5	4.4	19.9	6.2
31	16.2	25.1	20.5	81.7	0.0	0.0	0.0	5.9
Total :					120.8	565.4	686.2	151.0
Promedio :	17.2	24.7	20.2	85.5				

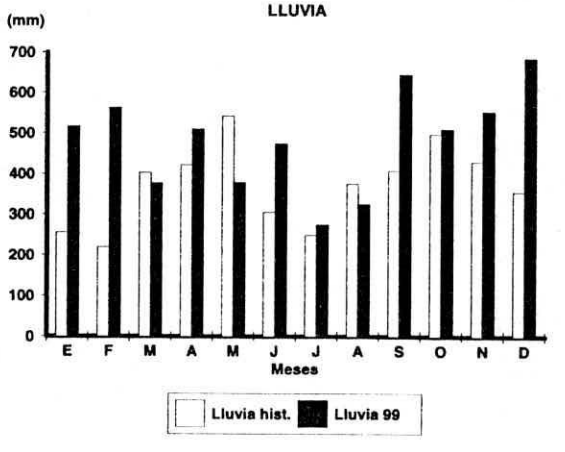
Estación : COCORNA
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : COCORNA

Latitud : 6 ° 4 'N
Longitud : 75 ° 12 'W
Altitud : 1230 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dia Lluvi	Brillo Sol. (h
Enero	16.9	24.6	20.3	26.5	14.4	83.3	516.8	29	152.7
Febrero	17.1	24.0	20.0	26.1	15.8	85.7	563.1	27	68.5
Marzo	17.2	25.1	20.8	27.2	16.4	83.4	377.0	24	138.4
Abril	17.0	25.8	21.0	28.8	14.8	82.2	510.4	25	147.1
Mayo	17.3	26.1	21.3	28.2	15.8	80.4	379.0	24	202.2
Junio	16.9	25.1	20.6	28.0	16.0	84.7	474.5	27	139.8
Julio	17.0	26.3	21.4	29.0	15.8	78.5	275.7	22	225.5
Agosto	16.9	25.8	20.8	27.6	15.4	79.5	326.2	23	178.0
Septiembre	16.5	24.8	20.2	27.2	15.2	84.0	645.9	28	122.5
Octubre	16.9	25.0	20.3	26.4	15.6	84.2	510.1	28	149.5
Noviembre	16.8	24.1	19.9	26.4	14.8	86.1	554.0	28	118.9
Diciembre	17.2	24.7	20.2	26.0	15.6	85.5	686.2	25	151.0
Promedio :	17.0	25.1	20.6			83.1			
Absoluta :				29.0	14.4				
Total :							5818.9	310	1794.1





Estación : EL ROSARIO
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : VENECIA

Latitud : 5 ° 58 'N
Longitud : 75 ° 43 'W
Altitud : 1600 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.1	25.6	20.6	76.7	0.0	23.1	23.1	5.3
2	16.0	23.2	19.2	81.3	4.2	10.5	14.7	3.2
3	17.0	24.4	19.8	80.7	13.8	0.0	13.8	3.2
4	16.3	25.4	20.4	79.0	2.2	60.5	62.7	6.1
5	15.4	22.4	18.7	83.0	2.2	5.5	7.7	1.7
6	15.3	24.8	20.4	71.3	0.0	0.0	0.0	8.2
7	15.4	26.4	19.1	76.3	5.1	1.5	6.6	10.1
8	16.3	23.2	18.5	79.0	8.0	3.2	11.2	.8
9	16.0	21.4	18.4	90.7	.7	5.0	5.7	.2
10	15.9	22.2	17.5	84.7	30.1	0.0	30.1	.8
11	14.4	22.8	18.8	71.0	0.0	0.0	0.0	2.1
12	16.0	23.2	19.1	80.3	0.0	2.9	2.9	2.3
13	15.8	25.0	20.3	63.7	0.0	0.0	0.0	8.6
14	15.9	24.4	19.5	70.7	0.0	2.8	2.8	6.9
15	15.2	24.6	19.3	64.7	0.0	0.0	0.0	6.2
16	15.2	19.2	17.2	81.7	2.7	0.0	2.7	0.0
17	15.8	25.4	19.2	69.7	0.0	0.0	0.0	9.4
18	16.3	25.2	20.5	66.3	0.0	0.0	0.0	8.3
19	16.2	24.8	19.0	75.7	20.2	0.0	20.2	4.7
20	15.4	24.0	19.0	73.7	1.0	0.0	1.0	3.7
21	15.8	24.4	20.6	67.0	0.0	.3	.3	7.8
22	16.8	24.6	18.7	81.7	22.7	19.5	42.2	3.1
23	16.3	25.4	19.8	74.7	1.8	.6	2.4	6.0
24	16.1	24.0	19.0	80.0	4.4	2.0	6.4	3.6
25	16.3	23.8	19.3	77.0	.4	0.0	.4	2.2
26	16.0	25.0	19.8	68.0	3.1	0.0	3.1	8.1
27	17.0	24.2	20.2	76.0	.1	31.5	31.6	3.6
28	15.8	19.2	17.8	83.3	1.7	.3	2.0	0.0
29	16.0	24.2	20.8	70.3	0.0	0.0	0.0	4.8
30	17.0	26.2	21.9	64.3	0.0	0.0	0.0	8.2
31	17.1	25.6	21.4	66.7	0.0	0.0	0.0	4.7
Total :					124.4	169.2	293.6	143.9
Promedio :	16.0	24.0	19.5	75.1				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	23.4	20.5	73.0	0.0	0.0	0.0	.5
2	16.3	24.4	19.8	78.3	1.4	18.5	19.9	2.5
3	16.3	24.0	20.0	75.3	11.5	2.1	13.6	3.1
4	16.3	23.6	19.6	80.7	.1	0.0	.1	1.1
5	16.1	24.4	19.5	73.7	2.5	0.0	2.5	2.5
6	16.0	21.0	17.8	89.3	.9	.3	1.2	.4
7	16.0	22.8	19.0	85.0	6.7	.1	6.8	1.0
8	16.1	26.4	21.1	67.7	0.0	0.0	0.0	5.3
9	16.9	26.2	21.6	64.3	0.0	0.0	0.0	7.0
10	16.4	21.6	17.9	95.7	.4	0.0	.4	.6
11	16.3	25.6	20.4	71.0	0.0	0.0	0.0	5.2
12	16.4	22.4	18.6	80.3	.4	0.0	.4	.8
13	16.8	23.2	19.1	79.7	0.0	32.0	32.0	.2
14	14.4	23.4	18.1	81.3	.5	10.4	10.9	1.7
15	15.3	22.8	18.5	80.0	4.3	1.1	5.4	.7
16	16.0	20.6	17.6	95.3	1.5	13.4	14.9	0.0
17	15.3	20.0	17.7	92.3	.5	.5	1.0	0.0
18	15.2	24.0	17.7	89.3	1.5	3.0	4.5	2.1
19	16.0	23.2	19.6	79.0	.6	22.3	22.9	3.1
20	15.3	21.0	17.1	90.0	5.0	7.9	12.9	0.0
21	15.2	22.4	17.7	85.0	15.7	7.3	23.0	2.7
22	15.1	22.3	18.0	86.7	.1	0.0	.1	2.4
23	16.1	22.6	18.2	92.0	.3	0.0	.3	1.1
24	15.4	23.0	18.0	82.3	.9	20.2	21.1	1.2
25	15.1	23.6	19.0	81.7	3.2	.4	3.6	3.2
26	16.3	24.4	18.1	88.3	2.6	.6	3.2	1.9
27	15.2	22.6	18.6	87.0	0.0	4.9	4.9	1.9
28	16.0	22.4	18.8	87.7	3.1	27.2	30.3	.7
29								
30								
31								
Total :					63.7	172.2	235.9	52.9
Promedio :	15.9	23.1	18.8	82.6				

Estación : EL ROSARIO
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : VENECIA

Latitud : 5 ° 58 'N
Longitud : 75 ° 43 'W
Altitud : 1600 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	20.6	18.1	87.0	2.2	3.7	5.9	.9
2	15.9	24.0	18.9	76.3	2.7	0.0	2.7	2.7
3	16.3	25.4	20.6	69.0	.1	12.1	12.2	6.6
4	16.3	23.6	20.2	76.7	0.0	6.2	6.2	3.3
5	15.3	26.2	20.7	70.0	0.0	0.0	0.0	8.3
6	16.3	26.9	21.1	73.0	0.0	0.0	0.0	8.7
7	16.8	26.2	20.4	69.7	0.0	0.0	0.0	6.7
8	16.0	24.4	20.3	69.0	0.0	0.0	0.0	4.4
9	17.0	21.8	18.0	87.7	2.0	0.0	2.0	.5
10	16.1	23.8	18.4	86.3	12.1	14.1	26.2	2.7
11	15.3	24.6	20.0	70.0	0.0	0.0	0.0	5.3
12	17.1	26.4	21.3	72.3	0.0	0.0	0.0	6.2
13	17.2	25.6	20.8	78.7	0.0	0.0	0.0	2.5
14	15.2	25.4	20.4	72.0	0.0	6.1	6.1	7.4
15	15.1	22.6	18.8	86.0	.3	21.0	21.3	2.1
16	15.6	24.4	19.2	84.0	0.0	.6	.6	2.5
17	16.4	25.8	18.8	83.3	1.3	6.2	7.5	3.4
18	15.3	22.0	18.8	89.0	0.0	0.0	0.0	.5
19	16.4	23.8	18.4	87.0	10.7	1.7	12.4	2.6
20	16.1	24.4	20.0	79.0	2.5	0.0	2.5	5.3
21	16.4	26.0	20.2	81.3	0.0	20.7	20.7	5.5
22	16.1	24.2	20.0	79.0	0.0	0.0	0.0	4.5
23	17.0	24.6	19.3	81.7	4.4	.1	4.5	5.3
24	17.1	25.0	20.4	81.7	.7	.5	1.2	3.9
25	17.2	25.4	21.4	75.7	0.0	0.0	0.0	4.2
26	17.3	27.2	21.5	69.0	0.0	.5	.5	7.8
27	17.3	22.0	18.7	90.3	17.7	0.0	17.7	.1
28	17.0	25.0	18.8	82.0	3.6	7.5	11.1	3.7
29	16.0	24.6	19.9	81.3	2.9	0.0	2.9	4.4
30	17.0	26.0	20.7	73.7	1.4	0.0	1.4	8.0
31	16.4	24.2	20.0	79.7	.3	0.0	.3	2.6
Total					64.9	101.0	165.9	132.6
Promedio :	16.3	24.6	19.8	78.8				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.3	25.4	21.0	81.3	0.0	.5	.5	2.1
2	17.8	25.0	21.4	80.7	0.0	12.2	12.2	3.5
3	16.4	21.4	18.1	95.3	0.0	0.0	0.0	0.0
4	16.0	24.3	17.8	90.3	10.3	.6	10.9	2.1
5	15.1	25.6	19.4	75.0	3.8	0.0	3.8	8.3
6	16.3	26.0	20.5	76.0	.5	2.9	3.4	7.6
7	17.2	25.4	20.9	78.0	0.0	16.6	16.6	3.0
8	15.4	23.0	18.4	86.3	0.0	0.0	0.0	2.1
9	16.3	23.2	17.8	94.0	27.7	1.2	28.9	1.4
10	16.0	21.4	17.7	92.3	4.1	6.1	10.2	.5
11	15.4	24.8	19.0	82.7	1.4	2.4	3.8	6.2
12	17.0	25.0	20.1	83.7	.3	1.1	1.4	4.4
13	15.6	26.0	20.1	82.0	.9	1.4	2.3	5.8
14	17.0	25.4	20.1	83.0	12.4	3.3	15.7	4.3
15	16.4	25.0	19.5	80.3	.3	.4	.7	0.0
16	16.2	27.4	21.8	66.0	0.0	0.0	0.0	10.1
17	17.3	27.0	22.0	53.7	0.0	0.0	0.0	11.0
18	17.0	27.1	22.3	59.3	0.0	0.0	0.0	7.7
19	17.0	28.2	22.8	61.3	0.0	0.0	0.0	9.7
20	17.4	26.0	21.1	73.7	.4	0.0	.4	6.8
21	16.2	26.8	22.3	71.0	0.0	0.0	0.0	10.2
22	17.6	28.0	23.4	63.7	0.0	0.0	0.0	10.1
23	17.4	25.4	21.0	70.0	0.0	28.6	28.6	.6
24	15.2	23.6	19.2	81.7	4.4	34.3	38.7	3.1
25	15.1	24.4	18.9	84.3	0.0	6.7	6.7	3.5
26	15.2	22.0	18.0	90.3	1.7	4.1	5.8	.7
27	16.0	22.3	18.3	86.0	0.0	0.0	0.0	1.8
28	16.0	24.8	18.9	82.7	4.8	.7	5.5	3.0
29	16.1	25.6	19.5	75.7	.3	11.0	11.3	4.7
30	16.0	20.8	17.4	91.0	2.5	0.0	2.5	1.2
31								
Total					75.8	134.1	209.9	135.5
Promedio :	16.4	24.9	20.0	79.0				

Estación : EL ROSARIO
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : VENECIA

Latitud : 5 ° 58 'N
Longitud : 75 ° 43 'W
Altitud : 1600 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	25.2	19.6	76.0	0.0	8.0	8.0	8.2
2	16.2	23.6	18.8	80.0	4.8	.1	4.9	2.7
3	16.1	25.0	20.3	78.3	0.0	6.5	6.5	6.9
4	16.0	22.0	18.0	91.3	2.6	0.0	2.6	1.4
5	15.3	24.4	19.5	84.0	1.7	.4	2.1	4.1
6	15.5	23.0	18.3	88.3	1.5	13.8	15.3	5.3
7	15.1	23.8	17.8	83.0	19.7	2.6	22.3	2.5
8	15.4	24.8	19.2	81.0	0.0	13.5	13.5	6.7
9	16.0	23.4	18.2	85.7	.7	3.9	4.6	4.1
10	15.1	23.6	18.6	80.7	0.0	0.0	0.0	2.8
11	16.0	22.4	18.6	84.3	2.3	31.1	33.4	2.1
12	15.0	23.4	18.2	78.3	4.5	8.5	13.0	7.5
13	15.2	22.0	18.1	88.7	7.0	4.0	11.0	3.8
14	15.3	25.0	19.6	80.3	0.0	.4	.4	4.8
15	16.1	25.4	20.6	76.3	0.0	12.1	12.1	8.1
16	16.0	25.0	20.6	76.7	0.0	0.0	0.0	9.9
17	16.3	26.4	21.0	71.3	1.1	0.0	1.1	10.2
18	17.1	25.2	21.0	76.3	0.0	0.0	0.0	6.4
19	15.3	26.0	19.0	78.7	14.3	0.0	14.3	5.6
20	16.3	25.4	20.4	76.7	0.0	1.1	1.1	7.1
21	15.2	25.0	19.8	78.0	0.0	0.0	0.0	5.9
22	17.0	25.2	20.4	79.3	0.0	.7	.7	4.3
23	16.1	25.4	21.6	70.3	0.0	0.0	0.0	6.6
24	17.4	27.0	23.1	68.0	0.0	0.0	0.0	11.4
25	18.0	26.8	22.5	65.7	0.0	0.0	0.0	9.9
26	17.0	26.1	21.9	70.7	0.0	0.0	0.0	10.2
27	17.1	26.0	21.5	73.0	0.0	3.0	3.0	8.6
28	17.0	25.3	21.4	78.0	0.0	0.0	0.0	4.9
29	18.0	24.6	21.2	83.3	0.0	22.0	22.0	2.6
30	15.4	25.0	19.0	85.3	2.8	2.3	5.1	5.1
31	16.0	26.4	18.6	87.3	13.9	1.0	14.9	7.1
Total :					76.9	135.0	211.9	186.8
Promedio :	16.1	24.8	19.9	79.2				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	25.6	20.1	81.7	1.0	13.5	14.5	6.4
2	16.4	25.8	21.4	79.0	0.0	0.0	0.0	8.7
3	17.1	26.0	21.8	74.3	0.0	.7	.7	7.4
4	16.0	22.0	18.7	90.7	1.1	54.0	55.1	1.1
5	15.1	24.0	18.1	87.7	24.0	.6	24.6	1.9
6	16.0	23.8	18.8	83.3	15.0	2.2	17.2	4.5
7	17.0	24.2	18.9	84.7	10.9	12.4	23.3	2.6
8	16.0	23.6	17.8	94.3	10.9	1.1	12.0	3.4
9	15.9	24.0	18.2	86.3	9.0	30.4	39.4	3.8
10	14.0	25.6	19.7	82.3	0.0	12.8	12.8	8.7
11	16.3	23.0	19.3	91.0	0.0	1.8	1.8	1.6
12	15.5	23.8	19.2	84.3	0.0	0.0	0.0	1.1
13	16.1	23.0	19.1	91.0	0.0	.6	.6	.9
14	16.0	22.4	18.5	85.3	1.0	0.0	1.0	1.3
15	16.4	23.6	19.8	83.7	0.0	5.2	5.2	2.2
16	16.2	20.0	18.2	89.3	5.9	.6	6.5	0.0
17	15.5	25.2	19.2	85.0	0.0	.4	.4	3.4
18	15.0	21.0	17.8	91.3	.2	0.0	.2	.1
19	16.3	24.4	18.7	87.3	7.5	0.0	7.5	4.4
20	16.4	25.2	20.8	79.7	0.0	16.8	16.8	4.5
21	16.1	22.4	18.6	90.0	.9	.2	1.1	2.6
22	16.0	24.8	20.2	78.0	0.0	0.0	0.0	6.6
23	16.3	24.6	19.5	80.0	3.2	5.5	8.7	6.5
24	16.0	22.8	18.6	87.3	0.0	10.2	10.2	2.7
25	15.7	25.0	19.5	84.0	2.0	20.2	22.2	4.9
26	15.0	23.2	18.4	87.3	.5	19.5	20.0	2.2
27	15.2	22.6	17.6	93.7	.2	51.1	51.3	2.9
28	15.0	21.8	17.4	90.3	1.1	0.0	1.1	2.4
29	15.1	24.6	19.2	83.3	1.1	13.3	14.4	4.1
30	13.0	26.0	20.2	78.0	0.0	94.9	94.9	11.1
31								
Total :					95.5	368.0	463.5	114.0
Promedio :	15.8	23.8	19.1	85.5				

Estación : EL ROSARIO
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : VENECIA

Latitud : 5 ° 58 'N
Longitud : 75 ° 43 'W
Altitud : 1600 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	13.9	23.0	19.0	81.0	0.0	5.3	5.3	4.5
2	15.2	23.8	19.3	78.0	1.8	1.1	2.9	5.5
3	15.3	23.0	18.5	85.0	0.0	3.5	3.5	2.9
4	15.0	25.0	20.1	76.3	0.0	0.0	0.0	10.2
5	16.2	24.4	19.5	75.0	.2	0.0	.2	7.8
6	16.0	25.4	19.4	74.7	0.0	1.1	1.1	7.9
7	15.8	22.2	18.3	80.0	1.8	0.0	1.8	.9
8	15.3	23.6	19.1	81.3	0.0	2.5	2.5	3.5
9	14.5	24.2	18.3	83.7	0.0	.2	.2	5.6
10	15.0	25.0	20.6	65.3	0.0	0.0	0.0	11.6
11	16.3	25.0	20.4	71.7	0.0	0.0	0.0	6.4
12	15.0	24.5	19.8	76.0	0.0	0.0	0.0	3.9
13	16.0	26.0	21.5	73.3	0.0	.5	.5	8.0
14	16.3	27.2	22.1	58.7	0.0	0.0	0.0	11.2
15	17.0	26.6	21.7	61.7	0.0	1.5	1.5	8.1
16	15.9	24.4	19.4	76.0	0.0	.1	.1	7.4
17	16.3	26.4	21.7	64.0	0.0	3.3	3.3	10.0
18	15.1	24.2	19.0	79.7	0.0	0.0	0.0	5.1
19	16.3	25.4	20.4	79.7	0.0	19.2	19.2	4.8
20	15.2	24.8	19.0	84.3	.8	.6	1.4	5.8
21	16.4	25.0	21.1	73.7	0.0	0.0	0.0	7.1
22	16.8	25.6	21.6	71.7	0.0	7.4	7.4	8.2
23	16.1	25.2	18.4	83.0	12.0	0.0	12.0	5.5
24	16.0	25.0	20.7	73.3	0.0	3.4	3.4	8.1
25	17.3	26.6	21.8	68.3	0.0	0.0	0.0	7.1
26	17.1	26.0	21.2	68.0	0.0	0.0	0.0	7.8
27	16.4	25.8	20.2	72.0	4.0	0.0	4.0	8.1
28	16.2	26.2	21.8	67.3	0.0	.6	.6	7.4
29	17.3	24.8	20.2	77.7	0.0	0.0	0.0	2.6
30	16.1	26.2	21.0	69.7	0.0	1.0	1.0	8.8
31	15.7	25.2	20.9	78.0	0.0	0.0	0.0	6.2
Total :					20.6	51.3	71.9	208.0
Promedio :	15.9	25.0	20.2	74.5				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.6	25.7	20.4	78.3	.4	0.0	.4	6.9
2	16.4	24.2	20.3	79.7	0.0	0.0	0.0	3.2
3	15.8	23.4	18.2	83.0	24.5	15.1	39.6	2.7
4	15.3	24.0	19.8	74.3	.2	0.0	.2	6.5
5	16.2	24.6	20.0	76.3	.3	.9	1.2	2.5
6	16.3	25.2	19.8	85.0	0.0	31.9	31.9	3.0
7	14.0	24.0	19.7	78.7	0.0	16.2	16.2	6.3
8	16.2	25.6	19.8	80.0	0.0	0.0	0.0	5.1
9	16.0	25.2	19.8	76.0	0.0	.1	.1	5.6
10	16.9	25.6	20.2	73.7	.3	0.0	.3	6.7
11	16.0	26.4	20.2	78.7	3.4	0.0	3.4	9.2
12	17.2	25.4	20.6	77.7	0.0	0.0	0.0	4.8
13	17.0	25.0	19.1	86.7	1.1	29.5	30.6	4.3
14	15.0	23.8	18.4	82.7	0.0	35.6	35.6	3.9
15	15.0	22.8	18.7	82.3	0.0	0.0	0.0	2.0
16	16.2	25.8	20.7	73.0	1.4	1.7	3.1	7.6
17	16.0	25.0	19.8	76.0	5.3	0.0	5.3	6.0
18	16.1	24.0	20.2	82.3	0.0	2.2	2.2	2.9
19	16.2	23.8	19.3	83.0	0.0	1.1	1.1	2.8
20	16.3	23.6	19.4	82.0	1.6	4.5	6.1	2.4
21	16.0	21.4	17.1	89.3	7.8	0.0	7.8	.7
22	14.3	24.0	19.2	80.3	0.0	0.0	0.0	4.7
23	16.0	23.8	19.2	81.3	.8	.1	.9	1.3
24	15.7	23.0	19.0	83.3	0.0	0.0	0.0	4.8
25	16.0	22.0	17.9	86.7	2.5	8.6	11.1	.7
26	15.0	23.4	18.9	78.0	.7	12.5	13.2	5.2
27	14.8	22.0	18.1	87.0	13.7	0.0	13.7	1.8
28	16.7	21.4	18.4	95.3	.8	0.0	.8	1.0
29	16.2	25.0	21.3	70.7	0.0	0.0	0.0	5.6
30	17.3	25.8	20.9	79.0	0.0	0.0	0.0	4.6
31	16.3	25.6	20.9	65.3	0.0	0.0	0.0	8.3
Total :					64.8	160.0	224.8	133.1
Promedio :	15.9	24.2	19.5	80.2				

Estación : EL ROSARIO
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : VENECIA

Latitud : 5 ° 58 'N
Longitud : 75 ° 43 'W
Altitud : 1600 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.1	24.0	19.5	88.7	.2	38.6	38.8	3.3
2	15.4	22.6	19.1	87.7	0.0	21.2	21.2	2.0
3	14.3	23.8	18.3	86.3	.1	0.0	.1	2.6
4	15.0	24.2	19.9	82.0	0.0	37.3	37.3	3.4
5	14.1	24.0	18.7	80.0	0.0	0.0	0.0	3.6
6	15.3	26.0	19.3	77.0	11.3	6.2	17.5	9.7
7	16.0	25.0	19.0	82.7	0.0	23.9	23.9	5.5
8	14.1	22.8	18.7	82.0	0.0	4.0	4.0	3.5
9	15.1	22.6	17.8	88.7	7.2	.8	8.0	1.5
10	15.4	23.0	18.6	85.0	1.7	2.4	4.1	1.4
11	15.6	23.6	19.1	83.7	.2	15.3	15.5	4.4
12	15.1	22.0	18.0	85.7	1.2	.5	1.7	2.0
13	15.3	22.8	17.5	87.7	32.0	20.5	52.5	1.3
14	14.3	20.4	17.6	91.7	.3	0.0	.3	.9
15	15.2	24.4	17.8	85.7	.2	1.4	1.6	1.1
16	15.7	25.6	20.3	74.0	0.0	9.4	9.4	5.8
17	15.3	22.8	19.2	85.0	0.0	0.0	0.0	3.3
18	16.0	26.0	19.7	73.0	.4	.4	.8	9.0
19	16.1	25.0	20.2	81.0	1.1	0.0	1.1	7.0
20	15.3	24.0	18.5	80.3	45.2	4.3	49.5	3.6
21	15.1	24.2	19.0	82.0	6.6	34.9	41.5	5.1
22	14.4	22.0	18.0	83.7	0.0	3.3	3.3	1.2
23	15.0	21.5	17.3	84.0	19.9	1.0	20.9	2.0
24	14.1	22.2	17.9	86.3	.2	7.0	7.2	5.2
25	15.2	22.4	18.1	83.3	.1	1.1	1.2	1.1
26	15.2	22.4	18.4	85.7	.4	55.4	55.8	1.4
27	14.3	23.8	17.8	84.7	2.5	.8	3.3	2.5
28	15.0	21.6	18.2	85.3	.8	33.2	34.0	1.8
29	14.0	22.4	17.7	84.7	.5	3.0	3.5	2.2
30	15.2	23.5	19.0	81.3	0.0	52.5	52.5	1.7
31								
Total :					132.1	378.4	510.5	99.1
Promedio :	15.1	23.4	18.6	83.6				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.3	20.5	16.8	86.3	4.5	0.0	4.5	.2
2	15.3	22.0	17.6	84.3	.1	0.0	.1	.8
3	15.5	25.2	19.7	82.3	0.0	9.7	9.7	5.6
4	16.0	23.0	18.6	89.7	1.7	0.0	1.7	2.3
5	15.4	24.4	18.9	78.0	.2	22.7	22.9	2.2
6	14.3	19.0	16.4	91.7	8.7	4.9	13.6	.2
7	14.1	23.5	18.8	79.3	0.0	2.4	2.4	4.0
8	15.2	25.4	19.5	80.0	0.0	0.0	0.0	5.2
9	16.2	23.0	19.7	81.0	.1	6.0	6.1	2.0
10	15.7	22.6	18.5	86.7	1.1	54.2	55.3	1.9
11	15.0	23.8	18.7	84.3	14.4	3.3	17.7	5.6
12	14.4	24.5	18.4	80.0	16.5	.2	16.7	8.2
13	16.2	25.0	20.5	75.3	0.0	2.0	2.0	8.7
14	16.3	24.3	20.0	79.3	0.0	7.6	7.6	3.1
15	16.2	22.2	18.7	81.0	0.0	35.8	35.8	3.5
16	14.8	20.0	16.8	86.0	.6	0.0	.6	.5
17	15.3	23.2	17.4	88.3	4.1	0.0	4.1	2.9
18	14.0	24.2	17.8	83.0	21.1	.7	21.8	7.5
19	15.1	24.0	19.7	78.3	0.0	0.0	0.0	6.6
20	16.1	22.8	18.7	86.7	10.6	3.3	13.9	2.6
21	15.6	23.8	18.1	92.0	26.7	7.6	34.3	5.5
22	15.4	22.4	18.5	92.3	9.6	46.9	56.5	1.7
23	15.2	22.0	18.4	85.0	3.5	0.0	3.5	2.0
24	15.5	22.4	18.9	89.7	.6	14.8	15.4	1.7
25	16.1	20.8	18.1	85.3	.7	4.7	5.4	.5
26	16.2	24.0	19.4	84.7	0.0	6.9	6.9	2.0
27	16.0	23.0	18.8	89.3	2.3	9.4	11.7	2.0
28	15.2	23.2	18.9	84.3	.8	7.6	8.4	1.6
29	15.3	23.4	18.8	84.7	1.9	7.9	9.8	4.8
30	15.3	20.5	17.5	92.0	4.5	0.0	4.5	1.2
31	15.4	24.9	19.8	83.0	0.0	0.0	0.0	5.5
Total :					134.3	258.6	392.9	102.1
Promedio :	15.4	23.0	18.6	84.6				

Estación : EL ROSARIO
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : VENECIA

Latitud : 5 ° 58 'N
Longitud : 75 ° 43 'W
Altitud : 1600 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.6	25.4	20.0	73.3	0.0	0.0	0.0	6.0
2	16.4	24.5	20.6	76.3	0.0	0.0	0.0	4.3
3	16.1	25.0	19.6	84.3	0.0	7.4	7.4	3.4
4	16.3	22.3	19.1	83.3	1.9	.3	2.2	1.6
5	16.0	24.2	20.2	77.3	.7	0.0	.7	4.8
6	17.2	22.0	18.5	90.0	22.2	18.4	40.6	2.3
7	16.0	21.8	17.9	94.7	5.9	.1	6.0	1.6
8	16.2	23.0	18.9	92.7	.9	2.5	3.4	1.4
9	16.3	24.8	20.2	83.0	0.0	0.0	0.0	6.5
10	16.4	26.6	21.2	78.0	0.0	2.7	2.7	7.5
11	15.4	21.4	18.6	84.0	.1	0.0	.1	.7
12	16.6	23.6	18.6	87.0	3.1	3.2	6.3	2.0
13	15.4	21.4	17.8	93.3	.1	0.0	.1	.3
14	16.0	23.5	20.0	81.0	0.0	19.7	19.7	3.4
15	14.8	21.6	17.8	84.3	1.4	0.0	1.4	.8
16	15.6	24.0	18.8	82.0	0.0	2.1	2.1	5.1
17	14.8	23.2	19.0	79.7	.7	23.8	24.5	5.9
18	15.9	19.8	17.6	95.0	4.4	8.0	12.4	0.0
19	15.6	21.8	17.6	90.7	10.0	4.8	14.8	.9
20	16.2	23.6	17.6	95.3	27.9	14.0	41.9	1.3
21	15.8	23.2	19.0	83.7	.1	37.7	37.8	4.2
22	16.0	22.9	18.8	88.3	.6	1.1	1.7	.7
23	16.3	24.2	18.4	83.3	1.5	47.7	49.2	3.6
24	15.0	23.4	17.9	88.7	6.1	6.9	13.0	3.8
25	15.4	21.6	17.2	89.3	1.7	8.2	9.9	1.6
26	15.6	24.6	19.0	79.7	2.2	0.0	2.2	6.7
27	15.0	24.4	19.5	78.3	.1	0.0	.1	7.9
28	16.6	25.4	20.6	72.0	0.0	0.0	0.0	9.8
29	16.9	26.7	20.9	74.0	0.0	0.0	0.0	7.6
30	16.9	24.6	19.9	80.7	14.1	7.6	21.7	3.6
31								
Total :					105.7	216.2	321.9	109.3
Promedio :	15.9	23.5	19.0	84.1				

Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.3	21.2	18.4	92.3	3.6	1.4	5.0	.3
2	15.6	23.4	18.5	87.0	10.7	4.9	15.6	2.7
3	16.4	24.3	20.0	83.0	1.0	12.2	13.2	4.2
4	16.9	24.2	19.8	90.0	1.0	51.1	52.1	2.1
5	16.0	23.8	19.4	86.0	0.0	2.4	2.4	1.9
6	16.7	25.2	19.5	78.7	.3	.1	.4	3.4
7	16.9	25.8	20.5	76.0	5.8	0.0	5.8	6.8
8	16.8	25.7	20.8	78.3	0.0	0.0	0.0	9.2
9	17.7	26.8	21.6	75.3	0.0	0.0	0.0	6.0
10	17.8	23.0	20.1	88.0	1.1	0.0	1.1	1.1
11	16.9	24.0	18.4	92.7	4.6	3.1	7.7	2.9
12	16.6	23.0	18.6	90.3	3.7	17.9	21.6	1.7
13	16.7	25.9	19.6	81.7	0.0	7.1	7.1	3.9
14	16.8	23.3	19.5	82.0	0.0	7.4	7.4	1.7
15	16.9	25.8	20.2	84.0	2.7	22.9	25.6	5.2
16	16.3	24.7	19.5	84.3	0.0	19.2	19.2	3.4
17	16.8	25.2	20.1	86.0	.8	8.1	8.9	4.9
18	17.0	24.0	19.8	89.3	.1	21.5	21.6	2.1
19	16.8	25.0	20.0	83.0	0.0	40.5	40.5	6.8
20	17.2	24.0	20.0	86.0	6.2	0.0	6.2	2.1
21	17.8	27.0	21.5	78.0	.4	0.0	.4	8.1
22	18.2	24.9	20.2	88.3	0.0	0.0	0.0	2.2
23	16.8	24.4	19.7	74.0	.2	0.0	.2	7.1
24	16.9	20.0	17.9	96.3	3.8	3.4	7.2	0.0
25	15.6	22.4	18.6	75.0	0.0	0.0	0.0	1.4
26	15.7	24.9	19.7	72.7	0.0	0.0	0.0	6.3
27	16.2	25.8	20.0	75.0	0.0	0.0	0.0	8.9
28	15.8	24.9	19.7	71.7	0.0	.6	.6	8.1
29	15.7	23.8	18.8	81.3	0.0	0.0	0.0	5.0
30	15.2	25.8	19.5	73.0	0.0	0.0	0.0	9.8
31	16.8	26.5	20.2	75.3	.1	0.0	.1	7.9
Total :					46.1	223.8	269.9	137.2
Promedio :	16.6	24.5	19.7	82.4				

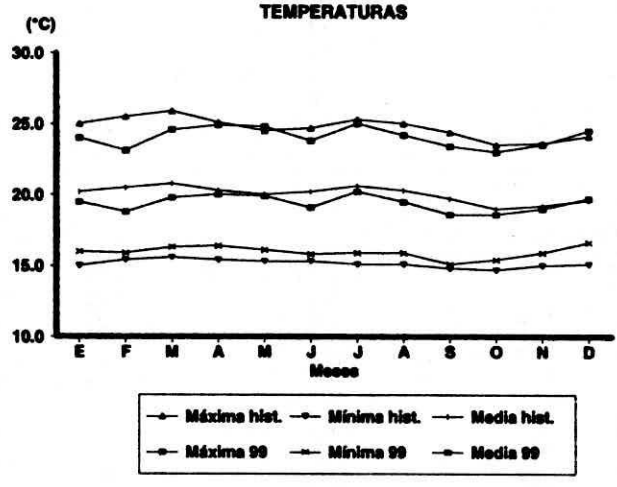
Estación : EL ROSARIO
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : VENECIA

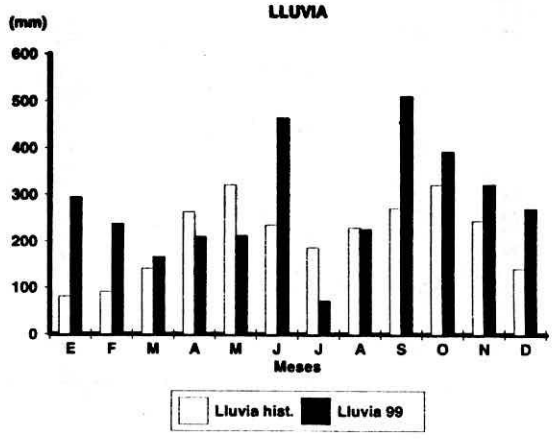
Latitud : 5 ° 58 'N
Longitud : 75 ° 43 'W
Altitud : 1600 m

MES	TEMPERATURA °C					PRECIPITACION			
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	16.0	24.0	19.5	26.4	14.4	75.1	293.6	22	143.9
Febrero	15.9	23.1	18.8	26.4	14.4	82.6	235.9	24	52.9
Marzo	16.3	24.6	19.8	27.2	15.0	78.8	165.9	21	132.6
Abril	16.4	24.9	20.0	28.2	15.1	79.0	209.9	21	135.5
Mayo	16.1	24.8	19.9	27.0	15.0	79.2	211.9	22	186.8
Junio	15.8	23.8	19.1	26.0	13.0	85.5	463.5	27	114.0
Julio	15.9	25.0	20.2	27.2	13.9	74.5	71.9	20	208.0
Agosto	15.9	24.2	19.5	26.4	14.0	80.2	224.8	22	133.1
Septiembre	15.1	23.4	18.6	26.0	14.0	83.6	510.5	28	99.1
Octubre	15.4	23.0	18.6	25.4	14.0	84.6	392.9	28	102.1
Noviembre	15.9	23.5	19.0	26.7	14.8	84.1	321.9	25	109.3
Diciembre	16.6	24.5	19.7	27.0	15.2	82.4	269.9	23	137.2
Promedio :	15.9	24.1	19.4			80.8			
Absoluta :				28.2	13.0				
Total :							3372.6	283	1554.5

TEMPERATURAS



LLUVIA



Estación : EL TRAPICHE
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : BOLIVAR

Latitud : 5 ° 48 'N
Longitud : 76 ° 1 'W
Altitud : 1320 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.4	29.0	21.8	78.3	0.0	9.1	9.1	4.1
2	17.0	28.4	22.0	76.7	0.0	2.9	2.9	7.8
3	18.0	29.4	21.8	80.7	0.0	.5	.5	4.8
4	18.6	29.5	22.0	79.0	.6	27.7	28.3	7.0
5	17.7	24.0	19.6	88.3	1.7	11.1	12.8	.7
6	17.4	29.0	20.8	76.7	0.0	0.0	0.0	4.0
7	18.4	28.5	21.6	76.3	0.0	.5	.5	3.8
8	17.5	26.5	20.0	82.7	.5	6.2	6.7	1.1
9	16.7	25.9	20.2	85.7	1.1	0.0	1.1	1.3
10	16.9	24.0	19.1	88.3	8.7	.1	8.8	.8
11	15.5	26.5	19.8	81.0	0.0	0.0	0.0	5.3
12	15.7	28.0	20.0	81.3	0.0	.1	.1	4.1
13	15.6	29.3	20.6	71.3	0.0	0.0	0.0	8.5
14	16.0	28.0	20.6	70.3	.3	0.0	.3	7.0
15	14.2	27.7	19.1	76.3	0.0	0.0	0.0	7.2
16	15.6	23.4	19.0	83.7	3.1	0.0	3.1	0.0
17	16.8	28.6	20.2	75.0	0.0	0.0	0.0	5.9
18	18.0	28.8	22.0	75.0	0.0	0.0	0.0	5.0
19	16.6	29.4	21.2	75.0	0.0	0.0	0.0	4.7
20	17.6	28.4	22.2	80.3	0.0	9.5	9.5	4.1
21	16.5	28.5	21.5	79.3	.2	6.3	6.5	6.2
22	18.2	27.2	21.4	80.7	.1	29.4	29.5	2.6
23	17.0	28.0	21.4	81.0	0.0	9.1	9.1	6.2
24	17.3	27.2	21.5	79.0	0.0	.6	.6	3.4
25	18.0	26.4	21.0	83.3	0.0	0.0	0.0	2.9
26	16.7	29.0	21.4	75.0	0.0	0.0	0.0	4.7
27	18.4	27.2	21.7	80.7	0.0	21.0	21.0	1.6
28	17.4	23.4	19.5	90.3	2.0	.3	2.3	0.0
29	16.5	29.7	21.4	81.7	1.0	0.0	1.0	6.0
30	17.0	31.2	21.8	75.0	.4	.4	.8	8.9
31	18.5	30.2	22.0	78.3	0.0	0.0	0.0	4.5
Total :					19.7	134.8	154.5	134.2
Promedio :	17.1	27.8	20.9	79.6				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.0	27.6	22.2	77.7	0.0	.2	.2	.4
2	18.1	28.6	21.0	86.0	0.0	0.0	0.0	2.6
3	17.5	26.8	21.3	82.3	0.0	39.8	39.8	2.3
4	16.8	28.4	21.2	82.0	0.0	2.5	2.5	6.4
5	18.2	27.6	21.4	79.7	0.0	6.1	6.1	3.3
6	17.0	23.0	19.3	93.0	1.8	36.2	38.0	.2
7	17.4	26.4	21.2	82.0	0.0	16.7	16.7	2.0
8	17.2	29.8	21.6	76.3	.1	.1	.2	6.8
9	17.0	30.0	21.8	74.0	0.0	29.6	29.6	7.2
10	17.2	23.0	19.0	92.3	1.6	6.5	8.1	.4
11	17.0	28.4	21.9	76.0	0.0	5.3	5.3	5.0
12	17.4	23.5	19.2	85.0	.9	0.0	.9	0.0
13	17.5	25.8	20.0	80.7	0.0	15.7	15.7	.2
14	16.2	24.8	19.8	79.3	0.0	6.3	6.3	2.0
15	17.0	27.0	20.0	81.7	1.4	4.4	5.8	1.2
16	17.3	23.0	19.4	92.0	6.0	32.0	38.0	.2
17	16.2	24.0	18.8	89.7	8.0	9.0	17.0	.8
18	16.4	27.7	20.8	81.7	0.0	9.7	9.7	6.4
19	16.5	27.4	20.9	80.3	1.6	52.8	54.4	4.4
20	17.2	25.6	20.0	86.0	1.1	1.8	2.9	1.8
21	15.4	25.0	19.5	81.0	1.3	7.2	8.5	1.8
22	16.2	28.4	21.1	76.0	0.0	0.0	0.0	6.5
23	17.4	26.0	20.7	80.7	0.0	.3	.3	2.9
24	16.7	27.0	21.0	77.7	0.0	15.9	15.9	3.8
25	16.5	28.6	20.7	78.0	0.0	0.0	0.0	7.0
26	18.0	28.4	21.0	79.0	.6	5.5	6.1	6.4
27	16.3	28.0	20.1	80.7	.6	.9	1.5	4.5
28	17.5	25.5	20.4	81.3	0.0	10.6	10.6	3.2
29								
30								
31								
Total :					25.0	315.1	340.1	89.7
Promedio :	17.1	26.6	20.5	81.9				

Estación : EL TRAPICHE
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : BOLIVAR

Latitud : 5 ° 48 'N
Longitud : 76 ° 1 'W
Altitud : 1320 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.4	25.2	19.8	84.3	0.0	0.0	0.0	4.2
2	15.5	27.8	20.5	79.3	0.0	12.4	12.4	7.9
3	17.6	29.3	21.2	76.3	0.0	7.3	7.3	6.7
4	16.4	29.0	20.7	79.3	0.0	15.0	15.0	4.2
5	16.2	30.8	21.0	73.7	0.0	42.3	42.3	9.0
6	16.0	30.4	22.0	67.3	0.0	0.0	0.0	8.7
7	17.0	28.5	21.8	71.0	0.0	0.0	0.0	6.3
8	17.2	28.5	21.3	73.7	0.0	0.0	0.0	6.0
9	17.5	23.0	19.2	84.0	1.6	.6	2.2	0.0
10	16.5	26.3	19.5	85.0	5.3	1.3	6.6	.7
11	15.6	29.2	21.3	75.3	0.0	0.0	0.0	4.9
12	17.8	30.6	23.0	72.0	0.0	0.0	0.0	6.3
13	17.4	28.5	21.8	76.3	0.0	40.6	40.6	2.6
14	15.6	29.0	21.9	76.0	0.0	15.3	15.3	7.9
15	16.7	24.4	19.0	86.7	0.0	3.7	3.7	1.6
16	16.9	27.6	20.3	81.7	0.0	2.8	2.8	3.6
17	17.4	30.0	22.0	75.3	0.0	20.8	20.8	5.8
18	17.0	26.5	20.3	84.0	0.0	5.5	5.5	1.4
19	17.6	27.6	21.1	76.7	2.2	5.3	7.5	2.9
20	16.1	27.3	20.7	83.7	1.4	3.0	4.4	3.4
21	18.2	29.0	21.2	79.0	0.0	4.6	4.6	3.0
22	17.5	28.3	21.8	75.3	0.0	0.0	0.0	6.8
23	17.2	29.2	21.5	77.0	0.0	0.0	0.0	6.5
24	18.0	29.4	22.5	73.7	0.0	.4	.4	6.2
25	18.4	29.0	22.5	72.3	0.0	0.0	0.0	3.9
26	16.8	30.4	22.9	74.0	0.0	0.0	0.0	6.7
27	19.0	26.0	21.2	83.0	0.0	.3	.3	.1
28	18.4	29.2	21.2	83.0	.1	19.2	19.3	3.7
29	16.4	28.6	21.2	78.0	0.0	0.0	0.0	7.1
30	17.5	30.0	22.4	76.0	0.0	7.7	7.7	8.4
31	17.8	29.0	21.7	79.7	.7	0.0	.7	4.5
Total					11.3	208.1	219.4	151.0
Promedio	17.1	28.3	21.2	77.8				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	28.2	21.9	79.0	0.0	0.0	0.0	4.4
2	17.8	29.3	22.5	77.0	0.0	8.0	8.0	6.8
3	16.6	23.9	19.4	87.7	.5	0.0	.5	0.0
4	15.0	28.2	20.4	84.0	1.7	.4	2.1	6.0
5	16.6	29.5	21.4	77.3	0.0	3.0	3.0	6.9
6	18.0	29.2	22.1	74.0	0.0	3.4	3.4	8.3
7	18.5	29.0	22.4	76.0	0.0	23.3	23.3	5.4
8	17.0	25.2	20.0	84.7	0.0	10.3	10.3	1.7
9	17.1	26.7	20.0	85.0	4.2	2.2	6.4	1.9
10	17.1	23.9	20.0	88.3	.3	5.9	6.2	.2
11	16.0	29.2	21.0	76.0	0.0	2.8	2.8	6.1
12	17.3	28.7	21.9	76.7	0.0	0.0	0.0	7.2
13	16.9	29.5	22.0	74.0	.1	8.1	8.2	7.3
14	17.8	27.7	21.7	78.3	0.0	70.4	70.4	3.2
15	16.5	28.7	20.2	78.7	13.4	0.0	13.4	6.9
16	15.7	29.0	21.8	67.3	0.0	0.0	0.0	10.4
17	15.6	30.7	22.4	61.7	0.0	0.0	0.0	7.8
18	14.6	30.4	22.6	65.0	0.0	0.0	0.0	8.1
19	15.7	31.3	22.7	70.0	0.0	0.0	0.0	7.8
20	16.5	28.5	21.1	74.7	2.7	0.0	2.7	3.9
21	15.2	29.1	21.8	74.7	0.0	0.0	0.0	6.3
22	16.6	31.3	23.5	72.7	0.0	0.0	0.0	8.4
23	19.0	28.5	22.5	77.7	0.0	10.8	10.8	1.5
24	17.5	25.8	21.3	81.0	0.0	25.7	25.7	2.8
25	16.2	25.0	20.0	82.3	.8	11.2	12.0	3.5
26	16.8	26.5	21.5	82.3	2.0	31.9	33.9	3.5
27	17.0	25.0	19.9	82.7	4.2	0.0	4.2	1.3
28	15.5	28.6	20.9	75.7	.1	14.7	14.8	5.3
29	16.3	28.7	21.6	76.0	0.0	45.1	45.1	7.0
30	16.7	23.2	19.4	87.3	3.3	0.0	3.3	.4
31								
Total					33.3	277.2	310.5	150.3
Promedio	16.7	27.9	21.3	77.6				

Estación : EL TRAPICHE
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : BOLIVAR

Latitud : 5 ° 48 'N
Longitud : 76 ° 1 'W
Altitud : 1320 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.6	27.5	21.8	74.3	0.0	7.3	7.3	7.8
2	16.7	26.7	20.4	81.0	.7	0.0	.7	2.9
3	16.5	28.5	21.2	76.7	0.0	11.6	11.6	8.4
4	16.9	24.7	19.4	89.3	5.6	5.6	11.2	1.2
5	15.7	29.1	21.4	78.7	1.3	2.2	3.5	7.4
6	16.9	28.4	21.4	77.7	0.0	20.3	20.3	7.7
7	16.4	27.8	20.0	80.3	.3	14.2	14.5	5.5
8	15.9	28.0	20.4	79.0	0.0	1.8	1.8	3.1
9	17.5	26.0	19.5	84.0	6.0	3.5	9.5	3.7
10	15.9	26.3	19.8	81.3	0.0	0.0	0.0	3.7
11	15.4	24.5	19.2	83.3	0.0	19.1	19.1	0.0
12	14.8	26.7	20.6	78.7	.2	17.3	17.5	5.2
13	16.0	27.3	20.4	77.7	.3	3.2	3.5	7.4
14	15.6	27.5	20.8	83.0	.2	9.0	9.2	7.7
15	15.8	27.7	21.6	78.7	.1	.2	.3	6.0
16	16.2	29.1	21.0	80.3	0.0	3.0	3.0	8.7
17	16.5	29.7	21.5	74.7	0.0	0.0	0.0	9.7
18	17.7	28.6	22.3	73.3	0.0	4.9	4.9	7.0
19	18.0	28.2	21.3	80.0	1.1	0.0	1.1	3.9
20	16.0	28.8	21.5	71.7	5.8	7.6	13.4	7.0
21	16.1	26.8	20.8	79.0	.2	3.0	3.2	5.8
22	18.0	28.7	22.2	79.7	0.0	31.1	31.1	4.8
23	17.4	30.0	22.0	77.7	0.0	0.0	0.0	8.7
24	18.6	31.4	23.5	71.7	0.0	0.0	0.0	9.2
25	17.7	31.2	21.6	72.0	0.0	23.2	23.2	8.2
26	15.8	30.1	22.0	71.3	0.0	0.0	0.0	9.8
27	16.9	30.8	22.3	73.0	0.0	1.5	1.5	7.5
28	18.5	29.0	22.7	76.3	0.0	0.0	0.0	5.4
29	18.2	27.7	22.3	78.7	0.0	20.2	20.2	3.6
30	16.0	27.8	20.8	79.3	.9	0.0	.9	5.5
31	16.7	28.5	22.1	75.0	0.0	15.4	15.4	7.3
Total :					22.7	225.2	247.9	189.8
Promedio :	16.6	28.2	21.2	78.0				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.4	27.4	21.5	81.3	0.0	21.6	21.6	5.0
2	17.8	29.0	21.8	77.0	0.0	0.0	0.0	6.9
3	17.3	29.8	23.5	72.0	4.3	12.1	16.4	6.7
4	17.5	25.0	20.5	85.0	2.0	28.4	30.4	1.7
5	17.2	27.9	20.6	81.0	.8	.2	1.0	3.0
6	16.0	27.5	20.5	81.7	0.0	12.2	12.2	5.7
7	17.4	28.0	21.1	80.3	1.5	6.6	8.1	5.3
8	17.0	26.5	20.0	85.0	1.9	3.8	5.7	2.2
9	17.5	27.9	22.0	75.3	0.0	28.5	28.5	5.7
10	17.4	28.3	21.6	76.7	0.0	53.2	53.2	8.3
11	16.2	25.8	20.4	84.0	0.0	4.0	4.0	1.9
12	17.5	27.0	20.5	86.0	.5	0.0	.5	1.8
13	16.2	26.7	20.8	80.7	0.0	1.3	1.3	1.2
14	16.5	25.0	20.0	86.7	0.0	0.0	0.0	1.2
15	16.2	28.4	21.2	81.0	26.7	.1	26.8	5.7
16	15.3	25.8	20.0	84.0	0.0	0.0	0.0	4.1
17	17.5	28.5	21.7	77.3	0.0	1.2	1.2	7.2
18	16.8	24.5	20.0	85.3	0.0	3.0	3.0	.1
19	17.4	28.0	20.6	84.7	.4	0.0	.4	3.9
20	18.4	27.9	21.7	78.7	.5	21.4	21.9	5.0
21	16.5	24.6	19.2	85.7	2.0	0.0	2.0	.3
22	15.9	28.7	20.9	80.7	0.0	0.0	0.0	6.6
23	17.4	28.6	22.1	73.3	0.0	8.9	8.9	8.5
24	16.4	27.1	20.6	84.0	.5	6.5	7.0	4.4
25	16.5	28.9	20.3	81.0	2.0	5.6	7.6	5.7
26	16.9	28.0	20.2	81.7	.2	13.0	13.2	5.4
27	17.0	25.8	20.0	83.7	0.0	26.0	26.0	3.1
28	16.7	22.7	18.5	90.3	.8	0.0	.8	.2
29	15.0	28.3	21.1	74.7	1.7	.2	1.9	6.7
30	16.2	29.6	21.5	75.3	0.0	5.2	5.2	8.9
31								
Total :					45.8	263.0	308.8	132.4
Promedio :	16.8	27.2	20.8	81.1				

Estación : EL TRAPICHE
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : BOLIVAR

Latitud : 5 ° 48 'N
Longitud : 76 ° 1 'W
Altitud : 1320 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.6	26.2	20.2	77.7	0.0	.1	.1	6.7
2	15.5	29.1	21.6	76.0	0.0	10.4	10.4	7.1
3	16.4	26.0	19.5	84.7	0.0	7.6	7.6	2.3
4	16.6	29.8	21.0	73.0	0.0	0.0	0.0	9.1
5	16.7	29.0	21.0	71.3	0.0	0.0	0.0	8.4
6	17.0	27.8	20.9	75.7	.8	5.7	6.5	6.2
7	16.5	25.4	20.1	84.3	0.0	0.0	0.0	1.9
8	16.9	26.9	21.5	77.7	0.0	4.1	4.1	4.4
9	16.0	27.0	20.7	80.3	.3	0.0	.3	6.2
10	16.1	29.1	21.4	66.0	0.0	0.0	0.0	10.0
11	15.8	30.3	21.7	74.0	0.0	18.8	18.8	10.1
12	16.0	26.5	20.8	82.7	0.0	0.0	0.0	5.3
13	16.5	30.3	21.7	75.7	0.0	1.5	1.5	7.8
14	16.6	31.8	22.6	70.3	0.0	0.0	0.0	10.0
15	16.8	31.0	22.0	67.3	0.0	0.0	0.0	9.2
16	17.4	28.0	20.8	78.0	.5	0.0	.5	5.2
17	16.0	30.5	21.7	76.0	0.0	20.0	20.0	7.9
18	16.3	26.7	20.3	80.7	0.0	0.0	0.0	4.9
19	16.4	28.4	21.8	79.7	0.0	17.2	17.2	6.2
20	16.4	28.6	21.0	81.0	0.0	8.7	8.7	7.4
21	16.0	29.5	21.5	74.3	0.0	0.0	0.0	8.0
22	16.8	29.4	22.0	77.3	.2	7.2	7.4	5.3
23	16.2	28.6	20.5	80.7	8.2	.1	8.3	7.0
24	17.0	29.7	21.7	75.0	0.0	0.0	0.0	7.6
25	17.2	31.0	22.2	73.3	0.0	0.0	0.0	8.0
26	17.5	29.0	22.2	76.3	.1	3.4	3.5	7.3
27	17.2	29.2	21.4	76.0	1.4	.5	1.9	6.5
28	16.5	28.8	22.0	77.7	5.5	2.4	7.9	5.7
29	18.4	28.6	21.8	77.7	0.0	0.0	0.0	3.6
30	16.0	29.4	21.9	74.0	2.6	2.6	5.2	9.4
31	17.0	29.3	21.6	80.0	.7	4.5	5.2	6.3
Total :					20.3	114.8	135.1	211.0
Promedio :	16.6	28.7	21.3	76.6				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	30.1	22.1	75.0	0.0	20.7	20.7	5.0
2	16.6	26.6	20.9	85.7	.2	13.8	14.0	5.0
3	16.9	25.8	21.0	82.0	0.0	9.5	9.5	3.2
4	17.0	28.2	21.6	79.0	0.0	10.2	10.2	7.3
5	16.8	29.0	20.8	82.0	0.0	13.4	13.4	8.3
6	17.0	27.5	20.7	80.3	0.0	9.0	9.0	6.2
7	15.7	28.5	20.6	80.0	0.0	0.0	0.0	7.8
8	18.0	27.4	21.8	79.0	1.2	.3	1.5	5.6
9	16.8	25.6	20.8	86.0	.5	0.0	.5	3.8
10	17.2	30.5	22.1	73.7	.6	.2	.8	8.4
11	16.3	29.4	21.6	79.3	1.2	.6	1.8	9.4
12	18.2	29.0	22.8	71.0	0.0	0.0	0.0	8.2
13	17.3	29.3	21.4	78.7	5.2	26.5	31.7	8.3
14	17.0	27.5	21.2	80.3	0.0	15.0	15.0	6.5
15	16.5	25.0	20.3	83.7	0.0	0.0	0.0	2.2
16	16.8	30.0	21.6	75.0	0.0	.5	.5	10.4
17	16.3	30.1	22.5	75.7	0.0	10.8	10.8	9.2
18	16.4	27.8	20.9	80.0	.4	.1	.5	4.4
19	16.8	26.3	20.5	84.0	.3	0.0	.3	2.3
20	17.3	29.0	21.8	78.3	0.0	28.2	28.2	9.0
21	16.7	24.8	19.2	86.3	2.1	0.0	2.1	.4
22	16.0	27.3	19.6	78.3	.5	0.0	.5	5.1
23	14.9	28.1	20.8	79.7	1.8	0.0	1.8	3.9
24	17.0	28.0	21.0	82.0	0.0	0.0	0.0	4.8
25	15.8	27.6	20.6	78.0	.7	10.4	11.1	3.2
26	15.5	26.0	19.3	82.0	0.0	1.9	1.9	2.5
27	17.1	27.2	21.0	81.0	0.0	0.0	0.0	5.3
28	17.5	23.7	20.0	86.3	10.9	0.0	10.9	0.0
29	17.1	29.3	21.7	74.0	0.0	6.6	6.6	5.9
30	17.5	29.5	21.2	74.3	0.0	0.0	0.0	5.1
31	15.8	28.8	21.8	75.7	0.0	26.7	26.7	6.2
Total :					25.6	204.4	230.0	172.9
Promedio :	16.7	27.8	21.1	79.6				

Estación : EL TRAPICHE
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : BOLIVAR

Latitud : 5 ° 48 'N
Longitud : 76 ° 1 'W
Altitud : 1320 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.4	26.4	20.4	84.0	0.0	15.2	15.2	3.1
2	16.5	26.7	20.1	84.3	1.0	14.0	15.0	4.1
3	17.1	26.5	20.0	81.7	4.0	14.0	18.0	4.5
4	16.8	27.5	20.8	80.0	18.3	6.8	25.1	5.3
5	14.5	26.9	20.1	80.0	0.0	0.0	0.0	7.5
6	15.6	30.2	22.4	68.3	1.2	7.6	8.8	9.2
7	17.4	28.5	21.2	79.0	0.0	23.5	23.5	6.1
8	15.4	27.3	20.6	82.0	0.0	3.4	3.4	6.2
9	15.2	27.5	21.1	81.0	0.0	9.5	9.5	6.1
10	17.0	26.8	21.0	80.0	.3	2.8	3.1	4.6
11	16.2	26.6	21.4	75.7	0.0	15.2	15.2	5.9
12	17.2	25.0	20.0	86.3	5.1	.5	5.6	.8
13	17.4	26.7	20.4	80.3	1.7	4.9	6.6	3.1
14	17.2	22.4	19.4	86.7	0.0	1.0	1.0	0.0
15	16.6	26.8	20.2	82.7	14.0	0.0	14.0	2.7
16	15.6	28.4	21.8	77.3	4.0	28.8	32.8	6.7
17	16.4	26.0	20.4	83.0	.5	9.5	10.0	2.6
18	16.2	29.9	21.4	74.7	3.2	2.8	6.0	8.3
19	16.6	28.5	21.7	79.3	0.0	20.0	20.0	7.2
20	14.5	28.0	20.6	79.3	.1	0.0	.1	5.0
21	15.2	28.8	21.1	78.0	0.0	21.9	21.9	4.8
22	16.2	24.0	19.8	84.0	1.0	.3	1.3	3.3
23	17.0	27.2	20.1	82.0	9.0	0.0	9.0	3.4
24	15.3	26.8	20.7	80.7	.5	11.8	12.3	7.6
25	17.0	26.6	20.2	82.0	0.0	3.0	3.0	1.9
26	17.0	25.4	19.9	83.3	0.0	7.0	7.0	4.2
27	16.8	27.2	20.0	84.0	11.0	7.1	18.1	5.7
28	16.5	25.5	20.3	83.7	0.0	38.0	38.0	2.1
29	16.0	24.8	19.7	82.0	0.0	.1	.1	.8
30	16.7	26.3	20.7	82.7	0.0	7.3	7.3	4.4
31								
Total :					74.9	276.0	350.9	137.2
Promedio :	16.3	26.8	20.6	80.9				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.5	24.4	19.8	86.3	1.0	0.0	1.0	1.5
2	16.4	26.0	20.1	83.7	0.0	0.0	0.0	3.1
3	15.7	28.5	21.2	74.7	0.0	1.9	1.9	6.7
4	17.3	27.5	21.1	81.3	0.0	0.0	0.0	3.8
5	16.4	27.0	20.1	84.7	.1	66.7	66.8	1.8
6	15.3	27.5	18.2	90.0	3.2	.3	3.5	0.0
7	15.7	26.7	19.7	82.3	.8	0.0	.8	4.4
8	16.4	29.2	20.8	77.7	0.0	0.0	0.0	6.2
9	17.5	28.5	21.2	79.3	3.8	0.0	3.8	6.1
10	16.2	26.5	20.4	82.0	1.1	2.5	3.6	5.0
11	17.3	26.8	20.5	77.7	0.0	13.7	13.7	5.4
12	15.6	28.1	20.3	78.7	0.0	12.3	12.3	6.6
13	16.8	28.3	21.0	78.0	0.0	1.4	1.4	6.7
14	17.3	28.4	21.4	78.7	0.0	.7	.7	4.3
15	17.5	26.0	20.2	82.3	6.9	22.4	29.3	3.5
16	15.6	24.5	19.1	82.3	2.3	1.3	3.6	1.2
17	16.6	25.7	19.4	86.7	0.0	0.0	0.0	2.5
18	16.0	28.3	21.2	75.7	0.0	21.5	21.5	6.5
19	15.4	28.5	20.4	75.7	0.0	3.1	3.1	5.4
20	17.0	26.3	20.6	84.0	0.0	0.0	0.0	4.8
21	17.1	28.4	19.8	89.0	1.7	0.0	1.7	4.7
22	16.2	25.9	20.0	85.3	0.0	6.9	6.9	3.5
23	17.0	26.4	20.3	83.0	.4	0.0	.4	1.9
24	17.1	25.2	20.4	83.3	0.0	0.0	0.0	.7
25	17.0	25.0	19.0	86.3	4.2	0.0	4.2	2.9
26	15.4	27.6	20.6	80.3	0.0	7.9	7.9	6.0
27	16.6	28.0	21.1	83.3	0.0	3.4	3.4	6.4
28	17.0	26.6	20.6	84.7	.1	32.8	32.9	3.2
29	15.0	27.2	20.1	79.0	0.0	.6	.6	8.3
30	16.0	25.1	20.0	85.0	4.1	.1	4.2	5.0
31	16.3	28.4	21.6	78.0	0.0	.7	.7	5.6
Total :					29.7	200.2	229.9	133.7
Promedio :	16.4	27.0	20.3	81.9				

Estación : EL TRAPICHE
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : BOLIVAR

Latitud : 5 ° 48 'N
Longitud : 76 ° 1 'W
Altitud : 1320 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.6	29.0	21.6	79.7	0.0	0.0	0.0	5.7
2	16.4	28.6	21.2	78.0	0.0	.4	.4	5.9
3	16.7	28.0	21.5	79.0	0.0	7.0	7.0	4.9
4	16.2	27.0	20.8	86.0	0.0	0.0	0.0	8.3
5	17.3	29.0	22.0	76.0	0.0	0.0	0.0	8.4
6	18.4	26.0	20.4	83.7	.6	1.5	2.1	1.7
7	17.0	22.6	19.0	90.3	2.0	0.0	2.0	1.6
8	17.4	24.7	19.8	90.7	.8	32.2	33.0	1.5
9	16.9	28.6	20.8	81.3	1.0	26.9	27.9	5.8
10	16.7	29.6	21.7	78.3	0.0	48.6	48.6	7.9
11	15.7	24.8	19.2	83.7	5.7	.4	6.1	1.2
12	16.0	26.5	18.8	86.0	3.7	24.2	27.9	5.0
13	15.8	24.0	18.2	87.7	4.2	0.0	4.2	.2
14	15.2	29.0	21.0	80.7	.9	23.0	23.9	8.3
15	16.4	23.0	18.7	88.0	2.7	0.0	2.7	.5
16	15.2	26.3	20.0	82.3	5.7	6.7	12.4	5.3
17	16.0	27.2	20.1	81.7	0.0	13.8	13.8	7.4
18	16.6	24.4	19.2	89.0	.4	16.0	16.4	3.4
19	17.0	26.0	19.8	86.0	0.0	4.4	4.4	1.8
20	16.8	24.6	20.0	91.7	2.2	6.8	9.0	3.5
21	17.0	26.6	20.4	82.3	.4	0.0	.4	5.9
22	17.8	25.6	20.3	85.7	4.3	.2	4.5	3.3
23	17.0	27.8	20.8	83.0	1.0	7.8	8.8	6.4
24	17.2	25.6	18.7	90.0	.5	2.2	2.7	3.0
25	15.0	24.2	19.0	85.0	.2	1.4	1.6	1.6
26	15.8	27.8	20.6	79.0	0.0	0.0	0.0	7.1
27	16.0	28.2	21.5	74.7	0.0	5.3	5.3	7.3
28	17.8	29.0	21.3	74.7	0.0	0.0	0.0	6.6
29	17.2	30.0	21.3	74.3	0.0	.3	.3	6.0
30	17.7	27.9	21.2	81.0	0.0	30.0	30.0	5.1
31								
Total :					36.3	259.1	295.4	140.6
Promedio :	16.6	26.7	20.3	83.0				

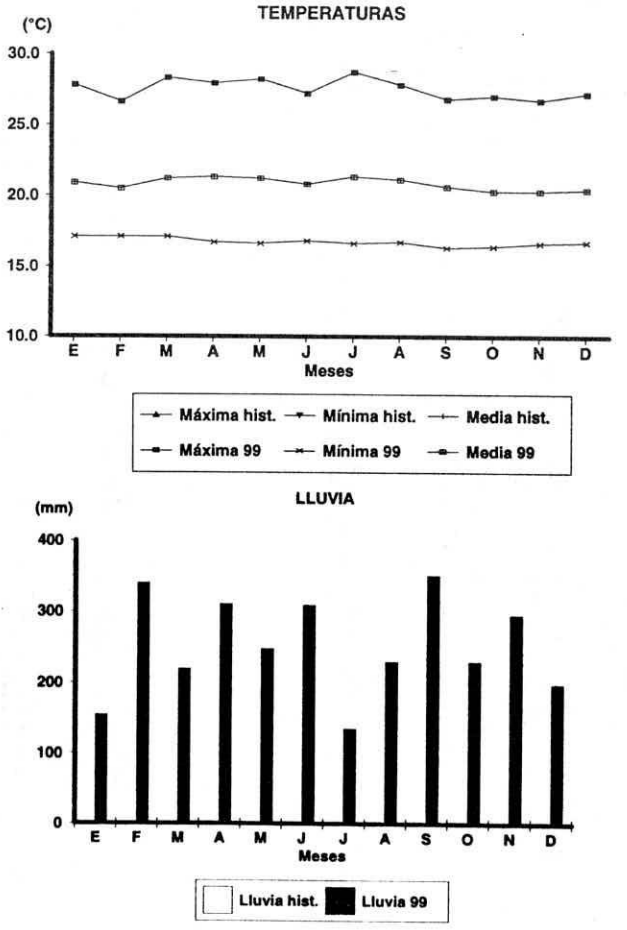
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.6	23.0	19.1	87.0	6.0	0.0	6.0	.3
2	16.4	26.6	20.0	87.0	10.0	15.0	25.0	3.1
3	16.2	28.0	20.8	81.7	0.0	3.0	3.0	6.7
4	17.4	26.6	21.0	85.7	3.0	43.0	46.0	3.1
5	17.2	27.0	20.6	82.3	0.0	2.0	2.0	6.5
6	15.2	27.6	20.4	81.3	0.0	6.0	6.0	5.2
7	17.1	28.0	21.0	80.7	0.0	0.0	0.0	5.8
8	16.2	28.8	20.6	81.0	0.0	0.0	0.0	7.0
9	17.2	28.2	20.8	82.0	0.0	0.0	0.0	4.4
10	18.0	27.0	21.1	83.3	0.0	0.0	0.0	2.9
11	17.0	26.8	21.0	84.7	0.0	4.0	4.0	5.2
12	17.6	26.6	20.8	84.3	0.0	0.0	0.0	2.1
13	17.0	28.4	20.5	85.0	0.0	18.0	18.0	3.7
14	17.0	26.0	20.0	88.0	0.0	0.0	0.0	2.6
15	16.0	27.0	20.1	81.7	7.0	14.0	21.0	3.3
16	17.0	28.9	20.3	84.0	0.0	3.0	3.0	4.2
17	17.0	29.0	21.1	81.0	0.0	17.0	17.0	7.7
18	17.2	27.8	20.3	85.3	0.0	5.0	5.0	3.0
19	17.0	28.1	20.9	83.0	0.0	4.0	4.0	8.5
20	18.0	27.6	20.8	85.3	1.3	0.0	1.3	4.9
21	17.0	29.1	21.5	82.3	0.0	2.8	2.8	7.5
22	17.6	25.2	20.5	88.7	14.6	.5	15.1	.1
23	16.8	28.0	20.4	81.0	0.0	2.8	2.8	6.9
24	17.0	23.9	18.8	89.7	6.1	9.5	15.6	.7
25	16.0	21.8	18.6	86.3	.5	0.0	.5	.1
26	14.2	27.9	19.9	78.7	0.0	0.0	0.0	6.2
27	16.2	28.0	20.0	76.0	0.0	0.0	0.0	7.5
28	15.1	26.8	20.1	77.0	0.0	0.0	0.0	7.0
29	15.4	26.9	19.3	79.7	0.0	0.0	0.0	5.3
30	16.0	29.4	21.3	72.7	0.0	0.0	0.0	8.7
31	16.8	29.9	21.4	77.7	0.0	0.0	0.0	8.7
Total :					48.5	149.6	198.1	148.9
Promedio :	16.7	27.2	20.4	82.7				

Estación : EL TRAPICHE
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : BOLIVAR

Latitud : 5 ° 48 'N
Longitud : 76 ° 1 'W
Altitud : 1320 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	17.1	27.8	20.9	31.2	14.2	79.6	154.5	21	134.2
Febrero	17.1	26.6	20.5	30.0	15.4	81.9	340.1	25	89.7
Marzo	17.1	28.3	21.2	30.8	15.5	77.8	219.4	20	151.0
Abril	16.7	27.9	21.3	31.3	14.6	77.6	310.5	22	150.3
Mayo	16.6	28.2	21.2	31.4	14.6	78.0	247.9	25	189.8
Junio	16.8	27.2	20.8	29.8	15.0	81.1	308.8	26	132.4
Julio	16.6	28.7	21.3	31.8	15.5	76.6	135.1	19	211.0
Agosto	16.7	27.8	21.1	30.5	14.9	79.6	230.0	25	172.9
Septiembre	16.3	26.8	20.6	30.2	14.5	80.9	350.9	29	137.2
Octubre	16.4	27.0	20.3	29.2	15.0	81.9	229.9	25	133.7
Noviembre	16.6	26.7	20.3	30.0	15.0	83.0	295.4	25	140.6
Diciembre	16.7	27.2	20.4	29.9	14.2	82.7	198.1	19	148.9
Promedio :	16.7	27.5	20.8			80.1			
Absoluta :				31.8	14.2				
Total :							3020.6	281	1791.7



Estación : LA CUMBRE
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : TAMESIS

Latitud : 5 ° 45 'N
Longitud : 75 ° 42 'W
Altitud : 1650 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.2	24.4	20.0	91.0	0.0	12.9	12.9	3.4
2	16.4	23.6	18.8	93.0	0.0	0.0	0.0	1.9
3	16.2	24.0	19.2	92.3	0.0	1.0	1.0	2.2
4	16.8	24.8	20.4	81.7	0.0	17.0	17.0	4.1
5	16.0	21.8	18.6	92.0	12.3	27.3	39.6	1.6
6	15.6	24.8	19.7	83.7	0.0	0.0	0.0	5.6
7	17.0	25.9	20.0	81.7	0.0	4.5	4.5	5.1
8	15.4	24.4	18.6	91.7	2.2	10.2	12.4	1.9
9	16.0	21.4	18.2	90.7	.2	2.9	3.1	.1
10	16.4	23.0	18.0	90.7	10.9	.1	11.0	.8
11	14.8	23.8	18.1	90.7	0.0	0.0	0.0	2.3
12	15.8	23.2	18.4	89.3	0.0	0.0	0.0	3.1
13	15.4	24.4	19.4	84.3	0.0	0.0	0.0	5.4
14	15.8	22.2	19.2	79.3	0.0	0.0	0.0	2.4
15	15.0	23.4	18.4	76.7	0.0	0.0	0.0	5.9
16	15.1	20.2	16.4	93.0	0.0	0.0	0.0	.1
17	15.2	23.6	19.5	75.3	0.0	0.0	0.0	5.1
18	16.2	26.0	21.2	74.0	0.0	0.0	0.0	7.9
19	16.8	25.6	20.7	76.0	0.0	0.0	0.0	5.0
20	16.4	25.4	20.0	84.3	0.0	5.4	5.4	4.3
21	16.2	25.2	20.0	87.3	0.0	.2	.2	4.8
22	16.6	24.2	19.5	89.0	0.0	0.0	0.0	3.2
23	16.8	24.8	20.3	85.0	0.0	0.0	0.0	2.8
24	16.4	22.6	19.0	89.7	.5	4.4	4.9	.9
25	15.2	22.8	19.5	88.0	0.0	0.0	0.0	1.2
26	16.4	25.8	20.7	81.7	0.0	0.0	0.0	5.7
27	16.8	23.8	19.3	88.7	0.0	1.7	1.7	2.7
28	16.0	18.6	17.7	93.3	3.7	1.5	5.2	0.0
29	15.8	25.8	20.2	87.3	.1	2.2	2.3	4.6
30	16.2	26.8	21.5	80.0	0.0	0.0	0.0	7.1
31	17.0	25.8	20.7	84.3	0.0	0.0	0.0	5.5
Total :					29.9	91.3	121.2	106.7
Promedio :	16.1	23.9	19.4	86.0				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.4	23.8	20.3	91.7	0.0	0.0	0.0	.5
2	16.6	24.0	19.8	86.7	0.0	3.4	3.4	2.4
3	16.4	24.6	19.8	90.3	0.0	4.2	4.2	1.7
4	16.2	23.8	19.3	93.0	2.0	0.0	2.0	1.5
5	16.6	24.4	19.7	85.7	0.0	2.5	2.5	2.8
6	15.8	19.4	17.3	96.3	3.6	3.5	7.1	0.0
7	15.6	22.4	18.8	87.3	5.1	.4	5.5	1.4
8	16.6	27.0	21.2	81.7	0.0	0.0	0.0	5.1
9	16.4	25.2	21.4	81.0	0.0	7.9	7.9	4.2
10	15.0	18.8	17.2	90.0	.7	0.0	.7	0.0
11	16.2	24.0	19.9	81.0	0.0	0.0	0.0	2.1
12	16.8	20.2	18.3	87.7	.1	0.0	.1	0.0
13	16.5	21.4	18.7	89.0	0.0	78.8	78.8	0.0
14	13.6	20.8	17.6	86.3	.9	2.1	3.0	1.0
15	15.8	22.8	18.5	88.7	.1	11.1	11.2	.7
16	15.9	19.6	17.4	94.0	.6	4.3	4.9	.1
17	15.6	18.6	17.2	86.7	.8	.3	1.1	0.0
18	15.2	23.8	18.7	84.3	0.0	15.4	15.4	3.1
19	15.4	23.2	18.3	85.7	9.1	21.8	30.9	2.7
20	15.0	20.0	17.3	93.7	11.6	.8	12.4	0.0
21	15.2	22.4	18.8	87.7	0.0	14.5	14.5	1.0
22	14.8	23.2	18.4	91.0	0.0	.3	.3	3.0
23	15.8	23.8	19.0	84.0	0.0	0.0	0.0	3.0
24	16.0	22.0	18.5	93.0	.2	51.3	51.5	1.6
25	14.6	23.8	18.4	85.7	0.0	4.4	4.4	2.2
26	16.0	24.0	19.4	86.3	.9	6.4	7.3	2.1
27	15.6	23.6	18.0	89.0	0.0	72.8	72.8	2.3
28	15.8	21.4	18.4	88.7	1.5	23.7	25.2	1.8
29								
30								
31								
Total :					37.2	329.9	367.1	46.3
Promedio :	15.8	22.6	18.8	88.1				

Estación : LA CUMBRE
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : TAMESIS

Latitud : 5 ° 45 'N
Longitud : 75 ° 42 'W
Altitud : 1650 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	22.0	17.8	85.7	1.2	0.0	1.2	.7
2	15.8	23.8	19.6	81.3	.3	0.0	.3	3.5
3	16.2	26.2	21.0	78.7	0.0	5.4	5.4	4,5
4	16.2	25.4	20.3	87.3	0.0	25.6	25.6	4.9
5	15.2	26.2	20.6	82.0	0.0	0.0	0.0	9.6
6	16.9	28.0	21.8	80.7	0.0	0.0	0.0	7.5
7	17.0	24.6	21.0	81.0	0.0	0.0	0.0	3.4
8	16.8	25.0	21.0	77.0	0.0	0.0	0.0	6.1
9	16.4	21.8	18.4	88.7	1.9	0.0	1.9	.3
10	15.8	23.9	18.9	87.0	2.3	7.1	9.4	.5
11	14.8	23.2	20.0	75.0	0.0	0.0	0.0	2.1
12	17.6	26.2	21.4	74.7	0.0	0.0	0.0	4.4
13	17.8	24.8	20.4	86.7	0.0	0.0	0.0	1.4
14	15.6	26.2	20.8	78.3	0.0	3.0	3.0	6.5
15	15.8	22.2	18.0	92.3	1.0	14.0	15.0	1.0
16	14.8	22.8	18.8	92.0	0.0	10.1	10.1	1.7
17	16.2	24.9	18.8	90.0	3.5	15.5	19.0	3.4
18	15.0	21.2	17.8	87.7	0.0	0.0	0.0	.5
19	15.2	23.2	17.4	92.7	6.7	5.4	12.1	1.5
20	15.0	22.0	18.8	88.3	0.0	0.0	0.0	1.6
21	16.7	23.0	19.8	82.7	0.0	3.6	3.6	1.7
22	16.0	24.8	19.6	83.0	0.0	0.0	0.0	2.0
23	16.9	23.6	20.3	84.0	0.0	0.0	0.0	1.3
24	16.4	23.6	20.6	81.3	0.0	1.3	1.3	2.4
25	16.8	24.9	21.0	90.0	0.0	0.0	0.0	1.1
26	17.4	26.7	21.7	80.7	0.0	0.0	0.0	4.1
27	17.6	21.6	19.6	84.0	0.0	2.0	2.0	0.0
28	17.2	23.0	19.0	92.7	.2	19.3	19.5	1.6
29	15.6	24.6	19.7	88.0	0.0	0.0	0.0	3.2
30	16.6	25.2	20.8	80.3	0.0	.5	.5	5.2
31	16.2	24.0	19.8	90.3	0.0	0.0	0.0	1.5
Total :					17.1	112.8	129.9	89.2
Promedio :	16.2	24.1	19.8	84.6				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.2	23.4	20.3	86.3	0.0	.1	.1	.3
2	17.0	26.1	21.0	84.7	0.0	12.1	12.1	2.7
3	15.0	21.3	18.4	78.3	1.3	0.0	1.3	0.0
4	15.2	23.8	17.8	89.3	25.7	1.8	27.5	3.1
5	15.0	23.6	19.6	81.7	0.0	0.0	0.0	5.1
6	16.6	25.7	20.9	80.0	0.0	1.2	1.2	5.2
7	17.0	24.6	20.5	84.3	0.0	60.5	60.5	3.4
8	14.8	20.0	17.8	87.3	.2	2.2	2.4	.1
9	15.8	21.2	17.8	91.0	10.1	.4	10.5	.1
10	16.0	20.4	17.8	95.7	.4	3.6	4.0	.1
11	15.1	23.0	19.7	87.0	0.0	30.3	30.3	2.5
12	15.4	24.9	20.6	84.0	0.0	5.9	5.9	3.5
13	15.2	23.8	19.9	73.0	0.0	23.8	23.8	3.3
14	16.8	22.8	19.8	87.0	0.0	8.1	8.1	.8
15	15.8	23.4	19.3	89.7	0.0	0.0	0.0	2.4
16	16.2	27.8	21.8	64.7	0.0	0.0	0.0	7.4
17	17.8	27.9	22.1	53.3	0.0	0.0	0.0	10.1
18	17.8	28.0	22.1	64.0	0.0	0.0	0.0	7.6
19	18.8	29.4	23.3	66.0	0.0	0.0	0.0	8.8
20	18.0	25.8	20.8	86.0	0.0	0.0	0.0	5.5
21	16.9	27.6	21.9	75.0	0.0	0.0	0.0	7.9
22	17.9	28.4	22.6	75.0	0.0	0.0	0.0	8.0
23	19.7	24.6	21.0	77.3	0.0	37.6	37.6	.9
24	15.6	22.4	18.1	91.3	0.0	29.3	29.3	1.1
25	15.0	20.4	18.5	85.7	.2	4.9	5.1	.5
26	15.6	21.4	18.0	91.3	3.1	1.0	4.1	.7
27	15.6	20.2	17.5	90.3	.3	0.0	.3	.3
28	15.0	24.0	18.7	90.7	14.9	.6	15.5	2.8
29	15.2	25.4	19.4	88.3	0.0	17.9	17.9	3.0
30	15.0	20.6	16.8	89.7	2.4	0.0	2.4	.3
31								
Total :					58.6	241.3	299.9	97.5
Promedio :	16.3	24.1	19.8	82.3				

Estación : LA CUMBRE
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : TAMESIS

Latitud : 5 ° 45 'N
Longitud : 75 ° 42 'W
Altitud : 1650 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	23.3	19.6	83.7	0.0	4.8	4.8	3.2
2	16.0	20.8	17.8	93.3	.4	.5	.9	1.1
3	15.8	23.2	19.5	85.3	.3	46.6	46.9	3.4
4	15.2	20.0	17.2	94.0	.5	0.0	.5	.5
5	15.0	23.9	19.0	82.0	4.4	2.4	6.8	1.3
6	15.4	24.0	19.4	87.7	0.0	16.8	16.8	3.7
7	15.2	23.2	18.4	88.3	.4	3.3	3.7	3.0
8	16.0	23.8	18.6	91.0	0.0	9.9	9.9	3.0
9	15.6	21.2	17.5	89.3	.5	4.3	4.8	.6
10	15.0	20.4	17.4	89.3	17.7	.3	18.0	.5
11	15.8	21.8	17.6	95.0	8.5	14.1	22.6	.5
12	15.2	22.8	19.0	83.0	0.0	12.7	12.7	3.7
13	15.4	22.7	18.2	93.0	0.0	20.4	20.4	2.1
14	15.2	23.9	19.0	88.3	0.0	.1	.1	5.7
15	14.0	24.0	20.0	85.3	0.0	43.1	43.1	2.9
16	16.0	24.8	20.2	87.3	.1	2.6	2.7	4.0
17	16.6	24.2	20.8	80.7	0.0	0.0	0.0	6.0
18	17.0	23.8	20.2	87.0	0.0	15.1	15.1	2.6
19	16.8	24.2	19.2	90.3	.2	0.0	.2	3.9
20	16.0	24.0	20.0	87.0	0.0	14.3	14.3	3.1
21	15.8	23.2	19.0	94.3	.2	0.0	.2	3.0
22	16.6	24.9	20.0	87.0	0.0	0.0	0.0	2.8
23	16.8	26.0	21.0	87.3	0.0	0.0	0.0	3.3
24	18.0	27.8	22.6	74.7	0.0	0.0	0.0	7.3
25	17.6	27.2	21.8	80.3	0.0	8.3	8.3	8.6
26	16.9	26.4	21.8	74.7	0.0	0.0	0.0	7.2
27	17.7	26.3	21.5	84.7	0.0	6.4	6.4	8.7
28	16.8	24.3	20.5	89.3	0.0	0.0	0.0	1.6
29	17.9	22.4	20.6	84.3	.1	38.6	38.7	.5
30	15.6	23.0	18.6	95.0	.3	1.6	1.9	2.3
31	15.8	23.8	19.9	84.7	0.0	4.9	4.9	1.4
Total :					33.6	271.1	304.7	101.5
Promedio :	16.1	23.7	19.5	87.0				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.2	23.6	19.6	88.7	0.0	9.1	9.1	1.6
2	16.0	25.8	20.4	89.0	0.0	0.0	0.0	4.4
3	17.0	25.0	21.0	82.0	7.4	2.8	10.2	7.2
4	16.8	21.0	18.0	94.3	.5	17.8	18.3	.3
5	15.0	22.0	17.9	90.0	0.0	28.5	28.5	.6
6	15.8	22.2	18.3	91.7	0.0	10.0	10.0	1.4
7	16.2	24.2	18.5	91.0	4.2	29.6	33.8	3.1
8	15.6	22.5	19.2	85.3	2.9	12.5	15.4	1.3
9	14.0	24.0	19.8	91.0	5.0	55.9	60.9	3.6
10	13.9	24.4	19.4	80.0	0.0	4.5	4.5	4.5
11	16.4	22.4	19.1	87.0	0.0	19.7	19.7	1.7
12	15.2	22.2	18.9	89.3	.7	0.0	.7	.8
13	16.4	21.8	18.8	94.0	.3	.5	.8	.4
14	15.6	21.4	18.0	94.3	0.0	0.0	0.0	1.1
15	16.0	21.6	17.8	93.0	0.0	5.8	5.8	.1
16	16.0	22.2	18.0	91.7	0.0	.1	.1	1.8
17	15.8	23.8	19.5	85.3	0.0	3.6	3.6	3.7
18	14.8	18.4	17.0	90.7	.1	5.9	6.0	0.0
19	15.4	23.6	18.7	92.7	0.0	0.0	0.0	3.9
20	16.0	23.2	19.6	90.3	0.0	19.3	19.3	1.5
21	15.6	21.8	18.4	89.7	.8	2.3	3.1	.4
22	15.8	25.2	19.8	91.3	0.0	0.0	0.0	4.7
23	16.8	24.9	20.0	86.3	0.0	13.7	13.7	5.5
24	16.0	23.8	19.1	92.3	.3	5.0	5.3	1.8
25	15.8	24.4	19.6	90.7	0.0	20.7	20.7	3.5
26	15.2	23.0	17.6	90.7	5.5	16.0	21.5	2.6
27	15.0	20.8	18.3	86.3	1.0	12.5	13.5	.3
28	14.8	19.6	16.7	88.3	.7	0.0	.7	.2
29	15.2	23.2	19.5	88.0	0.0	.2	.2	5.3
30	15.8	25.0	19.9	84.0	0.0	21.2	21.2	4.9
31								
Total :					29.4	317.2	346.6	72.2
Promedio :	15.7	22.9	18.9	89.3				

Estación : LA CUMBRE
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : TAMESIS

Latitud : 5 ° 45 'N
Longitud : 75 ° 42 'W
Altitud : 1650 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	13.8	22.2	17.4	89.0	0.0	6.5	6.5	1.7
2	15.2	23.2	19.4	91.7	.2	2.6	2.8	4.7
3	15.0	23.0	18.4	89.0	0.0	.2	.2	2.6
4	15.8	25.2	20.2	85.0	0.0	0.0	0.0	6.8
5	16.2	24.8	19.6	83.0	0.0	0.0	0.0	5.4
6	15.8	23.0	19.5	82.7	4.9	6.4	11.3	2.6
7	16.0	21.0	18.0	93.3	7.3	.9	8.2	.1
8	15.0	22.0	18.8	91.7	0.0	5.8	5.8	.8
9	15.1	23.0	19.0	82.0	0.0	0.0	0.0	2.5
10	15.4	24.5	20.0	79.7	0.0	0.0	0.0	5.1
11	16.0	24.9	19.8	85.0	0.0	15.4	15.4	5.7
12	15.8	23.8	19.0	90.0	0.0	0.0	0.0	2.4
13	16.0	26.8	21.8	73.0	0.0	0.0	0.0	8.3
14	16.9	28.4	22.2	65.7	0.0	0.0	0.0	8.6
15	17.0	25.8	21.9	70.7	0.0	0.0	0.0	9.8
16	16.4	24.2	20.3	79.7	0.0	0.0	0.0	7.4
17	16.8	26.8	21.6	77.3	0.0	6.5	6.5	8.5
18	14.8	24.2	19.3	87.3	0.0	0.0	0.0	4.5
19	16.7	24.6	20.5	80.7	0.0	34.1	34.1	4.5
20	14.8	23.4	19.0	87.3	0.0	.2	.2	3.2
21	16.4	24.6	20.3	89.7	0.0	0.0	0.0	3.4
22	17.0	25.0	20.6	86.7	0.0	2.0	2.0	5.7
23	16.6	24.8	19.2	85.0	.2	0.0	.2	3.4
24	15.4	23.9	19.7	89.3	0.0	0.0	0.0	3.6
25	17.0	27.0	22.0	76.3	0.0	0.0	0.0	6.3
26	17.2	26.6	21.4	80.0	0.0	7.1	7.1	5.8
27	16.0	24.9	20.7	88.7	0.0	0.0	0.0	5.1
28	16.7	25.0	21.0	83.0	0.0	2.2	2.2	3.7
29	17.4	24.0	20.6	87.7	0.0	0.0	0.0	3.0
30	16.0	26.3	20.9	80.3	0.0	1.8	1.8	5.7
31	16.2	25.8	19.6	90.0	0.0	9.9	9.9	3.5
Total					12.6	101.6	114.2	144.4
Promedio :	16.0	24.6	20.1	83.9				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.6	24.4	20.2	83.7	0.0	0.0	0.0	3.8
2	16.4	24.8	20.2	82.7	0.0	29.1	29.1	3.1
3	15.8	22.9	19.1	86.3	0.0	9.8	9.8	1.3
4	15.4	23.2	19.7	91.0	0.0	30.6	30.6	3.5
5	15.8	24.0	19.6	90.3	0.0	1.6	1.6	3.1
6	15.7	23.9	19.0	92.3	0.0	27.3	27.3	2.7
7	13.8	21.6	17.6	86.7	0.0	0.0	0.0	3.1
8	16.4	24.2	19.2	93.7	0.0	0.0	0.0	3.4
9	16.0	23.8	19.2	88.7	0.0	0.0	0.0	2.0
10	16.2	26.0	20.8	83.3	0.0	0.0	0.0	6.6
11	15.6	26.2	20.9	80.0	0.0	0.0	0.0	4.4
12	17.0	26.4	20.8	82.0	0.0	0.0	0.0	3.9
13	16.0	24.9	19.3	87.7	1.2	45.1	46.3	5.4
14	15.0	23.8	19.3	88.7	.3	47.1	47.4	4.2
15	14.8	20.6	17.4	93.0	0.0	0.0	0.0	.7
16	16.0	24.6	20.0	86.0	0.0	2.2	2.2	3.8
17	16.2	24.4	19.8	87.3	0.0	0.0	0.0	3.2
18	15.8	24.3	19.8	84.0	0.0	6.9	6.9	4.2
19	16.0	22.2	18.7	93.3	0.0	2.1	2.1	1.6
20	15.3	24.0	19.9	88.7	0.0	26.7	26.7	2.8
21	14.8	20.6	16.9	95.3	3.4	1.2	4.6	0.0
22	14.2	23.1	18.8	75.7	0.0	0.0	0.0	3.0
23	16.6	24.8	19.6	80.0	.3	.7	1.0	4.4
24	15.8	22.6	19.0	92.0	0.0	0.0	0.0	1.1
25	15.6	21.8	18.2	88.7	8.2	1.7	9.9	.8
26	15.2	21.4	18.2	87.7	0.0	9.4	9.4	.8
27	16.0	22.8	19.0	83.7	0.0	0.0	0.0	2.5
28	16.1	19.6	17.4	93.3	.6	0.0	.6	0.0
29	16.0	25.6	20.3	86.0	0.0	0.0	0.0	3.1
30	17.2	25.8	21.2	82.0	0.0	0.0	0.0	2.8
31	16.2	25.9	21.0	78.7	0.0	0.0	0.0	4.2
Total					14.0	241.5	255.5	89.5
Promedio	15.8	23.7	19.4	86.9				

Estación : LA CUMBRE
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : TAMESIS

Latitud : 5 ° 45 'N
Longitud : 75 ° 42 'W
Altitud : 1650 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.4	23.9	19.8	87.0	0.0	33.1	33.1	2.2
2	15.8	22.0	18.6	89.3	.3	25.2	25.5	1.5
3	15.4	20.5	17.8	90.0	0.0	.4	.4	.1
4	15.0	23.2	19.6	83.0	0.0	22.6	22.6	3.8
5	14.0	23.0	19.0	76.7	.1	0.0	.1	2.8
6	15.4	24.0	20.8	81.7	0.0	.7	.7	6.8
7	15.8	23.4	19.4	92.0	0.0	31.8	31.8	1.8
8	14.2	21.0	18.0	90.0	0.0	1.1	1.1	1.0
9	15.4	23.0	19.0	89.3	.2	11.9	12.1	1.8
10	15.0	20.8	18.4	88.7	1.9	6.5	8.4	.4
11	15.8	23.2	18.5	93.3	.3	48.8	49.1	2.6
12	15.2	20.6	16.9	93.3	6.5	0.0	6.5	0.0
13	15.4	20.6	17.8	91.7	0.0	49.3	49.3	.1
14	15.0	19.2	17.2	88.0	.6	.2	.8	.6
15	15.2	22.8	18.6	85.7	.4	0.0	.4	2.7
16	16.2	24.6	20.2	81.7	1.0	39.3	40.3	3.3
17	15.8	22.0	18.4	90.0	.3	0.0	.3	1.3
18	16.0	24.6	19.8	85.0	0.0	.1	.1	5.5
19	16.4	25.2	20.9	76.3	0.0	1.1	1.1	4.1
20	15.8	24.3	19.8	83.3	0.0	.6	.6	3.4
21	15.9	23.9	19.2	91.0	0.0	56.8	56.8	2.4
22	14.2	20.4	17.8	88.7	1.6	2.1	3.7	.5
23	15.8	22.0	17.4	89.0	8.2	.9	9.1	.7
24	14.4	22.4	18.9	83.7	0.0	22.5	22.5	2.3
25	15.2	22.6	18.2	84.3	.3	49.6	49.9	1.7
26	15.0	20.2	17.9	86.7	0.0	36.9	36.9	.3
27	14.6	22.6	17.6	89.0	2.9	2.5	5.4	2.5
28	14.8	20.2	17.3	92.0	1.1	8.3	9.4	.1
29	14.6	21.0	17.6	89.3	.4	.6	1.0	.3
30	16.0	22.4	19.0	87.0	0.0	19.0	19.0	.6
31								
Total					26.1	471.9	498.0	57.2
Promedio	15.4	22.3	18.6	87.2				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.2	19.6	16.4	89.7	7.8	0.0	7.8	.2
2	15.8	22.4	18.2	90.7	0.0	0.0	0.0	1.3
3	15.7	24.0	20.0	82.3	0.0	1.5	1.5	2.9
4	16.2	23.8	19.2	81.7	0.0	0.0	0.0	2.8
5	15.8	22.4	19.0	84.3	0.0	14.8	14.8	1.5
6	14.0	20.4	16.1	88.7	13.0	0.0	13.0	.3
7	14.2	21.8	17.4	92.3	2.5	0.0	2.5	1.5
8	15.4	23.8	19.3	87.3	0.0	0.0	0.0	3.4
9	16.6	24.2	19.9	83.0	0.0	18.3	18.3	4.0
10	15.6	22.0	18.1	90.7	0.0	31.8	31.8	1.2
11	15.2	22.2	18.8	85.3	.5	7.0	7.5	2.5
12	15.8	24.2	19.8	85.0	0.0	0.0	0.0	3.9
13	16.2	24.9	20.2	84.0	0.0	.8	.8	4.0
14	16.4	23.6	20.4	85.0	0.0	2.6	2.6	1.4
15	16.4	21.4	18.7	91.0	.7	35.7	36.4	1.1
16	14.5	19.2	17.4	91.3	.2	.1	.3	.1
17	15.6	22.8	18.5	85.7	0.0	0.0	0.0	.9
18	16.0	23.4	18.6	88.3	0.0	5.8	5.8	4.1
19	15.4	23.8	19.8	79.3	0.0	37.2	37.2	5.3
20	16.0	23.4	19.1	87.7	0.0	2.5	2.5	3.6
21	16.2	22.0	18.5	89.7	.2	.6	.8	1.2
22	16.2	21.8	18.4	90.7	5.5	16.7	22.2	1.6
23	14.0	20.6	17.7	90.3	.3	0.0	.3	.4
24	16.1	22.8	17.6	92.3	.5	0.0	.5	.8
25	16.2	21.8	18.2	91.0	0.0	1.3	1.3	1.5
26	16.4	21.9	19.2	84.3	0.0	15.6	15.6	.7
27	15.4	23.2	19.0	88.7	0.0	32.0	32.0	2.3
28	15.2	22.0	18.4	89.3	.1	1.0	1.1	.8
29	15.4	21.6	18.8	87.7	.1	9.7	9.8	1.3
30	15.0	20.8	17.5	88.7	8.1	0.0	8.1	1.1
31	15.4	22.9	19.3	87.3	0.0	0.0	0.0	.8
Total					39.5	235.0	274.5	58.5
Promedio	15.6	22.4	18.6	87.5				

Estación : LA CUMBRE
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : TAMESIS

Latitud : 5 ° 45 'N
Longitud : 75 ° 42 'W
Altitud : 1650 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.2	24.2	20.2	84.0	0.0	.5	.5	2.0
2	17.0	23.8	19.8	92.0	0.0	6.7	6.7	2.1
3	15.8	23.0	19.2	88.7	0.0	28.5	28.5	2.1
4	15.9	23.1	19.1	90.0	.3	2.2	2.5	1.9
5	16.0	24.2	20.0	86.7	0.0	22.2	22.2	2.9
6	16.2	22.2	18.8	91.3	8.8	4.2	13.0	.7
7	16.0	23.8	18.3	84.7	11.7	3.2	14.9	2.5
8	15.8	22.0	19.1	86.0	0.0	17.7	17.7	.4
9	16.4	25.0	20.8	86.7	0.0	4.7	4.7	3.6
10	16.6	25.6	20.7	82.0	0.0	7.5	7.5	4.5
11	16.1	21.8	18.8	88.0	0.0	0.0	0.0	.5
12	16.2	23.2	18.4	87.3	1.5	17.0	18.5	2.2
13	15.0	22.2	17.7	89.3	1.4	0.0	1.4	.8
14	16.0	25.0	20.4	79.7	0.0	1.5	1.5	5.9
15	15.2	20.0	17.8	87.0	.3	0.0	.3	.7
16	15.4	23.6	19.4	76.3	0.0	8.0	8.0	4.2
17	14.8	22.4	18.8	88.3	0.0	19.4	19.4	4.7
18	15.2	20.2	18.0	92.3	.2	30.4	30.6	.5
19	15.0	23.0	18.5	87.7	0.0	12.0	12.0	1.5
20	15.8	20.6	17.8	89.7	11.0	33.6	44.6	.7
21	15.0	21.9	17.2	92.3	2.9	10.9	13.8	1.8
22	15.6	21.8	18.0	92.0	.3	4.7	5.0	.8
23	15.8	23.0	18.5	85.3	1.6	14.1	15.7	3.0
24	15.0	22.4	18.0	87.0	.6	12.9	13.5	2.1
25	14.7	19.2	16.5	93.7	5.4	.2	5.6	.5
26	15.0	22.4	18.6	83.0	.2	0.0	.2	1.9
27	15.2	25.4	19.8	80.3	3.2	.2	3.4	6.0
28	16.2	25.8	20.4	83.3	0.0	0.0	0.0	5.6
29	16.2	25.2	20.6	82.3	0.0	.3	.3	5.8
30	16.2	23.9	19.3	89.0	27.6	14.0	41.6	2.2
31								
Total :					77.0	276.6	353.6	74.1
Promedio :	15.7	23.0	19.0	86.9				

Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.4	18.6	16.9	90.3	3.7	.2	3.9	0.0
2	15.2	21.4	18.2	90.0	.3	11.0	11.3	1.6
3	15.4	23.6	19.5	88.3	0.0	13.9	13.9	2.4
4	16.0	22.0	18.6	78.7	0.0	35.5	35.5	1.5
5	16.1	22.2	18.6	89.0	.4	15.5	15.9	1.8
6	15.2	24.6	18.7	88.3	0.0	7.1	7.1	3.1
7	16.4	23.2	19.6	89.7	0.0	0.0	0.0	2.0
8	16.2	26.2	20.7	89.7	0.0	0.0	0.0	5.2
9	17.2	24.4	20.5	86.0	0.0	1.3	1.3	2.5
10	17.0	22.0	18.9	93.0	0.0	37.7	37.7	.4
11	16.4	22.6	19.2	86.7	1.3	48.6	49.9	2.4
12	16.2	22.0	18.0	96.0	.5	9.6	10.1	.7
13	15.6	22.6	19.0	89.7	0.0	26.0	26.0	2.0
14	15.8	22.0	19.0	84.0	0.0	9.8	9.8	1.0
15	15.0	22.2	18.8	87.3	.2	18.7	18.9	2.7
16	15.6	23.0	19.0	82.3	.4	52.5	52.9	4.0
17	15.2	23.6	19.2	85.0	0.0	21.5	21.5	4.8
18	15.8	24.8	19.4	85.3	0.0	24.3	24.3	3.0
19	15.6	24.0	20.0	88.0	0.0	31.2	31.2	4.4
20	15.8	24.8	19.6	90.0	0.0	0.0	0.0	3.1
21	17.2	24.2	20.4	84.7	0.0	3.4	3.4	3.9
22	17.4	22.2	19.0	89.3	0.0	2.5	2.5	.5
23	15.8	23.8	19.8	82.3	0.0	0.0	0.0	6.1
24	16.0	21.0	17.2	91.0	1.2	46.7	47.9	.5
25	14.8	20.0	17.2	86.0	0.0	0.0	0.0	.3
26	15.0	22.9	18.8	87.0	0.0	0.0	0.0	3.3
27	16.0	24.6	18.6	82.7	0.0	0.0	0.0	4.1
28	15.4	25.0	19.4	74.0	0.0	5.1	5.1	5.2
29	15.0	21.7	18.1	85.3	0.0	0.0	0.0	3.3
30	15.2	25.8	20.4	76.7	0.0	0.0	0.0	8.5
31	16.0	25.0	20.4	80.3	0.0	0.0		6.1
Total :					8.0	422.1	430.1	90.4
Promedio :	15.8	23.1	19.1	86.3				

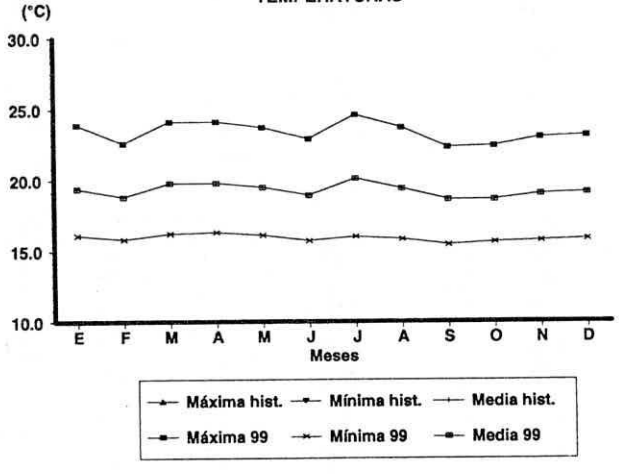
Estación : LA CUMBRE
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : TAMESIS

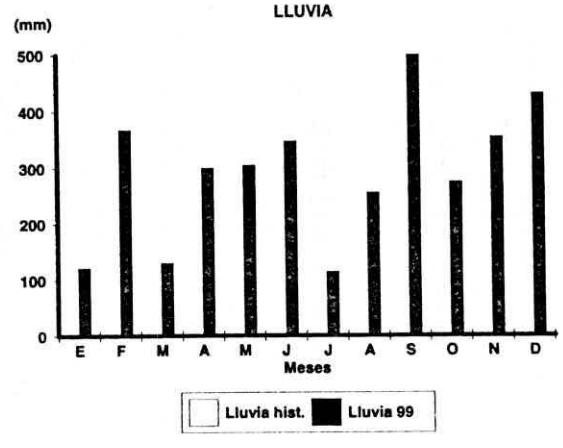
Latitud : 5 ° 45 'N
Longitud : 75 ° 42 'W
Altitud : 1650 m

MES	TEMPERATURA °C					Hum. Rel. (%	PRECIPITACION		Brillo Sol. (h)
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.		Total mm.	Dias Lluvia	
Enero	16.1	23.9	19.4	26.8	14.8	86.0	121.2	14	106.7
Febrero	15.8	22.6	18.8	27.0	13.6	88.1	367.1	24	46.3
Marzo	16.2	24.1	19.8	28.0	14.8	84.6	129.9	16	89.2
Abril	16.3	24.1	19.8	29.4	14.8	82.3	299.9	21	97.5
Mayo	16.1	23.7	19.5	27.8	14.0	87.0	304.7	25	101.5
Junio	15.7	22.9	18.9	25.8	13.9	89.3	346.6	26	72.2
Julio	16.0	24.6	20.1	28.4	13.8	83.9	114.2	16	144.4
Agosto	15.8	23.7	19.4	26.4	13.8	86.9	255.5	16	89.5
Septiembre	15.4	22.3	18.6	25.2	14.0	87.2	498.0	30	57.2
Octubre	15.6	22.4	18.6	24.9	14.0	87.5	274.5	25	58.5
Noviembre	15.7	23.0	19.0	25.8	14.7	86.9	353.6	28	74.1
Diciembre	15.8	23.1	19.1	26.2	14.8	86.3	430.1	21	90.4
Promedio :	15.9	23.4	19.3			86.3			
Absoluta :				29.4	13.6				
Total :							3495.3	262	1027.5

TEMPERATURAS



LLUVIA



Estación : LA CRISTALINA
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : TAMESIS

Latitud : 5 ° 43 'N
Longitud : 75 ° 41 'W
Altitud : 850 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.4	30.8	25.2	73.0	0.0	10.6	10.6	5.1
2	19.0	31.2	23.7	75.7	.4	1.4	1.8	6.8
3	19.5	30.1	24.1	77.3	0.0	3.3	3.3	3.1
4	20.2	33.0	25.3	66.0	0.0	12.5	12.5	7.5
5	19.4	28.0	22.9	83.0	2.0	14.4	16.4	2.2
6	19.5	31.3	24.5	72.7	.1	.1	.2	8.1
7	19.8	32.8	25.8	69.0	0.0	1.8	1.8	9.0
8	20.0	29.9	24.0	75.3	.1	16.7	16.8	2.1
9	19.4	27.5	23.2	79.3	0.0	10.2	10.2	0.0
10	20.0	26.8	21.7	88.3	.2	.6	.8	.5
11	19.0	30.8	23.0	74.7	0.0	0.0	0.0	3.1
12	18.8	29.8	23.0	72.0	.2	0.0	.2	5.6
13	19.0	32.2	24.2	67.3	0.0	0.0	0.0	8.2
14	19.4	28.2	22.9	74.7	0.0	0.0	0.0	3.2
15	18.8	30.6	22.9	64.3	0.0	0.0	0.0	4.1
16	18.0	26.2	21.5	75.0	0.0	0.0	0.0	.1
17	18.2	32.0	23.8	63.7	0.0	.5	.5	8.2
18	19.2	32.8	25.4	61.0	0.0	0.0	0.0	9.7
19	19.0	32.0	24.8	70.0	0.0	0.0	0.0	7.6
20	19.5	30.6	24.5	67.3	0.0	0.0	0.0	4.4
21	19.0	33.0	24.8	67.0	0.0	.9	.9	7.5
22	19.7	31.0	23.9	75.3	0.0	.3	.3	5.7
23	20.0	30.8	25.2	68.0	0.0	.2	.2	6.3
24	19.2	29.7	23.8	73.7	0.0	6.3	6.3	3.3
25	19.0	29.0	24.0	72.0	0.0	0.0	0.0	3.4
26	19.8	33.2	25.6	68.7	0.0	0.0	0.0	7.3
27	19.9	31.0	25.3	70.0	0.0	3.4	3.4	3.9
28	20.0	24.4	21.5	86.0	3.0	.1	3.1	0.0
29	19.0	32.7	25.0	69.0	0.0	.3	.3	7.0
30	18.4	34.1	25.6	64.3	0.0	0.0	0.0	9.4
31	20.4	34.0	25.6	65.7	0.0	0.0	0.0	6.9
Total :					6.0	83.6	89.6	159.3
Promedio :	19.3	30.6	24.1	71.9				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	20.0	30.6	25.1	74.7	0.0	0.0	0.0	.9
2	19.8	30.8	25.2	69.7	0.0	22.2	22.2	2.8
3	20.0	31.8	25.6	69.0	0.0	3.7	3.7	4.8
4	20.1	30.0	23.8	75.0	0.0	0.0	0.0	2.7
5	20.0	30.2	25.2	69.0	0.0	6.0	6.0	3.8
6	19.9	25.0	21.6	87.7	1.3	34.0	35.3	.1
7	19.2	29.0	23.8	73.3	10.0	2.5	12.5	2.8
8	19.8	32.4	25.0	67.7	0.0	0.0	0.0	7.3
9	19.5	32.8	26.4	66.7	0.0	42.7	42.7	7.3
10	20.0	24.8	21.8	88.7	.6	0.0	.6	0.0
11	19.7	31.0	24.6	71.3	0.0	0.0	0.0	4.4
12	20.8	26.2	22.8	80.0	0.0	0.0	0.0	.1
13	19.0	29.0	23.6	75.3	0.0	20.1	20.1	1.0
14	18.4	28.2	22.3	75.7	1.1	1.7	2.8	1.6
15	19.8	29.8	23.0	79.3	.3	1.4	1.7	2.8
16	20.2	27.0	23.0	79.0	0.0	4.7	4.7	.4
17	19.8	25.0	22.0	84.7	.7	.4	1.1	0.0
18	19.0	30.4	24.4	70.3	0.0	15.5	15.5	4.9
19	19.2	30.8	24.2	72.7	.3	14.9	15.2	4.9
20	18.8	27.2	22.9	80.7	9.9	0.0	9.9	1.0
21	19.2	31.0	23.5	74.7	.2	23.2	23.4	3.7
22	19.0	30.2	23.7	73.7	0.0	.1	.1	6.4
23	19.4	30.8	23.8	73.3	0.0	2.6	2.6	4.8
24	20.0	30.6	24.5	73.7	0.0	60.1	60.1	3.9
25	18.4	31.0	24.1	69.3	0.0	.4	.4	6.3
26	20.2	32.0	24.9	69.0	0.0	8.1	8.1	5.0
27	19.0	30.2	23.7	74.0	0.0	5.6	5.6	3.5
28	19.8	30.0	24.2	77.0	0.0	15.5	15.5	4.0
29								
30								
31								
Total :					24.4	285.4	309.8	91.2
Promedio :	19.6	29.6	23.9	74.8				

Estación : LA CRISTALINA
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : TAMESIS

Latitud : 5 ° 43 'N
Longitud : 75 ° 41 'W
Altitud : 850 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.8	28.2	22.7	75.0	0.0	0.0	0.0	2.7
2	19.8	31.8	24.2	66.3	0.0	3.2	3.2	5.4
3	19.7	33.0	25.2	66.7	0.0	13.9	13.9	8.8
4	18.4	31.0	24.1	72.3	.1	21.4	21.5	4.9
5	17.8	31.8	23.9	73.0	0.0	0.0	0.0	8.9
6	19.2	33.7	26.0	67.3	0.0	0.0	0.0	9.6
7	18.8	31.3	25.2	66.3	0.0	0.0	0.0	5.9
8	18.6	31.9	24.8	66.7	0.0	0.0	0.0	8.7
9	20.0	27.4	23.7	75.7	0.0	0.0	0.0	.2
10	19.0	28.6	23.1	73.0	.5	2.8	3.3	2.0
11	19.2	29.2	24.0	72.0	0.0	0.0	0.0	5.5
12	18.2	32.0	25.0	66.7	0.0	0.0	0.0	3.4
13	19.0	30.2	24.8	73.3	0.0	0.0	0.0	8.7
14	18.0	32.0	25.3	69.3	0.0	12.4	12.4	3.1
15	19.6	28.4	23.0	86.7	1.4	17.9	19.3	3.5
16	18.0	30.8	24.0	71.7	0.0	3.1	3.1	6.7
17	19.0	32.0	23.2	79.7	.5	9.5	10.0	6.4
18	18.9	29.7	23.3	78.7	0.0	.6	.6	2.1
19	19.6	31.0	22.5	79.3	9.0	4.8	13.8	5.9
20	18.4	29.8	23.0	74.0	0.0	0.0	0.0	3.7
21	19.8	31.2	24.6	69.0	0.0	24.1	24.1	5.9
22	19.2	29.0	23.8	78.7	0.0	0.0	0.0	3.9
23	19.1	29.3	24.7	74.3	0.0	0.0	0.0	3.2
24	19.2	30.8	25.2	69.3	0.0	12.6	12.6	4.2
25	20.0	31.2	25.4	74.3	0.0	0.0	0.0	6.4
26	18.8	33.6	26.0	65.7	0.0	0.0	0.0	7.4
27	20.7	28.0	24.0	77.0	0.0	2.0	2.0	.3
28	19.2	30.0	23.4	74.3	.4	18.7	19.1	3.1
29	19.2	30.8	24.8	72.7	0.0	0.0	0.0	6.3
30	19.6	32.6	24.8	72.0	.2	3.7	3.9	8.4
31	20.0	30.6	24.7	75.7	0.0	7.0	7.0	2.5
Total :					12.1	157.7	169.8	157.7
Promedio :	19.1	30.7	24.3	72.8				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	20.0	30.0	24.9	72.0	0.0	0.0	0.0	4.7
2	20.8	30.6	25.0	76.7	3.7	11.6	15.3	2.9
3	19.8	27.0	22.6	77.3	1.1	0.0	1.1	0.0
4	18.2	29.4	22.1	73.3	11.0	.7	11.7	3.3
5	18.2	31.2	24.4	65.7	0.0	0.0	0.0	8.7
6	19.5	32.6	25.6	65.0	0.0	2.5	2.5	8.4
7	20.2	31.6	25.8	68.7	0.0	9.8	9.8	6.0
8	19.2	27.0	22.0	81.0	1.3	1.7	3.0	.6
9	19.7	25.2	21.2	89.7	9.5	.4	9.9	.7
10	18.8	27.2	23.0	83.3	.1	4.0	4.1	1.4
11	19.2	31.0	24.7	70.7	0.0	13.1	13.1	6.8
12	19.0	31.8	25.0	73.3	0.0	15.0	15.0	6.8
13	18.2	31.2	23.9	71.7	0.0	10.5	10.5	6.4
14	19.5	30.2	24.8	70.7	0.0	7.0	7.0	4.7
15	19.2	30.8	23.7	77.3	0.0	0.0	0.0	4.7
16	18.7	33.0	25.0	63.3	0.0	0.0	0.0	9.3
17	17.0	33.4	25.1	57.7	0.0	0.0	0.0	10.2
18	17.2	31.8	24.7	65.7	0.0	0.0	0.0	7.8
19	17.8	33.9	26.4	64.7	0.0	0.0	0.0	8.7
20	18.6	30.4	24.8	68.0	0.0	0.0	0.0	5.2
21	18.3	33.0	25.7	66.0	0.0	0.0	0.0	9.4
22	18.6	33.2	26.2	63.3	0.0	0.0	0.0	9.0
23	20.4	32.0	25.4	67.7	0.0	27.1	27.1	3.2
24	19.0	29.2	23.5	77.3	0.0	28.8	28.8	2.8
25	18.2	29.0	23.0	75.3	0.0	5.6	5.6	3.3
26	19.0	30.0	23.4	76.0	0.0	.5	.5	3.7
27	19.7	27.0	22.4	81.3	.1	0.0	.1	.7
28	18.8	31.8	23.9	70.3	0.0	.5	.5	5.4
29	19.7	31.8	24.8	71.7	0.0	20.5	20.5	6.8
30	18.7	26.5	21.8	78.7	3.6	0.0	3.6	1.0
31								
Total :					30.4	159.3	189.7	152.6
Promedio :	19.0	30.4	24.2	72.1				

Estación : LA CRISTALINA
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : TAMESIS

Latitud : 5 ° 43 'N
Longitud : 75 ° 41 'W
Altitud : 850 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.6	31.0	24.8	66.7	0.0	3.6	3.6	7.7
2	19.0	28.2	22.8	80.7	.1	.1	.2	4.8
3	18.7	31.0	24.2	72.0	0.0	26.0	26.0	7.0
4	19.0	27.7	21.6	84.0	.7	0.0	.7	2.3
5	18.3	30.8	22.2	77.7	3.0	2.3	5.3	6.3
6	18.2	30.2	23.8	74.3	0.0	7.1	7.1	7.1
7	18.7	30.0	22.6	79.0	.6	1.7	2.3	5.8
8	19.0	30.2	24.0	75.3	0.0	5.8	5.8	5.9
9	18.2	29.2	22.5	79.7	0.0	15.9	15.9	4.4
10	18.8	28.0	22.2	78.7	4.9	0.0	4.9	3.2
11	17.7	28.8	22.8	76.0	0.0	54.0	54.0	1.8
12	18.2	30.2	24.1	70.3	0.0	26.6	26.6	7.2
13	18.4	29.8	23.2	76.7	0.0	1.8	1.8	5.5
14	18.5	30.0	24.2	72.3	0.0	.3	.3	6.2
15	19.5	30.2	24.1	71.0	0.0	1.8	1.8	8.3
16	18.0	31.0	24.0	72.0	0.0	0.0	0.0	5.5
17	19.0	32.0	25.4	61.0	0.0	15.3	15.3	8.8
18	18.9	30.6	24.8	70.0	0.0	9.7	9.7	5.3
19	19.0	30.8	23.2	76.7	.4	0.0	.4	5.1
20	17.8	30.6	24.1	73.7	0.0	5.8	5.8	6.0
21	18.7	30.0	23.8	77.3	.1	0.0	.1	6.2
22	19.4	31.4	24.8	69.7	0.0	0.0	0.0	5.2
23	20.2	31.6	25.1	69.3	0.0	0.0	0.0	6.9
24	19.0	33.0	25.8	64.3	0.0	0.0	0.0	9.2
25	20.4	33.2	25.9	67.7	0.0	.7	.7	8.9
26	19.0	32.9	25.0	66.7	0.0	0.0	0.0	9.0
27	19.0	33.0	26.0	68.3	0.0	4.6	4.6	8.0
28	19.8	29.7	24.6	77.0	0.0	0.0	0.0	2.7
29	20.0	30.2	24.4	77.7	0.0	16.4	16.4	3.2
30	18.7	31.2	23.7	76.3	0.0	1.6	1.6	5.4
31	19.8	31.0	25.2	70.3	0.0	8.6	8.6	4.4
Total :					9.8	209.7	219.5	183.3
Promedio :	18.8	30.6	24.0	73.3				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.2	30.2	24.7	72.3	0.0	10.3	10.3	6.0
2	20.0	31.2	24.8	75.7	0.0	0.0	0.0	6.6
3	18.4	32.6	24.8	72.3	1.6	2.2	3.8	9.3
4	20.0	28.2	23.0	77.0	0.0	15.7	15.7	1.4
5	19.4	29.0	23.3	77.7	0.0	26.0	26.0	4.3
6	19.2	28.8	22.9	78.7	.1	2.3	2.4	4.2
7	19.7	30.6	23.7	76.0	.9	31.0	31.9	7.9
8	18.8	28.2	23.8	76.3	6.5	6.1	12.6	3.4
9	17.5	31.0	24.7	76.7	3.4	33.5	36.9	6.1
10	17.0	29.8	22.7	74.3	0.0	6.6	6.6	6.2
11	19.8	28.1	23.0	80.0	0.0	8.7	8.7	3.2
12	19.0	27.4	22.0	84.0	1.8	.9	2.7	2.2
13	18.8	27.2	22.3	82.0	.4	0.0	.4	3.7
14	19.2	29.0	23.5	73.7	0.0	0.0	0.0	3.4
15	19.6	28.2	23.0	78.0	0.0	11.5	11.5	.5
16	19.2	29.6	23.6	77.7	0.0	11.8	11.8	4.4
17	19.6	31.6	24.7	73.7	0.0	16.1	16.1	6.2
18	18.0	26.0	21.7	85.0	0.0	8.1	8.1	.1
19	19.0	30.8	24.0	78.3	0.0	0.0	0.0	5.3
20	19.2	30.0	24.4	76.3	0.0	9.7	9.7	3.6
21	19.0	27.8	22.9	82.3	.3	2.7	3.0	1.6
22	19.8	30.8	24.8	75.0	0.0	0.0	0.0	7.3
23	20.0	31.4	24.3	75.7	0.0	.4	.4	7.3
24	19.5	29.8	23.8	75.7	.5	3.6	4.1	4.2
25	19.2	30.6	24.5	73.3	0.0	11.4	11.4	7.3
26	19.0	29.6	21.2	83.0	2.9	12.6	15.5	4.2
27	18.2	26.8	21.8	82.7	0.0	17.2	17.2	1.4
28	17.8	27.4	22.2	77.7	.7	0.0	.7	2.6
29	18.0	30.0	24.4	76.3	0.0	.5	.5	7.2
30	18.6	31.2	24.2	72.0	0.0	23.5	23.5	8.3
31								
Total :					19.1	272.4	291.5	139.4
Promedio :	19.0	29.4	23.5	77.3				

Estación : LA CRISTALINA
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : TAMESIS

Latitud : 5 ° 43 'N
Longitud : 75 ° 41 'W
Altitud : 850 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	28.1	22.8	76.0	0.0	3.3	3.3	6.6
2	18.6	30.6	23.6	76.7	0.0	2.1	2.1	7.3
3	18.0	29.0	22.8	77.7	0.0	.5	.5	5.2
4	19.0	30.6	23.9	72.0	0.0	0.0	0.0	6.2
5	17.3	30.0	23.4	72.0	0.0	0.0	0.0	6.7
6	18.0	30.6	23.6	76.0	2.1	7.7	9.8	6.5
7	19.0	26.2	22.2	86.0	.5	0.0	.5	.7
8	18.4	29.2	23.8	76.3	0.0	8.9	8.9	3.7
9	18.0	30.4	23.6	73.7	0.0	.5	.5	6.7
10	18.1	31.0	23.6	71.0	0.0	0.0	0.0	8.2
11	18.3	32.0	25.4	65.0	0.0	4.3	4.3	9.3
12	19.0	29.5	24.0	73.3	0.0	0.0	0.0	4.6
13	19.6	32.0	25.6	68.3	0.0	0.0	0.0	8.0
14	19.8	32.2	25.7	63.3	0.0	0.0	0.0	9.5
15	19.4	32.6	25.0	62.7	0.0	0.0	0.0	9.6
16	19.0	31.8	24.8	65.7	0.0	0.0	0.0	7.8
17	18.8	33.0	25.6	70.0	0.0	16.6	16.6	9.6
18	19.0	29.0	23.0	76.0	0.0	0.0	0.0	6.6
19	18.9	30.0	23.9	73.0	0.0	25.1	25.1	7.0
20	18.6	29.8	23.5	75.3	0.0	0.0	0.0	7.0
21	19.6	31.2	24.4	73.3	0.0	0.0	0.0	8.5
22	18.4	31.2	25.0	71.0	0.0	1.3	1.3	7.3
23	19.0	31.6	22.9	79.3	.6	0.0	.6	7.0
24	19.2	31.2	24.6	73.0	0.0	0.0	0.0	7.1
25	19.0	32.2	25.2	68.0	0.0	0.0	0.0	7.3
26	18.2	32.4	25.8	63.3	0.0	13.1	13.1	8.7
27	19.0	31.4	25.2	71.3	0.0	0.0	0.0	7.7
28	18.6	31.4	25.5	71.7	0.0	1.2	1.2	7.3
29	20.5	30.0	25.0	72.3	0.0	0.0	0.0	4.8
30	18.8	32.8	25.8	67.3	0.0	3.3	3.3	9.5
31	19.6	31.2	24.1	73.3	0.0	1.7	1.7	5.8
Total :					3.2	89.6	92.8	217.8
Promedio :	18.8	30.8	24.3	72.1				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.8	32.6	24.8	68.7	0.0	0.0	0.0	8.7
2	19.4	32.2	25.4	64.0	0.0	4.7	4.7	7.2
3	19.0	30.0	24.3	71.0	0.0	14.9	14.9	5.0
4	18.9	30.4	24.6	72.7	0.0	9.4	9.4	8.0
5	19.0	30.0	24.1	68.3	0.0	2.7	2.7	5.4
6	19.6	30.2	23.7	75.0	0.0	22.9	22.9	3.5
7	18.0	28.1	22.2	77.3	0.0	0.0	0.0	5.9
8	19.0	30.1	23.3	78.7	0.0	0.0	0.0	4.7
9	18.3	31.0	24.0	72.3	0.0	0.0	0.0	4.9
10	18.6	32.0	24.1	70.7	0.0	0.0	0.0	7.8
11	18.0	31.8	24.3	74.0	0.0	0.0	0.0	8.4
12	19.5	32.0	25.2	69.7	0.0	0.0	0.0	8.1
13	19.0	32.4	23.4	74.0	.5	35.8	36.3	7.6
14	18.4	30.2	23.6	77.3	.6	26.7	27.3	8.4
15	18.3	28.0	23.0	79.3	0.0	0.0	0.0	4.6
16	18.2	32.1	24.8	69.3	0.0	.6	.6	8.9
17	18.8	32.0	25.1	70.7	0.0	0.0	0.0	7.3
18	18.4	30.6	24.1	72.0	0.0	5.6	5.6	4.6
19	18.8	30.0	23.8	77.0	0.0	0.0	0.0	4.5
20	19.6	31.0	24.8	73.3	0.0	29.7	29.7	8.5
21	19.0	27.5	21.8	77.7	4.9	4.9	9.8	1.1
22	18.0	29.8	22.7	73.3	0.0	0.0	0.0	4.5
23	18.6	32.0	23.9	69.7	0.0	.9	.9	7.8
24	18.8	28.0	22.4	78.7	0.0	0.0	0.0	4.6
25	18.0	29.5	23.2	77.7	0.0	.1	.1	3.2
26	18.8	29.2	23.2	75.3	0.0	8.7	8.7	4.7
27	19.0	30.2	23.6	74.0	0.0	0.0	0.0	5.3
28	19.4	25.7	22.0	87.7	.3	0.0	.3	.2
29	19.0	31.0	24.9	71.7	0.0	0.0	0.0	6.8
30	19.7	30.7	24.2	75.7	0.0	0.0	0.0	4.6
31	17.8	32.2	24.8	68.0	0.0	0.0	0.0	8.4
Total :					6.3	167.6	173.9	183.2
Promedio :	18.8	30.4	23.8	73.7				

Estación : LA CRISTALINA
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : TAMESIS

Latitud : 5 ° 43 'N
Longitud : 75 ° 41 'W
Altitud : 850 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	20.5	30.0	25.0	79.3	0.0	9.9	9.9	3.0
2	19.0	29.8	23.8	74.7	0.0	27.2	27.2	6.1
3	18.6	28.8	22.8	78.0	0.0	0.0	0.0	2.1
4	18.4	30.0	24.4	69.7	0.0	31.8	31.8	5.4
5	18.2	29.3	23.7	74.3	0.0	0.0	0.0	4.6
6	18.0	32.0	25.4	68.3	0.0	.5	.5	9.2
7	18.4	30.8	23.6	79.0	.3	23.2	23.5	6.5
8	18.0	29.0	23.3	73.3	0.0	.6	.6	4.4
9	18.4	30.0	24.0	77.7	.4	36.3	36.7	6.9
10	18.6	29.0	23.6	76.0	.1	2.0	2.1	3.9
11	18.8	30.6	24.5	70.3	0.0	34.0	34.0	6.7
12	18.6	28.0	22.0	82.3	2.5	0.0	2.5	2.8
13	19.0	28.9	23.4	73.0	.2	33.4	33.6	2.8
14	18.6	26.0	21.5	84.3	.6	.3	.9	1.0
15	18.0	30.0	22.9	74.3	0.0	0.0	0.0	5.9
16	18.3	30.6	24.0	68.0	0.0	7.2	7.2	6.2
17	18.6	27.2	22.5	79.3	.3	0.0	.3	2.6
18	18.0	31.6	23.2	75.3	0.0	0.0	0.0	8.7
19	18.2	30.0	24.1	74.3	0.0	8.9	8.9	8.4
20	18.8	31.2	23.8	75.7	0.0	1.2	1.2	5.5
21	19.2	30.0	24.2	72.7	0.0	50.4	50.4	7.1
22	18.0	28.8	23.0	78.0	2.5	2.6	5.1	3.8
23	18.7	29.0	22.1	83.7	8.0	4.2	12.2	3.4
24	17.8	30.4	23.8	74.3	0.0	15.3	15.3	7.5
25	18.7	30.1	23.8	75.3	0.0	29.8	29.8	5.9
26	19.0	28.2	23.3	74.3	0.0	27.2	27.2	2.7
27	18.3	29.5	21.8	80.7	2.9	12.9	15.8	6.9
28	18.4	27.3	22.1	75.7	1.0	7.5	8.5	1.0
29	18.0	27.2	22.4	75.3	0.0	1.8	1.8	2.4
30	19.0	28.4	23.3	72.0	0.0	8.5	8.5	3.3
31								
Total :					18.8	376.7	395.5	146.7
Promedio :	18.5	29.4	23.4	75.6				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.9	25.4	20.2	83.0	10.7	0.0	10.7	.3
2	18.2	28.2	22.0	78.3	0.0	0.0	0.0	3.2
3	17.5	30.6	24.1	66.0	0.0	.8	.8	6.3
4	20.0	31.0	23.8	71.7	0.0	.8	.8	5.3
5	18.8	30.8	23.5	73.0	0.0	18.1	18.1	3.9
6	18.0	26.0	20.8	82.0	4.6	2.5	7.1	.9
7	17.9	28.4	22.9	76.7	.4	.2	.6	4.9
8	18.6	30.6	23.5	71.7	0.0	0.0	0.0	4.7
9	19.8	31.0	24.6	69.0	0.0	42.1	42.1	6.2
10	18.8	29.5	23.7	72.7	0.0	19.4	19.4	6.7
11	18.6	29.3	23.5	70.0	.6	1.4	2.0	6.0
12	19.6	31.0	24.0	75.0	0.0	0.0	0.0	6.3
13	19.8	32.2	25.2	68.0	0.0	.5	.5	8.4
14	19.4	31.0	24.7	73.0	0.0	2.1	2.1	5.8
15	19.6	29.8	23.7	74.7	1.2	42.5	43.7	4.9
16	18.4	27.0	22.5	78.3	0.0	0.0	0.0	1.8
17	19.0	29.0	23.0	80.0	.1	0.0	.1	2.1
18	18.8	31.0	23.0	75.3	0.0	8.5	8.5	6.5
19	18.2	31.4	23.8	69.0	0.0	39.8	39.8	8.4
20	19.0	31.6	24.2	72.0	0.0	3.3	3.3	7.0
21	19.8	30.0	23.0	78.7	.1	.8	.9	4.1
22	19.3	29.1	22.8	85.0	.5	41.0	41.5	2.7
23	18.6	29.0	22.8	77.7	.6	0.0	.6	.8
24	19.8	28.1	22.3	83.3	.1	.2	.3	1.1
25	18.9	29.0	23.2	76.3	0.0	.7	.7	3.4
26	19.5	28.2	23.4	75.0	0.0	36.5	36.5	1.7
27	19.0	31.2	24.0	73.3	0.0	7.9	7.9	5.9
28	18.8	30.2	23.1	77.7	0.0	2.5	2.5	3.9
29	19.2	29.8	23.4	78.0	0.0	16.5	16.5	6.4
30	19.0	29.2	21.8	80.3	5.7	0.0	5.7	3.1
31	19.1	30.2	23.8	74.3	0.0	0.0	0.0	5.8
Total :					24.6	288.1	312.7	138.5
Promedio :	18.9	29.6	23.2	75.5				

Estación : LA CRISTALINA
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : TAMESIS

Latitud : 5 ° 43 'N
Longitud : 75 ° 41 'W
Altitud : 850 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.2	31.8	24.0	71.3	0.0	1.9	1.9	6.1
2	19.8	32.0	24.7	73.3	.1	2.6	2.7	6.4
3	19.0	30.9	24.3	73.0	0.0	12.9	12.9	6.6
4	19.5	31.0	24.6	75.3	0.0	4.5	4.5	5.8
5	19.8	31.8	24.8	75.0	0.0	.4	.4	4.9
6	20.2	31.1	23.6	80.3	1.7	4.9	6.6	3.6
7	19.0	31.2	23.8	77.7	1.5	28.3	29.8	6.2
8	19.2	29.8	23.6	77.7	0.0	5.4	5.4	2.0
9	19.8	31.9	25.0	74.7	0.0	.5	.5	8.5
10	19.9	33.1	25.5	68.3	0.0	7.3	7.3	8.4
11	19.8	29.3	23.4	78.3	.3	0.0	.3	2.1
12	19.3	29.2	23.5	70.3	.2	16.4	16.6	1.8
13	19.0	28.0	22.5	79.7	0.0	0.0	0.0	1.7
14	19.4	31.9	24.4	70.3	.2	2.4	2.6	6.7
15	19.0	28.0	22.8	77.0	0.0	0.0	0.0	2.0
16	19.1	32.0	24.6	64.7	0.0	5.8	5.8	5.9
17	18.4	29.9	24.1	74.7	0.0	35.4	35.4	7.4
18	19.0	28.6	23.5	78.0	0.0	17.4	17.4	3.1
19	19.3	30.3	24.1	73.3	0.0	39.4	39.4	2.8
20	19.0	29.3	23.6	77.0	.3	19.5	19.8	7.5
21	19.6	29.9	23.6	75.3	0.0	8.0	8.0	0.0
22	19.9	28.7	23.1	73.0	0.0	0.0	0.0	2.9
23	19.2	30.8	23.4	67.3	0.0	15.1	15.1	6.5
24	19.0	29.2	22.4	77.3	0.0	11.0	11.0	4.5
25	18.8	25.3	20.6	86.7	1.4	.1	1.5	2.0
26	18.2	30.8	23.1	76.3	0.0	.5	.5	7.4
27	18.0	31.2	23.5	75.0	.2	.1	.3	7.8
28	19.3	31.8	24.0	73.3	0.0	0.0	0.0	9.2
29	18.0	31.9	24.4	70.7	0.0	.6	.6	7.9
30	19.6	32.0	24.0	72.7	0.0	15.2	15.2	7.0
31								
Total :					5.9	255.6	261.5	154.7
Promedio :	19.2	30.4	23.8	74.6				

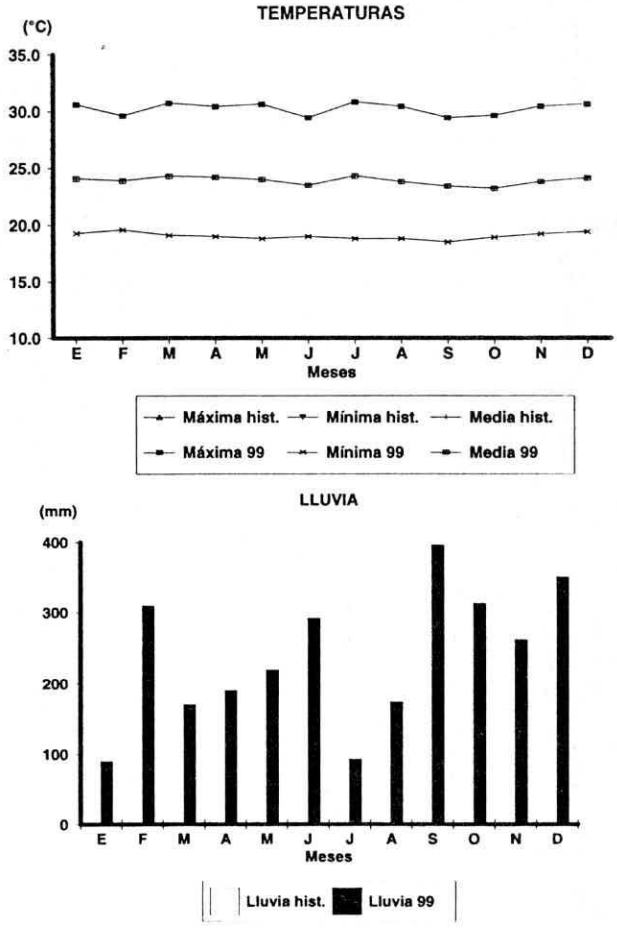
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.0	26.0	21.5	85.3	.9	.1	1.0	.4
2	18.9	30.8	23.5	73.0	0.0	7.4	7.4	4.8
3	19.6	31.9	24.5	72.0	0.0	13.6	13.6	7.8
4	20.0	30.6	24.0	79.0	0.0	41.2	41.2	5.2
5	19.5	31.6	24.2	77.0	.2	5.5	5.7	6.6
6	19.0	31.2	24.3	74.0	0.0	1.4	1.4	7.5
7	20.0	31.8	24.6	72.7	0.0	0.0	0.0	8.5
8	19.4	30.8	25.0	72.3	0.0	1.2	1.2	5.7
9	20.0	32.0	25.4	73.3	0.0	.3	.3	6.4
10	20.1	31.0	24.9	72.7	.1	22.8	22.9	3.7
11	20.0	30.6	24.6	75.3	0.0	34.4	34.4	5.6
12	19.8	29.8	23.6	77.3	.4	6.0	6.4	4.4
13	20.0	30.0	24.2	79.3	0.0	14.1	14.1	5.7
14	19.8	29.8	24.4	76.3	0.0	41.3	41.3	6.5
15	19.0	31.6	24.0	74.3	1.1	19.2	20.3	6.4
16	19.4	31.9	25.1	74.3	0.0	18.8	18.8	6.8
17	19.0	31.6	24.5	74.0	0.0	21.5	21.5	8.3
18	20.0	31.0	24.9	72.3	0.0	34.6	34.6	8.3
19	19.0	32.0	24.6	72.3	0.0	35.3	35.3	8.0
20	19.5	30.6	24.3	76.0	0.0	0.0	0.0	7.4
21	21.0	31.9	24.8	72.0	0.0	6.6	6.6	7.0
22	20.8	28.0	24.0	80.0	0.0	.2	.2	2.4
23	20.0	31.6	24.2	67.0	0.0	0.0	0.0	7.4
24	19.6	28.0	22.4	85.0	5.5	15.7	21.2	1.6
25	18.2	26.0	21.8	78.7	0.0	0.0	0.0	.9
26	17.6	30.0	23.1	75.0	0.0	0.0	0.0	7.3
27	18.7	30.6	23.5	66.7	0.0	0.0	0.0	7.7
28	19.0	31.0	24.0	66.7	0.0	.1	.1	8.6
29	18.8	29.8	23.1	75.7	0.0	0.0	0.0	5.7
30	18.0	31.6	24.0	70.7	0.0	0.0	0.0	9.4
31	19.8	32.6	25.2	69.7	0.0	.2	.2	9.6
Total :					8.2	341.5	349.7	191.6
Promedio :	19.4	30.6	24.1	74.5				

Estación : LA CRISTALINA
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : TAMESIS

Latitud : 5 ° 43 'N
Longitud : 75 ° 41 'W
Altitud : 850 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	19.3	30.6	24.1	34.1	18.0	71.9	89.6	19	159.3
Febrero	19.6	29.6	23.9	32.8	18.4	74.8	309.8	23	91.2
Marzo	19.1	30.7	24.3	33.7	17.8	72.8	169.8	16	157.7
Abril	19.0	30.4	24.2	33.9	17.0	72.1	189.7	20	152.6
Mayo	18.8	30.6	24.0	33.2	16.6	73.3	219.5	25	183.3
Junio	19.0	29.4	23.5	32.6	17.0	77.3	291.5	26	139.4
Julio	18.8	30.8	24.3	33.0	17.0	72.1	92.8	16	217.8
Agosto	18.8	30.4	23.8	32.6	17.8	73.7	173.9	15	183.2
Septiembre	18.5	29.4	23.4	32.0	17.8	75.6	395.5	26	146.7
Octubre	18.9	29.6	23.2	32.2	17.5	75.5	312.7	26	138.5
Noviembre	19.2	30.4	23.8	33.1	18.0	74.6	261.5	26	154.7
Diciembre	19.4	30.6	24.1	32.6	17.6	74.5	349.7	23	191.6
Promedio :	19.0	30.2	23.9			74.0			
Absoluta :				34.1	16.6				
Total :							2856.0	261	1916.0



Estación : MIGUEL VALENCIA
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : JARDIN

Latitud : 5 ° 36 'N
Longitud : 75 ° 51 'W
Altitud : 1570 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.2	25.4	19.6	81.0	0.0	6.1	6.1	3.3
2	14.2	26.0	19.4	81.3	.2	5.6	5.8	5.5
3	16.4	25.1	18.8	84.3	.6	4.0	4.6	2.7
4	16.0	28.0	20.1	78.7	0.0	7.9	7.9	7.6
5	17.0	23.4	18.6	87.7	16.0	8.5	24.5	.3
6	15.4	27.0	18.9	80.3	0.0	0.0	0.0	5.2
7	16.5	26.7	19.8	77.3	0.0	.9	.9	4.9
8	16.2	23.0	19.0	86.3	9.0	28.3	37.3	2.0
9	15.2	23.0	18.4	87.7	12.5	.2	12.7	.3
10	15.4	21.0	17.6	87.7	6.2	1.7	7.9	.1
11	14.0	25.6	18.0	80.7	0.0	0.0	0.0	3.4
12	13.2	25.0	17.8	81.7	0.0	0.0	0.0	2.6
13	14.0	27.7	18.8	75.0	0.0	1.6	1.6	8.5
14	14.4	25.4	18.9	78.3	0.0	5.4	5.4	1.9
15	14.0	26.0	18.2	74.7	0.0	0.0	0.0	7.6
16	13.8	20.0	16.3	90.3	1.8	0.0	1.8	0.0
17	13.7	27.0	19.6	73.7	0.0	0.0	0.0	6.1
18	15.7	25.0	19.8	76.3	0.0	0.0	0.0	3.0
19	14.6	26.0	19.2	77.7	0.0	.5	.5	3.6
20	16.0	25.0	19.2	79.7	0.0	1.0	1.0	.9
21	15.4	26.0	19.4	80.7	1.2	.2	1.4	5.2
22	16.4	23.6	18.5	86.7	1.6	0.0	1.6	2.3
23	16.0	24.2	19.2	84.7	.6	2.1	2.7	3.8
24	15.1	24.6	19.6	80.3	.4	5.2	5.6	1.7
25	14.2	26.0	20.2	79.3	0.0	0.0	0.0	3.7
26	16.0	27.0	20.1	75.7	0.0	0.0	0.0	6.9
27	16.2	25.0	19.2	81.3	0.0	6.2	6.2	2.2
28	16.0	20.4	18.0	89.3	2.9	0.0	2.9	0.0
29	16.0	27.0	19.8	81.7	0.0	.1	.1	2.9
30	14.8	28.0	19.6	78.3	0.0	9.8	9.8	6.2
31	16.2	27.0	19.5	84.0	0.0	0.0	0.0	4.6
Total :					53.0	95.3	148.3	109.0
Promedio :	15.3	25.2	19.0	81.4				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	24.0	19.6	80.7	0.0	2.6	2.6	.3
2	16.3	26.3	18.6	83.7	.7	4.4	5.1	2.3
3	16.5	26.0	19.1	83.0	1.0	8.9	9.9	1.5
4	15.3	25.8	18.8	83.0	.2	9.3	9.5	3.4
5	16.2	24.1	19.0	81.7	2.4	.7	3.1	.4
6	16.0	20.5	18.0	88.7	13.1	16.6	29.7	0.0
7	15.7	23.0	18.7	86.0	.6	29.2	29.8	.4
8	16.2	26.0	19.4	82.0	.3	0.0	.3	6.5
9	16.0	28.0	20.0	80.7	2.1	.1	2.2	5.0
10	16.7	22.0	18.0	88.7	6.9	0.0	6.9	0.0
11	15.6	27.0	19.4	79.0	.6	21.8	22.4	4.6
12	16.1	22.0	18.4	88.3	1.5	1.8	3.3	0.0
13	15.2	23.0	18.4	80.7	.8	1.8	2.6	.5
14	15.4	23.0	18.2	83.3	0.0	5.9	5.9	.6
15	16.0	23.0	18.1	82.3	1.6	.2	1.8	.4
16	15.8	20.0	17.2	92.7	15.1	10.3	25.4	0.0
17	15.0	23.8	17.2	87.7	10.3	9.5	19.8	1.5
18	15.1	25.0	18.8	81.3	4.3	3.8	8.1	2.8
19	15.8	24.0	18.5	91.7	.5	20.2	20.7	3.4
20	15.2	22.5	17.8	86.3	5.9	1.9	7.8	0.0
21	14.0	25.0	17.6	87.7	4.0	21.3	25.3	3.0
22	15.0	24.8	18.9	80.7	.9	.3	1.2	4.8
23	16.0	23.8	19.3	81.7	1.2	10.0	11.2	2.1
24	16.3	24.0	19.2	82.3	3.0	53.0	56.0	2.0
25	14.3	27.5	19.0	81.3	3.4	.2	3.6	6.5
26	16.1	27.0	19.0	82.3	37.4	3.1	40.5	2.3
27	14.6	25.0	18.5	84.0	3.0	5.2	8.2	3.9
28	15.0	24.0	18.2	93.7	7.3	9.9	17.2	3.5
29								
30								
31								
Total :					128.1	252.0	380.1	61.7
Promedio :	15.7	24.3	18.6	84.5				

Estación : MIGUEL VALENCIA
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : JARDIN

Latitud : 5 ° 36 'N
Longitud : 75 ° 51 'W
Altitud : 1570 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.6	24.7	19.2	81.3	4.6	0.0	4.6	2.3
2	13.0	25.0	18.6	81.7	.3	0.0	.3	6.3
3	16.2	27.0	19.8	72.7	0.0	3.3	3.3	4.8
4	14.0	23.9	17.5	90.0	1.2	20.0	21.2	2.3
5	13.6	27.0	20.0	76.0	0.0	.3	.3	8.9
6	14.6	29.6	20.4	76.7	0.0	0.0	0.0	9.4
7	15.6	27.0	19.2	76.0	1.3	0.0	1.3	5.2
8	14.8	27.0	20.3	70.0	0.0	0.0	0.0	6.6
9	16.7	20.3	17.9	89.7	2.0	.1	2.1	0.0
10	15.4	26.0	19.4	77.3	2.7	8.3	11.0	2.0
11	14.8	27.6	20.1	77.3	0.0	0.0	0.0	7.3
12	16.0	28.0	20.5	74.3	0.0	0.0	0.0	5.7
13	15.0	26.5	19.1	79.7	.8	1.4	2.2	2.6
14	13.0	26.0	19.3	79.7	7.9	24.3	32.2	6.0
15	15.4	23.8	19.5	84.0	0.0	6.6	6.6	2.3
16	16.2	26.7	19.2	83.0	.2	5.2	5.4	2.4
17	16.0	27.6	20.4	77.0	0.0	9.7	9.7	2.4
18	15.7	25.0	19.4	80.7	0.0	0.0	0.0	1.5
19	15.0	26.0	19.1	83.0	1.0	14.4	15.4	1.9
20	14.6	26.6	18.7	82.0	0.0	0.0	0.0	2.3
21	15.4	26.0	19.6	80.3	.1	5.1	5.2	2.2
22	16.8	24.8	19.7	81.7	0.0	0.0	0.0	2.7
23	15.8	25.6	20.3	78.0	0.0	.1	.1	2.5
24	16.6	26.2	20.4	79.0	0.0	.2	.2	2.3
25	16.7	28.0	21.2	76.7	0.0	0.0	0.0	5.5
26	15.0	29.0	20.2	77.0	17.6	.2	17.8	5.6
27	16.7	21.9	18.4	90.0	3.4	0.0	3.4	0.0
28	16.0	25.8	20.1	81.0	0.0	20.1	20.1	2.5
29	15.2	28.0	19.4	83.3	0.0	.3	.3	4.8
30	16.0	27.6	20.0	76.7	.7	1.3	2.0	7.0
31	16.0	27.7	21.4	78.0	.2	0.0	.2	3.0
Total :					44.0	120.9	164.9	120.3
Promedio :	15.4	26.2	19.6	79.8				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	26.0	20.2	81.7	10.4	0.0	10.4	2.0
2	15.7	27.5	20.2	81.0	.2	17.3	17.5	5.3
3	15.9	22.0	17.9	88.0	1.4	0.0	1.4	0.0
4	14.0	27.0	17.6	85.3	27.0	4.9	31.9	4.8
5	13.8	28.0	20.0	76.0	0.0	4.3	4.3	9.4
6	16.0	27.8	21.2	70.3	0.0	14.9	14.9	6.4
7	17.5	25.6	19.3	88.7	1.3	3.8	5.1	2.6
8	16.3	25.4	19.6	80.3	0.0	4.0	4.0	2.2
9	16.6	24.6	19.0	84.3	9.7	1.0	10.7	1.2
10	16.0	22.2	17.6	89.7	8.4	11.3	19.7	.9
11	14.7	27.8	20.5	79.3	0.0	1.6	1.6	5.5
12	16.1	27.2	19.8	82.0	.1	28.4	28.5	4.6
13	15.0	27.0	19.8	82.7	0.0	4.4	4.4	5.3
14	17.0	26.2	20.2	80.3	1.1	9.4	10.5	2.7
15	16.8	27.5	19.2	82.0	13.7	0.0	13.7	4.5
16	14.4	27.8	19.6	74.7	0.0	0.0	0.0	9.1
17	13.5	29.7	19.7	71.0	0.0	0.0	0.0	8.8
18	12.9	26.9	19.4	75.7	0.0	0.0	0.0	5.6
19	13.4	29.0	20.7	73.3	0.0	0.0	0.0	8.2
20	14.3	26.0	18.5	80.3	9.3	0.0	9.3	4.0
21	13.7	28.6	20.3	77.0	0.0	0.0	0.0	8.2
22	14.2	29.8	20.1	78.3	6.1	0.0	6.1	0.0
23	16.2	27.2	20.5	80.0	1.0	6.8	7.8	1.5
24	16.4	23.7	18.4	93.3	6.0	22.9	28.9	.6
25	15.4	26.0	18.8	89.3	0.0	.5	.5	2.0
26	15.7	23.5	18.3	86.0	15.2	1.7	16.9	1.3
27	16.0	24.0	18.4	82.0	2.7	0.0	2.7	1.4
28	14.8	26.0	19.3	80.0	1.7	.3	2.0	5.9
29	16.2	27.0	19.3	80.7	.6	22.8	23.4	5.5
30	16.0	25.0	18.2	87.7	6.9	0.0	6.9	1.6
31								
Total :					122.8	160.3	283.1	121.1
Promedio :	15.4	26.4	19.4	81.4				

Estación : MIGUEL VALENCIA
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : JARDIN

Latitud : 5 ° 36 'N
Longitud : 75 ° 51 'W
Altitud : 1570 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	13.0	27.0	19.4	77.7	0.0	7.6	7.6	5.8
2	15.7	23.8	18.3	87.7	1.8	0.0	1.8	1.7
3	14.7	27.5	19.6	77.3	0.0	26.5	26.5	6.8
4	16.0	24.0	18.3	86.0	.3	0.0	.3	1.4
5	14.0	26.8	18.7	78.7	2.3	3.3	5.6	6.6
6	14.2	27.0	19.4	82.7	0.0	9.3	9.3	5.7
7	15.3	26.6	18.5	81.7	6.3	2.7	9.0	3.0
8	14.8	23.9	18.4	84.0	1.9	.9	2.8	2.2
9	15.7	24.6	18.0	84.3	15.2	7.6	22.8	2.7
10	14.9	26.2	18.9	79.3	0.0	0.0	0.0	5.2
11	13.9	24.6	18.4	80.0	0.0	6.6	6.6	1.4
12	15.0	23.8	17.6	91.3	9.4	49.9	59.3	2.9
13	14.9	25.8	18.8	82.7	8.0	9.3	17.3	4.9
14	14.0	26.0	19.3	80.3	0.0	0.0	0.0	5.5
15	15.0	26.2	19.6	77.0	6.3	.2	6.5	5.7
16	15.6	28.0	19.9	79.3	0.0	3.4	3.4	8.3
17	16.0	27.0	20.2	77.7	0.0	0.0	0.0	7.6
18	16.0	26.8	19.8	81.3	1.6	0.0	1.6	4.9
19	15.8	27.0	19.6	81.3	5.2	0.0	5.2	3.4
20	14.3	26.6	19.7	88.7	2.9	7.4	10.3	4.7
21	16.1	26.1	19.4	85.0	.1	.3	.4	4.8
22	16.0	25.6	20.0	89.0	2.7	1.4	4.1	2.7
23	16.8	29.0	21.3	79.0	0.0	0.0	0.0	7.9
24	16.0	29.4	21.0	73.7	0.0	0.0	0.0	7.5
25	15.7	28.3	20.4	75.3	0.0	2.2	2.2	7.0
26	15.0	28.0	20.8	75.7	0.0	0.0	0.0	9.7
27	15.5	27.0	20.6	77.0	0.0	0.0	0.0	6.2
28	17.0	26.8	20.4	80.3	0.0	0.0	0.0	3.7
29	16.0	25.0	18.8	94.3	19.2	9.3	28.5	3.8
30	15.9	25.4	18.8	82.3	.2	0.0	.2	3.4
31	14.8	28.0	19.4	80.3	20.2	1.8	22.0	6.9
Total :					103.6	149.7	253.3	154.0
Promedio :	15.3	26.4	19.4	81.6				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.8	25.4	20.0	81.7	.3	2.7	3.0	4.1
2	17.7	28.4	21.4	73.7	0.0	0.0	0.0	5.6
3	15.8	28.9	21.2	69.3	.3	2.9	3.2	6.6
4	16.0	23.2	18.2	87.7	16.1	9.4	25.5	.6
5	16.7	24.2	18.6	86.0	4.8	.1	4.9	1.2
6	14.0	26.3	19.6	79.3	0.0	6.5	6.5	4.6
7	16.3	25.1	19.2	85.3	7.2	6.9	14.1	3.0
8	16.0	25.6	19.3	85.3	7.1	6.3	13.4	2.7
9	16.7	26.2	19.4	83.3	.2	10.1	10.3	4.8
10	14.5	29.4	20.0	76.3	0.0	13.0	13.0	8.0
11	15.8	26.3	19.8	81.3	0.0	.2	.2	3.3
12	15.7	28.0	19.7	80.3	0.0	0.0	0.0	3.7
13	14.9	24.7	19.5	80.7	.5	13.3	13.8	.8
14	15.3	23.5	18.6	84.3	.3	0.0	.3	1.6
15	15.1	26.2	19.7	83.0	.2	7.0	7.2	3.3
16	14.8	24.4	18.7	87.0	1.1	0.0	1.1	1.9
17	15.0	28.0	20.1	81.0	2.4	9.9	12.3	6.1
18	15.1	24.2	17.9	85.7	0.0	0.0	0.0	.6
19	15.2	26.5	18.6	85.0	13.6	0.0	13.6	3.4
20	16.5	26.8	20.3	80.7	.1	9.1	9.2	5.9
21	16.0	23.1	19.0	85.0	1.1	.4	1.5	.1
22	15.0	26.8	19.7	77.7	0.0	0.0	0.0	5.2
23	15.2	28.3	19.7	78.0	0.0	6.6	6.6	8.0
24	14.8	24.0	19.0	83.7	3.5	2.2	5.7	3.2
25	15.0	26.7	20.1	75.7	0.0	7.8	7.8	4.2
26	15.9	26.2	19.0	81.7	6.3	4.8	11.1	3.5
27	16.0	25.0	19.3	84.3	.9	13.6	14.5	2.8
28	15.6	23.0	17.7	88.0	4.3	0.0	4.3	.8
29	13.6	26.6	18.7	80.0	0.0	.4	.4	6.1
30	15.2	27.3	19.7	79.7	.1	6.3	6.4	5.9
31								
Total :					70.4	139.5	209.9	111.6
Promedio :	15.5	25.9	19.4	81.7				

Estación : MIGUEL VALENCIA
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : JARDIN

Latitud : 5 ° 36 'N
Longitud : 75 ° 51 'W
Altitud : 1570 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	26.1	20.1	71.3	0.0	4.1	4.1	7.2
2	15.1	26.0	20.0	78.3	.3	1.9	2.2	6.9
3	15.0	24.2	19.0	80.3	0.0	0.0	0.0	4.4
4	15.9	27.0	19.5	81.3	.7	0.0	.7	6.6
5	15.0	26.8	19.6	78.0	0.0	.2	.2	6.6
6	14.0	27.0	19.7	78.0	.4	0.0	.4	6.2
7	14.1	23.1	18.4	86.0	5.6	.5	6.1	1.6
8	15.3	24.8	19.1	82.0	.2	1.8	2.0	3.6
9	14.8	27.5	19.1	75.3	0.0	.2	.2	6.2
10	14.4	29.0	20.6	68.7	0.0	0.0	0.0	9.8
11	15.0	29.4	19.4	79.7	1.9	2.1	4.0	7.2
12	15.2	24.6	19.3	83.7	1.2	0.0	1.2	5.6
13	14.4	27.5	20.4	74.7	0.0	.2	.2	6.7
14	14.7	29.1	20.6	70.0	0.0	0.0	0.0	8.6
15	14.0	29.0	20.4	73.7	0.0	0.0	0.0	8.6
16	16.3	25.7	19.5	83.3	1.6	0.0	1.6	3.8
17	15.4	28.7	19.9	80.0	9.0	28.0	37.0	7.1
18	15.2	27.5	19.6	83.0	0.0	0.0	0.0	6.1
19	15.1	26.0	19.7	83.0	.6	5.9	6.5	6.1
20	15.0	27.2	19.4	80.3	.7	2.5	3.2	6.2
21	16.1	27.8	20.0	80.0	0.0	0.0	0.0	7.9
22	15.3	28.0	19.9	75.7	0.0	0.0	0.0	6.7
23	15.6	27.3	19.1	81.7	13.2	0.0	13.2	5.4
24	14.7	26.0	19.3	82.0	2.7	0.0	2.7	4.5
25	15.8	27.6	20.5	79.3	0.0	0.0	0.0	6.9
26	15.9	27.5	20.8	74.0	.2	1.9	2.1	6.2
27	16.0	27.1	20.6	81.7	5.1	.2	5.3	6.7
28	15.3	28.0	20.5	77.0	0.0	.2	.2	6.8
29	16.6	26.1	20.6	80.0	0.0	0.0	0.0	3.0
30	14.7	27.7	20.3	79.7	1.2	9.5	10.7	7.3
31	15.9	27.0	19.6	84.0	7.9	1.0	8.9	5.7
Total :					52.5	60.2	112.7	192.2
Promedio :	15.2	27.0	19.8	78.9				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.3	26.6	19.6	84.7	0.0	.8	.8	5.2
2	16.0	24.5	19.4	85.3	5.1	.9	6.0	4.2
3	15.3	24.2	18.4	84.3	2.2	7.4	9.6	3.9
4	16.3	25.9	19.8	80.3	.5	4.0	4.5	7.5
5	15.1	27.0	20.0	76.7	0.0	1.7	1.7	8.5
6	16.5	26.8	20.1	78.3	0.0	28.8	28.8	6.5
7	14.0	25.3	19.1	77.7	0.0	0.0	0.0	3.0
8	14.8	25.8	20.0	79.3	0.0	0.0	0.0	7.3
9	15.0	25.0	18.0	82.7	13.9	0.0	13.9	3.2
10	14.3	28.1	19.3	79.7	4.6	0.0	4.6	6.1
11	15.0	26.3	18.8	81.3	2.1	0.0	2.1	5.7
12	14.7	28.3	20.9	73.0	0.0	0.0	0.0	8.9
13	15.6	26.1	19.4	78.0	7.8	2.4	10.2	6.1
14	15.8	25.7	19.4	82.7	0.0	8.3	8.3	5.6
15	16.0	25.0	19.6	81.3	0.0	.5	.5	2.2
16	14.9	26.8	18.6	91.3	4.9	1.4	6.3	6.8
17	15.8	28.3	20.4	77.0	2.4	20.1	22.5	8.6
18	15.0	27.6	18.9	81.7	9.4	.4	9.8	3.6
19	15.7	24.8	19.2	83.0	2.6	.4	3.0	4.1
20	14.8	27.2	20.6	77.7	0.0	9.0	9.0	6.7
21	15.8	23.0	18.9	80.3	1.0	0.0	1.0	.4
22	14.2	26.0	19.2	81.0	2.9	0.0	2.9	4.5
23	13.3	26.7	19.3	80.0	.3	.2	.5	2.7
24	15.0	24.0	18.5	83.7	.6	0.0	.6	2.5
25	14.3	25.1	18.2	83.0	8.6	6.5	15.1	1.5
26	14.2	24.7	18.2	84.3	0.0	4.0	4.0	3.3
27	15.2	23.6	17.2	95.0	8.7	0.0	8.7	2.0
28	15.0	22.2	17.8	92.7	0.0	0.0	0.0	0.0
29	13.8	27.0	19.8	79.3	.4	0.0	.4	6.3
30	15.0	27.8	20.3	79.7	0.0	0.0	0.0	3.5
31	13.6	26.2	19.6	81.7	0.0	6.9	6.9	4.0
Total :					78.0	103.7	181.7	144.4
Promedio :	15.0	25.9	19.2	81.8				

Estación : MIGUEL VALENCIA
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : JARDIN

Latitud : 5 ° 36 'N
Longitud : 75 ° 51 'W
Altitud : 1570 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.3	25.0	19.9	84.3	.4	13.5	13.9	2.3
2	16.0	25.2	18.9	91.3	1.8	0.0	1.8	4.0
3	15.0	24.8	18.7	83.0	1.1	0.0	1.1	.7
4	14.6	27.0	19.6	78.3	0.0	16.3	16.3	4.6
5	14.0	26.9	19.6	80.0	0.0	0.0	0.0	5.5
6	14.5	27.2	19.9	77.0	1.6	.1	1.7	6.5
7	15.0	26.7	19.7	79.3	3.5	12.6	16.1	4.8
8	13.8	26.0	18.7	81.7	10.0	10.2	20.2	3.9
9	14.4	24.0	18.2	88.3	5.0	6.3	11.3	4.6
10	15.9	26.0	18.7	86.0	6.6	5.8	12.4	2.1
11	15.0	24.0	18.2	87.7	1.9	27.3	29.2	5.2
12	15.8	23.3	18.4	87.3	5.0	0.0	5.0	.9
13	15.4	25.0	18.4	82.0	2.4	10.0	12.4	2.3
14	14.9	20.0	17.0	94.7	1.6	0.0	1.6	.1
15	14.8	25.0	19.0	83.0	2.0	0.0	2.0	.9
16	14.4	27.4	19.6	80.7	0.0	29.4	29.4	5.3
17	15.2	24.0	18.8	85.3	.9	0.0	.9	.8
18	14.0	27.8	19.8	77.7	6.9	0.0	6.9	6.4
19	14.9	27.9	20.2	77.3	0.0	9.3	9.3	8.1
20	14.3	26.0	19.1	78.3	2.8	.9	3.7	5.2
21	13.8	27.0	18.2	80.7	4.4	16.9	21.3	5.9
22	15.0	23.4	18.6	84.3	7.7	.3	8.0	1.2
23	15.2	26.0	18.7	81.0	11.8	18.3	30.1	2.7
24	13.0	25.3	18.3	83.0	.2	26.8	27.0	5.5
25	15.8	23.2	18.2	87.3	1.7	11.7	13.4	1.2
26	15.0	23.5	18.4	82.7	2.9	5.6	8.5	2.3
27	14.9	25.8	18.3	78.7	2.5	5.0	7.5	3.5
28	15.0	24.0	18.0	87.0	1.0	8.8	9.8	.4
29	14.8	23.0	18.2	86.0	1.0	0.0	1.0	.7
30	14.0	24.8	18.1	83.3	1.3	.8	2.1	2.4
31								
Total :					88.0	235.9	323.9	100.0
Promedio :	14.8	25.2	18.8	83.2				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	24.0	17.4	87.7	8.5	.4	8.9	2.9
2	15.0	25.0	18.0	83.0	0.0	0.0	0.0	1.8
3	13.2	27.8	18.6	78.7	1.0	6.0	7.0	5.1
4	15.9	26.3	18.4	84.3	1.3	0.0	1.3	3.3
5	15.1	27.0	19.0	80.3	0.0	33.0	33.0	2.6
6	15.0	22.5	17.1	86.7	.7	.2	.9	0.0
7	13.6	26.0	18.2	77.3	0.0	0.0	0.0	5.6
8	14.8	25.8	18.2	80.0	0.0	0.0	0.0	2.9
9	16.0	27.0	20.0	81.7	3.2	2.4	5.6	4.5
10	15.0	24.0	17.8	89.3	1.0	0.0	1.0	2.2
11	15.2	25.0	18.4	87.7	.1	0.0	.1	3.3
12	16.0	26.0	19.7	81.3	0.0	0.0	0.0	4.4
13	15.2	27.8	19.7	76.7	0.0	0.0	0.0	7.3
14	14.9	26.0	19.6	79.0	0.0	1.9	1.9	5.1
15	15.7	25.0	19.1	82.0	.3	21.2	21.5	2.5
16	15.4	23.1	18.2	83.7	.7	0.0	.7	.5
17	15.0	26.6	18.1	81.3	.7	0.0	.7	1.5
18	14.2	26.0	19.3	80.3	.1	20.4	20.5	3.6
19	15.0	27.9	18.4	81.0	0.0	3.9	3.9	5.0
20	16.0	25.0	18.1	91.3	5.3	0.0	5.3	3.8
21	16.1	25.5	19.3	84.0	1.2	0.0	1.2	3.0
22	16.2	26.2	19.4	86.7	.6	6.2	6.8	3.5
23	16.5	24.0	19.1	85.0	.9	.2	1.1	1.2
24	16.0	26.2	19.1	85.0	4.7	0.0	4.7	1.9
25	15.2	22.8	17.9	93.3	13.0	0.0	13.0	2.2
26	14.0	25.6	18.7	81.7	0.0	24.1	24.1	1.7
27	16.0	25.8	19.4	87.7	1.0	9.5	10.5	4.4
28	15.7	24.0	17.8	91.7	4.0	42.5	46.5	1.5
29	13.9	24.8	18.2	84.7	2.5	10.6	13.1	6.6
30	15.8	24.5	18.7	85.3	3.2	0.0	3.2	2.2
31	14.9	26.8	19.2	81.0	0.0	0.0	0.0	3.1
Total :					54.0	182.5	236.5	99.2
Promedio :	15.2	25.5	18.6	83.9				

Estación : MIGUEL VALENCIA
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : JARDIN

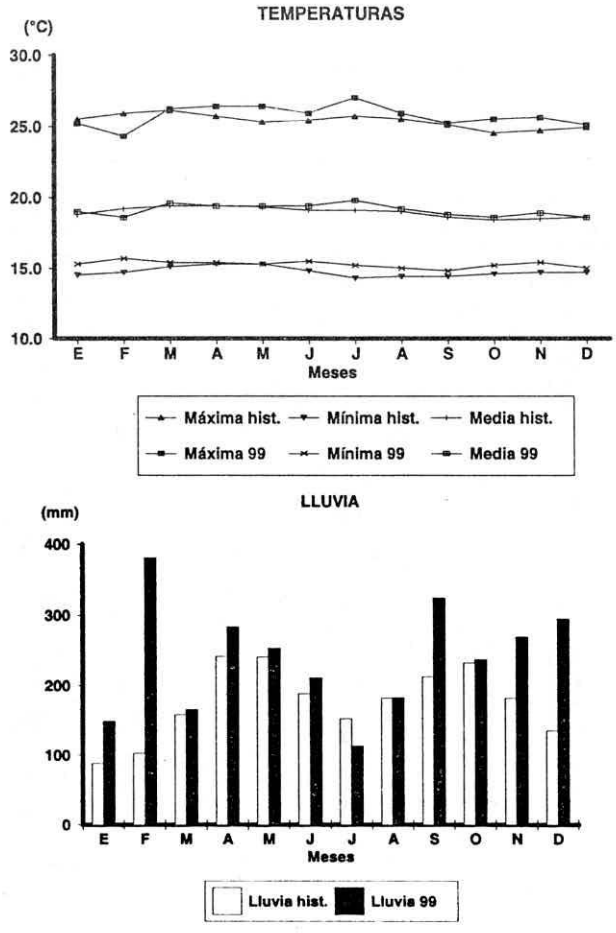
Latitud : 5 ° 36 'N
Longitud : 75 ° 51 'W
Altitud : 1570 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	27.7	18.8	77.0	.3	.3	.6	7.2
2	16.0	27.0	20.4	78.0	0.0	10.0	10.0	5.4
3	16.2	27.3	19.8	78.7	.1	.4	.5	5.6
4	15.3	25.8	18.1	85.0	1.7	2.2	3.9	5.6
5	16.0	28.8	20.0	78.3	.8	.3	1.1	6.0
6	16.2	26.0	18.8	90.0	1.9	.7	2.6	1.2
7	15.0	23.4	17.7	95.0	5.2	.6	5.8	2.1
8	16.2	23.5	18.8	88.0	1.2	3.0	4.2	.5
9	17.0	26.6	20.2	81.7	0.0	4.8	4.8	4.1
10	17.1	29.2	21.8	75.3	0.0	5.4	5.4	8.0
11	16.1	24.0	18.6	85.7	3.8	0.0	3.8	1.2
12	14.6	26.2	18.4	80.3	1.0	14.0	15.0	2.7
13	15.3	21.6	17.6	90.0	3.2	0.0	3.2	.2
14	14.2	28.3	19.4	79.0	0.0	15.0	15.0	6.3
15	15.0	24.0	18.2	86.7	0.0	0.0	0.0	1.9
16	14.0	27.4	18.6	81.7	0.0	15.0	15.0	5.5
17	15.0	27.2	19.8	78.7	0.0	24.0	24.0	8.3
18	16.0	22.3	17.8	91.0	2.0	12.0	14.0	.9
19	15.4	23.5	18.8	83.3	11.0	12.0	23.0	1.2
20	14.5	24.4	18.8	81.7	.8	2.8	3.6	2.6
21	15.8	25.0	18.6	84.0	15.0	23.0	38.0	4.3
22	15.0	24.0	18.5	85.0	17.0	3.0	20.0	3.0
23	14.8	26.6	19.2	80.3	.2	4.3	4.5	6.6
24	15.2	25.0	17.9	84.0	2.5	31.0	33.5	2.8
25	13.2	23.0	16.1	85.0	.8	7.9	8.7	2.8
26	14.9	27.3	19.3	75.3	0.0	0.0	0.0	6.1
27	15.0	25.2	18.7	79.0	0.0	0.0	0.0	8.4
28	16.1	26.0	20.1	76.7	0.0	0.0	0.0	4.8
29	15.0	26.0	18.5	80.3	0.0	0.0	0.0	5.5
30	16.2	26.2	18.6	82.7	3.5	5.8	9.3	3.3
31								
Total					72.0	197.5	269.5	124.1
Promedio :	15.4	25.6	18.9	82.6				

Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.2	20.0	17.2	93.0	2.4	0.0	2.4	.1
2	15.0	26.3	18.8	81.0	.7	8.6	9.3	5.2
3	15.3	24.0	18.6	84.0	0.0	40.0	40.0	3.4
4	16.0	25.0	19.0	85.3	11.0	24.0	35.0	3.1
5	15.0	24.4	17.3	86.3	.2	.6	.8	4.2
6	13.5	25.2	18.6	82.7	4.3	1.1	5.4	4.1
7	16.2	26.0	20.0	76.0	.2	0.0	.2	3.9
8	16.0	26.1	19.8	78.7	0.0	0.0	0.0	7.7
9	15.8	27.4	19.4	81.3	0.0	0.0	0.0	8.0
10	16.2	23.4	19.1	86.3	.6	0.0	.6	.7
11	15.0	24.0	18.4	84.0	2.7	2.2	4.9	2.1
12	16.0	23.6	18.4	85.0	2.3	.1	2.4	1.0
13	16.1	25.0	19.2	81.3	.4	69.6	70.0	1.5
14	15.4	24.2	19.0	84.3	0.0	2.8	2.8	2.5
15	16.0	26.8	19.1	81.7	0.0	12.9	12.9	4.3
16	15.2	26.0	18.3	80.3	0.0	5.9	5.9	4.1
17	15.1	26.4	18.9	77.7	0.0	25.0	25.0	5.3
18	16.0	25.0	18.9	82.7	0.0	38.0	38.0	3.0
19	14.0	27.6	19.6	75.7	0.0	4.6	4.6	8.3
20	16.8	25.2	19.0	84.3	1.0	0.0	1.0	3.6
21	15.1	28.0	20.6	77.0	0.0	1.9	1.9	8.1
22	17.0	23.0	18.3	89.3	1.2	.5	1.7	.7
23	15.0	27.0	19.5	78.3	1.5	1.4	2.9	7.7
24	15.4	22.0	17.1	89.0	20.0	5.0	25.0	.1
25	14.7	21.8	17.2	85.3	0.0	0.0	0.0	1.6
26	11.2	26.0	17.6	79.0	0.0	.5	.5	7.6
27	14.0	27.0	18.2	77.3	0.0	0.0	0.0	8.6
28	12.0	25.0	17.8	77.7	0.0	0.0	0.0	7.5
29	13.1	23.5	16.9	84.7	0.0	0.0	0.0	4.5
30	14.2	26.1	19.2	72.3	0.0	1.4	1.4	7.3
31	13.6	27.2	19.0	79.0	0.0	0.0	0.0	7.5
Total					48.5	246.1	294.6	137.3
Promedio :	15.0	25.1	18.6	82.0				

Estación : MIGUEL VALENCIA **Dpto. :** ANTIOQUIA **Latitud :** 5 ° 36 'N
Año : 1999 **Mpio. :** JARDIN **Longitud :** 75 ° 51 'W
Altitud : 1570 m

MES	TEMPERATURA °C					PRECIPITACION			
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	15.3	25.2	19.0	28.0	13.2	81.4	148.3	22	109.0
Febrero	15.7	24.3	18.6	28.0	14.0	84.5	380.1	28	61.7
Marzo	15.4	26.2	19.6	29.6	13.0	79.8	164.9	23	120.3
Abril	15.4	26.4	19.4	29.8	12.9	81.4	283.1	25	121.1
Mayo	15.3	26.4	19.4	29.4	13.0	81.6	253.3	23	154.0
Junio	15.5	25.9	19.4	29.4	13.6	81.7	209.9	26	111.6
Julio	15.2	27.0	19.8	29.4	14.0	78.9	112.7	22	192.2
Agosto	15.0	25.9	19.2	28.3	13.3	81.8	181.7	26	144.4
Septiembre	14.8	25.2	18.8	27.9	13.0	83.2	323.9	29	100.0
Octubre	15.2	25.5	18.6	27.9	13.2	83.9	236.5	25	99.2
Noviembre	15.4	25.6	18.9	29.2	13.2	82.6	269.5	25	124.1
Diciembre	15.0	25.1	18.6	28.0	11.2	82.0	294.6	24	137.3
Promedio :	15.3	25.7	19.1			81.9			
Absoluta :				29.8	11.2				
Total :							2858.5	298	1474.9



Estación : BERTHA
Año : 1999

Dpto. : BOYACA
Mpio. : MONIQUIRA

Latitud : 5 ° 53 'N
Longitud : 73 ° 34 'W
Altitud : 1700 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.0	26.8	18.8	75.3	0.0	0.0	0.0	3.2
2	12.0	26.1	18.0	82.0	3.5	0.0	3.5	2.9
3	12.9	28.0	19.9	76.0	0.0	.6	.6	8.2
4	15.0	27.4	19.1	75.7	0.0	0.0	0.0	7.9
5	12.2	27.0	19.2	75.3	0.0	0.0	0.0	8.5
6	14.9	26.4	19.2	75.0	0.0	0.0	0.0	8.2
7	13.9	26.5	19.7	72.0	0.0	0.0	0.0	7.4
8	13.6	27.0	19.2	76.0	0.0	24.8	24.8	6.7
9	15.1	26.8	20.0	76.0	0.0	.5	.5	6.7
10	16.0	25.8	19.4	81.3	.3	0.0	.3	2.3
11	15.0	24.9	18.5	81.0	3.0	5.5	8.5	3.0
12	14.1	24.6	17.4	79.0	0.0	0.0	0.0	3.5
13	14.0	26.4	17.7	76.0	0.0	0.0	0.0	7.8
14	10.1	24.7	16.7	75.3	0.0	0.0	0.0	4.0
15	13.2	24.9	18.0	75.3	0.0	0.0	0.0	5.3
16	11.0	26.0	17.6	74.0	1.1	1.4	2.5	9.0
17	12.0	26.2	19.0	75.0	0.0	0.0	0.0	5.3
18	11.9	27.0	18.4	77.0	0.0	0.0	0.0	5.2
19	14.0	26.9	18.0	77.7	16.1	0.0	16.1	9.2
20	13.1	26.2	18.0	79.7	2.2	2.2	4.4	5.0
21	10.0	26.0	17.7	79.3	0.0	0.0	0.0	5.3
22	13.4	25.0	18.8	81.0	4.4	32.0	36.4	2.0
23	13.6	24.8	17.8	82.3	9.4	0.0	9.4	4.0
24	11.9	25.1	17.8	80.7	1.4	0.0	1.4	4.9
25	14.8	26.0	18.6	78.7	1.7	.3	2.0	4.3
26	14.9	27.6	19.8	74.7	0.0	0.0	0.0	6.9
27	15.4	28.0	20.4	73.3	0.0	0.0	0.0	8.0
28	15.9	28.1	20.0	72.0	.2	0.0	.2	3.3
29	15.8	28.4	21.0	68.7	0.0	0.0	0.0	7.8
30	12.0	29.1	20.6	66.3	0.0	2.5	2.5	8.2
31	15.0	29.0	20.8	75.0	.8	1.0	1.8	6.1
Total :					44.1	70.8	114.9	180.1
Promedio :	13.6	26.5	18.9	76.3				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.2	28.3	20.6	74.3	0.0	1.1	1.1	5.6
2	14.5	28.4	22.3	69.7	0.0	1.8	1.8	6.4
3	14.1	24.7	18.6	84.0	1.3	19.8	21.1	4.8
4	14.9	23.5	18.6	78.3	.2	3.7	3.9	5.8
5	14.0	24.8	18.8	79.0	.1	1.2	1.3	6.9
6	15.0	22.0	17.2	84.0	5.9	2.8	8.7	4.9
7	12.6	25.0	17.8	80.3	0.0	0.0	0.0	5.8
8	15.0	26.8	18.8	76.0	.5	0.0	.5	5.1
9	13.7	27.9	19.4	76.3	12.2	0.0	12.2	5.4
10	13.9	21.3	17.8	89.3	6.1	.2	6.3	.1
11	12.5	25.0	17.2	84.0	24.6	8.5	33.1	4.3
12	13.3	26.5	19.0	79.3	1.2	29.7	30.9	5.2
13	13.0	26.2	18.8	75.0	0.0	5.0	5.0	.4
14	13.2	24.0	18.0	80.7	1.0	4.0	5.0	3.0
15	15.2	28.7	20.6	74.3	1.3	1.6	2.9	2.7
16	16.0	29.0	20.7	75.3	2.8	0.0	2.8	3.5
17	15.0	28.0	18.8	75.7	.3	2.9	3.2	1.6
18	14.4	27.5	18.8	75.7	.2	5.2	5.4	1.8
19	15.0	23.8	18.6	77.7	0.0	5.7	5.7	1.6
20	14.5	25.8	18.0	81.0	11.7	.1	11.8	0.0
21	15.2	26.8	19.5	76.0	0.0	3.7	3.7	4.6
22	13.8	23.2	17.4	83.7	3.3	.1	3.4	1.0
23	14.7	24.3	18.7	76.0	0.0	1.5	1.5	1.3
24	14.9	23.9	17.6	82.7	29.7	.1	29.8	5.3
25	14.1	25.2	18.0	82.3	1.2	0.0	1.2	5.0
26	12.0	26.1	19.0	78.0	0.0	5.4	5.4	4.0
27	14.8	26.0	18.1	81.0	2.1	38.9	41.0	3.2
28	14.4	25.0	18.9	77.3	0.0	0.0	0.0	1.3
29								
30								
31								
Total :					105.7	143.0	248.7	100.6
Promedio :	14.2	25.6	18.8	78.8				

Estación : BERTHA
Año : 1999

Dpto. : BOYACA
Mpio. : MONIQUIRA

Latitud : 5 ° 53 'N
Longitud : 73 ° 34 'W
Altitud : 1700 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.9	27.1	21.2	68.7	0.0	0.0	0.0	
2	16.2	27.0	19.2	77.0	0.0	1.7	1.7	
3	12.0	26.9	19.0	77.7	0.0	0.0	0.0	
4	15.6	26.0	19.5	79.3	0.0	0.0	0.0	
5	14.0	25.8	20.0	73.0	0.0	0.0	0.0	
6	12.0	25.6	18.3	77.7	0.0	0.0	0.0	
7	12.5	27.0	19.6	72.7	0.0	0.0	0.0	
8	14.6	25.6	19.2	73.0	0.0	0.0	0.0	
9	14.7	26.0	18.8	78.0	0.0	0.0	0.0	
10	13.8	25.2	17.8	80.3	1.0	0.0	1.0	
11	13.2	28.6	19.4	74.7	0.0	0.0	0.0	
12	13.0	28.5	19.4	69.7	.1	.1	.2	
13	12.0	27.8	18.8	74.7	.1	.2	.3	
14	11.9	27.5	18.0	78.7	15.1	.6	15.7	
15	13.8	20.8	17.2	83.3	4.9	0.0	4.9	
16	13.9	25.3	18.2	79.7	5.5	0.0	5.5	
17	14.2	25.6	18.4	80.7	0.0	12.5	12.5	
18	14.3	25.4	18.8	76.7	0.0	0.0	0.0	
19	13.7	26.0	19.0	76.7	0.0	0.0	0.0	
20	13.0	26.5	18.6	73.7	0.0	0.0	0.0	
21	14.0	26.0	18.9	77.0	0.0	.2	.2	
22	13.2	25.4	18.6	78.3	1.0	0.0	1.0	
23	14.9	25.1	18.9	80.7	1.3	2.7	4.0	
24	14.8	26.5	18.5	81.3	9.1	.1	9.2	
25	14.0	26.0	19.4	76.0	0.0	10.8	10.8	
26	10.9	27.1	19.8	71.7	0.0	0.0	0.0	
27	14.8	24.0	18.7	82.0	0.0	3.9	3.9	
28	14.7	23.0	17.4	85.3	11.3	0.0	11.3	
29	12.6	25.4	18.2	87.7	7.7	0.0	7.7	
30	13.6	27.0	19.4	76.0	0.0	9.3	9.3	
31	14.2	26.0	19.2	78.0	0.0	0.0	0.0	
Total :					57.1	42.1	99.2	
Promedio :	13.7	26.0	18.9	77.4				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	13.0	27.5	18.9	78.0	.1	0.0	.1	1.1
2	14.7	25.0	18.8	77.3	0.0	0.0	0.0	1.7
3	12.7	27.0	20.3	74.3	1.9	17.7	19.6	3.9
4	14.0	24.0	16.2	94.7	5.5	0.0	5.5	2.2
5	11.2	26.8	19.2	74.3	0.0	0.0	0.0	1.0
6	12.4	27.2	19.6	73.7	0.0	4.3	4.3	1.4
7	12.0	28.0	21.1	65.3	3.0	2.8	5.8	1.3
8	11.9	28.4	18.8	80.7	6.8	2.8	9.6	.7
9	15.0	27.0	18.8	76.7	.5	.1	.6	0.0
10	13.1	25.0	18.1	87.0	1.4	0.0	1.4	0.0
11	14.0	25.4	17.6	82.0	28.9	5.6	34.5	1.4
12	15.5	26.3	18.3	80.0	12.0	1.4	13.4	2.5
13	14.7	25.4	19.2	82.7	.9	0.0	.9	2.1
14	13.6	24.2	17.0	94.7	6.1	.2	6.3	2.0
15	14.8	25.0	18.0	81.3	1.9	0.0	1.9	1.7
16	10.2	29.1	19.8	63.0	0.0	0.0	0.0	1.9
17	9.2	28.0	19.1	69.7	0.0	0.0	0.0	3.8
18	10.8	29.0	21.2	73.7	0.0	0.0	0.0	6.1
19	11.8	27.7	19.0	75.3	0.0	0.0	0.0	4.6
20	14.0	26.0	19.4	75.0	1.0	0.0	1.0	3.6
21	15.0	26.8	19.8	75.7	0.0	0.0	0.0	5.6
22	14.9	23.0	17.6	84.3	15.2	0.0	15.2	6.9
23	15.2	23.2	18.6	86.0	6.1	.1	6.2	2.8
24	16.0	21.8	18.6	83.7	0.0	0.0	0.0	2.3
25	14.4	25.8	17.8	78.0	16.3	11.2	27.5	1.0
26	14.0	25.1	18.8	81.3	.4	24.3	24.7	3.1
27	14.2	22.0	17.2	84.0	3.2	.1	3.3	0.0
28	14.8	24.0	17.2	82.7	17.5	2.0	19.5	1.3
29	13.2	27.4	19.8	75.0	0.0	13.9	13.9	8.5
30	13.0	25.1	19.4	78.3	10.0	0.0	10.0	.6
31								
Total :					138.7	86.5	225.2	75.1
Promedio :	13.4	25.9	18.8	78.9				

Estación : BERTHA
Año : 1999

Dpto. : BOYACA
Mpio. : MONIQUIRA

Latitud : 5 ° 53 'N
Longitud : 73 ° 34 'W
Altitud : 1700 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	13.5	26.9	19.6	75.7	8.9	0.0	8.9	2.4
2	13.0	25.9	18.1	80.7	7.1	.8	7.9	3.2
3	12.9	27.0	19.0	77.3	1.0	0.0	1.0	5.8
4	14.0	26.0	18.0	80.3	7.0	1.0	8.0	3.0
5	14.2	27.5	18.6	78.0	.9	1.0	1.9	5.8
6	13.3	26.4	18.4	80.0	0.0	0.0	0.0	7.0
7	14.0	26.5	18.4	79.0	4.0	0.0	4.0	3.7
8	15.2	24.8	19.2	81.0	0.0	6.0	6.0	1.4
9	15.0	24.9	18.6	82.0	1.2	8.1	9.3	.8
10	15.1	25.0	18.5	79.7	.6	4.6	5.2	1.1
11	15.0	26.0	18.5	84.3	1.3	5.0	6.3	2.5
12	14.0	25.8	18.2	83.0	10.1	5.6	15.7	4.5
13	13.3	26.2	18.2	77.0	5.7	0.0	5.7	4.7
14	13.8	26.0	18.2	79.7	4.6	0.0	4.6	.6
15	13.7	28.1	20.4	74.0	0.0	0.0	0.0	7.1
16	10.9	26.3	19.2	76.7	0.0	0.0	0.0	7.0
17	12.0	27.6	19.7	75.0	.3	3.6	3.9	0.0
18	12.2	26.9	19.1	80.0	.2	1.1	1.3	5.7
19	12.8	27.0	19.5	74.7	0.0	.2	.2	6.2
20	13.9	26.7	18.7	80.7	0.0	0.0	0.0	2.2
21	13.0	24.2	18.8	83.0	.8	.4	1.2	.8
22	12.4	23.4	17.0	86.0	31.5	0.0	31.5	2.4
23	15.2	29.2	20.6	78.7	0.0	6.6	6.6	7.7
24	12.2	29.6	21.2	72.3	0.0	0.0	0.0	9.1
25	11.8	27.8	19.7	75.3	0.0	0.0	0.0	8.6
26	12.9	27.6	20.5	72.0	0.0	0.0	0.0	9.2
27	15.6	28.8	21.4	74.0	0.0	0.0	0.0	8.1
28	13.6	28.2	19.7	80.7	3.1	0.0	3.1	5.4
29	13.5	28.0	18.2	84.0	10.0	16.0	26.0	1.8
30	14.2	27.5	19.6	82.3	.7	.2	.9	2.9
31	13.0	29.2	20.1	69.7	.7	7.5	8.2	5.3
Total :					99.7	67.7	167.4	136.0
Promedio :	13.5	26.8	19.1	78.6				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.5	25.3	19.0	87.0	1.9	0.0	1.9	2.1
2	14.2	28.7	21.2	73.3	0.0	0.0	0.0	10.0
3	11.8	27.3	19.4	72.3	0.0	0.0	0.0	9.8
4	15.0	24.1	18.4	81.3	29.0	5.7	34.7	.6
5	13.6	25.2	17.9	80.0	.5	0.0	.5	1.3
6	12.0	23.2	17.2	89.7	2.0	0.0	2.0	2.4
7	13.9	27.0	17.8	79.7	0.0	0.0	0.0	4.0
8	13.1	24.9	17.2	90.3	10.5	0.0	10.5	3.4
9	12.9	23.9	17.3	82.7	0.0	0.0	0.0	1.6
10	12.8	28.7	19.8	74.0	.5	0.0	.5	6.6
11	12.4	28.5	19.4	76.7	5.0	0.0	5.0	5.8
12	15.0	23.3	18.2	82.3	0.0	0.0	0.0	4.5
13	13.0	25.1	18.0	80.7	8.6	1.0	9.6	5.8
14	12.9	22.7	17.5	82.0	2.5	12.5	15.0	.8
15	14.8	25.0	18.7	76.7	0.0	11.3	11.3	5.4
16	15.2	23.3	18.2	81.7	1.3	4.5	5.8	2.1
17	15.0	26.0	18.7	80.3	0.0	1.5	1.5	2.9
18	13.7	23.4	18.0	81.7	2.0	0.0	2.0	2.8
19	12.9	23.0	18.0	84.3	19.2	0.0	19.2	3.1
20	14.0	27.4	19.0	82.0	12.0	0.0	12.0	8.4
21	13.3	25.0	17.0	89.7	5.0	0.0	5.0	2.8
22	12.4	24.0	17.4	79.3	19.0	0.0	19.0	3.6
23	10.7	24.2	18.0	78.7	0.0	0.0	0.0	4.8
24	11.9	24.3	16.9	78.7	9.0	0.0	9.0	4.9
25	12.2	25.2	17.1	78.0	0.0	.5	.5	3.6
26	13.0	27.2	19.0	74.0	0.0	.4	.4	5.9
27	15.0	24.9	18.6	84.0	15.0	10.0	25.0	1.4
28	14.2	23.3	18.4	80.7	0.0	16.0	16.0	2.4
29	14.8	25.2	18.9	77.7	0.0	0.0	0.0	5.3
30	10.0	26.8	17.0	76.3	27.4	0.0	27.4	8.3
31								
Total :					170.4	63.4	233.8	126.4
Promedio :	13.3	25.2	18.2	80.5				

Estación : BERTHA | **Dpto. : BOYACA** | **Latitud : 5 ° 53 'N**
Año : 1999 | **Mpio. : MONIQUIRA** | **Longitud : 73 ° 34 'W**
Altitud : 1700 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	11.6	24.0	17.2	79.3	.2	4.0	4.2	2.8
2	13.0	23.2	17.8	79.3	0.0	0.0	0.0	6.9
3	12.4	23.5	16.4	79.0	10.2	0.0	10.2	2.5
4	11.1	24.0	18.0	80.0	0.0	0.0	0.0	5.4
5	12.1	26.1	17.5	74.0	4.0	0.0	4.0	3.7
6	11.7	27.0	19.3	72.3	0.0	0.0	0.0	6.6
7	12.0	21.4	16.8	88.3	16.3	13.0	29.3	2.8
8	12.4	25.0	16.8	77.0	.9	0.0	.9	5.8
9	12.2	24.6	18.3	74.7	0.0	0.0	0.0	7.4
10	8.0	25.3	17.8	71.0	0.0	0.0	0.0	6.4
11	10.2	26.8	18.2	77.7	10.0	9.0	19.0	7.8
12	13.7	25.8	18.3	75.7	0.0	0.0	0.0	4.7
13	15.0	26.0	19.0	73.0	0.0	0.0	0.0	5.5
14	12.5	26.8	19.7	63.0	0.0	0.0	0.0	8.0
15	10.0	27.2	18.8	67.3	0.0	11.6	11.6	7.4
16	11.2	24.0	17.3	76.7	0.0	0.0	0.0	2.7
17	9.0	27.8	16.6	75.0	0.0	0.0	0.0	6.8
18	11.7	28.4	21.2	72.0	0.0	0.0	0.0	7.0
19	13.0	27.2	18.0	77.0	4.9	.7	5.6	6.6
20	13.8	26.8	19.2	74.7	0.0	0.0	0.0	4.7
21	13.9	26.0	19.0	76.3	0.0	0.0	0.0	4.8
22	11.4	26.6	19.1	70.7	0.0	0.0	0.0	4.4
23	11.8	24.8	18.4	73.3	0.0	0.0	0.0	4.1
24	12.0	25.0	18.0	81.0	3.0	1.0	4.0	3.9
25	11.4	28.2	20.9	62.7	0.0	0.0	0.0	4.8
26	10.5	26.2	19.4	73.3	0.0	5.9	5.9	3.5
27	12.9	26.5	18.5	76.7	7.2	0.0	7.2	4.7
28	11.6	28.0	18.6	73.0	0.0	0.0	0.0	4.8
29	13.0	22.8	17.4	79.7	0.0	12.0	12.0	1.1
30	11.2	26.5	18.4	78.0	2.0	0.0	2.0	5.8
31	12.9	23.6	18.1	81.7	0.0	0.0	0.0	2.0
Total :					58.7	57.2	115.9	155.4
Promedio :	11.9	25.6	18.3	75.3				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	13.0	26.8	19.0	74.0	0.0	0.0	0.0	2.2
2	11.8	26.0	18.2	83.3	3.0	0.0	3.0	2.8
3	14.8	24.8	18.8	77.0	1.2	0.0	1.2	4.6
4	13.5	24.9	18.9	80.0	0.0	0.0	0.0	7.0
5	11.2	25.4	18.6	80.0	0.0	0.0	0.0	5.4
6	13.0	27.0	19.0	77.0	9.0	0.0	9.0	2.8
7	11.9	25.8	19.3	75.0	0.0	0.0	0.0	3.8
8	13.4	25.0	18.0	79.0	3.0	0.0	3.0	3.5
9	13.0	25.4	18.2	78.0	0.0	0.0	0.0	2.2
10	13.2	25.0	18.2	77.0	0.0	0.0	0.0	4.4
11	13.5	26.6	18.2	78.0	11.0	0.0	11.0	5.2
12	9.8	25.2	17.2	80.0	0.0	0.0	0.0	5.5
13	10.2	24.5	16.0	89.0	7.0	0.0	7.0	2.4
14	13.5	26.8	18.4	77.0	0.0	0.0	0.0	4.7
15	12.2	24.8	19.2	76.3	0.0	0.0	0.0	4.3
16	13.0	26.4	18.7	76.3	.5	0.0	.5	4.7
17	12.8	27.0	18.2	77.7	0.0	3.0	3.0	4.4
18	14.7	28.5	20.4	71.3	0.0	0.0	0.0	7.5
19	11.2	27.4	18.4	76.3	3.0	0.0	3.0	8.5
20	10.4	25.3	17.5	76.0	3.0	10.0	13.0	5.8
21	13.0	24.5	17.8	81.3	0.0	12.0	12.0	2.3
22	15.0	22.5	18.0	83.0	6.0	0.0	6.0	.5
23	12.0	27.0	17.6	74.7	15.0	0.0	15.0	5.1
24	13.5	25.8	18.5	75.3	0.0	6.0	6.0	3.1
25	14.1	23.3	17.1	90.7	3.0	11.0	14.0	2.1
26	14.8	26.0	18.4	81.0	0.0	0.0	0.0	2.0
27	14.0	25.5	18.1	79.3	14.0	0.0	14.0	1.9
28	14.9	24.2	18.2	81.0	0.0	0.0	0.0	.4
29	13.0	27.6	20.0	75.7	0.0	0.0	0.0	5.5
30	13.8	26.5	19.5	61.0	0.0	0.0	0.0	3.8
31	10.7	27.0	19.0	70.3	0.0	0.0	0.0	5.6
Total :					78.7	42.0	120.7	124.0
Promedio :	12.9	25.8	18.4	77.8				

Estación : BERTHA
Año : 1999

Dpto. : BOYACA
Mpio. : MONIQUIRA

Latitud : 5 ° 53 'N
Longitud : 73 ° 34 'W
Altitud : 1700 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	10.8	27.0	16.6	86.0	26.8	0.0	26.8	2.2
2	12.0	23.8	17.8	80.7	0.0	0.0	0.0	.7
3	15.0	25.0	18.2	81.0	3.2	0.0	3.2	2.1
4	14.2	26.3	18.9	79.0	0.0	9.2	9.2	5.3
5	13.5	23.3	16.9	81.0	1.2	0.0	1.2	.8
6	9.8	26.0	17.1	77.3	3.4	0.0	3.4	5.1
7	11.7	27.8	19.5	72.7	0.0	0.0	0.0	6.8
8	12.8	24.5	17.1	78.7	5.8	0.0	5.8	3.6
9	13.9	23.2	17.4	91.0	1.4	16.2	17.6	4.4
10	14.8	25.5	18.5	93.3	8.2	.2	8.4	2.8
11	13.7	25.0	18.4	94.7	3.2	14.8	18.0	5.7
12	14.8	24.2	18.0	79.7	.2	3.8	4.0	1.3
13	15.0	25.0	17.9	79.3	1.4	2.8	4.2	2.8
14	14.4	21.0	16.8	84.3	0.0	.1	.1	.3
15	13.5	24.0	18.0	80.7	.5	1.0	1.5	.3
16	14.7	26.4	18.7	79.0	11.4	0.0	11.4	5.2
17	14.0	24.2	17.2	73.0	0.0	0.0	0.0	.1
18	9.8	24.0	17.8	77.3	0.0	2.1	2.1	2.2
19	11.6	25.4	19.2	71.0	0.0	0.0	0.0	4.0
20	13.2	27.0	19.2	71.0	0.0	0.0	0.0	6.0
21	11.0	25.0	17.3	79.3	.5	0.0	.5	2.8
22	13.0	21.4	16.5	86.0	0.0	6.0	6.0	.2
23	13.6	24.6	17.4	78.0	2.7	.1	2.8	.8
24	12.5	25.0	16.1	78.0	5.6	17.3	22.9	5.0
25	14.0	25.1	17.6	79.3	5.5	0.0	5.5	5.9
26	14.6	24.0	17.6	80.7	.3	1.2	1.5	3.9
27	14.0	24.1	17.4	78.7	1.0	.2	1.2	1.0
28	15.0	20.5	16.2	88.7	11.1	0.0	11.1	0.0
29	12.5	25.0	18.5	78.3	0.0	16.7	16.7	4.5
30	14.6	24.3	17.6	81.7	4.5	0.0	4.5	4.5
31								
Total :					97.9	91.7	189.6	90.3
Promedio :	13.3	24.6	17.7	80.6				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	11.6	24.4	17.0	81.7	22.5	15.6	38.1	2.9
2	13.4	26.5	18.7	83.0	6.0	5.0	11.0	5.5
3	14.2	27.0	18.8	75.0	7.0	6.0	13.0	3.8
4	13.2	24.9	17.8	74.7	0.0	0.0	0.0	4.4
5	13.0	24.0	18.3	78.3	.5	1.7	2.2	1.4
6	13.4	25.4	16.0	92.0	8.7	2.1	10.8	2.5
7	14.0	25.0	18.0	79.7	2.0	0.0	2.0	3.2
8	12.5	25.2	18.2	74.7	.2	0.0	.2	2.7
9	11.0	27.0	17.3	77.3	1.4	3.8	5.2	7.4
10	14.2	26.2	18.6	80.3	0.0	0.0	0.0	2.6
11	13.8	23.5	17.7	81.7	0.0	1.5	1.5	1.5
12	13.0	24.2	17.4	80.7	0.0	0.0	0.0	3.1
13	10.2	25.8	18.0	73.7	0.0	0.0	0.0	3.4
14	12.0	26.2	19.0	74.7	0.0	.4	.4	6.0
15	11.6	25.2	19.1	80.3	9.4	12.2	21.6	3.4
16	12.6	24.0	18.0	76.3	0.0	23.0	23.0	3.4
17	13.6	23.0	17.8	83.7	.5	.3	.8	3.1
18	13.9	26.0	16.8	90.0	3.4	0.0	3.4	4.6
19	12.5	26.9	18.8	75.7	2.9	.1	3.0	6.9
20	15.0	26.0	19.2	76.7	1.2	.3	1.5	5.6
21	15.1	27.2	19.5	74.0	.8	12.6	13.4	6.3
22	14.7	24.0	16.0	91.7	7.6	1.6	9.2	3.9
23	14.2	25.0	17.6	78.0	9.4	52.0	61.4	4.6
24	14.5	23.0	17.8	83.3	1.5	19.1	20.6	0.0
25	14.0	25.2	18.8	82.3	6.7	7.1	13.8	2.6
26	15.0	25.1	19.5	77.7	0.0	11.0	11.0	6.0
27	15.0	27.0	20.1	72.3	0.0	3.9	3.9	9.2
28	15.2	25.0	19.0	74.7	0.0	6.9	6.9	5.2
29	13.4	26.0	19.2	73.7	0.0	46.0	46.0	7.9
30	14.6	24.0	17.0	85.7	44.1	0.0	44.1	2.6
31	11.0	26.3	19.6	76.3	0.0	.5	.5	9.0
Total :					135.8	232.7	368.5	134.7
Promedio :	13.4	25.3	18.2	79.4				

Estación : BERTHA
Año : 1999

Dpto. : BOYACA
Mpio. : MONIQUIRA

Latitud : 5 ° 53 'N
Longitud : 73 ° 34 'W
Altitud : 1700 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	27.5	20.6	71.3	0.0	0.0	0.0	7.7
2	14.2	26.4	19.8	71.3	0.0	0.0	0.0	8.0
3	14.1	25.0	18.4	79.3	0.0	0.0	0.0	1.4
4	15.8	26.2	19.6	74.7	.4	3.7	4.1	5.4
5	14.7	26.8	19.4	79.7	0.0	1.5	1.5	7.0
6	13.8	25.7	19.0	75.3	0.0	3.8	3.8	6.3
7	14.6	26.2	19.0	78.3	4.3	.9	5.2	4.9
8	15.0	25.5	19.4	74.7	0.0	6.0	6.0	0.0
9	14.5	25.2	19.2	80.0	0.0	0.0	0.0	4.6
10	13.0	26.8	20.0	76.3	0.0	1.9	1.9	7.0
11	14.9	23.0	18.7	83.3	0.0	0.0	0.0	1.1
12	14.0	26.2	18.7	79.3	2.4	.5	2.9	6.5
13	15.0	26.0	19.4	75.7	0.0	0.0	0.0	6.0
14	13.0	26.9	19.2	76.0	0.0	0.0	0.0	4.1
15	14.0	26.6	18.6	77.7	0.0	0.0	0.0	6.6
16	13.3	26.0	18.9	76.0	1.1	.6	1.7	8.5
17	12.2	24.0	16.6	87.0	1.9	11.5	13.4	2.6
18	15.0	21.1	17.2	84.3	8.1	8.9	17.0	0.0
19	14.9	25.5	18.6	79.3	3.5	1.2	4.7	3.6
20	14.8	23.8	17.9	78.7	0.0	3.2	3.2	2.3
21	15.0	25.1	17.6	77.0	0.0	0.0	0.0	7.3
22	12.8	25.0	18.0	76.0	0.0	0.0	0.0	6.2
23	14.0	26.0	18.4	75.7	0.0	0.0	0.0	7.5
24	13.0	25.1	18.3	73.7	0.0	0.0	0.0	7.9
25	13.8	24.5	17.6	75.0	0.0	3.6	3.6	3.0
26	14.2	25.0	18.0	78.0	0.0	0.0	0.0	7.2
27	13.2	25.1	18.4	81.0	0.0	0.0	0.0	5.2
28	11.8	24.3	17.8	77.0	0.0	0.0	0.0	4.0
29	11.5	26.2	18.8	74.3	0.0	.6	.6	6.8
30	14.8	26.6	19.0	74.0	0.0	0.0	0.0	5.2
31								
Total :					21.7	47.9	69.6	153.9
Promedio :	14.0	25.4	18.7	77.3				

Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.5	25.0	17.6	83.7	12.8	23.6	36.4	3.4
2	13.5	23.2	17.6	82.0	3.7	1.5	5.2	3.6
3	14.4	25.0	18.7	80.3	1.8	13.2	15.0	4.3
4	14.0	25.1	17.3	82.0	10.1	5.3	15.4	6.0
5	13.5	25.5	18.6	79.3	.1	1.0	1.1	4.8
6	14.8	24.8	18.5	79.3	0.0	0.0	0.0	7.9
7	14.5	25.2	18.6	78.0	0.0	0.0	0.0	2.5
8	13.8	27.0	19.8	74.0	0.0	0.0	0.0	7.0
9	14.0	28.5	20.3	70.7	0.0	15.5	15.5	0.0
10	14.6	27.0	19.5	73.0	0.0	3.0	3.0	1.8
11	14.0	26.0	19.0	79.3	0.0	0.0	0.0	5.8
12	15.5	27.5	19.8	77.0	0.0	0.0	0.0	5.5
13	14.8	27.0	19.6	73.0	0.0	0.0	0.0	7.1
14	15.8	26.8	19.2	78.0	0.0	0.0	0.0	5.4
15	13.6	24.2	18.7	80.0	0.0	.2	.2	3.5
16	15.0	26.3	19.2	71.0	0.0	1.1	1.1	5.0
17	13.5	26.0	18.7	77.7	1.6	.2	1.8	5.6
18	14.0	26.2	18.8	76.3	0.0	5.0	5.0	6.1
19	15.0	25.3	18.8	77.0	2.2	0.0	2.2	4.6
20	14.8	26.7	19.0	77.7	0.0	0.0	0.0	7.9
21	15.9	26.5	19.2	75.0	0.0	0.0	0.0	7.4
22	13.5	26.0	18.4	72.0	0.0	0.0	0.0	9.1
23	13.0	24.4	18.4	73.3	0.0	0.0	0.0	7.7
24	10.5	25.0	16.6	76.7	0.0	.4	.4	8.1
25	13.2	24.7	18.1	71.7	0.0	0.0	0.0	2.7
26	14.0	24.2	17.8	78.0	0.0	.2	.2	5.7
27	12.2	24.0	18.0	73.7	.6	0.0	.6	3.2
28	13.8	25.2	18.0	72.3	0.0	0.0	0.0	8.4
29	14.5	24.0	18.4	72.3	0.0	0.0	0.0	8.3
30	13.5	23.5	18.0	77.3	2.3	1.4	3.7	2.6
31	15.0	25.9	19.6	71.7	0.0	0.0	0.0	7.8
Total :					35.2	71.6	106.8	168.8
Promedio :	14.1	25.5	18.6	76.2				

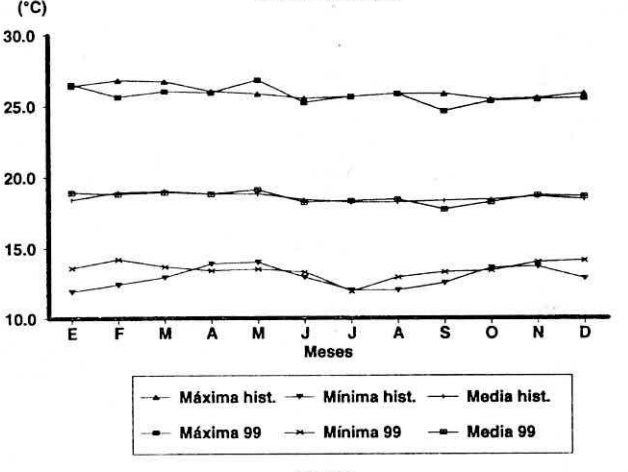
Estación : BERTHA
Año : 1999

Dpto. : BOYACA
Mpio. : MONIQUIRA

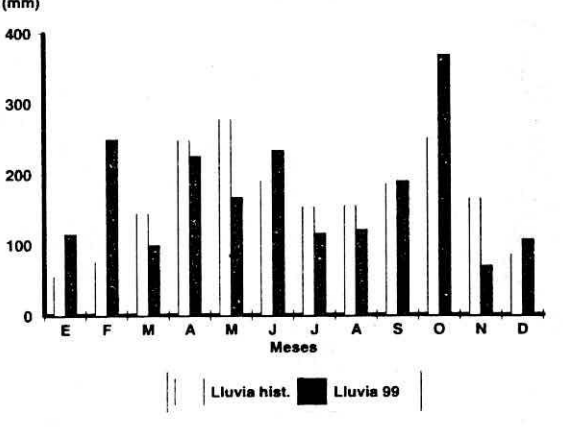
Latitud : 5 ° 53 'N
Longitud : 73 ° 34 'W
Altitud : 1700 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	13.6	26.5	18.9	29.1	10.0	76.3	114.9	16	180.1
Febrero	14.2	25.6	18.8	29.0	12.0	78.8	248.7	26	100.6
Marzo	13.7	26.0	18.9	28.6	10.9	77.4	99.2	17	110.0
Abril	13.4	25.9	18.8	29.1	9.2	78.9	225.2	22	75.1
Mayo	13.5	26.8	19.1	29.6	10.9	78.6	167.4	23	136.0
Junio	13.3	25.2	18.2	28.7	10.0	80.5	233.8	23	126.4
Julio	11.9	25.6	18.3	28.4	8.0	75.3	115.9	13	155.4
Agosto	12.9	25.8	18.4	28.5	9.8	77.8	120.7	16	124.0
Septiembre	13.3	24.6	17.7	27.8	9.8	80.6	189.6	25	90.3
Octubre	13.4	25.3	18.2	27.2	10.2	79.4	368.5	27	134.7
Noviembre	14.0	25.4	18.7	27.5	11.5	77.3	69.6	14	153.9
Diciembre	14.1	25.5	18.6	28.5	10.5	76.2	106.8	16	168.8
Promedio :	13.4	25.7	18.5			78.1			
Absoluta :				29.6	8.0				
Total :							2060.3	238	1555.3

TEMPERATURAS



LLUVIA



Estación : RAFAEL ESCOBAR
Año : 1999

Dpto. : CALDAS
Mpio. : SUPIA

Latitud : 5 ° 28 'N
Longitud : 75 ° 39 'W
Altitud : 1320 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.6	27.7	22.6	77.0	0.0	3.8	3.8	5.5
2	17.4	27.4	20.1	83.0	13.2	4.0	17.2	2.2
3	17.2	27.6	21.6	80.3	2.0	7.6	9.6	9.0
4	18.1	27.8	22.7	72.3	0.0	15.4	15.4	1.5
5	17.7	25.2	20.1	84.3	1.1	.3	1.4	2.5
6	17.8	27.0	21.5	74.7	0.0	0.0	0.0	3.4
7	16.3	28.8	22.0	70.3	0.0	25.4	25.4	5.1
8	17.8	26.7	20.0	86.7	6.5	20.2	26.7	5.1
9	18.0	25.0	21.0	84.0	.4	7.2	7.6	6.1
10	17.9	24.4	20.0	88.0	.6	1.1	1.7	7.9
11	16.7	24.8	18.9	79.3	2.8	0.0	2.8	4.0
12	15.8	23.0	19.2	84.0	1.1	0.0	1.1	2.4
13	16.4	27.5	21.8	64.0	0.0	0.0	0.0	1.1
14	16.7	24.5	19.5	84.3	.3	.1	.4	4.5
15	15.8	27.0	20.2	67.3	0.0	0.0	0.0	1.4
16	16.8	23.7	19.0	85.0	.4	0.0	.4	2.3
17	16.0	28.5	21.7	70.0	0.0	0.0	0.0	5.0
18	17.0	28.4	22.3	63.0	0.0	0.0	0.0	2.8
19	16.7	27.6	22.2	70.0	0.0	2.0	2.0	7.1
20	18.2	26.3	21.5	78.0	0.0	0.0	0.0	3.3
21	17.0	29.4	21.3	69.7	0.0	0.0	0.0	7.8
22	17.5	27.9	22.7	73.0	0.0	.8	.8	4.0
23	17.7	28.7	22.7	77.3	.7	.8	1.5	5.2
24	17.9	27.9	21.4	82.3	2.5	2.4	4.9	3.8
25	17.4	25.8	20.8	77.3	0.0	0.0	0.0	3.5
26	16.6	29.9	22.8	73.3	0.0	1.4	1.4	8.0
27	17.9	27.0	21.2	82.3	.6	9.3	9.9	2.1
28	17.1	23.0	19.8	88.0	1.7	0.0	1.7	0.0
29	17.0	28.9	22.6	70.0	0.0	0.0	0.0	5.6
30	17.6	29.7	23.4	70.7	0.0	4.5	4.5	9.4
31	18.5	28.9	22.6	73.7	0.0	.5	.5	7.0
Total :					33.9	106.8	140.7	138.6
Promedio :	17.2	27.0	21.3	76.9				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	26.3	21.7	83.0	0.0	10.1	10.1	.9
2	17.8	26.4	20.9	82.0	.2	0.0	.2	3.4
3	18.9	29.0	21.5	78.7	6.8	9.6	16.4	2.7
4	17.4	26.2	20.7	83.0	.2	.8	1.0	2.2
5	18.2	24.6	20.7	84.7	1.0	7.5	8.5	.2
6	17.2	24.9	20.1	84.7	1.5	13.8	15.3	.3
7	17.0	27.5	21.4	75.0	0.0	.1	.1	4.3
8	17.7	29.2	22.8	66.7	0.0	0.0	0.0	8.9
9	18.0	29.4	21.6	76.7	5.2	11.6	16.8	8.1
10	18.0	21.5	19.2	92.7	4.1	0.0	4.1	0.0
11	17.3	28.6	22.4	71.0	0.0	1.4	1.4	6.1
12	18.1	25.7	20.6	81.7	.2	0.0	.2	.9
13	17.6	26.1	20.6	80.0	0.0	2.2	2.2	.8
14	17.8	25.4	21.0	75.7	0.0	1.1	1.1	3.0
15	17.8	27.4	20.1	81.3	.3	0.0	.3	1.5
16	16.8	24.9	20.0	85.7	3.8	5.9	9.7	.3
17	16.9	21.5	18.4	89.0	5.3	2.1	7.4	.1
18	16.1	25.5	20.2	78.3	0.0	8.2	8.2	3.6
19	16.3	26.6	20.5	78.3	0.0	16.5	16.5	3.7
20	16.9	25.2	20.2	79.0	.2	.6	.8	1.0
21	16.8	27.5	20.8	76.7	0.0	22.1	22.1	2.5
22	16.6	25.9	19.4	82.7	1.2	.4	1.6	4.3
23	16.9	26.0	20.8	82.3	9.7	17.7	27.4	3.5
24	17.2	25.1	20.5	86.0	.2	26.9	27.1	1.8
25	16.2	26.9	21.1	74.0	0.0	.1	.1	5.4
26	17.0	28.1	19.6	87.3	20.0	5.6	25.6	4.6
27	17.1	24.5	20.0	83.7	0.0	26.1	26.1	.4
28	17.6	24.6	20.2	83.7	5.9	6.8	12.7	1.0
29								
30								
31								
Total :					65.8	197.2	263.0	75.5
Promedio :	17.3	26.1	20.6	80.8				

Estación : RAFAEL ESCOBAR
Año : 1999

Dpto. : CALDAS
Mpio. : SUPIA

Latitud : 5 ° 28 'N
Longitud : 75 ° 39 'W
Altitud : 1320 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.1	24.7	19.0	85.0	9.7	0.0	9.7	3.6
2	16.0	26.7	21.2	74.0	0.0	0.0	0.0	5.7
3	18.2	28.3	21.8	70.7	.1	.1	.2	6.7
4	17.5	27.3	21.1	77.7	0.0	9.3	9.3	5.7
5	16.0	27.9	21.8	70.3	0.0	12.4	12.4	8.7
6	16.7	28.6	22.3	70.7	0.0	0.0	0.0	8.9
7	17.4	27.7	21.6	73.0	0.0	0.0	0.0	5.2
8	15.9	28.3	21.6	66.7	0.0	0.0	0.0	7.4
9	17.4	26.3	20.8	82.0	0.0	0.0	0.0	.8
10	17.0	27.5	19.3	86.3	11.7	6.3	18.0	3.3
11	16.3	29.6	22.0	70.3	0.0	0.0	0.0	6.7
12	17.0	28.9	22.4	72.0	0.0	0.0	0.0	5.0
13	17.1	27.8	21.0	81.3	0.0	0.0	0.0	2.6
14	16.3	28.4	21.4	76.7	.6	7.3	7.9	6.8
15	17.5	25.8	20.1	85.7	0.0	13.4	13.4	2.5
16	16.7	24.8	20.8	80.0	5.3	27.0	32.3	4.6
17	17.1	28.6	20.0	86.7	15.0	30.0	45.0	5.9
18	17.0	25.5	20.3	83.7	0.0	5.1	5.1	.6
19	17.8	27.8	20.3	82.0	1.5	0.0	1.5	5.1
20	16.9	26.6	20.7	79.3	0.0	0.0	0.0	2.4
21	17.8	27.4	21.9	73.3	0.0	10.0	10.0	2.6
22	17.7	27.3	21.2	82.0	0.0	0.0	0.0	3.7
23	17.8	27.4	22.0	73.3	0.0	0.0	0.0	3.1
24	18.2	27.6	22.3	73.7	0.0	0.0	0.0	2.9
25	18.0	28.8	23.0	72.3	0.0	0.0	0.0	4.3
26	17.1	29.2	23.3	68.0	0.0	0.0	0.0	6.4
27	19.2	26.6	21.2	74.3	0.0	0.0	0.0	.1
28	17.5	25.3	20.2	88.0	4.4	15.6	20.0	.1
29	17.8	27.5	20.9	77.3	.7	.9	1.6	4.2
30	17.8	28.5	21.7	71.0	5.6	5.5	11.1	8.0
31	17.3	28.4	22.2	69.0	0.0	0.0	0.0	5.6
Total :					54.6	142.9	197.5	139.2
Promedio :	17.2	27.5	21.3	76.7				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.8	28.7	21.5	75.3	2.0	8.7	10.7	2.7
2	18.1	28.5	22.6	73.7	0.0	13.7	13.7	3.2
3	17.1	21.4	19.1	87.7	1.1	0.0	1.1	0.0
4	15.7	27.2	21.8	65.0	0.0	.5	.5	3.4
5	16.1	28.0	20.4	73.7	.2	.1	.3	8.2
6	17.4	28.6	22.0	69.7	0.0	.2	.2	8.2
7	18.2	28.0	22.0	77.3	0.0	35.1	35.1	4.0
8	17.0	26.3	20.6	84.0	1.1	6.9	8.0	1.5
9	17.7	25.4	19.8	86.7	4.7	.1	4.8	.5
10	16.9	24.9	20.2	89.7	1.8	10.8	12.6	.3
11	16.6	27.8	21.8	75.0	0.0	2.2	2.2	4.8
12	17.2	27.4	22.2	72.0	0.0	28.4	28.4	6.6
13	16.4	27.0	20.9	72.0	0.0	0.0	0.0	4.9
14	18.1	26.8	21.8	74.3	0.0	1.5	1.5	3.2
15	17.9	27.6	20.8	79.7	2.2	0.0	2.2	6.3
16	17.0	29.9	22.8	62.7	0.0	0.0	0.0	10.1
17	16.2	30.7	24.3	44.7	0.0	0.0	0.0	9.9
18	15.8	28.1	22.1	58.7	0.0	0.0	0.0	7.4
19	15.8	28.5	23.0	62.3	0.0	0.0	0.0	9.3
20	17.2	28.8	22.5	76.7	0.0	0.0	0.0	4.9
21	16.4	28.4	22.2	69.3	0.0	0.0	0.0	8.2
22	17.2	30.2	23.2	64.7	0.0	0.0	0.0	8.5
23	18.4	27.0	22.0	82.3	.3	0.0	.3	.9
24	17.1	26.8	20.4	79.7	2.5	14.7	17.2	3.2
25	16.5	25.6	20.5	77.0	0.0	4.9	4.9	2.9
26	17.6	26.8	20.2	83.7	.9	2.3	3.2	4.2
27	17.0	24.4	19.3	86.3	2.7	.1	2.8	1.2
28	15.8	27.1	21.2	75.3	0.0	1.5	1.5	4.4
29	17.3	27.8	21.6	70.7	0.0	27.2	27.2	6.3
30	16.8	21.9	18.2	84.7	13.5	0.0	13.5	.3
31								
Total :					33.0	158.9	191.9	139.5
Promedio :	17.0	27.2	21.4	74.5				

Estación : RAFAEL ESCOBAR
Año : 1999

Dpto. : CALDAS
Mpio. : SUPIA

Latitud : 5 ° 28 'N
Longitud : 75 ° 39 'W
Altitud : 1320 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.5	27.8	21.3	69.7	0.0	2.8	2.8	7.7
2	18.2	23.9	19.6	90.0	2.2	0.0	2.2	2.7
3	16.6	27.0	21.7	67.3	0.0	29.3	29.3	6.6
4	16.8	24.2	19.3	85.3	6.3	0.0	6.3	1.4
5	15.8	27.0	19.8	81.3	1.9	.7	2.6	6.4
6	17.5	26.8	21.0	79.0	0.0	26.1	26.1	6.0
7	16.3	26.7	21.2	75.3	0.0	5.7	5.7	5.1
8	17.5	26.8	21.8	73.3	0.0	2.2	2.2	3.8
9	17.0	26.5	19.6	80.3	1.5	10.6	12.1	3.6
10	15.9	26.5	20.7	73.7	0.0	0.0	0.0	6.5
11	16.5	24.3	19.1	89.3	5.1	3.5	8.6	2.1
12	16.7	25.8	20.8	75.3	.1	20.5	20.6	4.7
13	15.9	24.8	20.8	80.7	0.0	1.4	1.4	1.8
14	17.2	26.2	21.5	76.0	0.0	0.0	0.0	5.7
15	16.9	27.6	21.4	76.3	1.3	0.0	1.3	8.0
16	18.6	28.4	22.4	68.3	0.0	4.3	4.3	8.1
17	17.5	28.0	22.2	73.7	0.0	0.0	0.0	9.2
18	17.3	26.0	21.4	74.7	0.0	.1	.1	2.5
19	18.0	27.7	21.1	77.7	.7	0.0	.7	4.6
20	16.4	26.4	21.1	74.0	0.0	9.7	9.7	4.6
21	17.1	26.9	21.0	78.3	0.0	0.0	0.0	5.8
22	17.9	27.9	22.1	73.7	0.0	.3	.3	4.9
23	17.9	28.7	23.2	68.3	0.0	0.0	0.0	9.2
24	18.0	29.5	23.4	70.3	0.0	0.0	0.0	9.3
25	18.5	28.1	23.2	74.0	0.0	5.0	5.0	7.6
26	18.1	28.4	22.6	71.0	0.0	0.0	0.0	9.0
27	17.9	27.7	22.3	72.3	0.0	0.0	0.0	8.2
28	18.2	26.4	21.7	78.3	0.0	0.0	0.0	3.0
29	18.3	26.7	22.2	73.3	.2	16.8	17.0	3.6
30	17.5	27.7	21.8	69.3	0.0	.4	.4	4.4
31	17.2	27.9	22.2	68.7	0.0	24.1	24.1	6.4
Total :					19.3	163.5	182.8	172.5
Promedio :	17.2	26.9	21.4	75.4				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.2	26.8	22.2	77.0	0.0	.5	.5	5.4
2	18.5	25.0	21.1	81.0	0.0	0.0	0.0	2.1
3	17.2	28.9	22.8	64.3	0.0	.8	.8	9.0
4	18.7	25.0	20.3	84.7	2.1	7.5	9.6	1.5
5	17.0	25.8	20.8	80.3	0.0	2.4	2.4	2.4
6	17.5	25.1	20.4	82.0	.7	2.8	3.5	3.2
7	17.6	27.2	20.0	79.0	.2	12.2	12.4	4.9
8	17.2	25.1	20.0	82.0	24.6	21.7	46.3	5.1
9	17.5	27.6	21.0	83.3	.9	3.9	4.8	5.9
10	15.9	28.4	21.5	68.7	0.0	69.3	69.3	7.9
11	16.4	24.3	20.0	80.0	.4	.1	.5	4.1
12	17.3	26.4	21.0	77.3	0.0	.5	.5	2.3
13	17.4	24.8	19.2	84.7	28.3	3.1	31.4	1.1
14	17.0	27.0	20.8	80.3	.1	0.0	.1	4.3
15	17.8	25.2	21.4	79.7	0.0	1.2	1.2	1.5
16	17.1	26.7	19.9	84.3	6.7	2.0	8.7	2.2
17	17.4	28.5	22.0	72.0	0.0	5.9	5.9	5.0
18	16.6	23.9	19.2	87.3	.3	0.0	.3	.4
19	17.0	27.4	21.3	79.0	0.0	0.0	0.0	5.3
20	18.2	28.0	22.7	70.7	0.0	5.8	5.8	5.6
21	18.4	24.1	20.4	91.7	3.0	.2	3.2	1.5
22	18.1	27.6	22.4	72.0	0.0	0.0	0.0	5.8
23	18.5	27.6	21.0	80.7	.8	0.0	.8	5.7
24	17.7	25.6	21.5	75.0	0.0	.9	.9	4.1
25	16.6	27.6	21.3	74.0	0.0	39.3	39.3	4.3
26	16.7	26.4	19.4	81.7	25.6	7.5	33.1	4.3
27	16.9	25.8	20.6	77.7	.4	18.1	18.5	3.9
28	16.4	24.2	19.5	85.3	1.5	0.0	1.5	2.6
29	15.7	27.4	20.8	76.7	0.0	0.0	0.0	4.6
30	17.2	27.4	21.8	72.3	0.0	4.3	4.3	9.2
31								
Total :					95.6	210.0	305.6	125.2
Promedio :	17.3	26.4	20.9	78.8				

Estación : RAFAEL ESCOBAR **Dpto. : CALDAS** **Latitud : 5 ° 28 'N**
Año : 1999 **Mpio. : SUPIA** **Longitud : 75 ° 39 'W**
Altitud : 1320 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.4	26.0	20.1	81.3	.8	2.3	3.1	4.5
2	17.8	25.7	21.0	79.0	0.0	8.2	8.2	3.9
3	16.0	24.4	19.9	80.0	0.0	1.1	1.1	1.9
4	17.1	26.5	21.5	76.0	0.0	0.0	0.0	8.0
5	17.1	27.0	21.3	71.3	0.0	0.0	0.0	5.4
6	16.1	27.6	20.8	74.7	0.0	1.6	1.6	6.9
7	17.4	26.2	20.2	82.0	1.1	.6	1.7	3.3
8	17.2	26.4	21.5	76.3	0.0	2.6	2.6	4.2
9	16.1	27.2	21.2	67.0	0.0	0.0	0.0	6.9
10	15.8	27.7	21.4	62.3	0.0	0.0	0.0	10.4
11	17.1	28.3	22.0	66.0	0.0	0.0	0.0	8.0
12	17.5	26.5	21.8	73.0	0.0	0.0	0.0	7.5
13	16.6	27.9	22.6	65.7	0.0	0.0	0.0	9.3
14	16.9	28.9	22.5	68.0	0.0	0.0	0.0	10.3
15	16.7	28.6	22.2	65.7	0.0	0.0	0.0	8.8
16	17.5	27.1	22.0	72.3	0.0	0.0	0.0	8.9
17	17.0	28.6	21.0	71.7	1.0	1.8	2.8	10.0
18	16.3	28.9	21.2	69.0	.3	0.0	.3	8.0
19	16.5	27.5	22.1	70.3	0.0	2.9	2.9	7.9
20	17.0	26.4	21.2	75.7	0.0	.6	.6	5.9
21	17.3	28.6	22.2	64.7	.4	0.0	.4	8.6
22	16.3	27.0	22.0	71.7	.6	0.0	.6	6.7
23	18.2	28.1	21.6	70.0	.4	0.0	.4	5.4
24	16.0	27.8	21.3	72.0	0.0	0.0	0.0	5.7
25	17.7	29.3	23.2	64.7	0.0	0.0	0.0	9.2
26	17.2	28.6	22.7	67.0	0.0	.2	.2	8.1
27	17.6	27.8	23.0	70.0	0.0	0.0	0.0	6.1
28	17.0	27.9	22.3	70.3	0.0	0.0	0.0	6.6
29	18.3	27.0	21.5	85.0	0.0	0.0	0.0	2.0
30	16.6	29.0	22.6	69.0	0.0	3.5	3.5	8.8
31	17.6	28.8	20.6	79.0	1.5	.5	2.0	5.9
Total :					6.1	25.9	32.0	213.1
Promedio :	17.0	27.5	21.6	72.0				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.2	28.2	22.1	70.0	0.0	3.8	3.8	6.4
2	17.9	27.0	22.0	70.0	0.0	.2	.2	5.6
3	17.8	25.8	21.4	73.0	0.0	.2	.2	4.1
4	17.9	27.4	22.3	69.3	0.0	2.2	2.2	6.2
5	17.1	28.0	22.5	70.3	0.0	.9	.9	6.2
6	17.2	27.5	22.5	70.0	0.0	35.6	35.6	5.1
7	15.2	26.3	20.0	74.7	0.0	0.0	0.0	3.4
8	17.1	28.2	22.2	67.7	0.0	0.0	0.0	6.9
9	17.2	27.6	20.9	79.7	0.0	0.0	0.0	5.8
10	16.6	28.7	22.5	63.3	0.0	0.0	0.0	8.4
11	16.8	28.0	21.4	75.7	0.0	0.0	0.0	7.7
12	17.7	27.9	21.0	77.3	1.1	0.0	1.1	3.7
13	16.8	27.2	20.2	77.7	6.5	2.4	8.9	5.2
14	17.2	26.6	21.8	71.0	.7	13.4	14.1	7.3
15	16.1	25.7	20.2	77.7	0.0	0.0	0.0	3.7
16	16.9	29.0	21.8	65.3	.1	0.0	.1	7.6
17	17.8	27.3	21.6	73.3	0.0	25.8	25.8	5.6
18	16.8	27.0	21.2	75.3	0.0	0.0	0.0	6.3
19	17.8	26.8	21.6	73.3	0.0	0.0	0.0	4.7
20	18.0	27.9	22.2	74.3	0.0	23.1	23.1	5.9
21	16.4	23.8	18.2	87.0	3.9	.4	4.3	.6
22	15.8	26.7	20.4	69.7	0.0	0.0	0.0	6.7
23	15.9	26.8	20.7	71.7	.1	.4	.5	4.4
24	15.5	24.7	20.0	83.0	0.0	0.0	0.0	2.6
25	16.2	24.8	19.2	87.3	1.6	2.6	4.2	2.2
26	16.4	26.2	20.4	81.7	0.0	9.0	9.0	4.5
27	17.1	26.0	20.9	72.7	.3	.5	.8	4.5
28	17.3	25.2	20.0	88.3	2.2	0.0	2.2	1.0
29	17.0	28.2	22.6	70.7	0.0	0.0	0.0	9.1
30	18.0	27.9	22.0	76.0	0.0	0.0	0.0	4.1
31	16.8	28.4	22.8	64.3	0.0	.1	.1	7.6
Total :					16.5	120.6	137.1	163.1
Promedio :	16.9	27.0	21.2	74.2				

Estación : RAFAEL ESCOBAR
Año : 1999

Dpto. : CALDAS
Mpio. : SUPIA

Latitud : 5 ° 28 'N
Longitud : 75 ° 39 'W
Altitud : 1320 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.7	26.9	21.0	82.0	1.5	.2	1.7	2.2
2	17.6	25.0	21.0	75.3	0.0	3.1	3.1	4.6
3	17.8	27.1	20.2	83.3	0.0	0.0	0.0	2.5
4	16.3	26.5	21.0	79.3	2.0	34.0	36.0	5.0
5	15.5	24.4	20.0	87.0	1.3	0.0	1.3	2.2
6	17.0	27.8	21.8	68.3	0.0	0.0	0.0	6.5
7	17.1	27.7	21.2	80.7	.8	20.7	21.5	3.8
8	15.9	27.0	21.2	73.7	0.0	29.6	29.6	6.7
9	16.2	25.2	20.2	83.3	.8	33.0	33.8	3.6
10	16.0	24.0	20.2	84.0	0.0	.9	.9	1.5
11	17.4	26.2	19.9	81.3	6.7	2.8	9.5	3.1
12	17.1	25.8	20.0	82.0	.8	0.0	.8	2.6
13	16.6	27.2	20.3	80.0	.3	9.3	9.6	4.7
14	16.3	23.0	19.0	81.0	.3	.2	.5	.6
15	16.3	26.3	21.1	68.7	0.0	0.0	0.0	4.3
16	16.8	29.3	22.2	69.7	0.0	7.7	7.7	6.9
17	17.5	25.4	20.2	80.7	.7	0.0	.7	1.5
18	16.0	27.9	21.4	77.0	0.0	1.1	1.1	8.6
19	17.3	27.8	22.0	73.7	0.0	2.8	2.8	5.2
20	18.6	27.7	20.9	71.7	0.0	0.0	0.0	4.3
21	17.4	27.4	21.3	73.0	0.0	25.1	25.1	5.2
22	16.4	25.8	20.7	76.0	0.0	1.0	1.0	3.6
23	17.4	24.9	20.0	83.0	2.5	0.0	2.5	.3
24	16.4	26.4	20.6	76.3	0.0	3.8	3.8	3.9
25	17.2	25.8	20.4	79.7	0.0	2.1	2.1	3.5
26	16.5	24.8	20.4	73.7	0.0	28.4	28.4	2.3
27	17.5	26.3	19.8	82.7	7.1	.6	7.7	3.8
28	16.8	25.2	20.1	80.0	.2	30.1	30.3	2.1
29	16.6	25.5	20.2	77.3	.2	0.0	.2	4.1
30	17.7	27.1	20.2	74.3	.9	0.0	.9	4.6
31								
Total :					26.1	236.5	262.6	113.8
Promedio :	16.9	26.2	20.6	78.0				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.2	24.0	19.2	86.3	2.2	0.0	2.2	.7
2	16.3	24.6	20.0	75.7	0.0	0.0	0.0	.5
3	16.0	27.3	21.6	67.0	0.0	11.7	11.7	5.9
4	17.2	27.0	20.7	78.7	1.5	.6	2.1	4.1
5	17.1	27.7	20.9	76.3	0.0	31.9	31.9	1.9
6	15.5	24.2	18.6	83.3	4.5	.8	5.3	.1
7	15.2	27.6	19.4	74.7	0.0	0.0	0.0	5.4
8	16.1	27.9	21.4	68.7	0.0	.8	.8	5.1
9	17.8	25.9	20.8	75.0	.5	.8	1.3	6.4
10	17.1	24.8	20.1	80.0	.8	1.9	2.7	2.5
11	17.3	26.1	20.9	75.7	0.0	0.0	0.0	5.1
12	17.5	27.7	21.4	75.3	0.0	0.0	0.0	6.7
13	17.2	28.5	22.0	69.0	0.0	0.0	0.0	7.7
14	17.6	28.4	22.6	65.7	0.0	5.2	5.2	6.6
15	17.5	26.6	21.0	74.7	0.0	12.1	12.1	4.4
16	16.1	24.3	20.1	77.3	0.0	0.0	0.0	1.1
17	16.4	23.7	19.6	81.0	.2	0.0	.2	.4
18	16.3	27.9	20.0	75.0	0.0	2.7	2.7	6.4
19	16.9	27.6	21.7	69.7	0.0	.4	.4	7.1
20	18.2	27.6	21.3	73.3	0.0	.3	.3	5.4
21	17.3	27.8	21.0	77.3	.3	.1	.4	5.7
22	17.7	27.5	21.0	80.7	16.6	15.0	31.6	3.8
23	16.9	25.5	20.5	79.7	.5	0.0	.5	3.2
24	17.9	27.4	20.5	78.3	.2	4.8	5.0	2.4
25	17.4	26.4	20.6	79.0	.2	.3	.5	4.1
26	17.8	25.6	21.2	76.7	0.0	18.4	18.4	1.1
27	16.8	26.6	20.8	74.0	0.0	.2	.2	5.7
28	17.1	25.9	20.6	79.3	5.5	3.2	8.7	3.6
29	17.1	26.4	21.0	75.0	0.0	14.4	14.4	4.2
30	17.2	24.3	19.7	80.7	3.7	0.0	3.7	1.7
31	16.6	27.7	21.8	73.7	0.0	0.0	0.0	5.8
Total :					36.7	125.6	162.3	124.8
Promedio :	17.0	26.5	20.7	76.0				

Estación : RAFAEL ESCOBAR
Año : 1999

Dpto. : CALDAS
Mpio. : SUPIA

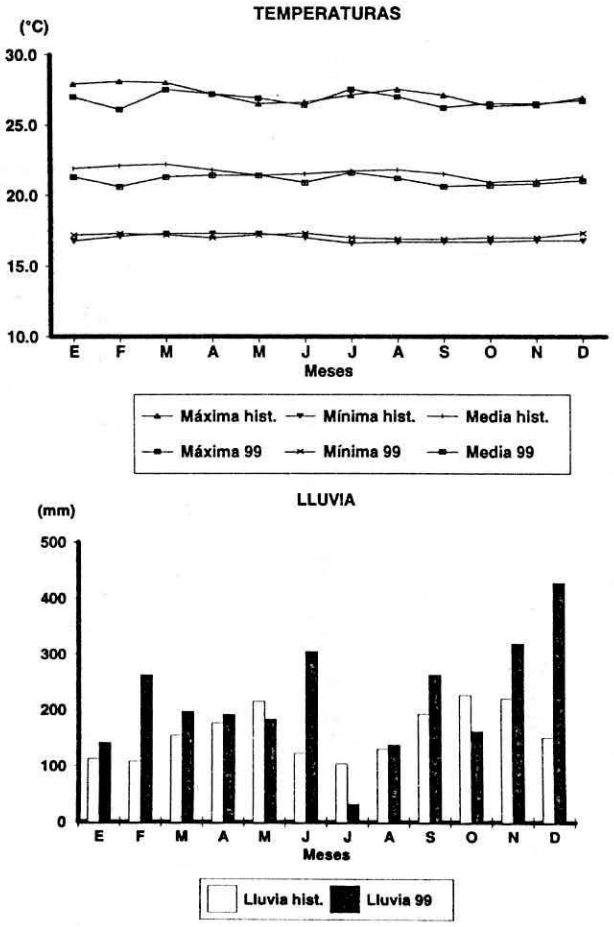
Latitud : 5 ° 28 'N
Longitud : 75 ° 39 'W
Altitud : 1320 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.7	27.8	22.3	66.0	0.0	4.4	4.4	6.6
2	17.8	28.0	20.8	81.7	10.4	22.9	33.3	6.0
3	17.0	26.5	20.8	79.7	.6	27.5	28.1	6.2
4	17.4	25.5	20.7	89.0	2.4	28.4	30.8	4.4
5	16.3	27.8	21.7	75.0	0.0	34.6	34.6	7.4
6	17.4	27.2	20.4	83.0	7.0	2.7	9.7	4.9
7	16.6	26.9	21.4	77.7	0.0	.9	.9	4.1
8	17.9	27.2	21.7	72.3	0.0	8.6	8.6	2.2
9	17.5	28.1	22.2	73.7	0.0	0.0	0.0	6.5
10	18.5	28.2	23.0	72.7	0.0	1.9	1.9	6.2
11	17.7	26.1	21.4	77.3	0.0	0.0	0.0	2.8
12	17.2	27.6	20.8	78.3	6.9	7.1	14.0	2.8
13	17.7	25.5	20.8	79.7	3.5	0.0	3.5	1.3
14	17.3	27.7	22.2	65.7	0.0	1.0	1.0	7.8
15	17.3	24.6	19.3	73.7	0.0	0.0	0.0	3.0
16	16.9	27.8	21.9	72.0	0.0	10.0	10.0	5.3
17	16.1	26.6	21.2	75.3	.1	27.6	27.7	6.8
18	17.1	24.9	20.5	81.7	.3	7.8	8.1	1.0
19	16.5	25.2	20.1	83.0	.1	4.6	4.7	1.7
20	17.0	23.0	19.3	89.3	1.3	8.3	9.6	.3
21	16.8	22.6	19.2	87.7	1.3	8.4	9.7	.4
22	17.1	23.1	19.2	87.3	5.7	1.5	7.2	.1
23	15.9	27.5	20.3	77.3	11.5	8.9	20.4	7.0
24	16.2	26.0	19.6	80.0	2.1	13.2	15.3	5.3
25	16.5	25.8	19.1	79.7	1.3	0.0	1.3	3.4
26	15.8	26.9	19.9	79.3	1.1	.3	1.4	5.7
27	15.7	27.0	21.2	72.0	0.0	0.0	0.0	8.8
28	16.7	27.8	21.8	68.7	0.0	0.0	0.0	7.3
29	16.0	27.8	21.5	70.7	0.0	11.6	11.6	9.0
30	17.7	27.2	21.0	75.3	0.0	22.0	22.0	3.2
31								
Total :					55.6	264.2	319.8	137.5
Promedio :	17.0	26.5	20.8	77.5				

Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	22.4	18.4	92.3	21.5	0.0	21.5	.1
2	15.8	26.4	19.1	81.3	2.6	0.0	2.6	3.3
3	16.8	25.8	20.7	79.3	0.0	7.5	7.5	4.3
4	18.0	26.0	20.8	85.3	1.6	8.5	10.1	3.4
5	17.6	25.8	20.8	81.0	.3	0.0	.3	4.9
6	17.6	26.8	20.5	79.0	1.0	4.3	5.3	4.2
7	17.1	27.2	21.4	76.7	0.0	0.0	0.0	4.8
8	17.5	27.6	22.5	73.3	0.0	10.0	10.0	7.9
9	17.8	28.2	22.9	72.3	0.0	22.4	22.4	7.5
10	17.9	25.4	21.3	82.0	0.0	0.0	0.0	2.5
11	18.3	27.6	21.0	76.7	.9	22.8	23.7	5.1
12	18.1	26.7	20.4	83.7	8.8	0.0	8.8	3.2
13	17.4	26.0	21.2	80.0	0.0	33.1	33.1	4.1
14	17.6	26.8	19.6	84.0	15.5	14.7	30.2	3.9
15	17.8	26.4	21.3	78.3	.6	21.4	22.0	4.1
16	17.5	27.0	21.6	70.7	0.0	12.1	12.1	3.9
17	17.9	26.7	21.4	78.7	0.0	44.0	44.0	5.2
18	17.8	27.5	22.1	76.0	0.0	61.5	61.5	5.5
19	16.3	27.9	22.2	70.7	0.0	7.5	7.5	8.4
20	18.2	28.0	21.0	83.0	15.6	24.2	39.8	3.4
21	18.2	27.7	22.4	77.7	9.0	.6	9.6	5.1
22	18.8	26.2	21.0	86.3	1.2	0.0	1.2	1.6
23	18.0	26.9	21.4	72.7	0.0	21.2	21.2	6.2
24	17.3	26.2	19.6	87.3	.7	21.0	21.7	2.0
25	16.3	25.7	19.9	71.7	.1	0.0	.1	3.0
26	14.8	26.3	19.8	66.7	0.0	0.0	0.0	5.8
27	16.2	26.2	20.0	77.0	0.0	0.0	0.0	4.7
28	17.4	27.7	21.6	60.0	0.0	0.0	0.0	9.1
29	16.8	27.0	20.6	68.3	0.0	0.0	0.0	8.2
30	14.8	28.8	21.8	67.0	0.0	0.0	0.0	9.7
31	16.7	28.2	22.3	70.7	0.0	11.1	11.1	8.0
Total :					79.4	347.9	427.3	153.1
Promedio	17.3	26.7	21.0	77.1				

Estación : RAFAEL ESCOBAR **Dpto. :** CALDAS **Latitud :** 5 ° 28 'N
Año : 1999 **Mpio. :** SUPIA **Longitud :** 75 ° 39 'W
Altitud : 1320 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	17.2	27.0	21.3	29.9	15.8	76.9	140.7	22	138.6
Febrero	17.3	26.1	20.6	29.4	16.1	80.8	263.0	27	75.5
Marzo	17.2	27.5	21.3	29.6	15.9	76.7	197.5	15	139.2
Abril	17.0	27.2	21.4	30.7	15.7	74.5	191.9	22	139.5
Mayo	17.2	26.9	21.4	29.5	14.5	75.4	182.8	22	172.5
Junio	17.3	26.4	20.9	28.9	15.7	78.8	305.6	26	125.2
Julio	17.0	27.5	21.6	29.3	15.8	72.0	32.0	16	213.1
Agosto	16.9	27.0	21.2	29.0	15.2	74.2	137.1	19	163.1
Septiembre	16.9	26.2	20.6	29.3	15.5	78.0	262.6	26	113.8
Octubre	17.0	26.5	20.7	28.5	15.2	76.0	162.3	24	124.8
Noviembre	17.0	26.5	20.8	28.2	15.7	77.5	319.8	25	137.5
Diciembre	17.3	26.7	21.0	28.8	14.8	77.1	427.3	24	153.1
Promedio :	17.1	26.8	21.1			76.5			
Absoluta :				30.7	14.5				
Total :							2622.6	268	1695.9



Estación : SANTA HELENA
Año : 1999

Dpto. : CALDAS
Mpio. : MARQUETALIA

Latitud : 5 ° 19 'N
Longitud : 75 ° 0 'W
Altitud : 1450 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.8	24.6	20.4	87.0	0.0	4.2	4.2	3.9
2	17.9	23.1	20.2	89.0	0.0	0.0	0.0	3.7
3	18.0	24.6	19.6	90.3	0.0	49.1	49.1	4.5
4	17.6	22.8	19.2	93.7	.5	20.1	20.6	1.9
5	17.2	22.9	18.6	90.7	19.5	1.6	21.1	1.9
6	17.4	22.8	19.3	93.0	0.0	0.0	0.0	6.0
7	16.6	23.6	19.4	89.3	0.0	2.9	2.9	6.9
8	17.8	21.9	19.1	92.7	.5	61.6	62.1	1.0
9	17.0	22.0	19.0	94.0	0.0	42.0	42.0	.1
10	17.2	21.8	18.7	94.3	0.0	0.0	0.0	1.8
11	17.4	22.0	18.4	90.3	7.2	.1	7.3	.5
12	16.4	19.4	17.7	93.3	.2	8.0	8.2	0.0
13	15.8	21.6	18.6	89.7	0.0	6.3	6.3	4.3
14	15.4	19.6	18.0	82.0	0.0	0.0	0.0	.3
15	15.6	21.4	17.8	88.7	0.0	0.0	0.0	6.2
16	15.8	21.2	18.2	85.3	0.0	53.6	53.6	3.3
17	15.4	22.6	18.9	81.3	0.0	0.0	0.0	6.7
18	16.5	22.8	19.2	86.7	0.0	14.1	14.1	3.3
19	16.8	22.9	19.6	90.0	0.0	9.9	9.9	2.9
20	17.2	22.6	19.4	90.0	.2	3.9	4.1	2.9
21	17.0	23.2	19.8	89.3	0.0	7.3	7.3	4.1
22	17.4	22.8	19.4	92.7	0.0	0.0	0.0	1.2
23	18.2	24.0	20.0	89.0	0.0	0.0	0.0	3.1
24	17.8	22.0	18.8	94.7	1.9	1.4	3.3	.5
25	16.4	22.9	18.7	87.7	0.0	1.8	1.8	.9
26	17.2	23.2	19.7	89.0	0.0	46.5	46.5	2.6
27	16.4	24.2	19.4	90.3	7.0	14.8	21.8	3.7
28	16.6	21.8	18.6	91.3	24.3	5.7	30.0	0.0
29	16.5	23.4	19.7	91.3	0.0	0.0	0.0	4.1
30	17.8	24.6	20.3	92.0	0.0	54.0	54.0	3.7
31	17.2	24.9	19.9	88.0	13.0	38.0	51.0	1.2
Total :					74.3	446.9	521.2	87.2
Promedio :	16.9	22.7	19.1	89.9				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.2	22.4	19.0	92.7	3.0	9.0	12.0	1.1
2	17.0	23.0	19.2	94.0	0.0	21.0	21.0	2.1
3	16.4	23.2	18.5	93.7	0.0	35.0	35.0	1.6
4	16.0	22.0	19.0	81.7	0.0	.3	.3	.6
5	16.3	19.8	17.8	96.3	12.6	0.0	12.6	0.0
6	16.2	20.4	18.2	94.0	1.6	6.0	7.6	0.0
7	16.0	21.2	18.6	89.0	.7	0.0	.7	.4
8	17.0	24.6	20.9	82.0	0.0	.5	.5	4.9
9	18.2	25.0	21.2	86.0	0.0	5.1	5.1	5.1
10	17.6	19.2	17.8	95.3	.4	0.0	.4	0.0
11	16.5	22.6	19.6	90.3	0.0	0.0	0.0	1.9
12	17.0	24.4	20.0	88.7	0.0	13.7	13.7	4.0
13	16.0	24.2	19.4	84.7	0.0	1.8	1.8	3.8
14	16.6	24.0	19.3	90.3	0.0	32.0	32.0	2.5
15	16.4	21.6	18.0	94.3	.5	0.0	.5	.3
16	16.9	21.8	18.6	94.3	1.4	.1	1.5	.2
17	16.2	21.0	18.4	90.7	0.0	25.0	25.0	.4
18	16.0	21.4	18.5	89.3	7.0	0.0	7.0	.3
19	16.8	23.4	18.6	88.7	4.0	25.3	29.3	4.5
20	16.0	20.2	18.0	95.3	5.6	0.0	5.6	.1
21	17.0	21.6	18.2	89.7	12.0	21.0	33.0	1.1
22	15.4	23.4	18.4	89.0	1.4	5.2	6.6	1.8
23	16.2	20.8	17.8	90.7	10.0	52.0	62.0	.1
24	16.0	23.6	19.1	88.7	0.0	69.0	69.0	2.0
25	15.6	23.0	19.2	88.7	0.0	66.0	66.0	3.4
26	16.2	22.4	19.2	90.3	15.0	62.0	77.0	1.6
27	16.6	22.0	18.8	92.7	13.0	20.0	33.0	1.0
28	16.8	21.2	18.2	93.7	0.0	87.0	87.0	.9
29								
30								
31								
Total :					88.2	557.0	645.2	45.7
Promedio :	16.5	22.3	18.8	90.5				

Estación : SANTA HELENA
Año : 1999

Dpto. : CALDAS
Mpio. : MARQUETALIA

Latitud : 5 ° 19 'N
Longitud : 75 ° 0 'W
Altitud : 1450 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	19.6	17.4	90.0	.6	0.0	.6	.2
2	16.2	19.4	17.0	88.3	0.0	0.0	0.0	1.0
3	15.6	23.0	18.6	89.7	0.0	3.4	3.4	3.9
4	16.4	22.6	19.0	92.3	6.1	5.1	11.2	2.3
5	16.0	22.2	19.5	90.3	0.0	8.1	8.1	3.5
6	17.4	23.8	19.9	90.3	0.0	49.0	49.0	5.4
7	15.0	23.9	19.8	86.0	10.6	0.0	10.6	4.3
8	16.4	23.2	19.6	87.0	0.0	0.0	0.0	5.9
9	17.0	22.6	19.0	94.3	0.0	7.9	7.9	1.7
10	16.2	23.0	18.3	92.0	28.0	55.0	83.0	1.3
11	16.0	24.0	19.8	83.3	0.0	0.0	0.0	5.9
12	17.8	24.6	20.3	81.0	0.0	0.0	0.0	5.2
13	18.8	24.6	20.9	71.3	0.0	0.0	0.0	4.4
14	17.7	26.7	21.4	80.0	0.0	1.0	1.0	8.8
15	18.2	23.0	19.5	93.0	0.0	4.9	4.9	1.8
16	16.4	23.1	19.3	90.3	0.0	57.4	57.4	3.0
17	16.0	23.9	20.0	84.3	0.0	43.9	43.9	5.6
18	16.4	23.6	18.6	95.3	4.0	16.1	20.1	3.3
19	17.0	23.2	19.2	87.7	14.9	11.2	26.1	4.5
20	16.8	21.7	19.0	92.0	0.0	57.4	57.4	.8
21	16.7	22.6	19.4	89.0	0.0	8.1	8.1	3.0
22	15.6	22.8	19.2	89.3	.1	1.8	1.9	1.6
23	17.2	22.2	19.7	91.7	0.0	28.2	28.2	.8
24	17.0	22.4	19.5	91.0	.4	0.0	.4	1.9
25	18.6	24.4	20.5	90.0	0.0	0.0	0.0	2.4
26	18.4	25.6	21.8	77.7	0.0	0.0	0.0	7.4
27	19.0	22.8	20.2	83.7	0.0	.2	.2	.5
28	18.0	23.2	19.8	90.3	.7	3.7	4.4	1.3
29	16.2	23.9	20.4	83.7	0.0	0.0	0.0	4.2
30	17.8	24.6	21.0	87.0	0.0	9.0	9.0	3.3
31	17.4	23.8	20.5	83.7	0.0	0.0	0.0	2.2
Total :					65.4	371.4	436.8	101.4
Promedio :	16.9	23.2	19.6	87.6				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.2	23.9	20.8	88.7	0.0	11.4	11.4	.5
2	17.0	22.8	19.5	91.7	2.4	1.7	4.1	.5
3	18.0	21.2	20.2	89.3	.7	0.0	.7	0.0
4	15.8	23.8	18.4	80.3	15.3	.7	16.0	0.0
5	16.2	24.6	20.2	76.7	0.0	0.0	0.0	8.9
6	17.2	24.0	20.2	83.7	0.0	9.2	9.2	4.4
7	17.0	22.4	19.4	88.7	0.0	0.0	0.0	3.1
8	16.0	22.2	17.3	93.3	1.5	27.8	29.3	.8
9	15.6	20.6	17.9	95.0	2.8	0.0	2.8	.1
10	17.0	21.0	18.6	90.7	0.0	0.0	0.0	.1
11	17.1	24.0	20.0	85.3	0.0	7.3	7.3	5.6
12	17.6	23.8	20.2	91.0	0.0	59.9	59.9	3.4
13	16.2	24.6	20.5	80.3	0.0	4.4	4.4	7.2
14	17.4	24.4	20.4	91.0	2.1	36.6	38.7	3.8
15	16.6	22.8	20.0	86.7	0.0	0.0	0.0	1.2
16	18.0	26.2	21.4	80.0	0.0	0.0	0.0	10.8
17	19.0	27.4	22.6	58.3	0.0	0.0	0.0	10.2
18	19.0	26.0	21.6	71.0	0.0	0.0	0.0	4.6
19	18.2	26.9	22.2	71.0	0.0	0.0	0.0	7.8
20	18.5	23.8	19.7	89.0	0.0	0.0	0.0	1.4
21	18.2	26.6	21.8	76.0	0.0	0.0	0.0	9.6
22	19.0	26.9	22.4	75.0	0.0	.8	.8	10.3
23	18.6	24.2	20.5	88.3	0.0	0.0	0.0	2.8
24	17.7	24.0	20.0	85.7	0.0	45.7	45.7	3.4
25	15.6	23.6	20.0	81.3	0.0	25.5	25.5	2.3
26	16.2	24.0	19.8	86.3	2.7	21.7	24.4	3.9
27	15.6	22.0	18.4	92.7	.6	0.0	.6	1.4
28	16.6	22.6	19.2	89.3	0.0	0.0	0.0	1.7
29	15.8	24.8	20.2	86.0	0.0	75.2	75.2	5.5
30	14.8	22.4	18.4	91.0	1.6	20.9	22.5	.1
31								
Total :					29.7	348.8	378.5	115.4
Promedio :	17.1	23.9	20.1	84.4				

Estación : SANTA HELENA
Año : 1999

Dpto. : CALDAS
Mpio. : MARQUETALIA

Latitud : 5 ° 19 'N
Longitud : 75 ° 0 'W
Altitud : 1450 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	23.4	19.6	89.3	0.0	58.2	58.2	7.6
2	16.1	22.4	18.2	90.0	2.6	18.2	20.8	.8
3	15.8	23.6	19.5	90.7	0.0	9.0	9.0	3.5
4	16.8	23.0	18.0	89.7	11.2	.4	11.6	.7
5	16.6	24.0	19.8	90.0	0.0	.1	.1	5.6
6	17.4	23.2	19.8	79.7	1.1	1.6	2.7	2.5
7	17.2	23.0	19.0	89.0	0.0	0.0	0.0	3.7
8	16.5	22.6	19.1	89.7	0.0	13.4	13.4	1.2
9	16.0	24.8	19.8	85.0	0.0	47.6	47.6	6.2
10	16.1	22.8	19.0	91.7	0.0	.1	.1	1.9
11	16.6	23.4	18.9	89.3	0.0	31.2	31.2	2.9
12	15.6	23.9	19.6	86.0	0.0	14.3	14.3	8.1
13	16.4	22.4	18.3	91.3	0.0	3.2	3.2	1.8
14	17.0	24.0	20.0	85.3	0.0	.6	.6	5.5
15	17.8	24.4	20.8	85.3	0.0	0.0	0.0	8.9
16	18.4	23.4	20.1	88.7	0.0	0.0	0.0	4.1
17	17.2	24.8	21.3	81.7	0.0	0.0	0.0	7.3
18	17.6	25.1	20.8	79.0	0.0	5.0	5.0	5.2
19	16.4	24.6	20.4	84.3	.3	0.0	.3	5.4
20	18.0	24.8	20.0	87.0	1.0	0.0	1.0	7.3
21	17.4	24.6	20.8	73.0	0.0	6.0	6.0	5.8
22	17.2	24.0	20.4	83.0	0.0	14.7	14.7	4.0
23	17.0	25.0	21.0	84.3	0.0	0.0	0.0	10.1
24	18.2	25.4	21.7	81.3	0.0	0.0	0.0	10.1
25	18.0	24.0	20.5	89.7	0.0	5.0	5.0	2.7
26	17.0	23.8	20.0	89.7	1.4	.2	1.6	4.2
27	17.6	25.0	20.9	83.0	0.0	0.0	0.0	3.4
28	17.6	25.2	21.4	83.0	11.8	0.0	11.8	3.0
29	17.8	25.0	20.8	83.7	0.0	1.4	1.4	6.1
30	17.4	24.8	21.0	82.3	0.0	10.8	10.8	7.1
31	17.6	24.8	21.0	77.3	0.0	.6	.6	9.4
Total :					29.4	241.6	271.0	156.1
Promedio :	17.0	24.0	20.0	85.6				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.8	25.2	20.8	81.7	0.0	10.0	10.0	5.8
2	16.3	24.4	20.1	88.0	9.7	0.0	9.7	2.4
3	18.1	26.6	21.8	74.7	0.0	0.0	0.0	7.9
4	18.0	22.6	19.0	90.0	.1	3.9	4.0	.5
5	16.6	23.0	19.5	85.7	0.0	0.0	0.0	2.3
6	18.4	23.4	20.4	86.0	3.5	2.9	6.4	1.6
7	17.4	22.2	19.4	92.7	.1	39.8	39.9	.8
8	15.4	22.0	19.2	86.3	2.0	5.3	7.3	2.9
9	17.4	22.6	19.4	85.3	2.8	7.0	9.8	1.3
10	17.4	24.4	21.0	81.0	0.0	0.0	0.0	8.6
11	18.4	24.0	20.5	88.7	38.0	0.0	38.0	3.0
12	17.2	23.2	19.7	90.0	0.0	36.9	36.9	1.1
13	16.0	22.0	18.6	90.0	0.0	0.0	0.0	.8
14	18.2	21.8	19.4	89.7	0.0	0.0	0.0	.7
15	17.5	22.9	19.6	92.0	0.0	0.0	0.0	.3
16	17.4	21.6	18.8	83.3	0.0	.3	.3	0.0
17	16.8	23.4	19.8	92.7	0.0	2.5	2.5	4.9
18	17.2	23.0	19.2	86.0	2.5	0.0	2.5	.6
19	17.4	22.9	19.5	92.3	0.0	2.0	2.0	1.5
20	17.7	24.4	21.0	87.3	0.0	11.3	11.3	4.5
21	17.9	22.8	19.3	88.0	.2	.3	.5	.5
22	17.6	23.2	19.9	91.0	0.0	0.0	0.0	2.1
23	17.2	21.6	19.4	84.0	0.0	0.0	0.0	.6
24	17.6	23.0	19.4	77.3	0.0	0.0	0.0	3.5
25	17.2	23.4	20.5	82.0	0.0	70.0	70.0	2.7
26	16.4	24.0	19.8	81.7	0.0	5.4	5.4	8.3
27	15.4	22.6	18.7	88.3	8.6	38.5	47.1	2.1
28	16.2	21.2	18.8	92.0	16.3	0.0	16.3	.1
29	16.8	22.6	19.5	89.0	1.0	0.0	1.0	2.1
30	17.6	24.2	20.8	84.7	0.0	18.0	18.0	7.9
31								
Total :					84.8	254.1	338.9	81.4
Promedio :	17.2	23.1	19.8	86.7				

Estación : SANTA HELENA **Dpto. : CALDAS** **Latitud : 5 ° 19 'N**
Año : 1999 **Mpio. : MARQUETALIA** **Longitud : 75 ° 0 'W**
Altitud : 1450 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.8	21.8	18.4	88.0	0.0	1.2	1.2	1.9
2	16.9	23.8	19.7	81.7	0.0	.6	.6	3.5
3	16.2	23.2	19.4	82.3	13.0	.6	13.6	1.3
4	16.4	22.2	18.6	89.0	0.0	1.4	1.4	4.0
5	16.7	24.0	20.3	82.3	1.8	4.7	6.5	5.7
6	17.2	24.2	20.2	85.7	0.0	0.0	0.0	9.3
7	16.6	20.8	18.2	92.0	.8	0.0	.8	.3
8	16.8	23.6	19.8	77.7	0.0	0.0	0.0	4.8
9	16.6	23.8	20.1	69.0	0.0	0.0	0.0	8.5
10	16.0	23.4	19.6	77.0	0.0	0.0	0.0	8.7
11	17.4	24.4	20.5	73.7	0.0	0.0	0.0	9.7
12	17.4	24.6	21.4	72.7	0.0	0.0	0.0	8.0
13	16.6	23.9	19.8	80.0	0.0	0.0	0.0	6.2
14	18.0	26.7	22.0	60.7	0.0	0.0	0.0	11.4
15	18.2	25.4	21.8	62.7	0.0	0.0	0.0	10.4
16	18.2	26.0	21.4	76.7	0.0	0.0	0.0	10.3
17	17.2	26.6	22.0	69.3	0.0	.5	.5	10.5
18	17.0	24.8	20.8	80.3	3.5	0.0	3.5	8.4
19	17.8	25.6	22.2	72.3	0.0	8.5	8.5	8.9
20	16.6	24.8	20.6	80.0	0.0	0.0	0.0	6.4
21	17.6	25.4	21.3	75.0	0.0	0.0	0.0	7.4
22	17.6	25.8	21.0	73.7	0.0	0.0	0.0	7.1
23	17.6	23.2	20.0	81.0	0.0	0.0	0.0	2.5
24	17.9	24.8	20.6	82.3	.2	0.0	.2	7.4
25	18.1	25.8	21.8	69.0	0.0	0.0	0.0	9.8
26	17.6	25.4	21.7	65.0	0.0	1.9	1.9	7.4
27	17.4	24.6	20.6	79.0	.4	0.0	.4	7.5
28	18.2	26.6	21.8	68.0	0.0	11.0	11.0	8.3
29	16.4	22.8	19.6	86.3	6.1	0.0	6.1	.7
30	18.0	26.2	21.5	78.3	0.0	26.8	26.8	9.3
31	16.8	24.8	20.0	72.7	0.0	0.0	0.0	3.4
Total :					25.8	57.2	83.0	209.0
Promedio :	17.2	24.5	20.5	76.9				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.6	24.0	20.2	74.7	0.0	0.0	0.0	8.7
2	16.8	24.8	21.2	56.7	0.0	0.0	0.0	8.1
3	17.2	25.0	21.0	61.3	0.0	0.0	0.0	8.1
4	16.4	24.8	20.2	53.3	0.0	0.0	0.0	8.8
5	16.8	25.4	20.7	76.7	0.0	52.9	52.9	8.3
6	16.2	24.6	20.6	86.3	0.0	64.6	64.6	3.8
7	14.4	23.4	20.0	78.7	0.0	0.0	0.0	1.4
8	17.4	25.0	20.3	81.3	0.0	15.5	15.5	5.3
9	16.6	22.8	19.2	83.7	0.0	0.0	0.0	6.3
10	16.8	25.0	21.6	63.7	0.0	0.0	0.0	8.1
11	18.2	25.4	22.4	63.7	0.0	0.0	0.0	7.3
12	17.2	24.6	20.5	75.3	0.0	0.0	0.0	2.6
13	18.0	24.8	20.4	83.0	.8	0.0	.8	2.9
14	16.0	24.6	18.8	88.3	13.9	16.0	29.9	4.6
15	16.5	24.0	20.2	69.0	0.0	.9	.9	7.0
16	16.8	25.8	21.8	64.3	0.0	0.0	0.0	9.2
17	18.2	26.0	21.6	67.3	0.0	2.4	2.4	10.9
18	17.0	26.8	22.6	58.3	0.0	11.5	11.5	8.4
19	15.8	25.4	20.8	77.3	0.0	0.0	0.0	6.8
20	17.7	24.2	20.1	88.3	.2	13.6	13.8	4.2
21	16.0	23.0	19.5	87.7	0.0	6.5	6.5	2.1
22	16.6	20.8	18.6	93.7	5.5	0.0	5.5	1.3
23	17.0	25.0	20.1	83.7	0.0	0.0	0.0	7.6
24	17.0	24.2	19.8	78.0	8.5	.2	8.7	3.8
25	16.6	21.8	19.1	85.7	5.6	25.6	31.2	.3
26	16.4	23.0	19.6	89.0	1.0	21.2	22.2	4.0
27	16.6	23.8	19.8	91.0	0.0	31.2	31.2	5.1
28	15.4	23.6	19.4	92.7	1.0	2.9	3.9	2.5
29	17.2	24.8	21.3	73.3	0.0	20.5	20.5	5.7
30	14.8	26.2	22.4	62.0	0.0	0.0	0.0	6.5
31	17.8	25.4	21.8	62.7	0.0	0.0	0.0	6.7
Total :					36.5	285.5	322.0	176.4
Promedio :	16.7	24.5	20.5	75.8				

Estación : SANTA HELENA
Año : 1999

Dpto. : CALDAS
Mpio. : MARQUETALIA

Latitud : 5 ° 19 'N
Longitud : 75 ° 0 'W
Altitud : 1450 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	23.3	20.1	84.7	5.0	11.0	16.0	.6
2	16.8	22.2	19.4	93.0	0.0	14.1	14.1	.1
3	16.3	21.9	19.0	89.7	1.1	3.9	5.0	.2
4	17.0	24.1	20.2	86.0	0.0	.3	.3	2.9
5	16.0	23.6	19.0	94.0	20.8	0.0	20.8	1.0
6	17.7	25.6	21.0	77.3	0.0	0.0	0.0	8.3
7	17.0	25.2	21.4	87.0	0.0	1.0	1.0	6.5
8	18.0	23.7	19.0	85.7	0.0	0.0	0.0	1.6
9	16.9	23.9	19.8	88.7	0.0	54.1	54.1	4.1
10	16.6	21.8	18.8	87.3	0.0	.5	.5	.6
11	16.8	22.8	19.6	86.3	0.0	16.6	16.6	1.1
12	16.2	23.0	19.1	90.7	0.0	14.2	14.2	2.5
13	16.8	22.4	18.8	95.0	.5	20.0	20.5	.4
14	16.0	18.8	17.7	92.7	5.3	0.0	5.3	0.0
15	16.1	23.2	19.0	87.7	0.0	1.5	1.5	1.0
16	16.4	24.6	19.8	90.3	0.0	46.3	46.3	4.4
17	16.8	23.0	19.5	86.3	0.0	0.0	0.0	4.1
18	17.4	23.4	19.8	79.7	0.0	0.0	0.0	5.8
19	17.8	22.4	19.8	85.0	0.0	0.0	0.0	2.1
20	17.6	24.6	20.6	85.3	0.0	16.0	16.0	4.3
21	17.8	23.6	20.4	87.7	0.0	10.2	10.2	1.0
22	16.8	21.4	18.5	89.0	0.0	.2	.2	.6
23	15.8	23.6	19.3	77.7	0.0	0.0	0.0	4.7
24	16.4	23.8	19.8	86.7	0.0	89.8	89.8	4.8
25	14.9	22.4	18.7	90.3	0.0	15.9	15.9	2.4
26	16.2	22.6	19.0	88.0	4.4	21.0	25.4	1.3
27	15.4	22.8	19.0	87.7	0.0	.7	.7	2.0
28	16.4	20.8	17.8	89.7	13.1	.5	13.6	0.0
29	16.5	21.4	18.6	93.0	0.0	8.5	8.5	.5
30	16.8	21.5	18.4	94.7	11.1	23.4	34.5	1.5
31								
Total :					61.3	369.7	431.0	70.4
Promedio :	16.7	22.9	19.4	87.9				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.4	22.4	18.8	92.3	.2	12.3	12.5	1.6
2	16.0	22.6	18.6	93.0	.3	0.0	.3	1.4
3	16.8	23.4	19.9	85.7	0.0	7.7	7.7	4.9
4	16.6	23.2	19.8	85.3	0.0	21.0	21.0	6.3
5	15.4	23.8	20.0	90.0	0.0	25.0	25.0	2.4
6	15.8	23.6	19.0	83.7	.3	2.7	3.0	1.6
7	15.4	23.2	18.8	86.0	0.0	50.8	50.8	3.5
8	15.4	24.0	19.6	82.7	0.0	5.5	5.5	6.8
9	17.0	24.4	20.5	83.7	0.0	1.9	1.9	7.5
10	17.4	21.8	19.2	91.3	0.0	9.9	9.9	1.4
11	16.6	22.4	19.0	92.3	0.0	0.0	0.0	1.3
12	17.2	24.0	19.2	88.7	.4	0.0	.4	3.4
13	16.6	23.6	20.2	78.7	0.0	0.0	0.0	6.4
14	17.6	23.0	20.4	83.7	0.0	0.0	0.0	3.2
15	17.6	23.4	20.1	87.0	0.0	22.1	22.1	.9
16	15.2	21.6	18.1	93.0	9.7	3.0	12.7	.6
17	15.8	23.0	18.8	89.3	4.4	0.0	4.4	2.7
18	16.2	22.9	19.6	86.3	1.5	36.4	37.9	3.4
19	15.6	22.2	19.0	85.7	0.0	1.7	1.7	3.7
20	17.2	23.4	20.2	86.0	0.0	76.8	76.8	2.7
21	16.0	23.1	19.8	90.7	0.0	53.3	53.3	3.8
22	16.2	23.2	19.4	91.3	13.3	42.3	55.6	3.3
23	16.0	22.4	18.7	88.7	3	.6	.9	.3
24	17.2	22.2	19.1	94.7	0.0	24.9	24.9	.7
25	16.0	22.9	18.6	90.7	2.3	0.0	2.3	2.2
26	17.4	22.8	19.4	90.0	4.0	51.4	55.4	1.2
27	16.6	23.0	19.4	91.0	0.0	22.3	22.3	5.7
28	16.4	22.8	18.4	91.7	13.0	8.0	21.0	1.8
29	16.2	23.0	19.2	90.3	5.0	110.5	115.5	1.9
30	15.2	22.2	17.8	94.7	4.6	0.0	4.6	.7
31	16.6	22.4	19.0	86.7	0.0	0.0	0.0	1.3
Total :					59.3	590.1	649.4	88.6
Promedio :	16.4	23.0	19.3	88.5				

Estación : SANTA HELENA
Año : 1999

Dpto. : CALDAS
Mpio. : MARQUETALIA

Latitud : 5 ° 19 'N
Longitud : 75 ° 0 'W
Altitud : 1450 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.4	24.8	19.9	88.7	0.0	12.3	12.3	5.1
2	16.8	22.6	19.4	92.7	.2	16.2	16.4	2.0
3	17.2	22.9	19.6	89.3	0.0	25.2	25.2	5.9
4	17.4	23.4	19.9	91.3	2.5	95.4	97.9	3.3
5	15.8	22.4	19.6	93.3	0.0	.3	.3	2.1
6	18.0	23.0	19.6	94.0	8.5	4.4	12.9	.3
7	17.0	23.4	18.6	91.7	0.0	2.3	2.3	5.3
8	16.8	21.2	18.6	92.3	38.7	0.0	38.7	.3
9	16.8	22.8	19.7	87.3	0.0	0.0	0.0	4.2
10	18.2	24.0	20.8	91.7	0.0	8.6	8.6	3.2
11	16.0	23.1	19.0	86.0	0.0	2.0	2.0	.3
12	16.6	23.0	18.8	95.0	4.0	7.3	11.3	1.6
13	16.2	22.6	19.6	92.3	0.0	58.3	58.3	1.1
14	16.6	23.6	20.0	90.3	0.0	11.7	11.7	5.7
15	16.2	24.4	19.4	86.3	0.0	0.0	0.0	3.6
16	16.8	24.8	19.9	86.0	0.0	2.3	2.3	5.1
17	16.4	22.0	18.6	87.7	0.0	86.0	86.0	4.2
18	15.2	20.4	17.6	92.3	1.5	.9	2.4	.3
19	15.9	19.4	17.5	91.7	.3	4.7	5.0	0.0
20	15.4	19.0	17.1	90.3	.7	18.1	18.8	.1
21	15.0	19.8	18.0	81.3	1.8	0.0	1.8	.3
22	14.8	20.2	17.6	96.3	0.0	9.4	9.4	.1
23	16.0	22.4	18.8	91.3	2.0	10.0	12.0	2.5
24	16.4	22.2	18.4	90.3	2.5	13.9	16.4	6.1
25	15.2	20.8	17.4	91.3	4.0	3.0	7.0	.7
26	15.6	21.6	18.2	91.0	0.0	16.3	16.3	4.9
27	15.4	21.2	18.0	91.0	0.0	2.2	2.2	2.4
28	16.2	22.6	19.0	90.7	0.0	21.5	21.5	3.1
29	17.1	22.8	19.4	90.0	0.0	5.3	5.3	4.3
30	16.3	24.0	19.6	88.7	0.0	18.4	18.4	4.7
31								
Total :					66.7	456.0	522.7	82.8
Promedio :	16.4	22.3	18.9	90.4				

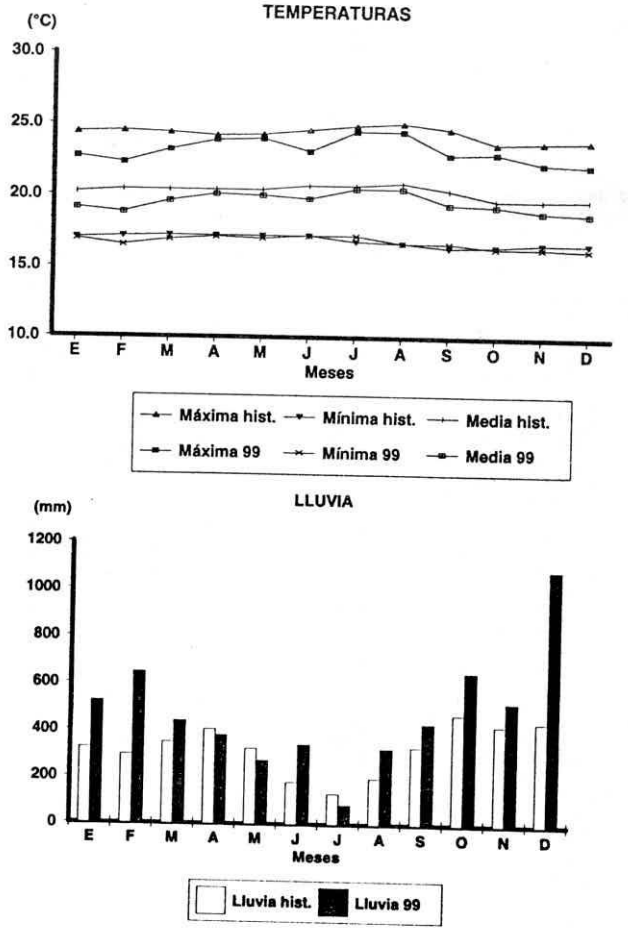
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	21.7	18.3	88.3	.9	6.6	7.5	.7
2	15.6	21.8	18.4	91.3	.2	3.2	3.4	1.1
3	16.3	22.2	19.0	90.7	0.0	90.0	90.0	1.8
4	15.2	22.7	18.7	92.7	0.0	17.0	17.0	2.2
5	16.2	22.2	19.0	90.7	0.0	4.5	4.5	.8
6	17.2	21.4	18.6	92.7	2.0	21.0	23.0	3.8
7	16.8	21.6	18.8	94.0	0.0	34.8	34.8	3.6
8	16.8	22.4	19.3	94.0	0.0	55.9	55.9	2.2
9	17.0	22.8	19.6	93.7	4.9	2.6	7.5	.9
10	18.2	23.0	20.1	90.7	0.0	10.2	10.2	.4
11	17.2	21.6	19.0	91.7	0.0	0.0	0.0	.5
12	17.4	23.8	19.6	87.7	1.0	63.6	64.6	2.5
13	16.0	23.2	18.9	89.7	0.0	62.7	62.7	3.9
14	16.2	22.8	19.0	91.3	0.0	87.3	87.3	2.2
15	15.8	22.0	18.8	91.3	0.0	63.9	63.9	3.4
16	15.0	22.2	18.8	85.7	.5	24.6	25.1	2.3
17	16.1	22.6	19.2	88.3	0.0	47.8	47.8	2.7
18	16.4	22.4	19.0	89.7	0.0	105.7	105.7	3.0
19	16.0	23.2	19.5	90.3	2.9	90.1	93.0	1.7
20	16.8	23.0	19.6	89.3	12.0	67.9	79.9	2.8
21	16.6	22.4	18.8	94.0	.2	84.1	84.3	3.9
22	16.8	22.2	18.8	92.7	2.8	10.9	13.7	4.6
23	16.5	22.4	18.8	85.7	0.0	35.6	35.6	3.6
24	15.0	22.0	18.5	88.7	6.8	5.2	12.0	2.5
25	15.1	22.1	18.1	89.7	1.0	0.0	1.0	5.1
26	16.0	21.4	18.2	84.0	0.0	6.0	6.0	4.4
27	15.7	19.8	17.0	89.3	2.6	0.0	2.6	.8
28	15.8	21.0	18.0	85.7	0.0	33.4	33.4	5.2
29	16.0	22.0	18.2	88.3	0.0	2.4	2.4	4.4
30	16.4	21.6	18.5	88.0	0.0	4.6	4.6	3.3
31	16.8	22.2	19.0	89.7	0.0	6.0	6.0	4.8
Total :					37.8	1047.6	1085.4	85.1
Promedio :	16.3	22.2	18.8	90.0				

Estación : SANTA HELENA
Año : 1999

Dpto. : CALDAS
Mpio. : MARQUETALIA

Latitud : 5 ° 19 'N
Longitud : 75 ° 0 'W
Altitud : 1450 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	16.9	22.7	19.1	24.9	15.4	89.9	521.2	22	87.2
Febrero	16.5	22.3	18.8	25.0	15.4	90.5	645.2	27	45.7
Marzo	16.9	23.2	19.6	26.7	15.0	87.6	436.8	22	101.4
Abril	17.1	23.9	20.1	27.4	14.8	84.4	378.5	18	115.4
Mayo	17.0	24.0	20.0	25.4	15.6	85.6	271.0	24	156.1
Junio	17.2	23.1	19.8	26.6	15.4	86.7	338.9	21	81.4
Julio	17.2	24.5	20.5	26.7	16.0	76.9	83.0	15	209.0
Agosto	16.7	24.5	20.5	26.8	14.4	75.8	322.0	17	176.4
Septiembre	16.7	22.9	19.4	25.6	14.9	87.9	431.0	24	70.4
Octubre	16.4	23.0	19.3	24.4	15.2	88.5	649.4	27	88.6
Noviembre	16.4	22.3	18.9	24.8	14.8	90.4	522.7	28	82.8
Diciembre	16.3	22.2	18.8	23.8	15.0	90.0	1085.4	30	85.1
Promedio :	16.8	23.2	19.6			86.2			
Absoluta :				27.4	14.4				
Total :							5685.1	275	1299.5



Estación : SANTAGUEDA
Año : 1999

Dpto. : CALDAS
Mpio. : PALESTINA

Latitud : 5 ° 5 'N
Longitud : 75 ° 40 'W
Altitud : 1010 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.6	31.2	24.1	71.7	0.0	.5	.5	5.7
2	19.2	30.3	23.6	74.0	0.0	6.5	6.5	5.9
3	18.0	30.1	22.9	74.3	0.0	0.0	0.0	6.3
4	20.0	31.9	24.8	63.0	0.0	2.9	2.9	7.1
5	19.2	27.3	22.6	74.3	1.5	4.6	6.1	2.5
6	19.0	30.3	23.2	72.7	0.0	0.0	0.0	4.8
7	16.9	31.4	23.4	67.3	0.0	0.0	0.0	7.6
8	19.8	28.3	22.8	71.0	.1	7.6	7.7	1.2
9	18.8	27.8	22.7	75.7	16.0	0.0	16.0	2.3
10	19.2	28.0	21.6	80.3	3.6	.1	3.7	3.2
11	18.9	28.8	22.8	74.0	0.0	2.3	2.3	2.1
12	17.2	27.0	21.8	77.0	2.0	0.0	2.0	1.3
13	16.8	30.2	22.9	69.7	0.0	7.8	7.8	6.7
14	18.0	27.1	22.2	77.3	1.0	0.0	1.0	.6
15	18.3	30.2	22.2	67.0	0.0	0.0	0.0	8.4
16	18.0	26.0	20.1	82.7	.5	0.0	.5	1.6
17	16.0	30.3	22.7	69.3	0.0	0.0	0.0	8.5
18	17.8	31.2	23.3	70.3	0.0	3.8	3.8	6.7
19	17.0	30.0	23.7	67.3	0.0	7.8	7.8	6.3
20	18.9	29.2	22.9	73.0	0.0	3.4	3.4	3.9
21	18.1	31.7	23.6	67.3	0.0	4.9	4.9	7.4
22	19.0	30.1	24.2	63.7	0.0	0.0	0.0	4.2
23	18.0	31.0	24.6	64.3	0.0	0.0	0.0	4.7
24	20.2	28.1	24.3	69.3	2.6	12.8	15.4	.3
25	19.4	29.0	23.3	73.7	0.0	0.0	0.0	5.3
26	18.2	31.0	24.3	64.0	0.0	.4	.4	8.3
27	19.9	29.2	24.0	66.7	.8	9.1	9.9	4.3
28	19.0	26.8	22.4	83.0	1.5	0.0	1.5	1.4
29	18.4	31.4	24.1	67.7	0.0	0.0	0.0	6.5
30	19.8	32.5	25.3	66.7	0.0	0.0	0.0	8.3
31	20.2	31.8	24.8	69.3	0.0	0.0	0.0	6.4
Total :					29.6	74.5	104.1	149.8
Promedio :	18.6	29.7	23.3	71.2				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	20.0	28.6	23.6	72.0	0.0	0.0	0.0	1.7
2	19.5	28.8	23.9	75.0	15.0	0.0	15.0	3.9
3	19.0	30.1	23.6	69.3	0.0	0.0	0.0	4.8
4	19.1	28.4	23.6	74.0	0.0	0.0	0.0	.7
5	18.8	27.8	22.5	74.7	0.0	26.0	26.0	1.4
6	18.4	26.4	21.9	80.3	.1	6.0	6.1	1.5
7	18.2	27.2	23.4	76.0	0.0	31.0	31.0	1.2
8	19.0	32.0	24.3	69.0	.6	5.3	5.9	8.7
9	18.0	31.9	24.8	66.7	0.0	0.0	0.0	7.6
10	17.8	24.0	20.9	90.0	.3	0.0	.3	.3
11	17.0	31.1	23.2	68.7	0.0	24.9	24.9	6.0
12	18.0	27.2	23.2	78.7	0.0	0.0	0.0	1.5
13	18.1	27.4	22.2	76.3	.4	.2	.6	.6
14	18.2	27.0	21.9	78.3	.1	.4	.5	1.1
15	18.9	28.1	21.0	77.0	3.6	.2	3.8	1.7
16	17.8	27.6	22.1	79.7	0.0	.5	.5	.7
17	17.4	27.0	20.4	86.7	17.0	0.0	17.0	0.0
18	17.3	28.9	21.0	75.7	0.0	0.0	0.0	3.6
19	17.0	29.3	21.2	75.3	30.2	24.5	54.7	4.1
20	16.9	26.7	21.5	77.7	0.0	0.0	0.0	2.6
21	18.0	29.0	21.2	76.7	1.8	4.0	5.8	2.7
22	18.0	29.0	22.0	72.3	0.0	0.0	0.0	4.5
23	18.1	27.8	22.2	74.0	9.1	1.0	10.1	2.5
24	18.4	28.0	22.2	73.0	0.0	0.0	0.0	2.7
25	17.0	29.0	22.5	71.7	0.0	9.5	9.5	5.2
26	19.0	30.1	24.0	66.0	0.0	5.6	5.6	6.2
27	18.2	27.0	22.8	77.3	0.0	.3	.3	2.6
28	18.8	28.0	22.2	76.0	0.0	7.4	7.4	2.2
29								
30								
31								
Total :					78.2	146.8	225.0	82.3
Promedio :	18.2	28.3	22.5	75.3				

Estación : SANTAGUEDA
Año : 1999

Dpto. : CALDAS
Mpio. : PALESTINA

Latitud : 5 ° 5'N
Longitud : 75 ° 40'W
Altitud : 1010 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.8	27.0	21.7	70.7	0.0	0.0	0.0	2.8
2	17.0	29.1	22.4	70.7	0.0	0.0	0.0	6.5
3	17.9	30.9	23.7	65.7	0.0	0.0	0.0	6.7
4	19.0	28.0	22.7	75.7	0.0	.1	.1	1.9
5	16.7	30.1	23.1	71.3	0.0	0.0	0.0	7.1
6	18.7	32.4	23.8	67.3	0.0	0.0	0.0	7.3
7	17.0	30.2	22.5	73.3	0.0	0.0	0.0	5.7
8	16.8	30.7	22.6	70.0	0.0	3.0	3.0	8.8
9	18.5	28.0	22.0	70.7	1.1	.1	1.2	1.9
10	17.3	31.0	22.2	72.3	0.0	0.0	0.0	6.1
11	16.3	30.7	22.7	72.7	0.0	0.0	0.0	4.9
12	16.5	31.3	23.8	69.0	0.0	24.5	24.5	4.3
13	16.7	27.3	21.6	81.0	0.0	0.0	0.0	1.8
14	15.9	30.6	23.8	64.0	0.0	16.5	16.5	5.2
15	18.8	26.4	21.3	79.3	.2	.1	.3	1.6
16	18.5	27.2	21.8	78.3	0.0	2.7	2.7	2.5
17	17.3	31.0	22.1	73.0	24.4	15.8	40.2	6.1
18	17.8	27.1	21.6	76.7	0.0	.8	.8	1.7
19	18.5	28.8	21.4	78.0	9.2	4.8	14.0	3.3
20	17.0	29.0	22.1	74.7	.1	.9	1.0	4.5
21	17.7	29.1	23.4	69.3	0.0	0.0	0.0	2.3
22	19.0	29.0	22.8	74.0	.2	0.0	.2	5.6
23	18.2	28.9	23.2	71.7	0.0	.4	.4	2.2
24	19.0	28.9	23.4	73.7	0.0	4.7	4.7	2.6
25	18.9	32.0	24.6	66.7	0.0	0.0	0.0	6.7
26	17.0	29.7	22.9	73.0	0.0	.9	.9	4.1
27	19.0	27.5	21.8	80.0	.1	0.0	.1	.2
28	17.8	26.8	21.8	77.7	1.9	7.1	9.0	1.4
29	18.0	29.4	23.0	67.3	0.0	0.0	0.0	6.7
30	18.1	31.2	24.1	64.7	26.0	0.0	26.0	5.6
31	18.2	31.3	23.6	64.7	0.0	0.0	0.0	8.4
Total :					63.2	82.4	145.6	136.5
Promedio :	17.8	29.4	22.7	72.2				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.7	30.8	24.2	64.7	0.0	0.0	0.0	2.7
2	19.8	31.5	25.2	71.7	.7	22.0	22.7	5.5
3	18.0	22.5	20.2	91.7	.4	0.0	.4	0.0
4	15.3	30.7	21.7	70.7	.1	4.0	4.1	5.3
5	17.2	31.1	23.4	70.0	0.0	2.7	2.7	7.7
6	18.4	32.2	24.8	61.0	0.0	.1	.1	9.2
7	20.0	30.2	24.5	67.0	0.0	41.0	41.0	3.7
8	19.0	28.0	22.9	76.3	8.9	23.9	32.8	3.1
9	18.8	27.6	21.6	80.0	.7	0.0	.7	1.1
10	18.9	28.4	21.5	81.7	3.5	24.5	28.0	1.7
11	18.8	31.0	24.7	68.3	0.0	5.5	5.5	6.7
12	19.5	31.8	24.4	70.3	0.0	21.0	21.0	6.3
13	18.8	30.0	23.6	72.3	0.0	0.0	0.0	4.2
14	19.5	29.9	24.8	69.7	.4	22.9	23.3	3.9
15	19.2	30.8	23.8	74.7	1.3	0.0	1.3	5.0
16	18.9	32.5	25.5	65.0	0.0	0.0	0.0	7.4
17	18.2	32.8	25.6	66.0	0.0	0.0	0.0	8.7
18	16.9	31.3	25.0	66.3	0.0	0.0	0.0	8.0
19	16.4	32.1	23.9	67.0	0.0	0.0	0.0	7.8
20	19.0	30.7	21.7	80.7	0.0	0.0	0.0	4.4
21	16.7	31.3	24.1	70.0	0.0	0.0	0.0	6.4
22	17.0	33.3	24.8	68.3	0.0	0.0	0.0	8.5
23	20.8	27.7	23.7	78.7	0.0	11.1	11.1	0.0
24	19.3	26.6	22.1	84.7	8.4	7.0	15.4	2.5
25	17.9	27.0	21.8	78.7	.2	52.0	52.2	3.1
26	18.8	29.2	22.6	77.0	.3	1.4	1.7	2.3
27	18.3	27.0	21.0	80.7	1.6	0.0	1.6	1.1
28	17.2	30.1	23.4	74.0	1.4	8.1	9.5	2.9
29	19.2	30.5	23.6	72.3	0.0	53.0	53.0	4.9
30	17.3	24.6	19.8	89.3	8.1	0.0	8.1	.4
31								
Total :					36.0	300.2	336.2	134.5
Promedio :	18.4	29.8	23.3	73.6				

Estación : SANTAGUEDA
Año : 1999

Dpto. : CALDAS
Mpio. : PALESTINA

Latitud : 5 ° 5 'N
Longitud : 75 ° 40 'W
Altitud : 1010 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	28.9	23.4	65.7	0.0	18.5	18.5	6.0
2	18.3	26.0	22.4	79.7	0.0	0.0	0.0	1.5
3	18.1	30.0	23.6	64.7	0.0	34.0	34.0	6.1
4	17.0	24.1	19.4	91.0	4.0	0.0	4.0	.8
5	17.2	30.0	22.2	72.0	1.0	4.0	5.0	4.0
6	17.8	29.0	22.8	70.3	0.0	13.0	13.0	6.3
7	17.9	28.1	22.2	73.7	0.0	12.0	12.0	5.5
8	17.0	28.8	22.5	72.3	0.0	0.0	0.0	6.4
9	18.1	28.2	21.2	78.0	14.5	27.0	41.5	1.9
10	16.8	28.0	21.2	74.3	0.0	0.0	0.0	6.6
11	17.0	27.0	20.7	78.7	0.0	.1	.1	1.8
12	17.9	28.3	22.8	69.7	0.0	50.0	50.0	5.3
13	16.7	27.3	22.2	69.3	0.0	.2	.2	3.1
14	18.7	28.5	24.0	72.3	0.0	0.0	0.0	4.4
15	17.7	29.8	24.2	67.7	0.0	0.0	0.0	6.1
16	18.3	32.0	25.0	58.0	0.0	14.0	14.0	9.5
17	18.5	31.0	23.7	63.3	0.0	4.1	4.1	9.8
18	17.0	27.2	22.9	75.0	0.0	0.0	0.0	2.1
19	17.8	28.2	21.8	75.3	0.0	0.0	0.0	4.3
20	16.0	27.2	21.6	76.0	0.0	0.0	0.0	7.1
21	17.8	27.5	22.1	75.7	0.0	50.0	50.0	4.3
22	17.5	27.1	21.4	88.0	.5	9.3	9.8	4.6
23	18.0	30.8	22.8	71.0	0.0	0.0	0.0	9.4
24	18.8	31.6	24.3	67.7	0.0	0.0	0.0	9.8
25	17.8	29.7	22.7	76.3	0.0	1.9	1.9	6.4
26	18.0	31.2	23.8	64.7	0.0	0.0	0.0	10.0
27	17.2	30.8	23.7	67.3	0.0	0.0	0.0	6.0
28	18.0	28.4	22.6	80.7	.5	0.0	.5	1.9
29	18.8	28.8	20.9	85.0	2.5	80.5	83.0	2.0
30	17.3	28.0	22.8	76.3	0.0	0.0	0.0	4.4
31	17.6	30.5	23.5	71.7	0.0	1.3	1.3	6.2
Total :					23.0	319.9	342.9	163.6
Promedio :	17.6	28.8	22.6	73.3				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.2	29.3	23.2	72.3	0.0	0.0	0.0	4.8
2	19.7	28.0	22.1	82.3	.5	0.0	.5	1.4
3	17.5	30.0	23.1	72.3	0.0	7.1	7.1	5.9
4	16.4	27.8	21.9	76.0	0.0	20.0	20.0	.7
5	17.2	26.0	22.2	82.0	.3	0.0	.3	3.0
6	17.2	27.8	22.4	78.7	0.0	0.0	0.0	3.0
7	17.7	27.3	20.8	82.7	.5	29.5	30.0	2.6
8	17.5	27.4	24.8	74.7	.9	0.0	.9	3.4
9	18.3	30.9	22.6	72.0	0.0	1.9	1.9	8.5
10	16.2	31.0	23.6	63.7	0.0	4.2	4.2	7.1
11	18.9	28.0	22.0	80.7	10.0	0.0	10.0	4.1
12	17.2	28.5	22.2	75.0	0.0	.1	.1	5.4
13	18.0	26.5	20.8	81.3	1.0	0.0	1.0	.7
14	17.5	28.0	21.6	75.7	0.0	0.0	0.0	5.2
15	17.9	27.0	21.6	77.3	1.4	1.6	3.0	.9
16	18.4	28.7	21.4	77.3	1.7	0.0	1.7	4.2
17	17.0	30.0	23.2	60.7	0.0	1.1	1.1	7.2
18	18.3	23.3	20.5	88.0	.7	.1	.8	.3
19	17.3	29.0	23.4	64.3	0.0	.5	.5	4.8
20	17.9	29.4	23.8	66.3	0.0	25.0	25.0	4.7
21	18.8	25.1	21.6	84.0	0.0	19.3	19.3	0.0
22	18.3	29.6	22.9	73.3	0.0	0.0	0.0	6.2
23	18.4	27.8	22.3	74.7	0.0	0.0	0.0	4.2
24	17.7	28.5	22.6	74.3	0.0	17.0	17.0	2.9
25	16.7	27.3	21.8	77.3	.1	9.7	9.8	2.5
26	17.8	28.8	21.4	75.3	0.0	9.5	9.5	4.1
27	17.5	28.0	21.2	76.0	.7	6.3	7.0	1.5
28	16.7	25.1	20.4	81.7	.6	0.0	.6	.4
29	15.8	28.9	21.7	75.3	0.0	0.0	0.0	5.0
30	16.2	30.3	23.2	65.0	0.0	.5	.5	9.6
31								
Total :					18.4	153.4	171.8	114.3
Promedio :	17.6	28.1	22.2	75.3				

Estación : SANTAGUEDA
Año : 1999

Dpto. : CALDAS
Mpio. : PALESTINA

Latitud : 5 ° 5 'N
Longitud : 75 ° 40 'W
Altitud : 1010 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	28.1	22.8	69.0	0.0	.6	.6	5.3
2	18.2	29.2	22.8	69.3	0.0	38.0	38.0	5.7
3	17.3	27.0	21.8	76.3	4.2	3.4	7.6	2.1
4	17.9	29.2	23.0	72.0	0.0	0.0	0.0	6.8
5	17.5	29.5	22.4	73.3	0.0	0.0	0.0	7.6
6	17.0	30.0	22.5	72.7	2.3	7.6	9.9	5.9
7	18.0	28.2	22.2	74.7	0.0	18.0	18.0	4.5
8	17.2	29.0	22.8	73.3	0.0	3.0	3.0	4.7
9	18.2	29.8	23.2	73.0	1.0	2.0	3.0	6.0
10	17.0	31.0	22.8	68.0	0.0	0.0	0.0	8.9
11	17.2	30.9	23.2	67.3	0.0	10.0	10.0	7.8
12	19.0	29.0	23.3	71.0	0.0	2.0	2.0	5.8
13	17.9	31.3	23.6	68.0	0.0	0.0	0.0	9.2
14	16.5	32.9	23.8	67.3	0.0	0.0	0.0	9.3
15	17.0	32.0	23.5	65.7	0.0	19.0	19.0	9.0
16	18.0	28.5	22.9	75.3	0.0	0.0	0.0	6.2
17	16.0	29.7	23.6	64.3	0.0	34.0	34.0	5.9
18	17.8	30.0	23.0	70.7	0.0	0.0	0.0	6.7
19	18.5	30.8	23.7	63.7	.2	4.2	4.4	7.7
20	18.0	29.3	23.0	74.3	0.0	2.1	2.1	8.0
21	17.2	30.4	23.8	68.7	0.0	0.0	0.0	9.0
22	16.5	30.7	22.9	70.0	0.0	1.3	1.3	6.4
23	18.7	29.5	21.8	78.3	1.7	.4	2.1	6.4
24	17.2	29.9	23.2	70.0	0.0	0.0	0.0	6.8
25	17.6	32.0	24.6	64.7	0.0	0.0	0.0	8.5
26	18.9	29.2	23.8	67.7	0.0	17.3	17.3	4.9
27	18.7	30.1	23.9	70.0	0.0	7.8	7.8	6.7
28	18.0	29.7	23.4	73.7	0.0	0.0	0.0	6.1
29	19.0	28.3	23.0	76.7	.2	0.0	.2	2.6
30	16.6	31.2	24.0	66.0	0.0	2.2	2.2	8.4
31	18.3	30.5	21.7	78.3	.9	0.0	.9	5.4
Total :					10.5	172.9	183.4	204.3
Promedio :	17.7	29.9	23.1	70.8				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.7	29.7	23.4	68.3	0.0	0.0	0.0	6.5
2	18.4	28.8	23.0	72.7	0.0	3.0	3.0	5.1
3	18.7	27.6	22.3	72.0	0.0	.8	.8	3.5
4	18.0	29.0	23.4	69.3	0.0	2.0	2.0	4.5
5	18.1	30.8	23.6	67.3	0.0	0.0	0.0	8.5
6	18.3	29.7	23.8	69.0	0.0	37.0	37.0	7.4
7	16.8	28.0	21.2	75.0	0.0	3.6	3.6	4.0
8	18.3	29.8	23.6	69.7	0.0	0.0	0.0	6.3
9	18.5	28.0	22.7	75.7	0.0	0.0	0.0	3.2
10	15.5	30.6	23.0	65.0	0.0	0.0	0.0	7.6
11	17.0	29.8	23.8	66.7	0.0	0.0	0.0	7.4
12	17.3	30.5	22.1	77.7	.3	2.3	2.6	5.0
13	18.0	28.9	21.4	72.3	2.4	1.4	3.8	3.8
14	17.0	28.4	22.6	73.0	0.0	31.0	31.0	5.9
15	16.0	26.3	21.3	78.3	0.0	0.0	0.0	3.1
16	16.9	30.5	23.0	69.3	0.0	4.0	4.0	9.2
17	17.0	28.2	23.1	66.7	0.0	0.0	0.0	6.4
18	17.8	28.1	22.0	73.7	0.0	0.0	0.0	3.5
19	18.0	28.7	23.3	68.0	0.0	0.0	0.0	3.0
20	16.9	30.3	23.8	63.0	0.0	13.3	13.3	8.1
21	17.0	24.8	19.4	85.0	6.3	0.0	6.3	.3
22	15.5	27.1	21.8	72.7	0.0	0.0	0.0	4.1
23	14.7	28.0	19.7	93.0	2.5	0.0	2.5	5.9
24	15.0	25.7	19.2	85.3	0.0	0.0	0.0	4.1
25	14.7	26.2	20.9	81.0	0.0	1.8	1.8	.2
26	17.8	28.8	22.8	61.7	0.0	.5	.5	4.6
27	18.9	29.1	22.0	74.7	.3	2.2	2.5	3.4
28	18.8	26.0	21.6	86.7	7.2	0.0	7.2	2.4
29	17.8	31.0	23.8	75.0	0.0	0.0	0.0	8.6
30	18.1	30.5	23.0	73.7	0.0	0.0	0.0	4.2
31	17.0	30.8	23.5	69.3	0.0	1.2	1.2	5.5
Total :					19.0	104.1	123.1	155.3
Promedio :	17.2	28.7	22.4	73.3				

Estación : SANTAGUEDA
Año : 1999

Dpto. : CALDAS
Mpio. : PALESTINA

Latitud : 5 ° 5 'N
Longitud : 75 ° 40 'W
Altitud : 1010 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.0	30.7	21.6	77.3	30.0	8.0	38.0	4.8
2	18.5	28.8	22.8	76.3	2.0	5.0	7.0	3.3
3	19.0	28.3	22.8	76.3	0.0	0.0	0.0	2.8
4	18.0	29.9	23.0	77.7	0.0	0.0	0.0	2.8
5	17.5	26.5	21.0	84.0	0.0	0.0	0.0	1.1
6	17.0	29.8	23.4	65.0	0.0	0.0	0.0	5.4
7	17.1	30.5	23.2	70.3	0.0	39.0	39.0	4.1
8	18.0	28.3	23.0	71.0	0.0	0.0	0.0	2.5
9	17.9	29.2	23.2	70.7	0.0	43.0	43.0	2.7
10	18.0	27.5	22.6	73.7	0.0	0.0	0.0	1.3
11	18.9	28.0	22.2	73.7	.6	14.8	15.4	2.2
12	18.2	26.5	20.7	76.3	3.9	3.7	7.6	2.0
13	17.5	29.0	21.2	76.0	2.0	19.0	21.0	3.9
14	17.0	25.5	19.9	80.0	0.0	0.0	0.0	.4
15	17.7	29.8	22.0	74.3	0.0	0.0	0.0	6.3
16	17.0	31.6	22.8	70.3	0.0	17.0	17.0	6.4
17	18.5	26.5	22.5	71.3	0.0	0.0	0.0	1.9
18	16.5	29.5	22.9	71.7	0.0	0.0	0.0	6.8
19	17.8	28.3	23.1	69.0	0.0	13.3	13.3	5.6
20	18.1	30.7	23.8	68.7	0.0	0.0	0.0	6.1
21	18.3	31.0	24.0	71.7	0.0	35.0	35.0	4.5
22	18.0	27.5	22.4	74.0	0.0	0.0	0.0	2.6
23	18.5	29.2	21.1	75.3	0.0	0.0	0.0	3.2
24	17.0	30.2	22.6	72.7	0.0	1.1	1.1	6.7
25	19.0	28.5	22.2	75.7	1.7	11.4	13.1	2.1
26	17.5	27.5	22.2	69.3	2.7	10.3	13.0	3.9
27	18.5	28.0	21.3	74.3	1.5	23.5	25.0	3.0
28	17.5	26.0	21.5	75.7	.3	1.9	2.2	.5
29	18.0	27.2	22.1	73.3	0.0	0.0	0.0	.1
30	17.5	29.9	22.4	71.0	0.0	3.6	3.6	5.4
31								
Total :					44.7	249.6	294.3	104.4
Promedio :	17.9	28.7	22.3	73.6				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	25.2	21.0	79.7	0.0	0.0	0.0	0.0
2	17.9	28.6	21.3	79.7	0.0	0.0	0.0	2.3
3	18.0	29.5	24.0	61.7	0.0	1.0	1.0	5.8
4	19.0	28.9	22.5	72.0	0.0	0.0	0.0	2.7
5	17.5	29.4	21.9	73.7	0.0	80.0	80.0	2.4
6	16.1	26.0	20.0	80.0	13.0	0.0	13.0	.6
7	17.0	28.8	21.7	68.7	0.0	0.0	0.0	5.3
8	16.2	29.8	22.0	76.3	18.0	0.0	18.0	2.2
9	18.2	28.0	22.4	77.3	0.0	0.0	0.0	4.5
10	18.4	27.8	22.4	77.7	0.0	91.0	91.0	1.9
11	17.8	29.0	22.0	75.0	0.0	0.0	0.0	6.1
12	18.6	30.0	22.7	73.7	0.0	0.0	0.0	6.7
13	18.5	28.6	22.6	76.7	0.0	4.0	4.0	5.7
14	18.0	29.0	22.9	80.3	0.0	1.0	1.0	5.5
15	18.0	28.9	22.9	81.0	0.0	16.0	16.0	5.5
16	17.4	27.0	21.0	83.3	1.0	0.0	1.0	3.0
17	16.0	25.8	19.2	93.7	1.0	0.0	1.0	1.0
18	15.5	31.0	22.0	77.0	2.0	6.0	8.0	7.4
19	18.2	29.8	22.9	75.0	0.0	0.0	0.0	7.0
20	18.6	28.6	22.2	80.3	0.0	0.0	0.0	1.8
21	17.4	29.3	23.0	76.3	5.0	0.0	5.0	3.3
22	18.0	28.2	22.5	81.7	2.0	13.0	15.0	2.3
23	18.5	27.9	22.8	77.0	2.0	0.0	2.0	1.4
24	19.0	30.1	22.6	81.7	10.0	18.0	28.0	5.4
25	17.0	27.0	21.8	80.7	0.0	0.0	0.0	1.0
26	18.2	28.0	23.4	79.0	0.0	21.2	21.2	4.5
27	18.0	28.9	22.7	76.3	.6	0.0	.6	5.8
28	18.6	28.2	21.2	80.3	0.0	0.0	0.0	4.0
29	16.5	29.5	22.8	75.7	0.0	0.0	0.0	7.2
30	18.0	26.4	21.4	82.3	0.0	0.0	0.0	1.2
31	17.0	29.5	22.2	80.3	0.0	0.0	0.0	4.4
Total :					54.6	251.2	305.8	117.9
Promedio :	17.7	28.5	22.1	77.9				

Estación : SANTAGUEDA
Año : 1999

Dpto. : CALDAS
Mpio. : PALESTINA

Latitud : 5 ° 5 'N
Longitud : 75 ° 40 'W
Altitud : 1010 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.0	30.7	22.8	71.7	0.0	0.0	0.0	4.8
2	18.5	30.9	22.3	77.0	38.4	29.7	68.1	5.6
3	18.0	30.2	23.8	78.3	.4	1.2	1.6	4.6
4	19.2	29.5	22.5	79.7	0.0	7.0	7.0	5.9
5	18.0	29.8	22.7	77.7	0.0	2.0	2.0	6.9
6	18.5	29.5	21.8	79.3	25.7	0.0	25.7	4.0
7	19.5	28.0	21.5	82.7	.5	1.8	2.3	3.3
8	19.0	28.0	22.2	79.7	0.0	0.0	0.0	2.8
9	19.0	30.5	23.5	78.3	0.0	33.0	33.0	7.7
10	19.3	31.5	24.8	72.7	0.0	37.1	37.1	7.3
11	18.0	26.9	22.2	86.3	0.0	0.0	0.0	1.1
12	18.1	29.4	24.0	72.3	0.0	87.7	87.7	3.8
13	18.5	28.5	22.6	81.0	2.5	0.0	2.5	4.2
14	18.0	31.0	24.0	74.0	0.0	0.0	0.0	9.8
15	19.5	30.5	22.1	77.7	0.0	0.0	0.0	1.7
16	17.5	30.8	23.2	72.0	0.0	0.0	0.0	9.7
17	17.0	29.9	22.7	74.7	0.0	8.7	8.7	8.3
18	18.5	26.2	22.3	79.0	.1	4.3	4.4	1.3
19	18.8	27.2	21.6	85.0	0.0	.9	.9	1.3
20	19.0	27.8	22.5	81.0	0.0	7.6	7.6	3.8
21	18.0	26.9	21.8	79.7	.3	3.2	3.5	2.7
22	18.2	26.0	21.2	84.3	0.0	0.0	0.0	.9
23	17.5	29.5	22.2	77.3	5.1	17.4	22.5	6.9
24	17.8	28.6	21.8	77.0	.1	15.6	15.7	4.3
25	18.0	28.2	21.8	77.0	2.0	0.0	2.0	5.9
26	17.0	29.9	22.5	77.0	0.0	0.0	0.0	9.0
27	17.1	31.0	23.5	73.3	0.0	8.2	8.2	8.7
28	19.0	29.5	23.2	78.0	0.0	.2	.2	4.8
29	17.5	30.5	23.1	75.3	0.0	13.8	13.8	6.7
30	18.5	28.8	21.6	81.0	23.0	.1	23.1	3.9
31								
Total :					98.1	279.5	377.6	151.7
Promedio :	18.3	29.2	22.6	78.0				

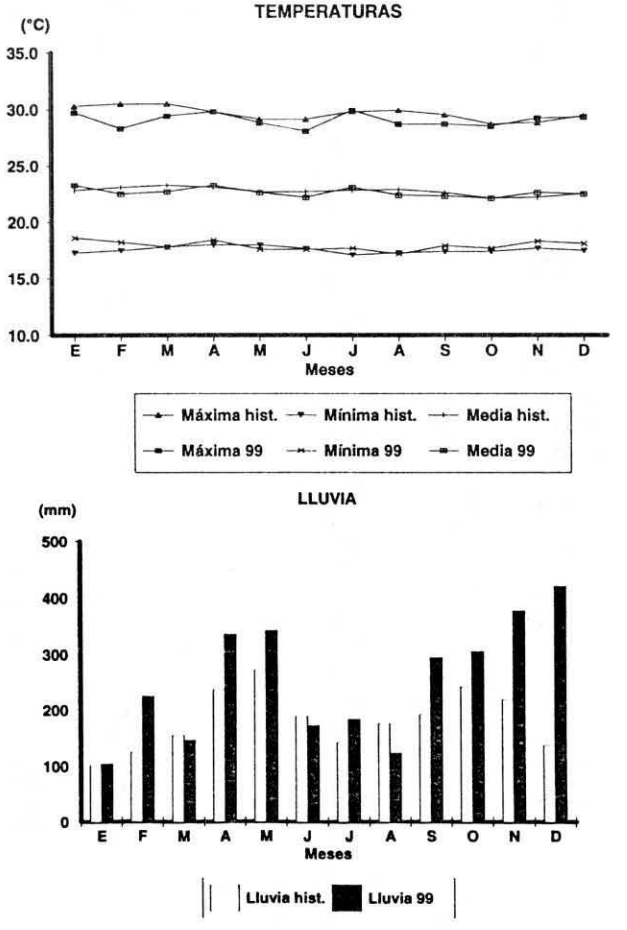
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.4	22.5	19.6	95.7	16.4	0.0	16.4	0.0
2	17.0	29.1	22.4	81.3	0.0	0.0	0.0	4.1
3	18.5	27.2	22.4	82.7	0.0	5.1	5.1	1.6
4	18.8	29.1	22.1	82.3	.9	46.3	47.2	3.9
5	19.0	27.7	22.1	80.3	2.3	0.0	2.3	3.5
6	18.5	29.9	22.1	78.0	4.0	5.8	9.8	4.3
7	18.0	30.1	23.0	78.7	0.0	.1	.1	7.1
8	17.8	31.0	24.0	79.7	0.0	5.8	5.8	6.9
9	19.5	31.5	23.9	79.7	0.0	47.4	47.4	7.2
10	19.0	27.9	22.3	83.3	0.0	0.0	0.0	1.9
11	17.0	30.5	23.0	77.7	.1	5.8	5.9	6.4
12	19.5	28.7	21.7	84.3	38.3	22.8	61.1	3.4
13	19.0	29.5	22.4	79.3	0.0	49.7	49.7	3.8
14	18.5	29.7	22.9	78.7	.3	52.6	52.9	7.0
15	18.4	29.8	23.8	76.0	.2	4.6	4.8	4.9
16	18.0	30.0	22.1	79.3	2.3	8.3	10.6	6.2
17	18.5	29.4	23.2	70.3	0.0	24.7	24.7	5.0
18	19.0	30.6	23.7	77.0	0.0	14.1	14.1	6.9
19	18.9	31.0	23.5	79.3	.1	19.7	19.8	8.1
20	19.5	29.5	23.2	79.0	0.0	2.6	2.6	6.0
21	19.6	29.8	24.0	76.0	0.0	1.5	1.5	6.9
22	19.8	28.0	22.7	79.7	.3	0.0	.3	2.9
23	19.5	29.3	22.6	76.0	0.0	15.4	15.4	7.3
24	18.0	26.1	21.6	80.7	1.3	6.3	7.6	1.0
25	17.5	28.6	21.0	82.0	0.0	0.0	0.0	4.6
26	14.5	29.3	21.5	76.7	0.0	0.0	0.0	7.7
27	16.0	30.8	22.6	76.0	0.0	0.0	0.0	7.6
28	16.1	29.9	22.5	73.3	0.0	0.0	0.0	8.5
29	16.0	29.1	21.2	78.7	0.0	0.0	0.0	8.4
30	14.8	30.9	22.1	74.3	0.0	7.7	7.7	8.8
31	18.2	31.2	23.4	73.0	0.0	7.9	7.9	9.0
Total :					66.5	354.2	420.7	170.9
Promedio :	18.1	29.3	22.5	79.0				

Estación : SANTAGUEDA
Año : 1999

Dpto. : CALDAS
Mpio. : PALESTINA

Latitud : 5 ° 5 'N
Longitud : 75 ° 40 'W
Altitud : 1010 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	18.6	29.7	23.3	32.5	16.0	71.2	104.1	20	149.8
Febrero	18.2	28.3	22.5	32.0	16.9	75.3	225.0	19	82.3
Marzo	17.8	29.4	22.7	32.4	15.9	72.2	145.6	18	136.5
Abril	18.4	29.8	23.3	33.3	15.3	73.6	336.2	21	134.5
Mayo	17.6	28.8	22.6	32.0	15.0	73.3	342.9	18	163.6
Junio	17.6	28.1	22.2	31.0	15.8	75.3	171.8	24	114.3
Julio	17.7	29.9	23.1	32.9	16.0	70.8	183.4	20	204.3
Agosto	17.2	28.7	22.4	31.0	14.7	73.3	123.1	17	155.3
Septiembre	17.9	28.7	22.3	31.6	16.5	73.6	294.3	16	104.4
Octubre	17.7	28.5	22.1	31.0	15.5	77.9	305.8	17	117.9
Noviembre	18.3	29.2	22.6	31.5	17.0	78.0	377.6	22	151.7
Diciembre	18.1	29.3	22.5	31.5	14.5	79.0	420.7	24	170.9
Promedio :	17.9	29.0	22.6			74.5			
Absoluta :				33.3	14.5				
Total :							3030.5	236	1685.5



Estación : GRANJA LUKER
Año : 1999

Dpto. : CALDAS
Mpio. : PALESTINA

Latitud : 5 ° 5 'N
Longitud : 75 ° 41 'W
Altitud : 1020 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.4	31.0	24.6	74.3	0.0	0.0	0.0	3.5
2	18.8	29.6	23.2	76.0	0.0	8.0	8.0	4.7
3	18.2	30.0	22.8	76.0	0.0	0.0	0.0	5.4
4	19.4	30.2	24.4	70.3	0.0	1.5	1.5	6.3
5	19.2	26.8	22.1	79.7	1.6	.7	2.3	2.4
6	19.0	30.0	22.8	77.0	0.0	0.0	0.0	4.6
7	17.0	30.6	22.6	73.7	0.0	.3	.3	7.5
8	19.6	28.4	22.2	80.7	.1	14.6	14.7	1.1
9	19.2	28.2	22.2	81.3	10.2	.4	10.6	2.6
10	19.0	28.0	21.7	82.0	3.8	0.0	3.8	2.3
11	18.6	27.4	21.8	77.3	0.0	2.1	2.1	2.2
12	17.4	25.4	21.2	78.0	4.7	0.0	4.7	.6
13	16.8	29.6	22.5	73.3	0.0	.9	.9	6.5
14	18.2	27.0	22.0	78.7	6.7	0.0	6.7	.4
15	18.0	29.4	22.2	71.7	0.0	0.0	0.0	9.0
16	17.6	26.2	20.2	81.3	1.0	0.0	1.0	1.9
17	16.2	29.8	22.2	73.0	0.0	0.0	0.0	8.6
18	18.0	30.8	23.2	71.7	0.0	2.3	2.3	6.9
19	17.0	29.0	23.3	72.3	0.0	5.3	5.3	6.4
20	18.8	28.8	22.8	75.7	0.0	12.6	12.6	4.3
21	18.0	31.0	23.2	75.0	0.0	3.5	3.5	6.9
22	19.6	29.2	23.6	74.0	.3	0.0	.3	4.0
23	18.0	30.0	24.0	70.0	0.0	0.0	0.0	5.3
24	20.0	27.4	22.5	81.3	.6	11.2	11.8	.2
25	18.6	29.2	22.5	76.3	0.0	0.0	0.0	5.0
26	18.2	30.8	23.8	71.3	0.0	1.4	1.4	8.5
27	20.0	29.5	23.4	75.7	.2	6.1	6.3	4.3
28	18.8	27.2	22.2	84.7	2.2	0.0	2.2	2.5
29	18.8	31.7	24.3	72.3	0.0	0.0	0.0	6.7
30	19.4	31.9	25.0	70.0	0.0	.3	.3	8.7
31	19.6	31.8	24.2	75.7	0.0	0.0	0.0	7.1
Total :					31.4	71.2	102.6	146.4
Promedio :	18.5	29.2	22.9	75.8				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.6	28.0	23.5	76.0	0.0	6.3	6.3	1.6
2	19.8	29.0	22.8	77.7	15.2	0.0	15.2	3.4
3	19.0	29.9	23.2	74.3	.1	0.0	.1	3.9
4	19.2	28.8	23.0	78.7	0.0	0.0	0.0	1.5
5	19.0	28.0	22.8	77.7	0.0	31.8	31.8	1.7
6	18.6	27.0	22.0	82.7	0.0	5.9	5.9	1.6
7	18.8	27.4	22.6	76.7	.1	18.5	18.6	1.4
8	19.6	31.0	23.3	77.0	8.9	7.7	16.6	8.9
9	18.8	31.8	24.5	73.0	0.0	0.0	0.0	6.9
10	19.4	24.1	21.0	86.7	.3	0.0	.3	.1
11	18.4	31.2	23.2	75.0	0.0	6.5	6.5	5.2
12	19.0	28.0	22.5	83.0	0.0	0.0	0.0	1.3
13	18.8	27.7	21.8	78.7	.6	.3	.9	.2
14	19.0	26.8	22.1	82.0	0.0	0.0	0.0	.5
15	18.0	26.2	21.0	81.3	5.5	0.0	5.5	.9
16	18.0	26.4	21.4	79.3	0.0	0.0	0.0	.6
17	18.4	25.0	20.7	84.7	17.5	.1	17.6	.1
18	18.0	28.6	21.9	77.7	0.0	0.0	0.0	3.2
19	18.4	29.2	22.0	78.0	0.0	0.0	0.0	4.1
20	17.6	26.4	21.2	81.0	0.0	0.0	0.0	3.0
21	18.6	28.8	21.6	78.0	.9	4.6	5.5	2.4
22	18.0	28.4	22.1	75.7	0.0	7.9	7.9	4.3
23	18.6	27.6	22.5	78.3	5.0	9.4	14.4	3.2
24	19.0	27.9	22.4	79.3	0.0	15.9	15.9	2.6
25	18.0	28.8	22.3	77.3	0.0	0.0	0.0	5.7
26	19.6	30.2	24.2	71.3	0.0	4.1	4.1	5.8
27	19.0	27.1	23.6	80.0	0.0	.7	.7	2.1
28	19.6	28.0	22.2	78.3	0.0	8.3	8.3	1.5
29								
30								
31								
Total :					54.1	128.0	182.1	77.7
Promedio :	18.8	28.1	22.4	78.6				

Estación : GRANJA LUKER
Año : 1999

Dpto. : CALDAS
Mpio. : PALESTINA

Latitud : 5 ° 5 'N
Longitud : 75 ° 41 'W
Altitud : 1020 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	25.5	21.2	77.7	0.0	0.0	0.0	1.7
2	17.5	28.0	22.5	73.0	0.0	0.0	0.0	7.2
3	18.0	30.6	23.4	72.7	0.0	0.0	0.0	6.5
4	19.6	28.0	23.0	76.7	0.0	.1	.1	1.6
5	17.8	29.8	23.5	72.0	0.0	0.0	0.0	7.3
6	19.0	31.9	24.2	73.3	0.0	0.0	0.0	7.0
7	18.4	30.6	23.0	76.0	0.0	0.0	0.0	5.2
8	17.8	29.8	23.4	70.0	0.0	6.6	6.6	8.6
9	18.6	27.4	22.7	72.7	1.6	0.0	1.6	1.0
10	17.0	29.2	22.0	73.0	0.0	0.0	0.0	6.1
11	16.6	29.8	22.5	72.0	0.0	0.0	0.0	4.8
12	17.0	31.0	23.5	71.7	0.0	23.3	23.3	3.2
13	16.8	27.0	20.8	85.3	0.0	.1	.1	0.0
14	16.0	29.0	22.8	71.0	0.0	13.0	13.0	4.5
15	17.8	25.8	20.5	81.0	.3	4.9	5.2	1.1
16	18.0	26.2	21.5	80.7	0.0	1.3	1.3	2.4
17	17.0	29.9	22.8	76.0	0.0	34.5	34.5	5.7
18	17.2	27.2	21.1	81.0	0.0	.7	.7	.9
19	18.5	28.0	21.5	79.7	15.7	6.6	22.3	3.0
20	17.6	28.2	22.2	76.7	0.0	0.0	0.0	4.8
21	17.4	28.4	23.4	74.3	0.0	0.0	0.0	1.7
22	19.4	29.0	23.3	72.0	0.0	0.0	0.0	4.5
23	18.2	28.2	23.3	73.7	0.0	.2	.2	1.6
24	19.2	29.0	23.6	75.0	0.0	.5	.5	2.2
25	18.6	31.2	24.8	71.0	0.0	0.0	0.0	6.1
26	17.2	30.2	22.7	77.0	.2	.7	.9	3.6
27	19.4	27.2	21.5	80.0	0.0	0.0	0.0	.2
28	18.4	27.0	21.8	81.7	1.0	5.8	6.8	1.9
29	18.0	29.0	22.7	73.0	0.0	.1	.1	6.4
30	18.2	30.8	23.4	74.0	0.0	15.3	15.3	5.6
31	18.8	31.0	23.3	73.3	0.0	0.0	0.0	8.4
Total :					18.8	113.7	132.5	124.8
Promedio :	18.0	28.8	22.6	75.4				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	29.4	23.2	71.0	0.0	0.0	0.0	2.4
2	19.0	30.0	24.2	72.0	.1	25.7	25.8	5.6
3	18.0	21.5	19.5	90.3	.3	0.0	.3	0.0
4	15.0	29.0	22.1	72.3	0.0	2.4	2.4	5.9
5	16.6	29.8	22.8	70.7	0.0	5.1	5.1	7.4
6	17.6	31.0	23.2	70.3	0.0	0.0	0.0	8.3
7	19.5	29.0	23.8	76.0	.2	44.6	44.8	3.6
8	18.0	27.0	21.9	80.3	13.4	29.0	42.4	3.0
9	18.2	26.8	20.6	82.7	1.2	0.0	1.2	1.0
10	17.5	27.0	21.0	83.0	1.6	26.7	28.3	1.7
11	18.0	29.0	23.2	73.3	0.0	9.9	9.9	7.2
12	18.5	29.8	23.6	74.0	0.0	19.9	19.9	6.8
13	17.6	28.6	23.0	74.7	.2	0.0	.2	4.3
14	18.8	29.6	23.5	75.3	0.0	17.9	17.9	4.0
15	18.4	29.0	22.2	78.7	1.5	0.0	1.5	5.1
16	18.0	31.2	23.2	73.7	0.0	0.0	0.0	7.4
17	17.8	31.0	23.4	70.7	0.0	0.0	0.0	7.2
18	16.6	29.9	23.0	71.0	0.0	0.0	0.0	6.4
19	16.2	31.6	24.0	69.3	0.0	0.0	0.0	7.0
20	19.0	30.0	23.2	78.3	0.0	0.0	0.0	4.3
21	16.6	30.6	23.7	71.3	0.0	0.0	0.0	7.2
22	17.2	32.4	24.6	72.3	0.0	0.0	0.0	8.1
23	20.0	26.8	23.5	80.0	0.0	11.1	11.1	0.0
24	19.0	25.8	21.3	90.0	3.5	10.0	13.5	2.2
25	17.8	26.4	21.8	78.0	0.0	14.0	14.0	3.3
26	18.0	28.4	21.7	79.3	0.0	1.0	1.0	2.2
27	17.8	25.6	20.2	81.3	1.4	0.0	1.4	1.2
28	16.4	28.6	22.7	74.3	.2	8.8	9.0	3.4
29	19.0	29.2	22.9	77.0	0.0	45.0	45.0	4.8
30	18.0	24.0	20.0	87.7	18.6	0.0	18.6	.8
31								
Total :					42.2	271.1	313.3	131.8
Promedio :	17.9	28.6	22.6	76.6				

Estación : GRANJA LUKER
Año : 1999

Dpto. : CALDAS
Mpio. : PALESTINA

Latitud : 5 ° 5 'N
Longitud : 75 ° 41 'W
Altitud : 1020 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.6	28.2	22.5	70.0	0.0	23.0	23.0	6.1
2	18.6	26.6	22.3	81.3	0.0	0.0	0.0	2.0
3	18.8	29.4	23.4	71.7	0.0	37.2	37.2	5.8
4	17.2	24.2	20.8	84.7	3.4	0.0	3.4	.8
5	17.8	29.0	22.7	73.0	1.4	2.1	3.5	4.5
6	18.0	28.6	23.4	75.0	0.0	14.8	14.8	6.9
7	18.2	28.2	22.7	74.7	0.0	6.1	6.1	5.3
8	17.5	29.2	22.9	74.7	0.0	0.0	0.0	6.7
9	18.6	28.0	21.4	79.3	14.6	23.3	37.9	1.6
10	17.2	29.0	22.2	75.3	0.0	0.0	0.0	6.0
11	17.0	26.8	21.0	82.0	0.0	0.0	0.0	1.6
12	18.0	28.0	23.2	72.0	0.0	55.8	55.8	5.5
13	17.2	26.8	22.0	76.7	0.0	0.0	0.0	3.5
14	19.0	28.4	23.6	76.7	0.0	0.0	0.0	4.6
15	18.0	29.0	23.2	73.3	0.0	0.0	0.0	6.6
16	18.8	31.0	24.5	68.3	0.0	12.9	12.9	8.4
17	18.6	30.6	23.4	71.3	0.0	1.4	1.4	9.9
18	18.2	28.0	23.0	80.3	0.0	.2	.2	2.5
19	18.6	29.0	23.0	77.0	.1	0.0	.1	4.5
20	17.4	28.8	22.6	76.7	0.0	.4	.4	6.5
21	19.0	28.4	23.0	75.7	0.0	17.6	17.6	3.6
22	18.6	28.4	23.4	79.3	0.0	3.7	3.7	4.1
23	19.4	31.0	24.0	76.0	0.0	0.0	0.0	9.1
24	20.0	31.8	24.8	71.3	0.0	0.0	0.0	9.7
25	19.0	30.2	23.9	73.0	0.0	1.1	1.1	5.8
26	18.0	31.8	24.4	70.0	0.0	0.0	0.0	9.4
27	17.8	30.3	24.1	69.3	0.0	0.0	0.0	6.0
28	18.8	28.2	23.0	80.3	.1	2.9	3.0	2.0
29	19.3	28.4	23.6	78.7	0.0	62.5	62.5	2.1
30	18.0	28.1	23.1	77.3	0.0	0.0	0.0	5.4
31	18.1	30.2	23.7	74.7	0.0	.7	.7	6.4
Total :					19.6	265.7	285.3	162.9
Promedio :	18.2	28.8	23.1	75.5				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	29.6	23.4	75.7	0.0	0.0	0.0	5.3
2	20.0	26.8	22.2	84.7	.8	0.0	.8	1.4
3	17.0	30.0	23.1	74.3	0.0	8.7	8.7	5.5
4	19.2	27.0	22.2	81.7	.9	8.6	9.5	1.0
5	17.8	26.8	22.1	78.7	.2	0.0	.2	3.2
6	18.0	28.0	22.6	79.0	0.0	0.0	0.0	2.9
7	18.6	27.0	21.8	80.7	.5	50.5	51.0	2.8
8	17.6	27.4	22.1	78.7	.7	0.0	.7	4.1
9	18.5	31.0	22.9	76.7	.9	1.7	2.6	8.1
10	16.6	30.0	23.2	74.3	0.0	0.0	0.0	7.4
11	19.2	27.8	22.8	81.0	16.1	0.0	16.1	4.6
12	18.2	28.4	22.6	77.3	0.0	0.0	0.0	6.0
13	18.0	26.2	21.2	83.3	.4	0.0	.4	.7
14	17.8	28.2	22.6	76.0	0.0	0.0	0.0	6.3
15	18.0	26.4	22.3	78.7	.6	1.4	2.0	1.0
16	18.6	28.0	21.8	78.7	1.1	0.0	1.1	3.4
17	18.0	29.2	22.5	70.3	0.0	0.0	0.0	6.8
18	19.2	24.4	21.2	80.7	.3	0.0	.3	.2
19	18.0	29.6	23.4	70.0	0.0	1.4	1.4	5.3
20	18.4	28.6	23.4	74.0	0.0	34.0	34.0	5.1
21	18.8	25.0	21.3	82.0	1.0	15.4	16.4	.1
22	18.6	29.0	23.0	76.0	0.0	0.0	0.0	6.4
23	18.8	29.1	22.6	76.0	0.0	0.0	0.0	4.3
24	18.1	29.2	22.6	77.0	0.0	54.9	54.9	2.5
25	17.0	27.4	21.6	78.0	0.0	9.6	9.6	2.6
26	17.6	28.2	21.8	78.0	.1	7.3	7.4	5.3
27	17.9	27.2	21.4	78.7	2.0	3.7	5.7	2.0
28	17.2	25.0	20.9	82.7	.8	0.0	.8	.8
29	16.0	27.6	22.0	78.0	0.0	0.0	0.0	5.1
30	17.4	30.0	23.2	71.7	0.0	1.4	1.4	9.8
31								
Total :					26.4	198.6	225.0	120.0
Promedio :	18.1	27.9	22.3	77.8				

Estación : GRANJA LUKER
Año : 1999

Dpto. : CALDAS
Mpio. : PALESTINA

Latitud : 5 ° 5 'N
Longitud : 75 ° 41 'W
Altitud : 1020 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	28.6	23.2	70.7	0.0	0.0	0.0	5.3
2	18.4	29.0	23.3	73.3	0.0	50.9	50.9	6.2
3	18.0	27.0	21.3	81.0	4.4	3.8	8.2	4.7
4	17.8	29.8	22.8	76.0	0.0	0.0	0.0	6.6
5	17.0	29.8	21.9	76.0	0.0	0.0	0.0	7.7
6	17.2	29.0	22.1	78.0	4.0	11.3	15.3	5.9
7	17.6	28.4	21.9	78.0	0.0	26.1	26.1	4.4
8	17.2	28.6	22.5	76.7	0.0	1.0	1.0	4.6
9	17.8	29.3	22.3	76.0	.5	2.2	2.7	6.1
10	17.4	30.8	23.1	71.3	0.0	0.0	0.0	9.0
11	18.2	30.6	23.6	73.7	0.0	6.4	6.4	8.2
12	19.2	28.8	23.0	80.0	0.0	1.1	1.1	5.7
13	18.2	31.2	24.0	73.3	0.0	0.0	0.0	9.2
14	17.2	32.6	23.8	72.3	0.0	0.0	0.0	8.8
15	17.5	31.2	23.8	70.0	0.0	22.4	22.4	9.6
16	18.2	29.0	23.2	77.7	0.0	0.0	0.0	5.6
17	16.6	29.2	23.4	71.3	0.0	13.8	13.8	6.2
18	17.8	29.5	23.1	76.0	0.0	0.0	0.0	6.4
19	18.6	30.2	23.9	69.0	0.0	2.9	2.9	7.8
20	18.0	29.0	22.6	76.7	0.0	36.3	36.3	8.3
21	17.0	30.2	23.2	75.7	0.0	0.0	0.0	9.1
22	16.8	31.0	22.6	76.0	0.0	1.3	1.3	6.5
23	18.8	30.0	22.6	78.3	3.4	.5	3.9	6.4
24	17.8	29.2	23.1	76.3	0.0	0.0	0.0	6.3
25	18.4	31.8	24.4	71.3	0.0	0.0	0.0	8.8
26	19.2	30.0	23.2	77.3	8.5	11.4	19.9	4.8
27	18.6	30.2	23.6	75.0	0.0	8.2	8.2	6.7
28	18.6	29.2	23.5	76.3	0.0	.8	.8	6.7
29	19.0	28.0	22.9	74.3	1.2	0.0	1.2	2.6
30	16.8	31.0	23.3	73.3	0.0	1.4	1.4	8.7
31	19.0	30.5	21.8	80.3	.7	0.0	.7	5.1
Total :					22.7	201.8	224.5	208.0
Promedio :	17.9	29.8	23.0	75.2				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.2	29.8	23.2	73.0	0.0	0.0	0.0	6.6
2	18.8	28.8	23.1	75.0	0.0	2.6	2.6	5.5
3	18.9	27.0	22.5	78.7	0.0	0.0	0.0	3.6
4	18.0	29.2	23.0	73.3	0.0	2.7	2.7	5.2
5	18.6	30.6	23.2	74.0	0.0	0.0	0.0	8.8
6	19.0	30.0	23.8	75.3	0.0	26.2	26.2	8.0
7	17.0	27.4	20.8	81.3	0.0	1.2	1.2	3.8
8	18.4	29.0	23.4	74.7	0.0	.5	.5	6.3
9	18.6	28.0	22.9	79.0	0.0	0.0	0.0	2.9
10	16.0	31.0	23.6	75.0	0.0	0.0	0.0	7.3
11	17.8	30.0	23.9	71.7	0.0	0.0	0.0	6.8
12	18.0	30.2	22.5	80.3	.1	1.2	1.3	4.9
13	19.0	29.0	22.1	79.0	1.9	2.7	4.6	3.7
14	18.0	29.0	22.9	75.3	0.0	29.1	29.1	6.1
15	17.0	27.0	21.7	80.0	0.0	0.0	0.0	1.9
16	17.6	30.6	22.7	71.0	0.0	4.3	4.3	8.6
17	17.8	28.8	23.3	74.0	0.0	0.0	0.0	5.7
18	18.0	28.0	22.2	76.7	0.0	0.0	0.0	3.6
19	18.5	28.4	23.3	75.7	0.0	0.0	0.0	2.4
20	17.0	30.8	24.2	70.0	0.0	14.3	14.3	8.2
21	17.4	24.5	19.8	83.3	2.2	0.0	2.2	.1
22	16.4	27.6	22.5	76.7	0.0	0.0	0.0	4.3
23	15.2	28.0	21.5	84.0	1.6	0.0	1.6	5.2
24	16.5	26.8	20.2	82.7	0.0	0.0	0.0	3.5
25	16.0	25.5	20.8	82.3	0.0	1.3	1.3	.1
26	17.6	28.4	22.6	69.7	.2	.5	.7	4.3
27	18.6	28.4	22.6	75.3	.9	1.9	2.8	3.4
28	18.8	25.5	21.4	85.7	8.0	0.0	8.0	1.4
29	18.0	30.6	24.0	74.7	0.0	.9	.9	7.6
30	18.2	30.0	22.7	76.0	0.0	0.0	0.0	3.8
31	17.4	30.5	23.2	73.7	0.0	2.3	2.3	5.7
Total :					14.9	91.7	106.6	149.3
Promedio :	17.7	28.7	22.6	76.7				

Estación : GRANJA LUKER
Año : 1999

Dpto. : CALDAS
Mpio. : PALESTINA

Latitud : 5 ° 5 'N
Longitud : 75 ° 41 'W
Altitud : 1020 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.0	30.0	21.5	79.3	31.7	7.0	38.7	5.4
2	18.2	28.2	22.4	82.0	4.3	14.3	18.6	4.0
3	18.8	28.0	21.7	78.0	0.0	0.0	0.0	3.5
4	18.0	28.4	22.1	78.0	0.0	0.0	0.0	3.0
5	17.4	25.0	20.2	83.3	.2	0.0	.2	.8
6	17.0	29.0	22.8	72.3	0.0	0.0	0.0	5.8
7	16.4	29.1	22.4	76.7	0.0	36.1	36.1	3.9
8	18.2	28.0	22.2	74.7	0.0	0.0	0.0	3.0
9	18.0	28.5	23.1	75.3	0.0	49.0	49.0	3.4
10	17.8	26.8	21.6	78.0	0.0	0.0	0.0	1.6
11	18.5	27.5	22.0	78.7	.3	14.7	15.0	2.0
12	18.0	26.4	21.0	86.3	10.0	4.5	14.5	1.5
13	16.6	29.0	20.9	80.7	1.0	18.1	19.1	4.5
14	16.8	25.0	20.0	81.7	0.0	0.0	0.0	.8
15	18.0	29.6	22.0	77.3	0.0	0.0	0.0	5.6
16	17.4	31.0	22.2	75.3	0.0	34.4	34.4	6.1
17	18.2	27.0	22.1	74.7	.3	0.0	.3	1.5
18	16.6	30.0	23.4	72.7	0.0	.3	.3	8.4
19	18.0	29.6	23.2	74.7	0.0	11.7	11.7	4.8
20	19.2	29.5	22.7	74.3	0.0	0.0	0.0	5.3
21	17.0	30.0	22.6	74.7	0.0	27.1	27.1	5.4
22	17.8	27.0	21.9	79.0	0.0	0.0	0.0	2.8
23	18.2	28.5	21.2	80.0	1.6	0.0	1.6	3.9
24	17.2	29.5	22.3	75.7	0.0	.9	.9	6.7
25	18.8	28.0	21.9	78.7	.9	11.0	11.9	2.7
26	18.0	27.5	21.9	76.0	1.3	8.4	9.7	4.1
27	18.2	27.2	20.8	79.7	.3	14.1	14.4	3.3
28	17.0	26.2	21.5	76.0	0.0	1.5	1.5	.8
29	17.8	27.0	21.6	75.7	0.0	0.0	0.0	.3
30	17.6	29.4	21.9	76.7	.1	7.2	7.3	5.4
31								
Total :					52.0	260.3	312.3	110.3
Promedio :	17.8	28.2	21.9	77.5				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.2	25.0	20.6	81.7	.4	0.0	.4	.1
2	17.6	27.9	21.1	83.3	0.0	0.0	0.0	2.3
3	18.0	30.2	23.6	68.0	0.0	.6	.6	6.6
4	18.6	27.5	22.1	78.7	.1	0.0	.1	2.3
5	17.4	28.0	21.2	77.7	0.0	81.2	81.2	2.8
6	16.2	26.0	19.7	81.0	8.9	0.0	8.9	.8
7	17.2	28.5	21.2	77.7	0.0	0.0	0.0	4.1
8	16.2	29.8	21.8	76.0	0.0	25.0	25.0	6.9
9	18.2	28.0	22.4	77.3	0.0	111.2	111.2	3.2
10	18.4	27.8	22.4	77.7	0.0	1.2	1.2	1.3
11	17.8	29.0	22.0	75.0	0.0	0.0	0.0	5.5
12	18.6	30.0	22.7	73.7	0.0	2.1	2.1	6.1
13	18.0	28.6	22.8	74.7	0.0	2.0	2.0	6.1
14	19.2	30.2	23.2	78.0	0.0	.9	.9	5.0
15	19.0	28.5	23.0	77.3	0.0	9.7	9.7	5.2
16	17.6	27.0	21.0	80.0	.6	28.5	29.1	2.2
17	18.0	25.0	19.4	92.0	4.2	0.0	4.2	.6
18	15.0	30.1	21.8	76.0	3.1	9.9	13.0	7.1
19	18.6	30.0	22.6	76.0	0.0	.3	.3	7.6
20	18.1	28.2	22.2	78.0	0.0	0.0	0.0	1.5
21	18.0	29.5	22.8	76.0	.8	2.7	3.5	3.3
22	18.6	28.0	22.0	78.3	1.5	12.6	14.1	2.1
23	18.0	27.5	22.5	76.7	.8	0.0	.8	1.7
24	19.2	29.0	21.8	78.7	17.6	12.1	29.7	4.7
25	18.2	26.4	22.0	79.7	0.0	0.0	0.0	1.7
26	18.0	27.8	22.8	75.7	0.0	22.8	22.8	3.7
27	17.6	28.0	21.6	79.0	.4	9.0	9.4	5.6
28	18.0	27.8	21.4	79.3	6.8	3.6	10.4	3.6
29	16.5	29.4	23.0	73.0	0.0	2.8	2.8	7.6
30	18.8	26.0	21.6	84.0	.7	0.0	.7	1.7
31	17.6	28.5	22.7	77.0	0.0	0.0	0.0	4.3
Total :					45.9	338.2	384.1	117.3
Promedio :	17.9	28.2	22.0	78.0				

Estación : GRANJA LUKER
Año : 1999

Dpto. : CALDAS
Mpio. : PALESTINA

Latitud : 5 ° 5 'N
Longitud : 75 ° 41 'W
Altitud : 1020 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.0	30.1	23.1	74.3	0.0	0.0	0.0	4.8
2	18.0	30.0	23.6	73.0	9.5	52.2	61.7	5.3
3	18.8	29.0	23.3	77.0	0.0	0.0	0.0	4.4
4	19.2	29.4	23.0	78.7	0.0	2.6	2.6	5.4
5	18.0	30.4	23.2	74.7	0.0	1.4	1.4	7.9
6	19.6	30.0	21.8	82.7	21.0	8.0	29.0	4.8
7	19.0	27.4	22.2	80.7	.5	2.4	2.9	4.9
8	19.0	27.5	22.3	78.0	0.0	0.0	0.0	2.5
9	19.1	29.5	22.9	75.7	0.0	21.7	21.7	7.4
10	19.2	31.0	23.8	76.3	0.0	48.9	48.9	7.1
11	17.6	27.5	21.9	82.0	0.0	0.0	0.0	1.0
12	18.2	28.6	23.4	73.3	0.0	82.3	82.3	5.4
13	18.3	28.0	22.4	80.3	2.3	0.0	2.3	7.5
14	18.0	30.6	23.1	75.3	0.0	0.0	0.0	9.7
15	19.0	25.5	21.4	78.0	0.0	0.0	0.0	1.0
16	16.8	30.0	23.2	72.7	0.0	0.0	0.0	9.4
17	17.0	30.0	22.6	75.3	0.0	8.6	8.6	7.7
18	19.0	26.0	22.3	80.3	0.0	4.1	4.1	.6
19	18.6	26.5	22.2	79.7	0.0	0.0	0.0	1.0
20	19.0	26.2	22.2	79.3	0.0	6.5	6.5	2.7
21	18.2	27.0	21.6	78.7	2.3	2.6	4.9	2.2
22	18.0	25.0	21.3	80.0	0.0	0.0	0.0	1.0
23	17.8	29.0	22.0	76.0	.5	12.0	12.5	6.7
24	18.2	27.6	22.0	78.0	0.0	10.3	10.3	4.2
25	18.0	28.0	21.4	78.7	1.9	0.0	1.9	5.6
26	17.2	29.0	22.2	74.7	0.0	0.0	0.0	8.5
27	17.4	30.2	22.8	72.7	0.0	9.2	9.2	8.3
28	19.0	29.6	22.9	76.0	0.0	0.0	0.0	4.5
29	17.6	29.5	22.8	74.0	0.0	7.2	7.2	6.7
30	17.6	28.0	21.4	79.3	14.3	.3	14.6	4.0
31								
Total :					52.3	280.3	332.6	152.2
Promedio :	18.3	28.5	22.5	77.2				

Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	22.2	19.8	89.0	23.2	0.0	23.2	0.0
2	16.8	28.0	22.0	78.0	0.0	0.0	0.0	3.9
3	19.0	26.6	22.4	78.0	0.0	2.1	2.1	1.5
4	18.5	29.0	22.6	80.0	.6	46.1	46.7	3.7
5	18.0	27.0	21.6	80.0	2.6	0.0	2.6	3.3
6	19.0	28.5	21.5	79.3	3.4	4.3	7.7	4.6
7	18.2	29.0	22.4	77.0	0.0	0.0	0.0	6.1
8	18.0	30.0	23.2	75.0	0.0	3.4	3.4	6.5
9	19.2	31.8	24.0	75.3	0.0	32.9	32.9	6.7
10	19.0	27.0	22.4	82.0	0.0	0.0	0.0	1.0
11	17.8	29.0	22.5	77.0	0.0	1.9	1.9	5.5
12	19.0	27.5	21.6	82.0	29.5	26.0	55.5	3.1
13	18.0	28.0	21.8	77.3	0.0	32.3	32.3	3.7
14	17.0	28.5	22.8	75.3	0.0	3.8	3.8	7.6
15	18.8	28.0	23.2	74.0	0.0	52.2	52.2	4.4
16	18.0	29.5	22.6	78.0	3.4	7.2	10.6	6.5
17	18.1	29.0	23.0	74.0	0.0	34.2	34.2	5.0
18	18.8	29.4	23.6	75.3	0.0	9.0	9.0	8.2
19	19.0	30.5	23.3	76.0	0.0	23.0	23.0	5.6
20	19.8	29.5	23.4	77.0	0.0	2.7	2.7	4.3
21	19.0	29.2	24.1	73.3	0.0	.7	.7	6.2
22	20.0	27.0	22.5	78.3	0.0	0.0	0.0	2.6
23	19.6	29.0	23.2	74.7	0.0	8.7	8.7	7.2
24	18.8	26.0	21.7	78.7	.9	4.5	5.4	.8
25	17.8	28.0	21.6	77.3	0.0	0.0	0.0	2.8
26	15.0	29.0	21.5	75.3	0.0	0.0	0.0	7.3
27	17.0	30.0	22.0	73.3	0.0	0.0	0.0	7.2
28	16.4	29.4	21.8	73.0	0.0	0.0	0.0	8.6
29	16.0	29.0	21.6	74.3	0.0	0.0	0.0	8.5
30	15.0	30.6	21.9	70.0	0.0	.7	.7	8.4
31	18.0	30.8	23.4	74.3	0.0	9.2	9.2	8.9
Total :					63.6	304.9	368.5	159.7
Promedio :	18.1	28.6	22.4	76.8				

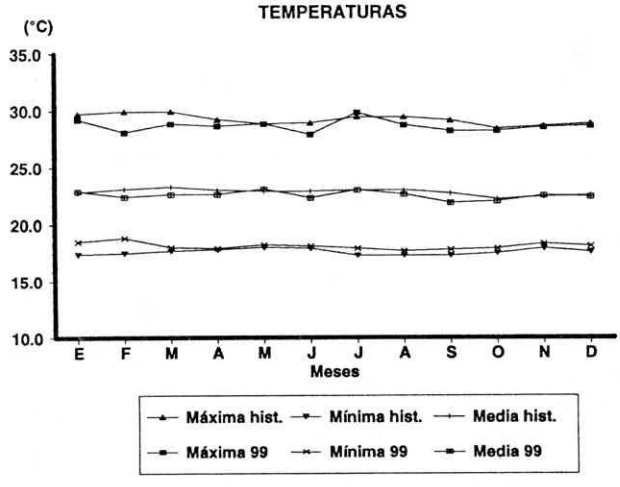
Estación : GRANJA LUKER
Año : 1999

Dpto. : CALDAS
Mpio. : PALESTINA

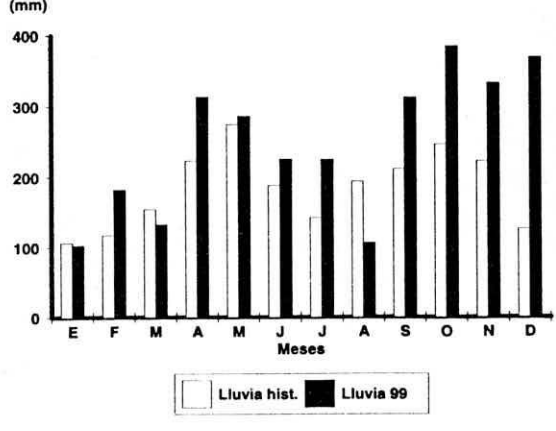
Latitud : 5 ° 5 'N
Longitud : 75 ° 41 'W
Altitud : 1020 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	18.5	29.2	22.9	31.9	16.2	75.8	102.6	22	146.4
Febrero	18.8	28.1	22.4	31.8	17.6	78.6	182.1	19	77.7
Marzo	18.0	28.8	22.6	31.9	16.0	75.4	132.5	17	124.8
Abril	17.9	28.6	22.6	32.4	15.0	76.6	313.3	21	131.8
Mayo	18.2	28.8	23.1	31.8	15.6	75.5	285.3	19	162.9
Junio	18.1	27.9	22.3	31.0	16.0	77.8	225.0	21	120.0
Julio	17.9	29.8	23.0	32.6	16.6	75.2	224.5	20	208.0
Agosto	17.7	28.7	22.6	31.0	15.2	76.7	106.6	18	149.3
Septiembre	17.8	28.2	21.9	31.0	16.4	77.5	312.3	20	110.3
Octubre	17.9	28.2	22.0	30.2	15.0	78.0	384.1	25	117.3
Noviembre	18.3	28.5	22.5	31.0	16.8	77.2	332.6	19	152.2
Diciembre	18.1	28.6	22.4	31.8	15.0	76.8	368.5	22	159.7
Promedio :	18.1	28.6	22.5			76.8			
Absoluta :				32.6	15.0				
Total :							2969.4	243	1660.4

TEMPERATURAS



LLUVIA



Estación : EL ALGARROBO
Año : 1999

Dpto. : CALDAS
Mpio. : MANIZALES

Latitud : 5 ° 4 'N
Longitud : 75 ° 25 'W
Altitud : 1230 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.8	28.9	22.7	70.3	.4	4.2	4.6	4.8
2	18.6	28.2	21.5	75.7	2.9	.4	3.3	4.8
3	16.6	26.9	20.6	76.7	.7	0.0	.7	4.5
4	18.0	28.0	21.7	74.3	1.5	.8	2.3	8.2
5	18.2	25.4	20.4	76.0	.1	0.0	.1	3.8
6	17.8	28.4	20.9	67.7	0.0	0.0	0.0	3.9
7	16.1	29.8	22.0	68.7	0.0	5.0	5.0	8.0
8	18.1	26.7	21.5	74.3	.1	.5	.6	2.2
9	17.1	27.0	20.7	78.0	0.0	12.2	12.2	1.3
10	17.2	26.8	19.7	82.0	5.7	2.3	8.0	3.0
11	17.0	24.8	20.0	75.0	.1	0.0	.1	.3
12	15.0	25.0	20.0	75.7	0.0	0.0	0.0	1.0
13	16.0	28.4	20.9	70.0	0.0	.9	.9	7.8
14	16.4	26.2	20.9	72.7	6.8	4.1	10.9	.8
15	16.8	28.0	20.6	64.7	0.0	0.0	0.0	8.5
16	16.1	23.2	20.0	78.0	0.0	0.0	0.0	.9
17	14.2	28.1	21.0	67.0	0.0	0.0	0.0	9.6
18	16.2	27.6	21.2	68.0	0.0	0.0	0.0	5.6
19	16.0	28.0	21.8	72.0	0.0	26.0	26.0	5.6
20	18.0	26.1	20.8	73.0	0.0	0.0	0.0	2.6
21	15.6	30.0	21.8	66.0	0.0	0.0	0.0	7.1
22	17.0	27.9	21.0	74.0	0.0	0.0	0.0	3.8
23	17.1	29.8	22.2	68.7	0.0	.9	.9	5.0
24	18.8	25.6	21.0	78.3	5.6	4.3	9.9	.3
25	18.4	26.8	21.1	78.7	0.0	0.0	0.0	1.5
26	17.8	29.0	22.4	66.3	0.0	.5	.5	6.6
27	18.9	28.0	21.5	76.3	5.5	9.8	15.3	4.4
28	18.0	24.1	20.4	77.3	2.1	0.0	2.1	.1
29	16.9	29.5	22.4	70.7	0.0	0.0	0.0	7.3
30	18.0	30.8	23.1	66.0	0.0	0.0	0.0	9.1
31	18.9	29.8	22.2	72.7	0.0	0.0	0.0	4.0
Total :					31.5	71.9	103.4	136.4
Promedio :	17.2	27.5	21.2	72.7				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.8	26.5	21.6	74.0	0.0	4.9	4.9	2.1
2	17.5	26.2	20.5	73.0	2.0	0.0	2.0	4.0
3	16.3	27.8	20.8	73.3	0.0	2.5	2.5	4.6
4	16.9	25.6	20.6	75.7	.2	0.0	.2	1.2
5	16.0	26.0	20.6	77.3	0.0	34.0	34.0	.8
6	16.2	24.1	19.7	79.0	0.0	35.0	35.0	1.0
7	16.0	25.8	20.2	77.3	0.0	0.0	0.0	1.3
8	16.0	30.3	21.2	69.0	.9	17.1	18.0	8.2
9	17.5	30.1	23.0	65.7	0.0	8.7	8.7	7.0
10	18.0	22.0	19.0	91.3	.1	0.0	.1	0.0
11	15.3	30.8	21.7	69.0	0.0	6.0	6.0	6.7
12	17.0	26.8	20.8	73.0	0.0	0.0	0.0	1.9
13	16.9	25.5	20.5	76.3	.2	0.0	.2	.2
14	16.5	25.7	19.6	79.3	0.0	4.0	4.0	1.3
15	17.0	23.8	18.9	86.0	.7	0.0	.7	.2
16	16.5	26.6	20.2	74.0	0.0	2.2	2.2	2.3
17	15.8	22.5	18.0	82.7	17.0	0.0	17.0	0.0
18	16.0	27.0	19.4	75.3	19.3	0.0	19.3	3.6
19	15.3	28.0	20.1	72.3	.4	16.5	16.9	4.9
20	16.2	24.0	19.7	78.7	.6	0.0	.6	1.3
21	16.0	27.5	20.0	74.3	32.0	0.0	32.0	3.1
22	16.0	26.2	20.0	70.7	0.0	.2	.2	1.9
23	17.8	25.0	20.1	75.3	.4	5.8	6.2	1.4
24	17.4	26.3	20.6	73.3	0.0	13.8	13.8	2.0
25	16.2	28.0	20.7	73.7	0.0	0.0	0.0	3.0
26	18.0	29.2	24.1	60.7	1.0	18.1	19.1	6.4
27	16.9	25.3	22.0	70.0	1.2	1.8	3.0	2.6
28	17.6	24.1	20.9	74.0	2.0	15.0	17.0	1.2
29								
30								
31								
Total :					78.0	185.6	263.6	74.2
Promedio :	16.7	26.3	20.5	74.8				

Estación : EL ALGARROBO
Año : 1999

Dpto. : CALDAS
Mpio. : MANIZALES

Latitud : 5 ° 4 'N
Longitud : 75 ° 25 'W
Altitud : 1230 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.5	24.1	19.0	79.0	.2	0.0	.2	1.1
2	15.7	26.3	20.3	75.0	0.0	0.0	0.0	8.1
3	16.9	28.2	21.4	70.3	0.0	0.0	0.0	3.4
4	17.5	25.0	20.2	76.7	.1	.2	.3	1.0
5	16.5	30.0	21.8	67.3	0.0	0.0	0.0	8.0
6	16.4	30.5	21.8	67.0	0.0	0.0	0.0	7.5
7	15.0	29.0	20.8	71.7	0.0	0.0	0.0	4.7
8	15.1	29.5	21.4	62.3	0.0	0.0	0.0	7.2
9	18.0	26.7	20.6	76.0	5.1	0.0	5.1	1.6
10	16.0	28.8	20.8	72.3	0.0	3.4	3.4	5.4
11	15.9	28.9	21.3	71.0	0.0	0.0	0.0	3.6
12	15.6	29.9	21.8	70.3	0.0	31.4	31.4	4.1
13	15.8	26.9	19.2	83.7	0.0	0.0	0.0	2.7
14	14.8	28.3	21.6	68.0	.1	19.4	19.5	4.2
15	18.0	26.2	20.3	78.0	.4	0.0	.4	1.5
16	17.5	26.0	20.3	78.3	0.0	19.1	19.1	2.4
17	16.3	29.1	20.7	73.0	0.0	24.7	24.7	6.3
18	17.0	27.2	21.2	75.0	.1	8.7	8.8	3.6
19	16.8	26.0	19.7	78.7	23.7	.8	24.5	2.1
20	15.1	27.8	19.8	76.7	0.0	0.0	0.0	3.8
21	15.9	27.2	21.5	68.0	0.0	0.0	0.0	3.3
22	16.7	27.3	21.6	69.7	0.0	.3	.3	3.6
23	17.9	25.6	21.3	73.0	0.0	0.0	0.0	.7
24	17.0	26.0	21.1	70.3	0.0	0.0	0.0	.2
25	17.0	31.1	23.2	65.7	0.0	0.0	0.0	6.1
26	16.0	29.1	22.1	71.3	0.0	0.0	0.0	4.3
27	17.0	26.5	21.0	75.3	3.3	0.0	3.3	.2
28	17.1	25.4	21.0	77.7	2.0	6.5	8.5	.7
29	17.2	28.0	21.2	74.7	.1	5.1	5.2	4.9
30	17.3	29.8	22.3	69.7	0.0	.7	.7	5.7
31	17.9	29.6	21.8	66.0	0.0	0.0	0.0	6.0
Total :					35.1	120.3	155.4	118.0
Promedio :	16.6	27.7	21.0	72.6				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.5	29.0	21.7	73.3	0.0	1.1	1.1	2.2
2	17.0	29.2	23.0	67.7	.1	19.8	19.9	5.4
3	16.7	21.7	18.2	88.3	.2	0.0	.2	1.4
4	13.8	28.2	21.4	68.0	1.1	7.7	8.8	4.3
5	15.2	29.4	21.0	71.3	0.0	12.5	12.5	7.1
6	16.1	30.3	21.7	69.3	0.0	0.0	0.0	9.9
7	18.0	29.0	22.3	71.0	0.0	4.0	4.0	4.1
8	17.8	25.5	20.7	75.0	6.0	44.0	50.0	2.8
9	17.0	25.0	19.8	82.0	.5	.1	.6	1.0
10	16.0	25.9	19.8	81.0	4.5	35.3	39.8	.6
11	16.5	25.0	21.2	73.7	0.0	1.7	1.7	5.1
12	18.0	28.6	21.4	71.3	3.6	4.7	8.3	4.1
13	17.7	25.9	20.5	81.7	.1	0.0	.1	2.5
14	17.0	27.8	22.0	74.3	.4	9.6	10.0	3.4
15	17.3	26.8	21.0	78.7	.6	0.0	.6	2.5
16	16.0	30.5	23.0	66.7	0.0	0.0	0.0	8.1
17	16.3	31.0	22.2	68.0	0.0	0.0	0.0	9.0
18	14.8	29.2	21.6	66.3	0.0	0.0	0.0	6.1
19	14.2	30.2	21.6	66.0	0.0	0.0	0.0	5.5
20	17.8	29.1	21.3	72.3	0.0	0.0	0.0	4.5
21	15.6	29.5	21.7	68.3	0.0	0.0	0.0	5.1
22	15.8	30.7	22.3	66.0	0.0	.3	.3	7.2
23	18.1	26.2	22.2	73.3	0.0	1.9	1.9	0.0
24	18.0	24.2	20.2	83.7	2.6	9.2	11.8	1.7
25	16.4	24.3	20.5	82.0	.1	8.7	8.8	.8
26	17.0	26.9	21.2	72.7	.2	2.2	2.4	1.8
27	16.2	23.9	19.1	81.3	2.9	.8	3.7	1.0
28	16.1	26.2	20.7	75.7	2.4	.4	2.8	2.6
29	16.3	26.6	20.8	74.3	0.0	54.3	54.3	4.7
30	16.2	24.5	18.5	88.0	28.4	0.0	28.4	.1
31								
Total :					53.7	218.3	272.0	114.6
Promedio :	16.5	27.3	21.1	74.4				

Estación : EL ALGARROBO
Año : 1999

Dpto. : CALDAS
Mpio. : MANIZALES

Latitud : 5 ° 4 'N
Longitud : 75 ° 25 'W
Altitud : 1230 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.0	27.1	20.4	72.0	.2	0.0	.2	5.5
2	17.0	24.7	20.5	83.3	.4	0.0	.4	.6
3	17.1	29.5	21.3	67.0	0.0	6.3	6.3	4.7
4	17.0	23.7	19.9	82.3	0.0	0.0	0.0	.5
5	16.0	28.2	21.2	71.7	.2	7.9	8.1	5.1
6	17.2	26.2	21.2	70.7	0.0	49.3	49.3	5.0
7	16.8	26.0	21.3	73.7	.1	55.1	55.2	4.4
8	15.6	27.1	20.8	72.7	0.0	0.0	0.0	5.3
9	16.2	25.9	20.0	78.3	2.0	37.0	39.0	.9
10	16.0	27.0	19.5	74.0	0.0	0.0	0.0	6.7
11	15.8	25.1	18.6	81.3	36.9	.5	37.4	1.7
12	16.0	27.7	21.4	69.0	0.0	25.5	25.5	5.7
13	15.8	26.7	20.4	77.0	0.0	3.2	3.2	1.8
14	16.9	27.5	21.3	71.7	.3	0.0	.3	3.2
15	16.5	28.8	21.6	69.3	.1	0.0	.1	5.1
16	17.6	30.4	23.0	64.7	0.0	0.0	0.0	9.4
17	18.0	30.2	22.2	66.3	0.0	0.0	0.0	8.8
18	17.3	27.2	22.2	69.7	0.0	34.4	34.4	2.0
19	17.4	27.0	20.8	75.7	2.0	0.0	2.0	2.8
20	15.0	28.0	21.4	74.3	0.0	4.1	4.1	7.0
21	17.2	27.3	21.5	74.7	0.0	.3	.3	2.7
22	18.0	27.4	21.9	76.0	.7	.1	.8	3.7
23	18.1	31.0	23.2	70.0	0.0	0.0	0.0	7.8
24	17.9	30.9	23.4	66.7	0.0	0.0	0.0	9.0
25	17.8	29.1	22.6	70.3	0.0	3.4	3.4	5.8
26	18.0	31.0	22.6	73.0	0.0	0.0	0.0	9.7
27	16.8	30.3	23.0	65.0	0.0	0.0	0.0	6.5
28	17.9	28.0	22.2	73.3	.2	0.0	.2	3.4
29	18.2	26.8	21.8	76.3	.9	83.5	84.4	1.4
30	16.7	27.4	21.1	75.0	0.0	0.0	0.0	2.4
31	16.5	29.3	22.4	70.0	0.0	1.6	1.6	6.6
Total :					44.0	312.2	356.2	145.2
Promedio :	16.8	27.8	21.4	72.7				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	29.0	22.2	72.3	0.0	0.0	0.0	4.9
2	19.8	25.6	21.6	78.3	.5	0.0	.5	.4
3	16.2	30.2	22.2	68.0	0.0	0.0	0.0	7.2
4	18.0	26.7	21.1	77.7	.7	5.1	5.8	1.0
5	17.7	24.9	20.7	85.3	1.4	0.0	1.4	1.9
6	17.0	26.0	21.4	74.3	0.0	0.0	0.0	2.2
7	17.9	26.4	21.1	78.0	2.4	9.1	11.5	1.6
8	17.7	27.1	21.2	77.0	3.2	0.0	3.2	3.1
9	17.5	29.2	21.6	73.7	3.3	.1	3.4	5.1
10	17.3	30.0	22.8	67.7	0.0	.6	.6	7.2
11	18.5	26.8	21.9	75.3	14.0	0.0	14.0	4.0
12	16.7	28.1	21.5	74.3	0.0	.2	.2	5.1
13	17.9	25.7	20.5	80.7	.5	1.0	1.5	.9
14	17.2	27.2	20.9	75.0	3.4	.5	3.9	3.9
15	17.0	27.0	21.0	78.0	.2	.5	.7	1.8
16	17.8	26.9	20.6	77.7	15.4	0.0	15.4	1.2
17	16.0	29.3	21.4	67.0	0.0	.3	.3	6.7
18	17.5	23.0	19.3	88.7	3.2	0.0	3.2	.1
19	16.6	28.4	21.0	73.0	.1	0.0	.1	4.5
20	16.5	28.2	22.2	71.3	0.0	2.7	2.7	3.8
21	18.3	24.8	21.1	81.7	.9	.1	1.0	.4
22	18.5	28.2	22.1	74.0	0.0	0.0	0.0	4.5
23	16.8	26.9	21.0	68.3	0.0	0.0	0.0	3.1
24	16.9	27.8	21.2	71.0	0.0	15.0	15.0	2.2
25	17.1	26.9	21.0	69.3	0.0	.3	.3	2.3
26	17.8	27.0	20.6	74.7	5.1	22.1	27.2	2.7
27	16.9	27.2	20.8	69.3	.3	16.7	17.0	4.0
28	16.5	24.0	19.4	79.0	1.7	0.0	1.7	.1
29	14.0	28.0	20.8	72.7	0.0	.4	.4	4.5
30	15.3	30.1	22.1	65.3	0.0	3.4	3.4	9.2
31								
Total :					56.3	78.1	134.4	99.6
Promedio :	17.2	27.2	21.2	74.6				

Estación : EL ALGARROBO
Año : 1999

Dpto. : CALDAS
Mpio. : MANIZALES

Latitud : 5 ° 4 'N
Longitud : 75 ° 25 'W
Altitud : 1230 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	28.0	21.8	69.0	0.0	13.5	13.5	4.6
2	18.6	28.5	21.8	69.3	0.0	11.5	11.5	4.5
3	17.2	26.4	20.6	76.7	.2	0.0	.2	2.2
4	17.6	28.2	22.1	69.3	.4	.1	.5	5.0
5	16.7	29.0	21.6	68.3	0.0	0.0	0.0	6.4
6	16.9	28.0	22.2	69.7	0.0	7.1	7.1	4.0
7	18.0	27.1	21.6	72.7	0.0	.5	.5	3.4
8	17.9	27.2	21.1	68.0	.5	.6	1.1	2.9
9	15.9	28.5	20.8	72.0	8.6	0.0	8.6	4.9
10	16.8	30.7	21.8	66.7	0.0	0.0	0.0	10.0
11	16.4	30.1	22.4	66.7	0.0	.2	.2	6.7
12	18.0	29.0	22.0	72.7	0.0	.1	.1	4.9
13	17.0	31.0	22.7	63.7	0.0	0.0	0.0	9.4
14	16.3	31.8	22.2	69.3	0.0	0.0	0.0	8.5
15	16.2	31.2	22.4	63.7	0.0	7.8	7.8	8.8
16	17.7	28.2	21.6	69.3	0.0	0.0	0.0	5.1
17	15.5	29.5	22.7	62.7	0.0	2.8	2.8	6.6
18	17.0	29.3	22.2	67.3	0.0	0.0	0.0	6.2
19	17.9	29.8	21.8	70.0	0.0	4.2	4.2	7.5
20	18.0	29.2	21.7	70.7	0.0	2.1	2.1	6.1
21	17.8	31.0	22.6	66.7	0.0	0.0	0.0	8.6
22	16.2	30.0	21.6	68.7	0.0	.1	.1	6.6
23	17.2	29.0	21.1	72.3	2.7	0.0	2.7	4.8
24	16.0	29.1	22.8	67.7	0.0	0.0	0.0	6.8
25	16.8	32.7	24.2	60.7	0.0	0.0	0.0	7.9
26	17.8	29.1	22.6	66.0	0.0	0.0	0.0	4.3
27	18.9	30.2	22.8	65.7	0.0	9.3	9.3	5.1
28	17.9	29.1	22.3	68.7	0.0	0.0	0.0	4.9
29	19.0	28.0	22.5	74.0	.6	0.0	.6	1.7
30	16.0	31.0	23.5	63.7	0.0	1.0	1.0	7.6
31	18.2	30.0	21.7	70.7	9.0	0.0	9.0	4.8
Total :					22.0	60.9	82.9	180.8
Promedio :	17.3	29.4	22.1	68.5				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.8	31.0	22.7	69.0	0.0	0.0	0.0	6.6
2	18.2	27.8	22.0	67.7	0.0	10.4	10.4	3.2
3	18.5	26.6	21.4	71.7	0.0	0.0	0.0	3.3
4	18.0	28.6	21.2	71.3	0.0	0.0	0.0	3.9
5	17.9	30.0	22.3	66.3	0.0	0.0	0.0	4.9
6	17.7	29.1	22.9	67.0	0.0	19.2	19.2	6.2
7	16.8	27.0	20.8	73.0	0.0	3.0	3.0	4.1
8	17.3	30.0	22.1	67.7	0.0	3.0	3.0	4.4
9	17.2	27.5	20.8	72.0	0.0	0.0	0.0	2.7
10	15.2	31.2	22.1	67.0	0.0	0.0	0.0	7.2
11	16.9	29.9	22.5	66.0	0.0	0.0	0.0	7.0
12	16.0	28.4	19.8	73.0	0.0	5.0	5.0	4.9
13	16.4	27.5	19.7	79.3	1.7	.8	2.5	4.9
14	16.9	26.9	20.4	77.0	0.0	37.6	37.6	4.0
15	14.9	25.1	19.6	80.7	0.0	0.0	0.0	2.8
16	14.8	29.0	20.0	72.0	.1	5.9	6.0	6.9
17	15.9	27.2	20.4	77.0	0.0	0.0	0.0	5.8
18	16.2	26.7	20.0	75.7	0.0	0.0	0.0	3.2
19	15.8	27.2	20.4	75.7	0.0	0.0	0.0	3.8
20	14.7	29.0	21.0	70.7	0.0	13.0	13.0	6.3
21	15.8	22.2	17.6	83.0	1.6	0.0	1.6	.3
22	13.0	25.0	19.9	72.0	0.0	0.0	0.0	3.0
23	12.0	26.0	18.6	89.0	3.0	0.0	3.0	6.7
24	13.7	25.3	18.2	86.7	0.0	0.0	0.0	3.6
25	13.8	23.7	18.5	84.7	0.0	2.9	2.9	.5
26	15.3	26.8	19.7	78.3	0.0	1.6	1.6	4.1
27	16.5	27.0	19.5	82.0	1.9	1.2	3.1	2.8
28	16.0	24.8	19.3	88.0	.6	.2	.8	1.4
29	15.2	29.0	21.3	71.7	0.0	0.0	0.0	7.9
30	16.0	28.7	20.4	74.7	0.0	0.0	0.0	4.9
31	14.0	28.1	20.6	74.7	.4	.3	.7	4.0
Total :					9.3	104.1	113.4	135.3
Promedio :	15.9	27.5	20.5	75.0				

Estación : EL ALGARROBO
Año : 1999

Dpto. : CALDAS
Mpio. : MANIZALES

Latitud : 5 ° 4 'N
Longitud : 75 ° 25 'W
Altitud : 1230 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	28.2	19.4	80.7	51.7	6.4	58.1	3.3
2	16.0	26.2	19.8	80.0	0.0	12.6	12.6	2.2
3	16.5	26.5	19.5	79.3	0.0	0.0	0.0	3.6
4	15.0	26.1	19.9	77.7	0.0	0.0	0.0	2.4
5	16.4	23.7	19.0	85.7	.3	0.0	.3	.4
6	14.9	28.2	20.0	74.0	0.0	0.0	0.0	6.0
7	14.2	27.8	20.2	75.7	.1	34.1	34.2	4.2
8	16.2	26.6	20.2	77.7	0.0	0.0	0.0	3.2
9	15.8	26.5	21.0	71.3	0.0	18.1	18.1	2.5
10	15.9	25.0	20.0	77.7	.1	0.0	.1	.6
11	16.1	25.8	18.8	80.3	9.9	17.2	27.1	2.4
12	16.0	25.1	19.2	79.0	.7	12.3	13.0	1.4
13	15.5	25.3	18.3	82.7	1.1	21.2	22.3	3.2
14	14.9	23.6	18.1	84.0	0.0	0.0	0.0	.7
15	15.0	27.9	19.8	77.0	0.0	0.0	0.0	6.3
16	14.4	28.3	21.0	70.7	0.0	27.7	27.7	6.7
17	16.7	25.0	19.6	79.0	.5	0.0	.5	1.7
18	14.0	28.2	21.0	74.7	0.0	0.0	0.0	7.9
19	15.3	27.2	20.9	75.3	0.0	.4	.4	5.4
20	16.9	26.9	19.6	84.3	1.6	0.0	1.6	5.7
21	14.9	27.5	20.6	73.3	0.0	7.9	7.9	4.8
22	15.9	24.8	19.4	80.0	.1	0.0	.1	1.7
23	15.0	26.2	18.5	79.3	1.2	0.0	1.2	2.6
24	14.0	27.3	20.4	75.7	.1	8.3	8.4	5.0
25	16.5	26.2	19.7	79.3	2.5	23.3	25.8	2.3
26	16.0	24.0	19.4	80.0	.1	22.2	22.3	2.6
27	16.1	24.1	17.9	87.0	1.0	25.0	26.0	.8
28	15.2	24.0	19.0	81.0	.3	7.7	8.0	.2
29	16.0	25.0	19.2	78.7	0.0	0.0	0.0	.5
30	14.7	26.3	18.3	91.0	1.8	1.5	3.3	3.4
31								
Total :					73.1	245.9	319.0	93.7
Promedio :	15.6	26.1	19.6	79.1				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	23.5	18.7	81.3	.8	.8	1.6	0.0
2	15.2	26.0	19.4	84.7	0.0	0.0	0.0	3.2
3	15.8	29.2	21.6	67.7	0.0	.2	.2	5.4
4	17.0	25.2	18.6	90.7	2.1	0.0	2.1	.9
5	14.7	26.1	19.2	79.3	0.0	34.0	34.0	1.5
6	14.2	24.0	17.1	93.0	23.8	.2	24.0	.9
7	14.0	26.9	18.6	76.3	0.0	0.0	0.0	3.1
8	13.7	27.0	18.7	81.0	0.0	0.0	0.0	4.9
9	16.2	26.0	20.8	74.7	0.0	13.5	13.5	3.9
10	15.0	25.1	19.9	80.7	0.0	56.5	56.5	2.2
11	15.5	28.3	20.0	76.3	0.0	0.0	0.0	5.5
12	16.9	28.0	20.0	76.7	0.0	0.0	0.0	4.1
13	15.8	28.1	20.9	74.0	0.0	0.0	0.0	6.0
14	16.2	28.5	21.2	78.7	1.5	.6	2.1	4.7
15	17.0	27.4	20.4	79.7	.1	18.4	18.5	4.5
16	15.8	24.1	19.3	83.0	0.0	1.1	1.1	2.2
17	16.0	22.0	17.6	91.7	4.7	0.0	4.7	.9
18	12.7	29.0	20.6	70.0	0.0	16.1	16.1	6.4
19	15.7	27.3	19.8	75.7	0.0	.3	.3	5.4
20	16.0	26.1	19.2	78.7	2.2	0.0	2.2	1.6
21	15.4	27.0	20.3	75.7	0.0	0.0	0.0	1.7
22	15.8	25.9	20.0	80.0	.3	16.1	16.4	2.3
23	16.0	26.0	20.2	79.3	.3	0.0	.3	1.0
24	17.0	28.2	20.5	76.7	0.0	4.8	4.8	5.7
25	16.0	25.0	19.8	82.3	0.0	2.6	2.6	1.2
26	16.8	26.9	21.0	78.3	0.0	47.3	47.3	2.7
27	16.5	26.7	19.9	78.3	.4	.9	1.3	3.6
28	17.0	25.0	19.2	83.3	10.5	.2	10.7	2.4
29	14.2	25.2	20.0	79.3	0.0	12.5	12.5	3.8
30	16.0	23.8	18.8	84.3	.4	0.0	.4	.9
31	14.2	27.5	19.6	77.7	0.0	0.0	0.0	4.5
Total :					47.1	226.1	273.2	97.1
Promedio :	15.6	26.3	19.7	79.6				

Estación : EL ALGARROBO
Año : 1999

Dpto. : CALDAS
Mpio. : MANIZALES

Latitud : 5 ° 4 'N
Longitud : 75 ° 25 'W
Altitud : 1230 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.5	28.9	20.4	75.0	0.0	0.0	0.0	5.1
2	15.8	28.0	20.7	72.7	2.1	24.2	26.3	5.8
3	16.1	27.8	21.2	72.7	0.0	1.0	1.0	4.5
4	17.4	27.9	20.2	88.7	.5	.2	.7	4.7
5	17.0	28.6	21.2	71.0	0.0	6.1	6.1	6.8
6	16.9	28.0	20.2	79.3	5.6	14.0	19.6	3.5
7	16.8	23.3	19.5	88.0	.2	.5	.7	1.2
8	17.1	25.2	20.6	79.7	0.0	7.2	7.2	1.0
9	17.5	28.8	20.9	78.3	1.7	6.8	8.5	5.3
10	17.6	29.7	21.6	71.0	0.0	32.2	32.2	7.8
11	16.4	24.1	19.7	78.3	0.0	0.0	0.0	.7
12	15.9	27.1	20.8	70.0	.8	15.2	16.0	2.4
13	16.7	25.0	20.3	79.0	.5	17.5	18.0	1.4
14	15.9	29.0	21.7	75.7	0.0	13.1	13.1	8.5
15	16.0	23.5	19.2	80.0	0.0	0.0	0.0	.6
16	15.0	28.1	21.4	71.7	0.0	17.8	17.8	9.1
17	14.0	28.2	20.9	72.3	0.0	19.0	19.0	8.0
18	16.5	23.5	19.0	83.0	.2	.5	.7	0.0
19	16.6	25.8	20.2	79.0	5.8	5.3	11.1	1.2
20	16.8	25.0	19.8	80.7	.1	8.6	8.7	1.6
21	16.3	25.2	20.0	80.0	0.0	5.1	5.1	1.2
22	16.8	23.0	18.8	88.7	1.0	0.0	1.0	.2
23	15.6	27.8	20.3	74.0	.1	21.1	21.2	6.5
24	15.5	24.8	18.2	79.3	4.5	5.8	10.3	2.9
25	16.0	26.7	19.2	77.0	.4	0.0	.4	4.8
26	14.9	27.0	20.8	70.7	0.0	0.0	0.0	7.3
27	15.3	28.8	21.3	70.7	0.0	1.3	1.3	6.0
28	17.8	28.4	21.3	75.3	.8	0.0	.8	4.1
29	16.0	27.7	20.4	72.7	0.0	12.5	12.5	5.0
30	17.1	26.2	20.3	80.7	0.0	0.0	0.0	3.4
31								
Total :					24.3	235.0	259.3	120.6
Promedio :	16.3	26.7	20.3	77.2				

Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.5	20.7	17.8	93.0	11.1	0.0	11.1	.1
2	15.3	26.6	20.5	72.0	0.0	0.0	0.0	5.4
3	16.2	25.0	20.4	78.7	0.0	11.9	11.9	1.0
4	16.7	26.0	20.3	79.7	3.5	35.9	39.4	.7
5	17.0	26.7	20.5	78.3	2.9	0.0	2.9	3.9
6	17.6	25.8	19.6	79.7	3.1	0.0	3.1	3.3
7	16.0	26.0	20.1	78.0	1.3	.1	1.4	6.1
8	15.9	27.3	21.8	72.7	0.0	11.8	11.8	6.4
9	17.1	29.2	21.9	73.7	0.0	2.9	2.9	7.6
10	17.3	25.2	19.9	80.7	0.0	0.0	0.0	1.5
11	15.0	28.0	19.9	77.7	.7	11.9	12.6	5.1
12	17.0	26.1	19.3	80.3	9.6	0.0	9.6	2.9
13	16.0	26.8	19.8	77.7	0.0	6.1	6.1	3.0
14	16.9	26.7	20.4	78.0	10.0	31.0	41.0	4.7
15	16.7	25.2	20.4	80.0	0.0	32.0	32.0	2.5
16	15.6	26.8	20.4	76.7	0.0	9.0	9.0	4.5
17	16.0	27.0	20.9	76.3	0.0	20.2	20.2	3.4
18	17.0	27.3	20.8	78.0	8.7	37.7	46.4	4.9
19	16.7	28.6	20.8	74.3	0.0	.3	.3	6.0
20	17.8	26.0	20.8	79.0	0.0	6.5	6.5	4.5
21	18.0	27.9	21.2	79.7	.1	.1	.2	5.5
22	18.0	25.2	20.9	80.0	0.0	0.0	0.0	1.9
23	15.8	26.5	20.5	77.3	0.0	11.3	11.3	6.7
24	16.5	25.0	19.8	72.7	0.0	15.0	15.0	2.0
25	15.3	25.7	19.4	82.0	0.0	0.0	0.0	4.2
26	12.2	27.4	20.0	71.7	0.0	0.0	0.0	6.5
27	15.0	27.5	21.5	72.0	0.0	0.0	0.0	6.9
28	14.7	27.1	20.8	72.0	0.0	0.0	0.0	8.1
29	15.0	26.1	20.9	72.3	0.0	0.0	0.0	7.2
30	14.8	28.1	21.4	71.0	0.0	.4	.4	8.8
31	15.0	28.6	21.5	73.0	2.2	22.9	25.1	7.5
Total :					53.2	267.0	320.2	142.8
Promedio :	16.1	26.5	20.5	77.0				

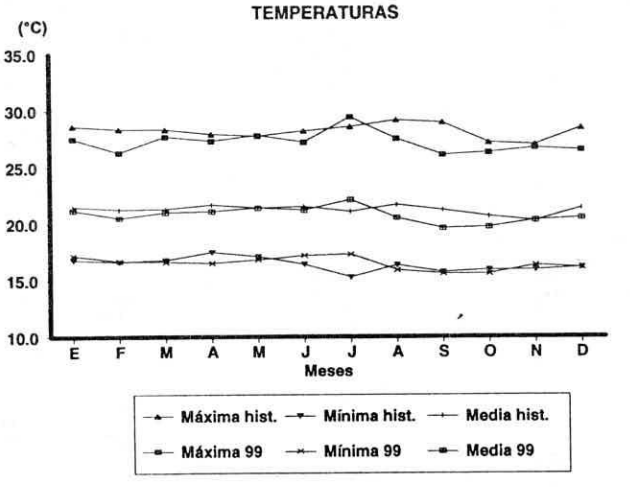
Estación : EL ALGARROBO
Año : 1999

Dpto. : CALDAS
Mpio. : MANIZALES

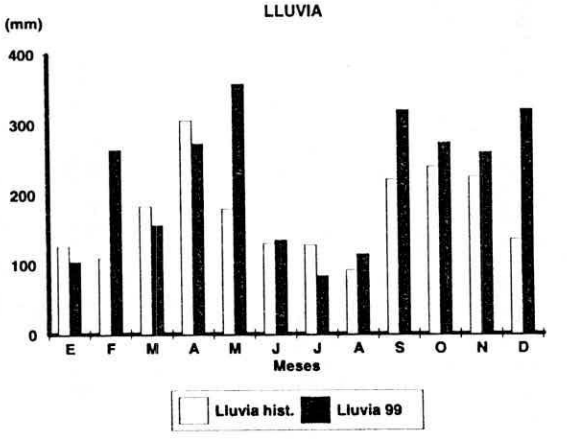
Latitud : 5 ° 4 'N
Longitud : 75 ° 25 'W
Altitud : 1230 m

MES	TEMPERATURA °C						PRECIPITACION		
	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	17.2	27.5	21.2	30.8	14.2	72.7	103.4	18	136.4
Febrero	16.7	26.3	20.5	30.8	15.3	74.8	263.6	25	74.2
Marzo	16.6	27.7	21.0	31.1	14.8	72.6	155.4	16	118.0
Abril	16.5	27.3	21.1	31.0	13.8	74.4	272.0	23	114.6
Mayo	16.8	27.8	21.4	31.0	14.0	72.7	356.2	21	145.2
Junio	17.2	27.2	21.2	30.2	14.0	74.6	134.4	25	99.6
Julio	17.3	29.4	22.1	32.7	15.5	68.5	82.9	20	180.8
Agosto	15.9	27.5	20.5	31.2	12.0	75.0	113.4	16	135.3
Septiembre	15.6	26.1	19.6	28.3	14.0	79.1	319.0	22	93.7
Octubre	15.6	26.3	19.7	29.2	12.7	79.6	273.2	23	97.1
Noviembre	16.3	26.7	20.3	29.7	14.0	77.2	259.3	25	120.6
Diciembre	16.1	26.5	20.5	29.2	12.2	77.0	320.2	23	142.8
Promedio :	16.5	27.2	20.8			74.8			
Absoluta :				32.7	12.0				
Total :							2653.0	257	1458.3

TEMPERATURAS



LLUVIA



Estación : AGRONOMIA
Año : 1999

Dpto. : CALDAS
Mpio. : MANIZALES

Latitud : 5 ° 3 'N
Longitud : 75 ° 29 'W
Altitud : 2150 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.2	21.6	17.5	83.3	0.0	0.0	0.0	1.4
2	13.9	21.0	15.8	85.7	10.4	6.2	16.6	4.9
3	14.0	20.0	16.2	88.0	10.1	0.0	10.1	2.9
4	13.8	21.3	16.4	86.3	8.9	6.2	15.1	3.4
5	13.3	20.1	16.3	90.0	0.0	0.0	0.0	1.6
6	13.1	20.0	16.5	81.7	0.0	0.0	0.0	2.6
7	12.0	23.1	17.2	79.3	0.0	37.5	37.5	7.9
8	13.9	21.7	16.0	89.0	.4	7.2	7.6	2.4
9	13.7	19.0	15.6	89.0	1.0	.2	1.2	.5
10	13.0	19.5	15.4	86.0	23.6	5.1	28.7	3.4
11	12.2	21.2	15.6	85.0	0.0	0.0	0.0	1.5
12	12.0	20.1	15.8	86.7	0.0	0.0	0.0	.9
13	12.1	22.8	16.7	75.0	0.0	0.0	0.0	7.1
14	13.0	20.9	15.8	83.0	0.0	10.8	10.8	.9
15	11.8	22.0	15.8	73.7	0.0	0.0	0.0	7.2
16	13.0	16.5	14.8	89.7	.4	0.0	.4	7.4
17	11.7	23.1	16.8	78.3	0.0	0.0	0.0	3.5
18	12.8	22.2	17.0	71.7	0.0	0.0	0.0	3.2
19	12.2	22.0	16.7	82.7	0.0	0.0	0.0	3.0
20	13.0	19.7	14.9	87.3	1.6	0.0	1.6	2.5
21	11.8	23.1	16.4	79.7	3.0	0.0	3.0	5.0
22	12.2	20.7	16.7	84.3	1.9	0.0	1.9	2.3
23	14.0	22.2	17.2	81.3	0.0	0.0	0.0	3.4
24	14.2	19.8	16.3	88.0	1.7	1.7	3.4	.7
25	13.0	21.7	16.0	88.3	1.4	0.0	1.4	1.4
26	13.2	23.9	17.2	79.7	2.3	28.8	31.1	4.7
27	14.0	21.0	16.6	86.3	17.1	4.1	21.2	2.0
28	13.8	16.8	14.9	94.3	3.0	0.0	3.0	.1
29	12.4	22.8	17.6	77.0	0.0	0.0	0.0	6.9
30	13.0	24.2	17.6	78.3	4.0	.2	4.2	4.3
31	14.7	22.0	17.5	80.3	1.1	0.0	1.1	1.8
Total :					91.9	108.0	199.9	100.8
Promedio :	13.1	21.2	16.3	83.5				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.0	21.8	17.4	85.7	0.0	39.9	39.9	4.1
2	13.8	22.0	16.5	90.0	0.0	0.0	0.0	0.0
3	13.5	22.2	15.9	80.0	.6	.2	.8	2.7
4	13.9	18.3	16.0	88.0	6.6	0.0	6.6	.5
5	12.0	19.2	15.7	87.7	.1	10.1	10.2	.2
6	13.2	18.6	15.5	90.0	0.0	20.7	20.7	.3
7	13.0	19.5	16.2	91.0	.9	1.2	2.1	2.1
8	13.1	23.5	17.4	77.7	0.0	.3	.3	6.0
9	14.2	23.2	17.6	76.0	0.0	0.0	0.0	5.6
10	14.3	17.2	15.4	92.7	.3	0.0	.3	.5
11	12.1	23.0	16.9	77.7	0.0	4.1	4.1	4.1
12	13.8	22.8	16.4	89.7	0.0	0.0	0.0	1.9
13	13.1	19.0	15.6	85.3	0.0	0.0	0.0	.8
14	12.2	20.2	15.3	87.7	0.0	0.0	0.0	1.6
15	13.9	18.0	14.6	96.0	11.6	0.0	11.6	0.0
16	12.9	19.5	15.4	84.3	27.1	1.1	28.2	.3
17	12.8	17.5	15.0	92.3	23.0	.8	23.8	.1
18	12.2	18.1	14.7	88.0	22.9	.1	23.0	.5
19	12.0	21.2	16.0	81.3	16.3	.6	16.9	2.9
20	12.8	18.8	15.2	92.0	0.0	5.0	5.0	3.9
21	12.2	20.5	15.5	81.3	15.7	12.8	28.5	3.1
22	12.2	18.9	15.0	86.7	3.2	.1	3.3	.9
23	13.8	19.7	15.3	93.3	18.5	.7	19.2	1.8
24	13.9	18.0	15.0	91.3	2.0	16.7	18.7	.2
25	12.5	19.3	16.1	88.3	1.5	0.0	1.5	.7
26	13.0	22.0	16.8	82.0	9.0	3.2	12.2	3.0
27	11.9	18.3	15.2	87.0	1.5	3.3	4.8	2.5
28	13.5	18.1	15.4	89.0	5.6	15.6	21.2	.3
29								
30								
31								
Total :					166.4	136.5	302.9	50.6
Promedio :	13.1	19.9	15.8	86.9				

Estación : AGRONOMIA
Año : 1999

Dpto. : CALDAS
Mpio. : MANIZALES

Latitud : 5 ° 3 'N
Longitud : 75 ° 29 'W
Altitud : 2150 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	12.0	19.2	15.0	88.0	.7	0.0	.7	6.1
2	12.2	22.0	16.4	78.7	0.0	0.0	0.0	2.5
3	13.0	20.7	16.5	79.3	.7	0.0	.7	2.9
4	13.7	19.0	16.2	84.0	.9	0.0	.9	1.7
5	11.7	23.4	17.4	71.0	0.0	0.0	0.0	8.4
6	12.8	24.5	17.8	69.7	0.0	0.0	0.0	9.6
7	12.7	21.2	16.2	80.3	0.0	0.0	0.0	8.3
8	12.0	24.0	16.3	75.7	6.2	0.0	6.2	7.2
9	13.8	20.0	15.4	91.3	16.4	.2	16.6	.6
10	13.0	21.0	16.1	80.0	0.0	12.9	12.9	3.2
11	11.9	22.8	17.7	77.0	0.0	0.0	0.0	3.4
12	12.5	25.0	18.4	68.7	0.0	0.0	0.0	5.0
13	13.0	20.0	15.4	90.7	0.0	4.6	4.6	2.0
14	12.0	21.2	16.4	77.7	0.0	0.0	0.0	3.5
15	13.6	19.3	15.2	89.0	.8	.1	.9	.3
16	13.3	21.0	16.4	90.3	0.0	7.2	7.2	1.4
17	13.0	23.2	15.8	87.3	17.6	36.6	54.2	3.9
18	13.1	20.8	15.7	89.0	6.3	10.0	16.3	2.3
19	13.2	20.0	15.7	88.0	1.8	.3	2.1	2.0
20	12.5	18.7	15.3	85.0	5.3	0.0	5.3	.2
21	12.0	21.3	16.5	81.3	.6	2.3	2.9	4.0
22	12.7	20.6	16.6	82.7	0.0	1.7	1.7	.6
23	13.0	20.2	16.8	81.7	0.0	.8	.8	.3
24	13.7	20.0	16.6	78.3	0.0	0.0	0.0	.2
25	13.3	23.8	18.7	75.0	0.0	0.0	0.0	5.5
26	12.9	22.2	17.1	74.0	.8	0.0	.8	2.7
27	14.4	20.0	16.8	84.0	1.1	.4	1.5	.8
28	14.0	20.7	16.4	84.7	13.2	.4	13.6	.4
29	13.4	22.7	16.2	86.3	.2	.6	.8	2.9
30	14.2	23.2	18.2	77.3	1.0	3.3	4.3	4.0
31	14.0	23.5	16.8	76.0	2.9	0.0	2.9	2.8
Total :					76.5	81.4	157.9	98.7
Promedio :	13.0	21.5	16.5	81.4				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	13.7	22.5	17.0	75.3	4.0	0.0	4.0	4.6
2	14.0	24.8	18.8	73.3	0.0	26.0	26.0	0.0
3	13.3	19.2	15.7	78.7	0.0	0.0	0.0	0.0
4	12.2	21.9	17.0	77.0	0.0	16.5	16.5	3.7
5	12.0	23.8	17.7	73.0	0.0	0.0	0.0	8.2
6	13.0	23.2	18.0	72.7	0.0	2.2	2.2	6.5
7	14.2	20.0	16.7	83.3	2.9	9.3	12.2	1.3
8	14.0	20.1	16.4	82.7	3.0	5.7	8.7	.8
9	13.8	21.3	16.0	85.0	8.9	.2	9.1	.9
10	13.2	18.0	15.1	88.0	3.4	3.7	7.1	0.0
11	12.9	22.0	16.6	84.0	.3	2.1	2.4	3.2
12	14.0	22.8	17.6	78.3	.1	8.1	8.2	4.4
13	13.4	22.7	16.6	82.7	.1	0.0	.1	3.6
14	13.8	19.5	16.4	82.7	8.2	0.0	8.2	1.1
15	13.7	20.7	16.3	81.7	3.1	0.0	3.1	2.4
16	12.8	23.9	17.8	69.7	0.0	0.0	0.0	8.7
17	13.7	23.6	18.3	65.7	0.0	0.0	0.0	9.7
18	12.8	23.0	17.8	69.7	0.0	0.0	0.0	7.0
19	12.7	22.8	17.5	75.3	.3	.1	.4	4.6
20	14.5	22.0	17.4	73.7	0.0	0.0	0.0	3.8
21	13.7	23.5	18.1	69.0	0.0	0.0	0.0	5.5
22	14.0	26.2	18.8	71.3	.2	0.0	.2	7.1
23	15.8	21.2	18.0	78.3	0.0	0.0	0.0	1.1
24	14.0	20.2	15.6	88.3	20.0	15.0	35.0	2.4
25	13.0	20.0	16.6	79.0	1.0	17.1	18.1	1.4
26	13.8	21.5	15.4	91.7	6.2	5.1	11.3	2.0
27	13.0	17.5	14.8	91.3	3.7	0.0	3.7	.2
28	12.3	18.2	15.4	87.0	.6	0.0	.6	.7
29	13.2	22.6	16.3	82.0	4.0	6.5	10.5	4.9
30	13.0	17.1	14.6	90.7	10.4	0.0	10.4	1.1
31								
Total :					80.4	117.6	198.0	100.9
Promedio :	13.4	21.5	16.8	79.4				

Estación : AGRONOMIA
Año : 1999

Dpto. : CALDAS
Mpio. : MANIZALES

Latitud : 5 ° 3 'N
Longitud : 75 ° 29 'W
Altitud : 2150 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	11.2	21.5	16.3	77.3	.5	.2	.7	5.8
2	13.2	18.0	15.8	90.7	7.5	0.0	7.5	.2
3	12.7	22.0	16.3	84.7	5.9	1.7	7.6	3.5
4	13.7	16.7	14.9	94.3	1.1	0.0	1.1	.8
5	13.0	23.4	16.8	81.3	9.2	0.0	9.2	5.7
6	12.8	19.3	16.2	85.0	1.2	10.3	11.5	2.5
7	12.6	21.2	16.2	86.3	1.8	2.2	4.0	5.0
8	12.4	22.0	15.8	89.7	1.4	4.1	5.5	3.7
9	12.7	20.0	15.3	87.3	5.7	14.9	20.6	.3
10	12.0	21.5	15.4	82.0	.3	0.0	.3	4.7
11	12.7	18.8	14.4	93.7	9.4	.5	9.9	1.4
12	12.8	20.2	16.0	80.7	3.6	11.9	15.5	4.1
13	13.0	20.2	15.6	91.7	0.0	.2	.2	.8
14	13.1	20.8	16.8	77.7	.1	0.0	.1	3.5
15	13.0	22.3	17.0	85.0	.2	0.0	.2	4.5
16	13.8	23.0	18.2	77.7	0.0	0.0	0.0	6.7
17	14.2	23.7	17.5	78.3	0.0	0.0	0.0	7.4
18	13.2	20.5	16.9	80.7	.1	0.0	.1	1.5
19	13.3	21.6	16.3	83.3	2.3	0.0	2.3	3.4
20	13.1	21.5	16.5	84.7	3.8	0.0	3.8	3.4
21	14.2	20.0	16.6	85.3	0.0	0.0	0.0	5.6
22	14.2	20.3	16.7	86.3	5.3	0.0	5.3	6.5
23	14.0	25.5	19.6	72.7	0.0	0.0	0.0	10.0
24	13.9	24.0	18.8	74.3	0.0	0.0	0.0	7.6
25	13.8	23.2	18.0	78.3	.2	0.0	.2	4.8
26	14.0	24.2	18.7	76.3	0.0	0.0	0.0	5.8
27	13.9	24.5	18.4	71.0	0.0	0.0	0.0	7.1
28	14.7	22.9	17.9	81.7	0.0	0.0	0.0	3.7
29	14.0	21.8	16.0	92.3	21.7	1	21.8	1.4
30	13.2	21.3	17.3	77.0	0.0	0.0	0.0	2.6
31	13.0	20.8	16.9	85.3	2.2	.2	2.4	4.8
Total					83.5	46.3	129.8	128.8
Promedio	13.3	21.5	16.7	83.0				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.3	21.6	17.6	88.3	3.4	0.0	3.4	4.3
2	14.8	21.8	16.8	86.7	1.9	0.0	1.9	.9
3	13.0	23.2	17.9	71.3	0.0	0.0	0.0	7.0
4	14.2	19.0	15.8	88.7	2.6	3.3	5.9	.3
5	13.7	19.7	17.0	84.3	3.8	0.0	3.8	4.7
6	12.8	19.8	16.3	86.3	.8	0.0	.8	.4
7	13.9	21.2	15.8	88.7	21.3	13.7	35.0	2.9
8	13.5	19.0	15.8	87.3	8.6	0.0	8.6	1.4
9	13.3	20.8	16.4	79.3	3.0	.3	3.3	2.7
10	12.7	24.9	18.0	74.7	.7	0.0	.7	8.5
11	14.6	19.7	16.4	89.3	4.9	0.0	4.9	1.1
12	13.0	23.3	18.0	72.7	0.0	6	.6	4.8
13	14.0	18.0	15.0	94.0	5.9	1	6.0	.2
14	13.2	21.0	15.2	93.0	20.1	1.2	21.3	1.7
15	13.1	21.2	16.7	86.7	0.0	7	.7	1.9
16	13.0	19.1	15.5	90.0	1.7	0.0	1.7	6.2
17	12.2	22.0	16.7	82.3	.1	0.0	.1	0.0
18	13.7	17.3	14.8	93.0	.9	1.1	2.0	.1
19	12.4	19.8	15.9	84.3	1.4	0.0	1.4	4.6
20	12.9	21.7	17.2	83.0	0.0	0.0	0.0	.3
21	14.5	20.2	16.5	89.0	1.9	.4	2.3	.6
22	13.5	21.2	16.8	82.7	0.0	0.0	0.0	3.0
23	12.5	20.0	16.1	81.0	.2	0.0	.2	1.4
24	12.8	20.4	16.4	85.0	4	2	.6	.3
25	13.3	22.2	16.9	78.3	9.1	3	9.4	1.6
26	13.0	19.7	15.4	89.0	17.1	16.6	33.7	.9
27	12.7	20.4	16.0	92.7	7.5	10.0	17.5	.7
28	13.2	18.2	15.1	91.3	.8	0.0	.8	2.1
29	11.0	21.6	15.9	78.3	1.5	0.0	1.5	4.0
30	12.1	22.4	17.6	70.0	.2	.2	.4	7.3
31								
Total					119.8	48.7	168.5	75.9
Promedio	13.2	20.7	16.4	84.7				

Estación : AGRONOMIA **Dpto. : CALDAS** **Latitud : 5 ° 3 'N**
Año : 1999 **Mpio. : MANIZALES** **Longitud : 75 ° 29 'W**
Altitud : 2150 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	13.8	20.0	15.9	88.3	0.0	.4	.4	2.8
2	13.0	20.2	16.0	84.0	.1	0.0	.1	2.0
3	13.1	20.0	15.6	89.3	2.7	.3	3.0	.5
4	13.0	21.9	17.0	76.3	.3	0.0	.3	4.7
5	11.8	22.2	16.4	78.3	0.0	.3	.3	6.1
6	13.1	21.7	16.9	75.7	0.0	0.0	0.0	3.4
7	13.5	19.0	15.8	84.3	.8	.7	1.5	.9
8	13.3	20.9	16.5	81.0	9.0	.2	9.2	2.8
9	12.3	19.5	15.6	80.3	1.8	0.0	1.8	2.6
10	12.0	23.8	17.6	69.3	0.0	0.0	0.0	8.9
11	13.2	22.8	17.5	81.7	.2	0.0	.2	5.2
12	13.7	23.0	17.3	76.3	.4	0.0	.4	4.4
13	12.8	22.8	18.4	66.0	0.0	0.0	0.0	7.5
14	13.7	24.9	18.8	67.7	0.0	0.0	0.0	8.7
15	13.5	23.3	18.4	67.7	0.0	0.0	0.0	7.5
16	14.0	20.8	16.8	82.3	2.8	0.0	2.8	1.7
17	12.9	21.5	17.5	71.0	1.3	0.0	1.3	5.3
18	13.7	24.5	19.6	75.7	.3	.1	.4	6.2
19	14.2	21.5	16.8	80.0	1.8	9.9	11.7	4.3
20	13.8	21.0	16.7	79.7	0.0	0.0	0.0	5.2
21	14.6	23.2	17.8	75.0	0.0	0.0	0.0	5.1
22	13.7	22.5	17.6	73.0	0.0	0.0	0.0	4.9
23	13.8	21.6	16.4	84.7	3.3	.5	3.8	2.7
24	12.4	21.0	17.0	78.3	0.0	0.0	0.0	3.4
25	13.9	24.9	19.3	70.0	0.0	0.0	0.0	5.7
26	14.2	22.1	18.1	77.7	0.0	0.0	0.0	2.7
27	14.3	22.5	17.4	79.7	.1	0.0	.1	3.9
28	14.0	23.0	17.5	85.0	1.4	0.0	1.4	1.2
29	13.9	20.8	17.3	80.7	3.5	0.0	3.5	1.2
30	12.3	23.2	18.1	71.3	.2	2.2	2.4	5.9
31	14.0	22.0	15.9	88.0	20.7	0.0	20.7	2.0
Total :					50.7	14.6	65.3	129.4
Promedio :	13.4	22.0	17.2	78.0				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	13.9	22.5	18.0	76.7	.2	0.0	.2	4.9
2	14.0	19.8	15.7	81.0	0.0	31.9	31.9	2.0
3	13.8	19.0	16.3	89.3	.3	0.0	.3	1.0
4	13.9	22.7	17.0	80.0	0.0	0.0	0.0	2.3
5	13.8	21.1	16.4	79.7	3.0	0.0	3.0	2.7
6	12.9	20.7	17.4	81.0	0.0	51.5	51.5	1.6
7	12.7	20.1	16.4	84.0	0.0	.3	.3	3.5
8	14.0	22.9	16.9	79.3	0.0	1.1	1.1	3.3
9	13.6	19.5	16.1	82.7	2.2	0.0	2.2	1.3
10	12.8	24.1	17.8	70.0	0.0	0.0	0.0	6.4
11	13.0	22.0	17.2	81.0	0.0	0.0	0.0	3.1
12	13.1	22.2	17.0	80.7	0.0	0.0	0.0	3.8
13	13.5	21.0	16.0	85.3	2.0	.1	2.1	3.5
14	13.0	20.0	15.9	86.3	1.2	7.8	9.0	2.6
15	12.8	19.2	16.6	81.3	0.0	0.0	0.0	2.5
16	13.0	22.5	17.0	71.7	0.0	.2	.2	5.3
17	13.9	22.0	16.8	82.7	0.0	0.0	0.0	5.0
18	14.0	21.8	16.6	83.3	3.9	0.0	3.9	1.4
19	13.2	21.0	16.4	83.0	0.0	0.0	0.0	1.6
20	12.8	21.8	17.0	78.0	0.0	7.4	7.4	1.4
21	13.0	17.5	14.4	94.0	12.4	.1	12.5	.2
22	12.0	20.0	16.1	74.3	1.0	0.0	1.0	2.3
23	11.3	20.2	15.4	83.0	.6	0.0	.6	5.8
24	12.0	22.8	16.4	77.0	.5	0.0	.5	3.1
25	13.2	18.3	15.0	90.0	1.9	5.8	7.7	0.0
26	12.9	21.2	15.0	93.0	4.8	.8	5.6	2.0
27	14.0	20.1	16.2	88.3	17.8	4.3	22.1	.2
28	13.0	18.4	15.9	90.7	.5	0.0	.5	0.0
29	13.1	23.2	17.7	76.7	.9	0.0	.9	5.9
30	13.8	24.0	17.3	75.7	0.0	0.0	0.0	4.1
31	12.7	22.4	17.9	73.7	0.0	0.0	0.0	3.0
Total :					53.2	111.3	164.5	85.8
Promedio :	13.2	21.1	16.5	81.7				

Estación : AGRONOMIA
Año : 1999

Dpto. : CALDAS
Mpio. : MANIZALES

Latitud : 5 ° 3 'N
Longitud : 75 ° 29 'W
Altitud : 2150 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.0	21.0	15.6	89.3	2.0	9.3	11.3	1.5
2	13.0	19.2	15.7	89.3	0.0	0.0	0.0	.4
3	14.0	20.2	16.1	83.0	.3	.5	.8	.8
4	12.0	20.0	16.2	84.3	1.1	.1	1.2	1.4
5	12.9	20.5	16.8	71.7	1.2	0.0	1.2	1.1
6	12.0	23.8	16.0	78.7	1.5	0.0	1.5	7.4
7	12.3	21.3	16.5	80.0	1.5	1.6	3.1	3.4
8	13.3	19.2	15.7	83.0	1.1	0.0	1.1	1.6
9	12.0	21.2	16.0	80.7	.4	11.9	12.3	1.7
10	12.8	22.6	15.1	91.7	9.4	0.0	9.4	.6
11	13.0	20.0	15.3	80.0	1.0	15.0	16.0	1.6
12	13.1	17.7	14.6	86.0	4.8	0.0	4.8	0.0
13	12.8	20.0	15.2	83.3	11.9	11.2	23.1	2.3
14	11.9	18.2	14.9	76.7	.3	0.0	.3	0.0
15	10.9	20.8	15.9	78.3	.8	0.0	.8	3.4
16	12.7	22.2	17.0	75.3	4.5	15.0	19.5	6.0
17	13.8	18.5	15.0	86.3	6.6	0.0	6.6	1.0
18	12.2	22.0	17.1	76.0	0.0	0.0	0.0	7.9
19	13.0	23.0	16.9	77.0	0.0	0.0	0.0	4.6
20	14.0	20.8	16.8	86.0	1.2	0.0	1.2	3.1
21	12.2	20.5	15.9	81.7	1.8	6.1	7.9	3.3
22	12.8	19.0	16.0	77.7	1.4	.1	1.5	.2
23	13.0	20.8	14.5	88.0	7.2	0.0	7.2	1.8
24	11.7	20.5	15.6	81.3	.2	10.8	11.0	3.6
25	13.1	19.0	15.2	88.7	11.0	62.6	73.6	.4
26	12.7	18.8	15.0	89.3	6.5	47.9	54.4	.9
27	13.0	17.4	14.8	92.3	7.3	12.8	20.1	0.0
28	12.2	17.6	14.8	88.7	9.1	4.6	13.7	0.0
29	12.9	18.8	14.9	79.3	.5	0.0	.5	1.2
30	12.0	20.7	16.0	77.7	2.7	3.3	6.0	2.4
31								
Total :					97.3	212.8	310.1	63.6
Promedio :	12.7	20.2	15.7	82.7				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total.	Brillo Sol.(h)
1	13.0	16.2	15.0	84.3	.5	6.5	7.0	.1
2	12.0	19.5	16.4	78.3	.4	2.5	2.9	2.0
3	12.8	20.8	16.2	82.3	1.3	.1	1.4	4.4
4	13.8	19.0	15.2	88.0	6.4	0.0	6.4	.5
5	12.5	21.0	16.1	80.0	0.0	44.9	44.9	2.2
6	12.0	18.0	13.9	86.0	16.2	.8	17.0	3.2
7	11.5	20.3	14.9	75.3	.8	0.0	.8	1.5
8	12.0	22.0	16.8	70.7	0.0	0.0	0.0	4.3
9	13.6	19.7	16.3	84.0	3.1	6.6	9.7	3.3
10	12.8	19.0	15.8	88.0	11.5	21.3	32.8	.4
11	13.0	20.2	16.0	81.3	0.0	0.0	0.0	2.8
12	12.8	21.0	16.8	77.7	.8	0.0	.8	5.7
13	12.0	22.0	17.1	75.3	1.4	0.0	1.4	4.2
14	13.5	23.0	17.4	80.0	0.0	0.0	0.0	3.7
15	14.0	21.2	16.6	81.0	.3	6.2	6.5	2.1
16	13.2	19.7	16.2	79.3	0.0	0.0	0.0	2.1
17	13.0	17.3	14.1	87.7	12.8	0.0	12.8	.6
18	11.0	21.6	15.8	77.0	.7	22.8	23.5	4.0
19	12.6	22.4	16.6	80.3	0.0	0.0	0.0	6.1
20	13.8	18.2	15.6	84.7	6.9	0.0	6.9	.3
21	13.5	20.0	15.9	79.0	0.0	0.0	0.0	.2
22	13.0	19.8	16.2	83.7	5.1	18.8	23.9	.9
23	13.1	18.4	15.6	84.7	0.0	3.0	3.0	0.0
24	13.4	23.0	15.9	82.3	32.8	0.0	32.8	4.5
25	13.8	19.0	16.0	89.3	3.2	.2	3.4	1.2
26	13.5	20.0	16.7	86.0	1.3	67.2	68.5	.8
27	13.0	20.2	15.7	85.3	6.9	1.2	8.1	3.2
28	13.1	19.0	15.2	88.3	14.8	.3	15.1	2.1
29	11.5	20.0	15.4	78.3	.3	13.0	13.3	1.6
30	12.8	17.0	14.4	91.7	1.9	0.0	1.9	0.0
31	12.0	21.0	16.1	77.0	0.0	0.0	0.0	4.3
Total :					129.4	215.4	344.8	72.3
Promedio :	12.8	20.0	15.9	82.2				

Estación : AGRONOMIA
Año : 1999

Dpto. : CALDAS
Mpio. : MANIZALES

Latitud : 5 ° 3 'N
Longitud : 75 ° 29 'W
Altitud : 2150 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	12.4	20.7	15.7	79.7	2.0	0.0	2.0	4.6
2	12.8	22.0	16.4	81.7	9.6	5.9	15.5	2.3
3	12.0	20.4	15.9	84.7	.5	0.0	.5	3.7
4	13.8	19.7	16.2	86.3	4.4	2.7	7.1	2.9
5	13.6	22.2	16.4	79.7	0.0	0.0	0.0	3.1
6	14.0	22.0	16.1	79.3	3.0	0.0	3.0	4.0
7	13.0	19.4	15.5	86.0	.8	3.4	4.2	2.0
8	13.7	18.0	15.5	91.7	5.8	.2	6.0	.2
9	14.5	23.0	18.0	79.7	0.0	0.0	0.0	5.0
10	14.0	22.5	18.2	75.0	0.0	33.6	33.6	3.4
11	13.8	21.2	15.4	90.7	0.0	1.9	1.9	1.4
12	13.2	21.0	15.3	88.0	39.1	15.7	54.8	3.1
13	13.6	19.2	16.0	87.7	1.0	4.3	5.3	.8
14	13.0	27.0	17.2	79.7	0.0	39.4	39.4	6.6
15	12.6	18.0	15.0	84.0	1.0	0.0	1.0	1.5
16	11.8	22.1	16.2	75.0	6.3	4.8	11.1	6.6
17	12.0	23.0	17.0	72.3	.3	41.0	41.3	6.8
18	13.0	16.8	14.3	89.3	3.6	.4	4.0	0.0
19	12.8	18.0	15.4	84.3	0.0	18.6	18.6	2.7
20	13.2	21.0	15.4	84.3	14.5	28.5	43.0	.3
21	12.9	18.0	14.9	89.0	25.0	11.6	36.6	1.0
22	13.0	18.8	14.9	88.3	1.2	.4	1.6	.9
23	13.1	21.2	15.8	80.7	1.2	5.0	6.2	3.7
24	12.5	18.4	14.4	85.0	22.0	1.0	23.0	.9
25	12.8	20.0	15.2	81.7	.4	0.0	.4	4.2
26	12.0	21.0	15.6	83.3	4.8	0.0	4.8	4.4
27	11.7	20.5	16.0	80.0	0.0	0.0	0.0	4.1
28	13.5	20.8	16.2	80.7	0.0	0.0	0.0	3.2
29	12.6	22.0	16.6	66.7	0.0	.1	.1	4.6
30	14.0	21.0	15.8	80.0	7.0	.3	7.3	2.6
31								
Total :					153.5	218.8	372.3	90.6
Promedio :	13.0	20.6	15.9	82.5				

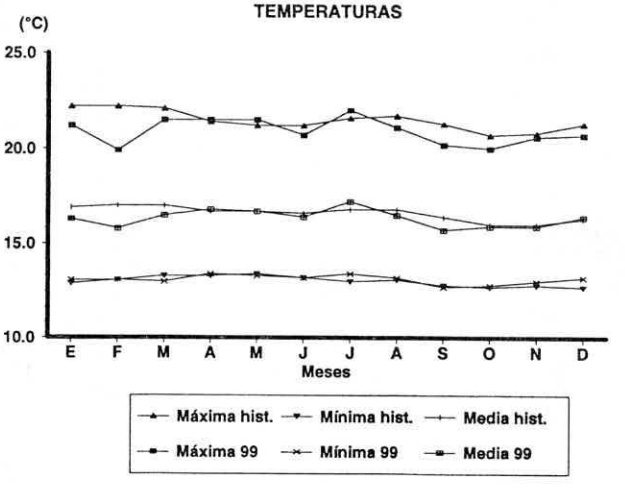
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	13.0	16.0	14.0	91.7	13.8	.3	14.1	0.0
2	12.5	20.0	15.1	84.0	25.7	3.7	29.4	1.9
3	12.9	20.1	16.1	89.0	0.0	5.8	5.8	.8
4	13.5	19.0	15.9	80.7	7.5	3.3	10.8	.5
5	14.0	20.8	16.4	87.3	2.9	7.9	10.8	3.3
6	13.0	20.0	15.6	86.0	4.0	0.0	4.0	.9
7	12.4	19.0	15.3	85.3	0.0	12.2	12.2	1.4
8	13.0	22.2	17.2	79.3	3.0	0.0	3.0	5.1
9	13.9	24.2	18.5	75.0	0.0	0.0	0.0	6.5
10	14.0	19.8	16.5	82.3	0.0	0.0	0.0	.6
11	12.7	20.2	16.5	81.3	2.6	0.0	2.6	2.6
12	13.7	21.1	16.0	86.0	4.4	5.3	9.7	.6
13	13.0	19.0	15.6	82.3	1.5	0.0	1.5	1.7
14	13.9	21.3	17.0	80.7	1.6	8.3	9.9	4.4
15	14.0	18.8	16.0	88.0	0.0	0.0	0.0	1.6
16	13.8	20.1	16.4	82.7	0.0	13.3	13.3	2.8
17	13.8	20.0	16.7	85.7	0.0	8.6	8.6	2.3
18	14.4	20.2	16.8	84.7	0.0	19.6	19.6	2.7
19	14.0	20.9	16.6	82.7	1.2	0.0	1.2	3.6
20	13.0	19.9	16.2	86.0	.5	0.0	.5	1.8
21	14.8	23.2	17.4	83.3	.9	9.0	9.9	4.4
22	15.0	20.0	16.8	86.7	.4	0.0	.4	1.4
23	11.9	22.0	16.5	76.0	0.0	15.4	15.4	7.2
24	13.0	21.0	15.4	80.7	4.0	25.0	29.0	2.4
25	12.8	19.6	16.1	81.7	0.0	0.0	0.0	2.2
26	11.2	21.6	16.3	68.3	0.0	0.0	0.0	6.1
27	13.5	23.0	17.6	70.0	0.0	0.0	0.0	6.0
28	12.0	22.0	16.5	66.3	0.0	0.0	0.0	6.5
29	12.2	21.2	16.5	71.0	0.0	0.0	0.0	3.5
30	12.0	22.3	17.0	70.0	0.0	0.0	0.0	6.5
31	13.4	23.1	17.6	71.3	0.0	1.7	1.7	6.9
Total :					74.0	139.4	213.4	98.2
Promedio :	13.2	20.7	16.4	80.8				

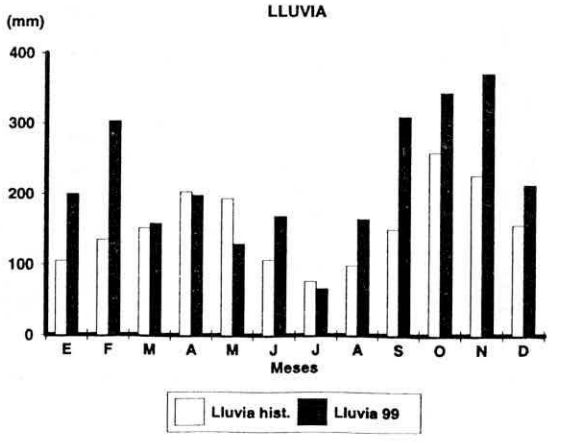
Estación : AGRONOMIA
Año : 1999

Dpto. : CALDAS
Mpio. : MANIZALES

Latitud : 5 ° 3 'N
Longitud : 75 ° 29 'W
Altitud : 2150 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	13.1	21.2	16.3	24.2	11.7	83.5	199.9	19	100.8
Febrero	13.1	19.9	15.8	23.5	11.9	86.9	302.9	23	50.6
Marzo	13.0	21.5	16.5	25.0	11.7	81.4	157.9	22	98.7
Abril	13.4	21.5	16.8	26.2	12.0	79.4	198.0	22	100.9
Mayo	13.3	21.5	16.7	25.5	11.2	83.0	129.8	22	128.8
Junio	13.2	20.7	16.4	24.9	11.0	84.7	168.5	27	75.9
Julio	13.4	22.0	17.2	24.9	11.8	78.0	65.3	20	129.4
Agosto	13.2	21.1	16.5	24.1	11.3	81.7	164.5	22	85.8
Septiembre	12.7	20.2	15.7	23.8	10.9	82.7	310.1	27	63.6
Octubre	12.8	20.0	15.9	23.0	11.0	82.2	344.8	24	72.3
Noviembre	13.0	20.6	15.9	27.0	11.7	82.5	372.3	26	90.6
Diciembre	13.2	20.7	16.4	24.2	11.2	80.8	213.4	22	98.2
Promedio :	13.1	20.9	16.3			82.2			
Absoluta :				27.0	10.9				
Total :							2627.4	276	1095.6





Estación : PLANALTO
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 5 ° 1 'N
Longitud : 75 ° 36 'W
Altitud : 1425 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.3	26.6	21.2	82.7	0.0	1.7	1.7	
2	17.0	26.4	19.7	89.0	12.0	1.0	13.0	
3	15.8	25.0	20.2	85.7	.1	.1	.2	
4	16.8	27.0	21.4	77.3	0.0	0.0	0.0	
5	17.0	23.6	19.3	86.7	1.2	18.8	20.0	
6	15.6	26.8	20.3	86.7	0.0	16.5	16.5	
7	16.2	28.0	20.5	75.7	0.0	0.0	0.0	
8	17.0	25.0	19.6	84.7	0.0	15.9	15.9	
9	16.3	22.0	18.4	91.7	.1	0.0	.1	
10	15.8	23.6	17.6	93.7	41.9	6.4	48.3	
11	15.2	24.8	19.4	86.0	0.0	0.0	0.0	
12	14.8	22.0	18.6	86.3	2.2	0.0	2.2	
13	15.0	25.1	19.8	79.7	0.0	1.6	1.6	
14	15.0	25.4	19.0	88.0	0.0	12.0	12.0	
15	15.0	26.0	18.8	81.0	0.0	3.0	3.0	
16	16.0	26.0	17.2	94.3	1.7	0.0	1.7	
17	13.8	26.0	18.9	87.0	1.4	0.0	1.4	
18	15.8	26.3	21.0	78.3	0.0	4.3	4.3	
19	15.7	26.5	20.8	78.3	0.0	8.1	8.1	
20	17.0	25.3	19.0	87.3	1.0	0.0	1.0	
21	15.5	27.4	20.4	78.0	0.0	4.5	4.5	
22	16.5	26.0	20.2	85.7	0.0	0.0	0.0	
23	17.0	27.0	20.8	81.0	0.0	22.8	22.8	
24	17.0	24.0	20.1	89.0	0.0	2.4	2.4	
25	17.9	25.4	20.3	87.0	.6	4.2	4.8	
26	16.7	28.0	20.4	82.7	2.4	.2	2.6	
27	17.4	25.5	19.8	86.7	7.8	.2	8.0	
28	16.5	22.0	18.5	90.0	.9	0.0	.9	
29	15.8	27.0	21.0	79.7	0.0	0.0	0.0	
30	17.0	28.4	22.0	75.0	0.0	27.5	27.5	
31	17.0	26.2	21.5	84.3	0.0	0.0	0.0	
Total :					73.3	151.2	224.5	
Promedio :	16.2	25.6	19.9	84.5				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.5	25.8	21.2	83.3	0.0	8.0	8.0	
2	17.6	26.0	20.8	83.0	2.5	2.0	4.5	
3	17.3	26.4	20.7	80.7	.4	13.2	13.6	
4	17.0	24.2	20.3	87.0	1.1	0.0	1.1	
5	17.1	25.5	20.6	83.7	.2	9.8	10.0	
6	16.4	23.1	19.6	86.0	0.0	38.2	38.2	
7	16.0	24.0	19.9	90.7	0.0	0.0	0.0	
8	16.6	28.0	21.2	76.3	0.0	.1	.1	
9	16.9	28.2	21.5	76.7	0.0	0.0	0.0	
10	17.5	20.5	18.8	92.3	.4	0.0	.4	
11	15.5	26.8	20.9	79.3	0.0	37.5	37.5	
12	16.2	23.4	19.4	90.0	0.0	0.0	0.0	
13	15.9	22.5	18.4	89.3	.3	.2	.5	
14	15.3	22.7	17.8	92.0	3.4	.6	4.0	
15	16.5	22.4	17.5	96.3	13.5	.1	13.6	
16	15.4	23.0	18.4	85.7	0.0	1.4	1.4	
17	15.7	20.0	17.0	96.0	9.1	1.3	10.4	
18	15.1	23.6	18.1	85.0	11.9	0.0	11.9	
19	14.7	25.0	17.9	85.3	13.9	18.4	32.3	
20	15.0	20.6	18.0	91.7	0.0	0.0	0.0	
21	14.5	24.0	18.5	87.3	1.5	7.0	8.5	
22	15.0	25.4	19.0	84.7	.2	.3	.5	
23	17.0	24.7	19.5	84.3	.4	20.9	21.3	
24	16.5	23.0	18.8	90.3	.9	11.4	12.3	
25	15.8	25.3	20.0	85.3	0.0	0.0	0.0	
26	17.4	26.0	21.4	79.3	.9	42.6	43.5	
27	15.5	25.4	19.3	92.7	.5	1.4	1.9	
28	17.0	23.2	18.5	94.0	10.9	7.0	17.9	
29								
30								
31								
Total :					72.0	221.4	293.4	
Promedio :	16.2	24.2	19.4	86.7				

Estación : PLANALTO
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 5 ° 1 'N
Longitud : 75 ° 36 'W
Altitud : 1425 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.4	22.9	18.6	83.7	.4	0.0	.4	
2	15.9	24.8	20.4	83.7	0.0	0.0	0.0	
3	17.0	27.0	21.0	77.0	0.0	0.0	0.0	
4	17.0	25.0	19.6	89.7	0.0	0.0	0.0	
5	15.9	28.2	21.0	75.0	0.0	0.0	0.0	
6	15.3	28.0	21.9	71.3	0.0	.1	.1	
7	16.4	26.8	20.2	80.3	0.0	0.0	0.0	
8	15.8	27.6	20.2	77.3	8.2	0.0	8.2	
9	17.2	24.2	18.6	92.7	14.5	.4	14.9	
10	15.8	26.4	19.8	84.7	.4	.4	.8	
11	14.6	27.2	20.6	82.0	0.0	0.0	0.0	
12	16.0	27.8	21.8	73.0	0.0	0.0	0.0	
13	16.0	25.0	18.8	86.0	.2	0.0	.2	
14	15.2	25.9	20.3	84.7	.1	6.0	6.1	
15	17.4	23.7	19.6	86.0	.9	0.0	.9	
16	16.7	24.6	19.7	89.0	0.0	11.6	11.6	
17	16.1	27.4	19.5	78.7	10.4	40.8	51.2	
18	16.0	25.2	19.9	85.3	0.0	4.1	4.1	
19	16.5	23.6	18.2	90.3	39.1	5.0	44.1	
20	15.1	25.4	19.1	82.3	0.0	0.0	0.0	
21	16.2	25.2	19.2	86.3	.3	0.0	.3	
22	16.2	25.9	20.4	83.0	0.0	15.8	15.8	
23	16.8	24.4	20.1	86.3	0.0	0.0	0.0	
24	17.7	23.8	20.3	84.0	0.0	0.0	0.0	
25	17.2	28.0	20.8	76.7	0.0	0.0	0.0	
26	16.9	27.8	21.4	74.0	0.0	0.0	0.0	
27	18.0	24.0	19.8	91.3	.5	1.2	1.7	
28	17.5	23.5	19.6	97.3	4.7	9.9	14.6	
29	16.0	25.0	20.7	83.7	0.0	.6	.6	
30	17.2	27.0	20.9	76.7	1.6	0.0	1.6	
31	17.0	29.4	22.0	73.7	0.0	0.0	0.0	
Total					81.3	95.9	177.2	
Promedio	16.4	25.8	20.1	82.8				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	27.0	21.1	79.7	0.0	0.0	0.0	
2	17.6	28.6	22.6	78.7	0.0	10.0	10.0	
3	16.0	20.4	17.8	90.3	0.0	0.0	0.0	
4	15.0	26.8	19.4	81.3	6.6	5.4	12.0	
5	15.0	27.2	20.7	82.0	0.0	5.5	5.5	
6	16.5	28.4	21.2	76.7	0.0	0.0	0.0	
7	17.9	24.7	20.9	88.0	.2	3.8	4.0	
8	17.5	25.0	19.9	84.3	9.4	7.8	17.2	
9	17.2	24.0	19.4	88.0	1.7	0.0	1.7	
10	16.0	24.4	19.2	87.7	8.6	8.6	17.2	
11	16.2	26.8	21.3	82.7	0.0	13.7	13.7	
12	17.4	25.9	20.7	83.0	0.0	4.3	4.3	
13	17.0	25.0	20.4	80.0	.1	0.0	.1	
14	17.2	25.0	20.6	86.7	0.0	2.5	2.5	
15	17.0	25.9	20.0	84.3	.3	0.0	.3	
16	16.4	28.2	21.6	74.3	0.0	0.0	0.0	
17	16.8	28.8	22.3	68.3	0.0	0.0	0.0	
18	16.0	27.0	21.1	73.3	0.0	0.0	0.0	
19	15.7	29.0	22.3	69.7	0.0	0.0	0.0	
20	17.3	26.2	19.9	85.3	0.0	0.0	0.0	
21	15.4	28.0	22.4	73.3	0.0	0.0	0.0	
22	17.2	29.3	22.7	73.7	0.0	1.0	1.0	
23	17.4	24.4	20.8	88.7	.3	0.0	.3	
24	16.6	22.6	18.8	95.7	5.4	2.7	8.1	
25	16.0	23.5	19.3	87.7	.6	25.9	26.5	
26	16.6	24.4	20.0	84.7	.3	3.4	3.7	
27	16.0	22.0	18.4	90.7	.2	0.0	.2	
28	15.0	24.2	19.4	85.0	.5	0.0	.5	
29	16.3	25.8	23.0	81.3	0.0	2.3	2.3	
30	15.8	22.8	17.7	92.0	13.4	0.0	13.4	
31								
Total					47.6	96.9	144.5	
Promedio	16.5	25.7	20.5	82.6				

Estación : PLANALTO
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 5 ° 1 'N
Longitud : 75 ° 36 'W
Altitud : 1425 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.0	25.4	20.2	77.3	.2	0.0	.2	
2	17.4	26.0	19.8	89.3	1.4	0.0	1.4	
3	16.5	26.0	20.8	79.3	0.0	18.7	18.7	
4	16.2	21.8	17.7	95.0	10.5	0.0	10.5	
5	15.2	25.2	19.7	83.3	.2	0.0	.2	
6	15.5	25.0	20.2	81.0	6.1	7.0	13.1	
7	16.0	23.5	19.4	86.0	0.0	0.0	0.0	
8	15.0	25.4	18.9	90.7	.7	.1	.8	
9	16.0	24.0	18.6	86.3	2.0	21.1	23.1	
10	15.2	25.2	19.1	83.7	4.9	0.0	4.9	
11	15.5	22.1	18.6	93.0	21.4	.1	21.5	
12	14.6	24.3	19.1	87.7	.2	27.8	28.0	
13	15.4	24.5	18.8	88.3	1.7	0.0	1.7	
14	15.5	25.0	20.4	80.0	0.0	0.0	0.0	
15	16.0	26.5	20.7	81.0	0.0	0.0	0.0	
16	17.5	27.5	21.9	77.3	0.0	26.0	26.0	
17	16.6	27.0	20.8	78.7	0.0	0.0	0.0	
18	17.4	25.0	21.0	78.0	0.0	0.0	0.0	
19	16.2	25.0	19.5	84.7	8.2	0.0	8.2	
20	15.4	26.2	20.2	84.3	1.0	3.1	4.1	
21	16.5	26.1	20.2	86.3	4.1	0.0	4.1	
22	17.4	25.4	20.4	87.3	0.0	0.0	0.0	
23	17.2	28.1	22.3	78.3	0.0	0.0	0.0	
24	17.5	28.4	22.8	74.0	0.0	0.0	0.0	
25	17.0	26.8	22.4	73.3	0.0	0.0	0.0	
26	17.5	28.4	21.6	75.0	0.0	0.0	0.0	
27	17.0	28.0	21.8	75.0	0.0	0.0	0.0	
28	17.0	25.5	21.2	82.3	.4	0.0	.4	
29	17.5	25.4	20.8	80.7	1.1	2.3	3.4	
30	16.5	25.8	20.4	83.7	0.0	0.0	0.0	
31	15.6	27.2	20.9	78.7	0.0	6.9	6.9	
Total :					64.1	113.1	177.2	
Promedio :	16.3	25.7	20.3	82.6				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	26.7	20.6	87.0	0.0	8.5	8.5	
2	18.0	25.0	20.4	89.7	1.3	0.0	1.3	
3	16.0	27.0	20.6	75.3	0.0	0.0	0.0	
4	17.0	23.5	19.1	87.0	.2	0.0	.2	
5	16.7	24.0	18.8	91.7	0.0	0.0	0.0	
6	15.3	25.3	20.5	83.0	0.0	0.0	0.0	
7	17.4	25.0	18.5	89.7	7.4	35.8	43.2	
8	16.0	23.7	19.2	87.0	0.0	0.0	0.0	
9	15.7	26.2	20.0	81.0	.4	1.7	2.1	
10	14.5	27.0	21.1	75.3	0.0	.2	.2	
11	17.4	24.2	19.8	86.3	3.7	0.0	3.7	
12	15.8	26.8	20.5	83.7	0.0	.5	.5	
13	16.5	22.9	19.0	84.3	9.3	2.7	12.0	
14	16.4	25.5	20.0	81.7	0.0	.4	.4	
15	15.2	23.8	18.8	91.7	1.6	1.2	2.8	
16	15.5	24.0	19.4	86.3	6.7	0.0	6.7	
17	15.2	26.8	19.3	81.0	25.7	0.0	25.7	
18	16.5	20.0	17.2	93.3	6.9	0.0	6.9	
19	15.5	25.5	20.3	78.3	0.0	0.0	0.0	
20	16.5	25.6	20.5	80.3	1.7	17.8	19.5	
21	16.6	24.0	19.1	93.0	1.4	.2	1.6	
22	16.5	25.5	19.8	83.3	0.0	0.0	0.0	
23	15.5	24.8	19.6	80.0	0.0	0.0	0.0	
24	15.5	25.5	20.8	82.3	0.0	2.6	2.6	
25	15.6	25.0	20.2	82.7	0.0	3.3	3.3	
26	16.2	23.5	18.5	87.3	13.3	3.7	17.0	
27	15.5	24.6	19.4	84.3	.4	5.2	5.6	
28	15.4	23.3	18.7	88.0	2.3	0.0	2.3	
29	13.8	24.8	20.1	78.3	.5	.1	.6	
30	15.0	26.8	20.9	72.7	0.0	7.2	7.2	
31								
Total :					82.8	91.1	173.9	
Promedio :	16.0	24.9	19.7	84.2				

Estación : PLANALTO
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 5 ° 1 'N
Longitud : 75 ° 36 'W
Altitud : 1425 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.5	25.8	19.8	81.7	0.0	1.4	1.4	
2	16.8	25.0	20.2	82.7	0.0	50.7	50.7	
3	15.3	23.0	18.6	87.7	.7	2.5	3.2	
4	16.0	25.4	20.8	77.0	0.0	0.0	0.0	
5	15.8	26.4	20.7	75.3	0.0	.3	.3	
6	17.0	24.7	20.0	83.3	.3	2.3	2.6	
7	16.0	25.2	20.0	81.7	.1	62.4	62.5	
8	15.8	25.2	20.2	82.3	0.0	11.3	11.3	
9	14.5	24.8	19.2	84.0	6.3	0.0	6.3	
10	15.7	27.3	20.8	77.0	0.0	0.0	0.0	
11	17.0	27.0	21.3	79.3	0.0	8.7	8.7	
12	16.5	25.2	19.9	87.3	0.0	0.0	0.0	
13	16.0	26.8	21.0	78.7	0.0	0.0	0.0	
14	16.0	28.8	21.4	72.7	0.0	0.0	0.0	
15	15.8	28.5	21.6	73.0	0.0	0.0	0.0	
16	16.2	25.0	19.8	88.0	.9	0.0	.9	
17	14.6	26.0	21.2	76.0	0.0	.8	.8	
18	15.5	27.2	20.6	78.3	0.0	17.3	17.3	
19	15.8	26.4	20.1	81.7	0.0	14.4	14.4	
20	16.0	26.0	20.0	84.0	0.0	0.0	0.0	
21	16.8	28.0	21.8	74.7	0.0	0.0	0.0	
22	16.4	27.2	21.0	79.3	1.6	.1	1.7	
23	17.0	26.5	19.6	81.0	.8	1.0	1.8	
24	15.0	26.7	21.4	74.3	0.0	0.0	0.0	
25	16.3	28.3	22.4	75.0	0.0	0.0	0.0	
26	17.1	26.0	21.2	81.7	0.0	5.7	5.7	
27	17.0	27.2	21.0	80.0	1.0	.7	1.7	
28	17.5	26.0	21.0	81.3	0.0	0.0	0.0	
29	18.0	25.2	20.8	83.3	1.5	0.0	1.5	
30	15.7	28.0	21.5	73.7	0.0	2.1	2.1	
31	16.1	27.4	19.4	85.0	11.3	0.0	11.3	
Total :					24.5	181.7	206.2	
Promedio :	16.2	26.3	20.6	80.0				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.3	27.9	21.4	75.7	0.0	.4	.4	
2	16.8	24.8	20.8	80.0	.2	11.6	11.8	
3	16.0	23.6	19.2	85.7	.2	0.0	.2	
4	16.0	26.0	20.0	82.3	0.0	1.4	1.4	
5	16.4	27.2	20.5	79.0	0.0	0.0	0.0	
6	15.8	26.0	20.9	77.7	0.0	51.4	51.4	
7	15.0	24.6	19.0	84.0	0.0	4.4	4.4	
8	16.7	26.2	20.0	83.0	.1	17.0	17.1	
9	16.0	25.0	19.6	85.0	0.0	0.0	0.0	
10	15.0	27.0	20.2	76.3	0.0	0.0	0.0	
11	16.5	26.0	20.8	79.7	.3	0.0	.3	
12	16.8	27.8	21.3	77.7	.2	8.8	9.0	
13	16.4	26.2	19.4	87.7	.8	.9	1.7	
14	16.7	25.2	19.6	88.0	.4	34.6	35.0	
15	15.5	24.7	20.2	83.7	0.0	0.0	0.0	
16	15.2	27.4	20.7	78.3	0.0	17.1	17.1	
17	16.1	25.4	20.4	81.7	0.0	0.0	0.0	
18	16.5	25.0	19.8	83.3	3.5	13.8	17.3	
19	16.0	25.8	20.5	80.7	0.0	0.0	0.0	
20	16.0	27.6	19.4	76.0	0.0	22.0	22.0	
21	15.5	20.8	17.5	91.7	0.0	0.0	0.0	
22	14.0	24.8	19.4	82.7	.4	0.0	.4	
23	14.1	24.0	18.6	86.7	1.4	0.0	1.4	
24	14.0	24.2	19.0	85.3	.2	0.0	.2	
25	14.8	22.2	17.9	89.7	1.1	3.2	4.3	
26	15.0	25.8	19.2	86.3	.6	21.4	22.0	
27	16.1	23.8	19.0	88.0	1.1	.9	2.0	
28	16.0	24.2	19.2	90.0	.6	.6	1.2	
29	15.0	27.0	21.5	76.3	0.0	60.5	60.5	
30	14.8	27.4	19.5	86.3	0.0	0.0	0.0	
31	15.0	26.3	20.8	76.0	0.0	3.4	3.4	
Total :					11.1	273.4	284.5	
Promedio :	15.6	25.5	19.8	82.7				

Estación : PLANALTO
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 5 ° 1 'N
Longitud : 75 ° 36 'W
Altitud : 1425 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.2	27.0	19.3	86.7	1.6	.7	2.3	
2	16.3	24.4	19.6	86.3	0.0	0.0	0.0	
3	17.0	25.0	20.0	84.0	0.0	0.0	0.0	
4	15.2	25.7	19.7	85.3	.1	.2	.3	
5	16.4	23.0	18.4	93.3	2.3	0.0	2.3	
6	15.6	26.9	20.6	74.3	0.0	0.0	0.0	
7	14.5	26.0	19.6	88.3	.2	12.3	12.5	
8	16.0	25.2	19.6	86.3	.8	0.0	.8	
9	15.5	25.4	19.7	84.0	9.9	41.3	51.2	
10	15.5	23.0	19.0	87.7	0.0	0.0	0.0	
11	15.7	24.8	18.0	91.0	33.0	0.0	33.0	
12	16.0	22.5	17.9	87.7	6.1	1.0	7.1	
13	15.2	24.0	18.5	89.0	.7	6.5	7.2	
14	15.0	23.2	17.6	91.7	.6	0.0	.6	
15	15.4	26.4	20.0	81.3	0.0	0.0	0.0	
16	15.2	28.0	21.0	79.0	0.0	12.8	12.8	
17	16.5	23.5	19.2	87.7	0.0	0.0	0.0	
18	14.7	26.8	20.5	81.0	0.0	0.0	0.0	
19	16.4	27.0	21.0	82.7	0.0	9.5	9.5	
20	16.0	25.6	19.2	88.7	.2	0.0	.2	
21	15.0	25.0	19.8	79.7	0.0	12.8	12.8	
22	15.5	23.6	19.0	87.7	.5	0.0	.5	
23	15.5	25.0	17.8	92.3	31.6	0.0	31.6	
24	14.5	24.8	19.6	85.7	26.0	2.0	28.0	
25	16.6	25.0	19.4	86.0	.9	23.1	24.0	
26	15.8	24.6	18.9	86.7	8.0	13.0	21.0	
27	16.0	23.0	18.2	91.7	8.3	2.5	10.8	
28	15.9	23.3	18.6	87.7	3.0	.1	3.1	
29	15.6	23.4	18.8	83.3	0.0	0.0	0.0	
30	15.0	25.0	18.2	92.0	1.8	5.3	7.1	
31								
Total					135.6	143.1	278.7	
Promedio :	15.7	24.9	19.2	86.3				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.8	21.5	18.3	89.0	.3	9.2	9.5	
2	14.8	24.6	18.5	90.7	0.0	0.0	0.0	
3	16.5	27.8	21.1	79.7	.2	.3	.5	
4	16.2	24.0	18.4	88.0	5.5	0.0	5.5	
5	15.0	25.2	19.4	82.7	0.0	39.0	39.0	
6	14.4	22.5	17.0	87.0	26.1	.3	26.4	
7	13.8	25.4	18.4	80.7	.3	0.0	.3	
8	14.0	26.5	20.2	79.0	0.0	0.0	0.0	
9	16.8	24.5	20.0	84.3	.6	.1	.7	
10	15.4	23.8	20.0	87.3	.3	44.0	44.3	
11	16.0	25.0	20.1	89.0	0.0	0.0	0.0	
12	16.2	26.0	20.4	85.0	0.0	0.0	0.0	
13	15.2	25.6	20.1	84.0	.5	0.0	.5	
14	16.5	27.0	21.7	82.0	0.0	0.0	0.0	
15	16.8	26.0	19.4	85.0	.1	39.4	39.5	
16	16.0	24.2	19.1	85.7	0.0	0.0	0.0	
17	16.0	22.7	16.8	90.0	32.1	0.0	32.1	
18	13.7	27.3	20.1	74.7	0.0	9.4	9.4	
19	15.5	25.0	20.0	82.0	0.0	0.0	0.0	
20	17.0	24.0	19.1	87.7	1.3	0.0	1.3	
21	16.4	24.1	19.6	87.7	1.2	0.0	1.2	
22	15.6	24.2	19.8	88.7	2.3	13.8	16.1	
23	16.2	23.0	19.9	87.7	.2	.1	.3	
24	17.0	26.4	19.6	84.7	.7	1.1	1.8	
25	16.8	23.6	19.0	97.0	1.3	0.0	1.3	
26	17.0	24.2	20.2	86.7	0.0	36.1	36.1	
27	16.0	25.2	19.2	87.7	.3	0.0	.3	
28	16.8	23.0	18.4	91.7	2.1	0.0	2.1	
29	14.0	25.2	20.0	87.7	.1	14.1	14.2	
30	15.7	23.4	18.4	93.0	0.0	0.0	0.0	
31	14.5	24.8	19.7	81.3	0.0	0.0	0.0	
Total					75.5	206.9	282.4	
Promedio :	15.7	24.7	19.4	86.0				

Estación : PLANALTO
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 5 ° 1 'N
Longitud : 75 ° 36 'W
Altitud : 1425 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.5	27.0	19.5	81.7	44.1	0.0	44.1	
2	15.8	26.5	19.9	82.3	6.8	1.9	8.7	
3	16.3	24.0	19.6	84.7	0.0	.8	.8	
4	16.8	26.2	19.8	86.3	0.0	19.0	19.0	
5	16.9	26.8	21.0	83.0	0.0	.9	.9	
6	17.5	25.0	20.3	85.3	0.0	0.0	0.0	
7	17.4	21.8	18.4	94.0	4.7	4.7	9.4	
8	17.2	23.1	19.8	89.0	.1	5.5	5.6	
9	17.0	26.9	20.6	82.7	.7	30.7	31.4	
10	16.6	27.4	20.0	84.0	20.1	21.2	41.3	
11	15.8	24.8	18.8	94.7	.1	.2	.3	
12	15.7	26.4	19.9	87.0	16.0	23.7	39.7	
13	16.0	24.6	19.4	91.7	1.3	0.0	1.3	
14	16.0	27.2	21.8	78.3	0.0	41.9	41.9	
15	16.0	23.0	19.0	84.3	0.0	0.0	0.0	
16	14.0	26.8	20.4	78.0	1.0	3.3	4.3	
17	14.6	26.9	20.6	79.3	0.0	44.3	44.3	
18	16.1	21.4	18.3	88.7	1.0	.4	1.4	
19	16.0	23.4	19.4	85.7	0.0	13.4	13.4	
20	16.5	24.4	19.2	85.3	4.9	6.6	11.5	
21	15.7	24.0	18.8	93.3	7.9	1.9	9.8	
22	16.0	21.4	17.8	96.7	2.7	0.0	2.7	
23	15.4	25.4	19.2	85.0	.2	19.9	20.1	
24	15.2	23.4	17.8	89.7	5.5	7.4	12.9	
25	15.8	25.4	18.0	85.7	2.0	0.0	2.0	
26	15.2	26.2	20.3	80.7	0.0	.2	.2	
27	16.0	27.5	20.8	81.3	0.0	0.0	0.0	
28	17.5	26.9	21.0	79.7	0.0	0.0	0.0	
29	16.0	26.2	20.9	73.7	0.0	6.1	6.1	
30	17.0	24.7	19.6	86.3	.9	.6	1.5	
31								
Total :					120.0	254.6	374.6	
Promedio :	16.1	25.2	19.7	85.3				

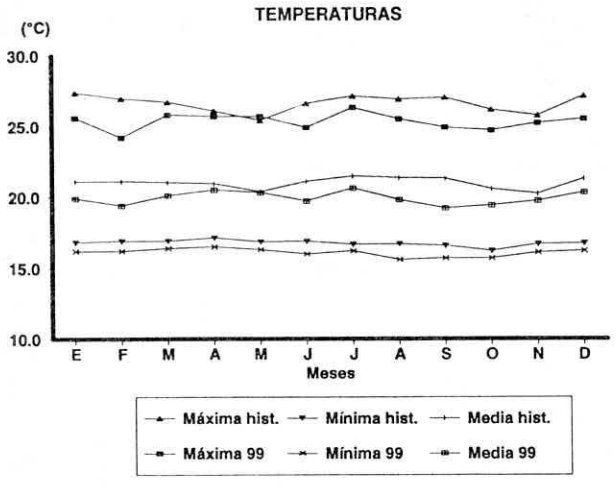
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.7	18.6	17.4	95.7	18.7	.2	18.9	
2	15.5	24.9	21.7	84.7	1.1	8.4	9.5	
3	16.0	22.5	19.7	90.0	0.0	2.7	2.7	
4	16.0	25.5	20.3	86.3	4.8	15.1	19.9	
5	16.5	26.0	20.0	85.7	0.0	0.0	0.0	
6	17.4	25.0	19.5	87.3	3.5	0.0	3.5	
7	16.0	25.0	20.4	83.0	.1	1.2	1.3	
8	16.1	27.1	21.4	82.7	4.0	1.1	5.1	
9	16.5	29.0	21.6	76.7	0.0	16.2	16.2	
10	17.0	24.0	19.6	85.7	0.0	0.0	0.0	
11	15.3	27.0	20.1	82.0	.5	4.6	5.1	
12	17.0	24.8	19.2	87.0	4.5	18.7	23.2	
13	16.2	24.8	19.6	84.3	0.0	21.3	21.3	
14	16.7	27.0	19.7	86.3	2.5	6.2	8.7	
15	16.7	25.4	20.0	87.3	.8	2.9	3.7	
16	16.3	26.0	20.2	88.7	0.0	12.9	12.9	
17	16.0	25.6	20.6	85.7	0.0	11.0	11.0	
18	17.0	25.5	21.1	86.7	0.0	6.4	6.4	
19	17.3	27.0	21.9	83.7	0.0	0.0	0.0	
20	18.5	26.6	20.8	87.0	.4	5.5	5.9	
21	17.9	26.7	21.1	85.3	0.0	3.8	3.8	
22	17.9	24.4	20.4	88.7	0.0	0.0	0.0	
23	15.2	25.9	20.4	89.0	1.6	9.6	11.2	
24	15.5	23.9	18.7	92.3	24.0	0.0	24.0	
25	15.5	23.8	19.4	89.7	0.0	0.0	0.0	
26	13.6	27.0	20.7	88.3	0.0	0.0	0.0	
27	16.0	26.0	20.1	74.7	0.0	0.0	0.0	
28	14.5	26.2	20.1	78.0	0.0	0.0	0.0	
29	14.5	24.2	19.8	80.0	0.0	0.0	0.0	
30	14.9	29.0	21.0	74.3	0.0	0.0	0.0	
31	17.0	27.2	22.2	83.0	0.0	2.3	2.3	
Total :					66.5	150.1	216.6	
Promedio :	16.2	25.5	20.3	85.2				

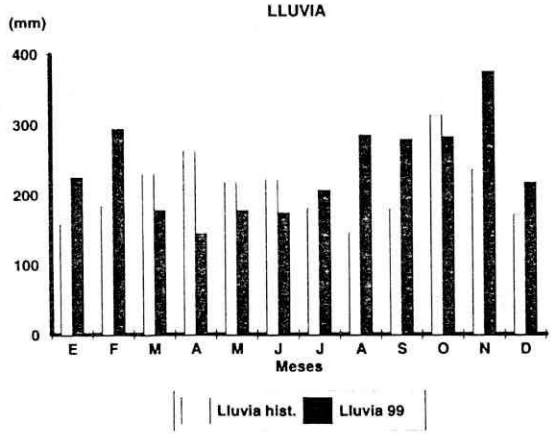
Estación : PLANALTO
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 5 ° 1 'N
Longitud : 75 ° 36 'W
Altitud : 1425 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	16.2	25.6	19.9	28.4	13.8	84.5	224.5	25	
Febrero	16.2	24.2	19.4	28.2	14.5	86.7	293.4	23	
Marzo	16.4	25.8	20.1	29.4	14.6	82.8	177.2	18	
Abril	16.5	25.7	20.5	29.3	15.0	82.6	144.5	21	
Mayo	16.3	25.7	20.3	28.4	14.0	82.6	177.2	19	
Junio	16.0	24.9	19.7	27.0	13.8	84.2	173.9	23	
Julio	16.2	26.3	20.6	28.8	14.5	80.0	206.2	20	
Agosto	15.6	25.5	19.8	27.9	14.0	82.7	284.5	23	
Septiembre	15.7	24.9	19.2	28.0	14.5	86.3	278.7	22	
Octubre	15.7	24.7	19.4	27.8	13.7	86.0	282.4	22	
Noviembre	16.1	25.2	19.7	27.5	14.0	85.3	374.6	26	
Diciembre	16.2	25.5	20.3	29.0	13.6	85.2	216.6	21	
Promedio :	16.1	25.3	19.9			84.1			
Absoluta :				29.4	13.6				
Total :							2833.7	263	





Estación : CENICAFE
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 5 ° 0 'N
Longitud : 75 ° 36 'W
Altitud : 1310 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	27.6	21.6	80.7	0.0	2.1	2.1	4.3
2	17.4	27.4	20.4	88.3	16.2	1.6	17.8	3.8
3	16.0	26.7	20.4	78.7	.1	.3	.4	5.4
4	17.7	27.2	22.0	74.0	0.0	.4	.4	5.1
5	17.0	24.7	20.2	85.3	.4	18.3	18.7	1.8
6	16.0	28.0	20.4	81.7	0.0	0.0	0.0	5.6
7	16.5	28.0	20.6	77.0	0.0	30.7	30.7	6.8
8	17.0	25.5	20.2	83.0	0.0	23.1	23.1	2.2
9	16.0	24.0	18.6	89.0	.1	0.0	.1	.5
10	16.0	24.0	18.2	87.3	43.7	4.5	48.2	2.4
11	15.6	26.0	19.7	83.7	0.0	0.0	0.0	1.1
12	15.4	24.4	19.4	83.7	.4	0.0	.4	.5
13	15.4	26.1	20.0	77.7	0.0	1.1	1.1	6.6
14	15.4	25.6	19.4	79.3	0.0	10.6	10.6	.8
15	15.6	26.7	19.8	76.0	0.0	2.7	2.7	8.3
16	15.1	21.8	17.5	91.3	2.8	0.0	2.8	.6
17	13.9	27.2	19.5	76.7	0.0	0.0	0.0	8.3
18	15.8	27.0	20.8	75.0	0.0	19.9	19.9	5.3
19	15.8	27.0	21.2	72.7	0.0	18.6	18.6	6.8
20	17.0	25.5	19.4	78.7	0.0	1.0	1.0	3.6
21	15.2	28.0	20.5	72.7	0.0	3.0	3.0	6.7
22	15.8	26.2	19.8	82.3	0.0	.1	.1	3.1
23	17.0	27.0	20.8	77.7	0.0	16.7	16.7	4.1
24	17.0	24.3	19.8	86.3	0.0	2.6	2.6	.4
25	17.0	28.0	19.9	92.0	.7	4.9	5.6	2.6
26	16.9	29.0	20.3	80.0	1.7	1.4	3.1	5.1
27	17.3	25.0	19.6	85.7	5.7	.3	6.0	2.0
28	16.6	23.0	18.9	91.3	1.2	0.0	1.2	.3
29	15.9	28.0	21.2	74.7	0.0	0.0	0.0	6.6
30	16.8	29.0	21.8	73.3	0.0	38.4	38.4	6.4
31	17.0	26.0	21.1	82.0	0.0	0.0	0.0	3.4
Total :					73.0	202.3	275.3	120.5
Promedio :	16.3	26.3	20.1	81.2				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	26.3	21.4	79.7	0.0	13.4	13.4	2.2
2	17.8	26.7	21.2	80.7	2.6	2.3	4.9	3.9
3	17.5	28.0	21.1	77.7	.3	13.8	14.1	4.1
4	17.0	24.0	20.3	85.3	2.4	0.0	2.4	1.1
5	17.0	25.7	19.2	80.0	0.0	10.6	10.6	.7
6	16.6	23.1	19.9	84.0	0.0	38.8	38.8	.9
7	16.2	24.2	19.9	85.7	.3	0.0	.3	.2
8	16.5	29.2	21.8	74.0	0.0	.8	.8	7.6
9	17.0	29.2	21.8	73.7	0.0	.1	.1	7.4
10	17.8	21.2	19.0	91.0	.2	.4	.6	0.0
11	15.8	27.8	21.0	73.0	0.0	27.0	27.0	6.0
12	16.5	24.9	19.8	87.3	.2	0.0	.2	1.6
13	16.1	23.2	18.8	88.3	1.0	0.0	1.0	0.0
14	15.4	23.7	18.3	92.0	3.5	0.0	3.5	1.5
15	15.9	22.1	17.9	95.3	16.4	.1	16.5	.7
16	15.5	24.0	18.6	84.7	0.0	8.5	8.5	1.4
17	15.9	20.5	17.6	94.0	16.2	1.4	17.6	0.0
18	15.2	23.9	18.2	86.3	12.2	0.0	12.2	4.1
19	15.0	24.2	18.0	82.7	7.3	21.8	29.1	4.7
20	15.0	20.8	18.3	89.3	.2	0.0	.2	.4
21	14.5	24.4	18.6	84.7	1.5	7.5	9.0	1.9
22	15.0	25.3	19.2	80.7	.5	1.1	1.6	2.4
23	17.2	23.4	19.4	82.3	.4	40.1	40.5	1.5
24	17.0	24.2	18.8	87.7	.9	11.2	12.1	.2
25	15.7	25.2	19.9	83.0	0.0	0.0	0.0	1.8
26	17.0	28.3	21.8	77.0	0.0	50.5	50.5	5.1
27	15.4	25.3	19.6	87.3	1.0	1.8	2.8	3.6
28	16.6	24.0	19.2	87.3	13.0	7.6	20.6	.8
29								
30								
31								
Total :					80.1	258.8	338.9	65.8
Promedio :	16.3	24.7	19.6	84.1				

Estación : CENICAFE
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 5 ° 0 'N
Longitud : 75 ° 36 'W
Altitud : 1310 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.3	23.3	18.2	87.0	.2	0.0	.2	.4
2	15.5	26.2	20.3	78.0	0.0	0.0	0.0	4.3
3	16.8	26.6	20.7	77.3	0.0	0.0	0.0	5.3
4	16.6	25.0	19.2	86.3	0.0	0.0	0.0	1.1
5	16.0	28.4	21.2	68.7	0.0	0.0	0.0	8.4
6	15.9	28.0	21.1	74.7	0.0	0.0	0.0	6.6
7	15.2	26.2	19.6	79.7	.1	0.0	.1	3.7
8	15.0	28.3	21.0	79.0	8.0	0.0	8.0	6.4
9	17.2	25.8	19.0	85.7	13.4	.4	13.8	1.3
10	15.6	26.3	20.0	79.7	.6	1.7	2.3	4.3
11	14.0	26.5	20.6	78.7	0.0	0.0	0.0	4.0
12	16.0	28.0	21.4	72.0	0.0	0.0	0.0	3.8
13	16.0	25.0	18.9	84.0	.1	0.0	.1	1.9
14	14.6	25.6	20.2	75.7	.6	13.0	13.6	3.5
15	16.7	24.9	19.2	85.3	1.0	.1	1.1	1.6
16	16.2	25.0	19.4	82.3	0.0	18.0	18.0	2.8
17	15.8	27.7	19.8	82.0	0.0	46.1	46.1	5.8
18	15.7	26.6	18.4	83.0	0.0	2.4	2.4	3.8
19	15.8	22.9	18.0	91.0	47.1	7.6	54.7	1.0
20	14.5	25.0	18.8	80.7	0.0	.1	.1	2.8
21	15.2	25.3	18.6	83.7	.2	.1	.3	3.5
22	16.1	27.7	21.0	77.0	0.0	18.1	18.1	3.1
23	17.1	25.7	20.5	82.0	0.0	.2	.2	1.5
24	17.1	24.6	20.6	80.7	0.0	0.0	0.0	.9
25	16.9	28.0	22.3	72.3	0.0	0.0	0.0	6.7
26	16.6	28.0	21.3	71.0	0.0	0.0	0.0	4.2
27	17.7	24.0	20.2	87.0	3.3	1.6	4.9	.4
28	17.1	24.0	19.5	87.0	3.3	10.8	14.1	1.6
29	15.7	25.8	20.6	79.3	0.0	.3	.3	4.5
30	17.2	28.0	21.2	77.7	1.3	.1	1.4	4.2
31	17.0	28.8	21.5	72.7	0.0	0.0	0.0	6.0
Total :					79.2	120.6	199.8	109.4
Promedio :	16.1	26.2	20.1	80.0				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	27.0	20.9	77.7	0.0	0.0	0.0	2.1
2	17.2	28.5	22.2	76.7	0.0	9.4	9.4	5.8
3	15.8	20.6	18.2	88.7	0.0	0.0	0.0	0.0
4	14.4	26.3	20.0	79.0	3.1	6.3	9.4	4.4
5	14.7	28.2	20.8	77.7	0.0	11.1	11.1	7.3
6	15.2	28.5	21.5	74.7	0.0	0.0	0.0	7.0
7	17.5	26.5	20.5	85.0	0.0	4.4	4.4	2.1
8	17.2	25.5	19.9	83.0	10.6	8.2	18.8	3.6
9	16.8	25.5	19.6	85.0	1.3	0.0	1.3	1.8
10	15.9	25.0	18.4	86.0	9.2	6.7	15.9	.5
11	16.0	27.0	21.2	79.7	0.0	11.5	11.5	6.5
12	16.8	27.2	20.8	82.3	0.0	6.8	6.8	3.4
13	16.8	25.4	20.5	79.7	.3	0.0	.3	3.1
14	16.9	25.5	20.6	81.7	0.0	1.9	1.9	1.7
15	16.7	26.2	19.9	83.7	.6	0.0	.6	2.8
16	16.0	28.3	21.4	74.7	0.0	0.0	0.0	5.9
17	17.2	29.3	21.4	71.0	0.0	0.0	0.0	8.8
18	15.0	27.6	21.3	72.3	0.0	0.0	0.0	6.9
19	15.0	30.0	21.7	72.0	0.0	0.0	0.0	6.2
20	17.7	27.3	20.8	80.3	.3	0.0	.3	3.3
21	15.9	28.4	22.3	74.3	0.0	0.0	0.0	6.3
22	17.6	30.9	23.2	74.3	0.0	1.1	1.1	6.4
23	17.8	25.0	20.6	88.3	.2	.1	.3	0.0
24	17.8	23.0	19.0	92.7	5.9	1.5	7.4	1.0
25	16.4	24.5	19.4	82.3	.8	21.3	22.1	3.2
26	16.6	24.5	20.4	80.0	.3	5.5	5.8	.7
27	15.4	22.5	18.6	87.7	.2	0.0	.2	1.0
28	16.4	24.5	19.6	83.0	.6	0.0	.6	2.5
29	16.3	26.3	19.9	82.0	.1	5.4	5.5	4.3
30	16.4	22.8	18.0	93.7	16.6	0.0	16.6	.6
31								
Total :					50.1	101.2	151.3	109.2
Promedio :	16.4	26.3	20.4	81.0				

Estación : CENICAFE
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 5 ° 0 'N
Longitud : 75 ° 36 'W
Altitud : 1310 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	13.9	25.8	20.2	77.0	.1	.1	.2	5.3
2	16.2	23.0	19.8	86.7	1.5	0.0	1.5	.8
3	16.2	27.4	21.3	78.3	0.0	19.9	19.9	4.6
4	16.8	23.2	18.8	90.7	15.3	0.0	15.3	.6
5	16.0	27.0	20.2	83.0	.6	0.0	.6	4.7
6	16.0	26.0	20.9	80.7	7.8	8.0	15.8	5.6
7	16.3	24.3	20.6	87.3	.1	0.0	.1	3.5
8	15.4	26.2	19.4	82.0	.8	.3	1.1	3.3
9	16.0	24.0	19.0	85.3	1.7	20.7	22.4	.7
10	15.5	26.0	20.2	83.0	1.5	0.0	1.5	5.5
11	16.0	23.0	17.9	95.3	6.5	.2	6.7	1.5
12	15.0	24.8	19.4	86.7	.3	27.5	27.8	3.5
13	15.3	25.0	19.2	88.0	1.5	.2	1.7	2.1
14	15.5	28.5	21.4	75.0	.2	0.0	.2	4.4
15	15.5	27.0	21.1	79.7	0.0	0.0	0.0	4.8
16	17.4	29.4	23.4	69.0	0.0	31.4	31.4	8.3
17	16.8	28.4	21.1	77.3	0.0	0.0	0.0	8.0
18	17.3	26.0	21.4	78.0	0.0	.4	.4	1.6
19	16.9	27.0	20.1	83.3	7.5	0.0	7.5	3.4
20	15.7	27.7	20.4	85.0	1.4	2.9	4.3	5.7
21	17.0	27.0	21.1	83.3	4.0	0.0	4.0	4.3
22	17.7	26.2	20.8	84.7	.5	0.0	.5	2.3
23	17.5	29.3	22.8	80.0	0.0	0.0	0.0	8.8
24	17.6	29.7	22.8	75.0	0.0	0.0	0.0	8.0
25	17.6	28.3	22.1	76.7	0.0	0.0	0.0	4.7
26	18.0	30.0	22.4	72.7	0.0	0.0	0.0	8.7
27	17.2	29.6	22.2	73.3	0.0	0.0	0.0	6.1
28	17.5	27.2	21.8	79.7	.6	0.0	.6	3.4
29	17.5	26.8	21.0	83.3	1.5	1.1	2.6	0.0
30	16.5	27.0	22.1	78.0	0.0	0.0	0.0	4.7
31	16.0	29.0	21.9	73.3	0.0	16.1	16.1	6.8
Total :					53.4	128.8	182.2	135.7
Promedio :	16.4	26.8	20.9	81.0				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	27.0	20.8	87.7	0.0	6.3	6.3	3.7
2	18.0	25.8	20.6	89.0	1.4	0.0	1.4	1.5
3	16.4	27.9	20.8	78.0	0.0	0.0	0.0	4.9
4	16.8	24.3	19.4	87.3	1.2	3.4	4.6	.2
5	16.4	23.8	19.5	96.7	3.4	0.0	3.4	2.8
6	15.3	25.5	20.9	84.3	.2	0.0	.2	3.7
7	17.4	27.0	18.6	96.3	9.6	42.8	52.4	2.1
8	16.5	26.0	20.0	85.0	0.0	0.0	0.0	3.4
9	16.4	27.5	20.7	78.3	.7	2.3	3.0	4.2
10	15.0	27.5	21.0	78.3	0.0	.8	.8	6.7
11	17.0	25.5	20.3	87.7	9.7	0.0	9.7	2.3
12	16.0	28.0	21.0	86.7	0.0	.5	.5	5.8
13	16.9	24.0	19.4	90.7	7.8	2.3	10.1	.5
14	16.5	26.5	19.8	82.0	.3	.5	.8	0.0
15	16.0	24.6	19.3	90.3	5.1	.1	5.2	.1
16	16.0	26.5	19.7	84.7	3.3	.1	3.4	0.0
17	15.0	27.5	19.0	83.7	15.7	0.0	15.7	5.6
18	15.7	20.5	17.4	95.7	14.7	0.0	14.7	0.0
19	15.9	26.0	20.2	79.3	0.0	0.0	0.0	4.9
20	16.5	26.5	20.9	81.7	3.0	21.8	24.8	3.4
21	17.0	23.6	19.6	93.3	1.9	.4	2.3	.1
22	17.4	26.6	20.4	82.0	0.0	0.0	0.0	4.7
23	16.2	25.9	20.0	80.7	0.0	0.0	0.0	2.7
24	16.0	26.5	20.6	82.0	0.0	2.4	2.4	1.6
25	16.2	26.0	20.8	82.0	0.0	5.4	5.4	2.0
26	16.4	25.0	19.1	88.7	15.5	3.7	19.2	1.2
27	15.8	26.0	20.2	82.0	.3	4.4	4.7	2.7
28	16.0	24.3	20.2	86.3	2.2	0.0	2.2	.4
29	14.2	26.9	20.2	81.0	.5	0.0	.5	3.7
30	15.4	28.2	21.4	66.0	.2	9.3	9.5	7.4
31								
Total :					96.7	106.5	203.2	82.3
Promedio :	16.2	25.9	20.1	84.9				

Estación : CENICAFE
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 5 ° 0 'N
Longitud : 75 ° 36 'W
Altitud : 1310 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.8	26.0	21.0	82.0	0.0	1.6	1.6	3.8
2	16.8	25.1	21.1	84.3	0.0	39.9	39.9	3.4
3	15.2	24.0	19.4	89.0	1.0	3.0	4.0	2.1
4	16.0	26.5	21.1	79.7	0.0	0.0	0.0	6.1
5	16.0	27.7	20.6	76.7	.2	.3	.5	5.8
6	17.3	26.0	20.2	83.7	.3	2.2	2.5	3.4
7	16.8	27.0	20.9	83.3	.2	42.7	42.9	5.2
8	16.7	26.5	20.7	79.3	.1	29.8	29.9	2.7
9	15.0	25.8	19.4	88.3	6.2	0.0	6.2	4.7
10	16.0	28.5	21.6	74.0	0.0	0.0	0.0	8.4
11	17.5	27.5	21.2	79.3	0.0	15.2	15.2	6.1
12	16.8	26.3	20.3	85.3	0.0	3.9	3.9	4.6
13	16.6	28.8	21.5	75.0	0.0	0.0	0.0	6.3
14	16.8	30.0	21.7	71.7	0.0	0.0	0.0	8.4
15	17.0	29.5	22.4	72.7	0.0	1.7	1.7	8.9
16	17.5	26.6	20.8	90.0	1.1	0.0	1.1	4.9
17	16.2	27.2	21.1	76.3	0.0	1.3	1.3	4.5
18	16.5	28.5	23.0	78.0	0.0	19.8	19.8	6.7
19	16.0	28.6	20.6	81.3	0.0	12.8	12.8	6.1
20	16.9	27.5	21.2	82.3	0.0	0.0	0.0	6.3
21	17.8	29.5	22.2	75.0	0.0	0.0	0.0	8.3
22	16.8	28.0	20.8	80.7	6.8	.4	7.2	3.5
23	17.7	26.9	20.0	84.7	.7	1.2	1.9	4.1
24	15.6	28.5	22.2	76.0	0.0	0.0	0.0	7.9
25	17.2	29.6	22.8	68.7	0.0	0.0	0.0	6.5
26	17.8	28.1	22.0	77.3	0.0	6.2	6.2	3.4
27	18.2	27.7	22.0	78.7	.6	.8	1.4	5.1
28	17.0	26.4	21.5	82.0	0.0	.2	.2	4.3
29	18.2	26.4	21.7	86.0	1.6	0.0	1.6	2.0
30	15.7	31.8	22.2	75.0	0.0	2.1	2.1	7.9
31	17.0	30.0	20.7	82.7	15.3	0.0	15.3	5.7
Total :					34.1	185.1	219.2	167.1
Promedio :	16.8	27.6	21.2	80.0				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.8	30.4	22.1	78.0	0.0	.3	.3	6.0
2	17.5	26.4	22.9	78.7	.1	8.0	8.1	2.1
3	17.2	24.7	20.4	82.7	.5	0.0	.5	2.4
4	17.0	27.4	21.6	76.7	0.0	.7	.7	2.9
5	17.8	26.0	22.2	78.0	0.0	0.0	0.0	6.4
6	17.2	28.3	22.3	75.0	0.0	43.4	43.4	5.9
7	16.0	27.4	20.2	82.7	0.0	3.8	3.8	4.5
8	17.5	28.0	21.2	78.3	0.0	9.1	9.1	5.8
9	16.5	26.3	20.5	83.3	0.0	0.0	0.0	1.8
10	16.0	29.2	21.1	71.0	0.0	0.0	0.0	5.7
11	17.0	28.2	21.7	78.3	.5	0.0	.5	3.8
12	18.3	29.2	22.0	79.7	.1	6.9	7.0	4.3
13	17.3	27.0	20.2	86.7	.7	1.1	1.8	1.9
14	17.6	27.0	20.3	85.3	.2	24.5	24.7	3.7
15	16.1	26.6	20.2	85.0	0.0	0.0	0.0	5.0
16	16.0	28.7	21.4	75.0	0.0	21.2	21.2	6.4
17	17.0	27.0	20.5	88.0	0.0	0.0	0.0	6.1
18	17.2	26.6	20.6	83.7	4.8	7.8	12.6	1.8
19	17.1	27.0	21.0	82.7	0.0	0.0	0.0	3.5
20	17.0	28.6	21.0	80.3	10.9	25.2	36.1	7.3
21	17.0	22.0	18.3	90.7	5.6	0.0	5.6	0.0
22	14.8	25.0	20.1	80.0	.5	0.0	.5	1.7
23	14.7	25.6	19.2	92.0	1.8	0.0	1.8	4.3
24	15.2	26.0	19.8	89.3	.2	0.0	.2	4.5
25	15.5	24.3	19.2	88.3	1.1	3.0	4.1	0.0
26	16.5	27.2	20.2	84.0	.3	21.2	21.5	3.4
27	17.0	26.4	20.0	85.3	2.1	1.0	3.1	1.1
28	17.1	26.2	20.6	88.7	.9	1.0	1.9	1.7
29	16.0	29.2	22.2	76.3	0.0	45.3	45.3	7.8
30	15.6	28.3	21.2	81.0	0.0	0.0	0.0	5.5
31	16.5	28.8	21.7	82.0	0.0	1.8	1.8	5.5
Total :					30.3	225.3	255.6	122.8
Promedio :	16.6	27.1	20.8	82.2				

Estación : CENICAFE
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 5 ° 0 'N
Longitud : 75 ° 36 'W
Altitud : 1310 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.9	28.2	20.0	85.3	3.0	.6	3.6	4.4
2	17.3	26.5	21.0	83.3	.1	0.0	.1	2.2
3	17.7	26.3	21.0	83.0	0.0	0.0	0.0	1.8
4	16.3	27.5	20.2	83.7	0.0	.2	.2	2.1
5	17.2	24.7	19.7	87.3	2.4	0.0	2.4	1.2
6	16.4	29.0	20.7	77.7	0.0	0.0	0.0	6.4
7	15.5	27.5	20.0	87.7	.1	17.6	17.7	4.0
8	16.8	26.7	20.5	84.0	.6	0.0	.6	3.0
9	16.2	26.6	20.7	81.0	2.5	45.9	48.4	1.9
10	16.3	24.2	20.0	83.7	.1	0.0	.1	.7
11	16.5	26.0	18.7	90.0	5.5	18.4	23.9	3.3
12	16.7	24.2	19.0	88.3	7.5	2.5	10.0	1.2
13	15.8	24.0	18.8	86.3	1.3	9.2	10.5	3.0
14	15.4	24.0	18.2	91.7	.6	0.0	.6	.9
15	15.8	27.4	20.4	81.0	0.0	0.0	0.0	4.5
16	15.0	28.6	21.0	78.0	6.0	12.0	18.0	6.2
17	16.2	23.8	19.2	86.3	0.0	0.0	0.0	.5
18	14.4	26.9	20.7	81.0	0.0	0.0	0.0	4.9
19	15.9	28.0	21.2	82.0	0.0	10.0	10.0	5.0
20	15.3	27.0	20.0	88.0	.1	0.0	.1	6.0
21	15.6	27.2	20.3	78.3	0.0	16.2	16.2	3.8
22	15.8	25.4	19.7	84.3	.5	0.0	.5	2.0
23	15.8	26.4	17.6	90.7	28.7	0.0	28.7	2.5
24	15.8	26.9	20.5	81.3	.7	1.1	1.8	4.9
25	16.9	25.2	19.7	84.7	2.8	23.3	26.1	1.1
26	15.8	26.3	19.7	85.0	.5	27.9	28.4	2.0
27	16.3	25.0	19.4	86.3	18.1	2.3	20.4	1.5
28	16.0	24.5	19.6	84.7	.8	2.6	3.4	.6
29	16.4	24.9	19.8	83.3	0.0	0.0	0.0	1.0
30	15.7	26.8	18.7	93.0	.7	23.9	24.6	3.9
31								
Total :					82.6	213.7	296.3	86.5
Promedio :	16.2	26.2	19.9	84.7				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	22.0	19.3	89.0	.1	3.4	3.5	0.0
2	15.0	25.6	20.2	89.0	0.0	0.0	0.0	2.4
3	16.2	29.0	22.0	74.0	0.0	.6	.6	4.7
4	17.0	25.0	19.0	90.7	4.9	0.0	4.9	1.8
5	15.4	27.5	19.9	82.3	0.0	39.2	39.2	3.2
6	15.0	23.5	17.7	86.7	27.5	.1	27.6	.4
7	14.3	25.5	18.6	79.0	.8	.3	1.1	2.9
8	15.5	28.5	21.4	78.7	.2	0.0	.2	5.8
9	17.4	26.1	21.2	82.7	.7	.2	.9	2.0
10	15.5	25.3	20.4	85.7	16.8	38.9	55.7	1.3
11	15.8	27.0	20.2	83.0	0.0	0.0	0.0	4.2
12	17.3	27.5	21.2	76.3	0.0	0.0	0.0	3.8
13	15.6	27.0	20.2	88.7	.3	0.0	.3	6.1
14	17.5	28.0	21.6	80.0	0.0	0.0	0.0	4.9
15	17.5	27.2	21.3	82.3	0.0	51.6	51.6	2.3
16	16.4	26.0	20.0	84.3	0.0	0.0	0.0	2.4
17	16.0	23.5	17.5	91.0	17.8	0.0	17.8	1.1
18	14.3	28.5	20.7	74.0	0.0	8.4	8.4	6.7
19	16.0	25.6	20.2	79.3	0.0	.4	.4	2.8
20	17.3	25.0	19.4	86.3	1.6	0.0	1.6	.7
21	16.0	25.6	20.0	83.7	1.8	0.0	1.8	.7
22	15.8	24.7	19.8	84.0	4.6	14.5	19.1	1.5
23	16.0	24.9	20.3	85.7	0.0	.2	.2	.8
24	17.0	27.0	20.3	84.7	7.0	0.0	7.0	4.3
25	17.0	24.4	19.2	93.7	1.1	0.0	1.1	1.6
26	16.7	25.4	20.4	86.7	0.0	26.7	26.7	2.8
27	16.0	25.0	19.1	88.0	1.3	.2	1.5	1.8
28	16.6	23.0	18.3	90.3	4.8	0.0	4.8	.8
29	14.0	25.9	19.9	85.7	.1	11.6	11.7	6.0
30	16.0	24.0	18.2	92.3	.3	0.0	.3	.8
31	14.7	25.7	20.1	80.7	0.0	0.0	0.0	2.8
Total :					91.7	196.3	288.0	83.4
Promedio :	16.0	25.8	19.9	84.5				

Estación : CENICAFE
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 5 ° 0 'N
Longitud : 75 ° 36 'W
Altitud : 1310 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	28.0	19.9	81.7	36.4	0.0	36.4	3.9
2	16.2	28.5	20.5	80.3	11.1	6.1	17.2	6.1
3	17.2	25.0	20.4	83.7	0.0	2.9	2.9	2.7
4	17.2	27.5	20.9	86.0	12.9	11.3	24.2	4.6
5	17.0	28.0	21.2	82.7	0.0	7.9	7.9	6.8
6	17.4	25.0	20.4	87.7	0.0	0.0	0.0	2.1
7	17.2	22.4	18.9	95.0	10.4	4.9	15.3	.6
8	17.7	25.0	20.6	86.0	.2	9.3	9.5	.8
9	18.0	28.7	21.4	84.3	5.0	30.9	35.9	5.4
10	17.8	28.5	21.0	83.7	3.6	16.5	20.1	5.2
11	16.6	25.6	19.4	94.3	.2	.6	.8	.9
12	16.5	27.2	20.6	84.7	11.8	19.7	31.5	4.4
13	16.8	26.0	19.8	93.0	2.4	.1	2.5	1.4
14	16.2	28.0	22.2	80.7	.1	26.2	26.3	7.3
15	17.0	24.5	20.0	86.0	0.0	0.0	0.0	1.1
16	15.0	28.0	21.4	77.3	0.0	1.6	1.6	7.6
17	15.0	29.0	21.3	82.7	0.0	33.4	33.4	8.5
18	17.0	22.5	19.3	89.7	1.7	.6	2.3	.4
19	16.0	25.0	20.1	85.3	0.0	15.1	15.1	.8
20	17.0	27.4	20.2	84.0	6.4	4.0	10.4	1.7
21	16.0	25.0	19.7	91.0	2.8	2.5	5.3	3.2
22	16.3	23.0	18.1	95.0	8.7	0.0	8.7	.2
23	15.5	27.7	20.1	82.7	.3	14.2	14.5	6.0
24	15.2	24.2	19.1	87.3	4.6	6.7	11.3	1.7
25	16.5	27.3	19.0	83.7	1.8	0.0	1.8	4.8
26	15.5	27.8	20.8	79.7	0.0	.2	.2	7.5
27	16.0	28.8	21.5	80.7	0.0	.4	.4	7.3
28	17.8	27.0	21.4	81.0	0.0	0.0	0.0	3.4
29	16.7	28.0	21.6	75.7	0.0	4.9	4.9	5.3
30	17.5	25.8	20.0	86.3	1.6	.4	2.0	2.3
31								
Total :					122.0	220.4	342.4	114.0
Promedio :	16.6	26.5	20.4	85.1				

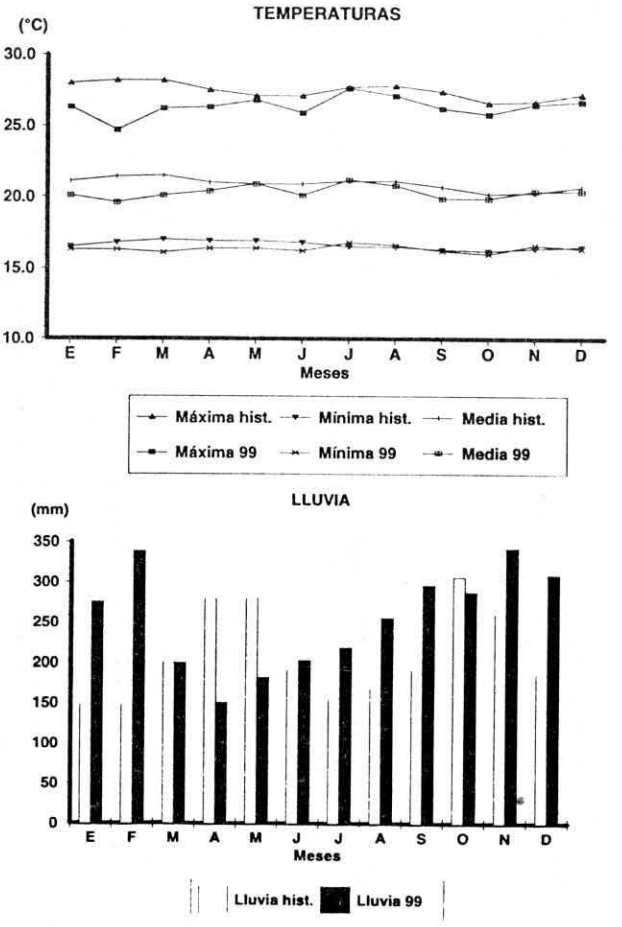
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.2	19.8	18.0	95.7	12.4	.1	12.5	0.0
2	15.9	26.4	20.0	83.7	0.0	9.1	9.1	3.0
3	16.4	23.8	19.9	89.7	0.0	1.8	1.8	.4
4	16.5	26.5	20.7	82.0	4.8	15.6	20.4	1.9
5	16.8	26.7	20.3	85.7	0.0	0.0	0.0	4.1
6	17.5	26.2	20.0	85.7	6.7	0.0	6.7	3.0
7	16.4	26.0	20.6	81.3	.3	2.0	2.3	5.3
8	15.8	28.0	21.6	79.0	0.0	16.5	16.5	7.0
9	16.7	29.5	21.7	80.0	0.0	34.7	34.7	9.5
10	17.0	25.0	19.6	84.3	0.0	0.0	0.0	2.0
11	15.8	27.0	20.0	83.0	1.7	3.3	5.0	5.4
12	17.0	24.3	19.2	86.7	0.0	25.0	25.0	1.4
13	16.3	25.3	19.9	84.0	0.0	39.0	39.0	1.7
14	16.8	27.0	20.3	84.7	3.7	8.3	12.0	4.4
15	16.9	27.5	20.2	87.7	.5	17.0	17.5	2.8
16	16.4	26.5	20.1	87.7	0.0	17.8	17.8	3.4
17	16.0	26.3	20.3	85.3	0.0	11.8	11.8	2.9
18	17.0	26.4	21.1	86.3	0.0	12.8	12.8	3.5
19	17.5	28.0	21.6	84.3	0.0	.8	.8	6.2
20	18.2	27.5	20.8	86.7	1.1	1.3	2.4	4.1
21	18.2	28.3	21.5	84.3	3.2	7.2	10.4	6.0
22	18.0	26.9	20.8	86.3	0.0	2.4	2.4	1.5
23	15.7	28.0	20.1	80.7	.7	14.5	15.2	6.6
24	15.6	25.0	19.2	86.0	1.4	17.9	19.3	1.2
25	15.8	25.5	20.1	87.3	0.0	0.0	0.0	3.1
26	14.0	28.0	21.3	77.7	0.0	0.0	0.0	7.3
27	16.5	29.0	20.7	76.7	0.0	0.0	0.0	6.6
28	15.0	29.0	20.2	81.0	0.0	0.0	0.0	7.5
29	15.0	26.5	19.8	78.3	0.0	0.0	0.0	6.4
30	15.0	29.8	21.0	72.7	0.0	.5	.5	8.2
31	16.5	29.0	21.8	80.7	0.0	13.2	13.2	7.3
Total :					36.5	272.6	309.1	133.7
Promedio :	16.4	26.7	20.4	83.7				

Estación : CENICAFE
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 5 ° 0 'N
Longitud : 75 ° 36 'W
Altitud : 1310 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	16.3	26.3	20.1	29.0	13.9	81.2	275.3	26	120.5
Febrero	16.3	24.7	19.6	29.2	14.5	84.1	338.9	27	65.8
Marzo	16.1	26.2	20.1	28.8	14.0	80.0	199.8	20	109.4
Abril	16.4	26.3	20.4	30.9	14.4	81.0	151.3	22	109.2
Mayo	16.4	26.8	20.9	30.0	13.9	81.0	182.2	23	135.7
Junio	16.2	25.9	20.1	28.2	14.2	84.9	203.2	25	82.3
Julio	16.8	27.6	21.2	31.8	15.0	80.0	219.2	23	167.1
Agosto	16.6	27.1	20.8	30.4	14.7	82.2	255.6	24	122.8
Septiembre	16.2	26.2	19.9	29.0	14.4	84.7	296.3	24	86.5
Octubre	16.0	25.8	19.9	29.0	14.0	84.5	288.0	25	83.4
Noviembre	16.6	26.5	20.4	29.0	15.0	85.1	342.4	27	114.0
Diciembre	16.4	26.7	20.4	29.8	14.0	83.7	309.1	24	133.7
Promedio :	16.4	26.3	20.3			82.7			
Absoluta :				31.8	13.9				
Total :							3061.3	290	1330.4



Estación : NARANJAL
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 4 ° 59 'N
Longitud : 75 ° 39 'W
Altitud : 1400 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.8	28.0	22.0	77.0	0.0	2.4	2.4	4.2
2	17.8	26.9	20.8	79.3	5.2	.7	5.9	4.0
3	16.5	26.4	20.7	76.7	0.0	1.9	1.9	4.8
4	18.3	26.7	21.5	75.3	4.6	0.0	4.6	3.5
5	18.1	23.8	20.0	85.7	.6	.9	1.5	1.3
6	17.1	27.3	20.8	79.7	0.0	0.0	0.0	4.6
7	16.8	27.7	20.8	72.7	0.0	17.7	17.7	7.1
8	18.2	24.7	20.2	82.3	1.5	13.1	14.6	.9
9	17.0	23.7	19.8	85.3	.3	0.0	.3	.5
10	17.6	24.7	19.2	82.3	45.4	1.5	46.9	1.3
11	16.8	24.5	19.3	84.3	0.0	0.0	0.0	.7
12	16.0	22.2	19.2	83.7	.6	0.0	.6	.3
13	15.8	26.6	20.4	74.7	0.0	1.1	1.1	7.1
14	16.3	24.7	20.0	80.7	.4	.6	1.0	.9
15	15.9	26.0	20.2	71.3	0.0	0.0	0.0	8.0
16	16.2	22.7	18.0	90.3	3.2	0.0	3.2	.7
17	14.8	26.0	20.3	73.3	0.0	0.0	0.0	7.8
18	16.5	27.2	21.4	71.3	0.0	52.8	52.8	5.7
19	15.5	25.8	21.2	75.7	0.0	26.2	26.2	6.5
20	17.0	24.6	19.8	79.7	2.1	0.0	2.1	2.0
21	16.3	27.3	20.8	70.7	0.0	1.3	1.3	6.3
22	17.5	25.6	21.0	74.7	2.0	0.0	2.0	3.7
23	17.2	27.2	21.2	74.0	0.0	21.8	21.8	5.1
24	17.4	24.2	20.2	85.7	2.7	3.2	5.9	.8
25	17.4	26.2	20.6	81.7	0.0	10.1	10.1	2.7
26	17.2	27.4	21.7	77.7	0.0	.4	.4	6.0
27	17.8	26.0	20.8	79.3	5.4	1.8	7.2	3.6
28	17.0	23.2	19.6	87.7	4.0	0.0	4.0	.1
29	16.6	28.4	22.1	73.3	0.0	40.3	40.3	7.0
30	18.2	29.0	22.4	69.7	.3	39.5	39.8	8.0
31	18.5	28.5	22.0	76.3	.5	0.0	.5	5.5
Total :					78.8	237.3	316.1	120.7
Promedio :	17.0	25.9	20.6	78.5				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	26.4	21.8	75.7	0.0	1.0	1.0	2.7
2	18.4	26.5	21.1	76.7	2.4	.9	3.3	4.5
3	18.2	26.8	21.3	74.3	0.0	12.5	12.5	4.3
4	17.7	25.1	20.8	81.0	1.9	0.0	1.9	1.6
5	17.8	25.3	20.8	79.0	0.0	6.0	6.0	1.3
6	17.6	23.7	19.7	88.7	1.9	23.6	25.5	1.2
7	17.1	24.2	20.4	81.3	0.0	0.0	0.0	1.0
8	17.3	28.2	22.2	71.7	0.0	0.0	0.0	8.0
9	16.7	28.5	22.1	69.3	0.0	0.0	0.0	7.6
10	18.1	21.7	19.4	92.3	0.0	.3	.3	.1
11	17.0	28.1	21.5	70.3	0.0	46.0	46.0	7.3
12	17.2	25.5	20.3	80.0	.8	.2	1.0	1.4
13	17.4	25.0	19.5	83.3	3.2	1.3	4.5	.3
14	16.8	23.8	19.2	87.0	1.5	0.0	1.5	1.3
15	16.3	23.2	19.2	86.7	15.4	.2	15.6	.7
16	15.7	23.3	19.4	83.7	.2	.2	.4	.7
17	16.2	21.2	18.4	92.3	24.4	3.6	28.0	.5
18	15.7	25.0	19.0	82.0	17.0	0.0	17.0	4.4
19	15.9	26.0	19.6	81.0	3.0	21.8	24.8	4.1
20	16.3	23.8	19.2	83.7	.5	0.0	.5	.9
21	16.6	26.5	19.6	79.0	20.4	5.8	26.2	2.4
22	16.3	25.8	20.0	78.3	.1	0.0	.1	4.4
23	17.6	23.7	19.7	85.0	8.1	43.0	51.1	1.2
24	16.5	25.1	19.4	87.7	1.0	14.0	15.0	1.2
25	15.6	25.3	20.2	81.3	1.0	0.0	1.0	2.6
26	17.0	26.0	21.2	80.3	0.0	44.2	44.2	3.2
27	15.2	24.6	19.4	86.0	2.5	.8	3.3	.3
28	17.0	22.8	19.2	83.7	2.9	5.8	8.7	3.3
29								
30								
31								
Total :					108.2	231.2	339.4	72.5
Promedio :	16.9	25.0	20.1	81.5				

Estación : NARANJAL
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 4 ° 59 'N
Longitud : 75 ° 39 'W
Altitud : 1400 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	24.0	18.7	81.7	.7	0.0	.7	.6
2	16.0	25.0	20.5	77.3	.1	0.0	.1	5.0
3	17.0	27.2	21.0	72.7	0.0	.2	.2	4.9
4	16.7	25.5	19.8	92.0	2.6	0.0	2.6	2.1
5	16.4	28.0	22.0	69.3	0.0	0.0	0.0	7.6
6	17.0	28.7	22.0	70.0	0.0	0.0	0.0	6.3
7	16.8	27.2	20.8	72.3	0.0	0.0	0.0	3.9
8	15.8	27.3	20.5	73.7	.3	13.1	13.4	6.6
9	17.0	24.5	19.4	85.7	2.3	.5	2.8	.6
10	16.0	27.1	20.0	77.3	1.7	0.0	1.7	5.8
11	15.0	27.3	21.2	78.3	0.0	0.0	0.0	4.9
12	16.4	28.5	22.0	68.7	0.0	0.0	0.0	4.5
13	16.7	25.2	19.6	77.3	.1	0.0	.1	2.1
14	15.5	26.3	20.9	74.7	0.0	22.1	22.1	3.3
15	17.2	24.0	19.2	85.7	7.6	0.0	7.6	1.0
16	16.2	24.5	19.8	87.7	0.0	6.1	6.1	3.3
17	16.0	27.3	21.5	71.0	0.0	38.4	38.4	5.6
18	15.2	25.4	20.4	78.3	0.0	2.9	2.9	3.1
19	17.0	25.0	20.0	85.0	14.0	2.5	16.5	1.6
20	15.2	26.3	19.8	79.3	0.0	0.0	0.0	2.9
21	17.0	25.5	21.2	68.0	0.0	1.6	1.6	2.1
22	17.5	26.6	21.6	74.0	0.0	24.3	24.3	5.4
23	17.2	25.2	21.0	77.7	0.0	.1	.1	1.7
24	18.0	25.7	21.2	79.0	0.0	11.4	11.4	1.7
25	17.6	28.8	22.5	73.0	0.0	0.0	0.0	6.2
26	17.1	28.3	21.6	71.3	3.0	0.0	3.0	4.4
27	18.3	23.7	20.2	94.7	3.8	.1	3.9	.2
28	17.9	24.0	19.6	95.0	4.3	8.2	12.5	1.4
29	16.7	26.0	21.3	75.7	0.0	.2	.2	4.1
30	18.0	27.2	21.9	77.7	4.0	0.0	4.0	3.5
31	17.4	29.0	21.8	73.3	0.0	0.0	0.0	6.3
Total :					44.5	131.7	176.2	112.7
Promedio :	16.7	26.3	20.7	78.0				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.8	28.4	21.5	72.3	0.0	0.0	0.0	2.7
2	18.2	29.2	22.9	70.7	0.0	13.4	13.4	6.0
3	17.0	20.7	18.0	94.7	.5	0.0	.5	0.0
4	15.3	26.7	20.8	74.7	1.2	7.3	8.5	4.6
5	14.8	27.2	21.0	75.7	0.0	4.1	4.1	6.8
6	16.0	28.0	21.8	69.7	0.0	0.0	0.0	8.2
7	17.9	26.1	21.5	76.0	0.0	8.7	8.7	3.0
8	17.2	24.8	20.6	80.3	17.7	22.3	40.0	2.0
9	16.8	25.0	19.5	88.0	2.0	0.0	2.0	1.1
10	16.0	25.6	19.4	85.3	3.6	8.5	12.1	.8
11	16.0	26.7	21.8	75.3	0.0	28.7	28.7	5.6
12	17.0	27.2	21.2	78.0	0.0	14.6	14.6	4.4
13	16.5	25.6	20.6	74.7	.4	0.0	.4	3.5
14	17.0	27.2	21.1	83.0	2.9	1.2	4.1	2.1
15	17.0	26.2	20.5	84.7	.1	0.0	.1	2.8
16	17.3	28.3	22.4	67.0	0.0	0.0	0.0	8.5
17	16.8	29.0	22.5	67.0	0.0	0.0	0.0	7.5
18	15.9	28.3	21.8	64.0	0.0	0.0	0.0	8.3
19	16.1	28.7	22.8	64.7	0.0	0.0	0.0	7.5
20	18.0	27.2	20.6	79.3	0.0	0.0	0.0	3.8
21	16.4	27.8	22.2	71.3	0.0	0.0	0.0	6.1
22	17.7	30.7	23.3	70.3	0.0	10.9	10.9	7.4
23	17.0	24.5	21.3	89.0	.1	.1	.2	0.0
24	18.0	23.8	19.4	92.0	31.8	4.9	36.7	2.9
25	15.8	25.0	20.4	78.3	0.0	5.0	5.0	4.6
26	17.2	24.8	20.8	80.3	.5	8.4	8.9	2.1
27	16.3	22.7	19.0	92.0	1.1	0.0	1.1	.6
28	15.6	25.2	19.6	86.0	.3	0.0	.3	3.3
29	17.0	26.4	20.4	80.3	0.0	13.8	13.8	4.5
30	16.0	23.2	18.3	95.0	10.2	0.0	10.2	.5
31								
Total :					72.4	151.9	224.3	121.2
Promedio :	16.7	26.3	20.9	78.7				

Estación : NARANJAL
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 4 ° 59 'N
Longitud : 75 ° 39 'W
Altitud : 1400 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.2	27.1	21.8	73.0	0.0	.7	.7	6.6
2	17.0	24.8	21.0	84.0	.8	0.0	.8	1.0
3	17.4	26.8	21.0	77.3	0.0	24.5	24.5	5.1
4	15.0	22.0	18.2	95.0	9.4	0.0	9.4	0.0
5	16.0	26.3	20.6	80.0	.4	0.0	.4	5.3
6	16.2	25.2	21.0	82.3	31.2	12.0	43.2	5.4
7	16.7	24.8	20.2	87.0	.5	5.5	6.0	3.6
8	16.2	26.9	20.1	81.7	0.0	9.3	9.3	3.2
9	16.6	24.6	19.3	88.3	2.8	40.0	42.8	1.1
10	15.6	26.0	19.8	78.7	4.6	0.0	4.6	5.8
11	16.2	23.5	19.2	82.7	0.0	.2	.2	.8
12	16.0	25.4	20.7	80.0	0.0	43.6	43.6	5.1
13	16.1	24.7	19.5	85.3	3.8	3.0	6.8	2.8
14	17.0	27.0	21.5	76.0	.3	0.0	.3	5.2
15	16.9	26.3	21.0	78.0	0.0	0.0	0.0	5.3
16	18.0	29.0	22.2	74.0	.4	18.0	18.4	7.4
17	16.8	27.3	21.6	72.3	0.0	0.0	0.0	8.8
18	17.6	26.8	21.6	79.7	0.0	0.0	0.0	1.4
19	17.4	27.0	21.2	78.3	2.8	0.0	2.8	3.3
20	15.7	26.8	19.5	92.0	10.0	1.2	11.2	6.4
21	16.0	28.2	21.4	80.3	0.0	0.0	0.0	4.1
22	18.5	25.8	21.6	80.3	.2	0.0	.2	2.5
23	18.3	29.7	22.8	74.7	0.0	0.0	0.0	8.6
24	18.2	28.4	23.3	72.0	0.0	0.0	0.0	7.8
25	18.0	27.8	22.2	71.7	0.0	0.0	0.0	5.1
26	18.6	29.6	22.7	71.3	0.0	0.0	0.0	8.2
27	17.0	28.9	21.9	70.3	0.0	0.0	0.0	6.3
28	17.0	25.7	21.7	83.0	.3	2.0	2.3	1.5
29	18.1	26.8	22.0	79.3	.9	1.5	2.4	1.5
30	17.6	26.8	21.4	79.7	0.0	0.0	0.0	3.2
31	17.0	28.8	22.7	74.7	0.0	4.2	4.2	7.2
Total :					68.4	165.7	234.1	139.6
Promedio :	16.9	26.6	21.1	79.4				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.3	27.2	21.0	87.3	1.3	12.6	13.9	4.1
2	18.9	24.5	20.8	88.0	1.3	0.0	1.3	1.0
3	17.1	27.0	21.2	82.3	1.2	0.0	1.2	5.2
4	17.8	24.0	20.6	88.7	2.5	6.6	9.1	.3
5	16.6	23.6	19.8	89.3	1.9	0.0	1.9	1.9
6	16.0	25.1	20.9	78.3	.3	0.0	.3	3.4
7	18.0	25.5	19.0	94.7	10.2	36.9	47.1	1.7
8	17.2	24.3	20.1	82.0	1.1	.2	1.3	2.2
9	16.7	27.8	20.8	78.7	1.5	.9	2.4	7.8
10	15.7	27.7	21.4	68.7	0.0	11.3	11.3	6.8
11	18.0	25.8	21.0	86.3	1.8	0.0	1.8	3.3
12	16.7	27.2	21.4	75.7	0.0	.1	.1	5.6
13	17.9	23.7	19.6	89.7	4.3	2.5	6.8	.4
14	16.6	26.9	20.7	81.0	1.2	.1	1.3	3.6
15	16.4	23.8	20.0	86.3	.5	1.7	2.2	1.6
16	16.7	24.4	19.8	85.7	3.3	.1	3.4	1.7
17	15.2	26.8	19.5	77.7	1.0	.3	1.3	4.9
18	17.2	21.1	18.8	95.3	3.2	.1	3.3	0.0
19	16.0	26.4	21.2	76.3	0.0	17.5	17.5	4.2
20	17.2	26.8	21.0	82.0	0.0	28.1	28.1	3.4
21	17.8	23.2	20.2	87.7	1.7	0.0	1.7	.5
22	16.7	25.7	21.0	79.7	1.2	0.0	1.2	3.7
23	17.1	25.4	20.6	77.7	.3	0.0	.3	2.5
24	16.8	26.0	20.4	83.0	.3	5.4	5.7	2.4
25	15.7	26.1	21.0	75.0	0.0	4.4	4.4	2.3
26	17.0	25.0	19.8	83.3	19.5	3.5	23.0	2.7
27	16.0	24.9	20.1	79.3	.4	3.7	4.1	3.1
28	15.6	22.8	19.3	86.3	.8	0.0	.8	.2
29	14.8	25.8	20.4	77.3	.6	0.0	.6	4.1
30	15.8	26.6	21.4	74.3	1.2	17.6	18.8	6.6
31								
Total :					62.6	153.6	216.2	91.2
Promedio :	16.8	25.4	20.4	82.6				

Estación : NARANJAL
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 4 ° 59 'N
Longitud : 75 ° 39 'W
Altitud : 1400 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.5	25.2	20.6	76.3	0.0	.5	.5	4.8
2	17.4	26.0	20.8	80.0	0.0	16.7	16.7	3.3
3	16.2	23.3	19.4	87.0	5.8	15.9	21.7	1.9
4	16.0	27.2	21.2	73.7	.1	3.6	3.7	6.0
5	17.2	27.0	21.8	70.0	0.0	0.0	0.0	8.1
6	16.8	25.6	20.6	77.7	.4	0.0	.4	3.9
7	17.0	25.8	20.9	79.0	.1	37.7	37.8	4.3
8	16.0	25.9	20.9	79.0	0.0	17.5	17.5	3.6
9	16.2	25.3	20.2	78.0	1.4	10.0	11.4	4.8
10	16.5	27.2	21.5	69.3	0.0	0.0	0.0	8.5
11	17.7	27.0	21.6	70.0	0.0	0.0	0.0	7.3
12	17.4	26.3	21.2	81.0	0.0	.7	.7	4.6
13	16.8	27.8	22.2	68.7	0.0	0.0	0.0	8.3
14	16.6	29.4	22.0	69.3	0.0	0.0	0.0	8.8
15	16.5	28.5	22.0	63.7	0.0	5.2	5.2	8.4
16	17.4	26.8	20.7	81.3	.9	0.0	.9	3.7
17	16.1	26.7	21.8	67.3	0.0	5.7	5.7	4.6
18	16.4	28.8	21.5	74.3	0.0	9.9	9.9	6.3
19	16.7	27.7	21.2	70.7	0.0	4.3	4.3	6.4
20	17.2	27.5	21.1	80.7	0.0	0.0	0.0	6.9
21	17.4	29.0	21.8	74.7	0.0	0.0	0.0	8.2
22	17.2	27.8	21.5	74.3	3.9	.5	4.4	5.9
23	18.1	28.0	20.6	81.7	2.7	7.4	10.1	4.0
24	16.0	26.2	20.9	77.0	0.0	0.0	0.0	4.5
25	17.1	28.8	23.0	68.3	0.0	0.0	0.0	7.2
26	17.4	27.5	21.8	77.7	0.0	5.0	5.0	3.3
27	18.0	27.6	22.0	74.0	.1	2.3	2.4	5.1
28	17.8	26.2	21.8	80.7	.6	1.9	2.5	4.5
29	18.0	25.8	21.3	82.3	5.0	0.0	5.0	2.0
30	17.0	29.0	22.8	68.0	0.0	2.5	2.5	7.9
31	17.5	28.0	20.0	84.7	7.1	0.0	7.1	4.4
Total					28.1	147.3	175.4	171.5
Promedio	17.0	27.1	21.3	75.5				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.8	27.8	22.0	74.3	0.0	0.0	0.0	6.7
2	16.8	26.1	21.9	76.0	.2	1.8	2.0	3.6
3	17.5	23.7	20.4	79.7	0.0	0.0	0.0	1.9
4	15.8	27.0	21.0	77.0	0.0	.3	.3	3.3
5	17.4	27.6	21.7	74.7	.1	0.0	.1	6.1
6	17.0	27.0	21.9	73.0	0.0	13.6	13.6	5.1
7	15.8	25.6	19.8	80.0	0.0	5.0	5.0	3.3
8	17.5	27.9	21.5	78.0	.1	.6	.7	4.3
9	17.0	25.0	20.7	80.3	.7	0.0	.7	1.9
10	15.9	28.5	21.6	66.7	0.0	0.0	0.0	7.1
11	17.0	26.5	21.8	73.7	0.0	0.0	0.0	5.0
12	17.6	27.3	20.8	76.7	1.3	17.8	19.1	3.6
13	17.8	25.4	20.2	82.3	3.4	.4	3.8	4.2
14	17.0	24.9	20.4	82.7	.5	26.0	26.5	3.4
15	15.0	25.6	20.4	79.0	0.0	0.0	0.0	5.0
16	15.8	27.9	22.0	67.0	0.0	7.6	7.6	9.1
17	16.4	26.2	20.7	81.0	0.0	0.0	0.0	6.2
18	17.2	25.6	20.3	84.0	6.0	0.0	6.0	3.2
19	16.8	25.5	21.2	76.0	0.0	.6	.6	1.8
20	16.0	28.2	19.8	79.7	5.9	25.1	31.0	6.8
21	16.5	20.8	17.8	92.0	3.7	0.0	3.7	0.0
22	14.6	27.0	20.4	73.0	0.0	0.0	0.0	4.1
23	15.0	24.2	19.8	88.3	1.1	0.0	1.1	4.4
24	14.8	25.6	19.3	85.0	0.0	0.0	0.0	3.8
25	15.6	23.2	19.2	87.0	1.1	2.7	3.8	0.0
26	16.0	26.5	19.6	80.0	1.7	2.7	4.4	4.3
27	17.4	23.5	19.8	85.7	1.4	1.6	3.0	1.2
28	16.8	25.2	19.6	88.0	.9	0.0	.9	2.5
29	15.2	28.5	22.1	70.7	0.0	5.8	5.8	7.3
30	17.0	27.4	21.5	77.3	0.0	0.0	0.0	4.1
31	16.6	27.8	22.0	72.0	0.0	1.5	1.5	6.4
Total					28.1	113.1	141.2	129.7
Promedio	16.4	26.1	20.7	78.7				

Estación : NARANJAL
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 4 ° 59 'N
Longitud : 75 ° 39 'W
Altitud : 1400 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.2	26.6	20.2	83.7	42.4	.3	42.7	4.1
2	17.5	25.5	20.5	83.7	3.9	0.0	3.9	1.5
3	17.5	25.0	20.8	81.0	0.0	0.0	0.0	1.9
4	16.5	25.9	20.5	80.0	0.0	.8	.8	2.2
5	16.6	24.0	19.1	87.0	2.1	0.0	2.1	1.3
6	16.0	27.2	20.6	77.3	0.0	0.0	0.0	6.1
7	15.7	26.4	21.5	77.0	.1	50.1	50.2	3.4
8	16.9	25.2	20.4	79.3	.2	0.0	.2	3.6
9	16.4	26.4	20.3	83.0	.3	40.0	40.3	2.5
10	16.8	24.2	20.0	83.0	1.3	0.0	1.3	1.5
11	16.4	24.3	19.0	86.0	1.4	18.7	20.1	2.2
12	16.8	23.2	18.3	93.0	7.9	3.7	11.6	.4
13	15.4	25.0	18.9	84.3	17.0	24.2	41.2	3.2
14	15.5	23.8	18.2	93.0	.6	0.0	.6	1.0
15	16.7	27.8	20.6	77.7	0.0	0.0	0.0	5.6
16	16.4	29.0	21.3	73.0	0.0	92.8	92.8	6.3
17	16.3	23.3	19.8	83.0	.5	0.0	.5	.9
18	15.0	28.0	21.0	77.0	.1	3.3	3.4	6.6
19	16.4	27.5	21.4	76.3	0.0	8.9	8.9	5.6
20	16.8	25.7	20.3	83.7	3.2	0.0	3.2	3.4
21	16.2	26.7	20.1	74.0	1.0	32.4	33.4	4.9
22	16.4	25.2	20.0	80.7	.4	0.0	.4	2.2
23	16.0	25.0	18.5	89.7	21.2	0.0	21.2	3.4
24	16.0	26.6	20.4	76.7	.2	.8	1.0	5.7
25	17.4	24.8	20.0	80.3	0.0	22.4	22.4	1.8
26	16.8	26.2	19.4	84.0	1.0	30.0	31.0	1.7
27	16.9	24.0	18.8	84.0	20.8	2.6	23.4	1.9
28	16.3	24.5	19.7	81.0	.2	2.1	2.3	.5
29	16.5	24.7	19.8	81.0	0.0	0.0	0.0	.9
30	15.5	25.0	20.0	78.7	.4	21.9	22.3	3.6
31								
Total					126.2	355.0	481.2	89.9
Promedio	16.5	25.6	20.0	81.7				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.3	22.6	19.0	87.3	.2	.9	1.1	.1
2	16.0	25.8	19.5	83.0	0.0	0.0	0.0	2.3
3	17.3	27.9	20.8	78.7	.4	0.0	.4	5.4
4	17.2	25.0	19.5	82.7	12.4	0.0	12.4	2.4
5	15.8	26.2	20.2	79.0	0.0	38.6	38.6	4.5
6	14.4	23.2	18.0	87.0	35.8	0.0	35.8	.8
7	14.0	24.8	18.6	81.0	1.5	.1	1.6	2.6
8	15.3	27.0	20.6	77.3	.2	1.4	1.6	5.6
9	17.2	25.5	20.6	81.7	0.0	9.5	9.5	2.9
10	16.4	24.8	20.4	83.0	.1	19.9	20.0	.9
11	16.6	26.1	20.4	78.7	.3	0.0	.3	5.2
12	17.4	27.6	21.2	75.0	0.0	0.0	0.0	4.3
13	15.8	26.4	20.2	80.7	.5	.4	.9	5.2
14	17.4	26.0	21.7	78.3	0.0	.4	.4	5.0
15	18.0	26.3	20.7	78.3	1.9	25.1	27.0	2.6
16	16.2	24.2	19.2	85.0	3.8	6.8	10.6	2.5
17	16.4	22.0	18.2	94.3	2.3	0.0	2.3	.6
18	14.7	28.1	20.2	69.0	0.0	10.4	10.4	7.8
19	16.7	26.0	20.8	73.7	0.0	0.0	0.0	4.6
20	18.0	24.2	19.5	83.7	1.2	0.0	1.2	.4
21	16.0	26.5	20.8	77.0	.3	.2	.5	2.0
22	16.2	23.8	19.6	85.3	20.5	18.9	39.4	1.0
23	16.5	24.9	20.1	82.7	0.0	0.0	0.0	2.1
24	17.0	26.5	20.2	78.3	5.6	3.0	8.6	4.9
25	17.3	24.5	20.6	86.7	9.1	0.0	9.1	1.5
26	16.7	25.5	21.1	83.3	10.1	36.0	46.1	3.3
27	16.3	24.0	19.8	86.0	13.9	5.9	19.8	2.6
28	16.7	24.2	19.3	88.0	1.9	1.0	2.9	.7
29	14.2	26.0	21.0	78.7	0.0	9.6	9.6	5.0
30	16.0	23.3	19.0	91.0	.6	0.0	.6	.7
31	15.3	26.3	20.7	75.0	0.0	0.0	0.0	3.5
Total					122.6	188.1	310.7	93.0
Promedio	16.3	25.3	20.0	81.6				

Estación : NARANJAL
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 4 ° 59 'N
Longitud : 75 ° 39 'W
Altitud : 1400 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.4	28.0	21.0	77.3	29.4	.1	29.5	4.0
2	16.7	27.8	20.7	79.7	23.1	15.6	38.7	6.5
3	17.0	26.8	21.5	81.0	0.0	28.6	28.6	3.6
4	18.0	27.2	21.0	82.0	.1	11.5	11.6	5.3
5	17.4	27.6	22.1	74.7	0.0	26.8	26.8	8.3
6	18.0	26.2	21.1	79.7	0.0	0.0	0.0	2.7
7	16.8	24.2	19.6	92.0	9.5	9.5	19.0	.5
8	17.8	24.4	20.7	83.3	.2	.2	.4	.7
9	17.2	27.2	21.5	75.7	0.0	11.5	11.5	6.8
10	18.4	28.4	21.8	75.3	.1	49.9	50.0	6.8
11	16.0	24.0	19.6	91.0	0.0	.1	.1	1.0
12	16.0	26.0	21.6	73.3	.6	29.0	29.6	2.9
13	16.3	25.6	20.1	88.3	.7	0.0	.7	2.4
14	16.0	28.4	21.8	74.0	0.0	0.0	0.0	9.0
15	17.0	24.5	19.8	75.7	.2	0.0	.2	.9
16	15.0	26.8	21.3	72.0	0.0	0.0	0.0	9.2
17	14.8	27.4	21.4	71.0	0.0	68.3	68.3	9.0
18	17.0	22.7	19.6	87.7	.6	.5	1.1	.5
19	17.0	23.8	20.4	84.3	0.0	33.3	33.3	.3
20	17.0	24.5	19.6	84.0	14.9	1.8	16.7	1.1
21	16.4	24.2	19.8	84.3	.8	3.0	3.8	2.7
22	16.8	21.7	18.8	94.0	3.8	0.0	3.8	.2
23	15.8	25.8	19.8	81.7	8.1	10.5	18.6	6.1
24	16.3	24.3	18.6	84.0	3.2	8.0	11.2	3.0
25	17.0	26.6	19.6	78.7	.8	.1	.9	4.6
26	16.0	26.6	20.2	74.0	0.0	0.0	0.0	8.0
27	16.2	27.0	21.8	71.0	0.0	33.9	33.9	7.2
28	18.0	25.8	21.5	74.3	0.0	0.0	0.0	2.8
29	16.2	28.4	22.3	65.3	0.0	28.9	28.9	7.7
30	16.6	24.7	19.4	88.7	8.6	.2	8.8	1.9
31								
Total :					104.7	371.3	476.0	125.7
Promedio :	16.7	25.9	20.6	79.9				

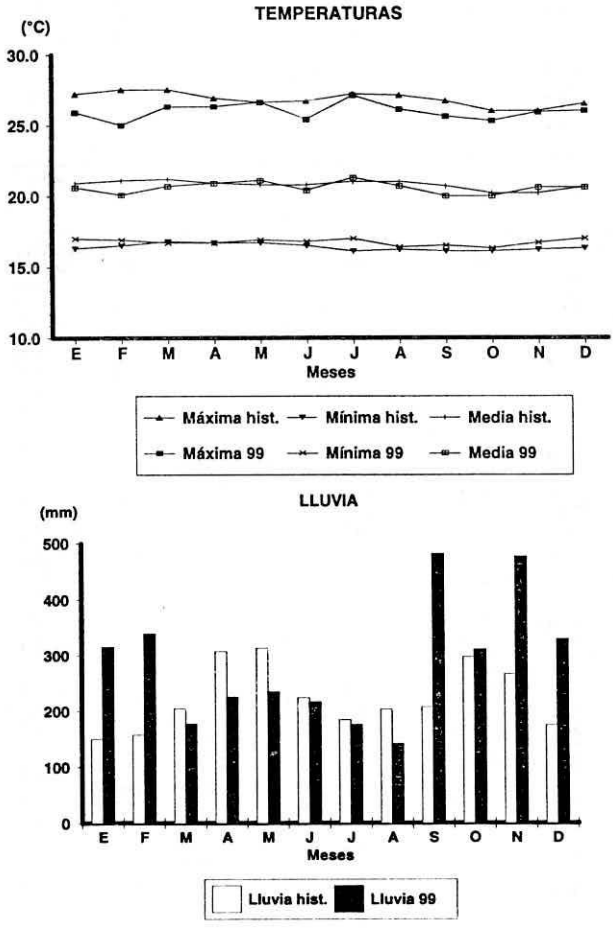
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.7	20.8	18.6	94.0	5.9	0.0	5.9	0.0
2	16.0	25.4	20.2	79.3	0.0	0.0	0.0	3.2
3	17.8	24.3	20.5	80.3	0.0	1.7	1.7	1.1
4	17.2	26.0	21.2	76.3	4.0	32.1	36.1	2.0
5	17.0	25.2	20.4	78.0	0.0	0.0	0.0	3.0
6	17.8	26.5	20.4	78.3	22.1	0.0	22.1	3.0
7	17.4	25.8	20.4	75.7	.9	.9	1.8	5.0
8	16.7	28.5	22.2	70.0	2.8	1.3	4.1	7.9
9	18.5	28.8	22.3	68.3	0.0	28.5	28.5	6.5
10	18.3	24.6	20.3	81.3	.6	0.0	.6	1.0
11	15.5	27.7	20.6	77.0	.5	.3	.8	5.8
12	18.2	25.4	20.1	82.3	.4	33.9	34.3	1.3
13	16.0	25.0	20.2	82.3	0.0	10.8	10.8	1.7
14	17.4	26.5	20.8	78.7	4.6	18.3	22.9	4.1
15	17.0	26.2	20.5	82.3	0.0	45.3	45.3	3.3
16	16.5	25.0	20.8	75.7	1.7	35.1	36.8	2.8
17	16.6	26.0	20.8	78.3	0.0	3.3	3.3	3.0
18	17.5	25.7	21.2	76.3	0.0	16.2	16.2	2.4
19	18.2	27.5	21.0	82.0	1.0	7.0	8.0	4.7
20	18.2	26.7	21.4	80.3	.2	2.1	2.3	3.4
21	18.6	26.8	21.6	80.0	.9	5.4	6.3	5.9
22	18.6	24.6	20.6	85.3	0.0	.3	.3	1.7
23	17.2	27.0	20.7	81.7	0.0	5.3	5.3	5.6
24	16.8	23.5	19.0	81.3	1.9	17.3	19.2	.4
25	16.2	24.8	19.4	87.7	0.0	0.0	0.0	2.5
26	14.0	27.2	20.0	69.7	0.0	0.0	0.0	7.8
27	16.5	26.8	20.4	74.7	0.0	0.0	0.0	6.6
28	15.0	27.2	20.3	69.0	0.0	0.0	0.0	8.6
29	15.6	25.8	20.1	76.3	0.0	0.0	0.0	5.0
30	15.0	27.8	20.8	68.3	0.0	0.0	0.0	8.0
31	17.6	28.0	21.6	74.3	.1	17.2	17.3	7.4
Total :					47.6	282.3	329.9	124.7
Promedio :	17.0	26.0	20.6	78.2				

Estación : NARANJAL
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 4 ° 59 'N
Longitud : 75 ° 39 'W
Altitud : 1400 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	17.0	25.9	20.6	29.0	14.8	78.5	316.1	27	120.7
Febrero	16.9	25.0	20.1	28.5	15.2	81.5	339.4	25	72.5
Marzo	16.7	26.3	20.7	29.0	15.0	78.0	176.2	23	112.7
Abril	16.7	26.3	20.9	30.7	14.8	78.7	224.3	22	121.2
Mayo	16.9	26.6	21.1	29.7	15.0	79.4	234.1	21	139.6
Junio	16.8	25.4	20.4	27.8	14.8	82.6	216.2	30	91.2
Julio	17.0	27.1	21.3	29.4	16.0	75.5	175.4	22	171.5
Agosto	16.4	26.1	20.7	28.5	14.6	78.7	141.2	22	129.7
Septiembre	16.5	25.6	20.0	29.0	15.0	81.7	481.2	26	89.9
Octubre	16.3	25.3	20.0	28.1	14.0	81.6	310.7	26	93.0
Noviembre	16.7	25.9	20.6	28.4	14.8	79.9	476.0	25	125.7
Diciembre	17.0	26.0	20.6	28.8	14.0	78.2	329.9	23	124.7
Promedio :	16.7	26.0	20.6			79.5			
Absoluta :				30.7	14.0				
Total :							3420.7	292	1392.4



Estación : LA TRINIDAD
Año : 1999

Dpto. : CAUCA
Mpio. : PIENDAMO

Latitud : 2 ° 44 'N
Longitud : 76 ° 34 'W
Altitud : 1600 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.1	21.3	18.3	77.7	.7	0.0	.7	2.6
2	16.5	23.2	19.5	80.0	4.9	0.0	4.9	1.7
3	16.2	24.0	20.2	77.3	0.0	4.4	4.4	2.9
4	16.0	24.2	18.0	79.7	19.1	0.0	19.1	3.2
5	14.8	23.3	18.3	75.7	0.0	23.6	23.6	3.1
6	15.3	23.4	18.1	79.3	0.0	16.2	16.2	4.3
7	15.4	23.5	18.0	83.0	0.0	5.6	5.6	2.3
8	15.5	21.0	16.7	90.0	4.0	1.2	5.2	.8
9	15.4	23.0	16.9	87.3	11.2	6.6	17.8	2.6
10	15.3	23.2	17.8	84.0	6.8	12.1	18.9	2.9
11	14.4	21.1	17.2	88.0	.2	0.0	.2	1.3
12	15.0	23.8	18.3	78.3	2.4	26.5	28.9	2.3
13	14.4	22.2	15.8	89.3	6.4	.1	6.5	1.1
14	14.5	23.0	17.0	84.0	1.6	10.4	12.0	4.3
15	14.1	22.0	17.4	70.7	.1	.6	.7	2.6
16	14.0	23.2	17.2	77.0	.1	32.0	32.1	3.6
17	14.2	24.0	18.1	72.3	0.0	0.0	0.0	2.8
18	16.1	24.2	18.7	84.3	0.0	35.8	35.8	2.1
19	14.6	23.6	17.8	87.0	15.4	5.6	21.0	2.4
20	13.3	22.3	18.7	81.0	.1	0.0	.1	1.6
21	15.1	23.2	18.2	77.7	4.7	0.0	4.7	1.6
22	15.1	24.0	18.3	80.3	0.0	0.0	0.0	3.2
23	14.2	25.0	19.0	77.7	0.0	0.0	0.0	3.0
24	16.0	22.2	17.8	86.3	4.9	.1	5.0	.7
25	15.4	22.2	18.5	82.3	0.0	3.6	3.6	2.6
26	15.4	23.9	19.4	76.0	1.4	1.0	2.4	2.6
27	15.1	23.4	17.5	85.0	3.2	2.4	5.6	1.7
28	15.0	23.3	19.0	72.7	2.7	1.2	3.9	3.0
29	16.2	24.1	19.0	78.7	1.3	0.0	1.3	3.1
30	14.4	25.3	20.4	70.3	0.0	0.0	0.0	5.8
31	14.1	25.4	19.7	76.7	0.0	.3	.3	6.2
Total :					91.2	189.3	280.5	84.0
Promedio :	15.1	23.3	18.2	80.3				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.5	26.3	18.0	76.7	38.2	1.2	39.4	3.8
2	14.2	24.2	18.2	78.0	0.0	28.7	28.7	4.8
3	14.3	24.3	18.5	72.0	2.2	17.2	19.4	5.6
4	13.4	25.3	18.3	76.0	.2	0.0	.2	3.7
5	15.4	22.4	16.2	90.7	34.3	3.5	37.8	1.1
6	15.3	24.0	18.4	74.0	5.5	12.3	17.8	1.9
7	15.1	23.3	19.1	73.0	0.0	.7	.7	4.1
8	15.0	27.0	20.4	66.3	0.0	0.0	0.0	7.5
9	15.1	26.0	19.8	70.7	0.0	0.0	0.0	8.0
10	15.5	22.0	17.7	87.0	18.8	0.0	18.8	1.2
11	13.8	25.3	20.0	70.7	10.6	0.0	10.6	6.8
12	16.0	23.5	18.7	81.7	8.0	.5	8.5	2.3
13	15.5	21.0	17.6	84.0	.6	0.0	.6	.1
14	15.2	22.0	18.6	79.3	.5	1.3	1.8	1.1
15	15.0	19.4	16.0	93.0	6.6	.1	6.7	0.0
16	15.0	21.9	17.4	87.3	7.8	24.5	32.3	1.8
17	14.5	22.0	16.5	82.7	5.4	8.8	14.2	1.6
18	14.3	23.0	16.8	81.7	.5	.3	.8	1.4
19	14.4	23.5	17.8	79.3	7.4	14.3	21.7	2.6
20	14.3	23.9	16.8	81.7	6.1	.7	6.8	3.2
21	14.0	22.5	18.1	80.7	.5	2.0	2.5	2.9
22	14.0	23.4	17.7	75.3	1.0	1.7	2.7	1.4
23	14.7	23.3	17.3	80.0	3.0	4.6	7.6	1.5
24	14.2	22.0	17.0	79.0	6.5	2.0	8.5	.6
25	14.4	24.8	17.6	88.0	0.0	0.0	0.0	1.5
26	15.2	25.0	18.6	82.3	.4	1.3	1.7	3.4
27	15.8	23.6	18.3	86.0	16.5	73.4	89.9	1.3
28	14.8	22.4	17.2	89.7	3.0	7.3	10.3	.2
29								
30								
31								
Total :					183.6	206.4	390.0	75.4
Promedio :	14.7	23.5	18.0	80.2				

Estación : LA TRINIDAD
Año : 1999

Dpto. : CAUCA
Mpio. : PIENDAMO

Latitud : 2 ° 44 'N
Longitud : 76 ° 34 'W
Altitud : 1600 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.8	19.6	17.0	92.7	0.0	.7	.7	0.0
2	14.1	24.6	17.8	87.0	.6	0.0	.6	3.9
3	15.2	24.9	18.3	87.0	0.0	.3	.3	3.5
4	14.0	24.2	17.9	88.7	1.0	0.0	1.0	2.8
5	15.3	24.0	17.8	85.3	15.0	0.0	15.0	2.4
6	13.9	25.6	18.4	80.7	0.0	0.0	0.0	5.2
7	14.0	24.2	17.8	87.0	0.0	0.0	0.0	2.3
8	14.7	25.6	18.1	81.7	0.0	0.0	0.0	5.0
9	14.8	26.0	18.6	83.3	0.0	.3	.3	3.6
10	14.4	26.4	17.6	87.0	51.6	0.0	51.6	3.9
11	13.1	26.9	19.5	83.7	0.0	0.0	0.0	6.4
12	13.4	28.2	20.2	82.0	0.0	0.0	0.0	6.0
13	13.2	24.6	17.4	90.7	2.9	0.0	2.9	3.4
14	14.8	25.4	19.2	85.0	.4	1.6	2.0	2.8
15	16.0	22.0	16.4	98.3	11.7	3.3	15.0	1.9
16	14.4	24.6	18.4	83.3	1.5	0.0	1.5	2.1
17	14.6	25.4	19.4	86.7	1.9	10.2	12.1	5.0
18	14.3	24.0	17.8	87.0	2.5	0.0	2.5	4.5
19	14.0	23.4	17.8	93.3	3.1	.5	3.6	2.4
20	14.8	24.4	18.8	84.7	5.6	4.5	10.1	2.7
21	15.7	24.0	17.1	90.0	5.2	0.0	5.2	3.1
22	14.6	25.0	18.0	84.7	15.6	0.0	15.6	4.9
23	14.4	24.8	18.2	86.3	1.1	.1	1.2	2.5
24	14.2	25.8	18.4	89.3	1.1	0.0	1.1	3.5
25	14.3	24.3	18.4	94.7	3.2	0.0	3.2	3.9
26	14.4	27.6	21.3	76.7	0.0	0.0	0.0	5.9
27	15.6	24.8	19.7	84.7	0.0	0.0	0.0	.5
28	16.0	24.6	19.8	86.3	.4	15.7	16.1	2.4
29	15.6	24.4	18.0	83.7	15.2	0.0	15.2	1.5
30	15.0	26.1	19.8	81.7	.2	0.0	.2	6.0
31	15.5	26.0	19.7	86.3	0.0	0.0	0.0	3.5
Total :					139.8	37.2	177.0	107.5
Promedio :	14.6	24.9	18.5	86.6				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.6	24.7	18.3	93.0	4.8	0.0	4.8	.9
2	15.4	26.2	19.9	86.3	3.0	.1	3.1	5.4
3	15.6	22.2	17.5	98.7	.8	3.5	4.3	1.9
4	16.0	22.0	17.8	94.3	.8	14.5	15.3	.9
5	15.1	25.0	19.2	83.7	0.0	1.7	1.7	3.5
6	15.0	24.8	18.6	87.0	6.6	5.4	12.0	4.6
7	16.0	22.0	17.7	97.0	6.6	1.2	7.8	.9
8	15.7	21.1	17.4	95.0	10.7	9.2	19.9	0.0
9	15.0	23.4	17.3	92.0	13.2	7.5	20.7	2.4
10	14.9	21.2	16.4	92.7	27.6	3.5	31.1	.3
11	14.4	25.0	19.1	87.3	0.0	0.0	0.0	4.6
12	15.0	24.7	19.1	82.7	1.3	0.0	1.3	4.0
13	16.0	24.6	18.0	91.0	5.0	0.0	5.0	.5
14	15.5	23.5	18.6	92.7	9.5	.3	9.8	1.5
15	15.7	23.8	18.0	91.7	0.0	0.0	0.0	3.1
16	14.8	25.6	19.6	69.7	0.0	0.0	0.0	8.2
17	14.0	26.1	20.8	70.3	0.0	0.0	0.0	8.1
18	15.0	25.2	19.4	89.3	0.0	0.0	0.0	3.0
19	16.0	25.0	19.8	87.7	0.0	0.0	0.0	3.0
20	15.8	24.0	19.7	90.7	5.5	0.0	5.5	4.3
21	14.1	25.9	19.2	86.7	19.0	0.0	19.0	6.2
22	15.1	24.2	19.8	90.7	.5	0.0	.5	5.0
23	15.0	23.5	18.1	95.7	.8	0.0	.8	.8
24	15.8	24.4	18.4	84.3	6.1	2.8	8.9	1.0
25	14.2	23.4	18.3	89.3	.4	11.1	11.5	3.2
26	15.1	21.8	17.0	95.7	8.5	.3	8.8	2.4
27	15.0	20.2	16.6	93.7	5.5	0.0	5.5	0.0
28	14.0	21.0	17.6	89.3	0.0	0.0	0.0	1.9
29	15.0	24.5	19.4	87.3	0.0	6.9	6.9	1.1
30	15.6	22.0	17.6	97.0	6.9	0.0	6.9	0.0
31								
Total :					143.1	68.0	211.1	82.7
Promedio :	15.2	23.7	18.5	89.4				

Estación : LA TRINIDAD
Año : 1999

Dpto. : CAUCA
Mpio. : PIENDAMO

Latitud : 2 ° 44 'N
Longitud : 76 ° 34 'W
Altitud : 1600 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	13.0	18.2	15.6	95.7	0.0	0.0	0.0	5.7
2	12.3	23.6	18.2	85.7	1.6	6.1	7.7	2.5
3	15.0	23.6	18.3	85.7	2.8	.5	3.3	.6
4	14.8	19.8	16.7	95.3	0.0	0.0	0.0	.3
5	13.7	24.3	17.8	86.0	0.0	1.6	1.6	5.1
6	14.5	23.2	17.0	88.3	10.9	1.4	12.3	4.4
7	14.0	23.6	17.7	88.3	.3	0.0	.3	4.0
8	14.0	22.2	18.3	92.0	1.5	0.0	1.5	2.5
9	14.7	22.3	17.7	87.7	2.2	1.1	3.3	1.5
10	13.8	23.8	17.0	86.7	9.3	0.0	9.3	3.4
11	13.2	18.3	15.5	97.7	6.1	.3	6.4	2.8
12	13.8	22.4	18.5	82.0	0.0	.7	.7	2.0
13	15.0	20.0	15.8	97.7	7.6	0.0	7.6	.3
14	13.0	22.8	18.0	89.7	.3	0.0	.3	3.2
15	14.3	24.1	18.6	86.3	5.4	0.0	5.4	5.6
16	14.2	24.0	19.1	83.3	0.0	0.0	0.0	6.0
17	14.6	26.0	19.0	80.3	0.0	0.0	0.0	4.8
18	14.9	22.1	18.2	93.0	.9	0.0	.9	1.7
19	15.4	25.2	20.0	86.3	0.0	0.0	0.0	3.2
20	14.2	23.4	17.3	94.3	35.0	0.0	35.0	1.1
21	13.0	23.5	17.8	91.0	1.0	0.0	1.0	4.7
22	14.0	25.0	18.8	86.3	2.8	0.0	2.8	5.1
23	15.0	25.1	18.7	91.0	.1	0.0	.1	4.3
24	14.2	26.3	20.3	83.3	.8	0.0	.8	6.6
25	15.2	23.2	18.9	87.7	0.0	0.0	0.0	1.2
26	15.0	24.6	18.4	85.7	.9	0.0	.9	2.3
27	14.0	25.0	18.5	87.7	0.0	0.0	0.0	5.9
28	14.9	26.0	19.8	86.3	1.1	1.1	2.2	4.2
29	15.9	24.0	18.8	90.0	9.8	0.0	9.8	3.1
30	15.0	24.4	19.6	88.7	0.0	0.0	0.0	3.8
31	14.0	27.8	21.7	62.3	0.0	0.0	0.0	10.6
Total :					100.4	12.8	113.2	112.5
Promedio :	14.3	23.5	18.2	87.8				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	25.0	19.6	86.7	2.1	.1	2.2	6.3
2	15.9	25.6	20.0	88.0	0.0	0.0	0.0	5.6
3	14.1	23.7	18.4	89.0	17.8	0.0	17.8	1.0
4	15.2	21.4	17.4	90.0	6.9	0.0	6.9	.8
5	14.8	22.0	17.0	90.0	17.4	0.0	17.4	1.0
6	12.0	22.3	18.5	88.7	0.0	0.0	0.0	4.2
7	14.2	22.9	17.4	86.7	10.2	1.2	11.4	1.6
8	15.0	21.2	16.5	95.3	10.2	0.0	10.2	6.6
9	13.6	23.5	18.8	88.0	0.0	0.0	0.0	6.8
10	15.3	25.2	19.9	85.3	.3	0.0	.3	4.5
11	15.6	22.1	18.2	93.7	0.0	0.0	0.0	.8
12	14.0	25.4	19.3	86.3	0.0	0.0	0.0	.4
13	15.9	22.0	18.1	86.7	2.2	0.0	2.2	.4
14	13.4	23.0	17.4	89.3	1.0	0.0	1.0	6.1
15	13.8	23.1	17.8	89.7	.8	1.2	2.0	1.0
16	14.4	23.4	16.6	92.3	33.9	1.1	35.0	2.0
17	14.6	23.5	17.1	95.7	5.7	0.0	5.7	4.8
18	14.8	21.0	17.5	92.7	0.0	0.0	0.0	3.7
19	14.6	24.7	17.5	88.7	7.1	0.0	7.1	.7
20	15.0	23.8	18.8	88.0	0.0	0.0	0.0	2.7
21	15.9	21.8	18.0	90.0	.6	0.0	.6	.1
22	15.0	22.3	18.3	91.0	1.5	0.0	1.5	4.0
23	14.0	23.0	18.0	89.7	0.0	0.0	0.0	1.8
24	13.2	23.6	17.9	88.0	.4	0.0	.4	4.9
25	14.0	25.0	17.4	86.3	10.3	.2	10.5	2.6
26	13.8	20.0	17.0	96.0	1.8	0.0	1.8	1.2
27	13.0	23.0	15.8	89.7	8.2	0.0	8.2	3.3
28	14.0	20.6	16.7	94.7	1.5	.7	2.2	.3
29	12.0	24.4	17.1	86.0	0.0	0.0	0.0	7.6
30	13.8	24.4	17.3	89.3	10.8	0.0	10.8	4.4
31								
Total :					150.7	4.5	155.2	91.2
Promedio :	14.3	23.1	17.8	89.7				

Estación : LA TRINIDAD
Año : 1999

Dpto. : CAUCA
Mpio. : PIENDAMO

Latitud : 2 ° 44 'N
Longitud : 76 ° 34 'W
Altitud : 1600 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	13.8	21.0	16.8	90.7	.2	0.0	.2	.5
2	12.8	21.2	16.0	92.3	2.8	0.0	2.8	1.0
3	13.0	20.4	17.6	91.0	2.2	0.0	2.2	1.9
4	13.8	23.0	18.9	81.7	0.0	0.0	0.0	6.7
5	13.5	24.4	19.2	79.7	0.0	.6	.6	7.6
6	14.0	24.4	18.6	87.7	.7	0.0	.7	2.4
7	14.2	22.4	16.3	93.0	3.5	0.0	3.5	.8
8	13.0	25.8	18.8	69.7	0.0	0.0	0.0	7.7
9	12.0	26.2	20.0	55.0	0.0	0.0	0.0	10.0
10	11.2	27.0	19.8	63.3	0.0	0.0	0.0	11.2
11	13.0	25.4	20.3	74.0	0.0	0.0	0.0	4.9
12	13.4	25.9	19.8	82.7	0.0	0.0	0.0	7.6
13	12.2	25.2	20.2	70.0	0.0	0.0	0.0	6.1
14	15.0	28.0	21.2	64.3	0.0	0.0	0.0	7.7
15	12.2	26.0	19.6	79.3	0.0	0.0	0.0	7.5
16	14.6	24.9	19.2	82.3	0.0	0.0	0.0	10.1
17	13.9	26.2	19.6	83.7	0.0	0.0	0.0	4.9
18	13.8	26.5	20.3	76.3	0.0	.2	.2	7.7
19	14.0	24.2	19.8	83.0	0.0	0.0	0.0	2.8
20	15.0	24.8	18.8	85.0	0.0	.1	.1	5.7
21	14.2	26.2	20.1	74.7	0.0	0.0	0.0	2.2
22	15.2	25.3	18.4	79.7	5.5	0.0	5.5	2.6
23	14.0	24.0	17.1	93.0	7.2	.2	7.4	3.5
24	14.6	23.0	19.5	84.3	.8	.2	1.0	3.0
25	15.2	27.6	21.4	65.3	0.0	0.0	0.0	6.2
26	15.4	25.6	20.3	77.7	0.0	0.0	0.0	4.6
27	15.2	26.0	19.6	79.7	16.0	.1	16.1	7.2
28	15.0	24.0	19.8	81.0	.5	0.0	.5	3.2
29	15.4	25.0	19.0	86.7	4.2	0.0	4.2	4.0
30	13.6	26.3	20.3	65.0	0.0	0.0	0.0	7.8
31	14.8	26.0	20.2	79.3	0.0	0.0	0.0	4.6
Total :					43.6	1.4	45.0	163.7
Promedio :	13.9	24.9	19.2	79.1				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	27.2	20.3	67.7	0.0	0.0	0.0	7.1
2	14.8	26.6	21.0	55.7	0.0	0.0	0.0	8.7
3	15.0	24.2	18.8	71.3	0.0	0.0	0.0	2.7
4	12.0	26.0	20.4	67.0	1.0	.1	1.1	8.1
5	12.6	25.0	19.6	80.0	0.0	0.0	0.0	7.0
6	15.5	26.8	19.3	82.0	.1	.2	.3	5.8
7	16.0	24.8	17.9	88.3	0.0	0.0	0.0	3.7
8	15.4	26.4	20.5	79.7	0.0	0.0	0.0	6.0
9	15.6	24.9	20.7	68.3	0.0	0.0	0.0	4.7
10	13.3	26.1	19.9	70.0	0.0	0.0	0.0	7.1
11	13.5	26.0	19.4	72.0	0.0	0.0	0.0	5.9
12	13.0	25.5	18.6	82.3	0.0	0.0	0.0	4.9
13	14.2	23.2	17.3	88.3	5.9	0.0	5.9	2.7
14	14.0	19.8	16.4	95.7	.9	0.0	.9	.6
15	13.4	24.3	19.2	70.0	0.0	0.0	0.0	3.3
16	14.4	26.6	20.0	64.3	0.0	0.0	0.0	6.4
17	12.2	25.0	19.5	71.7	0.0	0.0	0.0	6.8
18	11.4	27.7	21.3	63.0	0.0	0.0	0.0	10.1
19	11.9	26.4	20.1	72.7	0.0	0.0	0.0	9.4
20	11.4	25.6	20.4	72.7	0.0	0.0	0.0	7.4
21	12.0	22.2	16.4	92.0	.1	0.0	.1	1.9
22	11.2	25.0	17.4	79.7	.6	0.0	.6	6.9
23	13.0	26.4	20.2	74.7	0.0	0.0	0.0	7.6
24	12.0	26.1	20.4	72.7	0.0	0.0	0.0	6.6
25	14.6	25.0	18.3	80.0	0.0	0.0	0.0	2.2
26	14.1	25.8	17.6	83.0	6.0	.7	6.7	3.1
27	14.0	23.3	18.7	81.3	0.0	0.0	0.0	2.1
28	13.6	25.2	19.8	76.0	0.0	0.0	0.0	7.1
29	14.5	27.0	21.0	72.3	0.0	0.0	0.0	7.8
30	14.3	27.6	20.8	72.7	0.0	0.0	0.0	6.5
31	13.6	27.0	21.0	64.3	0.0	0.0	0.0	6.4
Total :					14.6	1.0	15.6	176.6
Promedio :	13.6	25.4	19.4	75.2				

Estación : LA TRINIDAD
Año : 1999

Dpto. : CAUCA
Mpio. : PIENDAMO

Latitud : 2 ° 44 'N
Longitud : 76 ° 34 'W
Altitud : 1600 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.2	25.5	19.7	82.0	.4	29.1	29.5	4.7
2	14.0	23.0	18.4	82.0	0.0	0.0	0.0	.8
3	14.2	24.6	20.0	74.7	0.0	0.0	0.0	4.9
4	14.0	22.2	17.8	88.0	0.0	0.0	0.0	.7
5	14.6	25.0	19.0	77.0	0.0	0.0	0.0	5.2
6	13.9	24.7	18.8	82.0	.2	0.0	.2	3.9
7	13.8	25.0	18.1	83.7	10.4	0.0	10.4	5.0
8	13.9	23.4	16.3	88.7	17.1	26.0	43.1	3.2
9	13.2	23.0	18.4	84.3	0.0	8.2	8.2	3.6
10	14.7	20.8	17.4	84.0	2.6	.7	3.3	2.1
11	14.0	22.8	16.9	91.3	1.5	1.2	2.7	.9
12	14.6	20.2	16.8	90.7	0.0	0.0	0.0	.5
13	14.3	23.8	18.2	84.0	.4	6.2	6.6	1.9
14	13.4	17.5	15.0	91.7	0.0	0.0	0.0	.4
15	12.0	24.8	18.6	77.3	0.0	0.0	0.0	5.1
16	14.0	25.0	17.9	81.3	0.0	.5	.5	4.8
17	13.8	22.0	16.3	91.3	13.1	0.0	13.1	.8
18	12.0	24.3	19.3	79.0	0.0	0.0	0.0	7.4
19	13.7	23.7	19.0	79.3	0.0	.4	.4	4.0
20	15.3	26.8	19.6	78.7	12.0	.8	12.8	5.1
21	14.8	24.2	17.5	81.0	4.4	2.2	6.6	3.8
22	13.4	22.5	17.3	88.0	.1	0.0	.1	3.7
23	14.2	23.0	17.4	88.7	3.2	.3	3.5	2.7
24	14.0	23.2	17.6	81.7	0.0	4.9	4.9	6.5
25	14.2	23.4	16.6	86.7	36.5	.2	36.7	2.4
26	14.3	22.0	17.0	86.0	0.0	13.1	13.1	1.1
27	14.0	20.2	16.6	86.3	3.2	1.4	4.6	0.0
28	14.1	21.9	16.3	86.3	6.0	.3	6.3	.8
29	13.0	23.0	17.5	86.0	0.0	23.7	23.7	3.2
30	12.8	22.6	17.6	83.7	6.0	1.0	7.0	1.2
31								
Total :					117.1	120.2	237.3	90.4
Promedio :	13.9	23.1	17.8	84.2				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	12.8	22.2	16.6	86.7	5.5	0.0	5.5	2.8
2	13.9	23.6	18.1	80.0	0.0	0.0	0.0	1.7
3	14.0	23.7	17.5	83.3	7.7	2.1	9.8	5.3
4	14.1	23.8	18.9	84.3	.5	0.0	.5	4.2
5	13.4	25.2	18.2	77.0	7.0	0.0	7.0	4.3
6	13.7	21.8	16.9	87.7	0.0	0.0	0.0	.3
7	14.0	24.0	18.0	82.0	.1	0.0	.1	4.8
8	12.8	24.2	18.2	79.3	1.0	0.0	1.0	6.0
9	15.3	24.0	18.2	82.0	1.4	0.0	1.4	5.4
10	12.4	24.8	18.2	78.3	.4	.1	.5	5.6
11	15.2	24.2	19.4	82.0	0.0	0.0	0.0	3.8
12	15.6	22.2	16.8	92.3	1.1	0.0	1.1	1.7
13	13.2	22.0	17.9	87.3	3.8	0.0	3.8	3.2
14	13.0	23.8	18.6	81.3	0.0	0.0	0.0	1.8
15	13.2	24.3	17.9	84.7	4.0	0.0	4.0	2.9
16	14.4	24.0	19.3	78.7	0.0	0.0	0.0	6.5
17	14.0	24.1	18.4	80.7	0.0	0.0	0.0	3.9
18	13.8	25.6	17.3	80.7	6.6	1.5	8.1	5.3
19	14.0	23.7	17.1	86.0	0.0	0.0	0.0	4.0
20	14.7	21.0	18.0	91.7	0.0	0.0	0.0	2.5
21	13.9	22.3	17.1	93.7	5.7	6.3	12.0	3.6
22	14.4	22.0	16.9	93.0	21.2	14.1	35.3	3.2
23	14.3	19.0	16.8	92.0	1.4	.1	1.5	.3
24	14.6	23.2	17.4	89.0	0.0	7.1	7.1	3.4
25	15.3	23.0	18.7	83.7	0.0	.4	.4	2.8
26	15.4	23.4	18.0	87.3	9.0	12.0	21.0	1.3
27	14.8	22.6	17.5	85.3	9.0	24.0	33.0	.5
28	15.0	20.2	16.0	91.7	4.0	0.0	4.0	1.2
29	13.3	23.2	17.3	85.7	2.7	25.2	27.9	4.6
30	13.2	21.6	17.2	86.0	0.0	.7	.7	1.2
31	15.2	23.2	19.0	82.7	0.0	0.0	0.0	1.8
Total :					92.1	93.6	185.7	99.9
Promedio :	14.1	23.1	17.8	85.0				

Estación : LA TRINIDAD
Año : 1999

Dpto. : CAUCA
Mpio. : PIENDAMO

Latitud : 2 ° 44 'N
Longitud : 76 ° 34 'W
Altitud : 1600 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.3	24.4	18.9	81.7	0.0	.3	.3	4.3
2	15.8	24.3	18.3	84.0	17.8	7.1	24.9	4.2
3	15.0	23.3	18.0	86.3	0.0	0.0	0.0	5.0
4	15.6	23.0	18.4	86.7	4.4	7.0	11.4	3.0
5	16.4	23.9	18.8	88.0	0.0	0.0	0.0	6.1
6	16.2	25.0	18.9	82.3	23.2	27.1	50.3	3.2
7	16.4	23.2	19.8	80.7	1.0	1.9	2.9	4.9
8	17.9	22.2	19.2	82.7	0.0	0.0	0.0	2.1
9	16.2	24.2	19.8	82.3	0.0	0.0	0.0	6.2
10	16.0	23.4	19.4	82.7	0.0	0.0	0.0	2.7
11	15.2	22.8	18.4	89.0	0.0	0.0	0.0	1.3
12	15.0	24.9	18.9	82.3	1.0	9.8	10.8	2.5
13	15.4	24.0	19.4	82.7	0.0	0.0	0.0	4.8
14	16.0	24.8	19.2	80.3	0.0	9.0	9.0	4.8
15	14.7	21.4	15.4	91.7	7.5	0.0	7.5	1.4
16	12.0	24.2	18.9	78.7	0.0	5.4	5.4	9.9
17	15.0	23.4	17.2	88.0	3.7	20.1	23.8	5.1
18	13.7	23.0	17.0	88.7	0.0	17.8	17.8	1.6
19	14.6	23.4	17.0	83.3	14.8	24.8	39.6	2.1
20	14.2	18.9	16.1	92.3	6.0	6.4	12.4	0.0
21	14.0	21.6	17.1	87.7	1.8	18.9	20.7	1.5
22	14.1	21.4	16.8	91.7	.1	0.0	.1	.1
23	14.0	22.4	17.2	86.3	1.2	0.0	1.2	3.0
24	13.0	20.0	16.5	88.0	.3	3.9	4.2	.2
25	14.0	22.4	17.6	83.7	0.0	1.1	1.1	4.5
26	14.9	21.4	16.7	91.3	.6	34.6	35.2	3.2
27	15.0	24.1	18.6	82.7	0.0	0.0	0.0	3.8
28	15.3	24.0	19.5	81.7	0.0	0.0	0.0	5.2
29	14.0	24.2	17.7	86.3	5.1	.1	5.2	3.1
30	14.8	23.4	17.6	88.0	9.1	1.7	10.8	.8
31								
Total :					97.6	197.0	294.6	100.6
Promedio :	15.0	23.1	18.1	85.4				

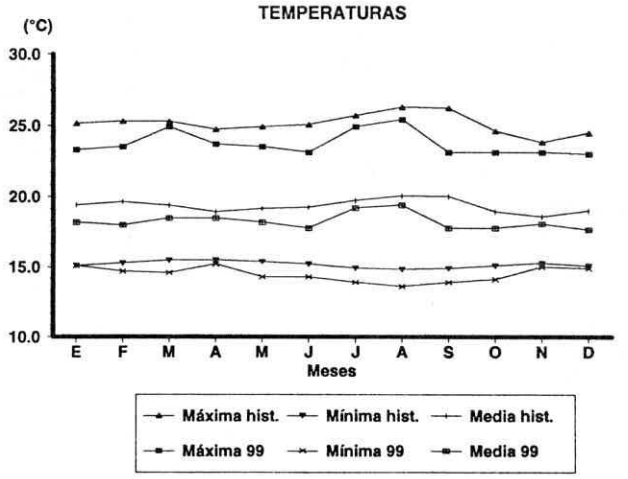
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.2	23.0	16.4	86.0	9.5	4.2	13.7	1.7
2	14.0	23.4	16.8	84.7	28.9	0.0	28.9	2.2
3	14.1	22.4	18.0	86.0	0.0	0.0	0.0	2.6
4	15.6	24.7	17.8	86.7	5.4	.6	6.0	.9
5	15.2	21.1	17.0	91.3	2.5	1.3	3.8	1.7
6	15.0	21.8	17.4	91.3	.3	.3	.6	2.2
7	15.1	26.0	18.8	83.7	0.0	0.0	0.0	2.7
8	16.0	25.2	19.7	83.3	0.0	0.0	0.0	3.8
9	15.2	24.7	18.5	84.7	0.0	0.0	0.0	4.4
10	14.0	25.2	17.4	86.3	18.6	.8	19.4	4.2
11	14.1	23.6	17.9	81.7	14.2	0.0	14.2	2.0
12	15.2	23.8	17.4	87.0	6.6	1.8	8.4	1.9
13	15.6	24.0	18.1	83.7	1.9	2.0	3.9	1.6
14	15.2	21.8	17.4	88.3	2.4	0.0	2.4	.8
15	15.7	22.9	17.8	87.7	0.0	0.0	0.0	1.3
16	15.2	21.8	17.8	86.7	15.4	19.8	35.2	.7
17	15.0	21.6	17.5	90.3	33.0	3.0	36.0	.7
18	15.4	22.6	18.0	86.7	.7	4.9	5.6	.7
19	15.0	22.8	18.2	86.3	0.0	0.0	0.0	1.8
20	15.8	23.8	19.2	84.3	0.0	.2	.2	2.7
21	16.0	23.0	18.4	85.3	2.2	24.6	26.8	3.5
22	15.1	22.2	17.5	90.7	2.7	1.1	3.8	.8
23	14.3	21.7	17.2	91.7	1.3	.5	1.8	2.6
24	14.2	21.0	15.7	93.3	10.8	6.1	16.9	3.8
25	13.9	21.4	17.6	86.3	0.0	2.8	2.8	4.0
26	14.4	23.4	18.7	78.3	.2	0.0	.2	.8
27	13.0	23.8	16.6	89.7	5.0	0.0	5.0	3.2
28	13.4	25.4	19.0	72.0	0.0	0.0	0.0	7.3
29	15.1	23.2	18.8	80.0	0.0	0.0	0.0	4.0
30	15.0	23.4	18.8	76.3	0.0	0.0	0.0	5.8
31	14.6	25.8	18.6	78.3	0.0	1.0	1.0	4.6
Total :					161.6	75.0	236.6	81.0
Promedio :	14.8	23.2	17.9	85.4				

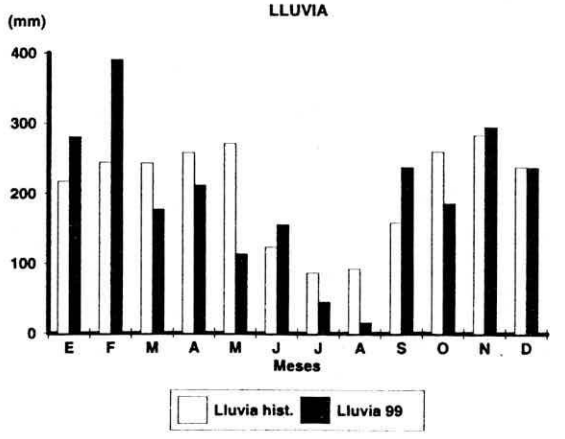
Estación : LA TRINIDAD
Año : 1999

Dpto. : CAUCA
Mpio. : PIENDAMO

Latitud : 2 ° 44 'N
Longitud : 76 ° 34 'W
Altitud : 1600 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	15.1	23.3	18.2	25.4	13.3	80.3	280.5	27	84.0
Febrero	14.7	23.5	18.0	27.0	13.4	80.2	390.0	25	75.4
Marzo	14.6	24.9	18.5	28.2	13.1	86.6	177.0	23	107.5
Abril	15.2	23.7	18.5	26.2	14.0	89.4	211.1	23	82.7
Mayo	14.3	23.5	18.2	27.8	12.3	87.8	113.2	22	112.5
Junio	14.3	23.1	17.8	25.6	12.0	89.7	155.2	21	91.2
Julio	13.9	24.9	19.2	28.0	11.2	79.1	45.0	14	163.7
Agosto	13.6	25.4	19.4	27.7	11.2	75.2	15.6	7	176.6
Septiembre	13.9	23.1	17.8	26.8	12.0	84.2	237.3	22	90.4
Octubre	14.1	23.1	17.8	25.6	12.4	85.0	185.7	22	99.9
Noviembre	15.0	23.1	18.1	25.0	12.0	85.4	294.6	21	100.6
Diciembre	14.8	23.2	17.9	26.0	13.0	85.4	236.6	22	81.0
Promedio :	14.5	23.7	18.3			84.0			
Absoluta :				28.2	11.2				
Total :							2341.8	249	1265.5





Estación : MANUEL MEJIA | **Dpto. : CAUCA** | **Latitud : 2 ° 25 'N**
Año : 1999 | **Mpio. : EL TAMBO** | **Longitud : 76 ° 45 'W**
Altitud : 1700 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.2	23.4	18.2	87.7	1.5	0.0	1.5	2.7
2	16.4	22.8	18.2	81.3	6.9	0.0	6.9	3.0
3	16.0	23.0	18.6	87.3	6.4	17.2	23.6	1.6
4	15.4	22.4	17.9	82.7	7.9	1.4	9.3	2.8
5	15.6	22.0	17.4	85.7	1.9	7.0	8.9	3.0
6	15.2	22.8	18.9	83.7	.2	.8	1.0	5.8
7	15.4	23.2	17.8	85.7	1.1	51.0	52.1	4.9
8	15.0	22.0	17.7	87.0	2.1	22.3	24.4	2.3
9	15.6	22.2	17.8	87.0	13.4	3.4	16.8	3.4
10	15.8	21.2	17.2	91.3	9.0	21.8	30.8	2.1
11	14.6	19.8	16.5	92.0	.3	1.2	1.5	.5
12	15.0	21.6	17.1	92.3	0.0	18.1	18.1	1.7
13	14.8	20.8	17.2	87.7	.9	1.2	2.1	2.0
14	14.0	21.0	16.3	87.7	3.2	0.0	3.2	2.5
15	13.8	22.2	16.4	85.3	.7	1.3	2.0	4.8
16	13.0	21.8	17.5	87.3	0.0	10.2	10.2	6.3
17	14.8	22.8	18.0	84.3	11.4	1.2	12.6	6.3
18	15.2	22.6	18.6	85.7	22.5	2.0	24.5	1.4
19	15.0	22.0	17.0	87.7	11.7	.4	12.1	2.2
20	15.1	22.6	18.0	91.3	.4	.5	.9	2.6
21	15.8	21.8	18.9	86.0	.3	0.0	.3	2.4
22	16.0	21.8	17.8	88.0	11.7	0.0	11.7	2.3
23	15.2	23.0	18.0	86.0	3.3	.9	4.2	5.5
24	15.8	21.0	17.8	92.3	4.8	0.0	4.8	1.4
25	15.4	22.0	18.0	92.0	10.8	8.2	19.0	1.4
26	16.0	22.4	18.3	84.7	3.2	.2	3.4	1.2
27	15.6	22.2	18.1	87.3	2.5	6.0	8.5	2.9
28	15.4	23.2	19.0	87.0	2.4	10.4	12.8	5.5
29	16.6	22.8	18.8	87.0	.5	0.0	.5	4.0
30	16.4	24.0	19.2	83.0	.2	.6	.8	6.0
31	16.0	25.4	20.3	78.3	0.0	0.0	0.0	7.9
Total :					141.2	187.3	328.5	102.4
Promedio :	15.4	22.3	18.0	86.8				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.9	24.2	17.6	84.3	13.5	3.5	17.0	5.2
2	14.2	23.4	17.8	82.7	.9	14.8	15.7	8.0
3	14.2	23.2	17.7	81.0	0.0	.2	.2	4.3
4	14.8	23.4	18.2	83.3	.3	2.3	2.6	6.1
5	15.0	21.0	17.8	87.7	0.0	.5	.5	2.0
6	15.2	23.2	18.4	80.3	0.0	35.4	35.4	6.5
7	14.6	24.0	18.8	82.7	1.0	1.4	2.4	6.5
8	15.8	24.4	20.1	79.0	0.0	0.0	0.0	7.5
9	15.2	22.6	18.5	88.3	0.0	0.0	0.0	7.3
10	16.0	21.4	18.3	85.0	13.4	0.0	13.4	.6
11	14.8	23.4	18.8	80.7	.3	0.0	.3	2.6
12	15.6	23.6	18.7	86.7	0.0	0.0	0.0	3.5
13	15.4	20.6	17.0	91.7	8.6	.1	8.7	1.2
14	14.8	22.4	17.2	91.0	1.4	2.2	3.6	3.6
15	15.8	21.4	17.6	85.0	3.9	26.8	30.7	.6
16	15.2	22.8	17.7	84.0	.2	93.2	93.4	3.4
17	14.0	21.6	16.2	85.7	.7	.7	1.4	2.2
18	14.4	20.8	17.2	87.0	0.0	0.0	0.0	.7
19	15.0	22.0	17.5	90.0	.5	39.4	39.9	1.4
20	14.0	22.8	16.5	86.0	18.0	0.0	18.0	1.7
21	12.8	21.8	16.7	85.7	0.0	20.0	20.0	1.2
22	14.0	20.0	16.8	86.0	.4	0.0	.4	2.1
23	15.2	22.0	17.2	82.7	35.9	5.8	41.7	3.3
24	15.0	20.4	17.2	86.3	1.1	1.6	2.7	2.0
25	14.8	22.8	17.6	88.0	11.4	0.0	11.4	1.7
26	15.0	23.8	17.7	84.3	14.2	9.1	23.3	4.4
27	14.9	22.6	18.1	84.0	1.4	49.0	50.4	3.1
28	14.8	21.4	17.8	82.7	.1	12.0	12.1	.2
29								
30								
31								
Total :					127.2	318.0	445.2	92.9
Promedio :	14.8	22.4	17.7	85.1				

Estación : MANUEL MEJIA
Año : 1999

Dpto. : CAUCA
Mpio. : EL TAMBO

Latitud : 2 ° 25 'N
Longitud : 76 ° 45 'W
Altitud : 1700 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	19.6	16.2	90.3	2.8	10.3	13.1	.1
2	14.8	23.0	17.2	84.3	.8	.4	1.2	5.4
3	15.0	22.8	17.6	84.0	0.0	0.0	0.0	4.2
4	14.9	24.6	17.5	84.0	0.0	0.0	0.0	1.9
5	14.8	22.4	18.2	87.3	1.0	0.0	1.0	3.8
6	14.6	24.4	17.4	84.7	17.7	0.0	17.7	7.9
7	14.0	23.4	17.8	82.3	0.0	0.0	0.0	5.5
8	14.6	24.0	17.9	83.7	24.5	.7	25.2	7.4
9	14.8	23.2	18.0	80.0	0.0	.4	.4	4.2
10	15.4	24.4	18.4	78.7	0.0	0.0	0.0	7.2
11	12.2	25.6	19.7	70.7	0.0	0.0	0.0	9.1
12	12.4	25.4	19.6	69.3	0.0	0.0	0.0	7.9
13	12.8	24.8	19.0	76.7	.3	0.0	.3	4.6
14	14.2	24.4	18.8	82.3	.7	5.4	6.1	5.3
15	14.5	22.0	16.6	93.3	17.5	20.6	38.1	1.7
16	14.4	22.4	18.2	83.0	1.8	.4	2.2	2.4
17	15.2	23.6	18.8	83.0	.1	19.4	19.5	6.7
18	14.2	22.5	17.4	90.0	.6	.3	.9	3.8
19	14.5	23.6	17.8	85.7	10.4	21.9	32.3	3.9
20	14.5	21.6	17.7	87.0	0.0	1.1	1.1	3.3
21	14.8	20.4	17.4	86.7	4.4	0.0	4.4	2.4
22	15.6	22.1	17.7	89.7	.2	0.0	.2	2.4
23	15.4	23.2	18.6	86.7	0.0	0.0	0.0	2.8
24	15.8	24.8	19.5	83.0	0.0	0.0	0.0	5.4
25	16.6	22.8	18.8	89.0	0.0	0.0	0.0	1.8
26	14.6	25.2	19.7	75.7	0.0	0.0	0.0	5.4
27	16.8	22.1	18.8	84.3	0.0	0.0	0.0	0.0
28	16.6	23.4	18.6	84.3	9.5	19.4	28.9	3.4
29	15.8	22.4	19.2	88.3	1.2	0.0	1.2	4.1
30	15.4	23.6	18.4	85.3	1.0	.5	1.5	4.5
31	16.0	25.0	18.2	83.0	3.5	0.0	3.5	4.0
Total :					98.0	100.8	198.8	132.5
Promedio :	14.8	23.3	18.2	83.8				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.2	22.8	18.4	87.0	0.0	0.0	0.0	.7
2	15.4	25.6	19.8	79.7	0.0	15.8	15.8	6.0
3	16.2	24.8	19.0	82.3	7.3	3.2	10.5	2.1
4	16.0	21.8	17.4	90.7	25.9	9.8	35.7	.1
5	14.6	23.8	18.6	83.0	.1	11.8	11.9	4.7
6	15.4	24.4	18.5	82.3	.6	.2	.8	5.3
7	16.2	22.4	18.0	91.3	1.2	1.3	2.5	2.3
8	15.8	23.8	18.0	87.0	23.6	62.6	86.2	5.0
9	15.0	22.9	18.4	84.0	1.8	18.8	20.6	1.5
10	14.8	21.0	16.7	89.0	8.3	6.9	15.2	.4
11	14.4	23.2	18.6	84.7	.6	0.0	.6	3.1
12	16.2	24.2	18.7	83.3	2.3	0.0	2.3	3.6
13	15.4	22.8	19.1	85.3	0.0	0.0	0.0	1.4
14	15.8	22.8	18.9	85.0	.2	0.0	.2	.2
15	16.0	23.0	18.4	90.0	.3	0.0	.3	6.1
16	15.4	26.4	20.2	69.0	0.0	0.0	0.0	6.3
17	13.6	28.2	20.4	59.3	0.0	0.0	0.0	6.7
18	15.4	25.0	20.2	72.0	0.0	0.0	0.0	4.5
19	15.9	24.0	19.2	84.0	.6	0.0	.6	3.2
20	15.8	25.4	19.2	80.0	0.0	0.0	0.0	5.2
21	14.4	25.0	20.0	77.7	0.0	0.0	0.0	6.2
22	14.0	26.9	19.8	81.7	.4	.4	.8	6.2
23	16.8	22.1	19.0	84.0	2.4	0.0	2.4	.8
24	15.5	22.8	19.1	83.0	0.0	0.0	0.0	3.1
25	15.6	24.2	18.7	83.0	1.0	9.0	10.0	1.8
26	15.8	22.6	18.2	85.0	8.6	.1	8.7	1.4
27	15.0	20.2	16.4	90.7	8.7	0.0	8.7	.5
28	13.4	22.8	18.0	84.7	.6	0.0	.6	3.1
29	15.8	26.4	19.0	81.0	0.0	3.0	3.0	5.6
30	14.5	19.6	16.2	90.3	10.1	0.0	10.1	.1
31								
Total :					104.6	142.9	247.5	97.2
Promedio :	15.3	23.7	18.7	83.0				

Estación : MANUEL MEJIA
Año : 1999

Dpto. : CAUCA
Mpio. : EL TAMBO

Latitud : 2 ° 25 'N
Longitud : 76 ° 45 'W
Altitud : 1700 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	12.8	22.8	17.6	86.7	.7	0.0	.7	3.7
2	15.0	22.2	18.2	86.0	2.1	9.0	11.1	4.4
3	15.2	22.8	18.4	84.0	0.0	14.7	14.7	4.8
4	15.4	20.0	17.7	88.3	0.0	0.0	0.0	1.6
5	14.8	23.4	17.8	90.7	1.9	28.0	29.9	5.8
6	14.2	22.8	17.0	85.3	2.4	3.4	5.8	3.8
7	15.2	24.0	17.8	80.0	2.4	0.0	2.4	6.0
8	14.4	22.4	17.8	92.3	2.6	4.0	6.6	4.1
9	14.0	20.8	17.4	88.3	1.5	11.3	12.8	2.9
10	14.4	23.0	17.4	82.7	3.4	.1	3.5	3.1
11	13.0	19.8	16.8	87.3	6.7	0.0	6.7	0.0
12	13.4	23.4	17.5	83.7	1.3	1.1	2.4	4.5
13	15.1	21.2	16.8	90.3	.1	0.0	.1	.6
14	13.0	22.0	17.8	84.7	0.0	0.0	0.0	4.7
15	13.2	21.8	17.0	92.0	6.3	0.0	6.3	2.5
16	14.4	23.2	17.6	85.3	0.0	12.4	12.4	5.0
17	15.0	24.0	18.6	80.3	0.0	0.0	0.0	4.3
18	14.6	23.0	18.6	86.0	1.2	0.0	1.2	2.2
19	13.8	24.0	19.0	71.7	0.0	.4	.4	5.6
20	15.0	22.6	18.3	76.3	0.0	0.0	0.0	1.0
21	11.8	24.8	19.2	77.7	0.0	0.0	0.0	8.9
22	13.6	25.4	18.8	81.3	0.0	0.0	0.0	7.2
23	13.4	24.9	19.0	79.3	0.0	0.0	0.0	6.0
24	13.7	25.6	19.6	79.3	0.0	0.0	0.0	7.9
25	16.0	24.2	17.9	83.7	1.5	0.0	1.5	3.5
26	15.4	22.8	17.8	84.0	.8	0.0	.8	2.9
27	13.4	25.4	18.4	82.0	.9	0.0	.9	5.0
28	15.0	24.8	18.8	79.0	0.0	1.2	1.2	5.4
29	15.6	25.4	19.4	80.0	0.0	0.0	0.0	6.5
30	14.4	26.0	20.2	71.3	0.0	0.0	0.0	5.4
31	12.6	25.4	20.7	63.0	0.0	0.0	0.0	10.9
Total :					35.8	85.6	121.4	140.2
Promedio :	14.2	23.4	18.2	82.7				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	11.8	25.0	19.0	78.0	0.0	.8	.8	5.7
2	15.2	24.8	18.5	87.0	2.6	0.0	2.6	2.3
3	13.4	23.4	18.9	81.0	0.0	0.0	0.0	1.8
4	15.4	20.2	16.6	91.0	5.8	0.0	5.8	.5
5	14.0	22.4	17.6	84.0	0.0	0.0	0.0	2.4
6	10.8	22.8	19.0	77.7	.9	0.0	.9	5.0
7	14.0	23.0	18.6	86.3	.7	.4	1.1	2.1
8	15.0	23.2	18.0	82.7	12.0	0.0	12.0	2.0
9	13.2	25.0	18.6	80.0	1.3	0.0	1.3	4.7
10	14.6	23.4	18.0	86.0	0.0	0.0	0.0	5.2
11	15.0	23.4	19.4	79.3	0.0	0.0	0.0	1.4
12	14.8	25.8	19.2	77.3	0.0	3.3	3.3	4.4
13	15.0	22.0	17.8	82.7	2.3	0.0	2.3	.5
14	14.6	24.2	18.2	79.3	3.9	0.0	3.9	3.0
15	11.8	23.6	18.7	77.0	0.0	0.0	0.0	3.9
16	16.0	22.2	18.0	85.3	0.0	2.4	2.4	2.0
17	15.2	22.4	18.4	85.7	0.0	0.0	0.0	1.9
18	15.4	23.0	18.2	81.7	6.7	0.0	6.7	.5
19	14.8	22.0	18.0	88.3	0.0	0.0	0.0	.6
20	16.2	23.0	18.2	88.3	0.0	0.0	0.0	1.4
21	16.4	20.8	18.4	87.3	3.4	0.0	3.4	.2
22	15.4	22.0	18.4	85.3	0.0	0.0	0.0	3.0
23	14.0	23.0	16.9	82.3	1.5	0.0	1.5	1.0
24	13.0	24.2	17.4	82.7	2.0	0.0	2.0	2.9
25	14.0	23.6	18.7	79.7	0.0	.3	.3	1.0
26	15.4	21.8	17.5	87.0	3.5	0.0	3.5	1.8
27	11.8	23.8	17.2	82.3	2.4	.2	2.6	3.7
28	14.4	22.0	17.8	81.0	5.0	0.0	5.0	1.0
29	10.0	21.0	16.5	83.7	2.0	0.0	2.0	.4
30	13.2	22.4	18.0	80.0	0.0	.6	.6	3.5
31								
Total :					56.0	8.0	64.0	69.8
Promedio :	14.1	23.0	18.1	83.0				

Estación : MANUEL MEJIA
Año : 1999

Dpto. : CAUCA
Mpio. : EL TAMBO

Latitud : 2 ° 25 'N
Longitud : 76 ° 45 'W
Altitud : 1700 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	13.6	22.4	17.1	84.3	2.4	0.0	2.4	2.1
2	14.2	21.4	16.4	86.0	2.9	.2	3.1	1.9
3	14.4	22.0	17.7	85.7	0.0	0.0	0.0	1.3
4	14.6	23.0	17.6	85.7	.5	.8	1.3	3.0
5	13.2	23.9	18.2	75.7	.8	0.0	.8	5.1
6	13.7	22.0	17.8	78.3	0.0	0.0	0.0	.3
7	12.9	22.7	17.5	79.3	0.0	0.0	0.0	2.4
8	10.1	24.0	18.4	66.3	0.0	0.0	0.0	8.7
9	10.0	24.3	19.0	50.0	0.0	0.0	0.0	9.2
10	8.2	24.5	17.7	58.7	0.0	0.0	0.0	10.5
11	10.0	24.1	17.1	65.3	0.0	0.0	0.0	10.8
12	11.0	24.6	18.6	65.0	0.0	0.0	0.0	4.8
13	13.8	25.6	20.9	46.7	0.0	0.0	0.0	9.0
14	13.0	26.4	20.6	49.7	0.0	0.0	0.0	6.4
15	10.4	25.4	19.0	61.7	0.0	0.0	0.0	6.8
16	11.8	25.1	18.8	62.3	0.0	0.0	0.0	7.0
17	12.6	25.8	19.2	70.0	0.0	0.0	0.0	7.9
18	12.8	26.0	19.3	74.0	0.0	0.0	0.0	6.8
19	11.4	24.8	18.0	75.7	0.0	0.0	0.0	5.2
20	14.0	24.4	18.8	80.0	0.0	.2	.2	4.0
21	14.8	26.8	20.8	56.7	0.0	0.0	0.0	6.0
22	15.8	25.8	19.0	73.0	0.0	0.0	0.0	5.8
23	13.8	24.4	18.0	83.3	.2	0.0	.2	3.0
24	13.0	23.4	18.0	77.0	0.0	0.0	0.0	3.5
25	13.8	27.2	20.5	57.7	0.0	0.0	0.0	4.9
26	14.8	25.9	20.6	59.0	0.0	0.0	0.0	5.8
27	12.4	25.6	19.6	62.7	0.0	.3	.3	5.0
28	15.6	25.4	20.4	63.3	0.0	0.0	0.0	6.2
29	13.6	24.8	19.5	71.3	.1	0.0	.1	3.5
30	11.4	27.0	20.8	56.0	0.0	0.0	0.0	5.5
31	13.8	27.6	21.2	57.3	0.0	0.0	0.0	4.9
Total :					6.9	1.5	8.4	167.3
Promedio :	12.9	24.7	18.9	68.3				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	26.0	20.0	56.0	0.0	0.0	0.0	9.0
2	12.8	25.8	19.8	48.7	0.0	0.0	0.0	10.0
3	13.3	22.8	18.2	66.3	0.0	0.0	0.0	4.7
4	9.3	26.0	18.4	64.3	0.0	0.0	0.0	8.5
5	9.8	24.5	18.5	74.7	0.0	0.0	0.0	6.2
6	14.7	25.6	19.6	75.7	3.6	0.0	3.6	5.0
7	15.9	24.6	18.3	82.7	1.0	.1	1.1	4.4
8	15.4	26.6	21.2	60.7	0.0	.7	.7	7.0
9	15.9	23.9	18.9	67.7	0.0	0.0	0.0	3.0
10	12.4	25.6	20.3	53.7	0.0	0.0	0.0	8.6
11	13.0	25.8	20.5	57.0	0.0	0.0	0.0	7.1
12	10.0	24.6	17.2	75.0	0.0	0.0	0.0	6.0
13	12.9	24.4	17.2	79.3	0.0	0.0	0.0	5.2
14	14.4	20.4	16.0	93.3	11.5	0.0	11.5	.3
15	11.8	24.8	19.0	59.7	0.0	0.0	0.0	5.5
16	13.6	26.2	19.9	55.7	0.0	0.0	0.0	8.2
17	10.0	26.8	18.8	68.3	0.0	0.0	0.0	8.1
18	10.2	27.9	19.6	57.0	0.0	0.0	0.0	10.0
19	10.1	27.6	20.2	51.0	0.0	0.0	0.0	9.4
20	9.2	25.8	19.0	62.7	0.0	0.0	0.0	8.0
21	11.8	25.2	17.7	72.3	0.0	.6	.6	4.6
22	12.6	26.5	18.0	75.3	5.2	0.0	5.2	5.6
23	12.0	25.8	18.6	73.0	0.0	0.0	0.0	7.0
24	11.8	27.2	19.0	77.3	1.5	0.0	1.5	6.2
25	12.8	24.0	17.2	90.3	17.8	0.0	17.8	2.1
26	13.8	25.0	17.8	79.7	3.1	0.0	3.1	5.1
27	13.6	25.4	18.6	77.7	16.7	0.0	16.7	2.7
28	13.2	25.1	19.8	72.3	0.0	0.0	0.0	4.7
29	12.8	27.6	21.0	64.7	0.0	0.0	0.0	9.4
30	12.5	28.4	20.6	56.0	0.0	0.0	0.0	9.0
31	11.9	27.9	21.0	57.7	0.0	0.0	0.0	9.0
Total :					60.4	1.4	61.8	199.6
Promedio :	12.5	25.6	19.0	67.9				

Estación : MANUEL MEJIA
Año : 1999

Dpto. : CAUCA
Mpio. : EL TAMBO

Latitud : 2 ° 25 'N
Longitud : 76 ° 45 'W
Altitud : 1700 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.4	26.8	19.0	74.7	1.4	.8	2.2	7.1
2	14.8	22.8	18.5	80.0	0.0	.3	.3	1.0
3	15.0	26.2	19.5	72.3	.2	0.0	.2	5.4
4	12.8	24.4	17.6	83.0	8.7	0.0	8.7	1.8
5	12.9	25.9	18.2	76.3	4.0	0.0	4.0	2.9
6	11.9	24.2	17.1	83.0	1.5	0.0	1.5	4.1
7	13.8	24.8	18.6	81.3	0.0	7.5	7.5	4.3
8	14.8	23.8	18.0	86.7	6.2	0.0	6.2	3.4
9	13.8	21.8	18.0	86.7	.7	69.0	69.7	3.3
10	14.8	20.2	16.6	86.3	16.3	5.2	21.5	0.0
11	14.2	23.0	18.3	79.3	0.0	1.3	1.3	2.6
12	15.2	22.0	16.7	86.7	10.3	0.0	10.3	1.0
13	14.6	22.8	18.6	79.0	1.1	34.6	35.7	2.8
14	14.0	19.6	16.0	85.0	0.0	0.0	0.0	2.0
15	13.8	25.1	19.4	73.7	0.0	.6	.6	4.2
16	15.8	25.0	19.4	79.3	0.0	0.0	0.0	4.7
17	15.4	23.0	17.3	84.0	5.9	0.0	5.9	2.5
18	13.0	24.8	18.9	68.7	0.0	0.0	0.0	5.2
19	13.8	25.9	18.2	79.7	9.1	.4	9.5	5.3
20	15.4	23.4	18.3	89.0	1.5	0.0	1.5	3.0
21	15.8	22.2	18.8	81.0	1.4	2.8	4.2	1.7
22	12.8	24.0	17.4	82.7	1.3	0.0	1.3	5.0
23	13.2	22.9	17.8	83.0	0.0	0.0	0.0	1.9
24	13.8	23.4	17.4	82.0	9.7	.1	9.8	4.8
25	15.4	21.0	16.8	91.3	20.2	1.0	21.2	1.6
26	14.2	23.1	17.2	85.0	7.3	11.6	18.9	2.7
27	14.9	20.4	16.9	85.7	1.9	.6	2.5	0.0
28	14.2	22.2	16.3	85.7	24.4	0.0	24.4	1.0
29	13.6	22.0	17.0	86.3	0.0	.5	.5	3.7
30	13.8	23.9	17.5	86.0	.3	.9	1.2	4.7
31								
Total					133.4	137.2	270.6	93.7
Promedio	14.2	23.4	17.8	82.1				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.6	23.0	17.0	83.7	16.6	.2	16.8	3.9
2	12.8	23.8	18.0	81.7	0.0	0.0	0.0	2.6
3	15.6	24.2	18.3	78.0	.1	.5	.6	4.9
4	15.8	24.6	19.4	75.0	0.0	0.0	0.0	6.2
5	13.6	23.4	17.8	89.0	4.7	0.0	4.7	3.3
6	14.8	22.8	17.2	84.3	10.2	16.2	26.4	1.9
7	13.8	23.8	18.2	75.0	0.0	0.0	0.0	7.3
8	14.2	24.6	19.8	71.3	0.0	0.0	0.0	6.6
9	13.0	24.8	19.3	68.7	0.0	0.0	0.0	5.5
10	11.6	24.9	18.4	77.3	.3	0.0	.3	5.9
11	14.9	24.4	18.8	82.0	0.0	.5	.5	4.3
12	15.8	21.2	17.4	87.7	19.3	0.0	19.3	1.4
13	13.8	25.2	17.5	89.0	.7	0.0	.7	5.9
14	11.9	23.6	18.0	75.3	0.0	0.0	0.0	1.5
15	15.0	23.4	18.7	80.0	0.0	0.0	0.0	5.3
16	13.6	25.0	17.8	81.3	1.9	0.0	1.9	3.8
17	14.9	24.2	18.8	78.3	11.0	4.4	15.4	2.9
18	15.3	23.0	17.8	81.7	0.0	10.3	10.3	7.0
19	15.2	22.6	18.8	89.3	0.0	0.0	0.0	3.5
20	16.0	24.2	19.8	76.7	0.0	0.0	0.0	5.6
21	15.0	25.4	18.0	82.0	60.3	2.4	62.7	4.7
22	15.8	23.8	18.7	81.0	0.0	1.9	1.9	3.8
23	15.9	21.6	18.0	85.0	1.3	2.9	4.2	.8
24	15.0	25.4	18.7	79.7	2.6	1	2.7	3.7
25	15.8	22.6	18.8	80.3	0.0	6.9	6.9	1.2
26	15.6	24.4	18.2	79.7	21.7	4.8	26.5	4.1
27	14.8	22.6	18.2	90.7	2.3	60.6	62.9	1.4
28	14.9	21.8	17.1	86.0	12.3	0.0	12.3	3.2
29	13.4	23.4	17.6	81.3	4.2	25.3	29.5	5.0
30	14.6	22.8	17.5	82.0	1.8	.5	2.3	1.3
31	15.4	22.2	18.4	88.3	0.0	0.0	0.0	2.5
Total					171.3	137.5	308.8	121.0
Promedio	14.6	23.6	18.3	81.3				

Estación : MANUEL MEJIA
Año : 1999

Dpto. : CAUCA
Mpio. : EL TAMBO

Latitud : 2 ° 25 'N
Longitud : 76 ° 45 'W
Altitud : 1700 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.4	23.4	18.2	84.3	5.6	.6	6.2	4.2
2	16.0	23.6	18.6	87.0	1.7	1.5	3.2	2.5
3	15.4	22.6	17.5	93.0	2.5	2.9	5.4	2.8
4	16.0	23.6	18.6	82.3	18.9	1.2	20.1	1.6
5	16.3	20.8	17.6	93.0	28.2	2.3	30.5	2.1
6	16.2	22.8	18.0	87.3	23.5	52.0	75.5	5.4
7	14.4	23.6	18.5	81.0	.1	35.9	36.0	5.1
8	15.0	22.4	18.2	88.3	1.3	.6	1.9	2.7
9	16.0	24.2	19.3	86.7	13.8	0.0	13.8	5.3
10	16.1	23.2	19.4	84.3	0.0	0.0	0.0	3.4
11	16.4	24.0	18.0	87.0	45.0	.8	45.8	1.6
12	15.0	22.2	18.4	89.3	2.4	2.6	5.0	3.6
13	15.8	23.6	18.0	85.7	1.9	14.0	15.9	4.5
14	15.6	25.0	18.2	81.3	0.0	26.0	26.0	8.2
15	15.6	20.4	16.0	91.0	.9	0.0	.9	1.1
16	10.0	25.2	19.2	71.0	0.0	24.3	24.3	9.0
17	14.6	23.0	17.2	86.7	24.0	8.9	32.9	3.9
18	14.4	21.2	17.3	89.7	.2	5.9	6.1	2.8
19	15.4	22.8	18.2	87.0	0.0	8.1	8.1	1.8
20	15.0	20.0	16.2	90.3	1.4	0.0	1.4	.2
21	14.6	20.4	16.2	93.0	47.3	26.5	73.8	.3
22	15.0	21.9	17.3	85.7	9.3	2.0	11.3	.5
23	15.2	22.0	16.9	89.3	1.0	1.3	2.3	2.2
24	15.4	21.6	17.0	86.3	7.7	2.7	10.4	1.8
25	14.8	21.8	17.8	85.3	0.0	4.7	4.7	5.2
26	15.6	21.2	17.3	92.0	6.0	0.0	6.0	2.0
27	15.8	22.6	18.0	88.0	15.0	0.0	15.0	2.9
28	16.2	22.9	18.8	84.7	0.0	0.0	0.0	6.5
29	16.5	22.6	18.4	83.7	0.0	0.0	0.0	4.1
30	16.2	21.8	17.3	87.7	15.7	3.5	19.2	3.7
31								
Total					273.4	228.3	501.7	101.0
Promedio	15.4	22.5	17.9	86.7				

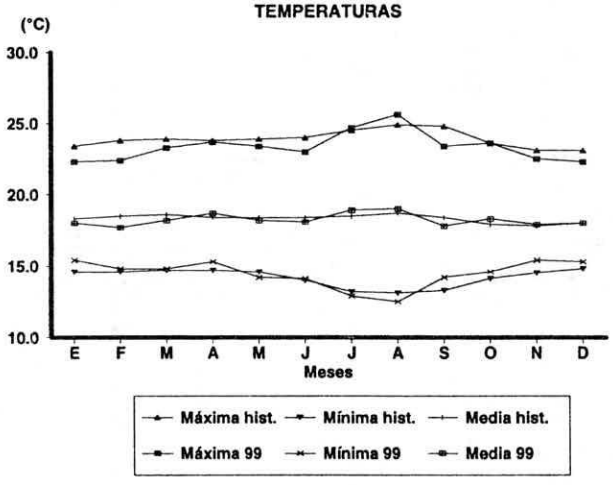
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.2	21.2	17.0	85.7	20.4	26.5	46.9	2.4
2	14.8	20.8	17.4	87.0	.2	.9	1.1	3.0
3	15.0	23.8	18.6	84.0	0.0	1.4	1.4	4.6
4	15.8	23.0	17.9	83.3	5.9	1.0	6.9	5.1
5	16.0	20.4	17.6	87.3	3.4	17.4	20.8	1.0
6	15.2	19.8	17.0	93.7	0.0	0.0	0.0	.2
7	15.8	23.0	18.4	85.3	0.0	1.1	1.1	3.7
8	16.0	23.8	18.7	85.7	3.9	0.0	3.9	5.6
9	16.6	24.0	19.3	82.7	.8	.1	.9	6.9
10	16.4	23.4	18.4	85.0	.9	0.0	.9	5.4
11	15.0	22.9	19.2	86.0	0.0	17.1	17.1	2.9
12	16.4	22.8	18.2	85.3	1.5	2.7	4.2	3.6
13	15.9	22.2	18.2	87.3	3.0	7.1	10.1	2.8
14	15.6	22.4	18.2	86.3	4.7	.1	4.8	1.2
15	15.8	20.6	17.4	93.0	7.7	3.5	11.2	1.2
16	15.2	22.4	17.8	85.3	8.0	23.0	31.0	3.2
17	15.0	21.7	17.3	88.7	8.0	2.0	10.0	3.0
18	15.2	22.6	18.3	85.3	0.0	14.0	14.0	3.3
19	14.8	22.2	18.2	86.3	4.5	0.0	4.5	2.4
20	16.8	22.5	18.4	86.3	6.0	64.0	70.0	3.0
21	15.8	22.0	18.1	87.3	34.0	18.0	52.0	2.7
22	16.0	21.2	17.2	90.0	3.5	20.0	23.5	2.0
23	15.0	22.1	18.2	86.0	0.0	4.5	4.5	7.4
24	14.6	18.6	15.6	94.3	19.0	38.0	57.0	.2
25	14.0	22.0	17.1	85.0	0.0	.1	.1	6.9
26	14.4	22.6	17.4	83.3	.8	0.0	.8	3.4
27	15.0	23.0	17.7	81.3	0.0	0.0	0.0	5.7
28	14.0	23.2	18.6	75.3	0.0	.5	.5	8.8
29	14.0	22.4	18.4	81.7	0.0	14.6	14.6	6.7
30	15.2	24.2	18.9	79.3	0.0	7.0	7.0	7.9
31	15.0	24.2	18.7	82.0	0.0	5.3	5.3	6.0
Total					136.2	289.9	426.1	122.2
Promedio	15.3	22.3	18.0	85.6				

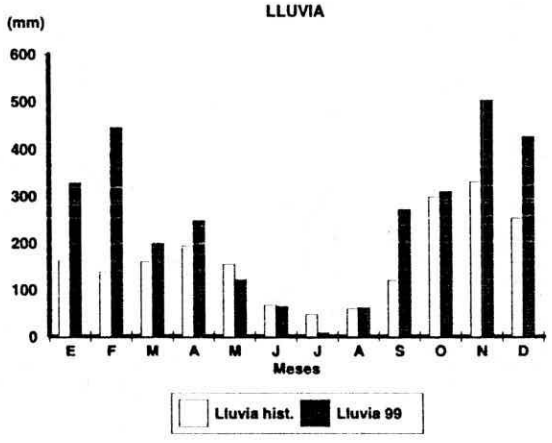
Estación : MANUEL MEJIA
Año : 1999

Dpto. : CAUCA
Mpio. : EL TAMBO

Latitud : 2 ° 25 'N
Longitud : 76 ° 45 'W
Altitud : 1700 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	15.4	22.3	18.0	25.4	13.0	86.8	328.5	30	102.4
Febrero	14.8	22.4	17.7	24.4	12.8	85.1	445.2	24	92.9
Marzo	14.8	23.3	18.2	25.6	12.2	83.8	198.8	20	132.5
Abril	15.3	23.7	18.7	28.2	13.4	83.0	247.5	22	97.2
Mayo	14.2	23.4	18.2	26.0	11.8	82.7	121.4	20	140.2
Junio	14.1	23.0	18.1	25.8	10.0	83.0	64.0	21	69.8
Julio	12.9	24.7	18.9	27.6	8.2	68.3	8.4	8	167.3
Agosto	12.5	25.6	19.0	28.4	9.2	67.9	61.8	10	199.6
Septiembre	14.2	23.4	17.8	26.8	11.9	82.1	270.6	26	93.7
Octubre	14.6	23.6	18.3	25.4	11.6	81.3	308.8	21	121.0
Noviembre	15.4	22.5	17.9	25.2	10.0	86.7	501.7	27	101.0
Diciembre	15.3	22.3	18.0	24.2	14.0	85.6	426.1	29	122.2
Promedio :	14.5	23.3	18.2			81.4			
Absoluta :				28.4	8.2				
Total :							2982.8	258	1439.8





Estación : PUEBLO BELLO
Año : 1999

Dpto. : CESAR
Mpio. : VALLEDUPAR

Latitud : 10 ° 25 'N
Longitud : 73 ° 34 'W
Altitud : 1000 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.2	27.7	20.7	81.3	0.0	0.0	0.0	8.2
2	15.4	26.6	21.2	75.3	0.0	0.0	0.0	8.7
3	15.2	26.1	19.7	79.0	0.0	0.0	0.0	9.3
4	12.4	26.6	18.8	76.0	0.0	0.0	0.0	9.9
5	14.0	26.5	19.4	74.0	0.0	0.0	0.0	9.3
6	11.8	27.5	18.2	74.3	0.0	0.0	0.0	10.0
7	12.4	25.8	18.0	70.3	0.0	0.0	0.0	9.6
8	10.2	25.8	18.1	74.3	0.0	0.0	0.0	9.6
9	12.0	26.7	19.6	73.3	0.0	0.0	0.0	8.7
10	14.0	26.1	19.2	82.3	9.0	.1	9.1	6.0
11	16.8	25.2	20.2	80.0	3.0	0.0	3.0	5.0
12	13.3	25.4	19.1	75.7	0.0	0.0	0.0	5.8
13	13.5	25.8	19.2	77.3	0.0	0.0	0.0	7.0
14	13.2	24.7	19.4	71.3	0.0	0.0	0.0	8.4
15	12.3	25.4	18.2	73.7	0.0	0.0	0.0	9.6
16	11.5	25.6	17.9	74.3	0.0	0.0	0.0	9.2
17	11.4	26.2	18.4	70.7	0.0	0.0	0.0	8.3
18	12.3	26.0	19.3	74.0	0.0	0.0	0.0	8.3
19	13.2	26.9	19.2	71.0	0.0	0.0	0.0	9.6
20	10.9	27.0	19.9	65.3	0.0	0.0	0.0	9.1
21	12.6	27.0	20.1	69.3	0.0	0.0	0.0	8.9
22	13.6	26.8	20.8	71.0	0.0	0.0	0.0	8.2
23	14.3	26.6	20.5	69.7	0.0	0.0	0.0	9.5
24	14.0	26.3	20.1	68.3	0.0	0.0	0.0	6.3
25	13.3	28.3	20.3	67.3	0.0	0.0	0.0	6.9
26	13.6	27.7	21.2	60.7	0.0	0.0	0.0	7.8
27	13.5	28.0	19.8	61.7	0.0	0.0	0.0	7.2
28	12.0	26.5	18.9	65.7	0.0	0.0	0.0	8.9
29	12.3	27.9	20.0	68.7	0.0	0.0	0.0	8.2
30	13.8	27.6	20.4	67.3	0.0	0.0	0.0	9.4
31	13.6	27.5	20.0	73.7	0.0	0.0	0.0	8.9
Total :					12.0	.1	12.1	259.8
Promedio :	13.1	26.6	19.5	72.2				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.2	27.0	20.6	63.7	0.0	0.0	0.0	7.5
2	13.5	27.0	20.0	63.7	0.0	0.0	0.0	8.4
3	11.6	27.7	20.0	58.7	0.0	0.0	0.0	9.9
4	11.2	27.4	19.6	64.7	0.0	0.0	0.0	7.8
5	12.2	27.0	20.2	58.3	0.0	0.0	0.0	9.2
6	12.4	27.5	19.4	61.0	0.0	0.0	0.0	6.7
7	12.2	27.0	19.8	64.7	0.0	0.0	0.0	7.1
8	13.4	28.2	20.8	61.7	0.0	0.0	0.0	8.4
9	13.5	28.8	22.0	63.0	0.0	0.0	0.0	9.0
10	15.0	29.0	19.7	77.0	10.6	.1	10.7	5.3
11	14.7	28.0	19.8	76.3	4.7	0.0	4.7	5.2
12	14.0	27.4	20.4	77.0	0.0	0.0	0.0	8.2
13	15.3	27.7	19.3	82.7	27.4	.8	28.2	4.7
14	18.4	23.7	20.3	84.3	0.0	0.0	0.0	0.0
15	15.4	26.0	19.8	82.7	2.0	3.3	5.3	3.7
16	15.0	26.0	19.4	79.0	.7	0.0	.7	6.5
17	14.4	25.3	19.6	81.7	.2	0.0	.2	5.6
18	17.5	25.8	20.2	81.7	1.5	0.0	1.5	4.3
19	17.0	26.6	20.2	82.0	2.2	0.0	2.2	5.2
20	15.0	27.0	20.1	80.0	1.3	0.0	1.3	5.5
21	17.4	25.8	20.0	82.3	.5	0.0	.5	2.7
22	16.2	24.7	20.2	81.3	0.0	.3	.3	4.6
23	16.8	25.8	20.6	74.3	0.0	0.0	0.0	4.5
24	14.9	25.2	19.8	75.3	0.0	0.0	0.0	1.7
25	13.2	26.7	19.8	60.7	0.0	0.0	0.0	8.7
26	12.2	27.3	20.9	61.0	0.0	0.0	0.0	9.2
27	14.9	27.7	20.3	73.0	0.0	0.0	0.0	7.0
28	13.2	27.0	19.6	72.0	0.0	0.0	0.0	6.1
29								
30								
31								
Total :					51.1	4.5	55.6	172.7
Promedio :	14.5	26.8	20.1	72.3				

Estación : PUEBLO BELLO
Año : 1999

Dpto. : CESAR
Mpio. : VALLEDUPAR

Latitud : 10 ° 25 'N
Longitud : 73 ° 34 'W
Altitud : 1000 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	25.8	20.5	61.7	0.0	0.0	0.0	3.2
2	15.8	20.2	18.3	87.7	.7	0.0	.7	0.0
3	14.2	27.0	20.8	69.3	0.0	0.0	0.0	8.5
4	14.5	28.5	22.4	59.3	0.0	0.0	0.0	8.9
5	15.3	28.6	22.1	65.3	0.0	0.0	0.0	8.8
6	14.0	30.4	21.2	68.0	0.0	0.0	0.0	9.1
7	12.5	28.4	19.6	70.3	0.0	0.0	0.0	6.9
8	13.6	27.8	20.8	67.3	0.0	0.0	0.0	6.6
9	13.7	27.4	20.5	60.0	0.0	0.0	0.0	8.5
10	13.2	28.2	19.7	68.7	0.0	0.0	0.0	7.5
11	14.5	28.5	21.6	60.0	0.0	0.0	0.0	7.8
12	14.9	29.6	22.3	63.0	0.0	0.0	0.0	6.5
13	15.5	29.8	20.9	75.3	1.5	0.0	1.5	5.7
14	17.1	28.4	19.8	78.7	63.2	1.4	64.6	4.4
15	17.0	26.2	19.2	85.0	35.6	.2	35.8	2.4
16	16.5	26.0	20.2	81.3	8.4	0.0	8.4	5.7
17	14.5	27.8	20.2	71.3	0.0	0.0	0.0	9.5
18	13.5	27.2	20.0	73.3	0.0	0.0	0.0	7.2
19	14.8	27.8	21.7	61.7	0.0	0.0	0.0	6.0
20	15.0	27.5	20.3	70.7	0.0	0.0	0.0	5.8
21	15.5	27.4	20.6	73.3	0.0	0.0	0.0	6.0
22	17.3	27.0	21.2	73.7	0.0	0.0	0.0	5.5
23	18.4	25.8	20.8	83.0	4.3	0.0	4.3	4.0
24	15.6	26.5	21.3	71.7	0.0	0.0	0.0	6.1
25	15.0	27.8	21.2	74.3	0.0	0.0	0.0	7.0
26	14.9	29.5	22.2	68.3	0.0	0.0	0.0	8.7
27	16.4	27.5	20.2	79.7	7.8	.1	7.9	4.9
28	16.0	26.3	19.3	91.7	35.3	0.0	35.3	5.2
29	16.0	25.5	20.6	83.7	0.0	0.0	0.0	6.5
30	15.2	27.3	20.6	78.3	0.0	0.0	0.0	6.6
31	15.0	27.6	21.0	73.3	0.0	0.0	0.0	8.4
Total :					156.8	1.7	158.5	197.9
Promedio :	15.2	27.4	20.7	72.5				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.3	27.5	21.0	75.7	0.0	0.0	0.0	4.8
2	16.0	27.0	21.4	80.0	0.0	29.5	29.5	6.9
3	16.5	27.2	21.4	80.7	0.0	0.0	0.0	7.7
4	17.0	25.4	20.2	87.7	15.6	.1	15.7	1.5
5	14.8	24.8	19.6	88.0	.2	0.0	.2	6.6
6	15.2	27.2	21.8	77.7	0.0	0.0	0.0	8.6
7	16.4	25.8	20.8	77.7	0.0	3.8	3.8	5.4
8	15.9	25.0	19.3	87.3	24.6	0.0	24.6	2.6
9	16.8	24.5	19.7	89.0	20.7	2.0	22.7	1.5
10	16.2	26.0	20.5	87.3	5.6	4.4	10.0	2.2
11	17.5	25.5	21.2	90.0	0.0	0.0	0.0	1.5
12	16.6	26.5	20.9	78.0	0.0	0.0	0.0	8.8
13	14.7	26.8	20.2	85.0	0.0	0.0	0.0	5.0
14	15.5	26.8	21.8	81.3	0.0	0.0	0.0	7.5
15	17.2	28.0	22.4	83.7	0.0	0.0	0.0	7.4
16	16.4	28.4	22.7	67.3	0.0	0.0	0.0	8.9
17	14.0	28.6	20.7	68.3	0.0	0.0	0.0	9.7
18	13.0	28.8	22.4	64.0	0.0	0.0	0.0	8.9
19	14.7	28.0	21.6	71.3	0.0	0.0	0.0	9.9
20	14.9	29.2	22.0	73.7	0.0	0.0	0.0	7.5
21	16.5	29.0	22.4	77.3	0.0	0.0	0.0	7.7
22	16.7	28.5	22.0	80.7	1.3	0.0	1.3	6.0
23	16.2	28.2	22.1	78.3	.1	.4	.5	6.9
24	19.3	25.8	21.2	86.7	0.0	5.1	5.1	2.4
25	18.0	24.4	20.4	82.0	.5	0.0	.5	1.3
26	17.0	26.2	20.6	85.0	.6	.4	1.0	1.6
27	17.4	25.8	20.2	85.0	1.0	0.0	1.0	2.4
28	14.8	26.5	19.8	83.3	20.7	.9	21.6	5.5
29	17.3	25.8	20.0	85.7	24.9	.5	25.4	4.3
30	16.2	26.7	20.4	88.7	.4	.3	.7	3.8
31								
Total :					116.2	47.4	163.6	164.8
Promedio :	16.1	26.8	21.0	80.9				

Estación : PUEBLO BELLO
Año : 1999

Dpto. : CESAR
Mpio. : VALLEDUPAR

Latitud : 10 ° 25 'N
Longitud : 73 ° 34 'W
Altitud : 1000 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.4	26.5	21.0	82.0	6.6	.6	7.2	7.9
2	16.0	25.7	21.6	84.0	0.0	0.0	0.0	3.3
3	16.7	27.5	22.2	80.7	0.0	0.0	0.0	7.6
4	16.5	27.2	20.7	78.3	0.0	0.0	0.0	6.6
5	14.7	28.3	21.8	78.3	0.0	0.0	0.0	8.8
6	17.8	27.0	21.8	79.3	0.0	0.0	0.0	5.1
7	15.8	26.5	19.6	81.0	17.1	0.0	17.1	6.2
8	17.4	27.5	20.7	83.7	13.1	1.6	14.7	4.8
9	15.5	27.4	20.1	82.0	86.0	7.6	93.6	4.4
10	16.0	26.7	19.8	83.0	0.0	0.0	0.0	1.9
11	15.2	27.8	21.5	74.7	0.0	6.2	6.2	5.6
12	17.8	26.3	20.2	89.7	11.4	35.7	47.1	4.2
13	15.7	26.4	20.3	84.0	1.9	0.0	1.9	2.5
14	15.8	26.5	21.2	83.0	0.0	0.0	0.0	8.0
15	16.5	28.0	22.2	82.3	0.0	0.0	0.0	9.5
16	17.5	26.8	21.6	82.3	.1	0.0	.1	5.8
17	16.2	27.8	22.5	78.0	0.0	0.0	0.0	8.5
18	16.4	27.5	22.0	76.7	0.0	0.0	0.0	7.2
19	16.0	28.7	22.4	75.0	0.0	.9	.9	5.8
20	16.1	27.8	20.9	75.7	12.0	6.1	18.1	8.8
21	17.8	26.5	21.5	84.7	.7	0.0	.7	5.1
22	14.8	27.8	21.3	78.7	0.0	0.0	0.0	7.0
23	16.4	28.0	21.7	78.7	0.0	0.0	0.0	4.1
24	15.0	29.4	23.4	80.0	0.0	0.0	0.0	8.8
25	16.6	28.5	22.8	77.0	0.0	2.4	2.4	8.6
26	17.2	27.5	22.0	82.3	0.0	0.0	0.0	9.8
27	14.5	27.2	22.0	69.7	0.0	0.0	0.0	8.9
28	14.6	29.0	23.0	67.7	0.0	0.0	0.0	9.4
29	16.4	28.3	21.0	86.3	7.7	.2	7.9	7.1
30	17.5	26.0	19.7	87.7	29.9	.1	30.0	3.1
31	16.6	28.0	21.5	81.3	7.1	.1	7.2	6.2
Total					193.6	61.5	255.1	200.6
Promedio	16.2	27.4	21.4	80.3				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.5	26.3	20.2	81.0	12.8	0.0	12.8	2.8
2	14.9	27.7	22.6	67.3	0.0	0.0	0.0	9.8
3	14.8	27.8	22.5	73.0	0.0	0.0	0.0	8.7
4	16.0	27.3	21.8	78.0	1.1	1.5	2.6	6.8
5	18.8	26.4	22.3	81.3	0.0	0.0	0.0	5.4
6	18.4	26.3	22.6	79.0	.3	3.7	4.0	5.5
7	19.2	26.8	21.1	82.0	41.0	0.0	41.0	5.4
8	17.8	25.0	21.6	85.7	0.0	26.6	26.6	3.0
9	18.5	24.5	20.7	83.7	19.1	0.0	19.1	.3
10	16.4	27.2	21.6	79.7	.2	0.0	.2	7.8
11	16.5	27.8	21.2	81.3	5.2	1.1	6.3	5.6
12	17.5	27.5	22.2	77.0	0.0	0.0	0.0	3.6
13	17.2	27.6	22.4	78.3	0.0	7.4	7.4	5.1
14	18.0	26.8	21.6	74.7	14.4	.1	14.5	2.2
15	18.6	26.5	21.8	79.0	0.0	0.0	0.0	2.6
16	18.5	26.5	20.4	81.7	3.0	5.0	8.0	5.4
17	17.5	26.6	20.5	80.3	3.3	.7	4.0	5.4
18	18.0	25.5	20.8	85.3	.9	1.1	2.0	3.2
19	19.0	26.0	21.6	76.0	0.0	0.0	0.0	3.3
20	18.3	27.6	22.3	81.3	1.5	.5	2.0	6.2
21	17.0	26.5	22.1	84.7	0.0	0.0	0.0	3.9
22	17.0	26.3	21.5	79.3	0.0	0.0	0.0	6.1
23	15.5	26.8	21.3	83.0	1.9	.5	2.4	8.3
24	17.7	25.0	21.8	83.0	0.0	4.4	4.4	3.7
25	17.5	26.9	21.5	81.7	0.0	0.0	0.0	6.6
26	16.5	26.0	21.2	80.7	0.0	0.0	0.0	8.6
27	15.2	25.4	19.7	87.3	63.8	3.1	66.9	2.3
28	17.8	25.7	20.8	80.7	.1	.1	.2	5.1
29	18.5	26.7	21.1	80.0	20.8	6.2	27.0	3.3
30	15.5	26.4	20.6	84.0	1.4	0.0	1.4	6.5
31								
Total					190.8	62.0	252.8	152.5
Promedio	17.3	26.5	21.4	80.3				

Estación : PUEBLO BELLO
Año : 1999

Dpto. : CESAR
Mpio. : VALLEDUPAR

Latitud : 10 ° 25 'N
Longitud : 73 ° 34 'W
Altitud : 1000 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.2	25.5	21.0	82.0	.2	0.0	.2	6.4
2	16.2	25.8	21.1	80.7	0.0	0.0	0.0	9.0
3	15.6	26.5	20.8	78.0	0.0	2.3	2.3	8.5
4	16.2	25.5	20.9	78.0	0.0	0.0	0.0	9.0
5	14.3	26.7	21.1	75.7	0.0	0.0	0.0	8.3
6	14.6	27.8	21.4	76.0	0.0	.3	.3	8.9
7	16.9	25.5	19.7	85.3	8.4	0.0	8.4	4.8
8	15.2	25.0	21.0	83.7	.1	.2	.3	8.1
9	16.0	27.5	20.2	77.0	8.1	.1	8.2	5.2
10	16.8	26.7	20.0	76.3	6.0	0.0	6.0	6.4
11	14.4	26.6	20.4	74.3	0.0	0.0	0.0	8.4
12	14.5	27.7	20.8	78.7	.6	.1	.7	6.1
13	17.2	27.0	22.6	77.0	0.0	0.0	0.0	8.5
14	17.0	28.2	22.8	67.7	0.0	0.0	0.0	9.6
15	15.3	28.0	21.3	64.7	0.0	0.0	0.0	10.3
16	14.7	26.8	20.4	80.0	2.7	0.0	2.7	5.8
17	16.6	27.4	21.9	79.0	0.0	0.0	0.0	8.1
18	18.2	26.3	22.2	75.0	0.0	0.0	0.0	7.0
19	15.6	28.4	21.6	71.3	0.0	0.0	0.0	7.8
20	14.0	27.5	20.6	66.0	0.0	0.0	0.0	10.0
21	15.0	27.0	21.2	73.7	0.0	0.0	0.0	3.7
22	15.5	28.3	21.0	80.0	0.0	0.0	0.0	7.3
23	16.5	26.8	20.8	83.0	.8	3.1	3.9	6.0
24	16.7	27.0	20.5	80.7	6.9	0.0	6.9	7.1
25	15.0	28.2	22.2	75.3	0.0	0.0	0.0	8.9
26	16.1	29.2	22.2	75.0	14.0	14.7	28.7	7.5
27	18.5	26.6	21.6	85.0	1.2	0.0	1.2	4.4
28	17.7	27.8	21.0	80.7	7.9	.4	8.3	6.6
29	18.3	25.8	21.8	83.0	0.0	0.0	0.0	2.8
30	18.0	28.0	22.9	79.7	0.0	0.0	0.0	8.1
31	17.9	27.5	21.0	81.3	4.8	0.0	4.8	5.8
Total :					61.7	21.2	82.9	224.4
Promedio :	16.1	27.1	21.2	77.5				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.7	27.5	22.4	70.7	0.0	0.0	0.0	8.0
2	16.4	26.0	20.8	86.7	20.8	15.1	35.9	3.2
3	16.3	21.8	19.0	90.7	9.6	0.0	9.6	0.0
4	14.5	26.2	19.8	81.3	3.1	3.8	6.9	7.1
5	18.4	26.5	21.3	86.0	.1	.4	.5	4.3
6	17.2	26.8	19.7	87.0	69.6	0.0	69.6	6.2
7	15.7	26.0	21.2	78.7	0.0	.5	.5	6.1
8	17.5	26.2	20.9	85.0	0.0	0.0	0.0	6.1
9	16.2	28.0	22.8	69.7	0.0	0.0	0.0	7.7
10	15.8	27.8	22.3	72.0	1.2	0.0	1.2	8.3
11	16.4	26.8	21.7	80.3	0.0	0.0	0.0	8.2
12	17.3	25.8	21.1	84.7	1.5	.9	2.4	3.6
13	16.9	26.5	21.5	82.7	0.0	0.0	0.0	7.9
14	18.8	26.2	21.6	80.3	0.0	0.0	0.0	4.0
15	18.7	26.9	21.9	76.3	0.0	0.0	0.0	4.4
16	16.7	26.5	20.8	81.0	2.9	0.0	2.9	4.0
17	15.4	26.4	20.2	81.7	2.5	.1	2.6	5.8
18	16.6	26.6	20.3	81.7	.7	.6	1.3	5.0
19	17.0	25.7	19.0	85.7	39.1	13.1	52.2	3.0
20	15.8	26.5	19.3	89.0	12.7	.1	12.8	6.1
21	16.4	25.5	20.0	85.0	34.0	7.0	41.0	3.9
22	16.0	25.0	19.8	80.3	11.4	0.0	11.4	3.6
23	14.0	27.5	20.4	75.7	.5	0.0	.5	6.8
24	16.9	25.8	19.6	87.0	.6	0.0	.6	3.3
25	14.9	26.5	19.8	85.7	28.9	6.8	35.7	6.3
26	17.2	25.7	21.0	85.0	.6	9.5	10.1	6.7
27	18.4	25.8	20.4	82.0	7.7	.1	7.8	2.5
28	18.0	26.2	19.5	91.3	40.0	10.2	50.2	5.0
29	16.9	28.4	22.0	83.0	0.0	0.0	0.0	8.3
30	15.9	28.8	21.2	78.7	21.3	0.0	21.3	7.4
31	16.4	28.0	21.2	81.3	0.0	7.2	7.2	6.0
Total :					308.8	75.4	384.2	168.8
Promedio :	16.7	26.4	20.7	82.1				

Estación : PUEBLO BELLO
Año : 1999

Dpto. : CESAR
Mpio. : VALLEDUPAR

Latitud : 10 ° 25 'N
Longitud : 73 ° 34 'W
Altitud : 1000 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.8	26.2	20.0	89.7	28.2	0.0	28.2	5.1
2	15.5	26.4	20.8	82.7	64.7	61.1	125.8	5.4
3	15.8	25.6	20.8	91.3	5.0	0.0	5.0	5.5
4	17.8	26.5	21.9	82.0	0.0	0.0	0.0	7.1
5	16.5	27.0	20.6	87.3	0.0	0.0	0.0	8.1
6	17.8	27.5	23.0	80.0	0.0	0.0	0.0	10.3
7	16.6	27.6	20.9	82.3	8.4	1.8	10.2	6.8
8	17.3	26.4	20.9	79.7	2.7	1.7	4.4	2.6
9	15.9	25.6	19.8	81.3	16.9	15.7	32.6	4.5
10	17.7	24.5	20.2	84.3	2.2	0.0	2.2	1.7
11	16.2	25.0	20.2	85.7	2.8	.6	3.4	6.1
12	15.4	25.3	20.8	83.7	.5	34.7	35.2	8.1
13	18.2	26.4	20.9	80.7	1.2	5.4	6.6	5.7
14	17.8	25.5	20.5	80.3	1.7	0.0	1.7	2.9
15	16.6	26.0	20.0	79.3	3.8	.3	4.1	2.0
16	16.8	27.8	21.8	76.7	0.0	2.4	2.4	8.6
17	15.5	26.5	20.0	82.3	38.8	0.0	38.8	7.4
18	16.4	27.4	21.2	79.7	8.0	0.0	8.0	8.0
19	15.6	27.2	20.4	78.0	28.0	0.0	28.0	6.9
20	15.4	27.0	20.3	79.3	8.4	1.5	9.9	5.1
21	15.4	27.5	20.8	85.3	0.0	0.0	0.0	5.1
22	17.0	23.6	19.9	82.7	38.0	0.0	38.0	.8
23	16.5	26.4	20.4	82.7	0.0	.9	.9	6.4
24	17.5	25.4	20.0	85.7	72.5	.3	72.8	4.4
25	15.4	25.0	20.0	87.7	0.0	.2	.2	4.3
26	17.5	24.3	19.9	85.3	14.4	0.0	14.4	3.2
27	14.0	25.0	20.1	82.3	2.0	0.0	2.0	7.6
28	16.4	24.5	19.4	88.0	6.7	0.0	6.7	0.0
29	17.5	26.0	21.2	83.3	0.0	1.0	1.0	7.5
30	17.8	26.8	21.3	81.0	0.0	14.8	14.8	8.0
31								
Total					354.9	142.4	497.3	165.2
Promedio	16.6	26.1	20.6	83.0				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.2	25.2	19.6	92.7	14.1	.1	14.2	2.4
2	15.9	26.9	20.6	78.0	.3	1.1	1.4	1.8
3	14.8	25.2	20.9	81.0	0.0	0.0	0.0	6.8
4	15.8	27.8	21.6	78.0	11.7	.8	12.5	7.1
5	18.4	27.2	20.6	78.7	1.4	.1	1.5	2.8
6	15.7	24.5	19.0	90.7	17.7	.1	17.8	3.2
7	14.8	24.7	20.0	81.7	0.0	0.0	0.0	6.5
8	16.0	26.2	20.5	83.3	0.0	0.0	0.0	7.2
9	14.7	26.6	20.2	83.0	8.3	0.0	8.3	7.2
10	16.4	25.0	19.4	89.3	9.5	0.0	9.5	2.2
11	17.4	27.0	20.5	86.0	4.7	0.0	4.7	6.7
12	16.9	26.0	21.2	81.7	1.0	0.0	1.0	7.4
13	17.2	26.5	20.6	85.0	0.0	0.0	0.0	3.3
14	17.0	27.0	21.7	82.0	1.0	24.0	25.0	7.2
15	15.6	26.6	20.2	86.0	1.5	6.3	7.8	4.6
16	16.6	27.3	20.5	83.7	.5	.6	1.1	5.2
17	15.5	26.0	19.8	85.3	0.0	0.0	0.0	5.9
18	15.4	25.4	20.4	83.3	0.0	0.0	0.0	6.0
19	14.8	26.4	20.4	85.7	0.0	3.7	3.7	6.3
20	15.8	27.0	20.4	80.0	41.9	.8	42.7	8.2
21	17.3	25.9	20.8	85.0	0.0	0.0	0.0	4.0
22	17.2	25.0	20.0	84.0	0.0	.3	.3	3.6
23	17.5	26.0	20.4	80.7	0.0	0.0	0.0	2.4
24	17.4	25.2	19.6	91.7	2.2	0.0	2.2	4.8
25	16.5	26.8	20.6	84.3	39.7	12.2	51.9	5.7
26	17.0	26.5	21.1	86.3	0.0	0.0	0.0	6.7
27	18.2	25.3	21.1	82.7	34.1	32.1	66.2	5.8
28	16.6	25.3	21.2	79.0	.4	.8	1.2	4.5
29	18.4	24.8	21.0	84.7	11.0	2.3	13.3	5.9
30	16.9	25.0	20.8	88.0	0.0	8.4	8.4	6.9
31	18.6	27.2	21.9	86.0	5.0	.3	5.3	7.0
Total					206.0	94.0	300.0	165.3
Promedio	16.6	26.0	20.5	84.1				

Estación : PUEBLO BELLO
Año : 1999

Dpto. : CESAR
Mpio. : VALLEDUPAR

Latitud : 10 ° 25 'N
Longitud : 73 ° 34 'W
Altitud : 1000 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.9	26.6	21.0	83.0	1.7	4.1	5.8	7.2
2	17.3	25.5	20.8	83.3	3.1	6.0	9.1	5.1
3	17.7	25.2	20.2	91.7	13.6	4.4	18.0	2.9
4	18.4	27.0	21.4	83.3	17.0	0.0	17.0	5.6
5	17.8	26.7	20.8	78.7	0.0	0.0	0.0	7.9
6	15.0	27.0	20.5	83.0	19.0	0.0	19.0	6.7
7	16.9	25.6	20.9	84.0	14.5	2.5	17.0	5.6
8	16.6	25.0	20.8	83.3	.1	.3	.4	6.5
9	15.5	25.7	21.1	82.3	0.0	0.0	0.0	6.6
10	16.0	26.2	21.0	83.7	0.0	5.2	5.2	6.9
11	16.8	26.5	20.4	83.7	44.1	2.7	46.8	6.8
12	15.6	25.5	19.8	90.7	.2	30.1	30.3	5.4
13	18.0	24.0	20.4	82.0	2.4	.3	2.7	2.8
14	16.2	25.4	20.0	81.3	0.0	6.8	6.8	3.9
15	18.4	21.6	19.6	89.7	20.0	28.0	48.0	.7
16	18.6	20.0	18.8	91.7	55.0	13.3	68.3	0.0
17	18.2	24.8	20.0	81.7	.4	0.0	.4	1.3
18	16.0	24.3	19.4	84.0	0.0	0.0	0.0	9.0
19	16.8	24.5	19.7	84.7	0.0	0.0	0.0	6.7
20	16.5	25.6	20.3	72.0	0.0	.6	.6	7.8
21	15.5	24.2	20.0	83.0	0.0	.6	.6	5.3
22	16.4	24.7	20.0	80.0	0.0	6.8	6.8	6.1
23	17.0	24.5	18.8	87.7	0.0	0.0	0.0	3.5
24	14.0	25.8	19.4	76.7	0.0	0.0	0.0	8.3
25	13.5	24.4	19.4	81.0	0.0	0.0	0.0	8.0
26	16.0	24.3	19.0	85.3	.6	0.0	.6	5.5
27	16.5	25.6	20.4	80.0	0.0	0.0	0.0	4.4
28	14.9	25.9	20.6	80.7	0.0	0.0	0.0	8.7
29	15.0	26.0	20.0	78.7	0.0	0.0	0.0	8.0
30	15.2	26.2	19.6	87.0	34.0	1.2	35.2	5.7
31								
Total :					225.7	112.9	338.6	168.9
Promedio :	16.4	25.1	20.1	83.3				

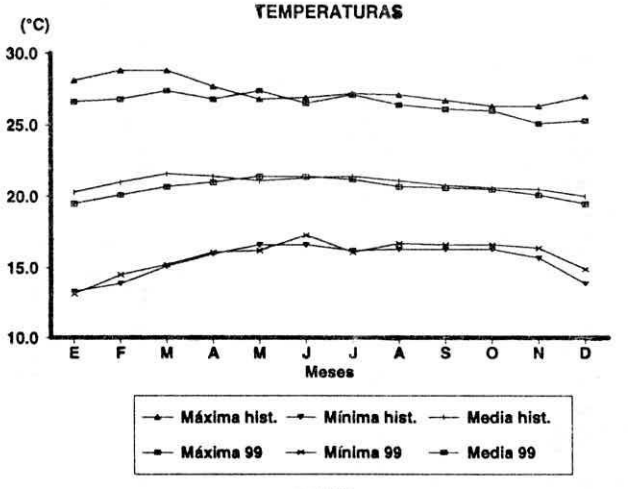
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	24.6	19.4	82.0	1.3	2.7	4.0	3.7
2	14.7	23.9	19.2	84.0	1.4	0.0	1.4	3.1
3	15.0	25.8	20.6	81.3	5.6	0.0	5.6	8.2
4	17.8	25.6	19.7	90.7	74.9	2.0	76.9	5.0
5	17.4	25.5	19.5	93.7	50.8	.6	51.4	4.3
6	15.5	25.8	20.0	82.7	1.3	.2	1.5	4.3
7	15.0	25.0	19.8	83.7	0.0	0.0	0.0	7.2
8	13.9	25.4	18.8	81.7	0.0	0.0	0.0	8.6
9	15.5	25.3	20.1	85.7	0.0	0.0	0.0	6.7
10	15.9	25.6	19.8	92.7	6.3	0.0	6.3	4.7
11	15.0	25.4	19.8	91.7	4.8	0.0	4.8	2.3
12	16.5	25.2	20.0	90.7	10.9	0.0	10.9	3.3
13	17.4	24.2	20.0	91.3	0.0	0.0	0.0	2.2
14	16.3	24.5	20.2	92.0	1.6	0.0	1.6	3.6
15	15.5	24.8	19.1	90.0	0.0	0.0	0.0	4.6
16	16.5	25.8	19.8	85.0	0.0	0.0	0.0	4.3
17	16.2	24.2	19.5	91.0	0.0	0.0	0.0	4.0
18	15.2	25.5	19.5	86.3	0.0	0.0	0.0	7.0
19	15.2	26.2	20.4	83.7	0.0	0.0	0.0	7.6
20	14.9	25.6	20.5	79.0	0.0	0.0	0.0	8.6
21	14.0	25.4	20.0	80.7	0.0	0.0	0.0	8.8
22	12.5	26.5	18.8	77.3	0.0	0.0	0.0	7.9
23	12.8	26.0	19.1	76.3	0.0	0.0	0.0	9.9
24	13.0	25.7	20.2	76.0	0.0	0.0	0.0	7.6
25	15.7	25.5	18.8	80.7	0.0	0.0	0.0	4.3
26	13.6	25.2	18.8	76.0	0.0	0.0	0.0	6.6
27	13.9	24.4	18.8	76.7	0.0	0.0	0.0	8.3
28	13.6	24.7	19.5	75.0	0.0	0.0	0.0	7.9
29	13.0	25.0	18.8	78.3	.1	0.0	.1	7.8
30	13.5	25.6	19.4	82.0	1.3	0.0	1.3	7.0
31	13.0	25.2	18.0	74.3	0.0	0.0	0.0	9.7
Total :					160.3	5.5	165.8	189.1
Promedio :	14.9	25.3	19.5	83.6				

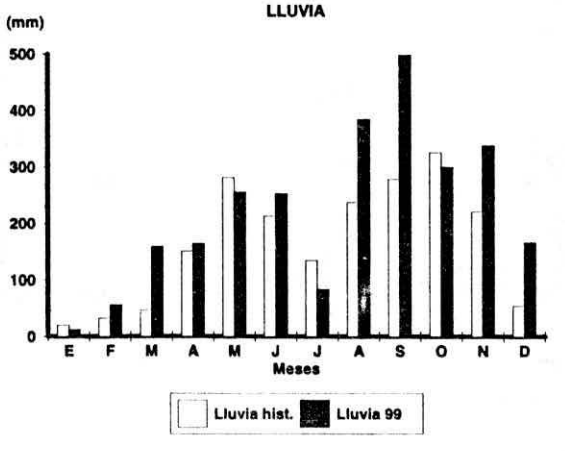
Estación : PUEBLO BELLO
Año : 1999

Dpto. : CESAR
Mpio. : VALLEDUPAR

Latitud : 10 ° 25 'N
Longitud : 73 ° 34 'W
Altitud : 1000 m

MES	TEMPERATURA °C					PRECIPITACION			
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	13.1	26.6	19.5	28.3	10.2	72.2	12.1	2	259.8
Febrero	14.5	26.8	20.1	29.0	11.2	72.3	55.6	11	172.7
Marzo	15.2	27.4	20.7	30.4	12.5	72.5	158.5	8	197.9
Abril	16.1	26.8	21.0	29.2	13.0	80.9	163.6	16	164.8
Mayo	16.2	27.4	21.4	29.4	14.5	80.3	255.1	15	200.6
Junio	17.3	26.5	21.4	27.8	14.8	80.3	252.8	20	152.5
Julio	16.1	27.1	21.2	29.2	14.0	77.5	82.9	15	224.4
Agosto	16.7	26.4	20.7	28.8	14.0	82.1	384.2	23	168.8
Septiembre	16.6	26.1	20.6	27.8	14.0	83.0	497.3	26	165.2
Octubre	16.6	26.0	20.5	27.8	14.7	84.1	300.0	22	165.3
Noviembre	16.4	25.1	20.1	27.0	13.5	83.3	338.6	20	168.9
Diciembre	14.9	25.3	19.5	26.5	12.5	83.6	165.8	12	189.1
Promedio :	15.8	26.5	20.6			79.3			
Absoluta :				30.4	10.2				
Total :							2666.5	190	2230.0





Estación : MONTELIBANO
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : YACOPI

Latitud : 5 ° 28 'N
Longitud : 74 ° 22 'W
Altitud : 1340 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.1	25.0	20.8	85.3	1.5	0.0	1.5	4.2
2	17.8	26.1	20.4	84.7	3.7	1.8	5.5	3.9
3	17.9	24.0	20.3	86.0	0.0	11.5	11.5	4.3
4	17.8	24.0	20.2	87.0	11.6	0.0	11.6	3.6
5	17.7	24.5	20.0	83.0	0.0	0.0	0.0	5.7
6	17.8	24.2	20.2	84.0	0.0	0.0	0.0	7.7
7	17.7	24.3	20.4	83.7	0.0	0.0	0.0	4.4
8	17.9	24.8	20.1	86.7	0.0	.1	.1	1.7
9	17.1	23.9	19.9	88.0	.1	.3	.4	.8
10	17.8	24.0	19.3	91.0	1.9	0.0	1.9	2.8
11	17.1	23.3	18.8	91.3	35.9	4.4	40.3	1.0
12	17.2	23.1	18.6	93.3	5.3	0.0	5.3	2.1
13	16.9	24.4	20.0	84.0	0.0	0.0	0.0	5.5
14	17.2	23.2	19.8	84.7	0.0	0.0	0.0	5.4
15	16.2	22.5	18.8	85.0	0.0	0.0	0.0	5.7
16	16.4	23.3	19.4	83.7	0.0	0.0	0.0	7.7
17	16.2	24.2	20.2	82.0	0.0	32.9	32.9	5.5
18	17.0	23.5	19.6	89.0	0.0	0.0	0.0	3.7
19	17.1	24.3	20.0	87.7	0.0	3.2	3.2	4.1
20	17.3	25.9	21.1	82.7	.7	28.4	29.1	3.1
21	16.7	24.8	20.0	85.3	6.0	0.0	6.0	3.1
22	18.0	24.0	20.5	91.3	1.0	0.0	1.0	2.5
23	17.9	23.7	20.7	89.0	0.0	0.0	0.0	2.3
24	18.0	24.0	19.6	90.0	12.1	.6	12.7	1.0
25	17.2	22.4	19.4	89.0	6.8	0.0	6.8	1.6
26	17.3	23.6	20.0	86.0	0.0	0.0	0.0	4.1
27	17.7	24.0	20.1	85.7	0.0	0.0	0.0	2.9
28	17.5	23.3	20.1	84.7	0.0	0.0	0.0	1.7
29	17.4	25.2	20.4	84.3	0.0	0.0	0.0	3.7
30	18.3	25.9	21.5	84.3	0.0	37.3	37.3	5.2
31	17.9	25.7	20.9	88.3	0.0	0.0	0.0	4.8
Total					86.6	120.5	207.1	115.8
Promedio	17.4	24.2	20.0	86.5				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	23.0	20.3	89.7	0.0	4.2	4.2	1.8
2	17.7	24.8	20.2	89.0	0.0	1.7	1.7	2.5
3	17.4	23.0	19.0	91.3	17.1	0.0	17.1	1.3
4	18.0	23.1	19.7	92.0	5.7	18.6	24.3	2.5
5	16.5	21.7	18.8	88.7	0.0	0.0	0.0	.1
6	17.4	21.6	19.1	92.0	0.0	.6	.6	.4
7	17.3	23.0	19.3	87.7	3.9	0.0	3.9	1.4
8	17.3	24.9	20.7	86.0	0.0	0.0	0.0	3.8
9	18.6	26.0	20.6	87.0	0.0	0.0	0.0	3.9
10	17.6	21.3	18.9	93.0	2.1	.1	2.2	0.0
11	17.0	24.0	19.4	85.0	7.1	.2	7.3	2.8
12	16.2	26.3	18.7	84.7	39.6	4.8	44.4	6.3
13	15.9	25.1	19.2	81.0	.4	.4	.8	2.9
14	16.8	23.7	19.4	89.3	2.4	15.4	17.8	1.9
15	16.4	22.8	18.5	88.3	9.4	.4	9.8	2.3
16	16.6	25.0	19.6	87.0	0.0	1.2	1.2	3.2
17	16.0	23.9	19.5	85.3	0.0	9.6	9.6	2.7
18	16.1	22.0	18.3	92.7	3.5	0.0	3.5	1.0
19	16.0	23.7	19.0	86.3	.7	1.8	2.5	3.0
20	16.5	20.8	18.0	91.3	4.5	0.0	4.5	.1
21	16.4	23.0	18.8	86.0	2.9	20.1	23.0	1.4
22	16.2	23.4	19.0	85.3	.5	0.0	.5	2.0
23	16.3	23.9	19.2	88.0	0.0	1.3	1.3	2.4
24	16.8	23.2	17.9	91.0	21.5	.2	21.7	1.3
25	16.9	23.3	20.1	89.7	.1	0.0	.1	2.9
26	17.7	23.1	19.8	88.3	.2	5.4	5.6	2.0
27	17.0	23.8	19.7	87.3	.7	7.2	7.9	2.7
28	17.1	22.0	18.8	89.7	0.0	16.6	16.6	1.2
29								
30								
31								
Total					122.3	109.8	232.1	59.8
Promedio	16.9	23.4	19.3	88.3				

Estación : MONTELIBANO
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : YACOPI

Latitud : 5 ° 28 'N
Longitud : 74 ° 22 'W
Altitud : 1340 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.9	22.5	17.9	90.7	24.8	.2	25.0	.7
2	16.2	20.2	17.9	86.7	0.0	0.0	0.0	1.3
3	15.8	23.9	19.8	82.0	0.0	0.0	0.0	3.6
4	16.9	24.0	19.9	86.7	0.0	4.2	4.2	2.5
5	16.4	24.4	20.7	84.0	0.0	.1	.1	5.5
6	17.4	24.5	20.2	85.3	0.0	0.0	0.0	6.8
7	15.8	24.3	20.6	79.7	0.0	0.0	0.0	8.0
8	17.8	24.0	20.0	80.0	0.0	0.0	0.0	5.1
9	17.8	24.7	19.8	78.7	6.8	.3	7.1	3.1
10	15.9	23.1	18.0	89.0	19.1	0.0	19.1	1.4
11	16.2	26.2	20.5	83.0	0.0	0.0	0.0	5.8
12	17.5	26.8	21.5	78.7	0.0	0.0	0.0	5.7
13	17.4	27.1	21.7	77.0	0.0	.7	.7	7.7
14	15.6	26.0	19.2	81.0	.5	0.0	.5	.5
15	17.3	25.0	19.4	83.7	0.0	4.0	4.0	2.0
16	16.7	26.0	20.4	82.3	0.0	14.3	14.3	4.7
17	16.9	25.9	21.1	81.0	0.0	25.7	25.7	7.8
18	16.0	25.4	20.3	81.0	0.0	0.0	0.0	4.8
19	17.9	24.4	20.4	85.0	1.3	5.4	6.7	7.6
20	17.4	24.6	20.5	83.7	0.0	0.0	0.0	.2
21	17.9	25.0	21.2	80.0	0.0	0.0	0.0	4.3
22	17.9	23.2	19.8	88.0	0.0	.7	.7	3.9
23	17.0	23.8	20.0	87.0	0.0	0.0	0.0	1.3
24	17.9	25.5	20.7	85.3	2.5	.8	3.3	1.9
25	17.7	26.1	21.0	87.3	0.0	0.0	0.0	1.0
26	17.8	27.0	20.6	84.3	.6	0.0	.6	5.0
27	17.9	23.1	20.7	93.7	0.0	.7	.7	0.0
28	17.8	23.6	19.4	96.7	6.8	0.0	6.8	1.2
29	17.2	23.6	19.4	90.0	3.0	0.0	3.0	4.2
30	16.2	25.8	20.4	87.3	16.0	13.0	29.0	4.0
31	15.7	25.0	20.4	87.7	0.0	10.1	10.1	3.5
Total :					81.4	80.2	161.6	115.1
Promedio :	17.0	24.7	20.1	84.7				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	25.9	21.5	86.7	0.0	7.1	7.1	3.1
2	16.5	23.0	19.2	93.7	0.0	9.2	9.2	.3
3	16.5	26.1	20.3	84.0	0.0	0.0	0.0	2.2
4	17.0	19.5	17.3	96.0	6.9	0.0	6.9	.3
5	15.8	25.0	20.3	83.7	0.0	0.0	0.0	8.5
6	17.4	25.1	20.6	86.7	0.0	26.0	26.0	4.5
7	16.9	23.0	19.1	96.0	8.0	13.0	21.0	2.9
8	17.1	20.2	18.3	95.3	1.7	2.2	3.9	.1
9	16.4	21.2	18.6	89.0	2.0	3.9	5.9	.1
10	17.2	22.0	18.8	93.3	13.6	9.5	23.1	.4
11	16.8	26.1	19.9	82.0	2.0	10.4	12.4	4.2
12	16.5	25.5	19.4	81.7	17.6	33.1	50.7	5.6
13	16.0	25.6	20.1	83.3	8.5	1.1	9.6	4.1
14	17.7	23.7	19.6	87.7	22.0	0.0	22.0	3.4
15	18.0	24.6	19.7	86.0	24.0	1.0	25.0	1.9
16	17.1	27.6	22.2	74.3	0.0	0.0	0.0	10.0
17	18.7	28.3	22.8	63.0	1.6	0.0	1.6	8.5
18	17.7	28.0	22.5	73.0	0.0	0.0	0.0	6.7
19	18.9	26.1	22.1	83.3	0.0	8.0	8.0	4.9
20	17.6	25.0	21.2	72.7	0.0	0.0	0.0	2.2
21	18.2	27.1	22.5	64.3	0.0	0.0	0.0	8.5
22	18.7	28.0	22.7	76.3	0.0	2.1	2.1	6.9
23	18.9	28.0	21.9	76.7	.1	.8	.9	4.7
24	17.7	23.9	19.6	93.0	2.5	11.5	14.0	2.0
25	16.7	24.8	19.2	88.0	33.0	14.0	47.0	2.5
26	16.0	24.8	20.4	88.7	3.0	87.0	90.0	2.2
27	15.7	24.0	19.2	87.7	0.0	0.0	0.0	.7
28	16.4	25.2	20.1	83.0	2.0	6.8	8.8	2.0
29	16.7	26.3	18.8	88.0	8.5	11.5	20.0	4.6
30	16.3	24.5	19.8	87.7	0.0	0.0	0.0	2.6
31								
Total :					157.0	258.2	415.2	110.6
Promedio :	17.1	24.9	20.3	84.2				

Estación : MONTELIBANO
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : YACOPI

Latitud : 5 ° 28 'N
Longitud : 74 ° 22 'W
Altitud : 1340 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.2	25.1	19.8	84.3	12.0	24.0	36.0	5.1
2	17.5	22.0	19.0	92.3	4.2	3.3	7.5	.8
3	17.0	24.0	20.3	87.3	4.0	20.0	24.0	3.7
4	16.5	23.0	18.1	94.0	7.8	0.0	7.8	1.0
5	15.8	24.9	20.1	86.3	0.0	.2	.2	5.1
6	16.7	23.7	18.7	87.3	5.4	2.0	7.4	4.7
7	16.0	24.0	18.6	94.0	2.6	0.0	2.6	3.4
8	16.8	24.2	20.2	87.3	1.2	3.6	4.8	2.6
9	16.8	26.0	19.0	84.0	19.0	2.0	21.0	3.5
10	16.6	23.0	19.6	92.7	0.0	0.0	0.0	2.0
11	17.0	25.0	19.6	82.0	0.0	101.0	101.0	3.3
12	16.2	23.3	18.8	92.7	14.0	18.0	32.0	4.1
13	16.1	23.0	18.7	87.0	19.0	0.0	19.0	2.1
14	16.2	25.2	18.8	84.0	97.6	.2	97.8	7.1
15	16.5	27.0	20.4	74.7	13.8	0.0	13.8	4.7
16	17.4	24.4	20.8	85.7	0.0	0.0	0.0	5.5
17	17.5	26.8	21.9	80.7	0.0	12.8	12.8	5.3
18	17.3	24.5	20.4	91.3	0.0	9.6	9.6	3.4
19	17.9	27.3	21.2	75.0	0.0	0.0	0.0	4.7
20	18.0	25.1	20.1	89.0	.1	.1	.2	3.9
21	17.9	25.0	20.8	78.3	4.2	0.0	4.2	3.1
22	17.8	25.1	19.5	86.0	15.0	2.0	17.0	2.6
23	17.3	27.5	21.8	79.7	0.0	0.0	0.0	8.2
24	18.5	28.0	23.0	77.7	0.0	0.0	0.0	9.3
25	19.0	24.6	20.5	80.3	2.7	0.0	2.7	3.7
26	17.6	25.7	20.4	83.7	0.0	0.0	0.0	7.1
27	18.0	25.3	20.5	86.0	.4	0.0	.4	3.8
28	18.1	25.1	21.8	84.7	.5	3.3	3.8	4.6
29	18.2	25.9	21.2	84.3	2.3	3.4	5.7	3.2
30	17.5	25.5	21.4	79.7	0.0	3.7	3.7	3.9
31	17.1	27.9	22.0	80.7	0.0	.7	.7	8.9
Total :					225.8	209.9	435.7	134.4
Promedio :	17.2	25.1	20.2	84.9				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	23.8	19.7	92.7	6.6	0.0	6.6	7.2
2	18.0	25.3	21.0	88.3	0.0	0.0	0.0	3.6
3	17.5	25.0	19.8	88.0	3.6	.1	3.7	5.8
4	16.5	21.0	18.2	94.7	6.5	1.9	8.4	.3
5	16.0	24.0	19.4	80.0	.2	0.0	.2	2.2
6	17.0	23.7	19.3	90.3	9.8	0.0	9.8	1.6
7	16.9	22.4	19.4	97.0	2.5	1.0	3.5	1.9
8	16.5	22.6	20.0	91.7	2.5	3.5	6.0	1.9
9	16.7	23.2	18.7	92.7	8.8	0.0	8.8	3.8
10	15.8	24.9	20.6	86.3	.1	5.6	5.7	6.3
11	17.0	27.1	21.0	83.0	0.0	36.2	36.2	5.5
12	16.0	25.0	20.1	86.0	0.0	3.8	3.8	2.2
13	17.0	23.6	19.8	88.3	6.4	.1	6.5	3.2
14	17.3	22.3	19.0	94.3	9.8	0.0	9.8	.8
15	16.4	23.3	18.9	87.3	6.7	.3	7.0	3.2
16	17.0	21.8	18.4	95.3	2.4	10.0	12.4	.8
17	16.0	25.0	19.6	89.3	.1	16.6	16.7	5.5
18	16.2	22.8	18.8	92.3	1.5	.6	2.1	1.0
19	17.0	23.6	19.4	89.7	.5	6.5	7.0	2.1
20	17.5	25.3	20.5	83.7	0.0	6.4	6.4	4.3
21	17.5	23.5	18.8	95.0	24.7	0.0	24.7	1.9
22	16.0	24.1	19.8	89.3	0.0	0.0	0.0	3.7
23	17.0	23.0	18.8	92.3	13.7	0.0	13.7	1.1
24	15.5	22.9	18.4	88.3	4.2	.4	4.6	1.6
25	16.0	25.5	20.2	86.0	0.0	30.1	30.1	2.8
26	16.5	27.2	19.2	79.7	32.8	5.3	38.1	5.8
27	15.9	24.4	18.9	87.0	1.0	8.9	9.9	2.0
28	15.9	22.9	19.0	87.0	6.2	.2	6.4	1.8
29	16.4	24.0	18.8	89.0	0.0	.3	.3	3.2
30	15.0	25.3	19.0	85.7	7.1	56.8	63.9	6.5
31								
Total :					157.7	194.6	352.3	93.6
Promedio :	16.6	24.0	19.4	89.0				

Estación : MONTELIBANO
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : YACOPI

Latitud : 5 ° 28 'N
Longitud : 74 ° 22 'W
Altitud : 1340 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.2	24.0	18.4	88.3	9.2	13.8	23.0	3.5
2	15.2	23.5	18.7	88.7	1.7	0.0	1.7	3.6
3	16.7	25.1	20.3	87.7	1.0	2.8	3.8	2.5
4	15.9	24.1	20.1	85.7	0.0	0.0	0.0	3.2
5	16.3	24.8	18.6	86.3	6.7	2.6	9.3	4.7
6	15.5	25.9	21.0	69.3	0.0	0.0	0.0	8.0
7	16.6	21.5	17.8	93.0	8.5	1.7	10.2	.2
8	15.2	26.2	19.4	70.7	0.0	0.0	0.0	5.2
9	16.3	26.9	21.0	56.3	0.0	0.0	0.0	8.4
10	15.4	26.1	20.7	62.0	0.0	0.0	0.0	9.7
11	16.7	26.2	21.4	74.3	0.0	.2	.2	7.6
12	17.0	26.6	21.2	68.7	0.0	0.0	0.0	6.8
13	17.4	26.4	21.3	71.7	0.0	.2	.2	8.9
14	17.8	28.1	22.0	71.3	0.0	0.0	0.0	9.8
15	17.0	28.3	22.4	59.3	0.0	0.0	0.0	10.6
16	17.1	25.0	20.2	78.7	4.3	0.0	4.3	6.3
17	16.4	27.7	20.1	82.7	.3	0.0	.3	8.0
18	15.5	27.8	21.2	74.0	0.0	0.0	0.0	7.2
19	17.4	27.4	20.2	84.0	3.0	.9	3.9	8.4
20	17.2	27.2	20.0	85.3	1.1	.2	1.3	2.7
21	17.0	26.0	20.8	82.0	0.0	0.0	0.0	5.9
22	17.5	26.1	20.2	79.3	.2	0.0	.2	4.3
23	16.7	23.2	18.3	97.3	2.0	0.0	2.0	1.7
24	15.4	23.6	19.7	92.3	0.0	0.0	0.0	3.9
25	17.6	27.0	21.6	76.3	.2	0.0	.2	7.1
26	18.0	28.4	22.8	55.0	0.0	0.0	0.0	4.6
27	18.2	27.5	21.6	78.0	0.0	0.0	0.0	5.1
28	17.5	28.3	21.2	73.0	4.8	.1	4.9	7.9
29	17.3	24.4	20.1	89.7	0.0	0.0	0.0	.3
30	17.1	28.3	22.3	71.3	0.0	1.0	1.0	6.3
31	17.8	26.6	19.4	82.0	2.5	0.0	2.5	5.1
Total :					45.5	23.5	69.0	177.5
Promedio :	16.7	26.1	20.5	77.9				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.1	27.6	22.1	62.3	0.0	0.0	0.0	5.0
2	17.9	27.0	22.1	51.3	0.0	0.0	0.0	4.7
3	17.4	25.7	21.2	64.7	0.0	0.0	0.0	4.4
4	16.9	25.0	20.1	84.3	0.0	0.0	0.0	3.2
5	17.0	24.0	19.4	83.7	7.1	0.0	7.1	4.0
6	16.5	25.2	20.3	83.3	0.0	.1	.1	3.7
7	16.8	23.5	20.0	82.0	0.0	0.0	0.0	1.0
8	17.0	23.9	20.0	85.3	.3	0.0	.3	1.1
9	17.7	27.2	21.5	66.3	0.0	0.0	0.0	4.3
10	17.5	27.4	21.2	68.3	0.0	0.0	0.0	3.1
11	17.9	27.8	20.9	76.3	0.0	0.0	0.0	5.8
12	17.0	25.0	20.6	83.3	0.0	0.0	0.0	3.5
13	17.6	23.8	19.3	87.7	13.5	0.0	13.5	1.5
14	15.6	25.6	18.6	85.0	22.8	0.0	22.8	2.8
15	15.8	25.7	20.8	72.7	0.0	0.0	0.0	5.5
16	17.8	26.0	21.5	81.7	.5	.7	1.2	5.6
17	16.3	25.1	19.5	84.7	.3	.5	.8	6.7
18	17.0	27.2	22.0	78.0	0.0	0.0	0.0	7.5
19	17.4	24.2	20.4	78.7	0.0	0.0	0.0	6.2
20	17.0	24.1	19.3	89.3	3.9	1.4	5.3	4.1
21	16.4	22.8	19.5	89.3	0.0	9.6	9.6	1.4
22	16.0	21.8	18.0	95.0	5.9	0.0	5.9	.4
23	15.5	25.6	19.2	85.3	.8	.6	1.4	4.9
24	15.8	26.0	20.1	86.3	0.0	9.9	9.9	5.5
25	16.1	20.2	17.7	94.3	1.0	0.0	1.0	.1
26	15.8	24.1	20.0	86.3	0.0	11.6	11.6	3.4
27	15.6	24.6	19.6	83.3	3.0	.4	3.4	1.5
28	16.6	22.6	19.6	90.7	0.0	0.0	0.0	2.3
29	16.9	26.2	20.8	87.7	0.0	0.0	0.0	5.2
30	18.0	27.8	22.4	84.0	0.0	0.0	0.0	7.7
31	17.9	27.6	22.6	48.0	0.0	0.0	0.0	7.1
Total :					59.1	34.8	93.9	123.2
Promedio :	16.8	25.2	20.3	80.0				

Estación : MONTELIBANO
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : YACOPI

Latitud : 5 ° 28 'N
Longitud : 74 ° 22 'W
Altitud : 1340 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.5	24.7	19.4	90.0	1.2	0.0	1.2	.7
2	16.9	23.5	19.6	88.3	5.9	21.9	27.8	1.4
3	16.8	23.2	19.6	87.3	17.5	0.0	17.5	1.9
4	16.6	25.0	19.2	89.7	9.8	0.0	9.8	2.1
5	16.2	24.8	19.5	81.0	5.3	0.0	5.3	1.0
6	15.4	25.2	20.4	85.7	0.0	3.3	3.3	5.0
7	16.5	26.8	20.9	81.3	9.2	2.1	11.3	7.1
8	16.7	22.9	19.2	90.0	2.9	.5	3.4	.7
9	16.8	24.0	18.7	93.3	4.6	5.1	9.7	1.8
10	15.7	22.9	18.9	87.3	.7	6.3	7.0	2.2
11	15.8	23.8	18.9	89.0	5.2	4.3	9.5	1.8
12	15.9	23.0	18.4	93.0	2.5	0.0	2.5	2.1
13	16.9	21.9	19.4	92.7	.1	15.3	15.4	1.1
14	15.8	20.9	18.0	88.3	1.9	0.0	1.9	1.0
15	15.9	24.1	19.0	87.0	1.9	3.3	5.2	1.5
16	15.8	25.0	19.3	83.7	9.5	1.8	11.3	5.0
17	15.9	25.3	19.8	82.0	0.0	0.0	0.0	2.2
18	16.2	24.4	19.7	84.7	0.0	0.0	0.0	3.6
19	17.0	25.6	19.6	85.3	0.0	.4	.4	1.9
20	17.4	25.0	20.6	83.7	0.0	0.0	0.0	4.2
21	16.8	23.2	19.2	94.7	.7	8.8	9.5	1.7
22	15.6	21.6	18.0	94.7	11.6	.5	12.1	.7
23	15.8	24.9	17.8	92.7	9.2	0.0	9.2	.8
24	14.9	23.6	18.8	86.7	10.0	41.0	51.0	4.0
25	15.4	23.0	18.9	86.3	2.7	1.2	3.9	4.4
26	16.1	23.1	19.0	85.0	0.0	1.5	1.5	3.6
27	16.8	23.6	18.8	92.0	2.4	7.4	9.8	0.0
28	16.2	20.0	17.4	89.3	3.1	0.0	3.1	0.0
29	14.5	23.8	18.9	90.0	0.0	17.2	17.2	3.1
30	14.9	23.2	17.2	97.0	15.0	0.0	15.0	2.3
31								
Total :					132.9	141.9	274.8	68.9
Promedio :	16.2	23.7	19.1	88.4				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.4	23.1	18.9	87.7	20.0	0.0	20.0	4.0
2	15.5	24.6	19.0	87.7	0.0	.2	.2	2.7
3	16.0	25.9	20.4	81.3	0.0	1.2	1.2	2.9
4	17.8	26.0	21.3	79.3	0.0	0.0	0.0	3.9
5	15.3	24.9	19.4	85.3	0.0	84.0	84.0	1.2
6	14.8	22.3	17.4	89.7	15.7	.1	15.8	1.9
7	15.0	23.8	18.6	83.7	5.0	17.6	22.6	5.3
8	15.4	24.2	19.4	86.7	7.5	0.0	7.5	6.9
9	17.0	25.2	20.7	85.7	0.0	5.3	5.3	6.1
10	15.6	23.4	19.1	93.0	4.2	0.0	4.2	5.7
11	16.9	23.4	19.8	92.3	0.0	4.1	4.1	2.6
12	16.0	24.2	20.0	87.0	0.0	1.0	1.0	5.2
13	15.6	24.1	19.2	83.7	7.5	0.0	7.5	4.5
14	16.2	24.2	20.4	83.0	0.0	0.0	0.0	3.7
15	16.9	25.7	20.4	83.7	0.0	3.5	3.5	2.6
16	16.2	23.1	19.2	91.3	0.0	2.3	2.3	1.3
17	15.2	22.1	18.3	95.3	15.2	44.8	60.0	.9
18	15.3	25.3	18.9	84.0	8.0	15.0	23.0	6.4
19	15.8	24.6	19.8	85.7	.1	1.8	1.9	4.3
20	17.0	25.0	20.5	85.3	0.0	7.4	7.4	1.3
21	15.8	26.7	20.2	87.7	0.0	7.2	7.2	4.5
22	16.6	24.7	20.1	87.7	0.0	23.6	23.6	3.3
23	16.2	25.0	19.2	92.0	20.1	8.8	28.9	2.5
24	15.6	24.0	19.4	89.3	1.0	18.0	19.0	2.5
25	16.5	24.4	20.2	86.7	.3	6.6	6.9	3.1
26	17.0	23.8	19.8	89.0	0.0	19.2	19.2	2.4
27	15.7	24.1	20.0	85.7	4.3	6.4	10.7	6.1
28	16.0	23.9	19.3	88.3	0.0	0.0	0.0	3.7
29	16.5	23.2	19.9	86.0	0.0	19.5	19.5	4.2
30	15.8	22.2	18.5	91.3	0.0	0.0	0.0	.9
31	15.4	24.2	20.4	85.0	0.0	4.0	4.0	4.2
Total :					108.9	301.6	410.5	110.8
Promedio :	16.0	24.2	19.6	87.1				

Estación : MONTELIBANO
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : YACOPI

Latitud : 5 ° 28 'N
Longitud : 74 ° 22 'W
Altitud : 1340 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	24.3	20.4	86.3	0.0	4.0	4.0	6.6
2	16.8	24.4	19.9	95.7	0.0	0.0	0.0	4.5
3	16.9	23.8	19.7	90.3	.3	.4	.7	3.4
4	16.8	23.7	20.0	89.0	0.0	2.5	2.5	6.6
5	16.7	24.1	20.3	86.0	0.0	.2	.2	6.0
6	17.2	23.2	20.1	90.3	0.0	0.0	0.0	1.6
7	16.9	24.3	20.0	84.7	1.8	2.1	3.9	4.8
8	16.9	22.4	19.1	89.7	.2	5.8	6.0	1.7
9	16.2	24.5	20.2	87.3	0.0	0.0	0.0	4.4
10	17.9	24.1	20.8	86.7	0.0	10.6	10.6	3.3
11	16.8	23.6	19.9	85.3	0.0	20.7	20.7	.5
12	15.2	24.9	19.7	87.0	40.9	4.1	45.0	2.8
13	16.8	23.2	19.1	90.3	12.1	1.4	13.5	1.2
14	16.4	24.8	20.3	87.3	0.0	10.3	10.3	3.9
15	16.5	24.6	19.2	93.7	0.0	0.0	0.0	2.6
16	16.8	24.2	20.0	85.0	0.0	7.4	7.4	4.9
17	16.7	22.6	18.6	90.0	0.0	25.5	25.5	4.6
18	15.9	18.2	16.9	97.3	1.5	3.7	5.2	0.0
19	15.8	22.2	18.2	87.0	2.6	7.2	9.8	1.3
20	15.6	21.3	17.9	94.0	.2	1.0	1.2	3.3
21	15.5	22.1	18.6	90.0	.6	0.0	.6	2.6
22	15.9	22.9	18.6	87.3	0.0	0.0	0.0	2.0
23	16.4	23.2	19.7	84.7	0.0	0.0	0.0	5.3
24	16.2	23.4	19.4	85.7	2.1	4.3	6.4	6.2
25	15.4	21.9	18.0	89.7	.3	3.5	3.8	1.8
26	15.5	22.4	18.2	88.3	1.0	0.0	1.0	3.6
27	15.6	19.2	17.1	95.3	3.7	0.0	3.7	.4
28	15.8	23.4	18.9	89.3	0.0	0.0	0.0	3.0
29	15.6	23.7	19.8	84.3	0.0	.4	.4	4.8
30	15.7	23.5	19.1	89.3	7.5	16.4	23.9	2.1
31								
Total :					74.8	131.5	206.3	99.8
Promedio :	16.3	23.1	19.3	88.9				

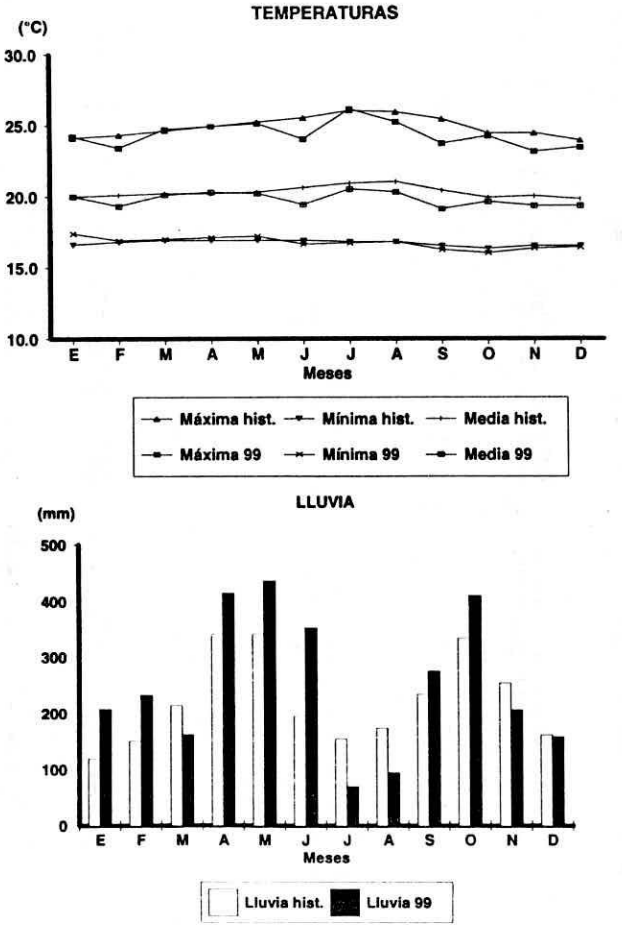
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.3	22.3	18.5	88.7	0.0	1.6	1.6	1.5
2	15.7	22.4	18.9	88.7	2.2	0.0	2.2	2.4
3	15.8	24.0	19.4	90.0	0.0	31.7	31.7	2.2
4	16.1	23.8	19.4	89.7	4.3	13.0	17.3	3.0
5	16.2	23.0	19.8	89.0	.7	2.5	3.2	1.2
6	16.9	22.0	18.2	93.3	2.6	0.0	2.6	2.9
7	16.4	22.1	19.0	88.7	0.0	0.0	0.0	1.6
8	15.6	23.2	19.6	86.0	0.0	.4	.4	4.3
9	17.4	25.0	20.6	88.0	0.0	0.0	0.0	2.6
10	17.5	24.4	20.4	91.7	.2	6.2	6.4	2.7
11	16.9	22.2	18.8	92.3	1.3	6.5	7.8	1.0
12	16.2	23.8	18.6	92.0	10.0	5.8	15.8	2.0
13	16.4	23.9	19.6	88.3	0.0	0.0	0.0	5.7
14	17.0	24.1	19.6	87.3	4.8	10.5	15.3	2.4
15	15.8	25.2	19.0	88.3	3.9	21.6	25.5	4.0
16	16.0	25.2	19.6	84.3	.1	2.6	2.7	4.6
17	15.9	23.0	19.6	89.3	2.3	1.5	3.8	3.7
18	16.9	23.3	19.6	87.7	.4	1.2	1.6	3.4
19	17.2	24.0	19.8	86.7	10.0	0.0	10.0	4.5
20	17.3	23.3	20.0	87.0	0.0	0.0	0.0	4.9
21	17.8	24.5	20.5	84.7	0.0	0.0	0.0	7.0
22	17.7	24.0	20.4	84.7	0.0	.2	.2	8.6
23	16.7	23.9	19.6	83.0	0.0	0.0	0.0	7.9
24	15.3	23.8	19.3	85.0	0.0	1.1	1.1	6.8
25	15.9	23.0	19.3	83.0	0.0	1.3	1.3	3.3
26	16.3	23.3	19.0	91.0	0.0	3.3	3.3	5.6
27	15.8	21.8	18.2	90.0	4.1	0.0	4.1	4.5
28	15.7	22.1	18.4	86.3	0.0	0.0	0.0	6.6
29	15.8	21.8	18.4	89.3	0.0	0.0	0.0	3.9
30	15.9	22.4	18.7	87.0	0.0	0.0	0.0	4.1
31	16.0	23.5	19.6	85.3	0.0	0.0	0.0	4.1
Total :					46.9	111.0	157.9	123.0
Promedio :	16.4	23.4	19.3	87.9				

Estación : MONTELIBANO
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : YACOPI

Latitud : 5 ° 28 'N
Longitud : 74 ° 22 'W
Altitud : 1340 m

MES	TEMPERATURA °C						PRECIPITACION		
	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	17.4	24.2	20.0	26.1	16.2	86.5	207.1	17	115.8
Febrero	16.9	23.4	19.3	26.3	15.9	88.3	232.1	25	59.8
Marzo	17.0	24.7	20.1	27.1	15.6	84.7	161.6	19	115.1
Abril	17.1	24.9	20.3	28.3	15.7	84.2	415.2	22	110.6
Mayo	17.2	25.1	20.2	28.0	15.8	84.9	435.7	25	134.4
Junio	16.6	24.0	19.4	27.2	15.0	89.0	352.3	28	93.6
Julio	16.7	26.1	20.5	28.4	15.2	77.9	69.0	17	177.5
Agosto	16.8	25.2	20.3	27.8	15.5	80.0	93.9	15	123.2
Septiembre	16.2	23.7	19.1	26.8	14.5	88.4	274.8	27	68.9
Octubre	16.0	24.2	19.6	26.7	14.8	87.1	410.5	27	110.8
Noviembre	16.3	23.1	19.3	24.9	15.2	88.9	206.3	23	99.8
Diciembre	16.4	23.4	19.3	25.2	15.3	87.9	157.9	21	123.0
Promedio :	16.7	24.3	19.8			85.7			
Absoluta :				28.4	14.5				
Total :							3016.4	266	1332.5



Estación : SANTA ROSITA
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : EL PEÑON

Latitud : 5 ° 17 'N
Longitud : 74 ° 17 'W
Altitud : 1430 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.7	26.1	19.2	88.0	9.6	.1	9.7	4.0
2	15.6	23.4	18.6	93.3	.4	19.1	19.5	2.2
3	16.8	26.2	20.2	84.0	1.2	4.6	5.8	3.1
4	16.9	23.8	19.6	90.7	.3	0.0	.3	2.5
5	17.1	25.9	19.8	84.3	0.0	0.0	0.0	5.7
6	17.0	25.2	19.6	84.0	0.0	0.0	0.0	5.7
7	17.1	25.6	20.1	84.3	0.0	1.0	1.0	1.0
8	16.8	25.2	19.4	87.0	25.0	5.7	30.7	2.2
9	16.4	23.2	19.7	86.3	0.0	0.0	0.0	.5
10	17.2	24.6	19.6	88.0	4.0	.5	4.5	1.2
11	17.1	22.9	18.2	91.7	11.2	1.1	12.3	.8
12	16.2	22.2	17.9	93.0	12.5	0.0	12.5	2.2
13	16.0	24.4	19.3	82.7	0.0	0.0	0.0	5.1
14	16.8	24.2	19.4	84.7	2.5	0.0	2.5	3.3
15	15.8	24.9	18.8	82.7	0.0	0.0	0.0	5.1
16	14.8	25.1	18.8	80.0	0.0	0.0	0.0	5.7
17	15.3	26.4	19.8	78.0	1.0	6.0	7.0	4.6
18	16.8	23.6	19.6	85.0	0.0	0.0	0.0	2.7
19	16.1	24.8	19.5	82.3	30.2	30.0	60.2	2.9
20	16.5	25.2	19.2	88.3	19.5	0.0	19.5	2.2
21	15.8	25.0	19.2	84.3	3.0	0.0	3.0	4.5
22	16.3	25.3	20.1	86.0	6.0	0.0	6.0	2.1
23	16.9	25.6	19.8	86.0	4.5	0.0	4.5	2.8
24	16.8	24.6	19.1	87.0	12.0	0.0	12.0	2.0
25	16.9	23.8	19.4	86.7	4.0	0.0	4.0	2.7
26	17.0	24.4	20.4	86.0	0.0	12.5	12.5	2.8
27	16.8	25.8	19.4	84.3	0.0	0.0	0.0	3.1
28	17.2	23.2	19.6	87.3	1.0	53.0	54.0	.5
29	16.1	26.4	20.3	80.3	0.0	1.5	1.5	4.6
30	17.2	27.4	21.2	82.7	0.0	15.0	15.0	5.7
31	16.9	26.2	21.1	84.0	21.2	0.0	21.2	4.0
Total :					169.1	150.1	319.2	97.5
Promedio :	16.5	24.9	19.5	85.6				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.6	26.2	20.4	87.7	13.0	0.0	13.0	1.5
2	17.9	24.2	19.6	85.7	12.0	13.0	25.0	1.6
3	17.1	21.4	18.5	93.0	0.0	0.0	0.0	.3
4	17.0	22.9	19.7	86.3	0.0	11.0	11.0	1.1
5	16.4	22.6	18.7	87.7	6.5	0.0	6.5	.2
6	16.9	25.2	19.4	86.0	2.0	2.0	4.0	.3
7	16.7	24.0	19.2	87.0	7.5	1.5	9.0	1.8
8	16.3	26.4	21.2	80.7	0.0	0.0	0.0	6.0
9	17.1	26.0	21.4	82.3	0.0	0.0	0.0	5.0
10	17.3	21.4	18.9	93.0	2.5	0.0	2.5	0.0
11	16.4	25.2	19.8	86.3	1.0	0.0	1.0	2.7
12	16.1	26.2	19.4	83.7	0.0	20.0	20.0	5.0
13	15.9	26.9	19.2	84.0	1.0	1.0	2.0	5.4
14	15.9	25.1	19.5	85.3	1.0	20.0	21.0	4.2
15	16.1	23.3	18.4	88.7	1.0	0.0	1.0	1.4
16	16.4	25.0	19.6	85.7	0.0	6.0	6.0	2.1
17	15.2	23.4	19.2	87.7	0.0	26.1	26.1	3.3
18	16.5	23.2	18.8	92.0	4.0	4.0	8.0	1.5
19	15.6	24.3	19.2	84.3	31.0	23.0	54.0	2.3
20	16.3	21.4	18.0	91.7	0.0	0.0	0.0	0.0
21	15.9	24.2	19.2	87.0	.5	21.0	21.5	1.4
22	15.8	24.9	18.6	84.0	0.0	0.0	0.0	2.4
23	16.3	24.4	19.0	85.7	0.0	4.0	4.0	1.8
24	16.0	22.9	17.8	93.7	4.5	4.0	8.5	.4
25	16.6	26.4	19.1	93.7	6.0	3.2	9.2	3.3
26	16.9	24.9	20.2	87.0	3.1	19.0	22.1	2.8
27	16.7	25.0	19.9	86.0	0.0	12.0	12.0	2.7
28	16.4	24.2	18.7	90.0	1.0	0.0	1.0	2.7
29								
30								
31								
Total :					97.6	190.8	288.4	63.2
Promedio :	16.5	24.3	19.3	87.4				

Estación : SANTA ROSITA
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : EL PEÑON

Latitud : 5 ° 17 'N
Longitud : 74 ° 17 'W
Altitud : 1430 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.9	21.2	17.7	92.0	14.0	1.5	15.5	.3
2	16.2	21.6	17.8	90.3	1.0	0.0	1.0	2.0
3	15.7	26.1	19.8	81.0	0.0	0.0	0.0	3.7
4	16.1	24.9	20.1	85.0	0.0	7.0	7.0	2.4
5	15.1	25.2	19.6	83.7	0.0	1.0	1.0	2.6
6	16.4	27.8	19.9	80.0	52.0	0.0	52.0	6.4
7	15.4	26.6	21.0	74.7	0.0	0.0	0.0	6.6
8	16.7	25.2	19.7	82.3	0.0	3.5	3.5	4.1
9	16.6	24.4	19.2	86.7	2.8	29.0	31.8	.5
10	15.0	24.0	17.5	86.3	24.0	0.0	24.0	3.1
11	15.3	26.0	20.1	78.7	0.0	0.0	0.0	4.5
12	16.8	26.2	20.8	71.0	0.0	0.0	0.0	6.8
13	16.2	25.8	20.8	72.0	0.0	3.0	3.0	5.9
14	14.9	27.9	20.2	76.7	4.5	0.0	4.5	3.9
15	16.3	24.2	19.8	87.0	0.0	34.0	34.0	3.2
16	16.9	26.4	20.1	82.3	9.5	5.5	15.0	4.1
17	15.9	26.0	20.3	83.3	3.0	12.2	15.2	5.2
18	15.7	26.4	19.6	82.3	22.0	4.1	26.1	3.3
19	16.3	24.4	18.9	92.7	5.7	0.0	5.7	1.5
20	16.2	24.8	20.2	84.0	0.0	0.0	0.0	3.3
21	16.9	27.4	21.2	79.7	0.0	0.0	0.0	6.7
22	17.0	25.6	20.1	85.7	2.0	29.9	31.9	1.8
23	15.7	24.8	19.8	83.7	0.0	0.0	0.0	1.5
24	17.8	25.2	20.2	86.3	1.5	10.0	11.5	1.0
25	16.6	25.4	20.8	83.3	0.0	0.0	0.0	.8
26	16.2	28.9	21.5	76.7	0.0	0.0	0.0	6.0
27	17.8	25.2	20.9	83.3	0.0	2.0	2.0	.7
28	17.1	25.4	19.6	86.3	49.0	0.0	49.0	1.5
29	15.6	24.4	18.9	89.7	3.0	0.0	3.0	3.9
30	15.6	27.9	19.7	83.7	20.0	.5	20.5	5.2
31	15.2	27.4	20.1	85.0	30.0	0.0	30.0	4.6
Total :					244.0	143.2	387.2	107.1
Promedio :	16.2	25.6	19.9	83.1				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.5	26.2	20.3	85.7	0.0	26.0	26.0	3.0
2	17.4	24.6	20.6	90.7	0.0	0.0	0.0	1.3
3	16.4	26.1	20.9	80.3	0.0	8.0	8.0	4.8
4	17.4	22.2	18.6	90.7	2.0	0.0	2.0	1.4
5	15.2	26.8	19.7	81.3	19.0	1.0	20.0	7.2
6	16.7	25.9	19.4	86.0	15.0	21.0	36.0	3.2
7	16.1	24.0	19.8	86.7	0.0	2.0	2.0	2.5
8	17.1	23.0	18.4	95.3	24.5	19.0	43.5	.6
9	16.4	21.6	18.7	91.7	2.5	10.0	12.5	.6
10	17.2	23.2	19.0	90.3	15.0	0.0	15.0	1.0
11	16.9	25.4	20.7	83.0	1.0	6.2	7.2	2.1
12	16.2	25.0	20.0	85.7	1.0	48.9	49.9	4.7
13	16.0	26.4	20.2	84.3	39.0	0.0	39.0	5.2
14	16.9	25.2	19.5	88.3	16.0	0.0	16.0	3.5
15	17.1	24.6	19.0	89.7	2.0	0.0	2.0	1.3
16	15.8	27.8	21.5	64.0	0.0	0.0	0.0	7.8
17	15.2	28.9	22.3	66.0	0.0	0.0	0.0	9.6
18	17.0	28.8	21.8	64.3	0.0	0.0	0.0	6.4
19	16.4	28.2	21.8	69.7	0.0	0.0	0.0	5.4
20	16.8	23.4	19.7	85.0	0.0	0.0	0.0	1.3
21	16.5	29.2	22.0	65.3	0.0	0.0	0.0	8.8
22	17.4	28.4	22.8	72.3	0.0	2.0	2.0	6.1
23	17.8	26.9	21.8	77.7	0.0	0.0	0.0	2.8
24	16.9	25.0	19.4	87.3	15.0	4.0	19.0	1.7
25	16.4	25.9	19.3	83.0	1.5	17.0	18.5	2.7
26	15.8	25.4	19.6	84.0	0.0	29.0	29.0	3.2
27	16.2	23.4	19.5	84.3	0.0	0.0	0.0	2.4
28	17.1	24.9	19.1	92.0	2.5	4.0	6.5	1.3
29	16.3	27.8	19.3	82.3	3.0	13.0	16.0	7.3
30	15.9	24.6	19.8	83.3	1.0	1.0	2.0	1.0
31								
Total :					160.0	212.1	372.1	110.2
Promedio :	16.6	25.6	20.2	82.3				

Estación : SANTA ROSITA
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : EL PEÑON

Latitud : 5 ° 17 'N
Longitud : 74 ° 17 'W
Altitud : 1430 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.8	28.5	20.4	78.3	11.0	4.0	15.0	6.0
2	16.2	23.9	18.8	89.3	7.0	4.0	11.0	1.0
3	15.8	26.8	19.5	88.7	0.0	3.0	3.0	4.6
4	16.4	24.0	17.2	96.0	14.5	0.0	14.5	1.3
5	15.3	27.2	20.1	80.0	12.0	6.0	18.0	5.5
6	15.6	26.2	19.0	86.0	0.0	60.0	60.0	3.4
7	15.8	25.2	18.6	90.0	1.0	0.0	1.0	2.5
8	16.1	25.9	20.0	83.3	0.0	32.0	32.0	2.9
9	15.9	24.6	18.6	90.7	47.0	0.0	47.0	2.8
10	15.8	25.4	19.7	87.0	0.0	0.0	0.0	2.2
11	16.8	24.6	19.0	84.7	0.0	16.0	16.0	1.4
12	16.1	25.4	18.8	90.7	1.0	6.0	7.0	4.5
13	15.4	23.2	18.4	89.0	4.0	1.0	5.0	1.6
14	15.8	26.4	19.3	82.7	1.0	0.0	1.0	4.9
15	15.4	26.8	20.1	83.0	0.0	0.0	0.0	6.5
16	15.6	26.9	20.8	81.0	1.0	0.0	1.0	5.8
17	16.6	26.9	21.4	78.7	0.0	13.0	13.0	8.2
18	16.1	26.2	20.3	83.7	0.0	0.0	0.0	7.1
19	17.2	26.9	21.4	78.0	0.0	1.0	1.0	5.8
20	16.3	25.6	20.6	76.3	0.0	0.0	0.0	6.0
21	17.1	24.9	20.5	79.7	2.0	0.0	2.0	3.7
22	17.2	27.2	20.5	82.3	0.0	0.0	0.0	3.0
23	16.8	26.7	21.7	74.7	0.0	0.0	0.0	8.1
24	16.9	28.4	22.5	72.7	0.0	0.0	0.0	8.8
25	16.2	26.4	19.8	85.3	3.0	0.0	3.0	4.0
26	16.2	27.2	20.0	84.0	4.0	0.0	4.0	6.3
27	16.4	27.4	20.9	80.3	0.0	.2	.2	4.9
28	17.4	26.6	21.7	78.0	0.0	0.0	0.0	4.3
29	17.8	25.8	21.0	78.0	.1	1.7	1.8	6.0
30	17.1	25.8	20.6	78.3	0.0	0.0	0.0	2.7
31	16.8	27.2	22.0	71.3	0.0	0.0	0.0	8.3
Total :					108.6	147.9	256.5	144.1
Promedio :	16.4	26.1	20.1	82.6				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.8	27.9	20.8	79.0	.6	.2	.8	5.2
2	18.3	27.8	22.1	80.3	0.0	0.0	0.0	5.9
3	16.2	28.4	21.0	81.0	6.8	.1	6.9	6.9
4	17.1	21.6	18.3	95.0	2.1	1.9	4.0	0.0
5	16.6	25.4	19.5	87.0	0.0	0.0	0.0	1.8
6	16.4	24.4	18.8	89.0	4.2	0.0	4.2	1.0
7	16.2	23.2	19.2	91.3	1.0	0.0	1.0	.8
8	17.2	25.4	19.4	90.7	0.0	.2	.2	2.3
9	16.8	25.9	18.9	90.7	4.1	0.0	4.1	2.7
10	15.2	28.4	22.0	77.7	0.0	.2	.2	6.6
11	16.9	26.0	21.2	73.0	0.0	0.0	0.0	4.4
12	17.0	27.6	21.4	81.7	0.0	40.4	40.4	2.2
13	16.8	24.6	19.3	89.0	5.0	0.0	5.0	2.5
14	16.7	27.8	20.8	85.0	25.4	0.0	25.4	.7
15	15.8	24.8	18.8	88.0	8.2	0.0	8.2	3.1
16	15.9	23.4	18.2	95.0	1.2	1.0	2.2	.5
17	16.4	27.8	19.0	84.7	49.0	6.1	55.1	6.6
18	15.7	23.1	18.2	94.3	9.5	0.0	9.5	.8
19	16.4	23.6	19.5	91.7	0.0	0.0	0.0	1.2
20	17.4	26.4	21.5	82.7	0.0	0.0	0.0	4.8
21	17.7	25.2	19.7	89.0	34.7	0.0	34.7	.8
22	15.8	24.0	19.6	89.0	0.0	0.0	0.0	3.1
23	16.6	23.2	18.7	89.3	2.9	0.0	2.9	1.1
24	15.1	21.8	18.2	92.7	1.5	0.0	1.5	1.3
25	15.6	25.2	19.2	87.3	10.4	6.2	16.6	2.1
26	16.2	26.6	18.9	83.0	31.4	.6	32.0	7.1
27	15.9	24.9	20.2	83.7	0.0	.8	.8	2.4
28	16.9	22.4	19.3	89.0	12.9	0.0	12.9	1.1
29	15.8	26.1	19.0	86.0	18.8	0.0	18.8	3.5
30	13.8	26.4	19.6	78.0	0.0	0.0	0.0	6.7
31								
Total :					229.7	57.7	287.4	89.2
Promedio :	16.4	25.3	19.7	86.5				

Estación : SANTA ROSITA
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : EL PEÑON

Latitud : 5 ° 17 'N
Longitud : 74 ° 17 'W
Altitud : 1430 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.9	22.9	17.8	94.0	16.8	10.5	27.3	1.3
2	15.2	25.6	18.8	84.7	1.1	15.5	16.6	1.5
3	16.2	24.6	19.7	83.7	0.0	0.0	0.0	2.0
4	15.1	24.1	19.9	80.7	0.0	.8	.8	4.6
5	15.0	25.6	18.2	82.7	8.0	4.0	12.0	3.7
6	14.8	26.8	20.2	73.0	0.0	0.0	0.0	7.9
7	15.9	22.6	18.1	87.3	.5	7.0	7.5	.8
8	15.6	25.2	19.0	75.0	0.0	0.0	0.0	4.0
9	16.2	25.2	20.1	64.3	0.0	0.0	0.0	7.0
10	13.8	25.4	20.0	65.3	0.0	0.0	0.0	6.9
11	14.6	26.5	21.3	64.7	0.0	0.0	0.0	6.3
12	16.2	26.2	19.6	78.0	2.0	0.0	2.0	6.0
13	15.2	24.2	20.0	72.3	0.0	0.0	0.0	6.7
14	16.6	27.8	21.5	63.0	0.0	0.0	0.0	9.1
15	15.2	28.8	22.0	62.3	0.0	0.0	0.0	8.0
16	16.2	28.1	21.2	73.0	0.0	0.0	0.0	6.5
17	14.8	28.6	20.4	78.7	7.1	.2	7.3	7.8
18	16.3	27.9	21.7	76.7	0.0	0.0	0.0	5.2
19	16.8	26.6	20.3	80.3	8.1	0.0	8.1	6.9
20	17.2	26.5	20.5	86.3	25.5	.1	25.6	3.9
21	16.6	26.0	21.2	74.0	0.0	0.0	0.0	5.2
22	16.8	28.4	21.2	75.7	0.0	0.0	0.0	3.8
23	16.3	24.4	19.6	81.3	1.6	0.0	1.6	1.7
24	14.9	25.8	20.0	80.7	0.0	0.0	0.0	5.0
25	16.8	29.7	22.4	73.0	0.0	0.0	0.0	7.2
26	16.6	26.4	21.3	71.7	0.0	0.0	0.0	5.6
27	16.5	27.4	20.6	74.7	0.0	0.0	0.0	4.2
28	15.6	28.5	20.8	74.3	0.0	0.0	0.0	6.3
29	15.9	23.4	19.5	85.0	0.0	0.0	0.0	.4
30	15.2	27.8	21.7	64.7	0.0	0.0	0.0	5.3
31	16.4	26.2	18.6	89.0	1.1	0.0	1.1	2.1
Total :					71.8	38.1	109.9	152.9
Promedio :	15.8	26.2	20.2	76.5				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.1	26.2	20.5	69.7	0.0	0.0	0.0	5.4
2	16.7	26.6	21.2	62.0	0.0	0.0	0.0	7.2
3	15.6	26.4	19.7	78.3	0.0	0.0	0.0	3.9
4	15.4	25.2	19.4	71.0	0.0	0.0	0.0	3.3
5	16.1	25.6	19.5	80.0	0.0	0.0	0.0	3.4
6	15.7	27.9	20.9	79.7	.7	13.5	14.2	5.2
7	15.8	22.6	18.8	91.0	.9	0.0	.9	.7
8	16.8	24.6	20.0	86.0	.7	0.0	.7	4.0
9	16.1	25.4	20.0	71.0	0.0	0.0	0.0	6.2
10	15.9	27.4	20.9	68.3	.1	0.0	.1	3.9
11	16.2	27.6	21.0	69.0	0.0	0.0	0.0	7.0
12	15.6	25.8	20.6	74.3	.4	0.0	.4	3.3
13	16.2	24.8	18.7	88.3	23.5	0.0	23.5	2.5
14	15.2	25.4	18.6	86.3	21.4	0.0	21.4	4.0
15	15.0	24.9	20.2	74.7	0.0	0.0	0.0	5.6
16	16.9	27.6	21.2	63.0	0.0	0.0	0.0	5.5
17	15.8	28.4	20.2	75.3	1.9	0.0	1.9	5.9
18	16.4	28.2	22.2	62.3	0.0	0.0	0.0	8.7
19	16.3	29.8	22.3	71.3	0.0	0.0	0.0	5.8
20	15.8	27.4	19.6	80.3	1.0	.3	1.3	4.7
21	16.8	25.1	20.6	81.0	0.0	.3	.3	.9
22	16.8	23.4	18.4	95.3	7.0	0.0	7.0	.9
23	13.7	26.4	18.8	82.3	2.4	0.0	2.4	6.0
24	15.4	26.9	21.2	76.0	0.0	10.3	10.3	5.9
25	15.6	24.1	18.0	93.3	0.0	.6	.6	1.1
26	16.2	24.6	20.6	79.7	0.0	18.7	18.7	3.2
27	16.0	25.4	20.6	82.0	1.4	0.0	1.4	3.3
28	17.4	24.9	19.7	86.3	.8	0.0	.8	2.7
29	16.8	27.1	21.5	79.7	0.0	0.0	0.0	6.0
30	17.2	28.6	22.4	64.0	0.0	0.0	0.0	7.2
31	15.8	27.7	22.0	56.3	0.0	0.0	0.0	4.9
Total :					62.2	43.7	105.9	138.3
Promedio :	16.0	26.2	20.3	76.7				

Estación : SANTA ROSITA
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : EL PEÑON

Latitud : 5 ° 17 'N
Longitud : 74 ° 17 'W
Altitud : 1430 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.2	26.4	19.6	83.7	.8	0.0	.8	2.1
2	17.2	24.4	20.0	86.3	0.0	0.0	0.0	1.0
3	17.1	25.4	19.7	86.0	0.0	0.0	0.0	2.7
4	16.2	25.2	18.6	85.7	8.5	0.0	8.5	2.0
5	15.8	24.6	18.5	86.3	11.2	0.0	11.2	.5
6	13.7	25.4	20.4	80.7	0.0	0.0	0.0	4.9
7	16.4	28.4	20.8	82.7	4.3	0.0	4.3	6.6
8	16.2	24.8	19.4	88.3	1.1	.9	2.0	1.1
9	16.0	23.4	18.6	91.3	.6	24.6	25.2	1.5
10	16.1	24.8	19.4	84.0	.8	7.2	8.0	4.4
11	15.2	25.9	18.2	86.3	5.1	6.1	11.2	4.0
12	16.2	24.6	19.0	87.3	0.0	0.0	0.0	2.1
13	16.6	24.4	19.3	87.0	0.0	13.7	13.7	2.7
14	15.2	20.4	18.4	90.0	3.5	0.0	3.5	0.0
15	16.2	26.6	19.3	79.7	6.4	6.3	12.7	3.5
16	16.0	27.2	18.8	84.0	49.5	1.4	50.9	6.4
17	15.6	24.2	19.5	80.3	0.0	0.0	0.0	4.5
18	15.8	25.6	20.4	78.3	0.0	0.0	0.0	3.8
19	15.6	24.2	20.4	81.0	0.0	0.0	0.0	2.0
20	16.5	27.4	20.0	82.0	10.1	0.0	10.1	5.4
21	15.8	25.2	20.0	82.3	0.0	0.0	0.0	3.1
22	16.0	24.4	18.8	87.3	4.0	0.0	4.0	1.6
23	16.2	24.2	18.0	90.7	2.1	0.0	2.1	1.5
24	14.8	25.6	19.2	83.7	.1	12.4	12.5	4.7
25	16.1	25.2	19.2	87.0	0.0	2.6	2.6	2.9
26	15.9	25.4	19.0	85.7	14.4	.9	15.3	3.3
27	16.9	22.4	18.6	93.7	2.4	0.0	2.4	0.0
28	15.9	20.0	17.4	93.3	5.6	0.0	5.6	0.0
29	14.9	24.8	19.5	85.3	0.0	18.8	18.8	4.2
30	15.2	23.2	18.1	96.3	7.6	0.0	7.6	2.1
31								
Total :					138.1	94.9	233.0	84.6
Promedio :	15.9	24.8	19.2	85.9				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.1	24.9	19.3	87.3	11.0	.3	11.3	3.0
2	15.9	23.4	19.2	86.3	0.0	19.3	19.3	3.1
3	16.3	25.6	20.1	82.3	0.0	.3	.3	3.9
4	17.2	25.4	20.5	75.0	0.0	0.0	0.0	5.0
5	15.8	25.6	20.7	76.3	0.0	26.1	26.1	2.5
6	15.2	26.2	18.6	82.3	8.7	.5	9.2	2.6
7	15.1	26.8	19.5	81.3	0.0	0.0	0.0	5.3
8	16.0	27.2	20.4	80.0	0.0	0.0	0.0	6.3
9	16.2	25.8	20.9	74.3	0.0	0.0	0.0	5.6
10	16.9	24.9	20.0	85.7	0.0	0.0	0.0	5.0
11	17.2	24.4	20.2	85.3	0.0	1.5	1.5	2.9
12	16.4	25.1	20.0	84.0	0.0	0.0	0.0	3.2
13	15.3	27.2	20.4	75.7	0.0	0.0	0.0	5.4
14	16.4	25.2	20.1	76.7	0.0	0.0	0.0	4.1
15	16.0	25.4	20.5	76.3	0.0	0.0	0.0	3.1
16	16.4	23.6	19.4	88.7	0.0	18.5	18.5	.7
17	16.2	22.9	19.0	88.7	0.0	4.1	4.1	1.0
18	15.4	25.0	18.6	81.0	7.9	3.7	11.6	4.9
19	15.2	25.2	18.7	84.7	4.0	1.2	5.2	5.2
20	16.2	25.0	20.4	78.7	0.0	3.8	3.8	2.5
21	16.6	25.4	20.9	76.3	0.0	28.4	28.4	5.1
22	16.7	25.9	19.8	84.3	11.0	41.7	52.7	3.0
23	16.4	25.8	19.8	85.0	0.0	41.4	41.4	4.0
24	16.5	25.9	20.4	82.3	1.2	8.9	10.1	3.6
25	16.8	24.8	19.8	86.7	.7	5.5	6.2	4.3
26	16.7	24.9	20.1	89.3	4.8	44.1	48.9	3.6
27	15.4	26.1	19.9	84.7	4.5	18.3	22.8	5.4
28	16.2	24.6	19.6	84.0	0.0	.5	.5	2.5
29	16.5	26.4	20.1	84.0	2.5	15.2	17.7	5.2
30	16.0	23.9	18.0	90.0	19.6	0.0	19.6	.8
31	15.2	25.6	20.2	84.0	0.0	2.9	2.9	4.3
Total :					75.9	286.2	362.1	117.1
Promedio :	16.1	25.3	19.8	82.6				

Estación : SANTA ROSITA
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : EL PEÑON

Latitud : 5 ° 17 'N
Longitud : 74 ° 17 'W
Altitud : 1430 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.2	25.9	20.6	88.0	4.1	0.0	4.1	3.4
2	17.1	25.8	20.4	87.3	0.0	0.0	0.0	4.5
3	16.8	25.9	20.2	88.0	2.0	4.8	6.8	2.0
4	17.6	24.8	20.0	88.7	.1	2.1	2.2	4.8
5	16.8	25.6	20.3	85.7	1.4	0.0	1.4	4.2
6	16.6	25.8	21.0	84.0	0.0	4.9	4.9	2.6
7	16.2	25.0	19.7	90.0	2.4	3.7	6.1	2.7
8	17.4	21.9	18.6	92.3	30.0	8.0	38.0	.1
9	15.9	25.2	20.2	86.0	0.0	0.0	0.0	4.0
10	17.2	27.4	20.8	83.7	2.9	.8	3.7	4.0
11	17.8	22.5	20.2	88.0	0.0	37.7	37.7	.1
12	15.2	26.6	20.3	83.3	0.0	3.4	3.4	3.3
13	16.8	26.9	20.2	86.3	.8	0.0	.8	2.5
14	16.4	25.8	20.3	86.7	0.0	0.0	0.0	6.8
15	17.2	27.2	20.8	81.7	0.0	0.0	0.0	4.0
16	16.6	27.0	20.8	85.0	.5	14.5	15.0	7.9
17	16.8	24.8	19.2	92.0	0.0	9.5	9.5	3.3
18	16.0	19.0	17.6	96.3	8.4	1.1	9.5	0.0
19	16.4	22.4	18.0	93.3	1.4	1.7	3.1	.5
20	16.2	24.0	19.4	87.0	0.0	0.0	0.0	5.0
21	15.4	24.6	19.0	84.0	0.0	0.0	0.0	2.6
22	15.8	26.1	19.3	83.7	0.0	0.0	0.0	2.5
23	16.8	26.9	20.6	81.0	0.0	0.0	0.0	5.7
24	17.3	26.8	19.4	83.7	1.3	0.0	1.3	2.6
25	16.2	23.2	19.2	85.0	0.0	1.1	1.1	2.0
26	16.0	23.8	18.8	87.7	2.0	.3	2.3	1.9
27	16.2	22.6	18.1	92.3	0.0	0.0	0.0	.7
28	16.3	24.0	19.5	86.7	0.0	0.0	0.0	2.0
29	15.6	26.2	20.0	82.3	0.0	0.0	0.0	5.1
30	15.4	25.8	19.8	85.7	0.0	25.1	25.1	3.9
31								
Total :					57.3	118.7	176.0	94.7
Promedio :	16.5	25.0	19.7	86.8				

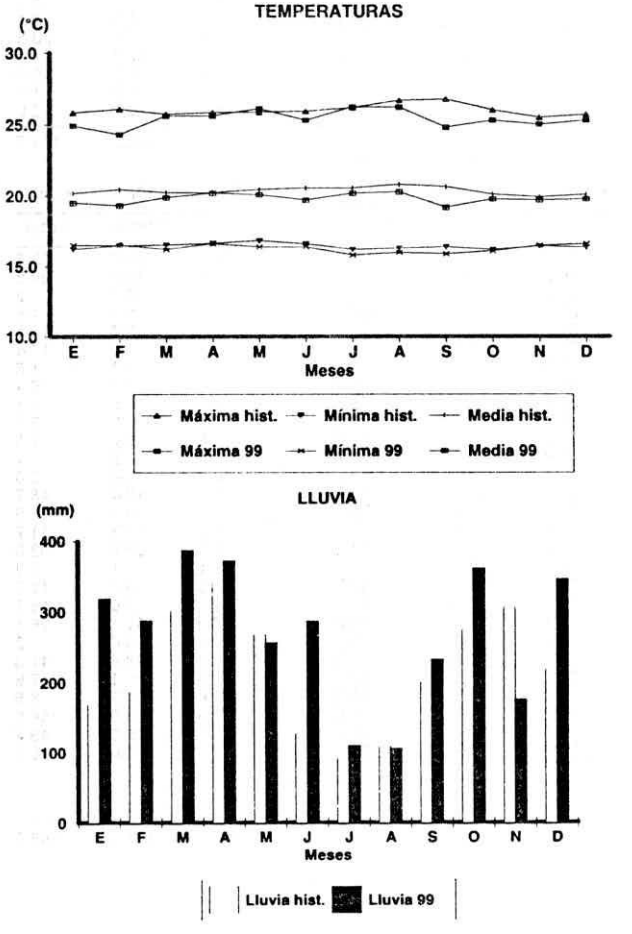
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.6	23.9	18.9	89.0	1.8	.2	2.0	.3
2	16.3	24.0	19.4	88.0	.5	.2	.7	.8
3	16.4	24.8	19.7	86.7	.2	44.6	44.8	3.7
4	16.8	24.6	19.1	87.7	66.7	11.4	78.1	2.7
5	16.4	24.2	19.7	88.3	10.4	.3	10.7	2.2
6	17.2	23.9	18.8	95.7	3.3	0.0	3.3	.8
7	17.3	22.9	19.4	87.7	0.0	0.0	0.0	1.8
8	16.6	26.4	19.8	83.7	23.6	.8	24.4	4.9
9	17.2	26.6	20.8	82.3	0.0	0.0	0.0	5.5
10	16.9	26.4	21.0	82.3	4.8	1.0	5.8	2.1
11	17.6	24.2	19.7	91.3	1.2	0.0	1.2	.8
12	16.6	25.2	19.4	86.7	21.8	5.0	26.8	2.0
13	16.2	26.8	19.9	82.0	6.2	3.5	9.7	4.5
14	16.9	25.4	19.6	84.0	1.3	1.8	3.1	2.9
15	15.9	27.2	20.5	82.3	0.0	56.6	56.6	3.8
16	16.0	26.1	19.9	83.0	0.0	29.8	29.8	4.2
17	15.8	25.9	19.7	85.3	20.5	17.7	38.2	4.1
18	16.2	26.4	20.1	86.7	1.2	1.6	2.8	4.9
19	17.2	25.4	20.5	87.3	.2	3.6	3.8	2.5
20	17.7	25.9	20.5	86.7	2.4	0.0	2.4	4.9
21	17.8	26.9	20.8	82.7	0.0	0.0	0.0	5.6
22	17.2	25.9	20.5	83.3	0.0	0.0	0.0	7.3
23	16.2	25.8	19.8	78.3	0.0	0.0	0.0	7.1
24	15.4	26.2	19.7	80.0	0.0	.5	.5	6.1
25	16.2	24.8	19.8	82.0	0.0	0.0	0.0	3.1
26	16.8	25.9	20.3	81.0	0.0	0.0	0.0	5.5
27	16.9	22.4	18.4	88.3	1.0	0.0	1.0	4.7
28	16.0	25.6	19.6	80.3	0.0	0.0	0.0	5.8
29	15.8	23.9	19.0	82.3	0.0	0.0	0.0	3.2
30	16.1	23.9	18.6	84.0	0.0	0.0	0.0	1.7
31	15.9	26.6	20.2	83.7	.2	.8	1.0	3.4
Total :					167.3	179.4	346.7	112.9
Promedio :	16.6	25.3	19.8	84.9				

Estación : SANTA ROSITA
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : EL PEÑON

Latitud : 5 ° 17 'N
Longitud : 74 ° 17 'W
Altitud : 1430 m

MES	TEMPERATURA °C					Hum. Rel. (%	PRECIPITACION		
	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.		Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	16.5	24.9	19.5	27.4	14.8	85.6	319.2	23	97.5
Febrero	16.5	24.3	19.3	26.9	15.2	87.4	288.4	23	63.2
Marzo	16.2	25.6	19.9	28.9	14.9	83.1	387.2	22	107.1
Abril	16.6	25.6	20.2	29.2	15.2	82.3	372.1	21	110.2
Mayo	16.4	26.1	20.1	28.5	15.3	82.6	256.5	21	144.1
Junio	16.4	25.3	19.7	28.4	13.8	86.5	287.4	23	89.2
Julio	15.8	26.2	20.2	29.7	13.8	76.5	109.9	11	152.9
Agosto	16.0	26.2	20.3	29.8	13.7	76.7	105.9	17	138.3
Septiembre	15.9	24.8	19.2	28.4	13.7	85.9	233.0	22	84.6
Octubre	16.1	25.3	19.8	27.2	15.1	82.6	362.1	22	117.1
Noviembre	16.5	25.0	19.7	27.4	15.2	86.8	176.0	19	94.7
Diciembre	16.6	25.3	19.8	27.2	15.4	84.9	346.7	21	112.9
Promedio :	16.3	25.4	19.8			83.4			
Absoluta :				29.8	13.7				
Total :							3244.4	245	1311.8



Estación : SANTA BARBARA
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : SASAIMA

Latitud : 4 ° 57 'N
Longitud : 74 ° 25 'W
Altitud : 1450 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.6	25.8	19.9	81.0	4.6	0.0	4.6	4.4
2	15.8	23.8	19.2	86.7	2.0	0.0	2.0	2.4
3	16.8	25.9	19.9	82.7	9.4	15.0	24.4	2.9
4	16.5	24.2	19.6	85.0	1.2	0.0	1.2	1.4
5	17.5	26.9	21.2	78.3	0.0	0.0	0.0	5.8
6	17.8	26.5	21.1	77.7	0.0	3.9	3.9	3.8
7	16.8	25.0	20.4	80.3	0.0	14.3	14.3	1.7
8	16.6	23.8	19.8	80.3	0.0	.8	.8	.4
9	17.6	22.7	19.2	90.0	4.4	0.0	4.4	.1
10	16.7	23.2	19.5	83.7	1.2	.2	1.4	.7
11	16.8	22.8	19.0	86.7	.5	1.2	1.7	.2
12	16.9	23.5	18.2	92.3	6.1	0.0	6.1	1.5
13	16.8	26.2	20.0	79.0	0.0	.6	.6	5.5
14	17.2	24.3	20.2	81.3	0.0	0.0	0.0	1.5
15	16.8	25.0	19.7	79.0	0.0	0.0	0.0	3.5
16	13.8	25.1	18.8	79.7	7.9	0.0	7.9	4.7
17	16.0	26.0	20.2	74.3	0.0	14.7	14.7	3.9
18	16.1	24.0	19.0	82.3	.7	5.2	5.9	1.1
19	15.3	24.4	18.8	80.0	1.4	.4	1.8	2.5
20	14.5	23.7	19.3	84.7	1.0	.6	1.6	3.6
21	15.2	23.5	18.7	87.3	.2	0.0	.2	2.0
22	16.0	24.8	19.7	85.0	.1	0.0	.1	2.1
23	15.6	24.4	19.2	83.3	.3	0.0	.3	2.3
24	15.4	24.3	19.0	87.0	8.1	0.0	8.1	1.3
25	14.8	24.7	19.0	86.3	4.0	.1	4.1	2.2
26	16.4	23.1	19.0	87.0	0.0	8.5	8.5	.5
27	16.1	24.7	20.0	84.0	15.3	8.5	23.8	2.8
28	16.7	21.8	18.8	91.7	.5	27.0	27.5	.1
29	15.9	24.9	19.8	82.7	0.0	0.0	0.0	3.8
30	14.8	26.6	21.0	81.7	.6	1.2	1.8	7.5
31	16.0	23.8	20.4	85.7	0.0	0.0	0.0	3.0
Total :					69.5	102.2	171.7	79.2
Promedio :	16.2	24.5	19.6	83.4				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.8	26.0	19.6	83.3	44.2	18.6	62.8	1.7
2	17.2	24.2	19.9	86.7	0.0	34.8	34.8	.7
3	16.6	21.0	18.6	90.3	.2	0.0	.2	0.0
4	15.2	23.8	19.2	86.0	.1	1.5	1.6	2.5
5	16.8	21.2	18.3	91.3	4.6	6.7	11.3	.3
6	16.0	22.9	19.1	85.0	12.6	5.0	17.6	.1
7	16.8	23.0	18.2	91.7	1.0	0.0	1.0	.2
8	15.1	24.5	19.5	86.0	6.4	0.0	6.4	3.0
9	15.8	26.2	20.6	78.3	1.1	0.0	1.1	5.4
10	17.0	20.4	18.5	93.7	2.1	0.0	2.1	0.0
11	15.8	24.0	19.0	86.0	1.8	0.0	1.8	1.2
12	16.7	26.9	20.6	75.7	0.0	.2	.2	4.3
13	15.8	26.1	19.6	80.3	0.0	0.0	0.0	2.7
14	15.4	23.8	19.6	82.7	5.3	40.4	45.7	2.4
15	16.1	21.8	18.6	90.3	.2	0.0	.2	.1
16	16.9	23.8	19.6	84.3	0.0	31.7	31.7	1.2
17	16.8	24.9	19.8	78.7	0.0	32.0	32.0	1.5
18	16.0	24.6	18.8	84.7	.1	1.1	1.2	1.1
19	16.7	23.5	19.0	83.7	3.3	9.4	12.7	1.8
20	16.1	20.5	17.6	91.7	18.1	0.0	18.1	0.0
21	15.9	22.4	18.4	86.0	17.0	81.1	98.1	2.1
22	15.8	25.8	19.3	78.0	.3	0.0	.3	3.2
23	16.4	24.7	19.0	85.3	2.9	38.4	41.3	1.1
24	15.7	21.8	18.3	87.0	7.5	.1	7.6	.5
25	16.6	25.4	19.7	80.0	1.8	1.7	3.5	1.9
26	16.0	24.2	19.8	87.0	1.6	53.0	54.6	2.2
27	15.8	24.8	18.8	86.7	3.9	45.3	49.2	4.8
28	15.9	24.0	18.4	92.7	6.2	0.0	6.2	2.2
29								
30								
31								
Total :					142.3	401.0	543.3	48.2
Promedio :	16.2	23.8	19.1	85.5				

Estación : SANTA BARBARA
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : SASAIMA

Latitud : 4 ° 57 'N
Longitud : 74 ° 25 'W
Altitud : 1450 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	23.0	18.7	88.3	2.5	1.8	4.3	1.2
2	16.6	22.8	18.9	87.7	.1	0.0	.1	1.9
3	15.9	23.6	18.8	83.7	.2	0.0	.2	1.8
4	15.1	23.6	19.3	80.3	0.0	0.0	0.0	3.1
5	14.9	24.2	19.2	81.0	0.0	3.8	3.8	2.4
6	15.4	26.7	21.4	73.7	0.0	0.0	0.0	7.2
7	15.8	27.2	21.3	72.0	0.0	0.0	0.0	5.3
8	15.4	25.6	19.7	76.0	7.0	33.8	40.8	3.5
9	16.3	23.8	19.2	85.0	.2	2.7	2.9	1.7
10	15.0	23.6	19.2	88.7	15.2	.7	15.9	1.3
11	15.2	27.8	20.6	75.0	0.0	0.0	0.0	6.3
12	17.5	25.6	20.4	78.3	0.0	0.0	0.0	3.2
13	15.9	26.9	20.6	74.0	0.0	15.1	15.1	7.5
14	14.8	27.4	20.8	76.7	2.7	0.0	2.7	3.9
15	17.0	22.6	19.1	87.0	5.8	3.7	9.5	.7
16	16.8	25.6	20.6	78.7	.6	40.0	40.6	2.9
17	14.8	25.9	20.4	81.3	0.0	22.1	22.1	4.2
18	16.4	24.4	18.8	92.7	26.5	13.1	39.6	1.9
19	15.6	25.0	19.7	83.7	3.6	.9	4.5	3.5
20	16.0	23.9	20.0	82.0	0.0	0.0	0.0	1.2
21	17.6	25.8	21.4	78.3	0.0	3.3	3.3	3.8
22	17.6	23.9	19.6	87.7	1.1	.1	1.2	1.8
23	14.6	22.0	19.0	87.0	0.0	0.0	0.0	.9
24	16.8	23.6	20.1	86.3	0.0	0.0	0.0	.2
25	16.0	24.8	20.0	84.3	0.0	0.0	0.0	1.2
26	15.8	27.6	22.0	70.7	0.0	0.0	0.0	5.4
27	17.9	24.8	21.0	76.7	0.0	1.4	1.4	0.0
28	17.4	24.0	19.6	88.0	13.4	0.0	13.4	2.0
29	15.5	24.0	19.1	87.0	1.4	5.6	7.0	3.4
30	15.7	27.0	20.8	76.7	9.0	7.0	16.0	4.1
31	15.6	25.8	20.3	77.7	2.2	6.5	8.7	3.8
Total :					91.5	161.6	253.1	91.3
Promedio :	16.1	24.9	20.0	81.5				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.8	25.0	20.4	81.0	6.1	0.0	6.1	2.1
2	17.8	23.6	20.1	87.3	.5	11.8	12.3	.2
3	16.6	27.2	20.8	78.7	.2	.6	.8	2.0
4	17.0	25.6	19.8	85.3	22.5	3.0	25.5	1.0
5	15.0	26.8	20.8	78.3	0.0	1.0	1.0	9.5
6	16.9	26.6	21.0	81.3	1.3	5.6	6.9	2.8
7	16.0	24.5	19.9	88.0	15.2	4.2	19.4	2.8
8	17.1	21.0	18.5	91.7	23.5	19.3	42.8	.3
9	16.8	21.8	18.8	92.3	1.3	8.6	9.9	0.0
10	17.1	21.6	18.4	93.7	9.0	0.0	9.0	.1
11	16.0	24.2	19.5	88.7	2.4	5.4	7.8	1.5
12	15.8	25.9	20.8	79.7	0.0	.2	.2	1.9
13	17.1	25.8	21.2	76.3	0.0	0.0	0.0	3.8
14	15.9	24.8	19.4	90.3	3.9	0.0	3.9	2.2
15	17.0	24.8	20.2	88.0	2.5	0.0	2.5	1.6
16	15.6	30.4	22.4	50.0	0.0	0.0	0.0	9.7
17	17.2	26.9	21.4	61.3	0.0	0.0	0.0	9.6
18	17.0	28.1	21.4	65.0	0.0	0.0	0.0	2.2
19	16.7	25.8	21.0	68.7	0.0	0.0	0.0	3.5
20	17.0	24.2	19.8	81.7	.1	0.0	.1	.2
21	16.8	26.0	20.3	76.7	0.0	0.0	0.0	1.0
22	17.0	28.5	22.8	70.7	0.0	.1	.1	6.8
23	17.7	26.8	21.8	70.7	0.0	0.0	0.0	2.4
24	17.0	25.3	19.5	92.3	7.4	7.3	14.7	2.4
25	17.2	25.0	19.4	85.7	13.4	1.8	15.2	.8
26	17.0	25.1	19.0	88.7	3.3	5.2	8.5	1.7
27	16.9	22.2	18.3	88.3	4.0	0.0	4.0	.9
28	16.0	23.4	19.2	86.0	11.3	1.1	12.4	.8
29	16.5	27.0	20.1	81.7	23.5	0.0	23.5	5.2
30	17.1	23.9	19.0	88.7	.3	0.0	.3	.8
31								
Total :					151.7	75.2	226.9	79.8
Promedio :	16.7	25.3	20.2	81.2				

Estación : SANTA BARBARA
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : SASAIMA

Latitud : 4 ° 57 'N
Longitud : 74 ° 25 'W
Altitud : 1450 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.9	25.4	20.8	80.7	0.0	0.0	0.0	3.7
2	17.2	21.8	19.1	91.3	5.5	1.2	6.7	.8
3	16.0	25.2	19.9	85.0	2.9	0.0	2.9	3.7
4	16.6	22.0	18.8	89.3	7.0	0.0	7.0	.4
5	15.0	26.1	20.8	79.0	0.0	28.7	28.7	5.6
6	14.7	25.5	19.3	85.0	17.3	0.0	17.3	2.9
7	16.0	24.0	19.0	89.0	7.0	0.0	7.0	1.0
8	16.1	23.8	19.4	87.7	8.8	0.0	8.8	1.3
9	17.0	26.0	19.2	86.0	16.1	3.0	19.1	2.2
10	16.0	24.3	19.3	88.7	0.0	0.0	0.0	3.1
11	16.5	25.0	19.0	86.3	.5	7.3	7.8	2.6
12	16.8	24.0	19.8	87.3	2.7	20.2	22.9	2.9
13	16.7	23.9	19.6	83.0	0.0	3.7	3.7	.8
14	16.6	26.9	20.2	79.3	2.3	0.0	2.3	2.3
15	16.0	26.7	20.6	80.0	2.4	0.0	2.4	6.5
16	15.7	26.2	20.4	79.0	1.2	0.0	1.2	5.5
17	15.6	27.7	20.8	71.3	0.0	0.0	0.0	10.4
18	16.3	25.6	20.3	81.7	0.0	.1	.1	4.8
19	16.8	25.8	20.6	77.0	0.0	0.0	0.0	3.4
20	16.0	26.0	21.3	75.0	0.0	0.0	0.0	3.9
21	17.3	24.0	19.9	87.7	2.1	0.0	2.1	.9
22	16.9	25.6	21.0	80.7	2.5	0.0	2.5	2.4
23	16.8	27.6	21.1	78.3	0.0	0.0	0.0	8.6
24	16.6	28.6	22.2	65.0	0.0	0.0	0.0	8.5
25	16.1	27.3	21.6	74.7	2.4	0.0	2.4	5.1
26	16.0	28.2	21.6	74.3	0.0	0.0	0.0	9.2
27	18.2	26.8	21.4	81.3	.3	.2	.5	5.6
28	17.8	28.0	21.7	78.7	0.0	0.0	0.0	3.6
29	17.2	25.0	19.7	87.7	3.0	1.9	4.9	3.3
30	16.8	26.8	20.8	75.7	0.0	6.3	6.3	5.2
31	16.9	28.4	21.6	71.3	0.0	0.0	0.0	4.4
Total :					84.0	72.6	156.6	124.6
Promedio :	16.5	25.7	20.3	81.2				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.9	28.6	21.9	72.0	.5	0.0	.5	5.5
2	18.4	27.9	21.4	77.0	0.0	0.0	0.0	5.1
3	16.9	29.4	22.2	66.0	0.0	.5	.5	8.3
4	17.9	22.8	19.0	91.7	22.8	1.3	24.1	.1
5	15.8	22.8	19.1	84.7	5.0	0.0	5.0	.9
6	16.0	23.3	18.2	82.3	19.3	0.0	19.3	.8
7	15.4	23.4	18.6	86.7	42.7	.4	43.1	1.9
8	16.4	23.6	19.2	85.3	6.1	1.2	7.3	2.3
9	17.2	22.2	17.8	92.7	6.9	0.0	6.9	.7
10	14.5	28.2	21.9	69.0	0.0	0.0	0.0	7.6
11	17.2	26.4	20.1	78.7	0.0	0.0	0.0	4.3
12	16.8	26.6	19.8	80.7	4.1	0.0	4.1	1.8
13	16.1	23.6	18.4	87.0	14.8	0.0	14.8	2.1
14	16.2	23.2	18.9	85.3	4.9	0.0	4.9	1.1
15	14.8	23.6	18.2	85.0	3.0	0.0	3.0	1.8
16	15.0	22.0	18.3	84.7	0.0	10.0	10.0	1.1
17	15.1	25.8	19.2	85.0	11.8	12.9	24.7	4.8
18	14.8	22.2	18.3	87.0	21.4	.5	21.9	1.1
19	14.2	22.0	19.0	87.3	.3	0.0	.3	.5
20	16.1	25.0	19.5	76.7	0.0	0.0	0.0	4.0
21	16.6	24.0	19.2	86.3	8.6	0.0	8.6	.6
22	15.4	25.9	20.0	76.3	0.0	0.0	0.0	5.7
23	14.8	23.0	18.4	83.7	1.6	0.0	1.6	.6
24	14.4	23.6	19.3	81.7	.1	0.0	.1	2.3
25	15.2	25.0	20.2	80.0	0.0	18.6	18.6	2.6
26	16.0	26.2	20.7	75.0	0.0	.8	.8	6.0
27	16.9	23.6	19.6	83.0	1.6	.5	2.1	.9
28	16.8	22.7	18.8	88.0	0.0	11.2	11.2	.8
29	15.2	23.0	18.0	81.7	5.5	0.0	5.5	1.9
30	13.2	25.8	19.9	78.3	0.0	0.0	0.0	7.8
31								
Total :					181.0	57.9	238.9	85.0
Promedio :	15.9	24.5	19.4	82.0				

Estación : SANTA BARBARA
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : SASAIMA

Latitud : 4 ° 57 'N
Longitud : 74 ° 25 'W
Altitud : 1450 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	23.1	18.7	83.3	.7	0.0	.7	1.1
2	13.5	22.8	18.7	80.7	0.0	0.0	0.0	2.5
3	15.4	25.0	18.7	79.0	4.4	0.0	4.4	2.1
4	15.0	25.2	18.8	75.7	0.0	0.0	0.0	4.1
5	14.9	25.0	19.1	76.7	0.0	7.0	7.0	2.6
6	13.8	25.2	19.2	71.0	0.0	0.0	0.0	7.3
7	15.0	21.5	17.6	82.7	9.7	1.4	11.1	.4
8	15.2	23.6	18.0	85.0	.5	0.0	.5	2.4
9	16.3	23.0	19.6	54.3	0.0	0.0	0.0	5.0
10	12.0	24.0	19.4	62.7	0.0	0.0	0.0	5.9
11	13.0	25.6	20.1	66.3	0.0	0.0	0.0	6.8
12	14.8	26.0	19.8	72.3	0.0	0.0	0.0	6.6
13	15.2	24.0	19.4	77.3	.1	0.0	.1	2.2
14	16.0	27.8	21.4	61.0	0.0	0.0	0.0	9.6
15	15.8	27.8	20.6	58.7	3.6	0.0	3.6	9.5
16	17.2	26.2	21.2	57.0	0.0	0.0	0.0	5.0
17	14.4	27.2	21.6	59.0	0.0	0.0	0.0	6.2
18	16.6	28.4	20.4	73.3	0.0	0.0	0.0	7.4
19	15.2	28.0	21.8	65.7	0.0	0.0	0.0	9.0
20	17.0	25.4	21.0	73.7	0.0	0.0	0.0	2.5
21	15.8	26.0	20.9	66.3	0.0	0.0	0.0	5.7
22	16.2	28.6	21.4	57.0	0.0	0.0	0.0	3.6
23	15.9	22.2	18.7	85.0	.2	0.0	.2	.4
24	14.0	24.4	20.0	72.7	.7	0.0	.7	4.4
25	16.4	28.6	22.2	63.0	0.0	0.0	0.0	8.3
26	17.6	26.0	20.6	69.3	.3	0.0	.3	3.2
27	15.8	23.8	19.3	80.7	1.5	0.0	1.5	2.1
28	15.0	26.7	21.5	61.0	0.0	0.0	0.0	6.6
29	15.4	23.6	19.2	83.0	.2	0.0	.2	.6
30	14.8	27.9	22.1	57.3	0.0	6.8	6.8	6.7
31	16.0	25.6	19.7	73.0	1.5	0.0	1.5	3.2
Total					23.4	15.2	38.6	143.0
Promedio :	15.3	25.4	20.0	70.4				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.6	25.5	20.4	57.3	0.0	0.0	0.0	2.4
2	15.8	25.5	21.1	57.3	0.0	0.0	0.0	5.6
3	15.0	25.6	19.9	69.0	0.0	0.0	0.0	3.6
4	13.8	23.4	18.6	74.7	0.0	0.0	0.0	4.1
5	14.8	25.8	20.6	69.7	0.0	0.0	0.0	4.4
6	15.8	26.4	20.9	76.7	.5	0.0	.5	5.3
7	15.6	23.6	19.5	83.3	6.8	.1	6.9	1.9
8	15.6	23.4	19.0	83.3	0.0	0.0	0.0	2.9
9	14.8	22.5	18.2	81.0	5.2	0.0	5.2	1.3
10	15.2	25.6	19.2	66.3	0.0	0.0	0.0	1.4
11	15.6	25.2	20.0	78.0	1.1	0.0	1.1	4.8
12	14.4	25.3	19.4	73.3	.2	0.0	.2	1.8
13	15.6	23.2	18.6	84.3	3.7	0.0	3.7	2.0
14	14.4	27.4	19.4	77.0	6.1	0.0	6.1	3.4
15	16.4	26.0	20.6	56.0	0.0	.9	.9	6.4
16	15.6	26.4	19.8	63.7	0.0	0.0	0.0	5.2
17	15.4	27.0	22.1	57.3	0.0	0.0	0.0	7.0
18	17.2	27.8	22.6	56.3	0.0	0.0	0.0	6.8
19	15.6	27.0	20.9	57.3	2.5	0.0	2.5	6.9
20	14.2	26.4	20.0	66.7	0.0	0.0	0.0	4.9
21	17.0	24.6	20.0	74.0	0.0	0.0	0.0	1.5
22	16.4	22.2	18.7	90.7	9.3	0.0	9.3	.9
23	14.0	27.4	21.2	64.0	0.0	0.0	0.0	7.7
24	16.8	27.0	21.6	65.3	0.0	25.9	25.9	3.3
25	15.6	25.0	19.4	83.3	.5	.7	1.2	1.8
26	16.6	24.6	18.8	89.3	17.7	1.7	19.4	2.6
27	17.0	25.4	20.2	77.3	2.3	.3	2.6	2.4
28	16.2	24.6	18.8	79.7	12.4	.7	13.1	2.3
29	15.5	27.4	21.7	69.7	0.0	0.0	0.0	7.2
30	17.4	27.2	22.2	54.0	0.0	0.0	0.0	6.9
31	15.4	27.4	22.4	50.3	0.0	0.0	0.0	6.0
Total					68.3	30.3	98.6	124.7
Promedio :	15.7	25.5	20.2	70.5				

Estación : SANTA BARBARA
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : SASAIMA

Latitud : 4 ° 57 'N
Longitud : 74 ° 25 'W
Altitud : 1450 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	24.2	19.4	85.3	5.5	0.0	5.5	1.4
2	16.0	24.6	19.6	75.0	0.0	.2	.2	2.1
3	17.4	25.0	19.6	77.7	0.0	0.0	0.0	2.8
4	16.2	24.6	20.2	73.3	.2	0.0	.2	3.2
5	16.4	23.8	18.8	78.0	0.0	0.0	0.0	.6
6	14.9	25.2	19.8	71.3	0.0	0.0	0.0	2.8
7	15.6	28.0	20.8	72.3	2.9	0.0	2.9	7.0
8	16.0	22.6	19.7	87.3	4.8	7.4	12.2	1.1
9	15.1	22.8	18.0	88.0	7.2	38.1	45.3	1.2
10	15.2	24.4	19.1	77.7	0.0	8.1	8.1	3.3
11	14.4	23.5	18.5	89.7	13.6	2.1	15.7	3.0
12	16.2	22.0	18.0	91.0	8.1	0.0	8.1	1.4
13	16.6	25.6	19.2	82.7	18.4	31.3	49.7	2.0
14	15.0	21.0	17.6	87.7	.2	0.0	.2	.3
15	14.8	25.0	19.1	88.3	.5	0.0	.5	1.8
16	15.8	26.4	19.4	81.3	13.0	2.0	15.0	4.0
17	15.7	23.0	18.6	82.7	0.0	0.0	0.0	1.7
18	14.8	25.6	19.2	72.0	3.0	0.0	3.0	3.5
19	15.0	23.0	18.8	83.0	1.1	0.0	1.1	.6
20	14.6	26.8	19.0	83.3	5.7	0.0	5.7	6.6
21	14.5	24.6	19.2	80.3	5.4	0.0	5.4	1.4
22	15.2	23.8	17.6	85.7	18.6	5.1	23.7	1.3
23	14.2	23.4	16.4	93.3	10.4	0.0	10.4	.5
24	14.6	24.8	19.5	79.3	0.0	55.4	55.4	3.3
25	14.9	24.4	18.8	81.7	0.0	2.9	2.9	5.3
26	15.0	25.2	19.0	80.0	1.4	8.1	9.5	4.2
27	15.0	21.8	17.9	87.0	5.6	0.0	5.6	0.0
28	15.0	19.8	16.6	92.0	18.3	.3	18.6	0.0
29	14.0	22.2	18.4	83.7	.1	0.0	.1	3.2
30	15.8	22.8	18.4	81.0	.3	0.0	.3	2.6
31								
Total :					144.3	161.0	305.3	72.2
Promedio :	15.4	24.0	18.8	82.4				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.8	22.2	18.3	87.7	7.0	.2	7.2	2.8
2	15.2	22.0	17.9	87.7	.1	10.5	10.6	1.2
3	16.2	24.0	19.2	80.7	0.0	0.0	0.0	1.6
4	16.0	26.6	20.8	67.7	0.0	1.5	1.5	5.7
5	16.2	26.8	20.4	74.7	.3	17.4	17.7	5.8
6	15.2	25.6	18.9	82.0	.4	.7	1.1	2.4
7	15.4	24.0	19.1	76.7	2.2	0.0	2.2	4.6
8	15.9	24.9	18.8	81.3	19.0	0.0	19.0	3.3
9	15.6	25.0	19.8	75.0	1.2	0.0	1.2	3.9
10	16.8	24.0	19.0	89.3	4.3	0.0	4.3	3.0
11	16.2	23.6	19.0	88.7	5.9	0.0	5.9	2.3
12	15.8	22.8	18.2	89.0	1.1	0.0	1.1	2.1
13	13.8	25.2	20.0	67.0	0.0	0.0	0.0	6.8
14	14.8	24.8	19.3	72.3	0.0	0.0	0.0	4.1
15	16.8	24.8	19.5	70.7	0.0	0.0	0.0	1.0
16	17.0	22.6	19.0	87.7	1.4	8.0	9.4	.6
17	15.2	22.4	18.0	85.0	.3	5.9	6.2	.7
18	14.4	24.0	17.6	80.7	35.8	18.5	54.3	2.6
19	14.0	21.8	18.6	83.0	0.0	0.0	0.0	1.0
20	16.2	24.8	20.0	78.7	0.0	.9	.9	5.0
21	16.6	25.4	20.4	80.3	0.0	22.0	22.0	3.3
22	16.4	23.2	18.8	88.3	31.7	0.0	31.7	1.7
23	16.5	24.2	20.4	76.3	2.2	16.8	19.0	.8
24	16.6	25.6	19.1	86.7	1.6	.4	2.0	2.5
25	16.8	24.8	19.6	81.0	.9	0.0	.9	2.5
26	16.4	24.6	19.7	83.7	23.0	16.2	39.2	3.5
27	16.0	26.8	20.4	80.7	0.0	39.8	39.8	5.1
28	15.8	24.2	19.4	80.0	3.3	9.1	12.4	3.0
29	14.2	23.2	19.2	82.3	12.5	11.3	23.8	2.5
30	16.0	22.4	18.0	90.7	6.6	0.0	6.6	.5
31	14.8	22.0	18.3	85.3	0.0	20.4	20.4	2.2
Total :					160.8	199.6	360.4	88.1
Promedio :	15.7	24.1	19.2	81.3				

Estación : SANTA BARBARA
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : SASAIMA

Latitud : 4 ° 57 'N
Longitud : 74 ° 25 'W
Altitud : 1450 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.2	25.0	19.4	83.3	.6	2.8	3.4	3.5
2	14.8	25.4	19.8	78.3	.1	.1	.2	4.5
3	16.4	26.2	19.9	76.3	23.7	9.3	33.0	2.1
4	16.8	24.2	19.8	80.7	3.5	.2	3.7	3.8
5	16.6	25.4	21.3	73.0	.2	1.0	1.2	5.2
6	15.0	25.0	20.1	83.3	0.0	2.6	2.6	2.0
7	15.1	24.3	19.9	81.0	0.0	5.2	5.2	4.0
8	16.7	21.8	18.7	91.3	7.4	9.4	16.8	1.0
9	14.5	23.2	19.3	83.7	0.0	0.0	0.0	1.8
10	16.2	25.4	19.7	81.3	10.0	6.6	16.6	3.5
11	16.8	23.4	19.8	87.3	.5	0.0	.5	.1
12	16.2	23.8	20.0	84.7	1.1	1.9	3.0	2.4
13	16.4	23.4	18.8	89.7	7.4	0.0	7.4	.8
14	15.8	26.8	20.8	79.0	0.0	33.4	33.4	7.3
15	16.8	25.2	19.7	81.7	0.0	0.0	0.0	4.0
16	15.2	26.0	20.8	79.7	0.0	17.1	17.1	7.6
17	15.4	24.5	18.8	86.0	13.3	6.4	19.7	4.6
18	16.0	20.0	17.2	91.7	13.5	1.8	15.3	0.0
19	15.0	21.8	18.3	86.3	.1	.7	.8	.1
20	16.0	24.0	19.1	82.7	0.0	3.6	3.6	2.9
21	15.4	23.7	18.8	80.7	0.0	0.0	0.0	1.8
22	15.8	24.0	19.2	80.0	0.0	0.0	0.0	2.0
23	16.7	26.4	20.2	78.3	0.0	12.7	12.7	3.7
24	15.8	25.6	19.8	76.7	0.0	.5	.5	5.6
25	16.0	23.4	18.9	82.3	.3	3.6	3.9	2.1
26	15.8	24.6	19.2	82.7	.6	.4	1.0	2.9
27	16.0	21.8	18.0	85.3	4.6	0.0	4.6	.5
28	15.0	21.0	19.0	85.7	0.0	0.0	0.0	1.6
29	14.8	23.8	18.6	81.0	30.9	7.6	38.5	2.9
30	14.6	24.8	19.4	82.7	8.4	16.4	24.8	3.8
31								
Total					126.2	143.3	269.5	88.1
Promedio :	15.8	24.1	19.4	82.5				

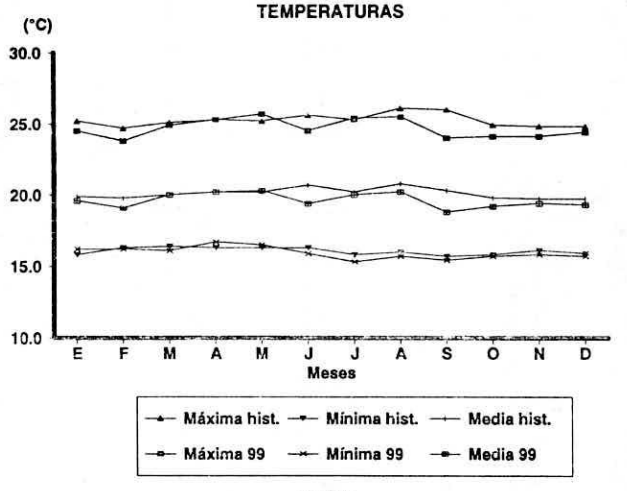
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.8	23.0	19.0	84.7	1.5	0.0	1.5	1.3
2	16.2	23.6	18.1	87.3	15.8	70.2	86.0	1.2
3	15.2	21.5	18.8	87.0	.3	6.1	6.4	1.1
4	16.5	24.3	18.8	83.7	45.8	19.6	65.4	2.4
5	14.2	22.6	19.2	84.0	0.0	0.0	0.0	1.9
6	17.0	25.4	19.3	83.0	31.3	.3	31.6	1.4
7	16.5	23.0	19.5	80.3	0.0	0.0	0.0	2.4
8	16.4	24.3	20.2	82.0	0.0	65.4	65.4	2.5
9	15.4	23.2	19.8	89.3	0.0	0.0	0.0	1.4
10	15.1	24.8	18.8	91.7	7.4	.4	7.8	1.5
11	16.2	21.0	18.1	88.7	19.5	0.0	19.5	.5
12	16.0	24.0	19.5	84.7	26.2	4.3	30.5	1.9
13	16.3	25.8	19.6	80.3	10.3	2.5	12.8	4.9
14	15.4	24.8	19.3	80.7	23.4	0.0	23.4	4.1
15	15.0	25.0	19.8	79.7	2.5	56.3	58.8	5.0
16	16.0	25.0	19.6	84.3	.2	40.5	40.7	2.4
17	15.0	23.0	19.2	81.7	.1	11.1	11.2	.9
18	14.8	24.2	19.4	83.3	.1	2.2	2.3	3.4
19	15.2	23.9	19.7	83.7	.8	0.0	.8	2.8
20	16.0	25.0	19.8	82.3	4.8	.2	5.0	.5
21	16.2	25.5	20.5	84.0	1.4	0.0	1.4	4.4
22	16.8	26.2	20.5	80.7	0.0	0.0	0.0	8.7
23	16.0	26.0	19.8	78.3	0.0	0.0	0.0	7.1
24	14.3	25.1	18.9	76.7	0.0	1.0	1.0	5.4
25	15.2	24.8	17.8	82.0	8.5	1.0	9.5	3.8
26	15.4	25.2	19.4	81.0	0.0	0.0	0.0	6.3
27	16.0	24.0	18.6	82.7	0.0	0.0	0.0	2.6
28	15.0	25.0	19.2	77.3	0.0	3.2	3.2	5.3
29	16.0	25.0	19.2	80.0	0.0	0.0	0.0	1.6
30	15.4	25.0	17.9	82.0	0.0	0.0	0.0	2.6
31	15.0	26.0	19.9	78.0	0.0	1.8	1.8	5.3
Total					199.9	286 1	486.0	96.6
Promedio	15.7	24.4	19.3	82.7				

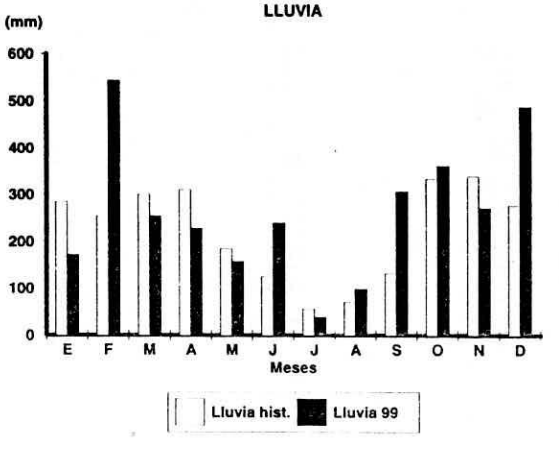
Estación : SANTA BARBARA
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : SASAIMA

Latitud : 4 ° 57 'N
Longitud : 74 ° 25 'W
Altitud : 1450 m

MES	TEMPERATURA °C						PRECIPITACION		
	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	16.2	24.5	19.6	26.9	13.8	83.4	171.7	26	79.2
Febrero	16.2	23.8	19.1	26.9	15.1	85.5	543.3	27	48.2
Marzo	16.1	24.9	20.0	27.8	14.6	81.5	253.1	21	91.3
Abril	16.7	25.3	20.2	30.4	15.0	81.2	226.9	23	79.8
Mayo	16.5	25.7	20.3	28.6	14.7	81.2	156.6	21	124.6
Junio	15.9	24.5	19.4	29.4	13.2	82.0	238.9	24	85.0
Julio	15.3	25.4	20.0	28.6	12.0	70.4	38.6	14	143.0
Agosto	15.7	25.5	20.2	27.8	13.8	70.5	98.6	15	124.7
Septiembre	15.4	24.0	18.8	28.0	14.0	82.4	305.3	26	72.2
Octubre	15.7	24.1	19.2	26.8	13.8	81.3	360.4	26	88.1
Noviembre	15.8	24.1	19.4	26.8	14.5	82.5	269.5	25	88.1
Diciembre	15.7	24.4	19.3	26.2	14.2	82.7	486.0	22	96.6
Promedio :	15.9	24.7	19.6			80.4			
Absoluta :				30.4	12.0				
Total :							3148.9	270	1120.8





Estación : MESITAS DE SANTA INES
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : CACHIPAY

Latitud : 4 ° 43 'N
Longitud : 74 ° 28 'W
Altitud : 1250 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.5	24.6	21.4	81.7	0.0	0.0	0.0	3.3
2	17.5	24.0	19.3	89.0	21.5	0.0	21.5	3.1
3	17.6	24.1	20.3	90.3	5.6	0.0	5.6	3.2
4	17.9	26.6	21.2	76.3	.1	0.0	.1	3.2
5	17.6	24.5	21.0	87.7	17.1	0.0	17.1	1.2
6	17.4	26.0	20.8	81.0	0.0	0.0	0.0	5.6
7	17.8	25.5	20.7	89.0	0.0	8.8	8.8	2.1
8	18.0	23.6	20.2	89.0	.1	0.0	.1	1.1
9	18.2	23.5	20.3	87.0	.2	0.0	.2	1.3
10	17.0	24.5	20.4	81.0	11.1	0.0	11.1	1.6
11	17.5	21.5	19.1	96.0	4.8	0.0	4.8	.8
12	17.2	22.8	18.6	95.3	10.0	0.0	10.0	.7
13	16.6	25.0	19.7	91.0	3.9	0.0	3.9	5.6
14	16.9	24.0	20.0	78.7	0.0	0.0	0.0	2.6
15	18.0	26.0	20.6	75.3	0.0	0.0	0.0	4.4
16	15.6	24.5	19.4	79.7	28.3	0.0	28.3	4.4
17	17.0	23.0	20.6	84.0	2.8	14.7	17.5	2.4
18	17.2	23.5	20.2	83.3	0.0	0.0	0.0	2.4
19	16.5	23.6	20.2	78.0	0.0	0.0	0.0	3.8
20	16.6	23.3	19.3	86.0	0.0	0.0	0.0	1.5
21	17.8	25.0	20.3	83.7	2.0	0.0	2.0	4.3
22	17.2	24.4	20.8	73.7	.3	0.0	.3	1.4
23	17.4	23.5	19.9	81.3	0.0	0.0	0.0	1.6
24	17.0	22.5	19.4	84.3	0.0	0.0	0.0	.1
25	16.2	25.0	20.2	78.3	.5	3.3	3.8	2.0
26	18.0	22.7	19.5	94.3	.8	0.0	.8	1.7
27	17.8	24.1	20.6	83.0	.3	1.0	1.3	2.7
28	18.0	22.0	19.7	90.7	.2	0.0	.2	0.0
29	17.0	25.5	19.7	86.7	0.0	0.0	0.0	3.4
30	16.5	25.0	21.6	74.0	0.0	0.0	0.0	5.6
31	18.0	24.0	20.8	80.7	0.0	0.0	0.0	1.9
Total :					109.6	27.8	137.4	79.0
Promedio :	17.3	24.1	20.2	84.2				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.6	25.5	21.4	76.7	.2	.1	.3	2.9
2	18.3	22.7	20.5	88.0	0.0	3.6	3.6	.2
3	17.6	23.0	20.0	82.0	.2	0.0	.2	0.0
4	16.8	23.5	20.4	80.7	0.0	0.0	0.0	2.7
5	17.2	25.1	20.2	81.0	.1	0.0	.1	3.1
6	18.5	24.5	21.0	84.7	0.0	0.0	0.0	1.1
7	18.5	22.7	20.0	88.7	5.4	0.0	5.4	.7
8	16.8	25.6	21.1	77.7	0.0	0.0	0.0	5.5
9	19.2	27.3	21.5	77.7	0.0	.4	.4	5.2
10	18.0	22.5	18.6	91.0	53.4	0.0	53.4	0.0
11	17.4	24.6	20.0	79.7	0.0	0.0	0.0	3.5
12	18.5	25.5	20.8	72.3	0.0	0.0	0.0	4.8
13	17.7	23.5	19.6	84.7	0.0	0.0	0.0	.6
14	16.0	24.5	20.6	76.3	0.0	1.2	1.2	3.7
15	17.2	21.5	18.3	97.7	30.8	0.0	30.8	.2
16	17.0	23.2	20.0	86.0	0.0	81.0	81.0	1.2
17	16.6	21.6	18.6	95.7	1.0	7.6	8.6	.7
18	16.8	21.2	18.4	93.7	11.3	2.2	13.5	0.0
19	16.6	24.0	19.7	84.3	1.2	2.2	3.4	2.0
20	17.0	21.7	19.0	89.7	1.5	.1	1.6	.2
21	17.5	23.5	20.3	86.3	.1	1.2	1.3	1.2
22	16.6	23.4	18.9	90.7	5.5	0.0	5.5	1.0
23	17.6	22.1	19.5	94.0	.7	48.4	49.1	.5
24	17.0	21.7	19.2	93.0	1.4	.2	1.6	.7
25	17.5	23.0	19.9	90.7	6.7	8.7	15.4	.7
26	17.3	24.6	20.3	83.7	0.0	0.0	0.0	2.3
27	17.0	24.5	19.0	91.0	20.0	0.0	20.0	3.9
28	17.1	23.2	19.0	94.0	11.8	0.0	11.8	1.8
29								
30								
31								
Total :					151.3	156.9	308.2	50.4
Promedio :	17.4	23.6	19.9	86.1				

Estación : MESITAS DE SANTA INES
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : CACHIPAY

Latitud : 4 ° 43 'N
Longitud : 74 ° 28 'W
Altitud : 1250 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	24.6	20.4	78.7	.2	0.0	.2	2.1
2	17.8	23.5	19.6	90.0	.5	0.0	.5	.8
3	17.6	24.5	20.3	84.7	0.0	.2	.2	2.7
4	17.0	22.6	19.7	87.0	0.0	0.0	0.0	1.2
5	16.7	23.6	20.2	83.0	0.0	0.0	0.0	4.2
6	17.0	25.0	21.2	78.7	0.0	0.0	0.0	5.5
7	17.4	25.5	20.6	80.0	15.3	0.0	15.3	4.7
8	16.5	25.5	19.6	81.3	11.8	.4	12.2	5.2
9	17.5	23.2	19.6	87.3	7.8	0.0	7.8	2.7
10	17.8	25.5	19.8	84.3	1.4	0.0	1.4	2.0
11	17.0	26.1	21.1	78.3	0.0	3.8	3.8	4.8
12	17.5	24.0	19.8	70.0	3.3	0.0	3.3	1.9
13	17.7	23.9	19.5	83.3	.2	1.0	1.2	4.0
14	17.2	26.0	21.2	70.0	0.0	0.0	0.0	4.2
15	18.5	25.5	20.6	76.0	0.0	0.0	0.0	1.7
16	17.0	24.1	20.3	85.7	.9	89.0	89.9	4.9
17	16.8	25.5	19.4	84.7	5.9	35.8	41.7	4.1
18	16.6	25.2	19.9	91.0	0.0	0.0	0.0	3.1
19	18.0	24.6	20.0	92.7	7.6	0.0	7.6	3.8
20	17.6	25.0	20.5	85.0	0.0	0.0	0.0	2.1
21	16.8	26.5	20.6	85.7	2.3	12.0	14.3	4.5
22	16.6	22.1	19.2	94.3	0.0	.1	.1	.1
23	16.8	23.8	20.3	79.7	0.0	0.0	0.0	.9
24	18.2	24.0	20.6	85.7	4.0	0.0	4.0	1.5
25	17.2	24.1	21.2	81.3	0.0	0.0	0.0	.4
26	18.0	24.5	22.0	69.7	0.0	0.0	0.0	3.0
27	19.2	24.1	21.2	72.0	0.0	0.0	0.0	.2
28	18.0	24.5	20.0	81.7	2.1	0.0	2.1	1.2
29	17.2	22.5	19.2	93.7	23.5	0.0	23.5	2.7
30	17.0	25.5	21.6	76.0	0.0	0.0	0.0	3.7
31	17.4	24.5	20.9	82.7	.2	0.0	.2	2.4
Total					87.0	142.3	229.3	86.3
Promedio	17.4	24.5	20.3	82.4				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.0	25.8	21.4	74.0	0.0	0.0	0.0	2.6
2	18.2	24.0	21.0	84.0	.6	0.0	.6	2.9
3	18.7	26.2	21.2	72.3	0.0	9.9	9.9	1.9
4	18.0	25.1	20.0	79.7	7.4	2.9	10.3	3.2
5	15.6	25.4	19.8	80.0	0.0	0.0	0.0	6.1
6	18.4	25.1	20.5	82.3	0.0	0.0	0.0	2.8
7	17.3	25.0	20.7	87.0	10.9	6.5	17.4	2.6
8	16.6	25.4	20.4	82.0	0.0	44.1	44.1	3.8
9	17.0	22.0	19.4	88.0	5.4	1.0	6.4	.1
10	17.6	21.5	19.1	90.3	1.2	.1	1.3	0.0
11	17.0	24.2	19.9	84.7	0.0	0.0	0.0	2.6
12	17.6	25.5	20.7	79.0	.8	.2	1.0	2.1
13	17.6	26.0	20.0	86.0	0.0	0.0	0.0	6.3
14	17.0	24.8	20.4	78.3	3.0	0.0	3.0	2.8
15	18.3	24.0	20.6	85.3	0.0	0.0	0.0	2.0
16	17.2	24.5	20.7	69.0	0.0	0.0	0.0	4.9
17	17.5	26.1	21.0	58.7	0.0	0.0	0.0	8.8
18	18.4	26.0	21.6	54.7	0.0	0.0	0.0	4.1
19	18.0	25.4	21.8	63.3	0.0	0.0	0.0	4.9
20	18.0	23.5	20.2	78.0	0.0	0.0	0.0	.3
21	18.4	26.1	21.9	63.3	0.0	0.0	0.0	7.3
22	19.2	26.5	21.7	71.7	0.0	.2	.2	5.1
23	18.0	24.5	20.3	78.0	1.7	.1	1.8	1.7
24	18.1	24.0	20.6	81.0	1.1	1.6	2.7	2.3
25	17.5	23.2	19.8	82.3	.1	1.6	1.7	2.4
26	17.0	25.0	19.8	87.0	4.5	2.4	6.9	2.4
27	16.8	21.0	18.5	91.7	5.0	0.0	5.0	.7
28	16.1	23.5	19.2	86.0	0.0	0.0	0.0	1.6
29	17.6	24.7	21.3	65.0	.5	0.0	.5	4.0
30	17.5	23.1	19.2	83.0	0.0	0.0	0.0	1.6
31								
Total					42.2	70.6	112.8	93.9
Promedio	17.6	24.6	20.4	78.2				

Estación : MESITAS DE SANTA INES
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : CACHIPAY

Latitud : 4 ° 43 'N
Longitud : 74 ° 28 'W
Altitud : 1250 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.4	25.5	19.4	79.7	2.8	0.0	2.8	3.7
2	17.5	23.4	19.6	85.7	2.0	0.0	2.0	1.9
3	16.5	23.0	19.7	86.7	0.0	0.0	0.0	3.5
4	17.2	20.5	18.4	86.3	11.7	0.0	11.7	0.0
5	16.0	25.0	20.8	72.7	0.0	.6	.6	5.6
6	17.1	22.0	19.8	88.7	.5	0.0	.5	3.2
7	17.2	21.5	19.5	92.0	22.0	0.0	22.0	1.2
8	16.7	23.4	19.4	91.0	0.0	0.0	0.0	.9
9	17.9	22.5	18.8	83.7	7.7	.6	8.3	.3
10	17.1	24.1	19.9	81.7	0.0	0.0	0.0	2.4
11	17.1	20.2	17.6	97.3	20.4	0.0	20.4	.1
12	16.8	22.4	19.0	86.3	0.0	0.0	0.0	1.8
13	17.0	19.2	17.6	97.0	16.7	.2	16.9	.1
14	16.2	25.1	20.3	72.7	0.0	0.0	0.0	5.0
15	16.6	24.0	20.4	71.3	0.0	0.0	0.0	3.8
16	17.0	25.6	20.8	62.0	0.0	0.0	0.0	6.8
17	16.5	25.0	20.7	68.0	0.0	0.0	0.0	5.1
18	17.5	24.5	20.8	74.3	0.0	2.4	2.4	3.5
19	16.8	24.5	19.8	77.7	0.0	2.5	2.5	2.6
20	17.8	23.5	19.4	87.0	10.4	0.0	10.4	3.2
21	17.5	26.0	20.4	71.7	0.0	0.0	0.0	3.3
22	18.4	25.5	21.0	68.7	0.0	0.0	0.0	2.4
23	18.1	25.0	21.7	73.0	0.0	0.0	0.0	4.8
24	17.6	26.1	21.6	72.3	0.0	0.0	0.0	8.8
25	18.2	24.5	21.0	78.0	0.0	0.0	0.0	4.3
26	17.2	27.1	21.8	75.3	0.0	0.0	0.0	7.2
27	18.6	25.5	20.0	76.0	0.0	0.0	0.0	2.9
28	18.5	24.5	20.8	74.7	0.0	45.3	45.3	1.2
29	17.0	24.0	20.2	76.3	.4	.2	.6	2.0
30	17.6	25.5	20.7	74.7	0.0	0.0	0.0	6.6
31	18.5	26.5	21.6	59.0	0.0	5.0	5.0	6.5
Total					94.6	56.8	151.4	104.7
Promedio	17.3	24.0	20.1	78.8				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.6	27.0	22.5	63.3	0.0	0.0	0.0	5.7
2	17.8	24.0	19.7	75.7	0.0	0.0	0.0	1.2
3	17.6	26.5	22.1	62.3	0.0	0.0	0.0	6.9
4	18.2	23.0	19.3	79.7	3.8	1.3	5.1	.5
5	17.4	24.5	19.8	83.7	.8	0.0	.8	2.9
6	17.6	26.0	19.8	66.3	.5	0.0	.5	3.2
7	18.0	26.5	21.8	71.0	0.0	16.6	16.6	3.3
8	16.5	24.5	20.5	84.0	0.0	16.5	16.5	3.2
9	17.2	24.0	19.5	78.0	4.0	0.0	4.0	2.5
10	16.9	26.6	21.2	74.0	0.0	.7	.7	6.2
11	17.0	25.6	20.6	70.0	0.0	0.0	0.0	4.7
12	19.0	24.6	20.8	81.7	0.0	0.0	0.0	1.4
13	18.4	22.6	19.2	89.7	33.0	0.0	33.0	.5
14	18.0	26.5	21.6	68.7	0.0	0.0	0.0	4.1
15	17.6	22.5	20.2	81.0	0.0	0.0	0.0	.5
16	17.6	24.5	20.0	85.7	3.5	0.0	3.5	.7
17	17.5	24.8	20.8	80.3	0.0	0.0	0.0	2.9
18	17.2	23.0	18.8	88.3	0.0	0.0	0.0	1.4
19	16.6	24.2	20.5	80.7	0.0	.2	.2	2.6
20	17.8	25.6	20.6	77.3	0.0	.3	.3	2.7
21	17.4	21.5	18.1	86.7	11.1	0.0	11.1	.5
22	17.0	24.5	20.6	70.0	0.0	0.0	0.0	4.2
23	16.7	22.0	18.3	79.3	.2	0.0	.2	.7
24	15.5	24.5	19.6	70.0	.4	.1	.5	2.3
25	17.0	26.0	20.5	73.0	0.0	0.0	0.0	6.1
26	17.4	23.5	20.4	78.0	5.8	2.1	7.9	2.2
27	16.8	25.5	20.5	75.7	.2	10.8	11.0	3.5
28	17.0	24.0	19.1	80.7	.4	0.0	.4	3.0
29	16.6	23.0	19.0	83.7	0.0	0.0	0.0	1.8
30	15.6	25.5	20.8	68.0	0.0	0.0	0.0	6.3
31								
Total					63.7	48.6	112.3	87.7
Promedio	17.3	24.6	20.2	76.9				

Estación : MESITAS DE SANTA INES
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : CACHIPAY

Latitud : 4 ° 43 'N
Longitud : 74 ° 28 'W
Altitud : 1250 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.6	22.0	18.7	79.0	0.0	0.0	0.0	.9
2	16.2	24.0	19.9	73.3	0.0	0.0	0.0	3.8
3	16.8	25.1	20.8	66.3	0.0	0.0	0.0	3.4
4	16.5	24.6	19.6	71.3	0.0	0.0	0.0	6.3
5	15.5	26.0	20.4	65.3	0.0	0.0	0.0	4.1
6	16.8	26.0	20.3	67.7	0.0	0.0	0.0	7.0
7	17.4	23.0	18.8	79.3	.6	2.0	2.6	1.3
8	16.9	24.0	19.5	68.3	0.0	0.0	0.0	1.4
9	16.8	23.0	19.9	63.3	0.0	0.0	0.0	2.7
10	14.6	24.4	19.8	60.3	0.0	0.0	0.0	6.5
11	17.5	24.1	20.4	66.3	0.0	0.0	0.0	5.4
12	17.6	26.5	21.5	56.3	0.0	.5	.5	7.2
13	16.7	26.0	20.8	64.3	0.0	0.0	0.0	4.6
14	18.0	26.5	21.8	62.0	0.0	0.0	0.0	5.4
15	16.8	27.0	22.5	50.0	0.0	0.0	0.0	9.8
16	17.6	26.6	21.4	54.0	0.0	0.0	0.0	6.2
17	17.5	27.5	21.6	64.0	0.0	0.0	0.0	6.1
18	18.5	26.4	21.4	61.7	0.0	0.0	0.0	7.6
19	18.0	27.2	21.0	64.0	0.0	2.2	2.2	5.9
20	18.0	25.0	21.2	76.0	0.0	0.0	0.0	2.0
21	17.8	27.9	22.0	65.7	0.0	0.0	0.0	6.5
22	18.6	24.0	20.4	67.3	0.0	0.0	0.0	1.0
23	17.2	23.5	20.2	70.3	.2	0.0	.2	.2
24	17.5	26.5	21.6	63.0	0.0	0.0	0.0	4.3
25	17.0	27.0	21.2	67.7	0.0	0.0	0.0	9.4
26	17.9	27.3	21.8	63.7	0.0	.5	.5	7.7
27	17.8	25.0	20.4	75.7	0.0	0.0	0.0	2.0
28	18.5	26.5	21.8	60.0	0.0	1.8	1.8	6.6
29	17.6	24.6	19.4	81.0	0.0	0.0	0.0	2.0
30	16.8	28.0	22.1	60.7	0.0	4.9	4.9	7.1
31	17.0	24.9	20.2	76.0	1.5	0.0	1.5	1.9
Total					2.3	11.9	14.2	146.3
Promedio :	17.2	25.5	20.7	66.6				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	22.8	18.9	77.3	1.9	0.0	1.9	.7
2	15.8	24.1	21.6	54.0	0.0	0.0	0.0	4.2
3	16.6	25.0	20.9	58.0	0.0	0.0	0.0	5.0
4	15.4	25.6	20.0	52.3	0.0	0.0	0.0	3.6
5	16.6	26.0	21.0	56.0	0.0	0.0	0.0	7.0
6	16.4	27.8	21.9	67.7	0.0	0.0	0.0	5.3
7	17.8	24.5	19.2	91.7	7.2	.4	7.6	.4
8	17.0	25.8	21.2	68.7	0.0	0.0	0.0	2.2
9	17.4	21.6	19.0	79.0	.2	0.0	.2	1.5
10	17.2	27.0	21.0	58.7	0.0	2.4	2.4	5.8
11	17.4	27.6	23.2	56.7	0.0	0.0	0.0	7.6
12	17.4	26.0	20.7	59.3	0.0	0.0	0.0	2.8
13	17.0	26.6	21.9	57.0	0.0	0.0	0.0	3.8
14	16.6	25.0	20.0	71.3	0.0	0.0	0.0	2.6
15	18.0	23.3	20.5	62.3	1.1	0.0	1.1	3.0
16	16.2	26.8	20.2	67.0	.5	1.2	1.7	4.9
17	17.9	26.9	22.1	53.7	0.0	23.4	23.4	6.6
18	16.4	27.5	22.9	45.3	0.0	2.2	2.2	8.3
19	16.4	28.5	22.6	50.0	0.0	0.0	0.0	8.9
20	17.9	26.5	21.3	58.3	0.0	1.0	1.0	6.3
21	17.6	26.7	22.0	59.7	0.0	0.0	0.0	2.7
22	17.0	23.9	20.3	71.0	5.5	0.0	5.5	1.2
23	16.8	28.0	23.0	54.7	0.0	0.0	0.0	8.5
24	17.0	27.0	21.4	59.7	14.6	1.2	15.8	5.0
25	17.8	26.0	21.2	72.3	44.1	1.5	45.6	2.8
26	17.2	26.2	20.6	67.3	0.0	.4	.4	4.2
27	18.2	26.0	21.2	69.0	3.2	0.0	3.2	1.9
28	18.6	27.6	20.4	66.0	.5	.5	1.0	3.2
29	18.0	27.5	21.8	66.7	0.0	.3	.3	5.8
30	18.5	27.0	23.8	51.3	0.0	0.0	0.0	7.0
31	17.2	27.9	22.0	56.0	0.0	0.0	0.0	6.5
Total					78.8	34.5	113.3	139.3
Promedio :	17.2	26.1	21.2	62.5				

Estación : MESITAS DE SANTA INES
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : CACHIPAY

Latitud : 4 ° 43 'N
Longitud : 74 ° 28 'W
Altitud : 1250 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.5	24.5	20.6	70.7	1.1	0.0	1.1	.7
2	18.6	26.2	21.1	71.7	0.0	16.2	16.2	2.4
3	17.4	24.6	20.5	78.7	.5	0.0	.5	2.5
4	17.2	23.5	20.2	77.0	0.0	19.8	19.8	2.4
5	17.5	23.6	19.7	74.0	.4	0.0	.4	.4
6	16.6	25.8	21.2	59.0	0.0	0.0	0.0	2.0
7	18.2	27.0	23.1	55.7	0.0	0.0	0.0	7.6
8	19.0	24.2	21.2	75.0	.8	0.0	.8	2.0
9	17.4	24.5	20.4	77.0	0.0	2.9	2.9	.4
10	17.5	23.5	18.6	94.0	3.8	4.8	8.6	1.3
11	17.4	24.0	19.6	80.0	0.0	0.0	0.0	1.1
12	17.9	24.4	19.2	87.3	13.5	0.0	13.5	2.5
13	18.0	25.0	20.8	74.7	7.8	12.5	20.3	3.3
14	15.5	23.0	19.3	79.7	0.0	0.0	0.0	.9
15	16.8	24.5	20.4	74.0	0.0	4.6	4.6	1.8
16	17.2	25.4	21.0	75.3	0.0	0.0	0.0	3.0
17	17.8	22.5	18.8	90.7	0.0	0.0	0.0	.6
18	17.2	27.0	20.6	61.0	0.0	0.0	0.0	6.8
19	17.9	23.9	20.2	70.3	0.0	0.0	0.0	.3
20	18.7	26.9	22.4	56.3	0.0	0.0	0.0	4.9
21	16.5	25.1	21.3	62.3	.6	35.6	36.2	1.8
22	18.0	25.0	20.4	61.3	0.0	.3	.3	2.3
23	17.0	23.0	18.8	83.7	6.8	0.0	6.8	.7
24	16.6	23.8	19.9	67.7	0.0	0.0	0.0	2.9
25	16.8	24.0	19.8	78.3	2.6	0.0	2.6	2.7
26	17.5	23.6	20.0	80.0	5.6	.5	6.1	3.0
27	17.5	20.0	18.2	96.7	2.0	0.0	2.0	0.0
28	16.8	21.8	19.3	78.7	1.6	.7	2.3	0.0
29	16.4	24.2	19.6	82.3	0.0	0.0	0.0	4.3
30	17.0	25.0	19.9	77.3	7.9	.1	8.0	4.0
31								
Total :					55.0	98.0	153.0	68.6
Promedio :	17.4	24.3	20.2	75.0				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.4	25.6	21.0	67.3	.2	0.0	.2	1.5
2	17.9	23.0	18.6	91.3	2.1	12.6	14.7	2.4
3	16.8	25.7	20.7	67.3	.1	.8	.9	2.3
4	18.0	24.1	20.5	70.0	8.3	6.4	14.7	3.2
5	16.7	26.8	19.1	76.0	10.8	1.3	12.1	4.8
6	17.0	26.5	20.2	73.3	.1	14.2	14.3	2.9
7	15.8	23.6	19.8	76.0	0.0	31.6	31.6	6.1
8	15.5	25.0	19.0	78.7	0.0	32.9	32.9	7.6
9	17.0	25.1	19.9	76.0	0.0	.4	.4	4.4
10	17.6	24.0	20.4	74.3	0.0	0.0	0.0	3.1
11	17.9	24.4	19.8	78.0	3.9	0.0	3.9	2.4
12	16.9	24.0	19.8	86.3	0.0	0.0	0.0	3.0
13	16.4	26.0	21.2	63.7	0.0	0.0	0.0	7.5
14	18.2	24.6	20.2	73.7	0.0	.3	.3	2.9
15	17.6	26.2	21.0	54.3	0.0	2.8	2.8	2.9
16	17.1	23.6	19.5	78.0	.2	0.0	.2	1.2
17	17.0	24.9	19.0	78.0	11.1	0.0	11.1	3.5
18	16.6	25.0	21.3	76.7	0.0	5.9	5.9	4.0
19	15.6	23.6	19.3	88.7	0.0	0.0	0.0	2.6
20	17.5	26.4	20.6	66.0	0.0	0.0	0.0	5.0
21	18.6	25.9	20.2	81.7	5.1	15.2	20.3	4.2
22	16.7	26.0	19.9	80.0	.1	1.0	1.1	6.9
23	16.6	24.0	20.1	85.3	6.9	6.9	13.8	2.8
24	18.0	25.5	20.3	85.3	1.0	4.4	5.4	4.5
25	18.2	24.9	20.6	82.0	5.4	0.0	5.4	3.9
26	17.0	24.1	20.7	81.3	0.0	1.0	1.0	5.3
27	17.8	24.0	20.0	87.3	15.9	.1	16.0	3.9
28	18.0	23.5	19.8	90.7	10.4	1.9	12.3	2.1
29	17.6	23.5	20.6	85.3	.1	0.0	.1	1.5
30	17.2	19.2	17.9	94.7	33.7	0.0	33.7	.2
31	16.1	25.5	19.6	79.0	0.0	0.0	0.0	7.4
Total :					115.4	139.7	255.1	116.0
Promedio :	17.1	24.7	20.0	78.3				

Estación : MESITAS DE SANTA INES **Dpto. : CUNDINAMARCA** **Latitud : 4 ° 43 'N**
Año : 1999 **Mpio. : CACHIPAY** **Longitud : 74 ° 28 'W**
Altitud : 1250 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	24.5	21.4	81.0	38.8	0.0	38.8	3.2
2	17.6	26.6	21.2	74.7	2.9	0.0	2.9	6.8
3	19.0	24.4	20.6	86.7	8.6	1.5	10.1	2.3
4	17.8	24.6	21.6	86.3	4.6	0.0	4.6	4.8
5	18.5	25.2	20.5	87.0	25.4	0.0	25.4	2.8
6	18.4	25.0	21.2	75.7	0.0	0.0	0.0	2.0
7	18.0	24.8	20.2	83.0	27.1	0.0	27.1	3.3
8	18.4	22.0	19.2	86.3	37.7	0.0	37.7	1.2
9	16.9	25.1	21.0	78.7	0.0	0.0	0.0	4.5
10	17.6	24.9	21.2	76.0	0.0	0.0	0.0	3.9
11	18.8	23.5	20.3	86.7	0.0	0.0	0.0	1.6
12	17.6	23.5	19.6	87.3	0.0	0.0	0.0	2.7
13	18.0	24.0	20.1	82.7	25.9	.3	26.2	2.5
14	18.0	26.4	20.5	75.3	0.0	2.7	2.7	6.0
15	18.0	25.6	20.7	73.0	22.6	0.0	22.6	5.0
16	17.0	25.0	21.3	78.7	0.0	4.3	4.3	6.1
17	17.6	24.8	19.7	90.3	24.0	4.0	28.0	4.3
18	18.2	20.5	19.0	94.0	6.7	2.3	9.0	0.0
19	16.8	21.0	19.8	94.0	0.0	0.0	0.0	.8
20	18.0	24.5	20.9	78.7	0.0	0.0	0.0	3.8
21	17.9	24.2	20.5	79.3	0.0	0.0	0.0	3.9
22	16.8	23.0	19.8	81.0	0.0	0.0	0.0	.6
23	17.9	25.0	20.9	76.3	0.0	1.0	1.0	3.0
24	17.4	23.1	19.5	86.0	9.0	0.0	9.0	3.6
25	17.8	23.6	19.9	84.0	0.0	0.0	0.0	2.1
26	16.9	23.4	19.5	90.0	6.0	0.0	6.0	1.8
27	17.0	21.6	19.2	92.0	0.0	0.0	0.0	.5
28	18.0	24.9	19.8	80.3	0.0	0.0	0.0	3.9
29	16.4	24.4	21.2	69.7	0.0	0.0	0.0	5.2
30	17.0	24.0	21.0	82.7	0.0	34.5	34.5	4.4
31								
Total :					239.3	50.6	289.9	96.6
Promedio :	17.7	24.1	20.4	82.6				

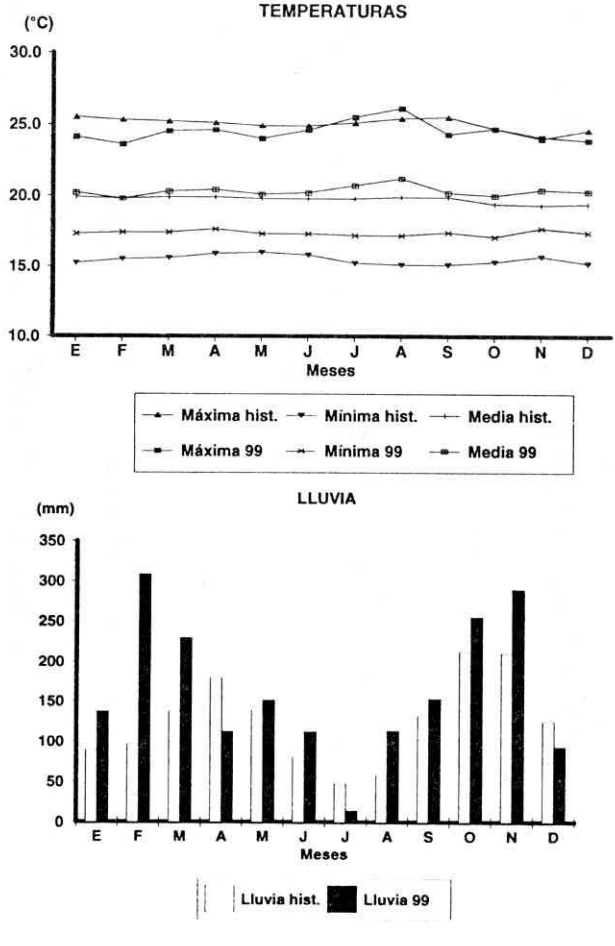
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	24.5	19.4	86.0	12.0	0.0	12.0	3.9
2	17.8	23.6	20.1	90.3	0.0	14.0	14.0	1.9
3	18.0	22.4	20.0	85.0	1.0	0.0	1.0	.4
4	17.8	25.0	19.8	81.7	2.0	0.0	2.0	5.2
5	16.8	23.5	20.4	85.3	0.0	0.0	0.0	3.2
6	18.7	23.5	20.2	88.0	11.0	0.0	11.0	1.1
7	17.8	22.8	20.4	81.3	0.0	0.0	0.0	2.7
8	17.5	23.0	20.4	84.7	0.0	0.0	0.0	2.4
9	18.5	24.5	20.6	80.3	0.0	0.0	0.0	3.3
10	18.4	24.4	20.8	69.7	3.0	0.0	3.0	2.5
11	17.4	23.0	19.2	82.7	1.1	0.0	1.1	1.8
12	17.0	23.8	20.2	79.7	7.0	8.2	15.2	3.2
13	18.0	22.5	20.0	88.0	1.9	2.3	4.2	1.1
14	18.2	22.0	20.6	81.7	4	.2	.6	.9
15	17.0	23.5	20.0	87.0	0.0	17.2	17.2	.9
16	17.8	21.5	19.5	93.0	0.0	0.0	0.0	.4
17	17.6	21.9	19.8	85.3	0.0	0.0	0.0	.4
18	17.2	23.6	20.6	82.3	0.0	0.0	0.0	3.4
19	17.0	24.0	20.9	77.0	0.0	0.0	0.0	4.0
20	17.7	24.5	20.3	83.0	1.5	0.0	1.5	4.5
21	18.9	26.0	22.0	82.0	0.0	0.0	0.0	3.2
22	17.0	25.9	22.0	75.7	0.0	0.0	0.0	6.7
23	16.5	26.5	21.0	63.0	0.0	0.0	0.0	8.8
24	16.2	24.9	20.5	73.7	0.0	0.0	0.0	4.5
25	17.7	26.0	20.0	76.0	0.0	0.0	0.0	2.8
26	16.8	26.1	20.8	76.0	0.0	0.0	0.0	5.6
27	17.4	25.0	20.6	81.0	0.0	0.0	0.0	4.6
28	16.0	24.5	20.5	75.0	0.0	1.6	1.6	5.6
29	17.8	23.0	19.6	84.0	2.9	0.0	2.9	2.4
30	17.0	22.5	19.2	76.3	0.0	0.0	0.0	3.9
31	16.2	24.0	19.8	75.3	5.1	1.0	6.1	3.7
Total :					48.9	44.5	93.4	99.0
Promedio :	17.4	23.9	20.3	81.0				

Estación : MESITAS DE SANTA INES
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : CACHIPAY

Latitud : 4 ° 43 'N
Longitud : 74 ° 28 'W
Altitud : 1250 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	17.3	24.1	20.2	26.6	15.6	84.2	137.4	19	79.0
Febrero	17.4	23.6	19.8	27.3	16.0	86.1	308.2	21	50.4
Marzo	17.4	24.5	20.3	26.5	16.5	82.4	229.3	19	86.3
Abril	17.6	24.6	20.4	26.5	15.6	78.2	112.8	16	93.9
Mayo	17.3	24.0	20.1	27.1	16.0	78.8	151.4	15	104.7
Junio	17.3	24.6	20.2	27.0	15.5	76.9	112.3	17	87.7
Julio	17.2	25.5	20.7	28.0	14.6	66.6	14.2	8	146.3
Agosto	17.2	26.1	21.2	28.5	15.4	62.5	113.3	16	139.3
Septiembre	17.4	24.3	20.2	27.0	15.5	75.0	153.0	19	68.6
Octubre	17.1	24.7	20.0	26.8	15.5	78.3	255.1	25	116.0
Noviembre	17.7	24.1	20.4	26.6	16.4	82.6	289.9	17	96.6
Diciembre	17.4	23.9	20.3	26.5	16.0	81.0	93.4	15	99.0
Promedio :	17.4	24.5	20.3			77.7			
Absoluta :				28.5	14.6				
Total :							1970.3	207	1167.8



Estación : MISIONES
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : EL COLEGIO

Latitud : 4 ° 33 'N
Longitud : 74 ° 25 'W
Altitud : 1540 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	24.0	19.1	80.0	.9	0.0	.9	2.7
2	16.8	22.0	18.2	87.0	5.0	0.0	5.0	1.9
3	16.0	22.8	18.6	90.7	.4	.4	.8	2.7
4	15.9	26.0	20.0	86.7	0.0	0.0	0.0	2.4
5	16.2	24.8	19.0	86.0	0.0	.1	.1	2.1
6	16.0	24.9	19.6	83.0	0.0	38.7	38.7	6.3
7	16.2	21.3	18.2	91.3	2.1	4.3	6.4	.3
8	16.2	24.0	18.4	87.7	24.1	2.4	26.5	1.7
9	16.0	21.0	17.8	93.0	9.8	0.0	9.8	.1
10	16.3	23.1	19.0	85.0	0.0	7.1	7.1	1.7
11	16.0	18.5	16.8	96.3	54.4	0.0	54.4	.8
12	15.2	19.8	17.0	93.7	4.2	.3	4.5	.3
13	15.0	23.5	18.4	86.7	0.0	0.0	0.0	3.2
14	15.1	23.2	18.2	85.0	2.1	0.0	2.1	2.5
15	15.8	23.1	18.1	84.7	0.0	0.0	0.0	3.2
16	14.8	24.2	18.6	83.3	0.0	6.3	6.3	6.0
17	15.2	24.0	18.9	84.3	0.0	6.5	6.5	3.9
18	16.0	23.5	19.4	76.3	0.0	0.0	0.0	2.7
19	16.7	22.5	19.4	80.0	0.0	0.0	0.0	2.0
20	16.3	22.0	18.6	84.0	0.0	0.0	0.0	.5
21	16.8	22.0	18.4	85.3	.3	.2	.5	2.2
22	16.7	21.7	18.9	86.3	.3	0.0	.3	.4
23	16.0	21.8	18.4	79.7	0.0	0.0	0.0	1.6
24	17.0	20.3	18.4	88.0	0.0	0.0	0.0	.2
25	15.8	21.3	18.4	89.3	.1	.1	.2	.1
26	15.9	20.2	17.4	93.7	.6	0.0	.6	.7
27	16.8	23.1	19.2	79.3	0.0	.2	.2	2.8
28	16.9	20.5	17.8	91.0	18.6	0.0	18.6	.1
29	15.8	23.5	19.4	85.7	0.0	0.0	0.0	3.6
30	17.0	24.4	21.2	76.3	0.0	0.0	0.0	6.9
31	17.8	23.2	18.6	83.3	.6	0.0	.6	1.4
Total :					123.5	66.6	190.1	67.0
Promedio :	16.1	22.6	18.6	85.9				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	23.5	20.0	80.3	0.0	0.0	0.0	3.7
2	15.8	22.0	18.3	94.7	.3	.6	.9	.6
3	16.0	23.0	19.0	79.7	.8	0.0	.8	.2
4	14.5	21.5	17.7	89.3	0.0	0.0	0.0	.9
5	16.7	23.1	19.0	79.0	0.0	0.0	0.0	3.8
6	16.5	23.0	18.8	90.7	0.0	0.0	0.0	1.4
7	16.0	20.3	17.6	93.0	10.8	0.0	10.8	0.0
8	16.4	23.8	20.0	79.3	0.0	0.0	0.0	3.6
9	18.1	24.2	20.7	76.0	0.0	.5	.5	1.7
10	16.2	21.0	17.6	90.3	3.0	0.0	3.0	.1
11	15.5	24.2	18.8	81.3	0.0	0.0	0.0	2.9
12	17.5	23.3	19.7	78.3	1.9	.1	2.0	1.7
13	15.8	21.5	17.6	87.3	2.1	0.0	2.1	2.9
14	15.0	20.8	18.0	85.3	0.0	.4	.4	3.0
15	15.8	19.8	16.7	94.0	2.2	0.0	2.2	2.1
16	15.7	23.1	18.6	83.3	0.0	52.3	52.3	.8
17	14.0	19.9	16.7	89.0	1.0	14.0	15.0	2.5
18	14.9	21.5	16.4	89.3	37.8	0.0	37.8	2.6
19	14.5	24.2	18.8	84.0	2.0	4.8	6.8	.9
20	15.0	18.8	16.9	93.3	.4	0.0	.4	2.4
21	15.3	21.4	18.4	83.3	0.0	9.5	9.5	4.3
22	15.3	21.8	17.7	84.7	3.2	.1	3.3	.4
23	15.7	19.8	17.6	93.0	0.0	.3	.3	.6
24	15.0	20.0	16.9	93.7	0.0	.4	.4	1.2
25	15.8	21.0	18.0	90.7	0.0	0.0	0.0	.6
26	16.3	23.1	19.8	85.7	.1	.2	.3	2.9
27	15.9	23.5	18.8	86.0	2.3	0.0	2.3	.5
28	16.5	21.3	17.7	91.7	7.1	18.9	26.0	1.5
29								
30								
31								
Total :					75.0	102.1	177.1	49.8
Promedio :	15.8	21.9	18.3	86.6				

Estación : MISIONES
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : EL COLEGIO

Latitud : 4 ° 33 'N
Longitud : 74 ° 25 'W
Altitud : 1540 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.5	22.0	18.6	85.0	0.0	0.0	0.0	1.2
2	15.3	21.5	17.6	88.3	5.2	0.0	5.2	1.3
3	14.8	22.1	18.2	88.3	0.0	0.0	0.0	1.4
4	14.7	20.2	17.6	91.0	0.0	0.0	0.0	1.2
5	15.6	21.5	18.7	85.3	0.0	0.0	0.0	2.9
6	16.4	24.1	20.0	80.7	.8	0.0	.8	6.2
7	16.9	24.3	20.0	80.3	1.9	0.0	1.9	4.6
8	16.0	24.7	19.4	75.3	2.4	0.0	2.4	7.8
9	16.1	23.8	18.9	85.7	.7	4.9	5.6	3.3
10	16.0	23.3	19.1	83.0	.4	.1	.5	3.9
11	16.1	24.1	19.5	85.7	0.0	4.1	4.1	4.5
12	16.2	22.6	18.8	82.7	0.0	0.0	0.0	1.6
13	17.8	22.2	19.3	79.3	2.7	.3	3.0	2.8
14	16.9	25.5	20.0	81.3	1.3	0.0	1.3	3.0
15	18.0	23.0	19.7	76.0	9.2	0.0	9.2	2.1
16	14.0	21.5	18.2	91.0	.4	16.2	16.6	1.1
17	15.0	23.5	19.3	80.3	0.0	15.7	15.7	2.5
18	14.4	23.0	18.2	90.7	0.0	0.0	0.0	2.7
19	16.3	22.1	18.7	86.3	.9	0.0	.9	.9
20	16.0	24.1	18.8	87.0	.5	.3	.8	2.2
21	14.8	24.0	19.4	85.0	0.0	39.2	39.2	4.4
22	16.0	21.0	17.8	93.0	2.1	0.0	2.1	.5
23	15.5	21.5	18.8	80.0	0.0	0.0	0.0	.6
24	15.9	22.2	19.2	78.3	8.6	0.0	8.6	1.1
25	17.2	23.5	20.2	76.7	0.0	0.0	0.0	.6
26	17.8	22.2	20.3	74.7	.1	0.0	.1	3.0
27	17.0	23.0	20.1	73.7	.2	1.7	1.9	.5
28	16.9	23.2	18.9	82.7	14.8	0.0	14.8	1.4
29	15.4	19.2	16.4	91.3	10.0	0.0	10.0	1.0
30	15.5	25.0	19.5	76.3	1.2	0.0	1.2	5.1
31	16.0	22.9	19.2	91.0	0.0	0.0	0.0	1.4
Total :					63.4	82.5	145.9	76.8
Promedio :	16.0	22.8	19.0	83.4				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	23.5	20.3	82.0	0.0	0.0	0.0	1.3
2	16.5	23.0	19.6	88.0	.1	0.0	.1	2.6
3	17.5	24.2	20.1	80.3	0.0	15.1	15.1	.6
4	16.3	24.0	18.6	86.3	19.8	2.8	22.6	3.0
5	14.5	24.3	19.2	80.0	0.0	8.0	8.0	7.6
6	16.0	25.0	20.1	81.0	0.0	0.0	0.0	4.8
7	15.2	23.0	19.0	88.7	11.7	2.0	13.7	1.5
8	14.4	23.6	18.3	93.0	0.0	56.0	56.0	1.3
9	14.0	19.2	16.8	94.7	3.3	.9	4.2	.1
10	15.0	19.8	17.0	94.7	.8	0.0	.8	.3
11	14.7	21.6	18.7	91.3	.6	0.0	.6	1.4
12	17.0	23.5	19.6	84.0	3.3	.4	3.7	2.3
13	14.5	23.3	18.6	90.7	0.0	0.0	0.0	3.0
14	16.0	22.7	18.4	86.3	2.5	0.0	2.5	2.0
15	17.4	22.0	19.1	84.3	.2	0.0	.2	1.1
16	17.0	24.3	20.5	71.7	0.0	0.0	0.0	8.4
17	18.4	26.3	20.9	63.3	0.0	0.0	0.0	5.2
18	19.0	24.9	20.5	74.7	0.0	0.0	0.0	3.0
19	19.5	23.0	20.7	68.0	0.0	0.0	0.0	3.0
20	17.0	22.0	18.6	88.3	.1	0.0	.1	.5
21	16.9	23.0	19.5	76.7	0.0	0.0	0.0	2.0
22	17.5	24.0	20.3	78.3	1.6	.2	1.8	2.6
23	17.0	22.1	19.0	90.0	.4	0.0	.4	.9
24	16.7	21.8	18.8	84.0	2.4	.5	2.9	.5
25	15.2	21.0	17.2	94.7	9.9	0.0	9.9	1.3
26	14.4	22.3	17.8	86.7	2.4	.2	2.6	.5
27	14.5	19.0	16.8	90.7	.3	0.0	.3	.2
28	15.0	21.5	17.2	95.7	.5	.1	.6	.9
29	16.0	22.5	19.2	83.3	4.8	1.5	6.3	2.9
30	15.0	20.8	17.6	89.3	.8	0.0	.8	.9
31								
Total :					65.5	87.7	153.2	65.7
Promedio :	16.2	22.7	18.9	84.7				

Estación : MISIONES
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : EL COLEGIO

Latitud : 4 ° 33 'N
Longitud : 74 ° 25 'W
Altitud : 1540 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.8	23.5	19.5	79.3	2.5	0.0	2.5	3.2
2	16.8	21.2	19.0	88.3	8.4	0.0	8.4	1.8
3	15.5	21.8	18.3	89.0	0.0	0.0	0.0	2.4
4	14.0	18.2	17.3	82.3	15.0	0.0	15.0	0.0
5	15.0	24.9	19.2	78.0	.2	0.0	.2	4.8
6	16.2	21.5	17.9	90.3	2.0	0.0	2.0	1.2
7	16.5	21.0	18.2	83.0	3.4	.1	3.5	.9
8	16.0	20.9	18.9	85.0	.3	0.0	.3	.5
9	17.5	20.5	18.2	89.0	28.0	1.0	29.0	0.0
10	15.0	22.5	18.9	87.7	0.0	2.5	2.5	.9
11	14.5	19.0	15.9	96.0	40.1	0.0	40.1	.2
12	14.2	19.1	17.8	87.3	.3	.2	.5	1.5
13	14.3	19.5	15.8	95.0	5.8	0.0	5.8	0.0
14	16.0	22.8	19.4	81.7	0.0	0.0	0.0	2.8
15	16.9	22.5	20.0	83.0	0.0	0.0	0.0	2.6
16	17.0	24.2	20.8	68.7	0.0	0.0	0.0	5.5
17	16.2	23.5	20.0	72.7	0.0	0.0	0.0	6.4
18	17.0	21.5	19.0	83.7	.3	2.6	2.9	1.6
19	16.0	23.0	19.2	78.3	0.0	0.0	0.0	2.3
20	15.0	21.5	17.8	89.0	10.8	2.0	12.8	1.1
21	15.1	23.0	19.4	73.7	0.0	1.2	1.2	1.6
22	15.8	22.8	19.3	80.3	.9	0.0	.9	1.8
23	17.5	23.0	20.0	81.3	0.0	0.0	0.0	2.0
24	18.0	24.5	20.2	81.7	0.0	0.0	0.0	4.3
25	18.1	22.0	19.8	82.3	0.0	0.0	0.0	2.9
26	15.5	24.1	20.4	82.0	0.0	0.0	0.0	5.0
27	17.2	24.0	20.2	83.7	0.0	0.0	0.0	2.2
28	16.0	23.8	20.2	82.7	0.0	.5	.5	.9
29	14.8	23.1	18.7	81.0	.4	.3	.7	.7
30	16.0	24.0	20.1	78.3	0.0	0.0	0.0	2.7
31	15.9	23.3	19.8	78.0	0.0	8.4	8.4	2.8
Total					118.4	18.8	137.2	66.6
Promedio	15.9	22.3	19.0	83.0				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.5	26.0	21.2	66.7	0.0	0.0	0.0	4.8
2	15.0	23.5	19.2	82.7	0.0	0.0	0.0	.9
3	18.0	25.0	20.8	75.3	1.9	0.0	1.9	3.7
4	18.0	21.0	18.6	87.0	1.1	1.4	2.5	.3
5	15.5	20.5	17.8	89.0	.7	0.0	.7	.1
6	17.0	24.4	19.8	72.3	0.0	0.0	0.0	.9
7	18.8	23.5	20.4	77.3	.3	4.0	4.3	1.0
8	14.5	22.5	18.8	90.7	0.0	.2	.2	.6
9	16.0	23.0	18.8	82.7	1.3	0.0	1.3	2.1
10	17.5	25.0	19.9	85.0	3.5	.8	4.3	3.2
11	15.0	24.0	19.5	80.7	0.0	0.0	0.0	1.3
12	17.8	22.8	19.0	89.0	.1	0.0	.1	1.7
13	15.6	19.2	16.7	89.7	25.7	0.0	25.7	.5
14	16.0	25.0	19.6	76.0	0.0	0.0	0.0	2.8
15	16.8	19.7	18.1	84.0	0.0	0.0	0.0	.3
16	17.3	22.0	18.8	75.0	1.0	0.0	1.0	.7
17	16.4	22.5	19.2	80.0	0.0	0.0	0.0	1.5
18	16.0	18.8	16.8	91.0	1.3	0.0	1.3	.1
19	15.5	20.2	18.4	88.0	0.0	0.0	0.0	.3
20	16.7	22.2	19.4	84.0	.1	.4	.5	1.2
21	15.3	20.0	16.9	88.7	5.7	0.0	5.7	.2
22	16.0	20.8	18.5	88.3	0.0	0.0	0.0	1.8
23	16.1	19.0	16.8	82.7	1.2	0.0	1.2	.1
24	16.8	22.0	18.6	74.7	0.0	0.0	0.0	.9
25	17.2	23.0	18.8	82.7	.5	0.0	.5	.5
26	14.9	20.5	17.8	85.0	.1	0.0	.1	1.1
27	13.7	23.0	18.4	86.7	.9	12.6	13.5	.4
28	14.0	20.3	17.3	88.3	.6	0.0	.6	.1
29	16.0	21.5	18.1	81.7	.1	0.0	.1	.9
30	16.4	22.8	19.8	73.7	0.0	0.0	0.0	3.6
31								
Total					46.1	19.4	65.5	37.6
Promedio	16.2	22.1	18.7	82.6				

Estación : MISIONES
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : EL COLEGIO

Latitud : 4 ° 33 'N
Longitud : 74 ° 25 'W
Altitud : 1540 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.7	19.0	16.6	91.0	0.0	.1	.1	.1
2	15.3	21.2	18.2	79.7	.1	0.0	.1	1.5
3	16.0	22.7	19.7	72.7	0.0	0.0	0.0	1.5
4	13.9	22.5	18.0	85.3	.4	0.0	.4	2.7
5	15.8	21.8	18.6	82.0	0.0	0.0	0.0	2.0
6	17.3	23.7	19.4	70.0	0.0	0.0	0.0	3.5
7	16.2	19.5	17.2	81.3	2.3	0.0	2.3	.5
8	16.0	21.2	18.5	75.3	2.1	0.0	2.1	1.2
9	16.1	21.0	18.4	74.0	0.0	0.0	0.0	2.1
10	13.9	23.9	18.7	69.0	0.0	0.0	0.0	6.1
11	18.3	22.0	19.9	74.7	0.0	0.0	0.0	5.2
12	16.0	23.0	19.4	71.3	.4	0.0	.4	4.4
13	15.3	20.9	18.6	78.3	0.0	0.0	0.0	1.7
14	15.9	23.5	20.2	74.3	0.0	0.0	0.0	4.3
15	17.0	24.0	21.5	59.3	0.0	0.0	0.0	6.1
16	17.3	24.2	20.0	62.0	0.0	0.0	0.0	2.6
17	18.0	24.0	20.2	68.0	9.6	0.0	9.6	2.3
18	18.8	22.9	20.4	73.3	0.0	0.0	0.0	4.0
19	18.0	26.0	20.9	75.3	0.0	0.0	0.0	4.7
20	17.6	22.7	19.4	79.7	.6	0.0	.6	.2
21	17.0	25.0	20.1	78.3	0.0	0.0	0.0	3.4
22	18.1	22.3	19.2	77.0	0.0	0.0	0.0	.7
23	17.5	23.1	19.2	70.7	.8	0.0	.8	.7
24	16.8	22.7	20.6	69.3	0.0	0.0	0.0	2.7
25	15.2	23.2	19.4	79.7	0.0	0.0	0.0	3.0
26	16.9	24.0	19.6	71.7	0.0	.6	.6	3.3
27	16.7	22.2	18.7	83.7	0.0	0.0	0.0	1.1
28	17.0	23.4	19.9	72.7	.4	0.0	.4	3.0
29	17.0	20.5	18.2	85.0	2.8	0.0	2.8	.1
30	17.0	23.9	20.5	71.7	.1	.9	1.0	4.7
31	16.2	21.8	18.0	83.0	3.9	0.0	3.9	1.6
Total :					23.5	1.6	25.1	81.0
Promedio :	16.6	22.6	19.3	75.5				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.3	20.5	18.0	80.0	.3	0.0	.3	1.2
2	15.7	22.0	19.2	68.0	0.0	0.0	0.0	2.5
3	15.9	22.8	18.8	71.0	.6	0.0	.6	2.2
4	15.0	24.1	19.5	58.3	0.0	0.0	0.0	3.6
5	16.5	24.0	19.6	64.3	0.0	0.0	0.0	3.4
6	17.8	25.1	21.3	75.3	0.0	10.6	10.6	6.4
7	17.8	21.0	18.8	84.0	1.4	.1	1.5	.3
8	15.8	21.0	18.9	78.0	0.0	.4	.4	.9
9	15.3	20.2	17.4	89.7	1.3	0.0	1.3	.7
10	16.7	24.5	19.9	64.3	0.0	0.0	0.0	2.2
11	17.5	25.3	21.0	65.7	0.0	0.0	0.0	3.4
12	16.4	23.7	19.8	66.7	0.0	0.0	0.0	2.4
13	16.9	24.7	20.2	67.0	1.0	0.0	1.0	2.0
14	15.4	23.1	18.7	82.7	.3	0.0	.3	1.8
15	16.1	20.0	17.7	75.7	.6	0.0	.6	1.9
16	15.0	24.0	18.9	70.3	.1	.1	.2	3.2
17	16.8	24.3	21.0	61.0	0.0	2.4	2.4	5.8
18	17.0	26.8	22.2	48.7	0.0	0.0	0.0	9.4
19	16.4	27.2	21.4	59.3	0.0	0.0	0.0	7.2
20	17.9	25.0	20.5	65.0	.2	3.4	3.6	3.8
21	15.5	25.2	20.8	58.3	0.0	0.0	0.0	2.7
22	15.8	21.9	18.2	82.3	6.1	0.0	6.1	1.5
23	16.2	26.2	21.4	62.0	0.0	0.0	0.0	5.6
24	15.6	26.5	20.9	72.7	.2	0.0	.2	4.4
25	16.8	22.9	19.6	77.0	3.5	1.5	5.0	.2
26	15.0	23.7	19.3	77.0	.1	1.5	1.6	2.9
27	16.5	23.4	20.0	75.3	.2	.2	.4	1.2
28	17.2	25.8	19.8	62.0	1.6	0.0	1.6	1.9
29	17.5	25.0	21.2	72.0	0.0	2.3	2.3	6.4
30	17.0	26.0	21.8	60.0	0.0	0.0	0.0	0.0
31	16.5	25.5	21.0	58.3	0.0	0.0	0.0	2.8
Total :					17.5	22.5	40.0	93.9
Promedio :	16.4	23.9	19.9	69.4				

Estación : MISIONES Dpto. : CUNDINAMARCA Latitud : 4 ° 33 'N
Año : 1999 Mpio. : EL COLEGIO Longitud : 74 ° 25 'W
Altitud : 1540 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.2	23.1	19.4	76.0	1.5	0.0	1.5	1.2
2	16.5	22.8	19.6	79.7	0.0	.6	.6	1.2
3	16.8	22.7	19.7	74.0	1.7	.4	2.1	1.5
4	17.0	21.0	18.8	80.0	.5	0.0	.5	2.0
5	15.6	22.3	18.6	74.7	0.0	0.0	0.0	.3
6	17.0	25.1	20.7	65.0	0.0	0.0	0.0	2.5
7	18.8	24.5	20.8	72.7	0.0	0.0	0.0	5.1
8	18.5	23.0	19.6	78.7	.2	0.0	.2	1.5
9	16.0	21.5	18.2	82.7	14.0	.4	14.4	.8
10	15.8	20.5	17.0	94.0	.4	5.3	5.7	.6
11	14.0	20.7	17.1	88.3	0.0	.1	.1	.6
12	16.1	21.2	17.7	89.0	8.2	0.0	8.2	1.5
13	16.0	23.0	18.4	86.3	33.0	6.4	39.4	2.9
14	13.0	22.0	17.4	86.3	.3	.6	.9	1.1
15	15.0	22.0	19.0	76.3	0.0	.3	.3	.6
16	15.5	24.8	19.8	81.3	.3	3.2	3.5	3.5
17	15.0	19.0	16.8	90.7	.2	0.0	.2	.2
18	15.9	23.5	19.2	71.3	0.0	0.0	0.0	1.7
19	18.0	25.0	19.4	75.3	0.0	0.0	0.0	1.4
20	17.5	26.0	21.5	62.3	0.0	0.0	0.0	4.3
21	16.8	23.0	19.1	72.3	3.5	0.0	3.5	1.0
22	16.2	23.5	18.8	79.0	1.3	0.0	1.3	1.2
23	14.3	20.5	17.3	83.7	4.3	0.0	4.3	1.2
24	16.0	21.7	18.0	80.0	0.0	0.0	0.0	1.0
25	15.7	22.0	17.8	82.0	3.1	6.5	9.6	5.0
26	15.0	21.4	17.5	82.3	0.0	12.3	12.3	0.0
27	14.9	16.6	15.4	94.3	8.0	0.0	8.0	0.0
28	15.0	19.2	15.9	90.3	4.6	.7	5.3	.2
29	15.1	22.0	17.8	88.3	0.0	0.0	0.0	2.4
30	13.6	21.0	18.0	81.0	6.8	0.0	6.8	.5
31								
Total :					91.9	36.8	128.7	47.0
Promedio :	16.0	22.2	18.5	80.6				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.5	23.0	19.2	72.3	0.0	0.0	0.0	2.1
2	15.9	20.0	17.2	92.3	.2	2.6	2.8	1.2
3	15.0	23.5	18.9	76.7	0.0	1.8	1.8	1.9
4	16.6	22.0	18.4	81.3	3.4	6.3	9.7	2.4
5	14.2	26.1	17.2	83.0	21.5	1.7	23.2	3.5
6	15.0	23.0	17.6	86.0	2.2	33.4	35.6	1.2
7	13.0	22.7	18.6	76.3	0.0	2.9	2.9	4.6
8	13.1	22.8	18.1	82.3	.9	7.9	8.8	3.9
9	15.0	23.2	18.9	80.0	.5	0.0	.5	2.6
10	17.2	23.0	18.8	81.0	3.4	0.0	3.4	2.9
11	17.0	22.8	19.6	73.0	0.0	0.0	0.0	1.0
12	16.0	22.0	17.7	87.0	0.0	0.0	0.0	1.0
13	16.1	23.5	19.4	76.0	0.0	.3	.3	2.4
14	17.0	22.5	19.1	82.7	0.0	0.0	0.0	3.5
15	17.1	24.0	20.3	69.0	0.0	0.0	0.0	3.2
16	17.5	23.0	19.2	83.7	0.0	0.0	0.0	1.0
17	16.0	21.5	17.5	86.7	16.7	0.0	16.7	1.8
18	15.7	21.8	18.5	79.7	3.2	1.2	4.4	3.4
19	14.8	21.0	18.2	85.3	.4	0.0	.4	2.7
20	17.0	23.0	19.5	75.3	0.0	0.0	0.0	2.1
21	18.0	24.2	19.2	81.0	.1	8.7	8.8	2.4
22	14.0	23.2	18.5	83.3	1.1	7.0	8.1	4.8
23	14.1	23.0	18.2	89.0	0.0	3.9	3.9	2.0
24	15.5	21.0	18.0	91.3	3.1	4.2	7.3	1.2
25	16.5	22.5	18.8	89.7	6.6	0.0	6.6	2.5
26	16.0	21.8	18.8	88.0	.1	2.5	2.6	2.3
27	15.6	23.5	18.5	90.7	.9	.5	1.4	4.2
28	13.0	21.5	17.7	93.0	.5	2.2	2.7	.8
29	15.7	20.6	18.2	89.0	1.0	1.4	2.4	1.0
30	14.0	16.5	15.4	92.7	17.1	0.0	17.1	0.0
31	15.2	22.4	18.6	83.3	0.0	0.0	0.0	5.0
Total :					82.9	88.5	171.4	74.6
Promedio :	15.5	22.4	18.4	83.2				

Estación : MISIONES
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : EL COLEGIO

Latitud : 4 ° 33 'N
Longitud : 74 ° 25 'W
Altitud : 1540 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	23.0	18.7	85.3	0.0	6.2	6.2	3.5
2	16.0	25.0	20.0	79.0	0.0	1.5	1.5	5.0
3	16.5	22.5	18.6	86.7	3.2	2.6	5.8	.9
4	16.0	23.4	19.4	83.3	2.7	4.6	7.3	2.3
5	16.4	22.5	18.2	89.3	12.0	17.0	29.0	1.9
6	16.0	23.0	19.8	72.7	0.0	0.0	0.0	2.9
7	17.0	21.8	19.3	85.3	1.2	1.1	2.3	2.4
8	16.2	20.0	17.7	91.0	6.3	0.0	6.3	.4
9	16.0	23.5	19.6	84.3	0.0	0.0	0.0	3.4
10	17.0	25.0	20.4	77.7	1.7	.6	2.3	3.1
11	17.1	20.5	18.3	89.0	0.0	0.0	0.0	.9
12	17.0	22.1	19.0	88.7	2.7	6.3	9.0	2.2
13	16.5	22.0	18.8	83.7	0.0	0.0	0.0	1.7
14	17.0	23.2	19.6	86.0	0.0	.2	.2	5.5
15	16.9	23.0	19.1	81.3	10.7	0.0	10.7	4.9
16	16.5	24.5	20.3	81.7	0.0	1.3	1.3	7.8
17	16.0	23.0	18.9	84.0	3.5	15.9	19.4	4.9
18	15.2	18.8	16.2	93.3	7.9	1.6	9.5	.2
19	14.7	20.0	17.0	93.3	0.0	0.0	0.0	1.2
20	15.2	21.8	18.3	91.3	0.0	0.0	0.0	2.3
21	15.0	20.8	17.4	92.0	0.0	0.0	0.0	2.1
22	15.2	19.7	17.0	91.3	0.0	0.0	0.0	.3
23	15.0	23.0	18.4	89.0	0.0	1.3	1.3	2.9
24	15.1	24.0	18.2	86.0	2.4	0.0	2.4	4.1
25	15.5	22.0	17.4	90.7	7.0	0.0	7.0	1.7
26	15.0	22.2	18.3	86.7	.4	0.0	.4	2.8
27	15.6	20.2	17.9	92.0	0.0	0.0	0.0	0.0
28	15.5	22.5	18.7	81.0	0.0	0.0	0.0	3.0
29	16.4	23.0	19.2	79.0	0.0	0.0	0.0	3.5
30	16.0	22.1	17.9	83.0	1.1	11.4	12.5	3.5
31								
Total :					62.8	71.6	134.4	81.3
Promedio :	16.0	22.3	18.6	85.9				

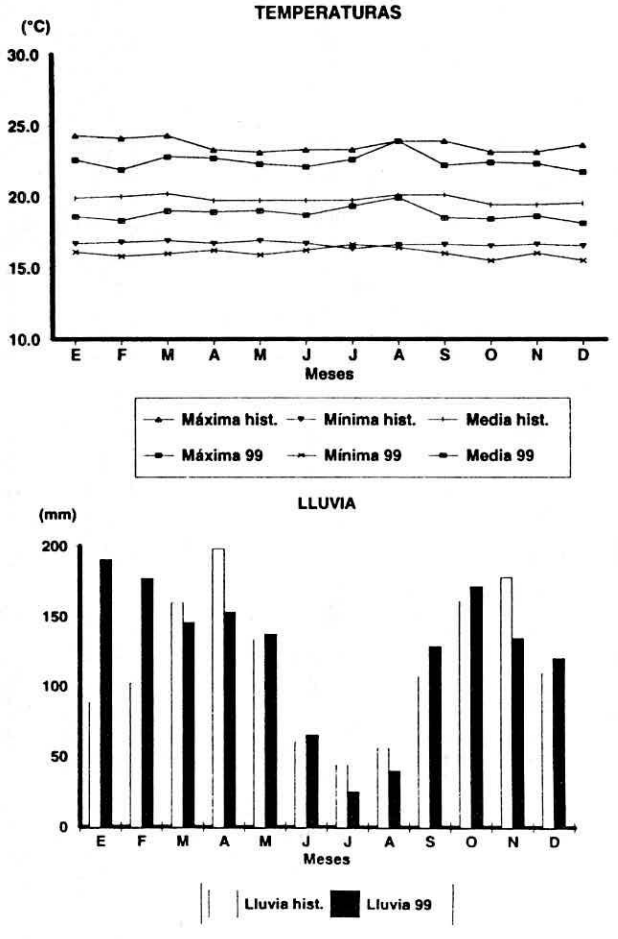
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	13.9	20.2	17.5	90.3	.2	5.1	5.3	.8
2	15.0	19.0	17.2	93.0	.1	9.6	9.7	.4
3	15.1	21.6	18.1	84.0	0.0	0.0	0.0	.5
4	15.0	22.2	18.0	91.7	3.4	2.1	5.5	1.0
5	16.0	21.3	18.5	83.7	0.0	.1	.1	1.1
6	16.8	22.0	18.8	91.0	10.0	0.0	10.0	.3
7	16.0	21.5	18.4	87.3	10.5	4.8	15.3	2.2
8	16.1	22.5	19.4	87.7	.1	1.1	1.2	2.0
9	16.0	23.1	19.0	85.3	.5	1.2	1.7	2.7
10	17.2	23.0	19.5	82.3	.3	0.0	.3	2.5
11	16.7	21.5	17.9	84.0	2.5	0.0	2.5	2.0
12	16.0	21.7	18.0	90.0	.8	1.5	2.3	.8
13	15.5	20.5	17.8	93.3	14.7	4.1	18.8	.6
14	15.6	20.7	17.9	90.3	1.4	1.3	2.7	1.5
15	16.0	20.0	17.6	97.0	.4	.1	.5	.1
16	15.6	18.8	17.2	92.7	0.0	0.0	0.0	.2
17	15.4	19.3	17.2	91.7	0.0	0.0	0.0	0.0
18	16.0	21.2	18.4	89.7	0.0	0.0	0.0	1.2
19	15.7	20.8	18.2	88.3	0.0	0.0	0.0	1.8
20	15.6	23.0	18.4	90.7	.3	0.0	.3	4.6
21	16.2	25.2	19.5	89.0	11.9	4.0	15.9	4.0
22	15.3	23.6	18.8	87.0	.2	.2	.4	7.6
23	15.0	23.4	18.9	86.3	0.0	18.0	18.0	6.2
24	15.2	22.8	18.0	90.3	.1	1.7	1.8	2.9
25	14.9	22.4	17.6	93.0	0.0	0.0	0.0	2.9
26	15.7	24.0	18.6	86.7	0.0	0.0	0.0	4.5
27	15.4	21.0	16.8	97.0	7.6	0.0	7.6	2.7
28	14.0	21.4	17.4	85.3	0.0	.2	.2	3.7
29	14.8	22.0	17.6	90.3	0.0	0.0	0.0	5.1
30	15.0	20.0	17.9	88.0	0.0	0.0	0.0	1.4
31	15.1	22.4	18.4	86.0	0.0	0.0	0.0	2.3
Total :					65.0	55.1	120.1	69.6
Promedio :	15.5	21.7	18.1	89.1				

Estación : MISIONES
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : EL COLEGIO

Latitud : 4 ° 33 'N
Longitud : 74 ° 25 'W
Altitud : 1540 m

MES	TEMPERATURA °C						PRECIPITACION		
	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	16.1	22.6	18.6	26.0	14.8	85.9	190.1	21	67.0
Febrero	15.8	21.9	18.3	24.2	14.0	86.6	177.1	21	49.8
Marzo	16.0	22.8	19.0	25.5	14.0	83.4	145.9	22	76.8
Abril	16.2	22.7	18.9	26.3	14.0	84.7	153.2	22	65.7
Mayo	15.9	22.3	19.0	24.9	14.0	83.0	137.2	19	66.6
Junio	16.2	22.1	18.7	26.0	13.7	82.6	65.5	19	37.6
Julio	16.6	22.6	19.3	26.0	13.9	75.5	25.1	14	81.0
Agosto	16.4	23.9	19.9	27.2	15.0	69.4	40.0	19	93.9
Septiembre	16.0	22.2	18.5	26.0	13.0	80.6	128.7	22	47.0
Octubre	15.5	22.4	18.4	26.1	13.0	83.2	171.4	23	74.6
Noviembre	16.0	22.3	18.6	25.0	14.7	85.9	134.4	19	81.3
Diciembre	15.5	21.7	18.1	25.2	13.9	89.1	120.1	21	69.6
Promedio :	16.0	22.5	18.8			82.5			
Absoluta :				27.2	13.0				
Total :							1488.7	242	810.9



Estación : GRANJA TIBACUY
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : TIBACUY

Latitud : 4 ° 22 'N
Longitud : 74 ° 26 'W
Altitud : 1550 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.5	25.0	19.0	75.0	0.0	0.0	0.0	5.3
2	15.0	24.0	18.0	84.7	.3	0.0	.3	3.0
3	14.2	23.0	19.4	86.7	2.3	1.2	3.5	2.4
4	15.5	24.0	18.8	83.7	16.3	0.0	16.3	3.3
5	15.0	23.4	18.4	86.0	15.5	3.6	19.1	3.9
6	15.5	23.2	19.4	86.0	.3	3.7	4.0	4.6
7	16.0	23.1	18.6	85.7	2.6	0.0	2.6	4.6
8	16.1	22.0	18.3	89.7	15.4	0.0	15.4	.7
9	16.5	21.5	17.4	91.3	1.5	0.0	1.5	.6
10	14.5	22.0	18.3	85.7	.7	0.0	.7	1.4
11	15.0	19.3	17.2	91.7	27.8	0.0	27.8	.3
12	14.5	21.5	17.5	90.3	9.4	18.6	28.0	1.1
13	15.2	22.2	18.3	86.3	0.0	0.0	0.0	4.4
14	14.0	22.0	17.3	85.0	10.6	2.5	13.1	2.8
15	15.4	22.1	18.0	84.3	0.0	0.0	0.0	4.4
16	14.0	22.0	17.2	81.0	0.0	0.0	0.0	4.6
17	15.5	23.0	18.7	80.3	0.0	7.5	7.5	4.4
18	15.3	23.1	18.0	82.3	0.0	0.0	0.0	3.9
19	14.2	23.0	18.9	81.7	0.0	0.0	0.0	5.2
20	15.0	22.0	17.4	81.7	0.0	0.0	0.0	2.8
21	14.8	22.2	17.7	84.7	0.0	0.0	0.0	1.7
22	15.0	23.0	18.9	83.3	1.1	0.0	1.1	2.4
23	15.2	24.0	18.6	79.7	0.0	0.0	0.0	4.2
24	16.1	20.0	18.1	88.7	0.0	0.0	0.0	0.0
25	15.8	20.5	17.2	93.0	2.6	6.9	9.5	.2
26	16.0	21.9	17.4	88.3	3.6	.7	4.3	1.0
27	14.8	23.0	18.4	85.0	.4	0.0	.4	3.0
28	15.2	23.4	17.2	90.0	.3	0.0	.3	2.5
29	14.0	24.2	18.8	80.7	0.0	0.0	0.0	6.6
30	14.7	23.6	18.9	79.0	0.0	0.0	0.0	6.8
31	15.0	24.0	19.2	79.0	0.0	0.0	0.0	5.0
Total :					110.7	44.7	155.4	97.1
Promedio :	15.1	22.6	18.2	84.9				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.5	24.0	19.0	80.7	.2	0.0	.2	6.4
2	16.3	21.2	17.6	90.0	8.9	.2	9.1	.8
3	15.1	22.2	18.0	88.7	7.2	1.4	8.6	1.1
4	15.6	22.0	18.2	86.0	3.0	0.0	3.0	1.8
5	14.0	23.1	18.4	85.7	0.0	.3	.3	5.3
6	16.7	23.0	18.9	86.7	.4	16.7	17.1	2.3
7	16.5	20.2	18.3	86.0	3.1	0.0	3.1	.1
8	15.2	23.4	18.5	80.3	0.0	0.0	0.0	5.8
9	16.0	23.8	19.3	78.3	0.0	1.5	1.5	2.2
10	16.7	21.0	17.1	94.0	0.0	0.0	0.0	0.0
11	15.2	23.5	19.5	80.3	0.0	0.0	0.0	4.1
12	15.9	24.3	19.3	85.3	0.0	.7	.7	5.8
13	16.0	22.0	17.9	83.7	0.0	0.0	0.0	1.8
14	13.8	22.9	18.4	83.3	0.0	0.0	0.0	2.9
15	15.8	21.2	17.6	85.3	.6	0.0	.6	.1
16	15.7	21.8	18.7	83.7	.6	8.3	8.9	0.0
17	15.5	21.4	17.6	87.3	0.0	4.6	4.6	.3
18	15.2	20.2	17.0	91.3	7.2	.5	7.7	.1
19	14.8	24.2	19.4	80.7	.2	6.7	6.9	3.1
20	15.2	20.0	17.8	89.3	0.0	0.0	0.0	0.0
21	15.9	22.7	18.8	87.3	.1	5.0	5.1	1.9
22	16.0	22.0	17.6	86.3	11.6	0.0	11.6	.2
23	15.8	20.0	18.3	89.7	.7	13.7	14.4	.1
24	15.8	20.5	17.6	90.3	1.3	0.0	1.3	.3
25	16.0	23.0	19.0	84.3	0.0	0.0	0.0	2.2
26	15.4	24.3	19.6	80.0	0.0	0.0	0.0	5.8
27	15.5	23.5	19.3	83.3	9.7	0.0	9.7	5.0
28	16.0	22.6	18.5	87.3	.7	3.0	3.7	1.8
29								
30								
31								
Total :					55.5	62.6	118.1	61.3
Promedio :	15.6	22.3	18.4	85.5				

Estación : GRANJA TIBACUY
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : TIBACUY

Latitud : 4 ° 22 'N
Longitud : 74 ° 26 'W
Altitud : 1550 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.5	23.1	18.9	89.3	15.6	1.0	16.6	2.0
2	16.2	22.0	18.9	87.3	2.7	1.9	4.6	.6
3	16.0	23.2	18.9	83.3	0.0	13.6	13.6	1.7
4	15.1	22.5	18.1	79.7	0.0	0.0	0.0	.9
5	14.4	23.1	18.8	82.3	0.0	0.0	0.0	3.3
6	15.0	25.0	19.0	79.3	0.0	0.0	0.0	6.1
7	15.5	24.0	19.3	81.3	0.0	0.0	0.0	4.9
8	14.5	24.4	19.6	74.7	0.0	0.0	0.0	5.7
9	15.9	23.0	19.6	82.3	0.0	23.0	23.0	2.6
10	15.8	23.1	18.4	83.3	0.0	0.0	0.0	3.2
11	15.4	24.7	19.6	77.0	0.0	0.0	0.0	5.6
12	17.0	22.1	18.8	81.7	0.0	0.0	0.0	.7
13	14.8	23.0	17.8	81.0	0.0	0.0	0.0	1.5
14	15.5	26.0	20.0	72.3	0.0	0.0	0.0	2.4
15	16.5	23.9	19.2	76.7	0.0	4.3	4.3	2.2
16	15.5	24.0	19.0	81.0	.6	.1	.7	4.7
17	15.0	24.4	20.4	74.7	0.0	14.9	14.9	5.6
18	15.2	23.1	18.5	84.7	0.0	0.0	0.0	5.8
19	15.8	24.0	19.0	83.7	0.0	0.0	0.0	3.9
20	16.0	23.0	19.4	87.0	14.3	1.4	15.7	1.1
21	16.1	23.0	18.5	89.3	8.1	.3	8.4	.7
22	15.5	22.0	18.8	89.7	0.0	0.0	0.0	1.4
23	15.0	24.0	19.5	80.3	0.0	0.0	0.0	3.4
24	16.6	23.8	19.6	79.3	0.0	0.0	0.0	2.1
25	16.0	25.5	20.2	81.0	0.0	0.0	0.0	3.1
26	15.8	26.0	20.0	80.3	0.0	0.0	0.0	4.4
27	16.6	25.0	20.5	74.7	0.0	.9	.9	2.7
28	16.8	24.3	19.3	82.3	17.9	0.0	17.9	2.0
29	17.0	21.5	18.4	87.0	.3	0.0	.3	1.1
30	15.3	25.5	20.2	77.7	0.0	0.0	0.0	7.4
31	17.0	24.0	19.8	78.7	0.0	0.0	0.0	3.0
Total					59.5	61.4	120.9	95.8
Promedio :	15.8	23.7	19.2	81.4				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.5	24.2	19.6	78.3	.4	0.0	.4	3.7
2	16.3	23.6	19.6	86.3	0.0	0.0	0.0	2.6
3	16.5	26.5	20.3	75.3	0.0	1.0	1.0	3.0
4	16.7	23.2	18.8	85.0	21.2	5.3	26.5	1.9
5	15.0	24.4	18.5	81.0	0.0	1.4	1.4	4.4
6	16.8	23.8	19.0	83.0	0.0	.3	.3	2.4
7	16.5	22.0	19.2	80.7	0.0	1.1	1.1	.1
8	16.6	23.4	19.4	88.3	.1	26.9	27.0	2.6
9	16.2	21.0	17.4	89.0	2.9	1.2	4.1	.7
10	15.8	21.5	18.4	90.3	13.2	.7	13.9	.6
11	15.5	23.5	18.2	84.7	.5	0.0	.5	2.9
12	16.4	24.5	19.8	79.0	0.0	1.1	1.1	3.0
13	16.6	24.1	19.6	82.0	0.0	0.0	0.0	5.3
14	15.6	24.9	19.1	82.7	6.1	.2	6.3	3.5
15	16.8	24.0	19.3	81.3	0.0	0.0	0.0	2.5
16	15.9	24.8	18.9	77.3	0.0	0.0	0.0	5.3
17	15.8	25.2	19.7	69.3	0.0	0.0	0.0	7.3
18	16.0	25.0	19.1	73.3	0.0	0.0	0.0	4.1
19	15.8	25.9	19.6	70.3	.2	0.0	.2	5.7
20	16.5	24.0	19.0	83.0	0.0	0.0	0.0	.9
21	17.0	24.5	19.6	74.0	0.0	0.0	0.0	4.8
22	16.2	25.6	21.2	71.7	0.0	.1	.1	6.4
23	17.4	23.5	19.8	83.7	1.0	0.0	1.0	.7
24	16.0	23.0	18.4	85.0	6.7	.8	7.5	1.4
25	16.1	22.5	17.8	87.3	4.3	.1	4.4	1.1
26	16.3	24.0	18.5	83.0	8.6	1.6	10.2	1.7
27	14.6	20.3	16.6	86.7	5.3	0.0	5.3	1.0
28	14.4	21.7	16.9	87.0	0.0	.5	.5	1.1
29	14.8	24.2	19.8	74.7	0.0	0.0	0.0	5.4
30	15.0	20.2	16.8	85.7	.3	0.0	.3	.6
31								
Total					70.8	42.3	113.1	86.7
Promedio :	16.1	23.6	18.9	81.3				

Estación : GRANJA TIBACUY
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : TIBACUY

Latitud : 4 ° 22 'N
Longitud : 74 ° 26 'W
Altitud : 1550 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.0	24.5	18.6	81.7	2.3	0.0	2.3	6.4
2	15.0	22.5	18.1	84.3	5.9	0.0	5.9	2.0
3	15.5	24.2	19.3	82.3	0.0	0.0	0.0	4.5
4	15.1	19.2	16.8	89.7	13.5	0.0	13.5	0.0
5	14.5	25.6	19.1	70.7	1.0	0.0	1.0	7.8
6	15.2	23.2	18.8	79.7	0.0	0.0	0.0	3.3
7	15.9	23.0	17.9	80.0	0.0	0.0	0.0	.8
8	15.0	23.5	18.6	75.3	.2	1.1	1.3	2.8
9	15.5	23.0	18.6	81.3	.8	0.0	.8	.9
10	16.0	24.5	19.5	78.7	0.0	5.6	5.6	4.8
11	16.3	20.0	17.7	92.7	.1	0.0	.1	.3
12	15.0	21.2	17.8	78.0	.3	0.0	.3	2.3
13	15.2	18.8	16.7	95.0	2.5	0.0	2.5	.2
14	15.0	24.4	19.2	73.0	0.0	0.0	0.0	6.1
15	15.1	24.0	18.7	76.0	0.0	0.0	0.0	3.7
16	14.8	25.5	19.9	66.7	0.0	0.0	0.0	6.4
17	14.9	24.3	19.0	69.7	0.0	0.0	0.0	6.3
18	15.1	23.0	18.9	80.3	0.0	1.2	1.2	2.6
19	14.9	24.5	18.2	81.3	0.0	0.0	0.0	4.5
20	15.0	24.0	18.5	83.7	1.9	0.0	1.9	3.3
21	14.0	23.9	18.6	80.7	0.0	0.0	0.0	2.6
22	15.0	23.7	19.0	78.3	0.0	0.0	0.0	2.7
23	16.0	25.0	20.1	64.7	0.0	0.0	0.0	5.5
24	15.6	25.7	19.7	71.3	0.0	0.0	0.0	4.0
25	15.2	24.1	19.2	81.0	0.0	0.0	0.0	3.4
26	15.0	24.6	20.2	76.0	0.0	0.0	0.0	6.6
27	16.6	25.1	20.0	73.0	0.0	0.0	0.0	3.8
28	17.0	24.8	20.4	67.3	0.0	3.4	3.4	1.2
29	16.5	22.3	18.1	84.0	.3	1.5	1.8	1.2
30	15.5	24.3	19.3	81.7	0.0	0.0	0.0	4.5
31	16.0	24.6	19.5	74.3	0.0	0.0	0.0	2.5
Total :					28.8	12.8	41.6	107.0
Promedio :	15.3	23.6	18.8	78.5				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.8	25.0	20.8	61.3	0.0	.2	.2	4.8
2	16.2	23.5	18.9	85.7	0.0	0.0	0.0	1.5
3	15.7	25.2	20.0	74.7	.1	.1	.2	4.3
4	16.3	22.3	18.1	90.3	4.1	.4	4.5	.5
5	15.5	21.0	18.0	90.3	0.0	.4	.4	.8
6	15.2	24.2	17.9	83.0	.7	0.0	.7	2.9
7	16.0	23.5	19.6	84.7	.5	19.3	19.8	3.5
8	15.2	22.5	18.0	92.0	1.0	0.0	1.0	1.3
9	15.0	22.1	18.0	84.3	0.0	0.0	0.0	2.7
10	15.0	26.0	19.8	76.0	0.0	0.0	0.0	6.8
11	15.7	23.2	18.2	83.7	0.0	4.0	4.0	2.4
12	15.8	23.1	18.0	86.7	0.0	0.0	0.0	4.4
13	15.6	22.0	17.4	89.0	6.3	0.0	6.3	2.6
14	15.1	22.6	19.2	83.0	0.0	1.2	1.2	2.1
15	15.8	20.0	17.8	86.3	0.0	0.0	0.0	.8
16	14.7	23.2	17.7	89.7	3.0	0.0	3.0	3.1
17	15.3	23.8	19.1	80.0	0.0	0.0	0.0	5.9
18	15.3	19.6	16.7	95.3	6.0	0.0	6.0	.4
19	14.0	23.1	18.2	83.0	0.0	0.0	0.0	1.4
20	15.2	23.8	17.7	90.7	0.0	0.0	0.0	2.2
21	16.0	20.2	17.5	90.7	0.0	0.0	0.0	.2
22	15.0	23.2	18.0	85.7	0.0	.6	.6	2.1
23	14.7	20.8	16.8	87.7	.5	0.0	.5	.3
24	14.3	23.9	18.8	72.3	0.0	0.0	0.0	2.9
25	15.8	24.0	18.2	78.0	0.0	0.0	0.0	2.5
26	15.0	24.1	18.7	79.3	.4	2.0	2.4	4.1
27	15.5	23.0	19.0	81.3	.6	1.5	2.1	.8
28	15.8	21.2	16.9	89.3	0.0	0.0	0.0	1.4
29	14.2	23.0	18.1	82.3	0.0	0.0	0.0	3.8
30	14.0	24.5	18.8	76.3	0.0	0.0	0.0	7.4
31								
Total :					23.2	29.7	52.9	79.9
Promedio :	15.3	22.9	18.3	83.8				

Estación : GRANJA TIBACUY
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : TIBACUY

Latitud : 4 ° 22 'N
Longitud : 74 ° 26 'W
Altitud : 1550 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.5	19.8	16.8	80.3	.1	.1	.2	.3
2	13.9	22.7	18.4	75.3	0.0	0.0	0.0	3.1
3	14.3	23.8	19.3	75.7	0.0	.6	.6	4.5
4	15.0	22.7	17.7	81.7	0.0	0.0	0.0	4.2
5	13.0	23.2	17.8	77.7	0.0	0.0	0.0	3.0
6	15.0	23.7	18.9	75.7	.3	0.0	.3	4.5
7	15.5	21.2	17.6	92.0	.1	0.0	.1	1.8
8	15.2	21.6	17.9	86.0	.7	0.0	.7	.5
9	13.8	23.8	17.2	75.0	0.0	0.0	0.0	6.6
10	12.5	24.1	19.2	70.3	0.0	0.0	0.0	6.7
11	16.0	23.4	19.6	68.0	0.0	0.0	0.0	3.7
12	15.0	24.9	18.5	77.3	0.0	0.0	0.0	6.5
13	14.0	23.9	18.8	79.3	0.0	0.0	0.0	3.2
14	15.8	25.0	19.7	69.7	0.0	0.0	0.0	6.2
15	13.8	26.0	19.4	67.7	0.0	0.0	0.0	8.0
16	15.0	25.2	18.6	71.0	0.0	0.0	0.0	4.3
17	14.9	25.0	19.7	77.0	0.0	0.0	0.0	4.3
18	17.0	24.8	19.4	73.3	0.0	0.0	0.0	4.6
19	16.6	26.2	20.5	71.7	0.0	0.0	0.0	6.3
20	16.7	23.8	19.6	81.3	0.0	0.0	0.0	2.1
21	15.2	25.1	19.7	74.3	0.0	0.0	0.0	6.0
22	16.0	22.3	17.8	85.3	.8	0.0	.8	.8
23	14.8	22.8	18.6	74.3	0.0	0.0	0.0	.6
24	15.7	24.8	20.7	69.7	0.0	0.0	0.0	3.9
25	16.0	25.0	19.9	78.3	0.0	0.0	0.0	4.9
26	15.9	24.8	19.3	76.7	0.0	7.3	7.3	3.6
27	15.6	23.1	18.2	84.3	0.0	0.0	0.0	1.9
28	14.7	25.3	20.0	67.0	1.3	0.0	1.3	6.9
29	15.0	21.0	17.6	85.3	0.0	0.0	0.0	.5
30	15.3	26.0	20.3	74.0	.2	3.0	3.2	6.7
31	15.2	23.0	17.4	88.3	.9	1.5	2.4	1.6
Total :					4.4	12.5	16.9	121.8
Promedio :	15.1	23.8	18.8	76.9				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.5	21.6	16.5	93.7	2.7	0.0	2.7	.9
2	14.0	23.2	17.8	72.7	0.0	0.0	0.0	2.6
3	13.9	23.3	18.2	72.0	.3	0.0	.3	1.7
4	13.5	24.0	18.4	68.0	0.0	0.0	0.0	4.3
5	14.0	24.3	19.3	66.7	0.0	0.0	0.0	4.1
6	15.1	27.0	20.9	66.0	0.0	0.0	0.0	7.0
7	16.8	23.4	18.5	88.7	8.1	.9	9.0	1.7
8	15.7	23.0	18.8	78.7	0.0	3.6	3.6	1.3
9	15.6	22.0	16.2	95.0	1.5	0.0	1.5	3.3
10	15.0	23.2	19.2	71.7	0.0	0.0	0.0	3.9
11	15.4	25.3	19.5	71.0	0.0	0.0	0.0	5.2
12	14.8	23.1	18.8	73.3	0.0	0.0	0.0	1.1
13	15.7	23.4	19.2	76.3	0.0	0.0	0.0	1.9
14	14.9	25.0	19.2	76.7	.2	0.0	.2	3.6
15	14.7	23.0	18.5	80.7	0.0	1.1	1.1	2.8
16	14.3	24.7	19.5	74.3	0.0	0.0	0.0	3.8
17	16.0	26.2	21.3	54.3	0.0	1.6	1.6	6.4
18	15.0	27.5	21.2	60.0	0.0	0.0	0.0	8.3
19	15.1	26.8	20.2	59.0	0.0	0.0	0.0	6.5
20	15.5	25.0	19.6	70.3	0.0	4.5	4.5	4.7
21	16.0	24.0	19.7	69.0	0.0	0.0	0.0	.4
22	14.9	23.5	18.5	83.7	.8	0.0	.8	2.4
23	14.8	25.1	20.6	65.3	.5	4.6	5.1	5.6
24	14.9	26.0	19.0	75.3	0.0	0.0	0.0	3.3
25	16.5	24.0	19.3	75.7	.3	3.7	4.0	.5
26	14.9	23.6	19.0	79.3	0.0	1.7	1.7	1.8
27	16.0	23.9	19.8	74.0	0.0	1.4	1.4	.7
28	15.4	24.4	18.8	80.3	1.2	0.0	1.2	3.9
29	15.9	26.2	20.2	74.0	0.0	.1	.1	5.5
30	16.1	27.2	20.8	67.7	0.0	0.0	0.0	5.8
31	15.1	26.5	20.9	60.3	0.0	0.0	0.0	4.6
Total :					15.6	23.2	38.8	109.6
Promedio :	15.2	24.5	19.3	73.3				

Estación : GRANJA TIBACUY
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : TIBACUY

Latitud : 4 ° 22 'N
Longitud : 74 ° 26 'W
Altitud : 1550 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	24.0	18.8	83.3	.2	0.0	.2	.3
2	16.0	24.8	19.7	74.3	0.0	1.0	1.0	4.3
3	15.8	24.0	19.3	76.7	0.0	.2	.2	3.3
4	16.0	24.5	18.9	77.7	.1	0.0	.1	2.8
5	16.7	23.0	18.4	81.0	0.0	.2	.2	.7
6	14.2	26.1	20.2	67.3	0.0	0.0	0.0	3.0
7	16.2	27.0	22.2	62.7	0.0	0.0	0.0	6.8
8	16.3	24.7	19.2	82.0	.4	0.0	.4	2.5
9	15.0	25.0	19.9	73.0	0.0	6.0	6.0	2.2
10	16.5	21.5	17.2	96.3	7.8	8.3	16.1	1.9
11	15.5	23.2	18.3	78.0	.3	2.3	2.6	2.0
12	16.0	21.0	17.8	93.7	.2	13.1	13.3	1.2
13	15.8	24.5	19.6	81.3	.5	0.0	.5	5.2
14	16.0	23.2	20.8	76.7	.3	0.0	.3	.3
15	16.0	24.0	19.6	76.0	.1	.1	.2	3.4
16	15.5	25.0	20.3	80.7	0.0	1.0	1.0	5.0
17	16.3	21.5	17.7	91.0	0.0	0.0	0.0	.5
18	14.5	23.0	18.7	78.3	0.0	0.0	0.0	1.3
19	15.5	24.0	19.4	78.7	0.0	0.0	0.0	1.0
20	15.0	26.2	21.0	63.3	0.0	0.0	0.0	5.8
21	16.2	24.0	19.9	74.7	0.0	.9	.9	.4
22	16.5	22.4	19.2	77.3	0.0	2.1	2.1	1.0
23	16.0	21.3	17.6	78.0	0.0	0.0	0.0	1.3
24	15.0	24.0	18.6	78.7	0.0	0.0	0.0	.2
25	14.8	22.5	19.0	86.7	0.0	.5	.5	2.6
26	16.0	22.4	18.7	82.7	.8	15.3	16.1	2.4
27	16.1	19.0	17.1	94.7	2.9	3.3	6.2	0.0
28	16.0	20.0	17.5	90.0	4.5	.3	4.8	.5
29	14.6	22.1	18.2	77.7	0.0	0.0	0.0	3.9
30	15.0	22.0	19.2	76.0	0.0	0.0	0.0	2.3
31								
Total :					18.1	54.6	72.7	68.1
Promedio :	15.7	23.3	19.1	79.6				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.5	23.5	18.0	86.3	2.7	15.4	18.1	2.7
2	15.0	22.0	16.7	87.3	1.4	3.3	4.7	2.2
3	15.1	24.5	18.6	72.3	0.0	17.8	17.8	2.4
4	16.2	22.5	18.2	82.3	.3	1.1	1.4	2.3
5	16.0	24.0	18.8	79.7	.1	3.0	3.1	3.3
6	15.7	22.7	19.2	78.7	.3	6.9	7.2	.5
7	13.5	23.5	18.2	82.0	1.1	1.2	2.3	6.8
8	15.0	22.8	19.0	82.7	0.0	.3	.3	7.0
9	15.2	22.0	16.6	91.0	5.8	0.0	5.8	3.3
10	15.8	22.5	19.5	72.0	0.0	0.0	0.0	4.9
11	15.3	22.4	18.7	86.0	0.0	0.0	0.0	3.9
12	15.0	22.7	18.4	87.7	3.1	0.0	3.1	2.7
13	15.1	23.0	19.0	83.0	0.0	0.0	0.0	4.1
14	14.9	23.1	19.2	76.7	0.0	0.0	0.0	5.9
15	16.8	24.6	19.4	77.7	0.0	0.0	0.0	3.0
16	17.0	22.0	18.8	77.0	0.0	0.0	0.0	.5
17	15.0	22.5	17.7	81.7	0.0	0.0	0.0	1.4
18	14.5	23.5	20.0	74.0	0.0	0.0	0.0	6.5
19	15.0	22.5	18.9	75.3	0.0	0.0	0.0	1.9
20	15.5	24.0	19.2	79.7	0.0	.1	.1	2.4
21	17.0	24.5	19.2	82.7	.2	22.9	23.1	4.5
22	15.4	23.8	18.8	85.3	1.0	6.5	7.5	3.2
23	15.2	22.2	18.0	86.7	.5	.1	.6	.9
24	16.5	21.5	18.3	89.3	.1	20.9	21.0	1.1
25	16.0	23.5	18.2	85.3	0.0	0.0	0.0	2.8
26	15.6	22.7	19.4	81.7	0.0	.6	.6	2.9
27	16.5	22.3	18.6	89.0	30.4	2.1	32.5	1.7
28	15.4	21.5	17.8	95.3	7.4	3.5	10.9	2.5
29	14.8	21.6	18.7	89.3	0.0	.3	.3	3.9
30	15.0	17.4	16.2	95.3	5.1	0.0	5.1	0.0
31	14.8	23.0	18.2	85.3	0.0	0.0	0.0	6.2
Total :					59.5	106.0	165.5	97.4
Promedio :	15.4	22.7	18.5	83.2				

Estación : GRANJA TIBACUY
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : TIBACUY

Latitud : 4 ° 22 'N
Longitud : 74 ° 26 'W
Altitud : 1550 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	23.0	19.2	87.7	0.0	0.0	0.0	4.1
2	16.0	24.0	19.4	83.0	16.8	35.9	52.7	5.3
3	15.5	21.2	18.8	86.0	2.2	1.0	3.2	1.6
4	15.2	22.0	19.5	78.0	.4	1.2	1.6	2.8
5	16.7	22.8	20.2	86.7	0.0	0.0	0.0	2.4
6	15.0	23.8	19.9	73.3	0.0	0.0	0.0	5.9
7	16.0	24.0	18.9	85.7	0.0	4.6	4.6	3.3
8	16.2	21.7	18.3	91.3	0.0	0.0	0.0	.6
9	15.1	23.7	18.9	83.0	0.0	0.0	0.0	5.2
10	16.0	24.0	20.1	76.3	0.0	.4	.4	4.1
11	16.7	20.6	18.6	89.7	2.1	0.0	2.1	.6
12	15.8	23.0	18.7	91.3	1.5	4.4	5.9	.9
13	16.0	22.8	18.6	85.0	3.9	0.0	3.9	1.9
14	15.0	24.2	19.8	81.3	0.0	0.0	0.0	9.0
15	16.9	23.0	18.6	84.3	11.5	0.0	11.5	4.3
16	15.0	24.5	19.7	79.7	0.0	16.7	16.7	7.1
17	16.0	23.0	18.0	93.7	17.9	.9	18.8	4.3
18	15.5	18.8	16.8	95.7	8.1	3.7	11.8	0.0
19	15.0	21.0	17.6	93.0	0.0	.5	.5	1.5
20	15.8	21.6	18.5	90.7	2.9	0.0	2.9	1.9
21	16.5	22.0	17.8	94.3	1.1	0.0	1.1	1.5
22	16.3	21.0	18.6	92.0	1.6	8.2	9.8	0.0
23	15.5	23.0	19.2	87.3	3.8	1.0	4.8	2.7
24	15.2	22.0	17.4	93.3	2.0	0.0	2.0	4.2
25	15.5	23.0	17.8	90.0	10.1	.7	10.8	.9
26	14.8	21.0	17.2	93.0	0.0	7.0	7.0	2.9
27	16.0	20.0	17.8	92.0	.5	.6	1.1	.7
28	15.0	23.0	18.8	82.7	0.0	0.0	0.0	6.2
29	14.8	24.5	19.7	81.3	0.0	0.0	0.0	7.4
30	15.0	24.0	18.9	91.7	.4	4.9	5.3	3.8
31								
Total :					86.8	91.7	178.5	97.1
Promedio :	15.7	22.5	18.7	87.1				

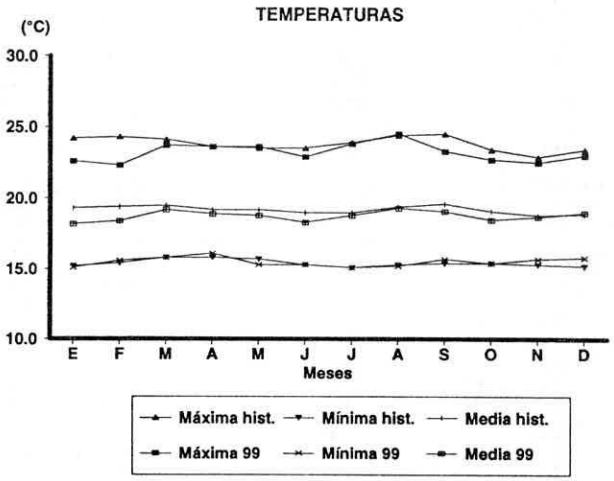
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.5	22.0	18.2	91.3	0.0	0.0	0.0	.8
2	15.8	23.0	19.2	90.3	3.4	6.4	9.8	2.7
3	16.0	22.0	19.1	90.0	0.0	.4	.4	1.5
4	15.8	24.0	20.0	83.7	.4	0.0	.4	2.7
5	15.7	23.0	19.6	86.3	0.0	0.0	0.0	4.3
6	16.0	23.0	18.8	92.3	1.2	3.2	4.4	3.3
7	15.5	20.2	18.2	95.3	0.0	0.0	0.0	.2
8	16.5	23.5	19.4	89.7	0.0	0.0	0.0	5.4
9	16.0	23.2	19.8	85.7	0.0	0.0	0.0	3.5
10	16.1	24.5	19.6	85.3	0.0	.1	.1	4.4
11	16.5	22.5	18.4	93.7	1.8	0.0	1.8	2.9
12	15.5	25.0	18.6	89.3	.4	22.8	23.2	2.6
13	17.0	21.0	18.6	89.7	3.3	2.9	6.2	.1
14	17.7	24.0	19.5	89.3	0.0	0.0	0.0	4.5
15	16.2	22.5	19.3	91.3	0.0	1.4	1.4	2.3
16	17.0	21.5	18.6	91.0	1.4	0.0	1.4	.6
17	16.0	21.0	18.4	92.7	0.0	0.0	0.0	.2
18	15.5	24.2	19.2	87.3	0.0	0.0	0.0	2.6
19	16.5	24.0	19.4	86.0	0.0	0.0	0.0	3.5
20	15.5	23.5	19.3	92.3	7.7	0.0	7.7	4.7
21	17.0	23.8	20.7	90.3	.3	0.0	.3	3.7
22	14.8	24.0	18.9	86.3	23.3	0.0	23.3	6.6
23	15.0	23.5	19.2	88.7	.7	8.9	9.6	7.7
24	14.0	23.2	19.0	88.7	.8	16.8	17.6	4.8
25	15.5	23.0	18.6	88.0	0.0	0.0	0.0	2.2
26	15.0	24.0	18.6	87.3	0.0	0.0	0.0	4.9
27	16.2	22.8	18.1	91.7	7.0	0.0	7.0	3.1
28	14.7	23.0	18.7	84.7	0.0	0.0	0.0	4.8
29	14.5	21.4	17.4	91.3	0.0	0.0	0.0	2.3
30	15.0	23.5	18.8	84.3	0.0	0.0	0.0	6.9
31	14.8	24.0	18.8	85.7	0.0	0.0	0.0	7.0
Total :					51.7	62.9	114.6	106.8
Promedio :	15.8	23.0	19.0	89.0				

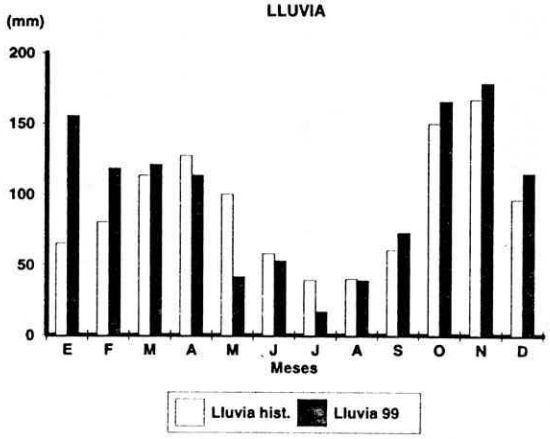
Estación : GRANJA TIBACUY
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : TIBACUY

Latitud : 4 ° 22 'N
Longitud : 74 ° 26 'W
Altitud : 1550 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	15.1	22.6	18.2	25.0	14.0	84.9	155.4	18	97.1
Febrero	15.6	22.3	18.4	24.3	13.8	85.5	118.1	20	61.3
Marzo	15.8	23.7	19.2	26.0	14.4	81.4	120.9	12	95.8
Abril	16.1	23.6	18.9	26.5	14.4	81.3	113.1	21	86.7
Mayo	15.3	23.6	18.8	25.7	14.0	78.5	41.6	14	107.0
Junio	15.3	22.9	18.3	26.0	14.0	83.8	52.9	16	79.9
Julio	15.1	23.8	18.8	26.2	12.5	76.9	16.9	10	121.8
Agosto	15.2	24.5	19.3	27.5	13.5	73.3	38.8	16	109.6
Septiembre	15.7	23.3	19.1	27.0	14.2	79.6	72.7	20	68.1
Octubre	15.4	22.7	18.5	24.6	13.5	83.2	165.5	20	97.4
Noviembre	15.7	22.5	18.7	24.5	14.8	87.1	178.5	22	97.1
Diciembre	15.8	23.0	19.0	25.0	14.0	89.0	114.6	16	106.8
Promedio :	15.5	23.2	18.8			82.0			
Absoluta :				27.5	12.5				
Total :							1189.0	205	1128.6





Estación : JORGE VILLAMIL
Año : 1999

Dpto. : HUILA
Mpio. : GIGANTE

Latitud : 2 ° 20 'N
Longitud : 75 ° 31 'W
Altitud : 1500 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.2	25.0	20.3	79.7	.7	0.0	.7	3.8
2	17.2	24.0	19.2	82.0	.4	0.0	.4	1.1
3	16.2	23.6	19.3	85.7	3.4	.5	3.9	1.3
4	16.6	23.8	19.3	87.7	.8	4.4	5.2	4.6
5	16.9	23.9	19.7	85.0	0.0	3.8	3.8	5.0
6	16.8	24.6	20.4	73.3	0.0	.3	.3	6.9
7	16.4	24.0	19.6	78.3	0.0	9.4	9.4	4.1
8	16.8	23.0	18.8	83.7	8.8	0.0	8.8	1.2
9	17.2	26.0	20.0	75.3	0.0	.2	.2	4.7
10	17.8	24.2	19.4	84.7	.7	31.6	32.3	1.8
11	16.2	20.8	17.7	89.3	3.5	0.0	3.5	.1
12	14.0	22.0	18.2	85.0	0.0	0.0	0.0	2.5
13	16.2	22.9	19.4	82.0	0.0	.8	.8	2.3
14	17.0	22.8	19.0	83.7	0.0	1.5	1.5	3.9
15	16.5	22.1	19.2	80.3	0.0	0.0	0.0	1.5
16	16.3	23.0	18.8	80.7	0.0	.8	.8	4.2
17	16.9	24.0	19.5	78.7	0.0	2.8	2.8	5.4
18	17.0	22.2	18.7	84.7	10.7	0.0	10.7	.9
19	16.8	23.6	18.1	86.7	19.2	0.0	19.2	.8
20	16.4	23.6	19.2	79.7	1.0	.1	1.1	2.2
21	17.0	22.0	18.1	84.3	1.1	0.0	1.1	.8
22	16.2	24.2	19.0	80.0	1.4	2.2	3.6	3.5
23	17.0	23.8	19.4	78.3	1.7	0.0	1.7	2.3
24	17.6	21.4	18.7	80.7	5.3	.3	5.6	.2
25	17.0	22.6	18.8	84.7	3.5	.5	4.0	.3
26	17.1	24.6	20.2	80.7	2.3	.2	2.5	2.2
27	17.9	23.8	19.7	84.0	1.0	0.0	1.0	1.1
28	16.0	26.0	19.6	75.7	6.9	0.0	6.9	3.0
29	17.0	26.6	19.5	77.7	5.6	0.0	5.6	4.6
30	16.4	26.2	19.6	70.7	9.6	0.0	9.6	4.2
31	16.2	27.8	21.7	65.7	0.0	0.0	0.0	6.1
Total :					87.6	59.4	147.0	86.6
Promedio :	16.7	23.8	19.3	80.9				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.4	27.9	21.2	72.0	.8	1.2	2.0	5.9
2	17.4	25.2	19.4	80.7	22.8	.3	23.1	2.2
3	17.0	26.0	18.8	81.3	.2	0.0	.2	3.5
4	16.4	23.5	19.6	70.0	0.0	0.0	0.0	.5
5	16.8	25.0	20.1	73.7	0.0	0.0	0.0	2.4
6	17.0	24.0	19.5	81.7	7.5	0.0	7.5	.8
7	16.8	24.8	20.1	78.7	0.0	0.0	0.0	2.4
8	16.4	25.2	21.5	71.0	0.0	0.0	0.0	1.8
9	18.0	26.4	20.1	68.3	.2	0.0	.2	1.8
10	17.0	20.0	18.0	84.3	2.4	0.0	2.4	0.0
11	16.2	25.3	20.2	66.3	0.0	0.0	0.0	2.0
12	17.2	26.8	19.8	70.7	9.7	0.0	9.7	2.6
13	17.0	21.0	18.5	83.0	4.4	0.0	4.4	0.0
14	16.2	24.0	18.4	81.3	1.8	1.5	3.3	1.1
15	16.5	20.6	17.7	93.0	3.9	.2	4.1	.6
16	16.4	26.0	19.1	79.0	8.8	20.1	28.9	2.1
17	15.2	23.8	18.5	82.3	1.0	9.8	10.8	2.3
18	16.0	20.0	17.5	90.0	6.5	.2	6.7	0.0
19	16.2	23.0	18.0	87.0	8.8	.2	9.0	.8
20	16.1	20.4	17.8	92.0	6.8	0.0	6.8	1.3
21	16.0	23.9	19.8	78.0	0.0	6.8	6.8	2.8
22	16.4	19.4	17.4	90.0	.2	.1	.3	.5
23	15.2	22.6	18.2	90.3	4.8	32.1	36.9	1.5
24	15.2	22.4	18.6	82.3	10.3	0.0	10.3	1.0
25	15.8	22.8	18.4	92.7	12.1	.6	12.7	1.6
26	16.0	26.2	20.5	81.7	.5	.8	1.3	2.6
27	16.2	24.4	20.3	82.3	0.0	0.0	0.0	5.5
28	17.6	25.0	20.1	85.0	0.0	1.2	1.2	4.3
29								
30								
31								
Total :					113.5	75.1	188.6	53.9
Promedio :	16.5	23.8	19.2	81.0				

Estación : JORGE VILLAMIL
Año : 1999

Dpto. : HUILA
Mpio. : GIGANTE

Latitud : 2 ° 20 'N
Longitud : 75 ° 31 'W
Altitud : 1500 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.2	23.0	18.9	84.7	1.2	0.0	1.2	1.8
2	16.0	23.8	19.8	81.7	0.0	0.0	0.0	4.1
3	15.4	23.2	19.1	79.3	0.0	7.6	7.6	2.3
4	16.2	23.0	19.7	82.0	0.0	.3	.3	1.2
5	16.4	25.4	19.2	82.3	0.0	0.0	0.0	3.7
6	16.4	25.2	20.2	82.0	0.0	0.0	0.0	4.6
7	16.0	25.6	20.3	79.3	0.0	0.0	0.0	5.4
8	17.0	26.0	20.9	72.3	0.0	.9	.9	7.7
9	17.2	24.0	18.8	86.7	15.3	0.0	15.3	2.2
10	16.6	26.5	20.8	75.0	0.0	0.0	0.0	5.4
11	16.2	26.8	20.7	70.0	0.0	.5	.5	3.7
12	16.0	23.2	19.4	81.0	0.0	0.0	0.0	.7
13	16.4	23.2	18.9	79.7	.2	0.0	.2	1.3
14	16.0	28.4	20.4	69.7	2.5	0.0	2.5	4.3
15	17.0	25.8	20.4	69.3	0.0	0.0	0.0	.9
16	16.2	22.2	18.9	90.7	10.0	0.0	10.0	1.2
17	15.4	26.8	20.8	76.7	0.0	2.0	2.0	3.2
18	17.0	23.4	19.4	87.7	4.2	0.0	4.2	2.4
19	16.4	25.0	19.0	86.7	6.4	3.6	10.0	2.8
20	16.0	22.8	19.0	85.3	.1	.1	.2	.5
21	16.4	21.8	18.0	93.0	40.5	7.0	47.5	.1
22	16.8	20.8	18.0	88.7	1.9	0.0	1.9	.7
23	16.0	25.0	20.2	79.0	0.0	0.0	0.0	.9
24	17.4	26.0	21.4	73.0	.3	0.0	.3	1.8
25	17.0	25.6	19.9	81.0	3.8	.5	4.3	2.1
26	17.6	24.4	19.9	77.7	.3	0.0	.3	.7
27	17.6	22.8	19.0	76.3	1.3	1.6	2.9	0.0
28	17.2	25.6	20.2	80.3	4.3	.8	5.1	4.2
29	17.2	24.0	19.2	86.3	13.8	1.9	15.7	1.7
30	16.4	26.2	20.2	76.7	5.9	2.2	8.1	4.3
31	17.0	23.0	20.0	82.7	2.1	0.0	2.1	.5
Total					114.1	29.0	143.1	76.4
Promedio :	16.5	24.5	19.7	80.5				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.8	25.0	20.4	78.3	3.4	0.0	3.4	.7
2	17.6	24.8	20.8	76.3	.1	0.0	.1	.6
3	17.2	25.5	20.2	81.0	3.3	0.0	3.3	1.6
4	17.6	26.6	22.0	73.0	0.0	10.9	10.9	2.7
5	16.0	25.4	20.4	75.0	.7	0.0	.7	3.4
6	17.4	25.0	20.6	75.7	0.0	0.0	0.0	1.7
7	17.2	26.0	21.0	69.7	.4	9.1	9.5	3.6
8	17.4	27.9	21.3	72.3	0.0	30.8	30.8	4.8
9	17.0	24.8	19.4	85.3	.5	5.3	5.8	1.5
10	16.2	22.2	17.8	91.3	16.4	1.4	17.8	.5
11	16.0	25.0	20.0	76.0	0.0	0.0	0.0	1.8
12	16.4	26.0	20.1	76.3	1.4	1.2	2.6	3.9
13	17.0	24.6	20.0	78.7	0.0	2.3	2.3	2.1
14	17.2	26.0	20.8	66.3	1.6	0.0	1.6	3.3
15	18.0	25.2	19.9	78.3	.6	0.0	.6	1.6
16	17.6	24.0	19.0	82.7	1.1	0.0	1.1	1.7
17	16.6	25.0	20.5	64.0	0.0	1.1	1.1	6.1
18	16.6	25.0	20.6	69.3	0.0	.1	.1	1.3
19	17.6	24.0	19.5	81.3	2.0	0.0	2.0	2.2
20	17.2	22.0	18.6	83.3	1.2	0.0	1.2	.8
21	17.0	25.0	20.4	71.0	.8	3.8	4.6	2.7
22	16.5	25.0	19.8	82.0	1.0	0.0	1.0	1.7
23	17.0	24.0	19.2	80.0	1.3	0.0	1.3	1.3
24	16.8	23.8	18.7	79.0	.5	0.0	.5	1.8
25	17.4	26.0	19.8	74.3	.5	0.0	.5	4.0
26	16.8	25.6	19.7	81.7	3.3	7.3	10.6	3.7
27	15.5	18.4	17.0	93.3	48.2	0.0	48.2	.6
28	15.2	20.5	17.6	88.7	1.6	0.0	1.6	0.0
29	16.1	27.0	20.7	68.3	0.0	4.4	4.4	5.6
30	15.8	21.2	17.6	78.3	.7	0.0	.7	.7
31								
Total					90.6	77.7	168.3	68.0
Promedio :	16.8	24.5	19.8	77.7				

Estación : JORGE VILLAMIL
Año : 1999

Dpto. : HUILA
Mpio. : GIGANTE

Latitud : 2 ° 20 'N
Longitud : 75 ° 31 'W
Altitud : 1500 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.2	23.5	19.0	78.7	3.2	0.0	3.2	1.1
2	16.0	26.4	19.8	71.3	2.6	0.0	2.6	3.5
3	16.5	24.8	19.4	81.3	1.9	0.0	1.9	3.2
4	16.0	21.0	18.2	86.0	0.0	0.0	0.0	0.0
5	14.0	27.1	20.9	71.3	0.0	24.5	24.5	5.9
6	15.6	24.0	18.6	85.7	6.2	.1	6.3	1.2
7	16.0	25.2	20.1	74.0	.5	0.0	.5	4.9
8	16.2	23.9	19.9	79.7	2.6	0.0	2.6	2.5
9	16.0	20.8	17.0	84.7	7.7	0.0	7.7	.2
10	13.8	25.2	20.2	79.3	0.0	9.9	9.9	7.1
11	15.8	19.0	16.8	90.0	6.9	.2	7.1	.2
12	15.2	25.8	18.8	80.7	5.5	1.6	7.1	3.3
13	15.8	21.2	18.2	84.7	13.4	0.0	13.4	.3
14	15.2	25.2	20.0	73.3	5.1	0.0	5.1	2.4
15	16.0	24.0	19.8	77.7	1.4	0.0	1.4	2.4
16	16.1	24.4	19.9	67.3	0.0	.3	.3	5.5
17	16.0	26.8	20.7	71.0	0.0	0.0	0.0	5.8
18	17.4	24.8	19.6	80.7	1.1	1.8	2.9	2.6
19	17.2	24.0	19.3	80.0	0.0	1.9	1.9	1.5
20	16.0	19.0	17.0	90.3	7.3	.1	7.4	0.0
21	15.5	23.4	18.2	82.0	1.1	0.0	1.1	1.2
22	15.4	25.4	19.7	73.0	0.0	1.7	1.7	5.0
23	16.8	23.8	19.4	79.0	1.0	0.0	1.0	2.3
24	17.4	25.6	19.3	76.7	6.3	.2	6.5	3.7
25	16.2	24.0	19.6	72.3	6.4	0.0	6.4	2.1
26	16.4	24.2	19.5	76.3	.6	0.0	.6	3.9
27	17.0	26.0	20.2	80.3	2.2	2.1	4.3	3.3
28	16.6	24.0	20.5	78.3	.3	31.3	31.6	2.4
29	16.0	25.4	19.9	79.3	1.4	2.0	3.4	5.0
30	16.2	23.1	18.4	79.3	6.0	0.0	6.0	2.0
31	16.0	26.6	20.2	69.0	0.0	0.0	0.0	5.9
Total :					90.7	77.7	168.4	90.4
Promedio :	16.0	24.1	19.3	78.5				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.8	27.4	21.1	68.0	0.0	7.4	7.4	5.0
2	16.3	24.0	19.8	82.0	5.0	0.0	5.0	2.2
3	15.2	23.6	18.6	79.0	.4	.1	.5	.3
4	16.0	20.0	17.9	85.3	8.0	4.1	12.1	0.0
5	15.6	22.0	18.0	85.3	3.5	0.0	3.5	.5
6	15.0	25.1	19.5	70.3	0.0	0.0	0.0	1.6
7	16.8	26.6	20.5	76.7	.3	.7	1.0	4.8
8	16.2	22.4	18.3	85.3	5.1	.1	5.2	.7
9	15.2	27.0	20.1	71.0	0.0	2.5	2.5	6.0
10	16.4	25.6	19.8	85.0	.5	7.7	8.2	3.3
11	16.0	23.8	18.6	82.0	0.0	0.0	0.0	2.2
12	16.4	25.4	19.1	81.7	1.5	1.8	3.3	3.7
13	16.0	20.4	18.0	89.0	5.4	0.0	5.4	0.0
14	16.1	25.4	19.5	71.3	1.0	0.0	1.0	6.7
15	15.8	26.2	20.2	73.3	.7	0.0	.7	0.0
16	17.0	26.0	20.2	79.3	1.2	3.5	4.7	4.0
17	16.8	26.4	20.2	76.0	.7	0.0	.7	4.2
18	16.6	24.4	19.2	79.3	4.3	0.0	4.3	1.6
19	16.0	25.2	20.0	80.0	1.1	.6	1.7	3.5
20	18.0	25.0	20.3	76.7	1.4	3.0	4.4	4.6
21	17.0	23.2	19.0	87.0	1.6	6.7	8.3	1.3
22	16.0	24.2	19.1	79.7	7.2	0.0	7.2	3.5
23	15.0	22.8	18.0	85.7	0.0	0.0	0.0	1.8
24	14.8	25.0	19.0	69.0	1.4	.3	1.7	3.9
25	16.0	25.6	19.3	80.0	2.8	.4	3.2	3.4
26	16.4	24.4	19.0	80.0	6.7	0.0	6.7	2.6
27	15.4	25.6	19.5	75.3	.7	0.0	.7	2.3
28	16.6	24.8	19.8	73.7	1.5	0.0	1.5	2.7
29	15.6	24.7	19.7	75.3	4.3	0.0	4.3	4.9
30	16.0	25.4	18.8	74.0	7.9	5.0	12.9	4.4
31								
Total					74.2	43.9	118.1	85.7
Promedio :	16.1	24.6	19.3	78.5				

Estación : JORGE VILLAMIL
Año : 1999

Dpto. : HUILA
Mpio. : GIGANTE

Latitud : 2 ° 20 'N
Longitud : 75 ° 31 'W
Altitud : 1500 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.2	21.0	17.2	83.0	1.6	0.0	1.6	0.0
2	14.8	24.8	18.5	80.7	1.0	.3	1.3	4.6
3	16.1	25.4	20.3	70.7	0.0	4.1	4.1	3.3
4	14.6	24.6	19.2	77.0	2.3	0.0	2.3	6.9
5	15.6	24.3	18.5	84.0	2.8	0.0	2.8	2.9
6	16.4	23.4	18.9	74.3	0.0	.4	.4	2.5
7	15.6	20.8	17.2	83.7	2.8	0.0	2.8	.8
8	15.8	22.4	18.0	74.3	0.0	0.0	0.0	.5
9	13.8	25.2	17.8	65.7	0.0	0.0	0.0	5.1
10	13.0	26.0	20.2	56.0	0.0	0.0	0.0	8.3
11	15.2	24.2	19.0	64.3	0.0	0.0	0.0	1.0
12	15.0	24.8	18.1	71.7	0.0	0.0	0.0	1.8
13	14.0	22.4	17.6	78.3	.3	0.0	.3	.9
14	14.7	24.0	19.5	72.0	.4	0.0	.4	4.4
15	15.4	26.2	19.8	64.3	0.0	.6	.6	2.9
16	16.4	25.0	19.4	72.3	0.0	0.0	0.0	2.7
17	16.1	26.0	20.6	68.0	0.0	0.0	0.0	4.1
18	16.0	26.4	20.7	64.3	0.0	0.0	0.0	6.1
19	14.8	27.0	20.2	67.7	0.0	1.6	1.6	4.1
20	16.0	24.6	19.7	77.7	7.9	2.8	10.7	2.2
21	15.9	26.2	19.8	74.0	0.0	0.0	0.0	4.7
22	16.2	24.8	19.3	78.3	.1	0.0	.1	1.5
23	17.0	25.0	19.6	74.7	2.3	0.0	2.3	3.3
24	15.6	24.2	19.8	79.7	2.3	20.9	23.2	1.9
25	15.0	23.0	18.1	86.7	2.4	0.0	2.4	1.5
26	15.2	23.8	18.4	81.0	.6	0.0	.6	.8
27	15.8	25.0	19.7	70.0	0.0	0.0	0.0	1.8
28	16.0	22.0	17.9	84.7	1.6	1.6	3.2	.9
29	15.4	20.8	18.0	88.0	1.7	.1	1.8	1.1
30	15.3	24.0	19.2	77.0	2.6	2.8	5.4	4.8
31	15.1	20.0	16.6	91.3	17.4	0.0	17.4	.1
Total :					50.1	35.2	85.3	87.5
Promedio :	15.4	24.1	18.9	75.3				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.8	20.0	16.6	85.0	.2	0.0	.2	.3
2	15.6	24.6	18.3	63.0	0.0	0.0	0.0	3.0
3	15.4	23.8	18.5	56.0	0.0	0.0	0.0	4.1
4	13.8	24.8	18.7	52.0	0.0	0.0	0.0	4.1
5	13.6	26.4	19.7	58.3	0.0	0.0	0.0	3.5
6	16.0	26.2	20.0	64.7	0.0	0.0	0.0	2.9
7	16.2	24.8	20.0	74.0	2.2	3.5	5.7	3.5
8	16.0	25.4	19.8	73.7	0.0	7.9	7.9	1.3
9	15.9	20.0	17.5	88.7	2.9	0.0	2.9	.1
10	15.4	23.6	18.3	70.3	0.0	0.0	0.0	3.0
11	15.2	22.6	18.5	70.0	0.0	0.0	0.0	.6
12	15.0	23.0	18.8	73.3	.1	.5	.6	.5
13	16.0	25.6	20.3	68.7	1.6	0.0	1.6	5.7
14	15.0	21.8	16.8	87.7	7.8	.4	8.2	.7
15	15.6	22.2	17.6	83.0	.6	.3	.9	1.7
16	15.0	22.0	16.8	75.0	0.0	0.0	0.0	1.3
17	12.8	26.2	19.2	60.3	0.0	0.0	0.0	8.7
18	14.0	28.2	21.0	54.3	0.0	0.0	0.0	9.6
19	14.6	27.5	20.9	58.3	0.0	0.0	0.0	8.9
20	15.0	23.1	19.4	70.0	0.0	0.0	0.0	3.1
21	15.2	24.2	20.1	65.0	0.0	0.0	0.0	3.3
22	14.8	28.2	21.1	59.7	0.0	0.0	0.0	6.7
23	14.2	29.0	21.2	60.3	0.0	0.0	0.0	8.0
24	16.0	25.1	19.2	76.3	2.3	0.0	2.3	2.7
25	16.6	27.8	20.8	65.3	0.0	.5	.5	4.1
26	16.4	28.0	20.4	70.3	0.0	0.0	0.0	3.5
27	16.6	27.4	20.2	62.3	0.0	0.0	0.0	2.2
28	17.0	26.4	21.0	64.3	0.0	0.0	0.0	1.4
29	17.6	28.0	20.4	74.7	1.9	0.0	1.9	4.2
30	15.4	28.6	21.6	60.3	0.0	0.0	0.0	5.5
31	15.0	26.2	21.2	66.3	0.0	0.0	0.0	2.3
Total					19.6	13.1	32.7	110.5
Promedio .	15.3	25.2	19.5	68.1				

Estación : JORGE VILLAMIL
Año : 1999

Dpto. HUILA
Mpio. GIGANTE

Latitud 2 ° 20 'N
Longitud 75 ° 31 'W
Altitud 1500 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.2	26.4	18.8	76.0	7.4	2.4	9.8	2.2
2	16.0	25.0	19.2	73.0	0 0	0.0	0.0	1 7
3	17.0	27.8	20.1	68.7	5	5.3	5.8	2.4
4	15.8	25.4	19.6	72.7	1	8.9	9.0	3.9
5	15.4	24.0	19.6	71.3	0.0	0.0	0.0	4.9
6	17.0	25.8	20.4	73.7	6.0	0.0	6.0	2.7
7	16.0	27.2	21.2	69.0	3.0	0.0	3.0	3.6
8	17.2	26.2	20.5	74.0	4	1.9	2.3	4.4
9	16.2	25.4	20.2	83.7	3.0	0.0	3.0	3.0
10	16.4	22.2	17.7	94.7	25.0	3.3	28.3	6
11	16.0	22.0	19.0	78.0	1 1	0.0	1.1	1
12	16.4	23.6	19.6	79.0	5	0.0	.5	2.9
13	17.0	27.2	20.0	70.7	0.0	0.0	0.0	2.9
14	16.4	22.4	18.2	86.3	0.0	0.0	0.0	1.6
15	16.0	26.0	19.9	74.7	0.0	.6	.6	5.1
16	16.4	24.4	19.8	80.3	8.6	7.1	15.7	1.5
17	16.0	22.2	18.3	81.7	1.8	0.0	1.8	1.1
18	15.8	26.0	20.1	65.7	0.0	0.0	0.0	4.8
19	16.2	25.4	20.1	69.3	.5	.1	.6	2.5
20	17.4	27.8	21.4	66.0	0.0	0.0	0.0	5.3
21	16.0	26.0	18.7	74.0	9.5	0.0	9.5	2.6
22	16.1	26.2	20.5	68.7	0.0	0.0	0.0	2.4
23	16.0	24.2	18.7	78.0	5.4	0.0	5.4	2.5
24	15.0	23.5	19.0	77.7	1.3	0.0	1.3	4.1
25	15.2	24.2	19.5	77.7	0.0	11.9	11.9	3.2
26	15.5	22.2	18.7	83.3	0.0	11.5	11.5	3.5
27	15.0	20.0	17.1	92.3	.5	0.0	.5	0.0
28	16.4	22.4	18.5	78.3	5.8	.7	6.5	.4
29	16.0	24.2	19.6	77.3	0.0	0.0	0.0	.8
30	15.8	26.0	18.7	80.0	10.2	0.0	10.2	4.8
31								
Total					90.6	53.7	144.3	81.5
Promedio	16.1	24.7	19.4	76.5				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.4	25.5	19.8	66.7	.3	0.0	.3	2.0
2	15.2	21.0	17.3	89.7	.5	.1	.6	1.3
3	15.8	24.8	19.1	81.7	3.2	10.0	13.2	2.3
4	15.4	23.8	18.8	79.3	.4	0.0	.4	2.0
5	15.2	23.4	18.0	80.0	2.0	0.0	2.0	2.6
6	14.6	25.2	18.8	72.3	0.0	0.0	0.0	3.0
7	13.0	25.0	19.6	71.0	.1	0.0	.1	2.9
8	16.4	24.0	19.2	80.3	1.2	2.0	3.2	1.8
9	16.0	25.2	18.8	70.7	0.0	0.0	0.0	3.5
10	15.0	25.0	20.1	69.0	0.0	0.0	0.0	4.9
11	14.8	26.2	20.1	72.3	.5	.2	.7	6.6
12	17.0	21.0	18.4	84.3	11.2	0.0	11.2	.4
13	16.4	21.8	18.0	87.3	2.9	0.0	2.9	2.5
14	16.0	22.0	18.2	78.0	.4	0.0	.4	.6
15	16.4	26.4	20.6	62.0	0.0	0.0	0.0	5.5
16	15.0	26.0	20.3	69.3	0.0	0.0	0.0	5.4
17	16.0	22.0	18.2	85.7	3.5	0.0	3.5	2.1
18	15.4	25.0	20.2	75.0	0.0	1.0	1.0	3.4
19	17.0	23.2	18.8	83.7	.7	0.0	.7	1.2
20	16.6	26.0	20.0	70.3	0.0	0.0	0.0	2.7
21	15.6	27.2	20.7	60.7	0.0	0.0	0.0	6.2
22	16.0	28.2	21.0	70.0	0.0	0.0	0.0	5.4
23	16.2	22.0	18.2	90.3	7.5	0.0	7.5	.1
24	16.0	25.0	20.1	77.3	2 1	0.0	2.1	3.2
25	17.0	25.4	20.2	74.0	.3	0.0	.3	1.9
26	15.4	25.6	20.6	72.3	2	.9	1.1	4.4
27	17.0	22.0	18.4	90.3	.9	1.5	2.4	2.1
28	15.4	21.0	18.0	92.0	1.0	1.5	2.5	.3
29	15.6	24.0	19.2	82.0	.4	7.9	8.3	3.0
30	15.8	22.0	18.7	78.3	1.5	0.0	1.5	.2
31	15.0	24.2	19.3	81.0	7.8	0.0	7.8	1.6
Total					48.6	25.1	73.7	85.1
Promedio	15.7	24.2	19.2	77.3				

Estación : JORGE VILLAMIL
Año : 1999

Dpto. : HUILA
Mpio. : GIGANTE

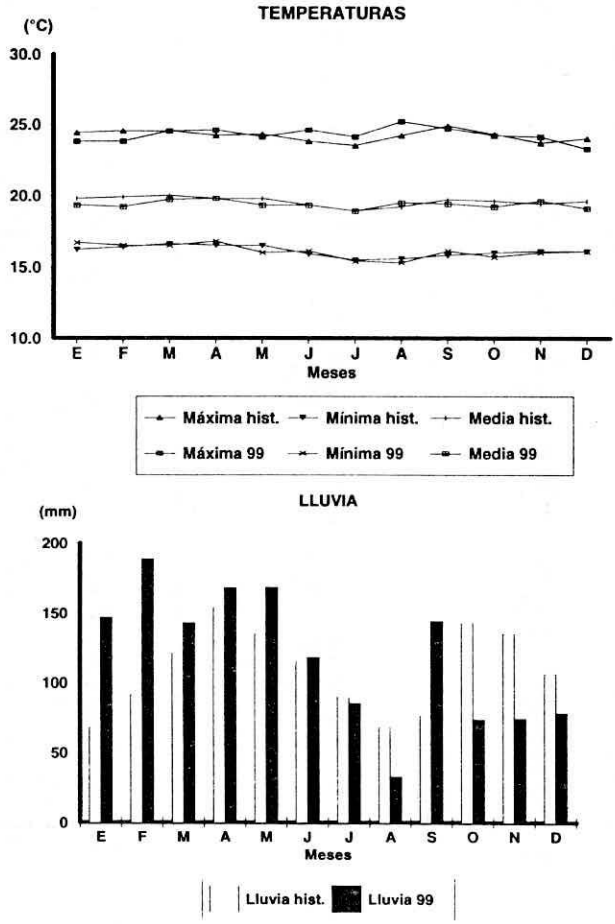
Latitud : 2 ° 20 'N
Longitud : 75 ° 31 'W
Altitud : 1500 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.8	25.4	20.0	76.3	.1	3.0	3.1	4.2
2	17.0	25.2	20.8	79.0	.3	1.4	1.7	6.8
3	16.6	24.0	19.1	85.7	0.0	0.0	0.0	4.1
4	15.8	24.2	19.9	84.0	3.1	7.2	10.3	2.8
5	16.4	25.0	20.2	83.7	.3	0.0	.3	4.2
6	15.8	27.4	21.4	66.3	.3	0.0	.3	8.1
7	15.6	25.0	20.6	84.0	.9	2.7	3.6	3.9
8	16.9	21.6	19.2	93.7	3.9	0.0	3.9	.5
9	15.5	25.2	19.6	83.3	1.1	0.0	1.1	4.5
10	16.9	23.5	19.8	83.7	0.0	0.0	0.0	.5
11	16.0	22.4	19.4	83.0	.4	0.0	.4	.4
12	15.9	25.0	20.2	78.0	4.6	0.0	4.6	1.5
13	15.4	27.4	20.8	73.7	0.0	0.0	0.0	9.7
14	15.5	29.0	21.8	66.3	0.0	0.0	0.0	9.5
15	16.0	26.2	21.0	67.0	0.0	0.0	0.0	5.2
16	16.1	27.0	21.2	71.7	0.0	0.0	0.0	5.6
17	17.2	24.0	19.9	80.3	0.0	5.9	5.9	4.0
18	15.8	23.6	18.6	87.7	.5	0.0	.5	3.0
19	16.0	20.0	18.0	91.7	.1	0.0	.1	0.0
20	16.1	25.2	19.5	80.3	0.0	0.0	0.0	5.6
21	17.0	23.2	19.0	76.7	0.0	10.6	10.6	3.0
22	15.8	21.1	17.6	91.3	0.0	.4	.4	0.0
23	15.2	22.4	18.2	86.7	.2	1.1	1.3	1.7
24	15.6	20.8	18.0	88.3	0.0	11.6	11.6	.6
25	15.0	20.0	18.1	93.7	0.0	0.0	0.0	.7
26	16.0	24.4	19.5	83.0	0.0	4.0	4.0	5.8
27	15.8	22.4	18.4	88.7	1.0	0.0	1.0	1.0
28	15.0	24.0	18.9	79.7	6.3	0.0	6.3	4.0
29	15.4	24.6	20.0	75.3	0.0	0.0	0.0	3.6
30	17.0	24.0	19.8	85.3	.6	2.6	3.2	1.5
31								
Total :					23.7	50.5	74.2	106.0
Promedio :	16.0	24.1	19.6	81.6				

Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	23.6	19.0	88.7	.6	2.8	3.4	4.3
2	16.2	20.2	18.3	93.7	.5	3.7	4.2	0.0
3	16.0	22.6	18.2	89.0	.8	0.0	.8	0.0
4	15.8	25.0	19.2	87.7	.8	.5	1.3	1.9
5	16.2	22.6	19.1	86.3	0.0	0.0	0.0	.4
6	17.0	21.2	19.4	91.3	.1	0.0	.1	.7
7	16.0	23.4	19.3	84.7	0.0	0.0	0.0	1.5
8	16.5	24.5	19.6	83.7	0.0	0.0	0.0	1.5
9	15.9	28.4	20.8	69.7	0.0	0.0	0.0	7.1
10	16.2	25.0	19.8	76.3	0.0	0.0	0.0	2.7
11	15.4	25.2	19.6	76.3	4.8	0.0	4.8	2.5
12	16.2	25.0	19.8	75.0	.3	11.3	11.6	3.8
13	16.0	22.0	18.4	87.0	3.8	0.0	3.8	.1
14	16.6	21.4	18.4	92.0	9.7	4	10.1	.1
15	17.0	23.1	19.1	88.3	6.0	.2	6.2	2.2
16	16.4	21.0	18.6	92.3	0.0	.3	.3	0.0
17	16.9	22.0	18.9	92.7	1.0	0.0	1.0	.8
18	17.0	22.8	18.8	90.3	0.0	0.0	0.0	1.5
19	16.4	23.0	19.1	93.0	4.5	0.0	4.5	1.5
20	16.0	21.2	19.2	91.3	1.5	0.0	1.5	.4
21	16.4	23.0	19.6	85.3	.8	1.3	2.1	3.1
22	17.0	25.0	20.8	78.3	0.0	8.7	8.7	6.6
23	16.4	23.5	19.4	82.3	0.0	.6	.6	5.5
24	16.1	23.6	18.3	82.3	13.0	0.0	13.0	2.7
25	15.2	22.8	18.2	85.3	0.0	0.0	0.0	5.8
26	15.9	23.4	19.0	80.7	0.0	0.0	0.0	6.7
27	16.0	23.2	18.8	84.3	0.0	0.0	0.0	7.7
28	15.6	23.0	18.8	79.7	0.0	0.0	0.0	6.1
29	14.2	23.6	18.3	82.0	0.0	0.0	0.0	5.5
30	14.6	23.8	18.4	81.0	.2	0.0	.2	4.2
31	15.0	25.2	19.5	82.7	0.0	0.0	0.0	3.2
Total :					48.4	29.8	78.2	90.1
Promedio :	16.1	23.3	19.1	84.9				

Estación : JORGE VILLAMIL **Dpto. :** HUILA **Latitud :** 2 ° 20 'N
Año : 1999 **Mpio. :** GIGANTE **Longitud :** 75 ° 31 'W
Altitud : 1500 **m**

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	16.7	23.8	19.3	27.8	14.0	80.9	147.0	28	86.6
Febrero	16.5	23.8	19.2	27.9	15.2	81.0	188.6	22	53.9
Marzo	16.5	24.5	19.7	28 4	15.4	80.5	143.1	23	76.4
Abril	16.8	24.6	19.8	27.9	15.2	77.7	168.3	28	68.0
Mayo	16.0	24.1	19.3	27.1	13.8	78.5	168.4	28	90.4
Junio	16.1	24.6	19.3	27.4	14.8	78.5	118.1	27	85.7
Julio	15.4	24.1	18.9	27.0	13.0	75.3	85.3	21	87.5
Agosto	15.3	25.2	19.5	29.0	12.8	68.1	32.7	11	110.5
Septiembre	16.1	24.7	19.4	27.8	15.0	76.5	144.3	22	81.5
Octubre	15.7	24.2	19.2	28.2	13.0	77.3	73.7	23	85.1
Noviembre	16.0	24.1	19.6	29.0	15.0	81.6	74.2	21	106.0
Diciembre	16.1	23.3	19.1	28.4	14.2	84.9	78.2	19	90.1
Promedio :	16.1	24.3	19.4			78.4			
Absoluta :				29.0	12.8				
Total :							1421.9	273	1021.7



Estación : JIROCASACA
Año : 1999

Dpto. : MAGDALENA
Mpio. : SANTA MARTA

Latitud : 11 ° 3 'N
Longitud : 74 ° 2 'W
Altitud : 710 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	21.0	28.8	23.8	73.0	0.0	0.0	0.0	5.6
2	19.9	27.1	22.6	81.3	0.0	0.0	0.0	4.6
3	19.9	29.0	23.2	76.7	0.0	0.0	0.0	8.0
4	18.9	27.4	23.0	72.0	0.0	0.0	0.0	9.1
5	19.5	28.3	22.6	78.3	0.0	0.0	0.0	6.0
6	18.8	27.0	22.5	69.7	.5	0.0	.5	7.7
7	18.9	28.4	22.3	72.7	0.0	0.0	0.0	9.1
8	18.7	27.5	22.2	73.0	0.0	0.0	0.0	7.7
9	18.0	28.0	21.8	80.0	0.0	0.0	0.0	6.0
10	17.9	29.8	23.0	81.7	0.0	0.0	0.0	8.4
11	17.4	27.8	21.1	85.3	.1	0.0	.1	5.7
12	17.0	27.0	21.4	82.7	0.0	0.0	0.0	6.2
13	18.7	27.8	22.1	75.0	0.0	0.0	0.0	6.6
14	18.6	25.7	20.6	77.0	0.0	0.0	0.0	5.8
15	17.2	27.8	21.2	69.3	0.0	0.0	0.0	8.0
16	18.8	28.4	21.8	69.3	0.0	0.0	0.0	7.9
17	18.4	27.9	21.6	70.0	0.0	0.0	0.0	8.2
18	19.5	28.0	22.3	77.0	0.0	0.0	0.0	6.2
19	17.8	29.3	23.2	69.0	0.0	0.0	0.0	9.2
20	19.5	29.4	23.2	70.0	0.0	0.0	0.0	6.4
21	20.0	29.5	23.0	72.0	0.0	0.0	0.0	7.1
22	19.4	29.4	23.2	72.3	0.0	0.0	0.0	8.8
23	19.6	28.3	22.4	80.0	0.0	0.0	0.0	8.1
24	20.3	27.9	23.3	65.0	0.0	0.0	0.0	3.4
25	19.8	28.2	22.8	74.7	0.0	.4	.4	7.1
26	20.5	28.0	23.0	66.0	0.0	0.0	0.0	9.4
27	20.8	29.1	22.8	60.3	0.0	0.0	0.0	7.9
28	18.0	26.0	21.8	73.0	0.0	0.0	0.0	8.4
29	18.5	28.7	23.0	75.0	0.0	0.0	0.0	9.4
30	19.0	26.6	21.9	78.7	0.0	0.0	0.0	6.7
31	18.9	26.2	21.8	81.3	0.0	0.0	0.0	9.4
Total :					.6	.4	1.0	228.1
Promedio :	19.0	28.0	22.4	74.2				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.0	26.1	22.0	76.7	0.0	0.0	0.0	9.4
2	19.4	26.5	21.8	73.0	0.0	0.0	0.0	8.7
3	19.4	29.3	23.0	60.7	0.0	0.0	0.0	8.4
4	20.0	26.5	21.9	74.0	0.0	0.0	0.0	9.0
5	19.4	27.9	21.7	73.0	0.0	0.0	0.0	9.4
6	18.0	28.0	21.8	70.0	0.0	0.0	0.0	9.1
7	18.1	25.0	20.9	78.3	0.0	0.0	0.0	7.7
8	19.0	29.6	22.7	73.3	0.0	0.0	0.0	7.6
9	19.3	29.5	23.6	71.7	0.0	0.0	0.0	8.9
10	20.4	29.0	23.7	77.0	0.0	0.0	0.0	7.5
11	19.0	27.5	22.0	88.3	0.0	0.0	0.0	6.1
12	20.3	30.5	23.6	71.3	0.0	0.0	0.0	8.3
13	20.5	28.9	23.1	77.7	0.0	0.0	0.0	5.8
14	18.8	26.4	21.4	87.7	19.4	0.0	19.4	1.0
15	18.8	26.2	21.2	76.0	0.0	0.0	0.0	2.0
16	17.5	27.0	22.0	73.0	0.0	0.0	0.0	7.3
17	18.9	25.7	20.8	83.7	0.0	.1	.1	3.8
18	18.2	27.0	21.0	88.7	0.0	0.0	0.0	4.7
19	18.0	26.0	21.0	85.0	0.0	0.0	0.0	4.6
20	18.1	27.5	21.6	86.0	0.0	0.0	0.0	7.8
21	17.8	29.0	22.2	76.3	0.0	0.0	0.0	8.5
22	17.6	25.0	19.9	87.3	0.0	0.0	0.0	2.1
23	17.6	28.0	21.1	79.3	1.6	5.0	6.6	6.9
24	19.8	23.0	20.8	80.7	19.8	0.0	19.8	.3
25	19.0	26.3	21.1	74.7	.1	.6	.7	9.5
26	19.4	26.0	21.3	74.3	0.0	0.0	0.0	6.6
27	20.5	27.4	22.8	66.3	0.0	0.0	0.0	7.8
28	17.0	28.0	21.3	78.7	0.0	0.0	0.0	8.9
29								
30								
31								
Total :					40.9	5.7	46.6	187.7
Promedio :	18.9	27.2	21.8	77.2				

Estación : JIROCASACA
Año : 1999

Dpto. : MAGDALENA
Mpio. : SANTA MARTA

Latitud : 11 ° 3 'N
Longitud : 74 ° 2 'W
Altitud : 710 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.0	25.3	21.4	79.0	0.0	0.0	0.0	4.0
2	17.0	21.5	19.0	95.3	.3	0.0	.3	0.0
3	17.7	28.0	21.8	78.0	0.0	0.0	0.0	7.5
4	19.9	26.4	22.5	72.0	0.0	.1	.1	4.9
5	20.0	27.5	22.6	74.7	0.0	0.0	0.0	8.0
6	19.0	30.0	24.1	61.0	0.0	0.0	0.0	9.6
7	20.0	28.9	22.2	66.0	0.0	0.0	0.0	7.4
8	20.4	27.5	22.6	64.0	0.0	0.0	0.0	8.1
9	20.0	26.8	22.4	63.3	0.0	0.0	0.0	7.1
10	20.3	27.0	22.7	70.3	0.0	0.0	0.0	7.1
11	19.3	28.0	23.1	71.3	0.0	0.0	0.0	5.4
12	20.2	28.5	23.4	77.3	0.0	0.0	0.0	7.6
13	20.5	30.0	24.1	73.3	0.0	0.0	0.0	9.4
14	20.0	29.6	23.3	82.7	0.0	0.0	0.0	5.3
15	19.8	24.0	21.7	93.0	0.0	.9	.9	0.0
16	17.3	26.0	21.2	91.3	0.0	0.0	0.0	3.7
17	18.0	28.0	22.8	69.0	0.0	0.0	0.0	9.6
18	20.7	27.5	22.7	63.3	0.0	0.0	0.0	7.3
19	20.6	28.3	22.8	71.0	0.0	0.0	0.0	6.7
20	20.5	28.5	22.5	71.0	0.0	0.0	0.0	7.3
21	20.2	27.7	23.4	72.3	0.0	0.0	0.0	4.8
22	18.3	27.0	22.6	81.0	0.0	0.0	0.0	7.7
23	19.2	27.1	22.5	82.0	0.0	0.0	0.0	5.2
24	22.0	28.0	23.8	70.3	0.0	0.0	0.0	5.2
25	21.2	30.0	23.9	72.0	0.0	0.0	0.0	9.1
26	21.5	30.3	25.1	70.3	0.0	0.0	0.0	9.1
27	21.7	30.0	24.6	73.0	0.0	0.0	0.0	8.3
28	20.0	28.7	22.9	90.7	0.0	0.0	0.0	5.6
29	20.1	29.0	24.0	76.0	0.0	0.0	0.0	8.0
30	20.9	29.4	23.1	76.7	0.0	0.0	0.0	8.8
31	20.0	30.3	23.6	73.7	0.0	0.0	0.0	10.1
Total :					.3	1.0	1.3	207.9
Promedio :	19.8	27.9	22.9	75.0				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	21.7	29.0	24.0	76.7	0.0	0.0	0.0	7.7
2	20.6	29.3	23.7	74.7	0.0	0.0	0.0	5.3
3	18.8	28.6	22.6	85.0	0.0	4.6	4.6	6.8
4	19.8	28.0	22.7	85.3	0.0	6.3	6.3	4.2
5	18.0	21.0	20.2	93.0	33.2	5.7	38.9	0.0
6	17.9	26.7	20.8	88.0	1.0	10.3	11.3	7.4
7	20.0	25.9	22.0	80.3	0.0	0.0	0.0	9.7
8	19.2	26.8	21.1	86.0	6.5	1.2	7.7	4.3
9	18.2	25.0	21.2	90.7	15.4	3.5	18.9	1.3
10	18.8	25.0	21.8	89.7	1.4	.9	2.3	1.8
11	19.0	26.0	21.7	82.7	0.0	0.0	0.0	5.3
12	18.0	27.8	21.8	83.3	0.0	0.0	0.0	8.1
13	19.9	28.0	23.0	79.3	0.0	0.0	0.0	6.7
14	20.0	28.8	23.8	77.7	0.0	0.0	0.0	6.3
15	20.3	28.1	22.7	88.7	0.0	0.0	0.0	6.8
16	19.0	29.3	24.6	75.7	0.0	0.0	0.0	6.8
17	21.3	28.4	24.4	73.3	0.0	0.0	0.0	9.7
18	21.0	29.8	24.5	69.3	0.0	0.0	0.0	10.0
19	21.8	30.2	25.0	64.0	0.0	0.0	0.0	10.2
20	21.0	29.1	24.0	73.3	0.0	0.0	0.0	8.1
21	21.1	30.0	24.8	77.0	0.0	0.0	0.0	9.2
22	21.9	27.3	24.2	79.3	0.0	0.0	0.0	8.1
23	21.4	26.9	24.1	78.3	0.0	0.0	0.0	5.5
24	19.8	25.8	22.1	91.0	.5	0.0	.5	.9
25	19.0	23.0	20.4	92.7	30.6	0.0	30.6	.3
26	18.3	26.4	21.2	87.3	0.0	0.0	0.0	3.6
27	17.9	25.6	19.4	95.3	42.9	.2	43.1	2.7
28	17.8	27.0	21.2	87.0	20.3	0.0	20.3	4.9
29	19.4	28.0	23.2	83.3	1.8	0.0	1.8	4.4
30	18.4	25.5	20.6	96.0	17.6	.8	18.4	2.6
31								
Total :					171.2	33.5	204.7	168.7
Promedio :	19.6	27.2	22.6	82.8				

Estación : JIROCASACA
Año : 1999

Dpto. : MAGDALENA
Mpio. : SANTA MARTA

Latitud : 11 ° 3 'N
Longitud : 74 ° 2 'W
Altitud : 710 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	23.2	19.5	97.0	3.4	0.0	3.4	.8
2	18.9	25.2	20.4	96.0	5.1	0.0	5.1	2.4
3	18.3	26.1	21.4	92.7	1.4	0.0	1.4	4.3
4	18.5	27.5	22.6	81.7	0.0	0.0	0.0	9.2
5	17.8	27.3	22.3	82.7	0.0	0.0	0.0	4.9
6	19.6	29.2	23.8	77.0	0.0	0.0	0.0	9.2
7	18.9	28.1	23.6	82.3	0.0	4.3	4.3	7.8
8	19.0	24.6	22.0	91.7	0.0	0.0	0.0	.6
9	19.2	26.8	22.2	85.7	14.7	2.6	17.3	2.3
10	18.8	23.2	19.8	96.0	1.2	0.0	1.2	.2
11	17.7	26.0	21.3	81.3	.9	0.0	.9	2.9
12	17.8	25.5	19.6	96.0	27.2	0.0	27.2	2.6
13	17.9	24.8	21.5	91.3	9.9	0.0	9.9	1.9
14	18.2	27.8	21.3	82.7	3.7	0.0	3.7	5.7
15	18.4	29.0	23.7	77.3	0.0	0.0	0.0	9.2
16	20.1	27.0	22.4	92.0	0.0	0.0	0.0	3.7
17	17.7	28.0	22.4	88.3	0.0	0.0	0.0	5.2
18	20.4	28.3	23.7	81.3	0.0	0.0	0.0	6.8
19	20.1	28.6	24.0	79.7	0.0	0.0	0.0	6.9
20	19.2	28.0	21.9	85.0	3.8	0.0	3.8	5.5
21	19.0	24.8	21.5	93.3	7.0	0.0	7.0	.1
22	18.7	27.4	21.0	93.7	6.5	0.0	6.5	4.6
23	18.9	29.3	23.0	80.0	1.0	0.0	1.0	9.0
24	19.2	28.5	23.2	81.7	0.0	0.0	0.0	8.0
25	19.9	28.3	23.3	81.0	0.0	0.0	0.0	7.4
26	20.2	29.4	24.1	77.0	0.0	0.0	0.0	7.7
27	20.0	29.5	24.0	71.0	0.0	0.0	0.0	9.7
28	20.3	30.3	24.2	77.0	0.0	0.0	0.0	9.4
29	20.9	31.0	25.5	77.7	0.0	0.0	0.0	9.6
30	19.0	26.0	22.0	93.0	.6	0.0	.6	2.2
31	20.0	28.2	22.6	92.0	0.0	0.0	0.0	6.0
Total					86.4	6.9	93.3	165.8
Promedio :	19.1	27.3	22.4	85.6				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.5	26.0	21.2	95.3	2.4	0.0	2.4	2.6
2	17.9	29.0	24.1	80.3	0.0	0.0	0.0	7.3
3	19.9	30.4	24.0	80.0	0.0	0.0	0.0	9.0
4	21.5	29.0	24.4	72.3	0.0	0.0	0.0	7.5
5	19.1	25.9	21.8	93.3	0.0	0.0	0.0	2.1
6	18.8	29.1	22.8	85.0	9.4	0.0	9.4	6.0
7	18.4	27.0	23.1	84.0	0.0	0.0	0.0	4.0
8	18.5	26.0	21.4	95.0	8.8	.8	9.6	2.0
9	19.3	27.0	21.2	93.3	1.6	0.0	1.6	1.7
10	17.5	28.0	22.7	86.7	0.0	0.0	0.0	4.6
11	19.0	28.2	22.0	87.7	12.6	6.4	19.0	4.4
12	18.9	29.0	23.4	86.0	0.0	0.0	0.0	7.9
13	18.9	27.0	23.5	84.3	0.0	.8	.8	4.2
14	19.9	25.0	21.4	87.3	8.8	0.0	8.8	1.3
15	17.8	25.1	20.5	97.0	3.1	2.1	5.2	2.4
16	19.1	27.0	23.5	83.0	2.2	0.0	2.2	5.8
17	18.0	26.2	21.2	93.0	6.5	0.0	6.5	2.9
18	17.8	24.3	20.2	97.0	22.3	1.4	23.7	1.7
19	18.2	25.0	20.6	91.3	2.4	0.0	2.4	.5
20	18.4	28.1	21.6	87.7	21.3	.2	21.5	4.6
21	19.2	27.0	23.0	87.3	.8	0.0	.8	3.4
22	18.8	26.7	22.3	88.7	0.0	0.0	0.0	2.3
23	17.5	25.5	21.6	93.3	7.2	0.0	7.2	3.8
24	18.5	25.8	20.7	96.7	0.0	0.0	0.0	1.4
25	18.2	26.1	22.7	80.0	0.0	0.0	0.0	3.3
26	18.0	26.8	22.0	78.3	0.0	1.6	1.6	6.2
27	17.5	24.8	19.8	92.0	38.6	0.0	38.6	2.3
28	17.8	25.4	20.2	93.3	10.1	14.3	24.4	3.6
29	17.8	27.5	22.5	86.7	8.3	1.3	9.6	5.7
30	18.2	25.0	21.0	96.3	5.1	0.0	5.1	2.7
31								
Total					171.5	28.9	200.4	117.2
Promedio :	18.6	26.8	22.0	88.4				

Estación : JIROCASACA
Año : 1999

Dpto. : MAGDALENA
Mpio. : SANTA MARTA

Latitud : 11 ° 3 'N
Longitud : 74 ° 2 'W
Altitud : 710 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.5	25.3	22.6	86.0	9.2	0.0	9.2	3.0
2	17.4	27.5	22.4	87.3	1.1	2.9	4.0	5.1
3	19.0	27.4	22.5	84.3	6.7	0.0	6.7	5.0
4	17.6	28.5	22.5	85.3	0.0	0.0	0.0	4.7
5	18.5	28.5	23.4	81.7	0.0	0.0	0.0	9.4
6	18.8	29.5	23.4	72.7	0.0	0.0	0.0	7.9
7	17.7	25.0	20.5	91.7	35.0	0.0	35.0	.5
8	18.6	23.8	21.4	93.0	.9	.4	1.3	1.3
9	17.5	26.5	20.9	85.3	19.3	1.3	20.6	5.7
10	17.6	28.4	22.2	88.7	11.0	.1	11.1	5.1
11	18.2	26.8	23.0	70.0	0.0	0.0	0.0	7.0
12	19.8	29.0	22.9	82.0	.6	0.0	.6	7.4
13	18.5	27.3	22.6	93.7	0.0	0.0	0.0	3.1
14	19.5	28.9	23.5	90.3	0.0	0.0	0.0	6.8
15	20.4	29.5	25.0	74.3	0.0	0.0	0.0	9.2
16	20.8	28.6	21.4	91.7	18.3	0.0	18.3	4.4
17	18.8	27.5	22.1	85.3	0.0	.1	.1	4.3
18	20.5	28.8	24.2	79.7	1.8	0.0	1.8	5.7
19	19.8	28.3	24.2	81.3	0.0	0.0	0.0	7.2
20	21.2	28.8	25.1	69.7	0.0	0.0	0.0	8.7
21	19.8	26.7	22.6	92.0	0.0	0.0	0.0	2.7
22	19.6	28.5	24.5	79.7	0.0	0.0	0.0	5.8
23	21.2	26.4	22.0	97.0	7.6	1.7	9.3	2.3
24	19.4	28.5	23.0	87.3	.4	0.0	.4	5.3
25	20.5	28.4	23.7	84.7	0.0	0.0	0.0	4.5
26	21.4	30.6	24.6	83.3	.4	0.0	.4	7.1
27	20.4	28.3	23.6	89.0	.5	0.0	.5	2.3
28	19.9	27.0	23.1	89.7	26.5	0.0	26.5	4.1
29	19.8	25.6	23.5	86.3	.2	0.0	.2	.4
30	21.0	27.9	24.7	77.3	0.0	0.0	0.0	5.6
31	21.5	28.6	24.7	87.0	0.0	0.0	0.0	3.5
Total :					139.5	6.5	146.0	155.1
Promedio :	19.5	27.8	23.1	84.8				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	20.2	28.9	23.8	85.7	0.0	0.0	0.0	2.6
2	21.6	27.5	24.0	79.3	0.0	0.0	0.0	5.4
3	17.8	23.9	20.2	96.3	3.9	0.0	3.9	0.0
4	17.6	27.0	22.0	85.7	5.2	0.0	5.2	3.3
5	18.8	25.6	21.2	97.3	31.8	0.0	31.8	1.7
6	19.5	28.3	23.2	89.3	2.5	0.0	2.5	5.2
7	20.8	28.3	24.8	77.7	0.0	0.0	0.0	6.5
8	20.5	27.1	21.8	95.0	14.8	0.0	14.8	3.1
9	20.4	27.5	23.3	86.7	0.0	0.0	0.0	4.4
10	19.5	28.4	24.2	78.3	0.0	0.0	0.0	8.0
11	20.5	28.3	24.5	75.7	0.0	0.0	0.0	3.3
12	19.7	27.0	22.4	94.0	7.6	.3	7.9	2.3
13	19.4	27.0	20.8	97.3	67.1	3.9	71.0	2.4
14	18.7	25.0	20.2	97.3	26.2	0.0	26.2	0.0
15	18.4	24.6	20.9	91.7	69.8	0.0	69.8	.9
16	19.4	27.5	21.9	95.3	27.5	3.0	30.5	3.7
17	19.3	26.9	21.0	95.0	13.7	0.0	13.7	2.7
18	19.4	27.8	21.7	92.0	8.4	0.0	8.4	4.7
19	19.5	26.2	20.6	97.3	14.2	0.0	14.2	3.5
20	19.2	25.7	21.7	95.3	4.9	.1	5.0	2.3
21	18.8	24.6	20.8	97.0	1.7	.1	1.8	1.6
22	17.6	25.7	20.2	95.3	11.3	0.0	11.3	1.5
23	17.0	26.6	21.0	93.0	.5	.9	1.4	0.0
24	19.2	26.5	22.1	95.3	10.8	0.0	10.8	5.1
25	18.5	26.6	22.2	94.0	0.0	3.0	3.0	5.4
26	19.3	24.8	21.9	93.7	.5	0.0	.5	1.0
27	18.9	26.5	21.4	93.7	1.3	3.6	4.9	3.8
28	19.0	27.0	21.4	89.3	10.7	11.0	21.7	2.2
29	17.9	29.5	22.5	85.0	2.3	0.0	2.3	8.0
30	19.8	28.5	23.6	85.0	0.0	0.0	0.0	9.1
31	20.5	28.3	22.7	89.3	5.1	0.0	5.1	4.4
Total :					341.8	25.9	367.7	108.1
Promedio :	19.2	26.9	22.1	90.7				

Estación : JIROCASACA
Año : 1999

Dpto. : MAGDALENA
Mpio. : SANTA MARTA

Latitud : 11 ° 3 'N
Longitud : 74 ° 2 'W
Altitud : 710 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.5	26.1	22.0	95.7	2.8	0.0	2.8	2.5
2	19.0	24.9	22.0	94.0	.2	1.1	1.3	.1
3	18.5	25.6	20.7	93.7	50.3	0.0	50.3	2.6
4	18.3	28.4	22.0	85.3	0.0	0.0	0.0	3.0
5	19.4	27.5	21.9	92.7	3.1	0.0	3.1	4.7
6	20.0	29.3	24.0	88.7	0.0	0.0	0.0	7.1
7	19.9	28.5	22.8	87.0	38.0	.6	38.6	4.9
8	19.2	26.1	21.2	94.0	1.9	0.0	1.9	.3
9	18.4	25.5	21.2	97.3	1.0	10.4	11.4	2.8
10	18.8	26.3	21.4	94.7	6.5	0.0	6.5	3.0
11	18.4	26.4	21.4	95.3	1.5	0.0	1.5	2.5
12	18.5	25.5	20.7	96.0	38.1	0.0	38.1	2.7
13	19.0	25.4	21.2	97.7	.3	.5	.8	3.2
14	18.5	25.5	20.8	96.0	7.6	0.0	7.6	.6
15	18.2	25.2	22.2	93.7	2.1	0.0	2.1	.2
16	18.7	26.6	23.3	93.3	1.9	0.0	1.9	3.8
17	19.3	27.5	22.2	94.3	1.9	0.0	1.9	3.2
18	19.0	26.5	21.2	97.0	7.0	0.0	7.0	2.3
19	18.5	27.6	21.2	92.3	31.9	0.0	31.9	3.4
20	19.4	27.5	20.7	93.7	71.8	0.0	71.8	2.9
21	18.3	26.7	22.6	96.3	.1	0.0	.1	4.1
22	18.1	24.9	19.0	94.0	33.4	0.0	33.4	0.0
23	17.3	25.6	21.1	93.7	0.0	0.0	0.0	2.9
24	18.8	25.7	20.1	95.7	28.8	0.0	28.8	.7
25	17.5	26.0	21.5	96.7	.2	4.6	4.8	2.1
26	18.2	24.5	20.0	97.3	61.5	0.0	61.5	.6
27	17.6	26.5	20.4	93.3	0.0	0.0	0.0	3.8
28	18.4	24.7	20.5	95.0	47.1	2.7	49.8	.3
29	18.6	25.9	20.6	91.0	19.4	0.0	19.4	2.5
30	19.0	26.3	21.8	90.3	3.8	0.0	3.8	1.2
31								
Total :					462.2	19.9	482.1	74.0
Promedio :	18.7	26.3	21.4	93.9				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.6	26.2	20.6	96.3	26.7	10.1	36.8	2.0
2	19.0	25.9	20.3	96.3	11.9	0.0	11.9	.3
3	18.5	27.5	22.2	86.3	3.5	0.0	3.5	4.8
4	20.0	27.4	21.4	93.0	1.5	0.0	1.5	4.4
5	19.4	27.6	21.5	96.7	6.1	0.0	6.1	.9
6	19.2	26.9	20.6	95.3	6.6	0.0	6.6	2.2
7	18.0	25.2	19.6	95.7	15.5	0.0	15.5	1.6
8	18.4	26.7	19.7	92.3	21.7	0.0	21.7	3.0
9	17.9	28.0	22.6	83.7	0.0	0.0	0.0	6.7
10	19.1	26.1	20.4	96.7	66.3	0.0	66.3	1.5
11	19.3	27.4	21.0	94.7	17.0	0.0	17.0	1.4
12	18.5	26.4	20.8	95.0	36.1	1.5	37.6	2.8
13	19.0	26.2	21.0	93.0	13.0	0.0	13.0	1.6
14	18.4	26.6	22.3	90.7	0.0	.7	.7	4.0
15	18.0	26.7	20.4	94.7	23.2	0.0	23.2	2.7
16	18.5	25.5	20.8	93.7	31.5	7.5	39.0	3.6
17	17.5	26.0	20.4	91.3	.7	0.0	.7	4.8
18	17.2	26.8	21.6	84.0	3.2	0.0	3.2	4.9
19	18.4	26.0	21.7	90.3	0.0	0.0	0.0	2.3
20	19.2	26.9	21.7	92.7	3.3	0.0	3.3	3.2
21	19.0	27.3	21.9	93.3	.3	0.0	.3	1.9
22	18.9	26.6	21.0	92.3	1.6	0.0	1.6	3.8
23	19.0	27.4	21.7	91.7	17.8	0.0	17.8	2.2
24	19.5	24.5	20.4	96.7	40.9	1.8	42.7	.4
25	18.5	26.1	20.7	93.3	9.2	4.0	13.2	3.4
26	18.8	26.2	20.8	95.7	41.7	0.0	41.7	1.9
27	19.0	26.0	21.3	92.7	12.5	4.5	17.0	1.7
28	19.1	25.4	20.1	94.7	15.0	0.0	15.0	.8
29	18.6	26.6	21.8	88.3	0.0	1.8	1.8	2.8
30	18.7	25.9	21.4	92.3	1.3	0.0	1.3	2.1
31	19.5	26.7	21.2	96.3	8.0	0.0	8.0	2.7
Total :					436.1	31.9	468.0	82.4
Promedio :	18.8	26.5	21.1	92.9				

Estación : JIROCASACA
Año : 1999

Dpto. : MAGDALENA
Mpio. : SANTA MARTA

Latitud : 11 ° 3 'N
Longitud : 74 ° 2 'W
Altitud : 710 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.5	28.4	21.3	92.7	.3	0.0	.3	5.9
2	19.4	26.5	21.1	95.0	1.3	.1	1.4	1.9
3	19.2	25.3	21.3	96.0	0.0	3.3	3.3	1.2
4	19.0	26.9	21.8	95.3	14.2	2.7	16.9	2.3
5	21.0	27.4	23.5	79.0	0.0	0.0	0.0	5.4
6	20.4	27.9	23.0	88.0	0.0	0.0	0.0	4.6
7	19.7	25.5	21.2	95.3	31.8	.2	32.0	1.8
8	19.0	23.1	21.1	96.7	12.5	0.0	12.5	0.0
9	18.2	26.8	20.8	96.3	19.8	0.0	19.8	3.2
10	19.0	26.2	22.0	91.3	3.6	0.0	3.6	.4
11	19.4	27.5	21.6	92.3	5.8	0.0	5.8	3.2
12	19.0	27.0	20.5	96.7	37.3	0.0	37.3	2.7
13	18.0	28.0	21.9	90.3	0.0	1	.1	3.2
14	18.1	28.8	21.8	91.3	8.3	.4	8.7	6.8
15	18.6	27.9	23.0	74.3	22.8	41.6	64.4	2.6
16	19.4	25.5	21.7	86.3	9.3	21.7	31.0	.1
17	17.0	25.0	19.7	88.7	0.0	0.0	0.0	2.2
18	17.2	25.5	20.3	91.3	0.0	0.0	0.0	4.5
19	17.1	26.8	19.0	88.3	4.9	0.0	4.9	3.4
20	16.0	25.8	20.2	93.7	0.0	.1	.1	6.2
21	17.5	26.5	20.8	92.0	0.0	6.3	6.3	4.1
22	17.6	24.0	20.4	95.0	0.0	0.0	0.0	1.9
23	18.0	23.6	20.3	95.3	0.0	0.0	0.0	.7
24	16.6	26.0	20.0	90.7	0.0	0.0	0.0	3.2
25	17.0	24.9	19.2	88.3	0.0	0.0	0.0	4.0
26	16.8	24.0	19.1	93.7	0.0	0.0	0.0	1.9
27	17.3	27.0	21.5	82.7	0.0	0.0	0.0	5.9
28	18.9	28.3	23.2	71.7	0.0	0.0	0.0	8.2
29	20.1	28.3	22.4	78.7	18.3	37.6	55.9	9.1
30	20.0	27.2	21.0	89.3	.5	.8	1.3	2.4
31								
Total :					190.7	114.9	305.6	103.0
Promedio :	18.5	26.4	21.2	89.9				

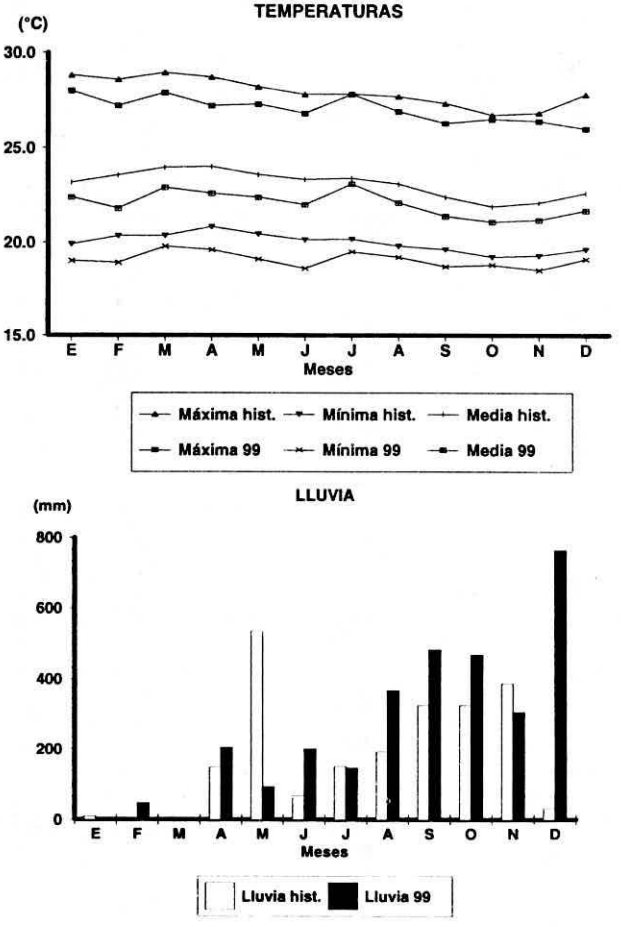
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	25.1	19.8	93.0	115.0	.4	115.4	1.1
2	17.2	26.9	21.6	82.3	0.0	0.0	0.0	1.3
3	18.5	26.5	21.9	83.3	4.9	2.4	7.3	3.3
4	21.1	26.3	23.0	77.7	8.0	2.8	10.8	1.0
5	20.0	24.9	21.8	85.7	42.9	4.6	47.5	.1
6	19.0	24.5	21.7	88.3	.3	0.0	.3	2.0
7	18.6	27.8	22.2	74.0	11.7	3.7	15.4	6.6
8	18.6	28.1	23.2	72.7	0.0	0.0	0.0	6.6
9	20.6	24.9	22.4	85.3	2.6	5.0	7.6	2.8
10	20.2	24.5	21.4	89.3	18.1	17.9	36.0	.6
11	20.7	25.0	22.3	84.3	44.2	20.5	64.7	.5
12	19.4	22.3	21.6	89.0	39.4	.8	40.2	0.0
13	20.0	25.4	21.6	79.3	29.5	27.0	56.5	2.8
14	19.9	22.9	22.0	90.7	165.1	.7	165.8	0.0
15	20.0	25.7	21.8	86.7	41.2	4.0	45.2	2.4
16	20.1	23.3	21.4	88.7	43.3	.1	43.4	1.2
17	18.2	25.0	20.3	90.7	57.4	16.6	74.0	2.6
18	20.0	24.4	21.9	88.0	0.0	0.0	0.0	1.6
19	19.0	27.4	22.4	82.0	0.0	0.0	0.0	5.5
20	20.5	28.0	22.8	76.0	0.0	0.0	0.0	5.7
21	18.8	27.8	21.9	81.7	0.0	0.0	0.0	4.4
22	20.5	26.5	23.0	62.3	0.0	0.0	0.0	8.4
23	19.0	27.9	21.6	77.7	23.8	.2	24.0	7.1
24	20.3	27.3	21.9	76.0	0.0	0.0	0.0	5.8
25	16.8	26.8	20.7	80.7	0.0	0.0	0.0	4.7
26	16.4	26.9	20.0	69.7	0.0	0.0	0.0	8.8
27	17.8	26.3	20.3	82.0	0.0	7.8	7.8	5.6
28	16.5	26.0	20.2	84.7	0.0	3.0	3.0	7.6
29	17.9	26.8	21.1	80.3	0.0	0.0	0.0	5.1
30	17.6	27.9	22.2	81.3	0.0	0.0	0.0	5.9
31	19.6	27.4	22.4	75.0	.2	.3	.5	5.3
Total :					647.6	117.8	765.4	116.4
Promedio :	19.1	26.0	21.7	81.9				

Estación : JIROCASACA
Año : 1999

Dpto. : MAGDALENA
Mpio. : SANTA MARTA

Latitud : 11 ° 3 'N
Longitud : 74 ° 2 'W
Altitud : 710 m

MES	TEMPERATURA °C					PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	19.0	28.0	22.4	29.8	17.0	74.2	1.0	3	228.1
Febrero	18.9	27.2	21.8	30.5	17.0	77.2	46.6	5	187.7
Marzo	19.8	27.9	22.9	30.3	17.0	75.0	1.3	3	207.9
Abril	19.6	27.2	22.6	30.2	17.8	82.8	204.7	13	168.7
Mayo	19.1	27.3	22.4	31.0	17.7	85.6	93.3	15	165.8
Junio	18.6	26.8	22.0	30.4	17.5	88.4	200.4	20	117.2
Julio	19.5	27.8	23.1	30.6	17.4	84.8	146.0	17	155.1
Agosto	19.2	26.9	22.1	29.5	17.0	90.7	367.7	24	108.1
Septiembre	18.7	26.3	21.4	29.3	17.3	93.9	482.1	26	74.0
Octubre	18.8	26.5	21.1	28.0	17.2	92.9	468.0	29	82.4
Noviembre	18.5	26.4	21.2	28.8	16.0	89.9	305.6	19	103.0
Diciembre	19.1	26.0	21.7	28.1	16.4	81.9	765.4	19	116.4
Promedio :	19.1	27.0	22.1			84.8			
Absoluta :				31.0	16.0				
Total :							3082.1	193	1714.4



Estación : EL SAUCE
Año : 1999

Dpto. : NARIÑO
Mpio. : LA UNION

Latitud : 1 ° 37 'N
Longitud : 77 ° 6 'W
Altitud : 1800 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.8	24.2	18.6	88.0	3.5	0.0	3.5	3.2
2	16.0	24.0	18.0	85.3	33.9	4.7	38.6	2.1
3	16.4	23.0	18.0	89.0	2.7	18.4	21.1	2.0
4	16.2	23.2	18.4	85.3	2.8	26.1	28.9	2.0
5	16.0	24.2	18.4	87.7	0.0	4.5	4.5	1.5
6	15.0	25.2	19.0	81.7	0.0	.2	.2	2.2
7	16.0	24.2	18.7	80.7	16.0	10.5	26.5	4.0
8	15.0	21.0	17.8	89.0	0.0	.6	.6	.5
9	16.0	24.6	17.8	89.3	34.2	18.4	52.6	2.1
10	16.1	23.4	18.0	88.3	30.7	13.4	44.1	.4
11	14.1	23.0	17.8	83.0	.2	5.6	5.8	3.0
12	15.0	22.0	17.8	90.3	4.6	8.2	12.8	2.2
13	14.9	21.8	17.1	91.7	.2	13.2	13.4	1.1
14	14.8	21.0	17.0	91.0	7.4	.4	7.8	.1
15	14.0	23.2	17.9	83.0	0.0	0.0	0.0	4.6
16	14.8	23.4	17.5	82.7	15.7	.1	15.8	2.0
17	15.0	26.0	18.5	80.7	5.0	4.3	9.3	5.6
18	14.9	22.9	18.0	85.7	13.4	.6	14.0	1.4
19	15.8	22.0	17.4	87.0	27.1	0.0	27.1	1.0
20	14.0	24.0	18.1	86.7	2.4	0.0	2.4	2.6
21	15.8	23.6	19.0	83.7	0.0	0.0	0.0	2.3
22	15.0	22.8	18.1	85.7	0.0	0.0	0.0	2.7
23	16.0	24.4	18.4	86.7	.9	1.8	2.7	3.8
24	15.9	22.5	18.2	87.3	.5	0.0	.5	1.1
25	16.0	24.6	18.6	87.3	1.3	13.2	14.5	1.7
26	16.1	21.4	17.8	88.3	13.6	3.6	17.2	.5
27	14.0	22.3	17.2	82.3	4.8	0.0	4.8	3.1
28	14.8	26.0	18.8	82.0	.6	.8	1.4	5.5
29	15.0	22.8	18.7	85.3	3.9	0.0	3.9	3.0
30	15.2	24.2	19.4	81.7	.3	.1	.4	6.8
31	15.6	25.2	19.5	82.3	8.3	0.0	8.3	5.3
Total					234.0	148.7	382.7	79.4
Promedio	15.3	23.4	18.2	85.8				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.4	24.4	18.2	87.0	2.2	21.1	23.3	1.4
2	13.6	24.0	18.5	86.0	1.0	24.4	25.4	3.9
3	14.0	25.4	18.4	86.0	.1	0.0	.1	5.4
4	15.7	25.7	20.0	81.3	1.0	48.8	49.8	3.6
5	15.0	22.0	18.3	86.7	1.8	5.2	7.0	.9
6	14.8	22.8	18.4	84.0	0.0	20.3	20.3	2.2
7	14.9	26.2	19.3	82.0	0.0	0.0	0.0	4.5
8	15.6	25.2	19.8	79.0	0.0	0.0	0.0	6.2
9	16.8	22.8	19.0	83.3	0.0	0.0	0.0	1.7
10	16.4	23.4	18.8	82.3	0.0	0.0	0.0	.7
11	15.6	24.5	19.4	83.0	.8	0.0	.8	6.4
12	16.8	24.6	19.2	85.0	1.7	12.1	13.8	2.0
13	15.2	21.0	17.5	92.0	.7	0.0	.7	0.0
14	15.8	22.8	18.2	91.0	.9	8.2	9.1	.8
15	16.0	24.0	17.8	85.0	21.4	.6	22.0	.5
16	15.3	21.8	17.3	89.7	7.9	9.3	17.2	.1
17	14.0	23.0	17.0	89.3	1.7	20.0	21.7	2.5
18	14.4	20.8	17.0	91.3	6.1	0.0	6.1	.8
19	14.7	22.9	17.6	87.0	16.9	22.4	39.3	4.0
20	14.0	23.2	18.0	85.0	2.0	0.0	2.0	3.5
21	15.0	22.9	17.8	86.7	11.3	39.7	51.0	2.0
22	13.8	23.2	17.6	87.7	.3	.2	.5	1.0
23	15.3	22.2	18.0	85.7	5.0	24.3	29.3	.6
24	14.8	22.2	17.7	81.3	13.0	1.6	14.6	1.1
25	15.0	24.2	18.2	87.0	6.4	7.2	13.6	1.2
26	16.0	23.3	18.5	86.0	6.1	3.6	9.7	2.3
27	15.0	23.8	18.5	87.0	8.6	13.1	21.7	1.9
28	14.3	25.8	18.3	81.3	0.0	10.7	10.7	.8
29								
30								
31								
Total					116.9	292.8	409.7	62.0
Promedio	15.2	23.5	18.3	85.7				

Estación : EL SAUCE
Año : 1999

Dpto. : NARIÑO
Mpio. : LA UNION

Latitud : 1 ° 37 'N
Longitud : 77 ° 6 'W
Altitud : 1800 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.4	23.0	17.2	84.7	2.2	5.7	7.9	.5
2	14.4	25.0	18.2	82.0	1.9	.7	2.6	5.0
3	15.0	25.0	18.6	84.3	3.0	0.0	3.0	5.8
4	15.0	24.4	18.6	85.0	.4	0.0	.4	2.8
5	16.2	22.4	18.2	85.7	1.7	0.0	1.7	1.0
6	15.0	25.2	19.5	81.7	0.0	5.0	5.0	7.0
7	15.2	25.0	18.8	77.0	9.2	0.0	9.2	5.7
8	15.0	25.4	19.2	74.0	6.6	1.7	8.3	8.2
9	16.2	25.2	19.2	82.3	3.2	0.0	3.2	5.2
10	15.6	26.5	19.3	81.3	0.0	0.0	0.0	7.0
11	15.2	27.0	20.3	74.0	0.0	0.0	0.0	8.5
12	16.0	26.3	21.5	62.0	0.0	0.0	0.0	3.2
13	16.0	27.8	19.8	69.7	0.0	0.0	0.0	5.5
14	15.2	25.0	19.3	83.3	3.4	4.1	7.5	4.2
15	15.0	25.8	17.7	88.3	19.4	2.9	22.3	1.5
16	15.0	23.0	18.4	87.3	2.4	32.4	34.8	1.3
17	15.4	23.0	18.8	88.7	0.0	14.8	14.8	1.9
18	15.0	24.0	18.8	81.7	.3	27.9	28.2	2.5
19	15.5	23.8	18.4	85.0	.1	8.1	8.2	2.9
20	15.0	24.0	18.8	85.7	.6	5.5	6.1	4.8
21	15.0	23.4	17.8	86.7	.2	0.0	.2	.8
22	15.8	21.5	18.1	86.7	3.7	0.0	3.7	.4
23	16.0	24.0	19.2	83.3	0.0	.7	.7	2.6
24	16.6	25.1	20.0	81.7	0.0	0.0	0.0	6.4
25	16.8	26.8	20.3	82.3	0.0	0.0	0.0	4.1
26	17.0	25.4	21.4	64.7	0.0	.1	.1	4.7
27	17.0	22.7	19.2	85.7	0.0	0.0	0.0	0.0
28	16.6	26.0	19.0	86.7	1.6	10.8	12.4	2.6
29	16.2	24.4	18.8	85.3	5.1	0.0	5.1	1.8
30	16.4	24.2	18.8	83.7	14.3	2.8	17.1	2.7
31	15.8	23.7	19.5	89.0	1.0	0.0	1.0	3.3
Total :					80.3	123.2	203.5	113.9
Promedio :	15.7	24.6	19.1	81.9				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.8	23.1	19.2	83.3	0.0	0.0	0.0	.1
2	15.7	27.0	20.4	78.3	1.0	0.0	1.0	8.6
3	16.2	25.5	20.0	83.?	13.6	.1	13.7	6.4
4	16.0	21.4	18.0	93.0	15.0	4.7	19.7	1.3
5	15.0	23.0	19.2	87.0	.3	27.6	27.9	.6
6	14.9	25.0	18.7	85.0	.4	.8	1.2	4.1
7	15.5	24.7	18.4	87.7	13.7	.9	14.6	2.6
8	15.6	24.9	18.2	85.7	27.2	.3	27.5	3.5
9	16.0	22.2	17.8	93.3	8.0	16.8	24.8	1.2
10	15.8	20.5	17.0	93.0	17.6	8.5	26.1	0.0
11	15.4	23.0	18.5	85.0	14.9	0.0	14.9	3.1
12	15.8	25.0	19.1	84.0	0.0	0.0	0.0	6.3
13	16.0	24.1	19.1	84.7	.6	0.0	.6	1.4
14	15.9	24.2	19.5	81.7	.2	1.2	1.4	2.2
15	16.1	24.4	18.7	87.3	0.0	0.0	0.0	1.5
16	15.5	27.0	20.7	60.0	0.0	0.0	0.0	4.7
17	17.5	25.8	20.4	57.0	0.0	.7	.7	7.4
18	15.3	24.8	18.8	85.3	0.0	0.0	0.0	6.7
19	16.3	25.0	19.9	84.7	0.0	0.0	0.0	4.4
20	15.2	24.9	19.5	86.3	.2	0.0	.2	5.7
21	16.8	25.7	20.8	67.7	0.0	0.0	0.0	3.9
22	16.5	25.0	19.7	80.0	.3	0.0	.3	2.8
23	16.9	24.6	19.2	84.3	.7	.6	1.3	3.3
24	15.0	25.8	18.5	81.7	0.0	11.0	11.0	3.9
25	14.0	23.2	18.2	87.0	.4	0.0	.4	1.9
26	15.2	23.1	18.4	81.7	3.4	10.6	14.0	1.8
27	15.0	21.2	17.4	89.3	1.8	1.1	2.9	0.0
28	15.3	24.3	18.4	90.7	9.4	.7	10.1	2.4
29	15.4	26.0	19.6	83.7	12.5	0.0	12.5	5.4
30	15.0	20.0	16.6	92.0	1.6	0.0	1.6	.2
31								
Total :					142.8	85.6	228.4	97.4
Promedio .	15.7	24.1	18.9	83.5				

Estación : EL SAUCE
Año : 1999

Dpto. : NARIÑO
Mpio. : LA UNION

Latitud : 1 ° 37 'N
Longitud : 77 ° 6 'W
Altitud : 1800 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.2	24.0	18.0	85.7	5.9	.2	6.1	3.7
2	15.2	23.9	17.7	87.3	2.3	7.7	10.0	1.8
3	14.0	23.2	18.4	88.0	7.5	21.6	29.1	3.0
4	15.9	22.9	17.7	92.3	1.3	0.0	1.3	.9
5	15.8	23.4	18.0	89.3	3.8	30.8	34.6	4.7
6	14.8	23.0	17.5	87.3	17.0	6.5	23.5	1.2
7	14.0	26.0	17.8	86.7	5.8	2.0	7.8	6.9
8	14.1	24.8	18.3	86.7	1.9	.5	2.4	4.5
9	15.0	21.9	17.2	89.3	0.0	0.0	0.0	.6
10	14.9	24.8	18.4	85.3	1.3	17.0	18.3	3.6
11	15.0	21.0	17.8	87.3	0.0	.1	.1	0.0
12	15.6	23.0	17.3	89.3	8.1	0.0	8.1	.7
13	15.0	20.8	16.5	92.3	2.0	0.0	2.0	.5
14	15.2	26.0	19.6	79.7	0.0	0.0	0.0	5.0
15	15.4	21.8	17.6	92.3	8.0	0.0	8.0	1.7
16	15.8	24.9	18.5	81.0	2.2	0.0	2.2	3.7
17	15.0	26.3	19.6	81.7	0.0	0.0	0.0	5.9
18	16.3	25.0	19.4	82.0	.1	0.0	.1	5.2
19	16.8	25.1	20.3	69.3	0.0	0.0	0.0	3.6
20	16.9	28.0	20.9	65.0	0.0	0.0	0.0	2.0
21	16.5	26.1	20.0	71.0	0.0	0.0	0.0	8.4
22	15.6	28.0	19.9	81.0	0.0	0.0	0.0	8.6
23	16.0	25.7	20.3	76.3	0.0	0.0	0.0	3.6
24	16.2	28.2	20.7	77.7	0.0	.5	.5	8.3
25	15.7	24.8	19.3	83.3	2.5	0.0	2.5	2.9
26	14.9	24.3	18.6	82.3	0.0	0.0	0.0	1.1
27	15.2	26.0	18.7	80.0	30.8	.7	31.5	7.3
28	15.6	24.7	19.5	85.0	0.0	.8	.8	3.5
29	16.7	25.8	19.9	82.7	0.0	0.0	0.0	5.9
30	15.9	26.2	19.3	73.0	.2	0.0	.2	4.6
31	15.8	29.8	22.1	51.7	0.0	0.0	0.0	10.3
Total					100.7	88.4	189.1	123.7
Promedio :	15.5	24.8	18.9	82.0				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	27.6	20.5	79.3	0.0	0.0	0.0	3.4
2	16.6	27.6	20.0	84.7	0.0	0.0	0.0	5.7
3	16.0	23.0	19.9	78.7	.3	.2	.5	.7
4	15.5	21.3	17.7	91.0	7.3	0.0	7.3	.7
5	14.7	24.8	17.9	88.3	.2	0.0	.2	2.1
6	15.8	25.3	19.9	81.7	0.0	0.0	0.0	4.7
7	16.5	22.2	18.6	84.3	1.1	20.2	21.3	2.6
8	15.9	20.3	17.3	94.7	.9	0.0	.9	1.2
9	14.8	26.0	19.1	85.0	1.0	0.0	1.0	7.3
10	15.8	25.9	19.2	87.0	3.8	0.0	3.8	6.1
11	16.0	23.8	18.9	85.7	13.3	0.0	13.3	3.2
12	15.0	27.0	19.6	83.7	1.8	60.3	62.1	8.6
13	15.1	21.9	18.0	85.0	0.0	0.0	0.0	.6
14	15.0	25.2	18.8	85.0	9.7	0.0	9.7	4.9
15	14.9	24.0	19.0	83.0	3.3	17.4	20.7	3.8
16	15.2	24.2	18.5	84.0	3.5	0.0	3.5	3.6
17	14.3	25.1	18.1	83.3	8.3	.3	8.6	4.1
18	16.0	22.8	18.9	88.3	1.4	1.8	3.2	2.5
19	15.0	24.0	19.2	88.0	34.6	0.0	34.6	4.6
20	16.0	23.8	19.5	86.3	3.5	.2	3.7	3.3
21	15.5	21.8	18.1	91.0	.5	0.0	.5	.8
22	15.0	25.0	18.5	88.0	8.7	0.0	8.7	3.6
23	15.5	25.4	19.2	81.7	0.0	0.0	0.0	8.1
24	14.2	26.5	19.4	80.3	0.0	0.0	0.0	9.1
25	14.9	25.0	19.2	84.7	1.2	21.5	22.7	5.5
26	15.5	22.8	17.6	81.3	11.0	0.0	11.0	1.9
27	14.0	23.0	18.3	82.0	0.0	7.1	7.1	5.6
28	15.0	20.0	17.1	92.0	2.7	0.0	2.7	.6
29	14.2	25.0	18.9	83.3	0.0	0.0	0.0	6.6
30	15.6	24.1	19.0	86.3	0.0	0.0	0.0	4.9
31								
Total					118.1	129.0	247.1	120.4
Promedio :	15.3	24.1	18.8	85.3				

Estación : EL SAUCE
Año : 1999

Dpto. : NARIÑO
Mpio. : LA UNION

Latitud : 1 ° 37 'N
Longitud : 77 ° 6 'W
Altitud : 1800 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.3	22.7	17.4	92.0	3.1	.2	3.3	2.0
2	14.5	23.0	16.8	88.7	42.8	.6	43.4	3.7
3	14.8	24.9	18.2	87.3	0.0	0.0	0.0	3.1
4	15.0	24.0	18.8	84.0	0.0	0.0	0.0	5.2
5	14.8	26.0	19.4	81.0	0.0	0.0	0.0	6.8
6	15.2	24.0	18.4	82.7	.5	0.0	.5	3.3
7	14.7	23.7	19.2	68.0	0.0	0.0	0.0	5.2
8	15.0	25.5	19.8	59.0	0.0	0.0	0.0	5.4
9	15.2	26.0	19.8	48.3	0.0	0.0	0.0	10.0
10	13.8	27.1	20.1	48.3	0.0	0.0	0.0	10.7
11	15.3	25.0	20.1	59.7	0.0	0.0	0.0	4.9
12	14.9	24.7	20.4	62.0	0.0	0.0	0.0	6.0
13	15.1	26.0	20.2	55.0	0.0	0.0	0.0	7.3
14	16.8	28.0	21.4	52.3	0.0	0.0	0.0	8.6
15	16.5	27.8	21.5	61.0	0.0	0.0	0.0	8.3
16	15.1	27.1	20.4	69.7	0.0	0.0	0.0	6.7
17	16.1	27.9	20.4	76.0	0.0	0.0	0.0	6.9
18	16.0	27.4	22.2	65.0	0.0	0.0	0.0	6.1
19	15.8	25.6	20.0	69.7	0.0	0.0	0.0	6.1
20	14.9	27.0	19.7	83.0	0.0	.7	.7	5.2
21	15.0	26.9	20.0	67.0	0.0	0.0	0.0	8.0
22	15.5	26.0	19.8	70.7	0.0	0.0	0.0	4.6
23	15.1	25.0	18.2	90.0	0.0	.1	.1	5.9
24	13.2	24.0	18.0	86.0	0.0	0.0	0.0	2.8
25	15.8	26.2	20.2	64.0	0.0	0.0	0.0	4.6
26	16.1	26.9	20.9	56.0	0.0	0.0	0.0	5.2
27	17.8	27.6	21.8	51.7	0.0	0.0	0.0	3.5
28	17.1	28.0	21.0	61.7	0.0	0.0	0.0	5.3
29	17.0	25.2	20.8	67.3	0.0	0.0	0.0	2.9
30	17.1	30.6	23.0	49.7	0.0	0.0	0.0	9.0
31	17.8	29.0	21.2	58.7	0.0	0.0	0.0	6.2
Total :					46.4	1.6	48.0	179.5
Promedio :	15.6	26.1	20.0	68.2				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.6	26.0	20.1	55.0	0.0	0.0	0.0	8.1
2	17.7	27.0	21.3	44.7	0.0	0.0	0.0	9.3
3	17.1	24.8	19.8	46.3	0.0	0.0	0.0	3.5
4	13.9	29.2	20.8	51.0	0.0	0.0	0.0	6.9
5	14.2	26.1	19.8	78.7	0.0	0.0	0.0	5.3
6	14.2	28.0	20.0	80.0	5.0	0.0	5.0	6.5
7	15.2	28.5	19.4	82.0	.8	0.0	.8	5.6
8	15.8	27.6	19.6	80.0	0.0	.6	.6	6.0
9	16.0	25.1	20.4	59.0	0.0	0.0	0.0	1.5
10	15.8	27.0	21.4	48.0	0.0	0.0	0.0	7.0
11	17.0	26.2	22.0	49.3	0.0	0.0	0.0	3.3
12	15.1	28.7	19.8	72.0	0.0	0.0	0.0	5.6
13	15.8	26.6	19.4	78.7	0.0	0.0	0.0	6.3
14	15.0	22.3	17.3	90.7	3.0	0.0	3.0	2.2
15	14.9	28.2	20.9	52.3	0.0	0.0	0.0	9.7
16	16.4	27.0	20.4	50.0	0.0	0.0	0.0	9.0
17	15.0	29.9	21.0	57.7	0.0	0.0	0.0	10.1
18	15.9	29.5	22.2	45.7	0.0	0.0	0.0	10.8
19	17.0	28.3	21.3	43.7	0.0	0.0	0.0	10.1
20	16.0	28.8	21.2	51.0	0.0	0.0	0.0	7.9
21	14.0	26.0	19.1	69.0	0.0	.4	.4	2.3
22	14.4	28.3	20.0	73.0	.9	0.0	.9	8.4
23	14.7	29.9	19.6	73.7	0.0	0.0	0.0	8.8
24	15.7	29.5	20.4	73.3	0.0	0.0	0.0	10.2
25	16.0	27.1	20.0	75.0	0.0	0.0	0.0	4.5
26	16.1	28.2	20.7	77.0	0.0	0.0	0.0	5.1
27	15.2	27.5	19.6	76.0	0.0	0.0	0.0	5.2
28	15.4	31.0	20.5	73.7	0.0	0.0	0.0	5.2
29	16.0	30.5	22.2	56.0	0.0	0.0	0.0	7.5
30	16.9	30.6	23.1	46.0	0.0	0.0	0.0	5.1
31	16.4	29.0	22.8	48.7	0.0	0.0	0.0	6.0
Total :					9.7	1.0	10.7	203.0
Promedio :	15.7	27.8	20.5	63.1				

Estación : EL SAUCE
Año : 1999

Dpto. : NARIÑO
Mpio. : LA UNION

Latitud : 1 ° 37 'N
Longitud : 77 ° 6 'W
Altitud : 1800 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.7	30.4	21.0	66.3	0.0	4	.4	5.3
2	15.0	25.8	18.7	76.0	0.0	0.0	0.0	2.2
3	14.7	28.2	19.7	73.0	0.0	0.0	0.0	4.9
4	15.9	26.2	19.5	76.0	.9	0.0	.9	1.6
5	15.1	28.4	21.2	69.0	0.0	0.0	0.0	4.4
6	15.8	27.2	20.0	78.7	0.0	0.0	0.0	3.7
7	16.0	29.8	20.6	76.0	0.0	0.0	0.0	5.6
8	16.1	25.0	18.8	85.0	6.6	3.9	10.5	1.4
9	15.0	23.6	18.0	85.7	6.9	11.5	18.4	2.1
10	14.3	21.5	17.0	88.3	2.5	.7	3.2	.7
11	14.2	24.0	18.6	83.0	7.1	3.0	10.1	3.4
12	14.8	21.8	17.2	88.7	2.8	0.0	2.8	.2
13	14.2	23.0	18.8	85.3	1.1	2.5	3.6	2.0
14	14.9	21.7	17.8	83.0	0.0	0.0	0.0	1.7
15	15.3	24.2	18.8	79.7	0.0	0.0	0.0	1.6
16	15.7	26.0	19.2	78.7	0.0	1.8	1.8	3.1
17	15.9	25.1	19.0	79.7	0.0	0.0	0.0	2.4
18	14.9	26.3	19.2	78.3	0.0	0.0	0.0	5.9
19	15.8	26.2	19.2	77.0	0.0	0.0	0.0	2.1
20	16.0	27.6	19.5	78.7	11.3	13.7	25.0	4.0
21	15.4	24.3	18.3	85.3	.4	5	.9	2.3
22	14.0	25.2	18.7	79.0	1.6	0.0	1.6	6.4
23	15.0	23.1	18.0	83.7	.2	0.0	.2	2.6
24	14.7	24.0	18.1	79.7	8.3	10.1	18.4	3.9
25	14.2	22.0	17.0	87.3	8.6	1.5	10.1	.5
26	14.3	21.1	16.3	93.3	4.7	5.5	10.2	1.0
27	14.8	18.2	16.2	94.7	3.6	.5	4.1	0.0
28	14.1	20.0	15.1	94.0	22.4	.8	23.2	0.0
29	13.3	22.0	16.7	89.3	4.3	1	4.4	1.1
30	14.0	21.8	17.3	85.3	2.0	0.0	2.0	1.9
31								
Total					95.3	56.5	151.8	78.0
Promedio	15.0	24.5	18.5	81.9				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.4	23.0	17.8	87.0	1.1	0.0	1.1	3.9
2	14.2	22.9	18.4	79.7	0.0	0.0	0.0	2.0
3	15.0	24.2	18.8	82.0	0.0	1.5	1.5	3.5
4	14.8	26.0	18.9	84.3	.5	0.0	.5	4.2
5	15.4	24.0	19.2	80.0	.2	0.0	.2	2.5
6	14.2	23.4	17.2	84.3	49.8	0.0	49.8	3.8
7	13.7	24.9	18.4	85.0	.2	0.0	.2	6.0
8	14.2	26.0	20.2	77.7	0.0	0.0	0.0	5.1
9	16.3	25.0	20.4	59.0	0.0	0.0	0.0	5.0
10	15.0	26.5	19.4	77.0	6.2	0.0	6.2	6.8
11	15.1	25.2	19.2	82.0	0.0	0.0	0.0	4.7
12	15.3	20.0	17.0	88.7	2.8	2	3.0	.1
13	14.7	22.9	18.6	75.3	0.0	0.0	0.0	2.8
14	15.0	25.2	19.0	75.0	0.0	0.0	0.0	1.4
15	16.0	26.2	19.1	74.7	0.0	0.0	0.0	6.4
16	13.9	25.6	19.2	76.0	0.0	17.1	17.1	7.3
17	14.2	24.1	17.6	84.7	10.4	4.6	15.0	5.1
18	14.0	23.7	18.4	85.7	1.4	27.2	28.6	2.4
19	14.8	23.0	18.0	85.3	0.0	0.0	0.0	2.0
20	15.0	25.6	19.3	81.0	0.0	0.0	0.0	8.6
21	14.7	25.1	19.2	77.3	0.0	0.0	0.0	4.4
22	14.0	24.1	18.2	83.7	3.0	4.0	7.0	4.2
23	14.9	22.7	17.4	92.7	17.0	0.0	17.0	2.5
24	14.8	23.7	18.0	92.3	13.6	57.9	71.5	3.5
25	14.0	23.2	18.2	82.0	.2	4.2	4.4	1.9
26	15.3	23.0	18.2	88.3	10.0	0.0	10.0	2.5
27	14.8	23.1	18.6	87.3	2.0	11.5	13.5	4.2
28	14.7	22.8	17.5	83.3	3.5	0.0	3.5	1.6
29	14.8	25.3	18.4	83.7	3.7	35.2	38.9	5.4
30	14.5	19.0	16.5	93.0	1.2	0.0	1.2	0.0
31	14.8	23.9	18.3	85.7	0.0	0.0	0.0	1.1
Total					126.8	163 4	290.2	114.9
Promedio	14.7	24.0	18.5	82.4				

Estación : EL SAUCE
Año : 1999

Dpto. : NARIÑO
Mpio. : LA UNION

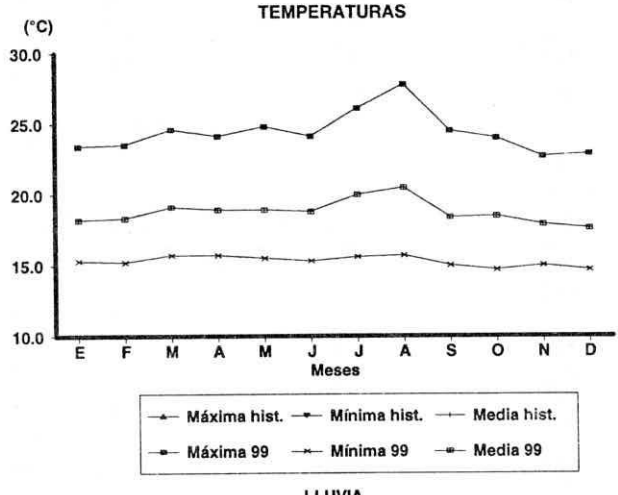
Latitud : 1 ° 37 'N
Longitud : 77 ° 6 'W
Altitud : 1800 m

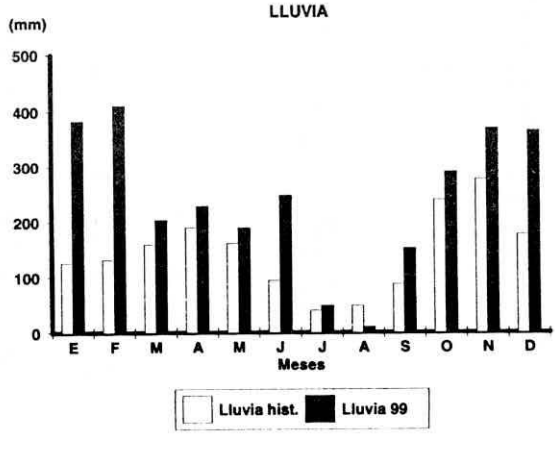
Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	23.5	18.4	85.0	0.0	7.9	7.9	4.5
2	15.4	23.8	18.2	86.0	24.6	10.5	35.1	5.3
3	15.0	23.0	18.3	88.3	1.9	37.7	39.6	2.6
4	15.2	24.0	18.3	84.7	10.0	46.5	56.5	4.8
5	15.0	22.0	17.8	87.3	2.3	2.1	4.4	1.8
6	15.8	23.7	18.1	86.0	26.1	3.7	29.8	3.2
7	15.0	24.2	18.3	85.3	4.9	.6	5.5	5.9
8	15.1	23.0	18.3	85.0	.2	0.0	.2	3.8
9	15.4	23.7	19.0	84.0	0.0	1.2	1.2	3.8
10	16.0	23.0	18.6	90.7	0.0	0.0	0.0	2.2
11	16.6	24.0	19.2	86.7	2.0	3.0	5.0	2.3
12	14.7	22.4	17.8	89.7	0.0	.3	.3	1.7
13	15.3	23.9	19.1	83.0	0.0	0.0	0.0	4.6
14	14.8	25.8	19.6	78.3	0.0	0.0	0.0	7.3
15	16.0	22.2	17.7	86.7	0.0	0.0	0.0	.7
16	14.0	26.5	19.3	75.0	0.0	45.9	45.9	9.5
17	14.3	23.1	17.1	85.3	.7	4.2	4.9	3.5
18	14.8	20.0	17.4	93.0	.1	0.0	.1	.2
19	16.0	23.0	18.2	86.7	2.2	5.6	7.8	3.5
20	14.8	19.6	16.5	90.7	0.0	1.6	1.6	.1
21	15.0	20.7	16.5	92.3	4.7	14.1	18.8	.1
22	14.2	23.0	18.1	86.0	5.9	14.5	20.4	.3
23	15.0	21.6	17.1	94.3	2.9	8.1	11.0	4.1
24	13.3	21.7	16.3	93.3	0.0	0.0	0.0	1.0
25	14.0	23.0	18.2	85.3	2.0	0.0	2.0	3.9
26	15.0	22.1	17.3	84.7	9.0	24.0	33.0	5.2
27	15.4	23.8	18.1	87.0	5.5	6.0	11.5	1.7
28	15.2	17.5	16.2	89.3	3.6	3.0	6.6	2.5
29	14.8	21.0	16.5	92.7	.3	5.5	5.8	1.3
30	13.6	22.0	17.2	86.7	3.2	11.1	14.3	.5
31								
Total :					112.1	257.1	369.2	91.9
Promedio :	15.0	22.7	17.9	87.0				

Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.0	20.9	16.5	88.7	16.9	7.3	24.2	2.1
2	14.2	24.2	17.3	85.0	.2	1.4	1.6	2.3
3	14.0	24.0	17.7	84.3	0.0	7.5	7.5	.9
4	15.0	22.1	17.8	89.7	.8	25.1	25.9	3.5
5	14.8	22.8	18.3	84.0	2.6	3.6	6.2	0.0
6	15.1	21.2	17.2	90.3	1.5	0.0	1.5	.6
7	15.2	23.8	18.2	84.0	9.5	0.0	9.5	2.3
8	14.8	25.0	18.2	86.3	.6	0.0	.6	3.1
9	15.0	25.6	19.0	84.0	0.0	0.0	0.0	6.7
10	15.2	23.5	18.1	84.3	9.4	0.0	9.4	4.9
11	14.8	23.0	18.5	85.7	0.0	0.0	0.0	3.1
12	15.3	23.2	18.1	88.0	7.0	22.6	29.6	1.5
13	15.0	22.8	18.2	86.7	3.7	15.8	19.5	1.3
14	15.1	21.8	17.6	88.3	2.0	25.0	27.0	1.1
15	15.0	21.2	17.0	89.7	4.0	15.0	19.0	.4
16	14.9	21.4	16.8	87.7	28.0	2.0	30.0	1.3
17	14.8	21.2	16.9	87.7	18.0	3.0	21.0	.5
18	14.0	23.1	17.2	85.3	10.0	0.0	10.0	3.9
19	14.8	22.0	17.3	88.0	2.0	0.0	2.0	1.8
20	15.6	22.7	18.0	87.7	10.0	4.0	14.0	3.3
21	15.8	22.3	17.7	91.3	3.0	10.0	13.0	2.2
22	15.1	22.0	16.9	90.3	15.0	13.0	28.0	1.2
23	14.0	25.0	17.9	83.7	0.0	17.0	17.0	9.2
24	14.3	18.8	15.7	91.3	6.5	5.0	11.5	0.0
25	14.0	22.2	16.8	87.3	2.0	8.0	10.0	2.8
26	14.2	23.0	17.4	88.7	0.0	0.0	0.0	2.1
27	14.5	25.0	17.9	81.3	0.0	.4	.4	3.8
28	14.7	25.5	18.0	81.7	0.0	4.0	4.0	9.3
29	14.0	23.1	17.6	85.3	1.1	4.8	5.9	5.1
30	14.9	23.7	17.2	89.3	7.8	.9	8.7	3.7
31	15.0	25.0	18.1	83.7	7.3	.2	7.5	6.5
Total					168.9	195.6	364.5	90.5
Promedio :	14.7	22.9	17.6	86.8				

Estación : EL SAUCE **Dpto. :** NARIÑO **Latitud :** 1 ° 37 'N
Año : 1999 **Mpio. :** LA UNION **Longitud :** 77 ° 6 'W
Altitud : 1800 **m**

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	15.3	23.4	18.2	26.0	14.0	85.8	382.7	28	79.4
Febrero	15.2	23.5	18.3	26.2	13.6	85.7	409.7	24	62.0
Marzo	15.7	24.6	19.1	27.8	14.4	81.9	203.5	24	113.9
Abril	15.7	24.1	18.9	27.0	14.0	83.5	228.4	23	97.4
Mayo	15.5	24.8	18.9	29.8	14.0	82.0	189.1	20	123.7
Junio	15.3	24.1	18.8	27.6	14.0	85.3	247.1	22	120.4
Julio	15.6	26.1	20.0	30.6	13.2	68.2	48.0	5	179.5
Agosto	15.7	27.8	20.5	31.0	13.9	63.1	10.7	6	203.0
Septiembre	15.0	24.5	18.4	30.4	13.3	81.9	151.8	20	78.0
Octubre	14.7	24.0	18.5	26.5	13.7	82.4	290.2	20	114.9
Noviembre	15.0	22.7	17.9	26.5	13.3	87.0	369.2	25	91.9
Diciembre	14.7	22.9	17.6	25.6	14.0	86.8	364.5	28	90.5
Promedio :	15.3	24.4	18.8			81.1			
Absoluta :				31.0	13.2				
Total :							2894.9	245	1354.6





Estación : OSPINA PEREZ
Año : 1999

Dpto. : NARIÑO
Mpio. : CONSACA

Latitud : 1 ° 15 'N
Longitud : 77 ° 29 'W
Altitud : 1700 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.4	23.4	18.4	86.7	22.2	.4	22.6	2.5
2	16.2	24.4	18.6	86.0	6.0	8.8	14.8	3.0
3	16.0	23.6	18.8	84.7	2.4	4.6	7.0	2.8
4	15.8	24.0	18.7	87.7	1.6	3.6	5.2	1.1
5	15.9	20.2	17.1	91.7	11.4	1.3	12.7	.1
6	15.2	25.2	18.8	83.0	0.0	26.2	26.2	4.6
7	15.4	24.5	19.4	80.0	.1	23.1	23.2	3.8
8	15.6	22.2	18.2	86.7	.1	.3	.4	1.0
9	16.4	24.2	18.6	86.3	1.1	2.0	3.1	2.5
10	16.0	23.2	17.9	87.3	8.3	5.9	14.2	1.8
11	14.8	23.0	18.6	83.3	0.0	0.0	0.0	5.0
12	16.0	24.2	18.6	81.7	.5	8.2	8.7	3.8
13	15.8	21.0	17.5	92.7	1.4	1.2	2.6	1.3
14	14.6	20.0	16.4	94.7	1.3	.7	2.0	.2
15	14.0	24.1	18.6	78.0	0.0	1.6	1.6	7.0
16	14.9	23.0	17.8	82.3	.2	5.5	5.7	4.7
17	15.0	25.1	19.0	76.7	0.0	2.1	2.1	6.2
18	16.5	21.4	18.0	86.7	1.4	21.6	23.0	.6
19	15.6	22.0	17.8	88.3	5.0	12.0	17.0	1.3
20	14.2	22.1	17.7	83.7	7.3	9.0	16.3	3.4
21	15.5	24.0	18.2	87.0	.7	.2	.9	2.4
22	14.8	23.0	18.0	83.3	.5	.8	1.3	3.7
23	15.8	21.2	17.8	88.0	.7	4.7	5.4	1.4
24	15.0	21.0	16.8	91.7	17.0	2.0	19.0	.9
25	15.8	23.4	18.4	87.0	0.0	17.0	17.0	1.7
26	16.3	23.6	18.4	86.7	7.1	11.1	18.2	1.0
27	15.1	23.2	18.0	83.0	5.2	6.1	11.3	2.0
28	15.5	25.0	18.9	80.7	0.0	7.0	7.0	7.0
29	15.8	23.1	18.0	90.3	0.0	0.0	0.0	1.3
30	15.0	24.8	18.8	81.0	0.0	0.0	0.0	3.9
31	15.1	25.0	19.4	78.0	0.0	0.0	0.0	7.0
Total					101.5	187.0	288.5	89.0
Promedio :	15.5	23.2	18.2	85.3				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.8	25.0	18.6	81.3	.9	16.5	17.4	4.4
2	14.8	25.1	18.8	76.7	0.0	51.4	51.4	7.5
3	14.6	22.0	17.7	81.3	0.0	0.0	0.0	3.4
4	15.2	25.1	19.0	75.7	.3	24.7	25.0	3.5
5	14.8	21.4	17.4	88.3	0.0	1.8	1.8	0.0
6	14.9	23.6	18.5	82.7	16.1	12.0	28.1	3.2
7	15.0	23.6	19.0	77.7	0.0	0.0	0.0	4.1
8	14.8	24.8	19.0	81.0	0.0	0.0	0.0	5.8
9	17.0	22.1	18.6	91.3	0.0	0.0	0.0	1.8
10	16.8	22.0	18.3	92.3	8.3	0.0	8.3	.6
11	14.3	24.7	19.0	81.0	3.5	0.0	3.5	5.5
12	16.6	23.4	18.8	87.7	6.0	0.0	6.0	2.5
13	15.1	20.0	17.4	91.7	0.0	5.0	5.0	.2
14	15.5	22.3	18.2	90.0	0.0	16.0	16.0	1.2
15	15.0	19.5	17.1	91.7	13.0	42.0	55.0	0.0
16	15.6	22.6	17.7	85.7	4.0	22.0	26.0	1.7
17	14.8	22.8	17.2	88.0	.9	.6	1.5	1.4
18	15.1	21.0	17.6	90.3	0.0	0.0	0.0	.1
19	15.0	23.3	18.6	82.0	0.0	15.0	15.0	3.6
20	15.5	23.1	19.0	81.3	.4	10.5	10.9	1.5
21	15.8	23.4	18.4	84.0	5.0	12.0	17.0	2.1
22	15.4	21.2	17.8	82.3	.4	0.0	.4	0.0
23	15.2	24.0	19.0	79.3	0.0	9.1	9.1	3.1
24	14.8	21.4	17.6	86.0	2.9	4.9	7.8	.7
25	15.4	24.0	18.2	85.7	3.5	6.5	10.0	2.1
26	15.8	23.4	18.4	88.3	0.0	6.8	6.8	2.7
27	15.6	24.7	18.4	83.7	.3	1.9	2.2	3.4
28	15.2	23.9	18.0	83.7	7.0	24.0	31.0	1.4
29								
30								
31								
Total					72.5	282.7	355.2	67.5
Promedio :	15.3	23.0	18.3	84.7				

Estación : OSPINA PEREZ
Año : 1999

Dpto. : NARIÑO
Mpio. : CONSACA

Latitud : 1 ° 15 'N
Longitud : 77 ° 29 'W
Altitud : 1700 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.2	20.5	17.4	86.0	2.0	1.6	3.6	0.0
2	14.9	24.0	18.1	83.0	1.0	0.0	1.0	5.4
3	15.5	24.2	18.6	78.3	0.0	0.0	0.0	3.6
4	15.0	23.0	18.2	87.0	4.0	0.0	4.0	2.2
5	15.1	20.0	17.1	84.7	0.0	0.0	0.0	.7
6	13.8	25.0	18.6	73.7	0.0	17.0	17.0	6.3
7	14.8	25.6	19.1	79.0	1.0	0.0	1.0	5.4
8	13.5	26.5	19.8	73.7	1.0	20.0	21.0	8.8
9	16.2	25.2	19.6	81.3	0.0	0.0	0.0	5.2
10	15.0	26.2	19.8	79.0	0.0	0.0	0.0	9.7
11	15.5	29.0	21.6	69.0	0.0	0.0	0.0	8.1
12	16.0	27.8	20.8	70.0	0.0	0.0	0.0	5.5
13	15.9	26.1	19.7	81.0	15.0	.1	15.1	3.3
14	15.4	25.0	19.1	86.0	15.0	5.0	20.0	4.7
15	16.8	23.0	18.4	88.0	10.0	5.0	15.0	1.9
16	14.8	22.0	18.3	86.0	0.0	7.0	7.0	.4
17	15.2	24.0	18.0	87.0	2.0	9.0	11.0	1.9
18	14.7	24.9	18.3	85.7	0.0	0.0	0.0	1.8
19	15.2	24.8	18.6	82.7	0.0	3.0	3.0	4.8
20	14.4	24.0	17.9	85.0	6.0	5.0	11.0	2.7
21	15.2	22.0	16.8	92.0	3.0	16.0	19.0	1.6
22	15.3	19.5	17.2	93.0	0.0	0.0	0.0	0.0
23	14.8	23.2	17.8	87.3	0.0	0.0	0.0	.6
24	14.9	23.6	18.7	82.3	0.0	0.0	0.0	4.2
25	15.0	25.3	19.2	84.0	.3	0.0	.3	6.3
26	15.2	25.0	19.4	78.0	0.0	0.0	0.0	4.0
27	16.0	22.0	17.8	89.7	0.0	0.0	0.0	0.0
28	15.3	21.9	17.7	91.3	6.5	8.2	14.7	1.1
29	15.0	23.0	17.8	95.0	6.8	0.0	6.8	1.0
30	15.8	22.7	18.5	90.0	2.5	3.4	5.9	3.5
31	16.0	25.3	19.4	82.0	.8	0.0	.8	2.6
Total :					76.9	100.3	177.2	107.3
Promedio :	15.2	24.0	18.6	83.6				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.8	23.9	19.0	91.0	0.0	0.0	0.0	.2
2	15.2	28.6	20.6	78.7	0.0	0.0	0.0	8.8
3	15.9	26.6	19.5	87.0	.6	.5	1.1	5.6
4	16.0	24.6	18.8	86.0	14.3	7.0	21.3	2.4
5	15.9	23.6	18.8	89.0	0.0	7.3	7.3	1.4
6	15.8	25.0	19.0	86.7	3.1	6.0	9.1	4.0
7	15.6	25.4	19.2	80.7	.7	7.2	7.9	3.0
8	16.2	25.6	19.0	87.3	.2	4.2	4.4	4.4
9	16.0	22.2	18.4	91.3	4.6	3.5	8.1	.6
10	15.8	20.0	16.8	97.7	13.4	7.1	20.5	.1
11	15.0	24.2	18.8	86.0	4.2	1.0	5.2	5.9
12	15.4	25.2	18.8	89.3	2.2	0.0	2.2	5.3
13	15.9	24.8	19.3	86.3	0.0	2.7	2.7	1.8
14	15.8	24.0	19.3	88.3	0.0	8.8	8.8	2.2
15	16.8	23.5	18.8	90.3	0.0	1.2	1.2	1.5
16	16.0	27.2	20.8	64.3	0.0	0.0	0.0	5.1
17	16.9	25.1	21.4	51.3	0.0	0.0	0.0	5.0
18	16.6	25.0	19.6	84.7	0.0	0.0	0.0	1.5
19	17.5	25.3	20.0	83.0	0.0	.3	.3	5.7
20	14.9	24.2	18.9	85.0	0.0	0.0	0.0	6.0
21	15.4	24.0	19.3	85.0	0.0	0.0	0.0	3.6
22	15.9	26.2	19.4	85.7	0.0	0.0	0.0	3.1
23	16.2	24.0	19.2	89.0	.8	.4	1.2	2.3
24	16.0	24.4	19.0	86.7	16.2	9.5	25.7	3.7
25	14.8	24.6	18.8	83.7	0.0	0.0	0.0	2.9
26	16.8	23.6	18.4	85.3	.8	3.1	3.9	3.2
27	15.8	22.5	18.0	89.0	7.0	.7	7.7	.2
28	15.6	25.0	18.9	87.7	2.0	1.5	3.5	2.5
29	15.6	27.4	20.0	82.7	.6	5.9	6.5	4.3
30	15.2	20.0	16.8	94.0	8.1	0.0	8.1	0.0
31								
Total :					78.8	77.9	156.7	96.3
Promedio :	15.9	24.5	19.1	85.1				

Estación : OSPINA PEREZ
Año : 1999

Dpto. : NARIÑO
Mpio. : CONSACA

Latitud : 1 ° 15 'N
Longitud : 77 ° 29 'W
Altitud : 1700 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.2	24.8	18.9	81.7	0.0	1.9	1.9	6.4
2	15.8	23.2	18.0	88.0	4.5	7.2	11.7	2.1
3	15.6	24.2	18.1	89.0	3.0	0.0	3.0	3.7
4	15.8	22.7	18.0	91.7	.8	0.0	.8	.7
5	14.8	23.7	18.2	91.0	2.6	10.5	13.1	4.5
6	15.0	24.6	18.5	88.3	1.5	5.4	6.9	.9
7	15.2	25.4	18.8	85.0	2.0	.5	2.5	5.2
8	14.2	23.8	18.7	87.7	3.9	0.0	3.9	3.7
9	15.2	21.4	18.0	84.0	0.0	.4	.4	.2
10	15.4	23.9	19.0	82.0	0.0	0.0	0.0	3.2
11	15.9	20.8	18.1	83.0	0.0	1.9	1.9	0.0
12	15.8	21.4	18.0	90.7	.9	2.1	3.0	.7
13	14.8	21.2	17.2	90.3	2.6	0.0	2.6	2.5
14	15.0	25.0	18.8	85.3	1.0	3.1	4.1	6.4
15	15.0	22.0	18.2	91.0	.1	0.0	.1	1.5
16	15.4	22.1	18.3	89.0	2.2	.1	2.3	1.4
17	13.8	26.0	19.5	77.3	0.0	0.0	0.0	5.0
18	15.6	23.8	18.9	85.0	0.0	0.0	0.0	2.9
19	15.9	25.4	20.0	80.7	0.0	0.0	0.0	2.9
20	15.8	25.6	19.3	81.7	0.0	0.0	0.0	2.2
21	15.0	24.8	19.1	72.0	0.0	0.0	0.0	4.7
22	14.8	26.6	20.0	75.7	1.0	0.0	1.0	7.6
23	15.0	26.8	19.4	79.3	1.8	0.0	1.8	6.0
24	15.2	26.2	20.4	72.7	0.0	0.0	0.0	6.6
25	15.8	23.6	19.0	85.0	1.8	0.0	1.8	1.0
26	14.2	23.2	18.6	83.0	0.0	0.0	0.0	.5
27	13.9	27.4	19.6	77.3	3.6	.1	3.7	6.0
28	16.2	27.8	20.1	81.7	0.0	0.0	0.0	3.6
29	16.9	25.4	20.0	84.7	0.0	0.0	0.0	7.3
30	15.9	27.1	19.9	74.7	0.0	0.0	0.0	4.4
31	15.8	27.8	20.3	61.3	0.0	0.0	0.0	10.4
Total :					33.3	33.2	66.5	114.2
Promedio :	15.3	24.4	18.9	82.9				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.3	24.4	18.8	84.0	0.0	0.0	0.0	4.6
2	15.6	26.4	20.0	84.0	11.7	2.2	13.9	5.7
3	16.0	25.0	19.5	83.7	0.0	1.4	1.4	1.8
4	16.2	19.4	17.4	92.7	4.1	0.0	4.1	0.0
5	14.9	23.4	19.1	75.0	1.1	0.0	1.1	.8
6	15.0	24.8	18.9	73.7	0.0	0.0	0.0	5.9
7	16.8	23.2	18.6	87.7	1.1	6.5	7.6	1.2
8	15.6	21.3	18.4	87.0	.2	3.2	3.4	.3
9	15.6	25.6	19.4	81.7	0.0	0.0	0.0	7.5
10	14.8	27.4	18.6	72.3	2.0	0.0	2.0	4.1
11	15.0	24.8	18.3	82.0	0.0	.6	.6	1.6
12	14.2	27.2	19.8	73.7	5.2	22.5	27.7	7.7
13	15.8	22.6	18.2	75.3	0.0	0.0	0.0	.1
14	14.6	24.8	18.8	78.7	3.5	.1	3.6	4.5
15	13.9	25.6	19.0	75.7	.5	9.6	10.1	7.7
16	15.2	23.6	18.6	83.3	3.7	.5	4.2	2.5
17	15.8	22.5	18.4	88.3	3.1	11.0	14.1	2.8
18	15.6	23.0	18.7	82.7	5.4	8.3	13.7	2.3
19	15.4	23.6	18.6	85.3	14.0	1.1	15.1	4.3
20	15.9	23.2	18.8	85.3	1.2	0.0	1.2	4.1
21	16.8	21.4	17.8	93.0	5.6	.1	5.7	.9
22	16.1	22.8	18.3	90.3	6.1	0.0	6.1	1.8
23	16.0	24.0	18.7	82.3	1.8	0.0	1.8	4.0
24	13.8	24.1	19.0	71.3	0.0	0.0	0.0	6.2
25	13.9	25.6	19.2	69.7	0.0	0.0	0.0	3.8
26	15.2	21.8	17.2	87.7	2.3	0.0	2.3	2.5
27	13.2	23.0	17.8	82.0	2.9	1.5	4.4	2.4
28	15.0	22.0	17.3	90.7	.5	0.0	.5	1.2
29	13.7	25.4	18.6	75.0	.8	0.0	.8	6.0
30	15.8	22.8	18.0	85.7	.7	1.5	2.2	.9
31								
Total :					77.5	70.1	147.6	99.2
Promedio :	15.2	23.8	18.6	82.0				

Estación : OSPINA PEREZ
Año : 1999

Dpto. : NARIÑO
Mpio. : CONSACA

Latitud : 1 ° 15 'N
Longitud : 77 ° 29 'W
Altitud : 1700 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.4	22.8	18.2	71.7	.2	0.0	.2	2.4
2	14.2	22.0	17.6	84.0	8.5	11.5	20.0	2.1
3	15.2	22.2	18.2	86.3	1.6	0.0	1.6	2.2
4	14.5	24.8	19.0	74.7	0.0	0.0	0.0	6.3
5	14.6	26.2	19.4	68.7	0.0	0.0	0.0	7.4
6	15.6	26.4	17.8	79.3	.9	0.0	.9	.3
7	14.6	23.8	18.2	77.7	0.0	0.0	0.0	3.0
8	13.8	25.4	20.4	47.7	0.0	0.0	0.0	8.0
9	13.6	26.0	20.4	39.0	0.0	0.0	0.0	9.9
10	12.7	27.6	19.4	52.0	0.0	0.0	0.0	10.1
11	13.9	25.4	19.2	65.3	0.0	0.0	0.0	3.9
12	13.8	25.2	18.3	77.0	0.0	0.0	0.0	6.3
13	13.9	26.8	20.4	50.3	0.0	0.0	0.0	7.7
14	15.4	29.0	21.2	38.3	0.0	0.0	0.0	5.5
15	15.0	28.8	19.8	61.0	0.0	0.0	0.0	8.4
16	15.1	25.2	18.8	77.7	0.0	0.0	0.0	3.2
17	15.0	28.6	20.0	69.7	0.0	0.0	0.0	6.8
18	16.0	28.8	21.6	62.3	0.0	0.0	0.0	3.1
19	15.9	26.4	20.1	73.7	0.0	0.0	0.0	3.5
20	15.0	27.6	19.6	73.7	.1	4.9	5.0	4.6
21	16.2	26.4	19.6	68.0	0.0	0.0	0.0	6.1
22	14.5	27.2	18.6	75.7	0.0	.4	.4	3.0
23	15.4	24.2	18.4	79.7	0.0	0.0	0.0	4.3
24	15.1	25.0	19.6	76.3	0.0	0.0	0.0	4.1
25	16.0	26.8	21.4	45.7	0.0	0.0	0.0	7.8
26	15.5	27.0	21.0	48.3	0.0	0.0	0.0	3.6
27	16.0	27.7	20.5	55.7	0.0	0.0	0.0	5.1
28	15.8	26.0	19.8	67.7	0.0	0.0	0.0	3.0
29	15.8	23.4	20.0	56.3	0.0	0.0	0.0	1.2
30	17.0	29.0	23.5	30.7	0.0	0.0	0.0	9.8
31	16.8	27.2	20.6	63.7	0.0	0.0	0.0	5.8
Total					11.3	16.8	28.1	158.5
Promedio	15.1	26.1	19.7	64.4				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.2	25.8	21.7	33.0	0.0	0.0	0.0	9.0
2	16.3	26.4	20.5	47.7	0.0	0.0	0.0	9.9
3	15.1	24.6	20.1	34.3	0.0	0.0	0.0	8.9
4	13.5	26.8	20.8	54.0	0.0	0.0	0.0	6.3
5	14.6	25.4	19.0	74.7	0.0	0.0	0.0	5.2
6	13.8	28.2	19.2	72.0	0.0	0.0	0.0	6.5
7	15.2	27.2	19.4	74.0	.9	39.0	39.9	6.8
8	15.8	28.0	19.3	79.0	0.0	2.6	2.6	5.5
9	17.4	25.6	21.2	40.0	0.0	0.0	0.0	3.7
10	16.2	26.5	20.8	46.0	0.0	0.0	0.0	5.2
11	15.9	25.6	20.8	41.7	0.0	0.0	0.0	7.1
12	14.4	24.4	18.6	66.0	.1	0.0	.1	4.2
13	15.3	24.4	18.1	83.7	1.9	.1	2.0	2.1
14	14.6	22.8	17.4	83.0	3.5	0.0	3.5	1.2
15	14.5	26.0	20.0	59.7	0.0	0.0	0.0	7.4
16	15.0	25.2	20.4	47.0	0.0	0.0	0.0	7.4
17	13.3	27.0	19.4	53.0	0.0	0.0	0.0	8.0
18	14.9	28.0	21.7	34.7	0.0	0.0	0.0	10.2
19	17.7	27.8	21.6	31.3	0.0	0.0	0.0	9.0
20	14.2	25.6	19.0	52.7	0.0	0.0	0.0	7.3
21	11.8	23.0	17.4	62.7	0.0	.2	.2	2.4
22	14.8	27.2	18.6	74.0	1.6	0.0	1.6	6.5
23	13.2	27.0	18.8	62.0	0.0	0.0	0.0	9.4
24	13.8	28.8	19.6	68.0	0.0	0.0	0.0	6.3
25	13.2	25.4	18.8	71.0	0.0	0.0	0.0	4.6
26	15.0	27.8	20.0	73.3	0.0	0.0	0.0	5.9
27	15.6	27.0	19.4	74.7	0.0	0.0	0.0	6.2
28	14.9	27.8	19.8	69.0	0.0	0.0	0.0	6.9
29	14.1	29.0	20.6	68.0	0.0	0.0	0.0	9.2
30	16.0	28.8	22.6	38.3	0.0	0.0	0.0	7.6
31	17.9	29.6	21.9	45.3	0.0	0.0	0.0	9.6
Total					8.0	41.9	49.9	205.5
Promedio	14.9	26.5	19.9	58.5				

Estación : OSPINA PEREZ
Año : 1999

Dpto. : NARIÑO
Mpio. : CONSACA

Latitud : 1 ° 15 'N
Longitud : 77 ° 29 'W
Altitud : 1700 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	27.8	19.8	68.7	0.0	1.3	1.3	7.3
2	14.9	24.0	18.6	78.0	0.0	0.0	0.0	4.1
3	13.7	26.1	19.0	63.7	0.0	0.0	0.0	5.7
4	15.0	25.8	18.8	75.3	0.0	0.0	0.0	2.1
5	15.1	27.2	20.0	71.0	.4	0.0	.4	5.3
6	15.0	27.5	19.2	76.3	.4	0.0	.4	8.9
7	15.2	27.6	19.4	72.7	1.0	0.0	1.0	6.4
8	14.8	24.0	18.6	76.0	1.1	14.0	15.1	2.8
9	15.2	25.1	18.8	80.7	2.4	17.0	19.4	3.6
10	15.0	22.5	18.0	83.3	2.6	.8	3.4	.9
11	15.4	24.0	18.8	79.7	1.5	8.4	9.9	2.1
12	15.0	22.8	18.0	84.7	1.0	6.7	7.7	1.0
13	14.9	25.0	18.6	83.0	10.0	10.9	20.9	2.9
14	14.8	23.5	18.4	78.0	0.0	.6	.6	2.3
15	15.0	25.2	19.3	79.0	0.0	0.0	0.0	1.4
16	15.6	25.0	18.7	82.3	0.0	1.6	1.6	3.8
17	15.8	24.4	18.4	86.0	0.0	0.0	0.0	1.7
18	14.4	25.0	18.4	78.7	0.0	0.0	0.0	3.6
19	14.2	26.5	18.5	79.3	1.2	0.0	1.2	3.0
20	15.9	27.4	19.9	76.3	14.4	9.2	23.6	6.7
21	15.9	24.5	18.6	81.3	2.9	0.0	2.9	2.3
22	14.8	25.0	18.6	79.3	2.3	0.0	2.3	5.4
23	14.0	22.7	17.5	85.3	.1	0.0	.1	4.1
24	14.2	24.1	17.8	77.3	11.7	.7	12.4	5.3
25	14.3	21.0	16.8	88.3	2.9	9.5	12.4	1.4
26	14.0	20.8	16.8	89.3	3.2	6.8	10.0	.3
27	14.2	22.2	17.6	86.0	2.9	.4	3.3	.1
28	14.8	20.2	16.7	91.0	5.6	0.0	5.6	0.0
29	14.9	24.4	18.2	81.7	2.5	0.0	2.5	.7
30	13.9	21.8	17.8	85.0	.2	6.4	6.6	3.9
31								
Total					70.3	94.3	164.6	99.1
Promedio :	14.9	24.4	18.5	79.9				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	22.0	17.7	86.3	2.4	0.0	2.4	3.9
2	13.9	24.4	18.4	74.3	1.6	0.0	1.6	5.7
3	14.0	24.8	18.8	80.7	.7	1.8	2.5	3.1
4	14.2	26.5	19.2	77.7	.3	0.0	.3	4.7
5	15.0	23.6	18.3	83.0	0.0	0.0	0.0	1.8
6	14.0	25.4	18.0	79.7	.7	2.4	3.1	6.3
7	12.8	25.0	18.4	76.0	0.0	0.0	0.0	7.3
8	12.9	28.4	19.4	77.3	0.0	.3	.3	7.9
9	14.0	24.2	18.6	80.3	0.0	0.0	0.0	5.4
10	13.9	23.0	18.2	80.0	0.0	0.0	0.0	5.7
11	13.8	24.4	18.7	78.0	2.6	.5	3.1	6.1
12	14.8	20.0	16.8	89.0	.8	0.0	.8	0.0
13	15.0	25.0	18.4	80.7	0.0	0.0	0.0	5.8
14	13.8	23.1	17.9	79.3	0.0	0.0	0.0	3.5
15	14.4	25.0	18.8	72.0	0.0	0.0	0.0	0.0
16	13.0	24.8	18.6	76.0	.1	0.0	.1	4.7
17	13.8	25.3	18.8	74.3	0.0	.1	.1	1.3
18	15.8	23.2	17.8	88.3	2.1	7.8	9.9	1.2
19	15.1	26.0	18.4	81.3	.3	0.0	.3	3.3
20	14.7	25.1	19.2	80.0	0.0	0.0	0.0	2.5
21	13.9	24.7	18.8	76.3	0.0	0.0	0.0	5.7
22	13.3	25.4	18.6	75.7	.6	27.4	28.0	.7
23	15.3	21.8	17.2	89.0	11.4	0.0	11.4	5.4
24	15.0	24.2	18.0	85.3	2.4	8.3	10.7	5.1
25	14.2	23.6	18.0	83.3	5.7	.3	6.0	5.9
26	15.8	24.6	18.8	82.3	4.1	7.4	11.5	4.6
27	15.3	24.0	18.5	82.7	.1	.1	.2	2.1
28	15.4	23.8	18.6	81.7	0.0	0.0	0.0	5.9
29	15.1	26.0	18.4	81.0	0.0	20.9	20.9	5.5
30	15.0	22.0	17.8	87.7	4.8	0.0	4.8	0.0
31	15.2	24.2	18.4	80.0	0.0	0.0	0.0	0.0
Total :					40.7	77.3	118.0	121.1
Promedio :	14.4	24.3	18.4	80.6				

Estación : OSPINA PEREZ
Año : 1999

Dpto. : NARIÑO
Mpio. : CONSACA

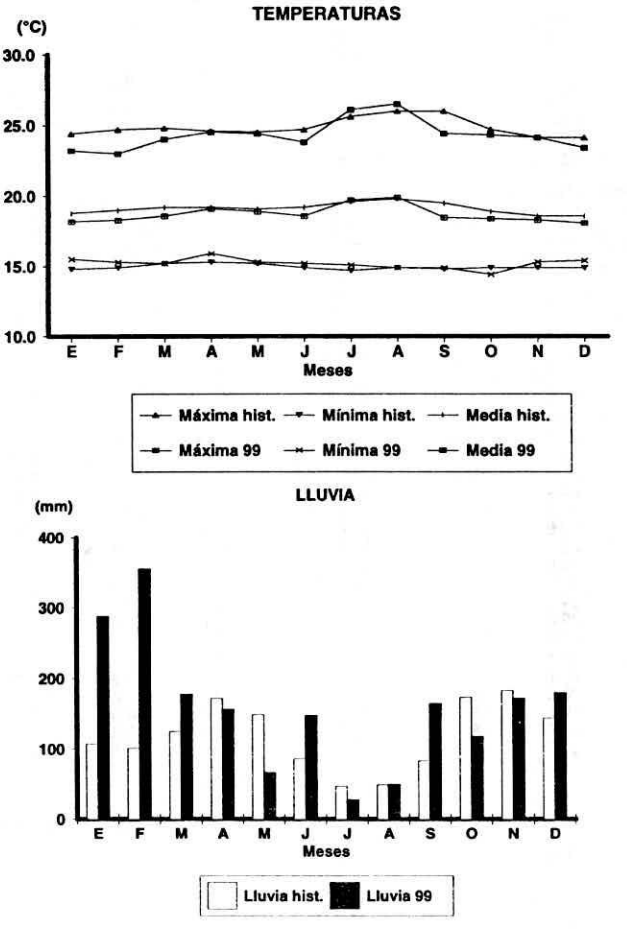
Latitud : 1 ° 15 'N
Longitud : 77 ° 29 'W
Altitud : 1700 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.0	26.4	18.9	72.7	0.0	2.8	2.8	7.8
2	15.8	26.0	19.2	80.0	0.0	7.3	7.3	5.0
3	15.9	25.4	18.8	83.0	2.5	11.4	13.9	5.6
4	15.8	26.9	20.0	76.0	0.0	10.9	10.9	7.1
5	16.0	25.0	19.0	79.7	1.0	11.8	12.8	3.7
6	16.2	23.2	18.7	84.3	1.1	.6	1.7	2.9
7	15.8	25.8	19.1	77.7	8.2	0.0	8.2	6.8
8	16.0	25.0	18.5	81.0	0.0	0.0	0.0	2.4
9	16.1	25.2	19.2	81.0	0.0	0.0	0.0	6.8
10	16.0	24.2	18.6	84.7	0.0	.9	.9	3.0
11	15.6	24.0	18.0	85.3	.2	7.8	8.0	5.2
12	14.8	23.2	17.6	89.3	0.0	3.5	3.5	3.3
13	14.0	24.8	18.2	80.7	0.0	0.0	0.0	8.6
14	12.9	25.2	18.7	76.7	0.0	.1	.1	8.6
15	15.8	25.0	19.0	75.7	0.0	0.0	0.0	5.5
16	15.4	25.8	19.2	75.7	0.0	8.5	8.5	8.3
17	15.8	23.0	17.7	84.7	.1	.1	.2	3.3
18	15.1	22.8	18.2	83.7	.2	3.4	3.6	3.0
19	15.0	23.0	18.0	85.0	2.9	1.6	4.5	2.1
20	14.9	21.0	16.9	90.0	0.0	3.9	3.9	.5
21	15.0	20.0	16.8	94.0	13.2	6.3	19.5	0.0
22	15.2	20.2	16.8	93.3	2.9	36.5	39.4	0.0
23	14.0	23.2	17.6	80.7	4.4	10.3	14.7	3.9
24	15.0	24.0	17.6	82.3	0.0	.7	.7	4.0
25	14.1	24.1	18.0	81.3	0.0	.6	.6	7.0
26	14.9	24.8	17.9	82.0	0.0	.4	.4	6.0
27	15.5	23.7	18.3	84.7	.2	.8	1.0	1.4
28	16.0	24.1	18.7	84.3	.2	.9	1.1	4.1
29	15.6	23.4	18.5	85.0	0.0	0.0	0.0	3.4
30	15.8	23.2	18.0	89.3	.1	3.7	3.8	1.9
31								
Total					37.2	134.8	172.0	131.2
Promedio	15.3	24.1	18.3	82.8				

Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.4	21.6	17.6	93.0	1.0	2.1	3.1	.4
2	14.4	23.8	17.5	87.7	1.7	0.0	1.7	2.1
3	15.8	25.0	18.6	83.7	0.0	9.4	9.4	3.8
4	15.6	24.6	19.0	83.7	.8	8.7	9.5	3.3
5	16.0	20.6	17.4	90.3	5.2	3.2	8.4	0.0
6	15.2	24.0	18.3	82.7	5.6	0.0	5.6	3.4
7	15.8	24.1	18.8	84.7	0.0	0.0	0.0	2.0
8	16.4	25.8	19.2	83.0	.1	.5	.6	3.8
9	16.0	24.4	19.2	83.7	0.0	.3	.3	5.3
10	15.0	24.6	18.5	81.3	1.3	1.0	2.3	5.2
11	14.8	25.0	18.6	84.0	.1	.9	1.0	5.6
12	15.9	23.6	18.2	84.7	1.6	9.1	10.7	3.4
13	15.8	24.2	17.8	89.3	2.6	16.4	19.0	1.9
14	16.0	24.8	18.5	87.3	.4	7.1	7.5	2.2
15	15.8	22.0	17.6	89.0	5.6	8.5	14.1	1.6
16	15.5	23.5	18.0	87.0	2.0	3.3	5.3	3.0
17	15.8	21.9	17.7	90.3	.7	19.3	20.0	1.3
18	15.0	22.0	17.4	90.0	4.0	1.2	5.2	1.4
19	15.8	22.1	17.9	87.7	5.4	2.2	7.6	1.6
20	16.0	23.6	18.4	87.7	1.2	2.0	3.2	3.2
21	16.1	23.4	17.8	93.0	0.0	1.5	1.5	3.5
22	15.7	20.5	17.3	95.0	3.4	21.7	25.1	.1
23	15.0	22.3	17.6	84.7	.1	10.5	10.6	3.8
24	14.1	19.0	15.8	97.3	3.2	.8	4.0	0.0
25	14.8	23.0	17.8	83.0	.5	0.0	.5	3.3
26	14.9	23.3	17.8	81.7	0.0	0.0	0.0	3.1
27	15.0	22.8	17.5	83.0	0.0	0.0	0.0	.8
28	14.8	25.1	18.4	76.3	0.0	0.0	0.0	8.4
29	14.0	24.0	18.0	79.3	0.0	0.0	0.0	6.0
30	15.8	24.7	18.8	82.7	2.1	1.2	3.3	5.5
31	15.2	25.0	18.7	81.7	.4	0.0	.4	6.9
Total					49.0	130.9	179.9	95.9
Promedio	15.4	23.4	18.1	86.1				

Estación : OSPINA PEREZ **Dpto. :** NARIÑO **Latitud :** 1 ° 15 'N
Año : 1999 **Mpio. :** CONSACA **Longitud :** 77 ° 29 'W
Altitud : 1700 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	15.5	23.2	18.2	25.2	14.0	85.3	288.5	27	89.0
Febrero	15.3	23.0	18.3	25.1	14.3	84.7	355.2	23	67.5
Marzo	15.2	24.0	18.6	29.0	13.5	83.6	177.2	19	107.3
Abril	15.9	24.5	19.1	28.6	14.8	85.1	156.7	21	96.3
Mayo	15.3	24.4	18.9	27.8	13.8	82.9	66.5	19	114.2
Junio	15.2	23.8	18.6	27.4	13.2	82.0	147.6	24	99.2
Julio	15.1	26.1	19.7	29.0	12.7	64.4	28.1	6	158.5
Agosto	14.9	26.5	19.9	29.6	11.8	58.5	49.9	7	205.5
Septiembre	14.9	24.4	18.5	27.8	13.7	79.9	164.6	24	99.1
Octubre	14.4	24.3	18.4	28.4	12.8	80.6	118.0	20	121.1
Noviembre	15.3	24.1	18.3	26.9	12.9	82.8	172.0	25	131.2
Diciembre	15.4	23.4	18.1	25.8	14.0	86.1	179.9	26	95.9
Promedio :	15.2	24.3	18.7			79.7			
Absoluta :				29.6	11.8				
Total :							1904.2	241	1384.8



Estación : GABRIEL MARIA BARRIGA
Año : 1999

Dpto. : NORTE SANTANDER
Mpio. : CONVENCION

Latitud : 8 ° 25 'N
Longitud : 73 ° 20 'W
Altitud : 1320 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.8	21.8	19.3	93.7	0.0	0.0	0.0	.2
2	18.0	22.4	19.8	93.0	.1	1.9	2.0	.4
3	17.2	20.0	18.2	96.3	10.5	0.0	10.5	0.0
4	15.0	21.6	16.8	96.0	.9	0.0	.9	1.4
5	14.9	22.0	17.9	95.7	2.5	0.0	2.5	1.9
6	16.4	23.8	18.7	86.7	0.0	0.0	0.0	5.2
7	16.2	20.2	17.6	94.0	.4	0.0	.4	.3
8	16.2	24.0	18.3	90.3	0.0	0.0	0.0	2.9
9	16.0	24.2	19.2	89.7	0.0	0.0	0.0	3.9
10	15.6	24.6	19.0	91.3	0.0	0.0	0.0	2.5
11	16.6	25.8	19.7	84.7	0.0	0.0	0.0	4.0
12	16.2	24.0	18.4	88.0	0.0	0.0	0.0	3.5
13	14.8	23.0	17.7	89.7	0.0	0.0	0.0	4.9
14	13.4	24.0	18.0	86.3	0.0	0.0	0.0	6.4
15	13.2	24.9	17.9	84.0	0.0	0.0	0.0	5.9
16	14.0	24.4	17.6	84.7	0.0	0.0	0.0	4.7
17	13.4	24.8	18.2	88.3	0.0	0.0	0.0	3.5
18	16.4	22.6	18.8	91.3	0.0	0.0	0.0	1.0
19	16.2	20.0	17.6	96.7	2.1	0.0	2.1	.5
20	16.4	23.6	18.5	89.7	0.0	0.0	0.0	4.2
21	16.6	20.0	18.1	93.7	0.0	0.0	0.0	0.0
22	16.8	21.0	18.2	94.0	0.0	0.0	0.0	0.0
23	17.0	21.6	18.5	92.7	0.0	0.0	0.0	.7
24	16.6	20.4	18.2	92.0	0.0	13.4	13.4	0.0
25	16.8	19.2	17.0	95.3	8.0	2.5	10.5	.2
26	16.2	20.6	17.8	90.7	4.8	3.0	7.8	1.8
27	16.0	21.4	17.1	92.3	4.5	4.2	8.7	2.3
28	15.2	17.4	15.8	92.0	.3	0.0	.3	0.0
29	14.8	20.0	17.4	92.3	0.0	0.0	0.0	0.0
30	16.5	18.0	17.7	94.7	0.0	0.0	0.0	0.0
31	16.8	21.0	18.6	92.3	0.0	1.0	1.0	0.0
Total :					34.1	26.0	60.1	62.3
Promedio :	15.9	22.0	18.1	91.4				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.8	18.6	17.2	95.7	1.6	8.5	10.1	0.0
2	16.1	17.0	16.6	94.3	1.4	6.5	7.9	0.0
3	14.0	16.8	15.6	95.3	0.0	0.0	0.0	0.0
4	15.8	17.0	16.8	95.0	.8	0.0	.8	0.0
5	15.2	17.2	16.0	96.0	.3	3.0	3.3	0.0
6	15.1	18.2	16.0	93.7	7.0	0.0	7.0	.2
7	15.0	17.6	16.1	95.7	.3	0.0	.3	0.0
8	15.8	22.4	17.9	92.0	2.1	0.0	2.1	.7
9	16.2	23.6	19.3	88.3	0.0	1.0	1.0	.9
10	16.9	22.4	18.6	90.7	0.0	0.0	0.0	.1
11	17.0	23.8	19.8	89.7	0.0	0.0	0.0	.7
12	16.8	24.6	19.6	87.3	0.0	0.0	0.0	0.0
13	17.0	21.0	18.9	92.7	0.0	0.0	0.0	0.0
14	16.7	25.2	19.6	88.7	3.8	1.2	5.0	.8
15	17.0	21.6	18.6	95.0	1.3	20.0	21.3	.3
16	15.8	23.6	17.5	92.0	0.0	.6	.6	1.0
17	16.4	22.0	17.8	93.0	.4	5.3	5.7	1.2
18	16.1	21.6	18.0	95.3	7.0	.2	7.2	.4
19	17.4	25.6	20.2	84.3	0.0	0.0	0.0	4.3
20	17.2	24.9	19.8	85.3	0.0	0.0	0.0	3.3
21	17.0	25.4	19.2	89.0	0.0	4.8	4.8	1.8
22	15.2	25.6	19.6	86.7	0.0	.4	.4	3.2
23	16.6	20.4	17.5	93.7	1.6	5.7	7.3	.1
24	16.4	20.2	17.4	94.3	3.8	30.3	34.1	.1
25	16.0	20.6	17.6	91.7	2.9	2.2	5.1	.6
26	15.0	19.6	16.8	93.0	0.0	0.0	0.0	0.0
27	15.6	20.6	18.0	92.7	0.0	0.0	0.0	.5
28	15.3	24.9	18.6	81.0	0.0	0.0	0.0	4.3
29								
30								
31								
Total :					34.3	89.7	124.0	24.5
Promedio :	16.1	21.5	18.0	91.5				

Estación : GABRIEL MARIA BARRIGA
Año : 1999

Dpto. : NORTE SANTANDER
Mpio. : CONVENCION

Latitud : 8 ° 25 'N
Longitud : 73 ° 20 'W
Altitud : 1320 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	24.4	17.8	87.7	0.0	0.0	0.0	3.5
2	15.1	23.6	18.0	84.0	0.0	0.0	0.0	1.9
3	16.0	24.6	19.4	83.3	0.0	0.0	0.0	4.2
4	15.9	25.4	19.7	85.0	0.0	0.0	0.0	3.7
5	17.0	25.0	19.6	88.7	0.0	7.7	7.7	3.1
6	14.3	21.2	17.6	92.7	7.0	.2	7.2	.3
7	14.8	24.2	17.6	87.3	0.0	0.0	0.0	3.8
8	15.0	23.9	17.9	88.3	0.0	0.0	0.0	1.4
9	15.4	20.8	16.8	91.7	0.0	0.0	0.0	.4
10	14.6	19.4	17.4	93.0	0.0	0.0	0.0	0.0
11	15.4	20.2	18.4	92.3	0.0	0.0	0.0	0.0
12	16.6	22.4	19.5	90.7	0.0	0.0	0.0	0.0
13	18.0	26.1	20.7	86.3	0.0	0.0	0.0	.7
14	16.2	27.9	21.2	82.3	0.0	0.0	0.0	2.5
15	16.2	27.8	21.0	81.3	0.0	0.0	0.0	4.7
16	16.4	25.9	21.0	83.0	0.0	0.0	0.0	2.1
17	17.2	25.6	19.7	89.3	.1	0.0	.1	2.6
18	14.8	25.0	18.8	80.7	0.0	0.0	0.0	7.7
19	16.0	24.8	18.2	88.0	0.0	4.1	4.1	3.5
20	14.9	21.4	17.6	92.7	.7	0.0	.7	.2
21	14.2	25.2	19.8	85.3	0.0	0.0	0.0	5.6
22	17.2	26.8	20.1	85.7	0.0	0.0	0.0	2.3
23	17.0	23.8	20.0	88.0	0.0	0.0	0.0	0.0
24	17.6	22.4	19.4	90.7	0.0	0.0	0.0	0.0
25	18.0	26.0	20.9	85.3	0.0	0.0	0.0	3.9
26	17.3	26.2	20.7	86.0	0.0	0.0	0.0	1.6
27	18.0	27.0	20.9	86.7	2.7	0.0	2.7	1.1
28	17.2	25.2	20.6	89.3	0.0	0.0	0.0	1.2
29	17.6	25.6	20.3	87.7	0.0	.1	.1	1.9
30	17.8	23.6	19.5	91.0	0.0	0.0	0.0	.4
31	16.6	20.0	18.2	94.3	0.0	0.0	0.0	0.0
Total :					10.5	12.1	22.6	64.3
Promedio :	16.2	24.2	19.3	87.7				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	23.6	19.8	92.0	0.0	0.0	0.0	.5
2	17.8	23.4	19.5	91.7	0.0	0.0	0.0	.3
3	17.6	27.4	20.8	84.7	1.9	1.1	3.0	1.6
4	17.2	24.4	19.8	86.3	1.9	6.5	8.4	0.0
5	17.0	26.9	21.2	83.7	0.0	4.1	4.1	6.1
6	16.8	25.0	20.3	85.7	0.0	2.9	2.9	2.4
7	17.2	24.0	18.7	89.7	4.0	10.0	14.0	.9
8	16.1	21.4	18.3	91.7	5.1	1.4	6.5	0.0
9	16.2	22.5	17.5	93.3	.6	13.4	14.0	.3
10	16.0	24.6	19.6	89.3	.1	.7	.8	1.0
11	17.8	24.4	19.8	91.0	0.0	15.6	15.6	.5
12	18.0	22.6	19.4	94.0	7.5	0.0	7.5	.1
13	18.9	25.4	21.2	87.0	0.0	0.0	0.0	.7
14	18.7	26.6	21.6	85.7	0.0	0.0	0.0	2.1
15	18.4	25.8	20.7	85.0	0.0	0.0	0.0	.2
16	15.6	29.2	20.8	78.7	0.0	0.0	0.0	9.8
17	14.0	28.4	20.6	77.3	0.0	0.0	0.0	10.2
18	16.2	26.6	21.3	83.3	0.0	0.0	0.0	7.1
19	16.4	26.6	21.3	85.0	0.0	0.0	0.0	3.9
20	17.9	25.8	21.2	85.0	0.0	0.0	0.0	3.2
21	16.0	26.8	21.0	84.3	0.0	0.0	0.0	3.6
22	15.9	28.4	21.8	84.3	0.0	.3	.3	7.5
23	17.0	27.8	21.7	84.3	0.0	0.0	0.0	5.0
24	17.2	27.2	20.8	84.7	0.0	0.0	0.0	2.4
25	17.0	28.4	21.2	80.7	7.4	19.6	27.0	2.1
26	15.4	24.6	18.7	91.0	10.9	2.7	13.6	1.3
27	15.8	26.0	20.2	84.3	0.0	.5	.5	1.7
28	16.8	27.2	20.1	87.3	4.5	0.0	4.5	4.4
29	16.8	27.9	21.6	81.0	0.0	0.0	0.0	7.6
30	17.8	24.6	19.8	85.0	0.0	.3	.3	.1
31								
Total :					43.9	79.1	123.0	86.6
Promedio :	16.9	25.8	20.3	86.2				

Estación : GABRIEL MARIA BARRIGA
Año : 1999

Dpto. : NORTE SANTANDER
Mpio. : CONVENCION

Latitud : 8 ° 25 'N
Longitud : 73 ° 20 'W
Altitud : 1320 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.8	28.3	21.4	83.3	14.7	0.0	14.7	4.9
2	17.1	27.8	19.9	87.7	18.0	1.3	19.3	0.0
3	17.0	23.6	20.0	91.3	0.0	0.0	0.0	0.0
4	17.8	28.4	22.0	82.3	0.0	0.0	0.0	3.8
5	17.9	26.4	21.0	84.3	0.0	0.0	0.0	2.6
6	18.0	25.8	20.5	89.0	.5	0.0	.5	1.9
7	17.0	26.6	21.6	86.0	0.0	.2	.2	7.2
8	17.1	24.8	21.0	90.3	0.0	.6	.6	.1
9	16.9	28.2	21.0	83.0	18.8	9.4	28.2	3.5
10	17.8	26.8	20.5	81.3	.1	0.0	.1	1.2
11	17.5	28.8	20.0	82.3	10.4	.2	10.6	4.5
12	17.0	27.4	20.2	84.3	14.5	1.3	15.8	5.7
13	17.5	25.8	20.9	87.7	0.0	0.0	0.0	2.3
14	16.5	26.4	21.3	86.3	0.0	.2	.2	7.7
15	16.0	28.0	21.6	80.0	0.0	0.0	0.0	9.3
16	16.5	28.8	22.5	80.0	0.0	0.0	0.0	7.4
17	17.2	28.2	22.6	81.3	0.0	0.0	0.0	8.5
18	15.9	28.6	22.2	80.0	0.0	0.0	0.0	9.4
19	17.5	28.2	21.8	84.0	0.0	0.0	0.0	5.5
20	17.0	26.9	21.2	85.7	0.0	0.0	0.0	3.1
21	17.2	27.2	20.8	83.0	0.0	0.0	0.0	1.5
22	17.5	28.9	21.2	82.7	1.2	0.0	1.2	6.0
23	16.9	29.2	22.8	78.0	0.0	0.0	0.0	9.6
24	16.5	29.8	23.3	76.0	0.0	0.0	0.0	9.9
25	18.2	28.9	23.0	79.7	0.0	0.0	0.0	7.9
26	17.9	28.0	21.9	81.3	0.0	.3	.3	6.6
27	18.4	28.2	21.8	84.0	0.0	0.0	0.0	4.5
28	18.8	29.6	22.8	83.0	0.0	0.0	0.0	8.1
29	18.0	28.9	21.3	85.0	17.0	3.0	20.0	3.1
30	18.5	27.0	22.0	82.7	0.0	.2	.2	4.0
31	19.0	28.0	22.1	87.3	1.2	0.0	1.2	1.9
Total :					96.4	16.7	113.1	151.7
Promedio :	17.4	27.7	21.5	83.6				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	27.1	21.2	80.3	0.0	0.0	0.0	2.6
2	18.0	29.2	22.1	79.3	0.0	0.0	0.0	7.4
3	18.3	28.8	22.4	83.0	0.0	0.0	0.0	8.2
4	18.5	26.6	22.0	85.3	0.0	0.0	0.0	1.3
5	17.5	27.6	21.8	84.0	0.0	0.0	0.0	3.4
6	17.0	26.8	21.4	85.3	0.0	1.5	1.5	.9
7	17.5	25.0	20.0	91.0	7.0	0.0	7.0	2.0
8	18.4	26.7	20.1	90.0	.7	0.0	.7	2.7
9	18.0	26.2	20.9	87.0	0.0	0.0	0.0	.6
10	16.5	27.0	21.2	83.3	0.0	0.0	0.0	3.6
11	18.5	29.6	21.8	81.3	32.0	0.0	32.0	5.5
12	17.5	26.4	20.7	84.7	0.0	0.0	0.0	1.2
13	18.5	28.8	20.8	86.3	0.0	0.0	0.0	4.2
14	17.9	27.3	20.4	83.0	.1	1.2	1.3	1.1
15	18.0	27.0	21.6	84.7	0.0	0.0	0.0	6.0
16	17.5	23.2	19.8	88.0	0.0	0.0	0.0	0.0
17	17.6	27.8	21.2	84.3	13.6	12.4	26.0	3.6
18	16.5	25.8	20.6	86.3	0.0	0.0	0.0	3.2
19	18.0	26.0	19.6	89.7	.9	.9	1.8	1.6
20	17.0	27.2	21.2	85.0	0.0	0.0	0.0	4.4
21	19.0	25.6	21.0	87.3	0.0	0.0	0.0	.9
22	17.8	25.8	21.2	84.3	0.0	0.0	0.0	1.3
23	17.5	27.2	22.1	84.0	0.0	1.9	1.9	4.6
24	17.0	27.8	20.6	84.0	0.0	.1	.1	3.2
25	16.5	25.2	19.4	88.0	3.7	1.0	4.7	3.9
26	17.0	25.6	20.2	86.3	.6	7.0	7.6	2.4
27	16.5	24.9	20.0	85.7	0.0	8.7	8.7	2.8
28	17.5	27.8	21.3	83.3	0.0	11.7	11.7	4.5
29	16.5	26.2	20.2	83.0	0.0	1.1	1.1	3.3
30	17.0	26.4	20.2	85.0	.3	1.1	1.4	3.6
31								
Total :					58.9	48.6	107.5	94.0
Promedio :	17.5	26.8	20.9	85.1				

Estación : GABRIEL MARIA BARRIGA
Año : 1999

Dpto. : NORTE SANTANDER
Mpio. : CONVENCION

Latitud : 8 ° 25 'N
Longitud : 73 ° 20 'W
Altitud : 1320 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	26.0	19.6	87.7	.3	0.0	.3	5.9
2	17.0	25.0	20.2	89.0	0.0	1.4	1.4	0.0
3	16.5	26.4	20.1	85.3	0.0	0.0	0.0	6.0
4	14.5	26.2	20.2	84.0	0.0	0.0	0.0	8.7
5	17.8	26.6	21.0	83.0	0.0	0.0	0.0	4.8
6	17.5	25.4	21.0	83.7	1	.5	.6	1.9
7	17.0	25.6	20.8	87.0	.8	0.0	.8	1.8
8	16.0	26.8	20.2	85.3	.2	2.3	2.5	3.9
9	16.5	27.6	19.4	90.3	2.5	.2	2.7	4.6
10	15.5	27.8	20.4	83.7	3.2	0.0	3.2	7.3
11	16.0	27.0	19.8	85.7	0.0	0.0	0.0	4.5
12	17.5	27.2	20.2	84.3	6.0	0.0	6.0	4.1
13	16.5	28.8	21.8	81.3	0.0	6.2	6.2	8.0
14	15.5	27.4	21.5	82.0	0.0	0.0	0.0	9.9
15	15.8	27.2	20.1	85.0	.2	.1	.3	4.4
16	14.8	28.4	20.4	81.3	0.0	.5	.5	6.7
17	14.5	28.5	20.8	83.7	0.0	8.0	8.0	7.7
18	16.3	26.9	20.6	85.3	0.0	0.0	0.0	5.7
19	18.6	27.0	21.1	84.7	0.0	0.0	0.0	5.3
20	16.0	27.3	21.2	80.7	0.0	.2	.2	6.1
21	17.0	26.8	21.0	88.0	0.0	0.0	0.0	3.4
22	18.0	27.8	21.7	82.0	0.0	0.0	0.0	6.2
23	17.0	26.0	21.2	85.0	0.0	1.7	1.7	3.2
24	16.0	26.8	20.9	83.7	0.0	0.0	0.0	8.8
25	18.0	27.4	21.4	82.7	0.0	0.0	0.0	5.4
26	16.0	29.8	21.4	82.7	0.0	1.4	1.4	8.1
27	18.0	27.9	21.4	84.3	0.0	0.0	0.0	5.7
28	15.5	28.0	20.9	80.3	0.0	0.0	0.0	8.1
29	17.5	28.4	21.5	85.3	0.0	.7	.7	3.3
30	18.0	27.2	21.0	87.0	0.0	0.0	0.0	1.4
31	16.0	28.4	22.2	79.0	0.0	7.9	7.9	8.3
Total :					13.3	31.1	44.4	169.2
Promedio :	16.5	27.2	20.8	84.3				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	28.6	21.6	84.7	0.0	.1	.1	9.1
2	17.0	26.8	21.4	83.3	.1	2.8	2.9	6.4
3	17.5	25.6	19.8	91.0	.5	0.0	.5	2.1
4	16.0	27.8	20.8	81.7	15.8	.8	16.6	3.8
5	17.0	26.9	20.4	85.0	0.0	0.0	0.0	6.8
6	17.5	26.4	21.6	86.0	0.0	.4	.4	5.9
7	18.0	24.0	20.3	89.3	.4	0.0	.4	.1
8	15.5	23.0	19.4	88.0	0.0	0.0	0.0	0.0
9	15.0	27.9	21.1	78.7	0.0	0.0	0.0	8.9
10	16.5	23.6	19.8	87.3	0.0	0.0	0.0	2.2
11	16.0	27.9	21.2	83.3	0.0	.3	.3	5.4
12	18.0	28.4	22.0	82.7	0.0	0.0	0.0	5.3
13	18.0	28.0	21.5	75.7	1.7	4.7	6.4	5.9
14	15.5	29.1	21.4	79.7	7.4	.3	7.7	7.7
15	17.5	28.2	21.4	80.3	0.0	.3	.3	7.6
16	16.5	27.8	21.8	79.7	0.0	.7	.7	6.6
17	16.0	28.2	22.0	78.3	0.0	0.0	0.0	10.2
18	16.5	27.6	20.9	80.3	0.0	0.0	0.0	7.9
19	17.0	27.0	19.6	84.3	0.0	2.0	2.0	3.2
20	16.7	26.6	19.6	86.0	22.4	1.6	24.0	2.8
21	16.5	25.8	20.2	82.0	0.0	.8	.8	4.6
22	17.0	23.6	18.2	85.0	.2	0.0	.2	2.6
23	16.5	28.6	20.8	83.7	0.0	2.9	2.9	3.6
24	16.5	29.4	20.5	83.7	8.1	.2	8.3	4.1
25	16.0	26.8	21.0	85.0	0.0	0.0	0.0	3.3
26	17.5	26.4	20.8	81.3	0.0	.2	.2	7.9
27	17.6	27.7	20.8	82.0	.3	0.0	.3	5.6
28	17.0	25.2	20.2	88.3	22.6	0.0	22.6	1.2
29	18.0	26.6	21.0	85.0	0.0	0.0	0.0	4.7
30	17.5	27.4	20.6	83.3	0.0	0.0	0.0	7.0
31	16.8	29.0	21.3	80.3	0.0	0.0	0.0	5.5
Total :					79.5	18.1	97.6	158.0
Promedio :	16.8	27.0	20.7	83.4				

Estación : GABRIEL MARIA BARRIGA
Año : 1999

Dpto. : NORTE SANTANDER
Mpio. : CONVENCION

Latitud : 8 ° 25 'N
Longitud : 73 ° 20 'W
Altitud : 1320 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.5	28.8	21.8	79.0	3.5	15.7	19.2	6.1
2	16.5	26.2	20.6	86.0	0.0	0.0	0.0	1.8
3	17.8	24.3	20.0	88.7	0.0	.1	.1	1.6
4	17.7	28.8	20.9	81.0	0.0	0.0	0.0	6.5
5	17.0	29.0	21.2	86.3	0.0	0.0	0.0	5.1
6	18.6	27.6	21.5	84.7	0.0	2.9	2.9	6.2
7	17.5	27.4	20.6	84.3	15.1	1.5	16.6	4.4
8	17.5	26.2	20.1	85.0	19.3	0.0	19.3	3.0
9	15.5	27.7	19.8	84.0	0.0	0.0	0.0	5.2
10	16.5	27.2	20.6	82.3	6.0	0.0	6.0	4.8
11	16.7	26.8	20.2	86.3	3.5	3.1	6.6	4.4
12	17.0	27.4	20.6	80.3	0.0	.8	.8	7.2
13	16.8	25.4	20.2	87.0	0.0	2.5	2.5	2.2
14	17.6	24.9	20.4	80.3	2.6	2.1	4.7	2.0
15	17.9	27.8	20.9	83.7	0.0	14.8	14.8	3.7
16	16.8	27.4	21.5	84.3	0.0	.4	.4	7.6
17	17.2	28.0	20.2	86.0	34.2	0.0	34.2	3.0
18	18.0	27.9	21.6	78.7	0.0	0.0	0.0	5.1
19	16.6	28.6	21.9	83.7	2.0	.1	2.1	7.6
20	17.5	29.2	21.4	82.0	11.0	.1	11.1	6.1
21	18.5	28.8	21.8	81.0	6.0	0.0	6.0	3.5
22	17.5	24.0	19.3	82.3	0.0	.5	.5	.8
23	16.5	27.0	19.9	88.0	10.2	0.0	10.2	3.4
24	17.0	26.6	19.3	86.7	10.2	7.3	17.5	5.2
25	16.5	24.8	19.7	86.0	0.0	0.0	0.0	6.1
26	17.5	24.9	20.6	87.7	0.0	0.0	0.0	1.0
27	17.8	27.0	20.4	84.0	15.6	3.5	19.1	3.5
28	17.0	25.4	19.6	82.7	16.0	4.3	20.3	2.6
29	15.0	26.4	20.6	79.7	0.0	20.0	20.0	8.4
30	18.0	27.0	20.2	89.3	.4	0.0	.4	3.4
31								
Total :					155.6	79.7	235.3	131.5
Promedio :	17.2	26.9	20.6	84.0				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.5	25.8	19.7	88.0	8.2	6.0	14.2	3.9
2	16.8	27.6	20.4	82.3	.7	.7	1.4	6.4
3	17.0	24.8	20.6	85.0	0.0	0.0	0.0	4.6
4	16.5	28.0	20.2	82.7	39.6	4.1	43.7	5.3
5	17.0	27.8	20.2	86.0	2.2	.4	2.6	4.7
6	17.5	24.0	19.0	83.7	.2	0.0	.2	1.8
7	16.0	25.6	20.2	87.3	.8	.1	.9	3.8
8	15.5	24.8	20.1	86.3	0.0	.4	.4	2.7
9	16.0	27.6	21.5	77.0	0.0	.2	.2	6.3
10	17.1	26.8	21.4	79.3	0.0	22.2	22.2	5.0
11	17.0	26.9	21.4	86.0	0.0	1.1	1.1	6.5
12	16.5	26.6	21.3	83.0	0.0	0.0	0.0	3.9
13	17.0	26.4	20.0	80.0	25.8	0.0	25.8	5.5
14	17.5	25.9	21.0	87.7	.2	7.2	7.4	2.7
15	17.0	28.2	21.4	80.7	1.3	5.8	7.1	3.8
16	17.5	24.4	19.4	84.7	0.0	5.0	5.0	3.1
17	15.5	26.8	19.4	83.7	1.6	0.0	1.6	4.0
18	17.0	27.0	21.0	80.0	0.0	1.8	1.8	8.3
19	15.5	26.2	20.8	84.0	0.0	0.0	0.0	8.2
20	17.0	26.9	20.0	85.3	39.3	1.0	40.3	5.0
21	17.2	26.0	20.5	74.7	0.0	0.0	0.0	6.7
22	16.5	28.8	21.7	73.7	0.0	0.0	0.0	5.5
23	17.5	27.9	20.4	80.3	32.8	2.2	35.0	5.0
24	17.2	25.2	20.1	93.3	0.0	25.8	25.8	3.2
25	17.0	28.4	20.2	87.7	2.3	2.7	5.0	4.6
26	18.0	27.8	21.8	81.0	0.0	.5	.5	4.8
27	17.5	26.6	20.9	81.7	0.0	2.7	2.7	8.1
28	18.0	27.6	21.2	79.0	.1	.6	.7	4.2
29	17.0	26.8	20.8	84.0	0.0	0.0	0.0	7.5
30	17.5	26.4	21.0	85.7	2.9	0.0	2.9	4.4
31	16.5	26.4	20.8	85.0	0.0	0.0	0.0	7.8
Total :					158.0	90.5	248.5	157.3
Promedio :	16.9	26.6	20.6	83.2				

Estación : GABRIEL MARIA BARRIGA
Año : 1999

Dpto. : NORTE SANTANDER
Mpio. : CONVENCION

Latitud : 8 ° 25 'N
Longitud : 73 ° 20 'W
Altitud : 1320 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	27.0	20.0	85.3	0.0	0.0	0.0	4.5
2	16.2	26.6	19.8	84.7	0.0	0.0	0.0	3.3
3	16.5	26.4	20.5	83.3	0.0	0.0	0.0	6.5
4	17.5	24.4	19.8	92.0	0.0	11.0	11.0	.8
5	17.4	25.2	20.0	86.0	0.0	0.0	0.0	3.4
6	17.0	26.9	21.0	85.7	0.0	0.0	0.0	4.3
7	18.5	28.8	21.6	82.3	20.4	.3	20.7	3.9
8	17.5	27.8	21.0	83.3	10.0	.9	10.9	4.3
9	17.0	25.8	20.6	86.3	0.0	0.0	0.0	2.9
10	18.5	27.0	22.0	83.3	.7	0.0	.7	6.2
11	17.0	26.4	20.9	82.3	0.0	0.0	0.0	4.8
12	18.0	25.6	20.2	90.0	7.8	2.7	10.5	2.8
13	17.5	27.6	20.7	84.0	0.0	0.0	0.0	3.3
14	17.0	26.4	20.6	81.7	0.0	2.7	2.7	9.5
15	17.8	24.0	20.2	78.7	8.8	4.0	12.8	6.0
16	18.0	26.0	21.0	77.0	1.8	.7	2.5	8.6
17	17.8	25.6	19.6	83.0	0.0	0.0	0.0	4.0
18	16.0	24.6	19.1	85.0	0.0	1.2	1.2	3.9
19	16.2	24.4	18.0	89.3	1.5	0.0	1.5	1.1
20	15.0	23.8	17.8	86.0	.5	0.0	.5	1.8
21	14.0	25.8	18.8	77.0	0.0	0.0	0.0	9.4
22	13.5	24.0	17.6	80.0	0.0	0.0	0.0	5.3
23	15.0	26.6	19.2	89.0	0.0	0.0	0.0	6.7
24	17.5	24.8	19.1	86.7	1.1	4.7	5.8	2.4
25	15.5	25.0	19.0	85.3	0.0	0.0	0.0	2.8
26	15.0	25.8	19.7	85.3	.1	.1	.2	6.1
27	16.7	20.4	17.6	94.0	2.9	0.0	2.9	0.0
28	15.9	24.8	19.7	87.3	0.0	1.6	1.6	5.0
29	17.0	24.8	18.8	91.3	.1	.3	.4	2.6
30	17.1	27.2	20.2	83.7	.3	10.1	10.4	4.5
31								
Total					56.0	40.3	96.3	130.7
Promedio	16.7	25.7	19.8	85.0				

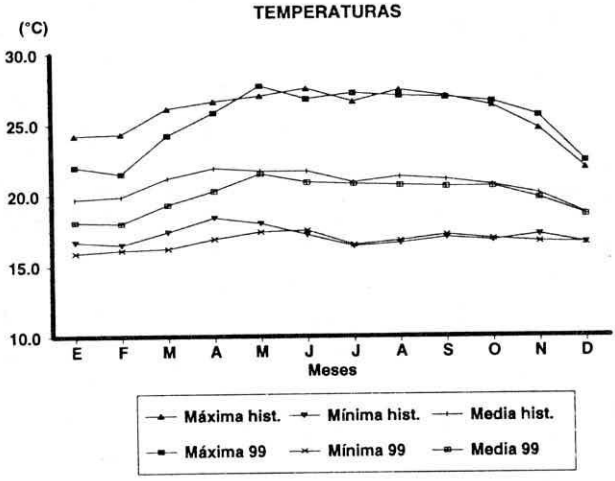
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.7	25.4	20.0	81.3	0.0	1.9	1.9	6.2
2	17.0	25.9	20.2	85.3	.3	.9	1.2	5.1
3	16.5	24.6	19.0	89.3	.3	0.0	.3	1.3
4	17.5	25.4	20.3	89.3	0.0	2.4	2.4	1.7
5	16.5	25.0	19.7	91.0	0.0	5.4	5.4	1.2
6	17.5	22.0	18.6	94.7	2.8	4.6	7.4	.7
7	17.1	23.4	18.8	92.7	9.6	1.0	10.6	3.4
8	16.0	19.2	17.6	94.0	.9	0.0	.9	0.0
9	17.0	23.4	19.5	89.3	0.0	1.7	1.7	1.0
10	17.2	21.5	19.0	92.3	0.0	0.0	0.0	0.0
11	17.0	21.8	19.2	91.3	0.0	9.3	9.3	.1
12	17.5	22.0	18.8	93.7	.6	43.0	43.6	.7
13	17.2	20.4	18.1	95.3	6.8	9.1	15.9	0.0
14	17.0	20.0	18.6	94.0	0.0	.5	.5	0.0
15	16.9	19.0	18.0	95.7	0.0	10.0	10.0	0.0
16	16.2	19.2	17.8	95.0	0.0	11.0	11.0	0.0
17	16.5	20.0	17.8	95.3	3.3	.5	3.8	.3
18	17.5	21.4	18.8	92.3	0.0	.9	.9	.1
19	17.0	19.0	18.2	94.0	0.0	0.0	0.0	0.0
20	17.8	19.8	17.8	91.3	2.8	0.0	2.8	0.0
21	17.0	20.0	18.2	95.3	1.3	1.5	2.8	.3
22	16.6	23.8	18.0	90.3	0.0	.9	.9	2.9
23	15.8	23.6	17.5	88.7	.3	2.1	2.4	2.7
24	14.5	23.8	17.6	92.3	1.2	0.0	1.2	3.5
25	13.8	25.0	18.9	84.0	0.0	0.0	0.0	6.4
26	16.5	23.4	18.4	87.7	.8	0.0	.8	3.8
27	14.9	21.8	17.9	90.0	0.0	0.0	0.0	2.2
28	15.0	25.0	18.8	84.7	0.0	0.0	0.0	6.6
29	16.5	25.6	18.5	83.7	0.0	.3	.3	4.0
30	16.0	23.4	19.1	87.0	0.0	4.0	4.0	3.6
31	17.0	21.2	18.0	94.3	10.6	2.2	12.8	1.6
Total					41.6	113.2	154.8	59.4
Promedio	16.6	22.4	18.6	90.8				

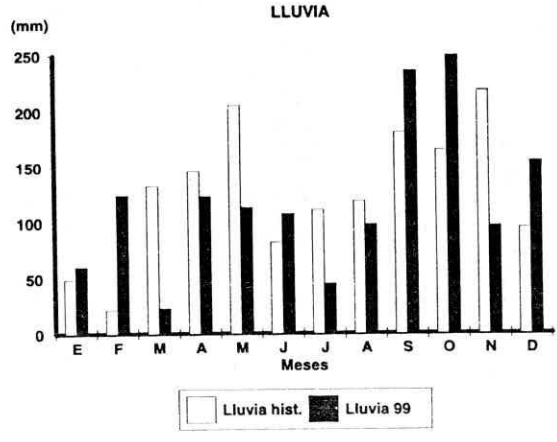
Estación : GABRIEL MARIA BARRIGA
Año : 1999

Dpto. : NORTE SANTANDER
Mpio. : CONVENCION

Latitud : 8 ° 25 'N
Longitud : 73 ° 20 'W
Altitud : 1320 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	15.9	22.0	18.1	25.8	13.2	91.4	60.1	12	62.3
Febrero	16.1	21.5	18.0	25.6	14.0	91.5	124.0	18	24.5
Marzo	16.2	24.2	19.3	27.9	14.2	87.7	22.6	7	64.3
Abril	16.9	25.8	20.3	29.2	14.0	86.2	123.0	16	86.6
Mayo	17.4	27.7	21.5	29.8	15.9	83.6	113.1	15	151.7
Junio	17.5	26.8	20.9	29.6	16.5	85.1	107.5	15	94.0
Julio	16.5	27.2	20.8	29.8	14.5	84.3	44.4	17	169.2
Agosto	16.8	27.0	20.7	29.4	15.0	83.4	97.6	20	158.0
Septiembre	17.2	26.9	20.6	29.2	15.0	84.0	235.3	23	131.5
Octubre	16.9	26.6	20.6	28.8	15.5	83.2	248.5	24	157.3
Noviembre	16.7	25.6	19.8	28.8	13.5	85.0	96.3	17	130.7
Diciembre	16.6	22.4	18.6	25.9	13.8	90.8	154.8	26	59.4
Promedio :	16.7	25.3	19.9			86.4			
Absoluta :				29.8	13.2				
Total :							1427.2	210	1289.5





Estación : FRANCISCO ROMERO
Año : 1999

Dpto. : NORTE SANTANDER
Mpio. : SALAZAR

Latitud : 7 ° 45 'N
Longitud : 72 ° 47 'W
Altitud : 1000 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.2	26.9	20.9	89.7	0.0	0.0	0.0	4.2
2	17.3	25.3	21.0	89.7	.8	0.0	.8	1.2
3	18.0	25.8	21.3	90.3	.4	.5	.9	2.5
4	18.4	20.7	19.2	97.0	15.2	.2	15.4	0.0
5	17.8	24.1	19.7	94.0	0.0	0.0	0.0	1.1
6	16.0	25.9	20.3	88.3	0.0	0.0	0.0	6.1
7	14.8	25.3	20.4	88.3	0.0	0.0	0.0	7.7
8	15.6	26.1	20.5	89.0	0.0	2.4	2.4	6.2
9	15.5	27.2	21.1	85.7	.7	14.0	14.7	6.6
10	17.5	25.1	21.0	89.3	0.0	66.8	66.8	1.0
11	17.2	24.6	20.3	91.0	1.8	2.7	4.5	1.8
12	18.1	23.1	19.8	95.0	1.0	0.0	1.0	.9
13	17.0	23.7	19.6	92.0	0.0	0.0	0.0	1.3
14	16.9	24.0	20.0	90.0	4.5	25.9	30.4	2.1
15	14.7	24.1	19.4	88.0	0.0	0.0	0.0	2.2
16	15.0	24.7	19.7	87.3	0.0	.3	.3	2.1
17	16.7	24.5	20.2	90.7	.3	1.1	1.4	3.3
18	15.8	25.5	19.6	92.3	0.0	0.0	0.0	3.6
19	17.0	23.1	18.3	97.0	.1	0.0	.1	1.1
20	17.2	25.4	20.2	88.7	14.3	59.5	73.8	1.7
21	17.0	22.2	19.4	96.3	0.0	0.0	0.0	1.0
22	16.7	24.0	19.8	93.3	0.0	0.0	0.0	1.3
23	16.9	23.1	19.5	93.0	1.3	0.0	1.3	.7
24	15.5	24.0	20.0	92.3	0.0	13.6	13.6	2.7
25	18.0	21.9	20.0	94.7	.2	0.0	.2	.1
26	16.7	23.0	19.2	95.3	1.6	1.2	2.8	1.7
27	16.7	20.2	18.3	97.3	6.5	2.3	8.8	0.0
28	16.8	20.0	17.8	97.3	6.6	.5	7.1	0.0
29	15.2	24.8	19.8	90.0	0.0	0.0	0.0	1.7
30	16.8	25.9	20.8	91.7	0.0	0.0	0.0	4.1
31	16.5	26.8	21.4	86.0	0.0	11.3	11.3	3.2
Total :					55.3	202.3	257.6	73.2
Promedio :	16.6	24.2	20.0	91.6				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.3	22.0	19.9	94.0	.6	0.0	.6	0.0
2	17.5	23.4	19.8	92.0	1.0	0.0	1.0	.5
3	18.0	23.0	20.1	88.3	1.3	0.0	1.3	.3
4	15.7	24.0	20.5	88.0	0.0	15.2	15.2	1.0
5	15.8	23.4	19.1	89.0	.1	6.5	6.6	1.9
6	16.9	20.0	18.0	98.0	13.9	0.0	13.9	0.0
7	15.9	21.5	18.1	94.7	.2	.3	.5	.1
8	17.1	23.6	19.7	90.0	0.0	0.0	0.0	.1
9	17.1	26.1	21.2	87.7	0.0	.1	.1	4.0
10	18.7	25.4	20.6	90.7	1.0	0.0	1.0	.9
11	18.5	27.0	21.6	87.7	0.0	0.0	0.0	3.0
12	17.0	27.2	21.1	87.3	5.8	0.0	5.8	4.5
13	17.8	25.4	21.3	90.3	0.0	0.0	0.0	1.9
14	17.0	26.6	21.5	86.3	8.9	2.6	11.5	2.6
15	17.7	25.2	20.2	92.0	10.0	84.3	94.3	2.1
16	18.0	22.4	19.5	94.3	.5	0.0	.5	0.0
17	16.8	22.2	19.3	95.7	1.7	40.0	41.7	0.0
18	17.9	23.8	20.2	90.3	0.0	0.0	0.0	.9
19	17.2	25.0	20.8	93.0	.4	.7	1.1	2.8
20	17.9	25.2	20.5	90.3	14.4	.2	14.6	1.5
21	17.2	24.0	20.5	93.0	0.0	37.9	37.9	1.8
22	18.0	24.0	20.5	94.0	0.0	0.0	0.0	.5
23	17.7	23.0	19.8	95.0	.9	2.1	3.0	1.3
24	17.2	20.8	18.9	97.3	.5	.2	.7	.2
25	16.9	21.6	18.8	97.7	1.5	1.0	2.5	1.5
26	17.3	22.0	19.2	95.0	0.0	0.0	0.0	0.0
27	18.0	26.2	21.3	86.7	0.0	0.0	0.0	3.9
28	18.1	20.8	19.4	94.0	0.0	6.5	6.5	.1
29								
30								
31								
Total :					62.7	197.6	260.3	37.4
Promedio :	17.4	23.7	20.1	91.9				

Estación : FRANCISCO ROMERO
Año : 1999

Dpto. : NORTE SANTANDER
Mpio. : SALAZAR

Latitud : 7 ° 45 'N
Longitud : 72 ° 47 'W
Altitud : 1000 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.8	21.0	18.5	98.0	2.0	0.0	2.0	0.0
2	17.2	23.0	19.6	92.0	0.0	0.0	0.0	.2
3	16.2	25.5	21.0	88.7	0.0	0.0	0.0	5.3
4	15.7	26.0	21.0	87.3	2.8	.8	3.6	6.8
5	17.0	26.8	21.2	88.3	0.0	0.0	0.0	6.0
6	14.9	26.0	20.2	90.0	0.0	0.0	0.0	6.1
7	15.3	25.0	19.7	88.0	0.0	.3	.3	6.9
8	17.8	23.3	19.9	90.0	.2	1.7	1.9	.5
9	17.5	21.0	18.6	95.3	5.9	0.0	5.9	.1
10	15.0	23.0	19.0	91.0	.2	0.0	.2	1.5
11	16.8	25.5	20.5	88.0	0.0	0.0	0.0	1.0
12	17.1	27.0	21.5	85.7	0.0	0.0	0.0	2.5
13	17.8	26.0	21.0	88.3	0.0	0.0	0.0	3.1
14	16.2	27.8	21.1	85.0	2.7	3.2	5.9	4.2
15	16.8	27.2	20.9	85.0	0.0	.4	.4	2.9
16	16.3	27.8	20.7	87.3	54.1	51.2	105.3	5.3
17	17.4	24.0	19.9	94.7	0.0	0.0	0.0	1.6
18	17.5	21.7	19.0	95.7	0.0	0.0	0.0	.3
19	17.7	24.7	20.2	89.0	0.0	0.0	0.0	2.1
20	16.2	23.1	19.5	90.3	.8	0.0	.8	.6
21	15.4	24.0	19.6	92.3	0.0	0.0	0.0	3.2
22	16.9	26.7	21.4	89.0	0.0	0.0	0.0	4.5
23	16.7	26.0	20.4	91.7	8.5	0.0	8.5	3.7
24	16.3	24.1	20.1	94.0	0.0	0.0	0.0	.9
25	16.7	27.3	21.6	89.7	0.0	0.0	0.0	4.5
26	17.8	27.1	21.1	84.0	0.0	0.0	0.0	1.7
27	17.7	27.2	21.9	84.0	0.0	0.0	0.0	4.0
28	17.3	25.0	21.1	94.3	.4	0.0	.4	1.2
29	16.2	26.2	21.5	91.7	0.0	12.2	12.2	3.4
30	19.0	25.3	21.5	93.0	3.1	1.8	4.9	2.6
31	19.2	25.5	21.6	91.3	0.0	0.0	0.0	2.6
Total :					80.7	71.6	152.3	89.3
Promedio :	16.9	25.2	20.5	90.1				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.7	26.3	22.3	88.7	0.0	37.8	37.8	3.2
2	18.6	24.2	20.8	92.7	5.4	0.0	5.4	.6
3	17.3	27.1	21.5	86.0	0.0	0.0	0.0	3.0
4	18.9	22.8	20.2	95.7	3.7	.9	4.6	0.0
5	16.7	26.6	20.4	89.7	48.0	1.0	49.0	5.1
6	17.0	25.9	20.9	90.3	2.4	.3	2.7	1.9
7	16.9	24.0	19.8	93.0	44.0	52.9	96.9	.4
8	17.5	23.1	20.0	94.7	9.3	.8	10.1	.3
9	17.7	23.4	19.8	97.7	9.9	49.5	59.4	.6
10	17.8	24.5	20.4	92.3	.5	0.0	.5	0.0
11	17.0	26.5	20.6	87.3	11.8	.3	12.1	1.6
12	17.8	24.6	21.0	93.7	18.2	0.0	18.2	.7
13	17.9	26.0	21.1	88.7	0.0	0.0	0.0	.1
14	16.8	27.9	21.8	86.7	1.2	0.0	1.2	3.8
15	17.9	24.2	20.2	89.7	0.0	0.0	0.0	8.0
16	15.9	28.9	20.9	78.7	0.0	0.0	0.0	1.1
17	13.9	28.8	21.0	81.3	0.0	0.0	0.0	6.4
18	14.0	28.0	20.9	82.3	0.0	0.0	0.0	9.2
19	15.8	29.0	21.7	81.7	0.0	0.0	0.0	9.2
20	17.2	28.9	22.0	80.0	0.0	0.0	0.0	7.8
21	16.0	26.6	20.6	87.3	0.0	0.0	0.0	2.9
22	16.8	29.2	22.2	79.0	0.0	0.0	0.0	8.6
23	18.8	28.4	22.1	82.7	0.0	0.0	0.0	4.1
24	18.3	26.7	21.8	83.0	0.0	0.0	0.0	1.7
25	16.9	28.0	21.7	85.7	.5	37.1	37.6	3.4
26	17.5	26.6	20.2	88.7	55.9	11.7	67.6	1.8
27	16.9	27.5	22.2	85.3	.2	100.8	101.0	2.1
28	16.8	25.7	20.7	88.0	0.0	0.0	0.0	2.1
29	15.5	28.4	21.3	81.7	0.0	0.0	0.0	5.9
30	16.0	28.2	20.7	84.0	42.3	2.9	45.2	4.9
31								
Total :					253.3	296.0	549.3	100.5
Promedio :	17.0	26.5	21.0	87.2				

Estación : FRANCISCO ROMERO
Año : 1999

Dpto. : NORTE SANTANDER
Mpio. : SALAZAR

Latitud : 7 ° 45 'N
Longitud : 72 ° 47 'W
Altitud : 1000 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.8	27.5	22.0	87.3	10.1	4.2	14.3	6.7
2	17.0	28.5	22.2	85.7	0.0	5.9	5.9	5.4
3	16.5	28.8	22.4	86.7	.6	0.0	.6	4.3
4	18.9	28.2	22.0	81.0	6.0	.1	6.1	4.1
5	17.0	29.0	21.9	80.7	.3	0.0	.3	6.1
6	18.7	27.0	22.4	83.0	0.0	4.4	4.4	6.6
7	16.8	27.8	20.7	84.0	0.0	0.0	0.0	4.9
8	16.5	27.9	21.0	84.0	1.7	20.7	22.4	3.5
9	17.0	27.0	21.2	83.3	.4	20.3	20.7	2.5
10	18.0	26.6	21.7	84.0	2.8	46.6	49.4	3.0
11	16.7	25.8	19.8	86.3	1.8	1.3	3.1	3.7
12	16.5	26.9	20.3	86.7	8.5	.1	8.6	3.0
13	16.8	24.3	20.4	90.7	.4	0.0	.4	3.6
14	16.7	25.6	20.4	84.7	0.0	0.0	0.0	.8
15	17.0	26.8	21.0	80.7	0.0	0.0	0.0	7.5
16	16.1	28.3	21.3	77.3	0.0	0.0	0.0	7.7
17	15.0	28.5	20.6	75.3	0.0	0.0	0.0	9.3
18	15.4	28.8	21.2	76.7	0.0	0.0	0.0	8.9
19	16.0	28.9	21.0	76.7	0.0	0.0	0.0	7.0
20	16.1	26.5	19.4	86.0	12.9	0.0	12.9	3.1
21	15.7	26.2	20.2	82.0	0.0	0.0	0.0	1.4
22	15.0	28.2	21.2	78.0	0.0	0.0	0.0	6.7
23	16.0	28.4	21.2	76.7	0.0	0.0	0.0	9.3
24	14.9	29.2	21.6	75.7	0.0	0.0	0.0	9.2
25	14.8	29.5	22.0	78.3	0.0	0.0	0.0	9.1
26	16.1	29.0	22.4	80.0	0.0	0.0	0.0	7.9
27	16.0	28.8	22.4	79.3	0.0	0.0	0.0	8.1
28	16.1	29.4	21.6	76.0	0.0	0.0	0.0	6.1
29	16.8	27.8	21.1	83.7	0.0	0.0	0.0	4.3
30	17.0	26.9	21.2	80.3	0.0	0.0	0.0	4.3
31	16.1	27.1	20.8	82.7	0.0	0.0	0.0	5.3
Total :					45.5	103.6	149.1	173.4
Promedio :	16.5	27.7	21.2	81.7				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.4	27.2	21.7	76.0	0.0	0.0	0.0	3.9
2	15.3	28.5	21.5	74.0	0.0	0.0	0.0	9.2
3	15.0	29.0	21.5	76.3	0.0	0.0	0.0	8.5
4	16.2	26.2	20.6	82.0	0.0	0.0	0.0	2.0
5	16.0	27.0	21.0	81.3	0.0	0.0	0.0	5.2
6	16.1	27.5	22.1	80.3	0.0	0.0	0.0	4.4
7	16.2	25.5	20.5	88.0	5.4	0.0	5.4	.9
8	16.9	28.6	22.0	81.0	0.0	0.0	0.0	2.9
9	17.0	26.8	20.0	85.3	8.7	1.2	9.9	1.8
10	16.0	27.5	20.9	80.3	0.0	0.0	0.0	7.5
11	15.8	28.7	21.3	81.0	0.0	0.0	0.0	7.1
12	17.0	25.3	20.3	85.7	0.0	0.0	0.0	1.1
13	16.7	25.0	20.0	84.3	0.0	0.0	0.0	3.1
14	15.3	27.3	20.6	81.7	0.0	0.0	0.0	4.7
15	17.7	27.2	21.6	83.0	0.0	10.1	10.1	3.5
16	17.5	24.0	20.5	87.3	0.0	.3	.3	0.0
17	17.1	28.8	22.3	79.3	0.0	0.0	0.0	6.5
18	16.7	26.8	20.5	83.3	0.0	0.0	0.0	2.2
19	16.5	25.7	20.7	81.7	2.1	0.0	2.1	.8
20	15.7	28.2	21.6	80.0	.4	3.4	3.8	7.8
21	18.0	26.9	20.4	82.7	0.0	0.0	0.0	.5
22	16.0	27.4	21.4	79.3	0.0	1.8	1.8	2.5
23	17.5	28.6	21.6	81.3	0.0	0.0	0.0	3.9
24	16.7	25.1	20.4	82.7	1.0	.9	1.9	.2
25	15.8	24.3	20.1	85.0	.3	.7	1.0	1.0
26	14.4	25.2	20.0	83.3	0.0	22.0	22.0	4.5
27	15.6	25.6	20.0	84.3	.1	9.3	9.4	4.0
28	15.2	25.1	20.8	84.7	0.0	30.9	30.9	.4
29	16.8	26.7	21.6	79.7	0.0	0.0	0.0	4.2
30	15.3	27.0	21.0	81.0	.2	0.0	.2	7.3
31								
Total :					18.2	80.6	98.8	111.6
Promedio :	16.3	26.8	21.0	81.9				

Estación : FRANCISCO ROMERO
Año : 1999

Dpto. : NORTE SANTANDER
Mpio. : SALAZAR

Latitud : 7 ° 45 'N
Longitud : 72 ° 47 'W
Altitud : 1000 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.2	28.4	23.2	81.3	0.0	0.0	0.0	6.4
2	18.5	29.8	23.6	79.3	0.0	.9	.9	8.5
3	18.2	28.1	21.2	80.7	.3	0.0	.3	3.9
4	16.8	29.0	23.2	72.0	0.0	0.0	0.0	5.9
5	16.9	30.6	22.7	77.0	0.0	0.0	0.0	8.1
6	17.5	30.0	23.6	75.0	0.0	0.0	0.0	7.3
7	17.7	27.6	22.0	81.0	1.6	0.0	1.6	1.4
8	17.6	26.9	22.7	83.0	0.0	0.0	0.0	1.7
9	18.5	26.0	21.6	86.3	.2	.5	.7	2.9
10	18.4	28.8	22.8	77.3	0.0	0.0	0.0	6.9
11	15.8	28.6	22.2	77.7	0.0	0.0	0.0	6.3
12	16.8	27.6	22.0	81.3	0.0	0.0	0.0	3.5
13	17.7	28.8	23.0	79.3	.7	0.0	.7	6.7
14	17.3	29.8	23.2	77.0	0.0	0.0	0.0	7.9
15	16.3	29.8	21.4	81.0	7.9	0.0	7.9	5.3
16	16.0	28.9	22.5	77.0	0.0	0.0	0.0	5.3
17	17.3	29.8	23.0	76.7	0.0	0.0	0.0	8.7
18	16.8	29.3	23.1	78.7	0.0	0.0	0.0	6.4
19	17.4	30.9	23.2	75.3	0.0	0.0	0.0	5.0
20	16.8	30.8	24.0	72.3	0.0	0.0	0.0	8.3
21	18.8	29.5	23.2	78.0	0.0	0.0	0.0	3.3
22	17.5	29.6	22.8	80.3	0.0	0.0	0.0	3.2
23	18.2	28.8	22.8	85.0	1.9	0.0	1.9	3.8
24	16.8	29.6	22.2	76.7	0.0	0.0	0.0	7.6
25	17.7	29.8	23.5	75.0	0.0	0.0	0.0	8.6
26	17.6	28.8	23.5	76.0	0.0	0.0	0.0	4.1
27	18.0	30.0	22.8	80.7	27.3	0.0	27.3	4.9
28	16.7	28.8	21.7	82.3	0.0	0.0	0.0	2.9
29	18.0	28.2	22.5	84.0	.3	0.0	.3	3.1
30	19.1	28.7	22.0	85.0	19.0	2.0	21.0	4.7
31	16.6	29.3	22.6	80.7	0.0	1.0	1.0	4.9
Total :					59.2	4.4	63.6	167.5
Promedio :	17.4	29.1	22.7	79.1				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.7	29.8	22.8	81.0	0.0	0.0	0.0	8.3
2	17.8	28.6	22.6	79.7	0.0	0.0	0.0	2.6
3	18.8	28.4	22.8	79.0	0.0	0.0	0.0	4.4
4	17.8	30.1	22.8	78.7	0.0	0.0	0.0	4.1
5	17.9	29.5	23.5	78.3	0.0	3.4	3.4	5.2
6	17.7	29.2	22.6	79.7	0.0	0.0	0.0	.7
7	17.4	29.6	22.2	79.3	0.0	0.0	0.0	2.9
8	16.8	27.7	21.6	81.7	0.0	0.0	0.0	2.0
9	17.5	31.2	24.2	71.3	0.0	0.0	0.0	5.7
10	17.3	25.8	21.2	85.7	0.0	0.0	0.0	.7
11	16.8	29.8	23.0	77.3	0.0	0.0	0.0	7.4
12	17.0	28.9	21.4	83.7	4.3	0.0	4.3	3.5
13	16.8	29.8	21.6	81.0	12.0	.3	12.3	.2
14	15.9	28.2	22.3	80.7	0.0	0.0	0.0	7.2
15	17.1	28.8	23.7	76.3	0.0	1.0	1.0	7.5
16	17.0	29.8	22.5	77.0	0.0	0.0	0.0	6.7
17	16.8	30.5	22.6	78.3	0.0	0.0	0.0	8.5
18	16.0	30.9	23.0	73.0	0.0	0.0	0.0	9.4
19	17.4	30.4	23.6	76.3	0.0	0.0	0.0	7.5
20	18.8	27.8	22.6	83.7	0.0	0.0	0.0	3.2
21	17.8	29.1	22.2	82.0	0.0	0.0	0.0	2.9
22	19.0	25.6	21.2	90.3	1.1	0.0	1.1	.1
23	17.7	31.6	23.8	78.0	0.0	32.4	32.4	7.1
24	18.6	30.1	21.9	84.0	3.6	.4	4.0	4.4
25	18.0	27.0	22.4	86.0	0.0	0.0	0.0	1.8
26	17.9	29.8	23.8	79.0	0.0	0.0	0.0	5.4
27	18.8	25.6	21.5	95.7	15.2	1.3	16.5	.2
28	18.9	24.5	20.6	95.7	.9	0.0	.9	1.0
29	17.8	27.9	22.4	82.7	0.0	0.0	0.0	1.9
30	17.4	29.8	22.7	76.3	0.0	0.0	0.0	5.5
31	17.0	30.8	23.5	77.3	0.0	0.0	0.0	7.4
Total :					37.1	38.8	75.9	135.4
Promedio :	17.6	28.9	22.5	80.9				

Estación : FRANCISCO ROMERO
Año : 1999

Dpto. : NORTE SANTANDER
Mpio. : SALAZAR

Latitud : 7 ° 45 'N
Longitud : 72 ° 47 'W
Altitud : 1000 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.9	30.0	22.8	83.3	3.4	0.0	3.4	4.7
2	19.0	28.5	23.0	82.3	0.0	0.0	0.0	0.0
3	18.0	28.9	22.6	81.0	0.0	0.0	0.0	3.4
4	17.8	29.9	22.2	82.0	5.6	65.1	70.7	7.4
5	18.8	26.8	21.2	89.3	0.0	0.0	0.0	1.3
6	17.4	29.8	22.7	86.0	2.5	0.0	2.5	5.9
7	17.8	30.8	23.8	79.7	0.0	0.0	0.0	6.6
8	18.8	28.0	21.2	90.7	0.0	0.0	0.0	2.9
9	18.7	29.0	23.2	80.7	0.0	62.1	62.1	2.9
10	17.4	26.8	22.6	82.7	0.0	0.0	0.0	2.0
11	18.7	29.1	22.2	81.0	21.1	22.1	43.2	3.0
12	17.6	27.7	22.3	82.0	0.0	.2	.2	5.1
13	19.5	24.8	22.5	90.7	10.9	27.1	38.0	.7
14	18.8	25.9	22.3	86.7	.4	40.8	41.2	0.0
15	18.3	26.0	21.5	85.0	6.0	52.8	58.8	1.3
16	18.8	29.6	23.3	83.7	.4	0.0	.4	4.5
17	19.0	29.4	22.1	86.3	.1	0.0	.1	2.7
18	18.0	29.9	23.8	78.7	0.0	0.0	0.0	6.2
19	18.3	31.6	24.7	76.7	0.0	0.0	0.0	8.3
20	18.6	31.1	23.2	79.3	7.0	31.7	38.7	6.0
21	18.7	30.5	23.5	80.7	.8	0.0	.8	5.0
22	18.5	27.8	22.8	85.0	0.0	7.2	7.2	1.5
23	17.3	24.9	20.7	92.0	.7	0.0	.7	0.0
24	17.4	30.3	22.8	81.3	.7	2.0	2.7	4.9
25	17.6	27.0	22.6	87.0	1.2	6.6	7.8	2.8
26	18.5	29.1	22.6	85.3	26.7	.2	26.9	5.4
27	17.8	28.1	22.2	85.7	0.0	.3	.3	4.6
28	18.8	24.8	20.6	97.0	26.7	0.0	26.7	.1
29	16.6	27.9	21.8	83.7	0.0	0.0	0.0	5.4
30	19.8	26.8	21.8	86.7	.3	0.0	.3	.8
31								
Total :					114.5	318.2	432.7	105.4
Promedio :	18.3	28.4	22.5	84.4				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.8	29.7	22.6	77.0	13.9	14.7	28.6	6.0
2	18.0	27.8	22.4	85.0	.9	4.0	4.9	4.1
3	17.8	28.3	23.1	84.7	1.7	0.0	1.7	4.5
4	19.0	28.9	23.1	83.0	0.0	0.0	0.0	3.3
5	18.8	29.8	22.2	82.7	25.3	1.1	26.4	3.4
6	17.8	27.4	22.6	80.0	.1	47.1	47.2	.2
7	19.4	27.6	21.6	86.7	18.8	6.8	25.6	3.1
8	17.7	24.3	20.9	92.0	0.0	0.0	0.0	.2
9	16.0	28.8	23.0	81.0	0.0	0.0	0.0	7.3
10	18.1	28.9	22.2	84.0	14.5	25.5	40.0	5.5
11	19.8	26.8	21.4	94.0	1.8	0.0	1.8	3.2
12	17.8	28.7	22.5	82.0	0.0	0.0	0.0	7.2
13	17.9	29.3	22.8	82.0	0.0	0.0	0.0	7.6
14	18.5	29.1	23.8	84.3	0.0	0.0	0.0	4.5
15	19.1	29.8	22.8	84.3	.1	0.0	.1	7.2
16	18.9	28.5	21.7	87.7	16.1	53.6	69.7	2.6
17	17.8	27.4	21.2	85.3	19.1	17.0	36.1	2.5
18	17.7	28.0	21.5	88.7	21.7	3.0	24.7	5.9
19	18.7	28.6	23.0	88.7	2.8	7.5	10.3	6.3
20	18.8	28.7	22.8	88.3	5.1	5.5	10.6	5.4
21	18.9	28.9	22.6	87.3	3.6	41.0	44.6	4.2
22	19.1	26.6	22.0	89.3	0.0	29.4	29.4	1.0
23	18.3	27.6	21.8	88.7	.3	14.2	14.5	2.6
24	18.0	25.8	21.8	88.3	0.0	69.4	69.4	1.8
25	17.7	28.8	23.2	84.7	.8	6.6	7.4	5.8
26	18.8	29.8	23.4	83.7	0.0	21.6	21.6	8.3
27	17.6	28.8	22.9	85.7	0.0	16.4	16.4	6.9
28	19.6	28.9	23.2	86.3	.5	21.3	21.8	6.2
29	19.4	28.3	22.7	87.0	0.0	0.0	0.0	5.8
30	18.2	28.0	22.3	83.3	0.0	0.0	0.0	3.0
31	18.6	28.8	23.0	85.3	1.1	.9	2.0	7.8
Total :					148.2	406.6	554.8	143.4
Promedio :	18.4	28.3	22.5	85.5				

Estación : FRANCISCO ROMERO
Año : 1999

Dpto. : NORTE SANTANDER
Mpio. : SALAZAR

Latitud : 7 ° 45 'N
Longitud : 72 ° 47 'W
Altitud : 1000 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	20.2	28.7	23.4	88.0	0.0	0.0	0.0	4.9
2	19.2	27.3	22.7	88.7	0.0	0.0	0.0	3.7
3	18.3	27.1	22.6	90.7	2.0	0.0	2.0	3.6
4	19.6	27.8	22.8	87.7	.4	1.4	1.8	4.2
5	19.5	27.1	23.0	91.7	0.0	0.0	0.0	5.1
6	17.5	27.0	22.1	86.7	0.0	12.8	12.8	2.8
7	17.7	28.1	22.2	87.3	40.3	18.8	59.1	6.0
8	18.9	27.8	22.1	89.7	29.9	.5	30.4	2.0
9	19.3	27.6	22.6	91.0	13.1	30.0	43.1	3.6
10	18.6	28.7	22.4	87.7	0.0	0.0	0.0	4.8
11	18.8	28.0	22.2	85.3	0.0	0.0	0.0	5.6
12	18.7	28.7	23.0	84.3	4.9	6.8	11.7	5.9
13	18.8	27.4	23.2	88.3	0.0	31.4	31.4	2.0
14	19.6	28.9	23.5	84.0	4.0	.6	4.6	6.3
15	19.6	29.2	23.7	87.0	.2	0.0	.2	5.0
16	18.6	30.8	23.1	81.3	0.0	0.0	0.0	8.5
17	18.8	27.9	23.0	89.3	1.6	26.2	27.8	4.6
18	18.9	25.8	21.6	93.3	19.5	13.6	33.1	1.6
19	19.6	24.9	20.6	95.0	2.4	3.7	6.1	1.1
20	19.7	22.3	20.4	96.7	2.7	.8	3.5	0.0
21	18.8	27.1	21.7	84.3	0.0	0.0	0.0	6.3
22	16.4	28.1	22.5	83.0	0.0	0.0	0.0	6.3
23	18.6	27.5	22.6	88.7	.5	.1	.6	4.2
24	19.0	26.8	22.6	88.3	0.0	14.7	14.7	3.6
25	19.8	25.8	21.8	89.3	6.4	3.1	9.5	1.9
26	17.8	28.2	22.4	87.0	1.5	0.0	1.5	5.7
27	19.9	26.0	22.5	90.0	0.0	0.0	0.0	1.0
28	17.8	27.6	22.6	89.0	0.0	13.4	13.4	5.8
29	20.6	27.0	22.7	88.0	0.0	.4	.4	5.0
30	19.0	27.9	23.1	86.3	0.0	25.4	25.4	4.8
31								
Total :					129.4	203.7	333.1	125.9
Promedio :	18.9	27.4	22.5	88.3				

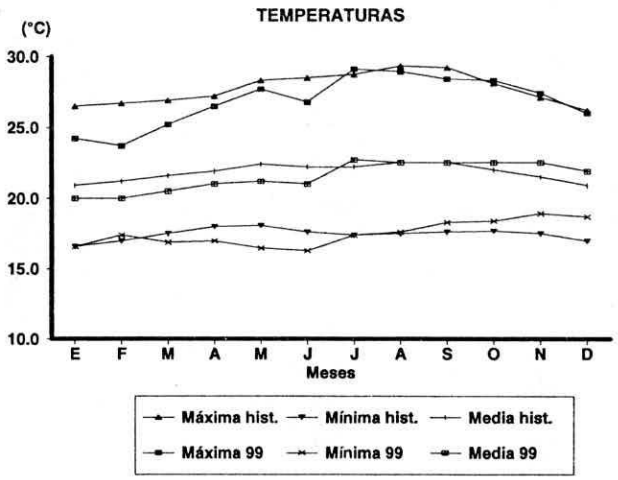
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.7	26.9	22.2	90.3	61.5	36.5	98.0	3.9
2	19.0	25.8	22.4	87.3	4.6	92.2	96.8	2.4
3	18.0	25.1	21.5	95.3	0.0	.6	.6	2.4
4	18.6	27.6	21.6	87.7	.8	0.0	.8	4.4
5	18.8	27.9	23.0	87.0	2.0	29.9	31.9	4.1
6	20.8	26.4	22.6	93.0	13.4	31.5	44.9	.8
7	20.3	23.8	21.4	94.3	5.1	.5	5.6	.1
8	18.8	27.0	22.7	88.7	0.0	0.0	0.0	3.6
9	17.8	28.9	22.6	84.3	3.4	3.7	7.1	7.2
10	19.4	25.5	21.7	93.3	1.0	0.0	1.0	1.5
11	20.2	26.4	22.8	88.0	8.9	.2	9.1	1.4
12	19.8	26.8	22.8	89.3	8.0	42.1	50.1	.9
13	19.9	27.0	23.1	91.7	1.9	0.0	1.9	2.9
14	19.8	26.9	21.4	96.3	3.3	0.0	3.3	1.6
15	18.0	26.7	22.3	95.3	1.0	3.9	4.9	2.8
16	20.5	26.8	23.0	92.7	0.0	.4	.4	1.0
17	20.8	27.0	23.3	88.0	3.0	.5	3.5	2.6
18	19.6	26.3	22.8	91.0	1.3	0.0	1.3	2.2
19	19.0	25.7	22.0	90.7	0.0	0.0	0.0	1.4
20	18.0	25.3	22.2	91.7	0.0	0.0	0.0	.5
21	18.7	27.7	22.3	88.0	0.0	0.0	0.0	5.0
22	19.8	25.7	22.3	89.7	1.3	20.7	22.0	1.4
23	17.8	24.3	20.3	93.0	10.7	0.0	10.7	.1
24	15.8	26.4	20.4	86.3	0.0	0.0	0.0	5.7
25	16.8	24.8	21.0	89.0	0.0	9.8	9.8	3.0
26	17.6	25.5	20.4	90.7	.1	.7	.8	0.0
27	18.8	23.8	21.1	91.3	0.0	0.0	0.0	1.7
28	17.5	25.3	20.5	84.0	0.0	2.9	2.9	5.5
29	17.0	25.2	20.8	85.3	.6	1.0	1.6	5.4
30	16.7	24.8	20.6	87.3	12.2	5.2	17.4	1.1
31	17.8	23.4	20.5	88.0	0.0	6.8	6.8	.5
Total :					144.1	289.1	433.2	77.1
Promedio :	18.7	26.0	21.9	90.0				

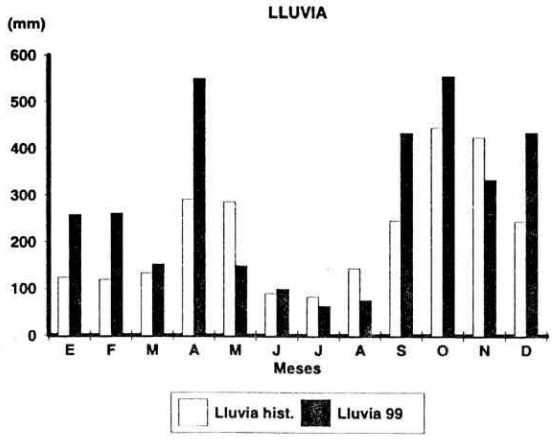
Estación : FRANCISCO ROMERO
Año : 1999

Dpto. : NORTE SANTANDER
Mpio. : SALAZAR

Latitud : 7 ° 45 'N
Longitud : 72 ° 47 'W
Altitud : 1000 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	16.6	24.2	20.0	27.2	14.7	91.6	257.6	20	73.2
Febrero	17.4	23.7	20.0	27.2	15.7	91.9	260.3	21	37.4
Marzo	16.9	25.2	20.5	27.8	14.9	90.1	152.3	14	89.3
Abril	17.0	26.5	21.0	29.2	13.9	87.2	549.3	16	100.5
Mayo	16.5	27.7	21.2	29.5	14.8	81.7	149.1	13	173.4
Junio	16.3	26.8	21.0	29.0	14.4	81.9	98.8	13	111.6
Julio	17.4	29.1	22.7	30.9	15.8	79.1	63.6	11	167.5
Agosto	17.6	28.9	22.5	31.6	15.9	80.9	75.9	9	135.4
Septiembre	18.3	28.4	22.5	31.6	16.6	84.4	432.7	21	105.4
Octubre	18.4	28.3	22.5	29.8	16.0	85.5	554.8	23	143.4
Noviembre	18.9	27.4	22.5	30.8	16.4	88.3	333.1	21	125.9
Diciembre	18.7	26.0	21.9	28.9	15.8	90.0	433.2	25	77.1
Promedio :	17.5	26.8	21.5			86.1			
Absoluta :				31.6	13.9				
Total :							3360.7	207	1340.1





Estación : BLONAY
Año : 1999

Dpto. : NORTE SANTANDER
Mpio. : CHINACOTA

Latitud : 7 ° 34 'N
Longitud : 72 ° 37 'W
Altitud : 1235 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	25.0	19.3	85.3	0.0	0.0	0.0	4.3
2	15.3	22.2	18.7	87.3	1.2	0.0	1.2	.8
3	15.8	24.8	19.9	83.7	0.0	9.9	9.9	3.2
4	17.0	20.2	18.8	88.7	.5	0.0	.5	0.0
5	15.9	23.5	19.0	86.7	0.0	0.0	0.0	3.6
6	16.0	24.5	19.4	81.0	0.0	0.0	0.0	6.6
7	12.6	24.0	18.7	83.3	0.0	.2	.2	5.6
8	13.8	24.1	19.0	84.3	2.0	.2	2.2	4.7
9	13.5	27.3	20.0	74.3	2.9	4.2	7.1	6.7
10	16.0	23.5	19.5	86.0	0.0	4.6	4.6	1.2
11	16.5	23.2	18.9	87.7	7.7	27.2	34.9	.8
12	17.0	23.0	19.4	84.3	.1	.7	.8	1.3
13	16.2	23.1	18.9	83.7	0.0	.5	.5	3.4
14	15.8	23.8	18.8	78.0	.2	8.6	8.8	2.7
15	14.2	22.0	18.0	84.0	0.0	0.0	0.0	2.2
16	13.8	23.9	19.2	79.0	.8	.6	1.4	3.4
17	15.5	23.5	18.9	83.3	1.4	.6	2.0	3.2
18	14.5	24.0	18.4	83.0	0.0	0.0	0.0	1.6
19	15.2	21.8	16.9	93.3	3.5	0.0	3.5	.6
20	16.0	23.8	19.6	79.0	0.0	.6	.6	2.2
21	15.8	22.2	18.1	84.0	0.0	0.0	0.0	1.7
22	15.0	24.0	19.0	84.0	0.0	0.0	0.0	3.3
23	16.0	21.5	18.3	86.3	.2	0.0	.2	.8
24	15.0	23.6	19.1	85.3	2.2	2.1	4.3	2.4
25	17.0	20.2	17.7	92.3	16.9	7.2	24.1	0.0
26	15.0	20.5	17.6	89.3	1.6	5.2	6.8	0.0
27	16.0	19.5	16.9	91.7	1.7	4.8	6.5	0.0
28	14.8	18.2	16.3	92.0	1.6	1.2	2.8	0.0
29	14.2	24.4	18.8	80.0	0.0	0.0	0.0	6.3
30	15.8	25.0	19.4	82.0	0.0	0.0	0.0	3.8
31	15.2	24.8	19.1	84.0	.1	0.0	.1	1.9
Total :					44.6	78.4	123.0	78.3
Promedio :	15.3	23.1	18.7	84.7				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.5	21.5	18.4	84.0	46.3	18.8	65.1	0.0
2	15.8	21.8	18.6	87.7	4.2	0.0	4.2	.2
3	16.2	22.5	18.8	85.7	2.0	0.0	2.0	.9
4	13.5	21.2	18.4	85.3	0.0	0.0	0.0	1.6
5	14.0	21.5	17.4	87.7	.5	3.3	3.8	1.5
6	14.5	20.0	17.2	92.3	3.9	7.5	11.4	0.0
7	14.1	19.0	16.9	92.0	0.0	0.0	0.0	0.0
8	15.2	23.0	18.2	83.7	0.0	0.0	0.0	2.9
9	15.5	25.8	19.7	79.0	0.0	1.2	1.2	5.2
10	16.8	23.3	18.6	87.0	1.3	0.0	1.3	.5
11	16.2	24.0	19.0	83.3	0.0	0.0	0.0	2.4
12	15.0	25.2	20.0	82.0	0.0	0.0	0.0	2.8
13	15.1	24.0	18.6	84.3	0.0	0.0	0.0	3.0
14	14.8	24.1	19.1	80.3	0.0	.5	.5	2.3
15	15.3	24.7	19.6	84.3	15.1	9.1	24.2	2.0
16	16.1	20.2	18.2	91.0	0.0	0.0	0.0	0.0
17	16.0	20.5	18.2	90.3	1.1	30.0	31.1	.9
18	16.5	22.1	18.5	89.0	1.5	.3	1.8	0.0
19	15.6	23.8	19.1	84.0	0.0	.6	.6	2.6
20	15.8	23.2	18.0	86.3	100.8	0.0	100.8	.7
21	15.2	23.3	18.6	87.3	2.3	2.6	4.9	3.1
22	16.5	22.0	18.1	88.7	0.0	0.0	0.0	0.0
23	16.0	22.9	18.1	90.7	6.3	4.2	10.5	2.5
24	16.0	19.2	17.4	93.7	11.7	.5	12.2	0.0
25	15.8	20.0	17.6	93.7	3.5	1.8	5.3	.1
26	15.3	20.2	17.7	91.7	.6	.6	1.2	.2
27	15.9	24.3	19.5	83.3	0.0	.3	.3	4.0
28	16.0	18.8	17.0	94.0	0.0	1.8	1.8	0.0
29								
30								
31								
Total :					201.1	83.1	284.2	39.4
Promedio :	15.5	22.2	18.4	87.2				

Estación : BLONAY
Año : 1999

Dpto. : NORTE SANTANDER
Mpio. : CHINACOTA

Latitud : 7 ° 34 'N
Longitud : 72 ° 37 'W
Altitud : 1235 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	20.0	17.3	95.0	.2	.2	.4	.1
2	16.0	22.0	18.5	86.0	0.0	.4	.4	.5
3	15.0	24.5	19.1	85.3	0.0	0.0	0.0	4.3
4	14.0	25.2	19.1	80.3	0.0	1.8	1.8	6.2
5	15.5	23.0	19.6	84.7	0.0	0.0	0.0	3.1
6	13.6	24.0	19.1	84.3	0.0	0.0	0.0	6.8
7	13.2	23.6	18.5	84.7	0.0	.3	.3	4.9
8	14.5	22.0	18.2	84.7	0.0	0.0	0.0	.5
9	16.0	20.5	16.5	92.7	.9	0.0	.9	.1
10	13.5	21.5	17.4	89.7	1.5	1.3	2.8	.3
11	15.5	24.5	19.1	80.7	0.0	0.0	0.0	1.7
12	16.5	26.5	20.2	78.0	0.0	0.0	0.0	3.6
13	16.0	24.5	19.0	92.3	.4	0.0	.4	1.5
14	14.3	24.0	18.8	81.7	5.7	.5	6.2	1.0
15	16.0	25.5	19.9	80.3	0.0	0.0	0.0	1.9
16	15.0	27.5	20.0	81.3	13.2	35.3	48.5	2.9
17	16.0	23.5	19.0	90.0	0.0	0.0	0.0	1.9
18	17.0	19.4	18.1	92.7	.6	.1	.7	0.0
19	15.8	23.5	18.9	85.7	0.0	.1	.1	3.8
20	15.3	23.0	18.6	84.0	0.0	0.0	0.0	.3
21	14.3	23.4	18.0	89.3	0.0	0.0	0.0	1.9
22	16.3	25.2	20.4	81.3	0.0	0.0	0.0	3.5
23	15.2	25.0	19.7	83.3	0.0	.5	.5	2.5
24	15.3	22.8	18.7	88.0	0.0	0.0	0.0	.3
25	15.8	26.7	20.9	80.7	0.0	0.0	0.0	3.8
26	16.5	28.5	20.8	73.3	0.0	0.0	0.0	4.1
27	17.2	27.0	20.6	78.0	0.0	0.0	0.0	2.9
28	17.0	23.0	19.4	90.3	3.8	0.0	3.8	.3
29	16.0	24.5	19.8	88.0	3.8	.1	3.9	3.5
30	15.8	24.0	19.5	88.3	.2	0.0	.2	2.6
31	17.2	24.4	19.8	87.3	0.0	0.0	0.0	2.1
Total					30.3	40.6	70.9	72.9
Promedio :	15.5	24.0	19.1	85.2				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.4	25.1	20.7	82.0	.4	4.2	4.6	4.3
2	17.1	24.3	19.8	88.3	2.6	0.0	2.6	1.5
3	15.9	25.8	20.0	84.(	0.0	4.4	4.4	2.0
4	17.2	23.5	19.7	87.3	.4	.7	1.1	.2
5	16.0	24.3	19.2	85.7	22.3	1.0	23.3	3.3
6	17.0	24.1	20.0	85.0	0.0	.9	.9	1.7
7	15.9	22.7	18.8	91.3	14.6	56.4	71.0	.5
8	16.2	20.5	18.2	93.0	14.8	.5	15.3	0.0
9	15.4	23.5	19.0	87.7	25.4	23.8	49.2	.3
10	16.0	24.8	19.0	85.3	3.7	0.0	3.7	.5
11	16.2	24.0	19.8	87.0	1.6	0.0	1.6	1.8
12	17.0	23.1	19.8	87.7	2.6	1.0	3.6	.6
13	16.5	24.5	20.0	85.3	0.0	0.0	0.0	2.3
14	16.0	27.5	20.7	81.3	0.0	0.0	0.0	3.6
15	15.8	23.5	18.1	91.0	1.9	0.0	1.9	.3
16	15.6	27.0	20.0	67.3	0.0	0.0	0.0	4.7
17	14.8	26.5	19.4	70.7	0.0	0.0	0.0	4.3
18	12.4	27.9	19.3	74.3	0.0	0.0	0.0	8.1
19	14.0	29.5	21.7	71.0	0.0	0.0	0.0	8.7
20	16.0	29.0	21.2	74.3	0.0	0.0	0.0	.7
21	14.8	23.5	18.2	84.0	0.0	0.0	0.0	3.6
22	16.5	29.5	20.9	73.3	0.0	0.0	0.0	8.0
23	17.2	28.8	21.3	76.0	0.0	0.0	0.0	5.0
24	16.9	26.0	20.8	77.7	0.0	.1	.1	1.0
25	16.2	25.6	20.2	81.3	1.8	6.0	7.8	3.6
26	16.0	25.6	19.2	86.3	8.3	1.5	9.8	1.4
27	15.5	25.0	20.4	83.0	0.0	0.0	0.0	3.5
28	16.2	25.5	19.8	81.0	0.0	0.0	0.0	2.9
29	14.5	28.0	19.6	74.3	0.0	0.0	0.0	4.7
30	15.0	28.2	20.6	73.7	0.0	0.0	0.0	6.2
31								
Total					100.4	100.5	200.9	89.3
Promedio :	15.8	25.6	19.8	81.7				

Estación : BLONAY
Año : 1999

Dpto. : NORTE SANTANDER
Mpio. : CHINACOTA

Latitud : 7 ° 34 'N
Longitud : 72 ° 37 'W
Altitud : 1235 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.5	27.6	21.5	78.0	.5	0.0	.5	6.4
2	16.0	28.0	20.5	76.3	.7	0.0	.7	5.1
3	16.5	28.5	21.4	76.7	1.2	0.0	1.2	5.3
4	17.0	27.8	22.4	70.0	0.0	0.0	0.0	7.8
5	16.5	28.5	21.5	73.3	0.0	0.0	0.0	7.3
6	17.0	27.5	21.5	73.7	0.0	0.0	0.0	5.7
7	15.5	27.5	19.6	82.0	3.6	0.0	3.6	5.3
8	15.5	28.5	21.6	72.7	0.0	0.0	0.0	4.7
9	17.0	28.2	21.1	76.3	0.0	4.2	4.2	2.5
10	17.5	25.3	20.4	84.3	2.4	7.4	9.8	2.8
11	17.0	26.5	19.3	84.3	2.3	.2	2.5	3.7
12	16.5	26.8	20.3	79.7	0.0	0.0	0.0	4.0
13	16.2	25.8	19.5	91.3	3.2	0.0	3.2	3.8
14	16.0	24.5	19.4	88.7	2.2	0.0	2.2	.6
15	17.0	29.0	21.4	69.0	0.0	.1	.1	6.5
16	15.0	28.9	21.5	72.3	0.0	0.0	0.0	8.0
17	14.5	29.3	19.6	72.3	0.0	0.0	0.0	9.2
18	14.0	30.0	20.2	69.7	0.0	0.0	0.0	7.5
19	15.0	29.5	20.5	68.0	0.0	0.0	0.0	6.7
20	14.8	26.3	18.7	81.0	2.4	0.0	2.4	1.4
21	16.0	25.8	19.5	78.3	0.0	0.0	0.0	1.0
22	15.2	29.5	21.2	70.3	0.0	0.0	0.0	7.7
23	16.5	30.7	21.2	69.3	0.0	0.0	0.0	9.5
24	15.5	31.3	21.1	71.7	0.0	0.0	0.0	9.5
25	14.5	29.3	21.2	71.7	0.0	0.0	0.0	9.1
26	15.5	28.5	22.2	74.3	0.0	0.0	0.0	7.6
27	16.0	28.9	21.8	72.0	0.0	0.0	0.0	8.6
28	15.5	29.0	21.0	70.0	0.0	0.0	0.0	4.6
29	16.0	27.3	20.8	79.7	4.2	.8	5.0	1.1
30	16.1	27.5	20.9	78.3	0.0	0.0	0.0	4.8
31	16.0	28.1	20.9	77.0	0.0	0.0	0.0	6.6
Total					22.7	12.7	35.4	174.4
Promedio :	15.9	28.1	20.8	75.9				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	27.5	21.0	72.3	0.0	0.0	0.0	6.1
2	15.0	31.0	21.2	66.7	0.0	0.0	0.0	9.4
3	16.0	30.0	21.3	66.7	0.0	0.0	0.0	8.9
4	17.5	28.9	21.8	69.0	0.0	0.0	0.0	4.1
5	17.0	28.0	20.6	75.0	0.0	0.0	0.0	4.2
6	16.0	26.5	21.3	76.7	.1	0.0	.1	2.9
7	17.0	24.0	20.6	85.3	3.7	0.0	3.7	1.4
8	16.5	28.0	21.6	75.0	0.0	0.0	0.0	3.0
9	16.2	25.0	20.0	83.0	7.6	.5	8.1	1.8
10	15.8	28.1	20.4	75.7	0.0	0.0	0.0	8.1
11	16.0	28.8	20.9	77.0	0.0	.2	.2	7.0
12	16.5	25.0	20.5	84.3	0.0	0.0	0.0	.9
13	15.9	26.2	20.1	78.3	0.0	0.0	0.0	3.4
14	16.0	25.8	20.2	79.0	.7	0.0	.7	1.5
15	17.5	28.3	21.7	73.0	8.4	.9	9.3	4.8
16	17.0	23.5	20.0	85.7	1.8	.2	2.0	.1
17	16.0	28.4	21.0	75.3	0.0	.6	.6	5.4
18	16.5	25.8	19.2	90.0	.6	0.0	.6	.8
19	16.0	27.4	19.8	80.0	.7	0.0	.7	3.4
20	15.6	29.2	21.8	72.0	0.0	2.3	2.3	3.4
21	17.5	23.5	19.4	87.0	8.3	.2	8.5	0.0
22	15.5	26.9	20.8	77.3	0.0	8.2	8.2	4.7
23	16.5	26.5	19.8	78.0	.4	0.0	.4	2.3
24	15.0	25.2	19.6	79.7	.8	1.5	2.3	1.5
25	15.2	24.0	19.4	81.7	0.0	.4	.4	1.6
26	15.6	26.0	20.7	74.3	0.0	.4	.4	4.2
27	15.8	25.8	19.8	82.3	8.1	4.2	12.3	3.0
28	16.0	24.5	20.2	79.7	.2	18.2	18.4	.7
29	16.7	26.4	20.3	79.0	5.5	0.0	5.5	2.7
30	15.5	27.0	20.8	75.7	0.0	0.0	0.0	6.3
31								
Total					46.9	37.8	84.7	107.6
Promedio :	16.2	26.7	20.5	77.8				

Estación : BLONAY
Año : 1999

Dpto. : NORTE SANTANDER
Mpio. : CHINACOTA

Latitud : 7 ° 34 'N
Longitud : 72 ° 37 'W
Altitud : 1235 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.8	26.2	19.0	88.0	1.7	0.0	1.7	3.5
2	15.5	28.2	20.8	73.0	0.0	2.0	2.0	8.3
3	16.0	25.5	18.8	80.3	4.7	0.0	4.7	2.6
4	15.0	25.6	19.9	77.7	.3	0.0	.3	1.9
5	15.2	27.4	19.6	72.0	0.0	0.0	0.0	7.8
6	14.0	27.8	20.8	72.7	0.0	.2	.2	8.6
7	15.9	26.5	20.0	76.3	2.7	0.0	2.7	1.7
8	14.8	25.0	19.8	86.0	1.0	6.4	7.4	2.1
9	17.0	24.5	19.6	80.3	0.0	.3	.3	2.2
10	16.0	26.4	19.0	82.0	3.1	0.0	3.1	4.6
11	14.3	26.3	19.5	81.3	0.0	0.0	0.0	6.1
12	15.5	26.5	19.8	79.7	0.0	0.0	0.0	3.3
13	16.4	27.0	20.2	80.7	2.9	.4	3.3	4.8
14	15.5	27.3	19.9	78.0	0.0	0.0	0.0	7.5
15	15.0	26.0	19.8	71.7	.2	0.0	.2	3.5
16	16.5	26.9	20.6	73.0	0.0	0.0	0.0	4.2
17	15.8	29.2	21.8	69.3	0.0	0.0	0.0	8.3
18	15.5	26.9	20.6	74.3	0.0	0.0	0.0	3.5
19	16.5	28.6	21.0	70.7	0.0	0.0	0.0	3.8
20	15.2	28.9	21.2	68.3	0.0	.2	.2	6.8
21	17.4	26.8	21.2	78.0	0.0	0.0	0.0	3.7
22	15.3	26.0	19.8	81.3	0.0	0.0	0.0	3.7
23	16.0	27.1	19.7	82.3	1.6	.1	1.7	1.7
24	15.2	26.9	19.8	76.7	0.0	0.0	0.0	4.5
25	15.9	27.8	21.0	72.7	0.0	0.0	0.0	5.8
26	16.5	27.5	20.5	77.0	0.0	0.0	0.0	4.0
27	16.0	27.8	19.8	82.0	4.0	0.0	4.0	3.2
28	14.4	25.8	19.4	81.0	0.0	0.0	0.0	2.3
29	16.1	25.4	20.0	80.3	.3	0.0	.3	2.7
30	16.0	27.3	19.8	81.7	24.1	.4	24.5	2.8
31	14.9	28.1	20.8	79.0	.4	2.6	3.0	4.1
Total :					47.0	12.6	59.6	133.6
Promedio :	15.6	26.9	20.1	77.7				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	26.5	20.4	80.7	.2	1.4	1.6	6.6
2	15.5	25.3	19.7	81.3	7.2	.3	7.5	1.0
3	16.4	25.0	19.6	81.7	21.0	.1	21.1	2.8
4	15.4	25.7	19.5	88.7	3.0	.1	3.1	2.4
5	15.0	25.0	19.8	82.7	3.0	0.0	3.0	1.4
6	14.8	28.1	18.5	90.7	1.2	0.0	1.2	6.0
7	14.5	26.5	19.8	77.0	0.0	0.0	0.0	3.9
8	15.2	25.0	19.4	81.0	0.0	0.0	0.0	1.9
9	16.2	29.8	21.5	67.0	0.0	0.0	0.0	5.4
10	15.0	24.0	18.2	88.0	7.5	0.0	7.5	2.0
11	14.2	28.3	20.5	74.7	0.0	0.0	0.0	7.4
12	15.0	26.0	18.8	87.7	9.5	0.0	9.5	2.6
13	15.1	27.6	19.0	81.3	20.9	.5	21.4	1.5
14	14.2	26.5	20.2	78.7	0.0	0.0	0.0	4.8
15	15.2	26.4	20.6	78.7	.7	2.8	3.5	5.5
16	15.8	27.5	19.8	81.0	.6	0.0	.6	2.9
17	14.7	28.0	20.4	76.7	0.0	0.0	0.0	6.2
18	14.4	28.5	19.8	74.3	0.0	.9	.9	7.4
19	14.9	27.8	20.4	76.7	0.0	.5	.5	6.7
20	15.9	25.5	19.6	84.0	0.0	0.0	0.0	1.2
21	16.0	25.2	19.0	93.0	1.5	0.0	1.5	2.3
22	15.9	24.2	18.6	88.7	3.7	0.0	3.7	.8
23	14.8	27.5	20.4	77.3	0.0	.7	.7	2.4
24	16.4	28.5	20.8	77.7	0.0	0.0	0.0	3.9
25	17.0	25.0	20.3	83.7	0.0	0.0	0.0	1.2
26	16.0	28.2	21.4	74.3	.1	5.9	6.0	4.7
27	17.3	25.5	19.5	89.0	2.1	1.0	3.1	1.3
28	17.6	23.2	19.0	92.7	3.3	0.0	3.3	.7
29	16.7	26.0	20.4	79.7	0.0	0.0	0.0	3.1
30	16.0	29.2	21.0	73.0	0.0	0.0	0.0	4.6
31	14.7	28.5	20.8	75.3	0.0	0.0	0.0	5.1
Total :					85.5	14.2	99.7	109.7
Promedio :	15.5	26.6	19.9	81.2				

Estación : BLONAY
Año : 1999

Dpto. : NORTE SANTANDER
Mpio. : CHINACOTA

Latitud : 7 ° 34 'N
Longitud : 72 ° 37 'W
Altitud : 1235 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	27.5	21.0	80.0	2.5	0.0	2.5	2.5
2	17.0	25.5	20.3	81.0	.9	2.7	3.6	1.6
3	16.0	27.5	20.6	76.3	0.0	1.2	1.2	3.2
4	15.8	28.8	21.6	74.7	.1	4.1	4.2	6.1
5	16.2	23.5	18.2	91.7	.7	0.0	.7	1.1
6	15.0	27.2	21.0	80.3	.4	0.0	.4	7.4
7	15.5	28.5	20.6	77.3	2.7	0.0	2.7	0.0
8	16.0	25.0	19.0	91.7	1.3	.4	1.7	1.8
9	16.5	26.5	21.0	80.0	0.0	19.7	19.7	2.3
10	15.2	26.0	20.4	81.3	0.0	0.0	0.0	0.0
11	17.5	25.0	19.7	84.7	9.1	45.8	54.9	.8
12	15.8	24.7	19.2	85.7	1.5	9.5	11.0	1.8
13	17.5	24.5	19.5	90.7	3.9	38.1	42.0	1.3
14	16.5	23.0	19.5	87.0	6.3	22.6	28.9	.2
15	17.0	22.3	19.2	91.0	1.8	.7	2.5	0.0
16	16.5	26.9	20.5	80.3	0.0	.9	.9	4.0
17	16.1	26.7	19.8	78.3	0.0	0.0	0.0	2.0
18	16.0	27.0	20.4	78.0	0.0	0.0	0.0	5.7
19	15.5	28.8	21.2	79.0	0.0	0.0	0.0	6.9
20	14.5	26.5	20.4	90.7	.7	0.0	.7	4.3
21	16.5	28.8	21.3	76.7	0.0	0.0	0.0	4.6
22	16.0	25.9	20.0	83.3	0.0	0.0	0.0	1.0
23	15.0	21.9	17.9	90.3	1.1	0.0	1.1	0.0
24	14.6	27.9	19.8	87.0	16.6	2.5	19.1	2.2
25	15.8	24.2	18.8	91.0	20.2	0.0	20.2	1.8
26	15.9	25.5	18.8	92.7	19.7	4.5	24.2	2.8
27	16.0	25.0	19.6	87.7	.8	0.0	.8	2.5
28	16.5	22.8	19.0	84.7	4.0	0.0	4.0	0.0
29	14.5	25.5	19.2	82.3	0.0	0.0	0.0	3.8
30	16.7	24.0	19.4	84.0	0.0	0.0	0.0	.5
31								
Total :					94.3	152.7	247.0	72.2
Promedio :	16.0	25.8	19.9	84.0				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	27.0	20.0	79.7	1.4	24.7	26.1	4.0
2	15.5	26.0	19.9	80.3	1.8	.3	2.1	2.9
3	15.0	25.0	20.1	86.3	0.0	0.0	0.0	1.6
4	16.5	25.4	20.4	82.7	.1	.2	.3	2.0
5	16.0	27.0	20.0	83.0	4.6	3.4	8.0	2.4
6	15.5	25.0	19.8	81.0	1.1	3.3	4.4	1.8
7	16.0	24.5	18.8	84.3	4.6	10.0	14.6	1.1
8	15.7	21.6	18.3	90.7	0.0	0.0	0.0	.2
9	14.2	27.0	20.8	77.3	.6	7.7	8.3	6.1
10	16.0	25.5	19.6	94.7	.2	0.0	.2	3.2
11	17.7	25.0	19.4	86.3	0.0	0.0	0.0	1.7
12	15.0	27.0	20.2	80.7	0.0	0.0	0.0	4.7
13	15.5	26.8	19.9	80.3	0.0	0.0	0.0	6.2
14	16.0	26.9	20.7	81.7	0.0	0.0	0.0	5.6
15	16.2	26.8	20.0	82.7	2.1	0.0	2.1	4.2
16	16.0	25.7	20.4	85.0	13.7	9.4	23.1	3.7
17	15.0	24.0	18.3	86.3	17.0	9.1	26.1	1.3
18	16.0	25.5	20.1	83.3	1.7	4.6	6.3	1.7
19	15.7	26.0	20.2	87.7	13.3	.1	13.4	5.1
20	16.0	26.5	20.2	83.3	.9	0.0	.9	5.5
21	17.0	27.0	20.4	84.7	0.0	44.3	44.3	4.0
22	17.2	24.5	20.2	87.3	.6	41.5	42.1	2.0
23	16.5	26.0	19.4	83.3	1.3	5.5	6.8	1.8
24	16.0	25.0	20.0	88.7	0.0	23.3	23.3	2.4
25	16.5	26.0	20.5	83.7	0.0	0.0	0.0	5.5
26	15.5	27.0	20.6	78.7	.2	0.0	.2	8.0
27	15.0	26.0	20.1	83.3	0.0	0.0	0.0	6.2
28	17.0	26.4	20.8	81.7	0.0	1.1	1.1	3.9
29	16.0	25.5	19.0	91.3	6.1	0.0	6.1	5.2
30	15.5	25.0	19.5	85.0	.3	0.0	.3	3.8
31	16.0	25.4	20.2	86.0	0.0	.5	.5	5.4
Total :					71.6	189.0	260.6	113.2
Promedio :	15.9	25.7	19.9	84.2				

Estación : BLONAY
Año : 1999

Dpto. : NORTE SANTANDER
Mpio. : CHINACOTA

Latitud : 7 ° 34 'N
Longitud : 72 ° 37 'W
Altitud : 1235 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.1	27.0	20.8	84.7	0.0	.3	.3	5.2
2	17.5	26.0	20.2	84.7	0.0	0.0	0.0	5.2
3	15.8	25.6	20.2	89.7	.2	0.0	.2	4.0
4	17.0	27.9	20.7	86.7	.4	0.0	.4	2.1
5	16.5	26.0	20.4	84.7	0.0	0.0	0.0	4.8
6	14.5	25.8	20.4	83.7	0.0	0.0	0.0	3.5
7	15.8	27.3	20.9	82.0	0.0	19.4	19.4	5.8
8	17.0	25.0	19.6	92.3	57.3	1.2	58.5	2.4
9	17.1	24.2	20.1	88.3	1.0	0.0	1.0	1.9
10	15.8	26.2	20.2	83.3	0.0	0.0	0.0	7.5
11	16.5	25.5	19.5	84.0	0.0	0.0	0.0	3.1
12	15.8	26.2	20.4	82.7	0.0	0.0	0.0	6.1
13	16.0	26.0	19.8	90.0	6.2	1.1	7.3	2.3
14	16.2	25.4	20.0	89.0	1.1	.8	1.9	5.2
15	17.0	26.7	21.5	81.7	0.0	0.0	0.0	4.6
16	16.0	28.8	21.8	74.7	0.0	0.0	0.0	7.4
17	16.2	27.0	20.0	86.7	2.1	17.1	19.2	4.6
18	17.0	22.6	19.3	90.3	2.6	8.6	11.2	.4
19	17.1	22.0	18.8	91.3	0.0	11.7	11.7	.5
20	17.0	21.0	18.3	93.0	1.3	.1	1.4	5.8
21	15.5	25.8	19.7	78.3	0.0	0.0	0.0	7.9
22	15.0	25.6	19.4	81.0	0.0	0.0	0.0	6.4
23	15.1	25.5	19.7	81.3	0.0	0.0	0.0	7.5
24	15.5	24.5	19.4	87.3	0.0	28.7	28.7	4.9
25	16.0	24.0	18.4	89.3	6.0	.7	6.7	2.9
26	15.0	24.5	18.8	87.7	1.7	11.1	12.8	5.6
27	16.5	23.2	19.6	89.3	2.0	0.0	2.0	.8
28	14.0	24.3	19.2	90.0	0.0	0.0	0.0	4.4
29	14.8	25.2	20.2	82.7	0.0	0.0	0.0	5.7
30	16.0	25.5	20.2	84.0	0.0	0.0	0.0	5.0
31								
Total					81.9	100.8	182.7	133.5
Promedio	16.0	25.3	19.9	85.8				

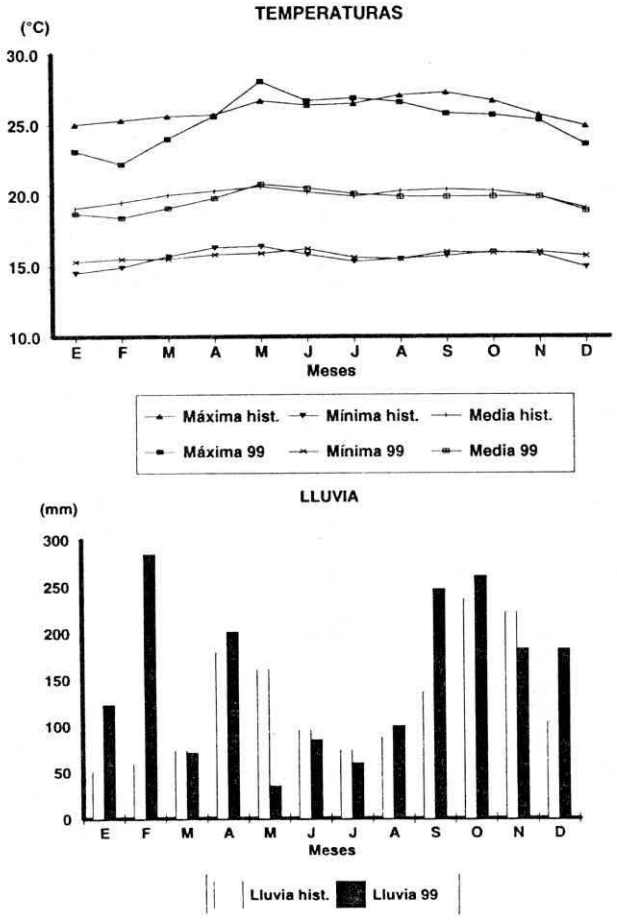
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	26.0	19.9	85.7	25.7	26.4	52.1	2.9
2	17.2	25.5	19.8	88.7	15.5	18.0	33.5	1.2
3	16.0	23.0	18.4	93 3	.6	6.3	6.9	2.1
4	16.2	23.1	18.9	91.7	.1	0.0	.1	2.1
5	16.5	24.5	19.8	88.3	9.1	0.0	9.1	4.0
6	17.5	24.5	19.6	89.0	.5	2.4	2.9	3.2
7	17.0	22.1	18.4	94.0	1.9	2.0	3.9	.8
8	16.0	23.0	18.9	88.0	0.0	0.0	0.0	1.9
9	14.0	25.1	19.2	84.3	0.0	0.0	0.0	6.3
10	14.8	23.3	18.6	92.0	0.0	.4	.4	2.5
11	15.8	22.7	18.7	92.7	6.2	.4	6.6	.9
12	15.2	24.1	19.2	89.3	7.5	1.2	8.7	1.3
13	17.0	24.5	19.8	89.3	.6	0.0	.6	3.4
14	16.0	24.4	19.0	96.7	5.5	0.0	5.5	3.0
15	15.0	23.2	20.0	93.0	4.2	0.0	4.2	.2
16	16.0	23.4	19.8	88.7	.4	0.0	.4	.2
17	15.5	23.0	19.8	89.7	1.8	0.0	1.8	.5
18	15.4	24.5	19.5	89.3	0.0	0.0	0.0	3.4
19	15.0	24.4	18.8	90.3	0.0	0.0	0.0	1.8
20	15.0	23.0	18.8	90.7	0.0	0.0	0.0	1.2
21	16.0	25.7	19.6	84.7	0.0	4.9	4.9	6.7
22	15.0	20.0	18.4	93.7	.6	2.3	2.9	0.0
23	14.5	19.5	16.9	95.7	8.0	0.0	8.0	0.0
24	13.0	23.8	18.1	84.0	0.0	0.0	0.0	5.3
25	14.0	24.0	17.3	93.7	.3	6.0	6.3	1.7
26	14.5	23.0	17.3	92.7	.2	4.0	4.2	1.1
27	16.8	22.2	18.0	87.3	.5	0.0	.5	2.3
28	14.5	24.0	18.9	81.7	0.0	3.7	3.7	2.9
29	16.5	24.0	18.7	88.0	6.2	1.4	7.6	4.7
30	17.4	23.5	19.4	86.3	.7	.2	.9	.9
31	16.5	23.6	19.0	88.3	5.5	1.3	6.8	0.0
Total					101.6	80.9	182.5	68.5
Promedio	15.7	23.6	18.9	89.7				

Estación : BLONAY
Año : 1999

Dpto. : NORTE SANTANDER
Mpio. : CHINACOTA

Latitud : 7 ° 34 'N
Longitud : 72 ° 37 'W
Altitud : 1235 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	15.3	23.1	18.7	27.3	12.6	84.7	123.0	22	78.3
Febrero	15.5	22.2	18.4	25.8	13.5	87.2	284.2	20	39.4
Marzo	15.5	24.0	19.1	28.5	13.2	85.2	70.9	15	72.9
Abril	15.8	25.6	19.8	29.5	12.4	81.7	200.9	16	89.3
Mayo	15.9	28.1	20.8	31.3	14.0	75.9	35.4	12	174.4
Junio	16.2	26.7	20.5	31.0	15.0	77.8	84.7	20	107.6
Julio	15.6	26.9	20.1	29.2	14.0	77.7	59.6	17	133.6
Agosto	15.5	26.6	19.9	29.8	14.2	81.2	99.7	19	109.7
Septiembre	16.0	25.8	19.9	28.8	14.5	84.0	247.0	22	72.2
Octubre	15.9	25.7	19.9	27.0	14.2	84.2	260.6	23	113.2
Noviembre	16.0	25.3	19.9	28.8	14.0	85.8	182.7	16	133.5
Diciembre	15.7	23.6	18.9	26.0	13.0	89.7	182.5	25	68.5
Promedio :	15.7	25.3	19.7			82.9			
Absoluta :				31.3	12.4				
Total :							1831.2	227	1192.6



Estación : MARACAY
Año : 1999

Dpto. : QUINDIO
Mpio. : QUIMBAYA

Latitud : 4 ° 36 'N
Longitud : 75 ° 44 'W
Altitud : 1450 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.5	25.8	21.0	77.3	0.0	0.0	0.0	3.6
2	16.8	24.0	19.6	86.7	3.0	1.5	4.5	3.1
3	15.1	26.0	19.8	79.7	3.8	6.1	9.9	4.2
4	17.0	26.2	19.2	83.0	115.0	15.8	130.8	3.5
5	16.5	24.8	19.8	79.3	2.9	46.8	49.7	3.4
6	16.0	25.5	20.6	78.7	0.0	24.9	24.9	3.9
7	17.0	26.5	19.6	81.0	16.7	4.9	21.6	6.7
8	16.9	23.2	20.0	83.0	4.4	50.7	55.1	1.4
9	16.0	24.0	20.2	79.3	0.0	17.2	17.2	.9
10	16.1	27.1	18.5	83.0	37.7	19.2	56.9	4.5
11	14.8	24.0	19.0	78.7	0.0	0.0	0.0	.6
12	16.0	24.1	18.9	82.3	2.4	7.9	10.3	1.3
13	15.0	26.0	20.6	72.3	0.0	0.0	0.0	6.1
14	16.4	24.8	20.1	68.7	0.0	.1	.1	3.4
15	15.2	26.2	19.6	70.0	0.0	0.0	0.0	7.2
16	15.1	23.1	18.7	76.7	0.0	0.0	0.0	2.2
17	14.0	26.0	20.2	72.7	0.0	0.0	0.0	4.6
18	15.0	27.4	19.5	80.0	17.8	0.0	17.8	5.3
19	15.1	25.0	19.5	78.7	.2	3.8	4.0	3.2
20	16.8	24.9	19.8	80.7	0.0	0.0	0.0	2.6
21	14.8	26.4	20.2	75.3	0.0	2.7	2.7	4.5
22	16.0	24.4	19.1	79.7	1.3	.1	1.4	2.4
23	15.2	25.0	19.5	80.7	3.9	.2	4.1	2.8
24	16.0	22.0	19.2	86.7	.4	1.7	2.1	.6
25	16.8	24.1	20.0	88.7	0.0	1.1	1.1	2.7
26	16.5	26.4	20.3	91.7	5.9	4.7	10.6	3.7
27	16.0	25.6	19.4	88.7	23.2	2.2	25.4	2.9
28	16.4	24.4	19.0	91.0	4.0	0.0	4.0	.2
29	16.0	26.9	20.4	75.7	0.0	0.0	0.0	3.6
30	16.4	27.5	21.8	67.7	0.0	0.0	0.0	5.7
31	17.5	27.2	20.8	78.7	1.4	0.0	1.4	4.0
Total :					244.0	211.6	455.6	104.8
Promedio :	16.0	25.3	19.8	79.9				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	25.4	20.4	82.0	.6	3.5	4.1	3.6
2	16.5	25.8	19.5	83.0	3.5	0.0	3.5	4.6
3	17.0	25.1	20.0	83.0	.8	.7	1.5	2.4
4	16.8	22.7	19.3	88.0	12.8	.2	13.0	.5
5	16.0	25.8	20.0	84.3	24.6	40.1	64.7	2.0
6	16.2	25.0	19.8	80.7	0.0	3.8	3.8	2.7
7	16.0	24.9	20.6	78.7	0.0	0.0	0.0	1.8
8	15.0	28.2	20.8	75.3	0.0	0.0	0.0	8.5
9	16.0	27.9	22.0	73.3	0.0	0.0	0.0	7.3
10	17.8	22.8	19.5	90.7	.7	0.0	.7	.4
11	15.6	27.7	19.8	82.0	6.6	0.0	6.6	7.4
12	17.0	23.8	20.4	91.3	.9	2.6	3.5	1.0
13	16.2	22.8	18.8	87.3	.4	0.0	.4	.1
14	15.9	24.0	19.7	95.3	6.5	0.0	6.5	3.2
15	15.6	22.4	18.0	89.7	8.2	0.0	8.2	.6
16	15.8	23.9	18.5	84.0	3.8	1.5	5.3	.9
17	15.9	21.4	18.0	91.0	6.3	11.8	18.1	0.0
18	15.3	24.4	18.8	81.3	1.4	2.2	3.6	2.5
19	15.0	26.4	19.0	82.3	2.9	4.0	6.9	5.3
20	15.5	23.4	18.3	85.3	2.4	.1	2.5	1.3
21	15.0	26.6	20.1	71.0	0.0	11.9	11.9	5.6
22	15.2	25.0	18.7	85.0	3.2	32.9	36.1	2.2
23	16.0	23.9	19.0	89.7	9.2	8.4	17.6	.6
24	15.2	22.8	19.0	80.7	0.0	24.2	24.2	1.0
25	15.7	25.8	19.6	82.0	.7	0.0	.7	3.2
26	16.2	26.0	19.9	81.7	1.7	50.5	52.2	2.7
27	14.8	25.6	19.6	81.0	0.0	9.9	9.9	3.2
28	16.2	22.8	18.2	86.0	10.9	31.5	42.4	.6
29								
30								
31								
Total :					108.1	239.8	347.9	75.2
Promedio :	15.9	24.7	19.5	83.8				

Estación : MARACAY
Año : 1999

Dpto. : QUINDIO
Mpio. : QUIMBAYA

Latitud : 4 ° 36 'N
Longitud : 75 ° 44 'W
Altitud : 1450 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	23.4	19.0	79.3	.3	11.4	11.7	.9
2	15.6	24.8	19.3	80.0	.1	0.0	.1	4.8
3	16.6	26.8	19.6	78.7	16.3	1.2	17.5	6.4
4	16.4	26.2	20.0	81.7	8.5	0.0	8.5	4.6
5	15.4	28.0	20.9	75.0	1.2	0.0	1.2	8.5
6	15.8	27.9	20.4	78.7	.3	0.0	.3	5.5
7	16.2	26.0	19.2	80.7	42.9	0.0	42.9	3.0
8	15.0	26.4	20.2	73.3	0.0	7.0	7.0	4.5
9	16.0	23.8	18.7	84.3	35.5	0.0	35.5	1.9
10	15.0	26.8	19.9	77.7	0.0	0.0	0.0	5.0
11	15.6	26.2	20.5	82.3	0.0	0.0	0.0	4.8
12	15.8	28.0	21.2	73.3	.2	0.0	.2	5.1
13	16.0	25.8	19.5	83.0	5.8	0.0	5.8	2.4
14	14.8	26.4	20.6	75.7	2.6	1.9	4.5	3.5
15	16.0	25.4	18.8	84.0	23.4	47.9	71.3	3.0
16	15.2	24.0	18.6	87.3	0.0	0.0	0.0	1.7
17	15.6	25.2	20.8	75.7	0.0	36.6	36.6	2.3
18	15.2	24.6	20.0	81.3	0.0	14.6	14.6	1.4
19	16.0	25.0	19.0	85.3	10.6	36.3	46.9	2.0
20	15.8	24.9	18.8	83.0	0.0	0.0	0.0	2.4
21	16.2	25.2	19.9	80.3	7.6	0.0	7.6	2.5
22	16.9	25.8	21.4	75.3	0.0	28.8	28.8	2.8
23	16.0	26.4	20.8	80.0	.3	0.0	.3	3.7
24	17.0	26.6	21.1	80.0	0.0	0.0	0.0	3.2
25	16.2	27.8	21.5	81.7	6.5	0.0	6.5	3.5
26	16.6	27.6	21.6	75.7	0.0	0.0	0.0	3.0
27	18.0	25.4	20.8	83.7	2.2	.3	2.5	1.2
28	17.0	23.6	18.6	97.0	15.9	6.9	22.8	.8
29	15.8	25.1	20.6	83.7	0.0	0.0	0.0	4.4
30	16.4	26.4	20.5	81.0	.4	4.3	4.7	3.0
31	17.0	27.2	20.8	83.0	6.5	0.0	6.5	4.9
Total :					187.1	197.2	384.3	106.7
Promedio :	16.0	25.9	20.1	80.7				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.1	26.9	20.3	79.0	1.0	0.0	1.0	2.5
2	16.8	26.8	20.5	78.0	4.7	21.8	26.5	4.4
3	16.0	23.2	18.4	91.0	0.0	0.0	0.0	1.0
4	16.1	25.4	20.8	74.7	0.0	17.0	17.0	1.2
5	15.0	26.9	20.8	75.0	0.0	0.0	0.0	6.3
6	16.8	27.1	19.2	80.0	13.7	.5	14.2	8.0
7	16.6	27.6	20.0	82.7	10.4	1.3	11.7	4.9
8	17.4	24.4	19.6	87.0	8.5	2.9	11.4	1.8
9	17.0	24.9	19.8	85.0	1.0	0.0	1.0	.6
10	16.6	24.8	18.4	86.7	74.0	.7	74.7	.8
11	15.6	25.0	20.0	82.7	0.0	4.2	4.2	3.5
12	16.9	26.6	20.1	81.0	.7	3.6	4.3	2.7
13	16.5	26.7	20.9	78.3	0.0	0.0	0.0	4.3
14	17.6	26.0	21.6	84.0	1.0	2.2	3.2	2.0
15	16.7	25.8	20.2	81.0	19.5	1.0	20.5	3.1
16	16.0	27.8	21.5	71.0	0.0	0.0	0.0	8.6
17	15.4	28.9	21.8	69.0	0.0	0.0	0.0	9.7
18	15.0	27.2	20.7	80.7	0.0	0.0	0.0	6.1
19	15.3	26.8	21.3	76.7	.3	0.0	.3	5.8
20	16.9	25.6	21.3	73.7	0.0	0.0	0.0	2.8
21	16.4	28.5	21.7	80.3	0.0	0.0	0.0	6.5
22	17.4	29.2	22.8	74.0	0.0	0.0	0.0	8.1
23	17.8	24.8	19.6	92.0	17.1	.1	17.2	.2
24	16.0	25.0	19.0	84.7	33.0	6.1	39.1	1.2
25	15.2	25.4	19.0	82.3	1.6	2.4	4.0	4.9
26	16.0	24.6	20.1	82.0	0.0	1.8	1.8	2.1
27	16.2	22.2	18.7	92.3	2.1	0.0	2.1	.3
28	16.1	23.8	19.2	88.3	3.1	.2	3.3	1.7
29	15.8	27.7	19.0	84.0	40.1	9.7	49.8	5.8
30	15.4	20.8	17.4	90.7	1.6	0.0	1.6	0.0
31								
Total :					233.4	75.5	308.9	110.9
Promedio :	16.3	25.9	20.1	81.6				

Estación : MARACAY
Año : 1999

Dpto. : QUINDIO
Mpio. : QUIMBAYA

Latitud : 4 ° 36 'N
Longitud : 75 ° 44 'W
Altitud : 1450 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	13.8	26.4	19.3	79.7	1.2	1.7	2.9	5.0
2	16.8	24.0	19.1	84.7	33.8	0.0	33.8	.9
3	15.2	27.0	21.0	76.3	0.0	2.5	2.5	5.4
4	16.8	22.0	19.0	89.0	0.0	0.0	0.0	0.0
5	15.6	26.8	19.6	80.0	.9	9.2	10.1	5.0
6	15.7	25.6	20.6	82.3	0.0	78.7	78.7	3.9
7	15.9	25.1	19.6	84.0	.3	4.3	4.6	4.1
8	16.0	27.6	19.8	81.0	0.0	0.0	0.0	4.9
9	15.6	24.5	18.2	92.3	0.0	24.6	24.6	1.3
10	14.8	25.0	20.2	80.3	0.0	0.0	0.0	7.4
11	16.0	23.8	18.9	86.3	0.0	.2	.2	2.8
12	15.0	25.0	19.4	81.3	6.5	19.0	25.5	4.4
13	15.6	22.6	19.2	92.3	.8	0.0	.8	1.2
14	15.4	26.3	21.0	75.7	0.0	0.0	0.0	5.2
15	16.4	26.8	21.2	79.3	.1	.2	.3	3.4
16	16.8	27.7	21.1	77.0	0.0	.9	.9	6.5
17	16.4	27.2	20.8	81.7	0.0	0.0	0.0	7.4
18	16.9	24.2	20.4	85.7	1.0	0.0	1.0	1.2
19	17.0	27.2	20.6	82.7	6.5	0.0	6.5	4.3
20	16.0	26.0	20.2	84.0	1.5	0.0	1.5	4.1
21	15.5	26.2	20.3	85.0	.8	0.0	.8	3.3
22	17.5	25.8	20.4	84.0	0.0	0.0	0.0	2.6
23	17.0	28.4	22.0	76.7	.5	0.0	.5	7.7
24	16.0	28.0	20.8	77.7	21.5	.1	21.6	6.9
25	15.6	26.8	20.7	82.3	0.0	0.0	0.0	6.9
26	17.0	28.8	22.2	76.0	0.0	0.0	0.0	8.1
27	16.9	27.9	21.5	76.3	.3	0.0	.3	5.8
28	16.6	25.0	21.0	85.7	.1	0.0	.1	1.6
29	17.0	27.6	20.6	84.7	3.4	0.0	3.4	1.9
30	16.7	26.8	21.2	81.3	.6	1.6	2.2	3.6
31	16.4	28.6	20.6	79.3	6.8	.2	7.0	7.8
Total :					86.6	143.2	229.8	134.6
Promedio :	16.1	26.2	20.3	82.1				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.8	26.4	22.0	78.0	.4	6.1	6.5	5.4
2	17.3	26.5	20.4	86.7	3.0	0.0	3.0	3.2
3	16.0	27.0	20.8	74.[illegible]	2.2	0.0	2.2	3.7
4	16.6	23.0	18.9	86.3	21.6	.5	22.1	.2
5	15.3	24.8	19.0	84.3	.2	.1	.3	1.9
6	15.0	24.7	19.2	87.3	1.7	0.0	1.7	1.1
7	17.0	25.2	19.5	84.0	7.4	31.9	39.3	2.3
8	15.8	25.4	19.6	81.0	1.1	2.3	3.4	3.4
9	16.0	25.8	20.6	79.0	1.5	0.0	1.5	5.9
10	14.6	27.2	21.1	78.3	0.0	.9	.9	8.9
11	17.4	25.6	21.2	82.7	1.1	0.0	1.1	2.9
12	15.8	26.7	21.3	74.7	0.0	.3	.3	4.9
13	16.0	21.2	18.0	93.7	17.9	8.9	26.8	0.0
14	14.9	24.8	18.8	84.7	1.0	0.0	1.0	3.2
15	14.9	24.5	18.6	87.0	.4	0.0	.4	1.3
16	16.5	24.3	18.4	98.0	29.1	2.8	31.9	1.1
17	14.2	26.9	19.9	79.0	0.0	35.8	35.8	7.1
18	16.0	20.2	18.0	97.3	7.4	0.0	7.4	.1
19	15.0	25.4	20.2	82.3	0.0	0.0	0.0	3.2
20	16.0	26.2	20.8	81.0	0.0	0.0	0.0	3.3
21	16.8	22.0	19.6	94.3	3.5	0.0	3.5	.9
22	16.0	24.2	19.9	85.3	.3	0.0	.3	3.0
23	15.8	23.2	19.6	86.3	.3	0.0	.3	1.7
24	16.0	25.4	19.8	86.0	.6	3.3	3.9	2.1
25	16.1	24.7	20.5	81.0	0.0	2.5	2.5	1.8
26	15.6	24.8	19.6	80.3	1.1	28.6	29.7	1.4
27	15.7	24.2	19.4	85.3	1.2	6.4	7.6	1.4
28	16.4	23.0	18.5	84.7	3.6	0.0	3.6	.4
29	13.6	24.4	19.8	75.0	0.0	1.7	1.7	4.3
30	15.2	27.0	20.6	79.7	.2	6.2	6.4	5.4
31								
Total :					106.8	138.3	245.1	85.5
Promedio :	15.8	24.8	19.8	83.9				

Estación : MARACAY
Año : 1999

Dpto. : QUINDIO
Mpio. : QUIMBAYA

Latitud : 4 ° 36 'N
Longitud : 75 ° 44 'W
Altitud : 1450 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	23.8	18.9	88.0	1.2	0.0	1.2	1.0
2	15.9	24.8	19.8	79.7	0.0	.6	.6	3.3
3	16.8	24.4	20.0	83.0	0.0	2.1	2.1	2.1
4	15.4	25.0	19.8	82.7	0.0	0.0	0.0	6.4
5	15.2	24.0	20.0	80.7	1.7	0.0	1.7	6.4
6	15.4	26.4	19.6	80.3	0.0	0.0	0.0	5.6
7	16.0	25.4	20.2	81.3	0.0	.4	.4	3.0
8	15.2	26.0	20.5	82.0	.8	0.0	.8	3.6
9	15.8	26.4	20.8	77.3	0.0	0.0	0.0	6.7
10	14.0	27.0	20.8	75.3	0.0	0.0	0.0	7.3
11	15.2	25.4	19.8	79.7	.8	0.0	.8	3.5
12	15.8	27.0	21.0	77.3	0.0	0.0	0.0	7.3
13	15.0	28.7	22.5	57.7	0.0	0.0	0.0	9.6
14	16.4	29.0	22.2	71.7	0.0	0.0	0.0	9.6
15	15.2	28.4	21.8	72.3	.5	0.0	.5	6.9
16	16.4	27.0	21.7	66.3	0.0	0.0	0.0	6.7
17	14.6	27.2	20.3	73.3	0.0	0.0	0.0	6.8
18	16.0	28.0	22.0	69.3	0.0	0.0	0.0	7.7
19	16.3	27.4	20.6	72.0	3.9	.1	4.0	4.7
20	16.0	26.2	20.6	77.0	0.0	0.0	0.0	6.2
21	17.0	28.9	21.9	66.0	0.0	0.0	0.0	6.6
22	15.8	26.4	21.2	73.0	0.0	0.0	0.0	3.1
23	17.2	25.0	20.3	80.7	6.9	0.0	6.9	2.8
24	15.6	25.4	20.6	72.7	.7	0.0	.7	4.0
25	16.9	29.8	22.0	69.3	0.0	0.0	0.0	7.4
26	15.8	27.2	21.6	73.0	0.0	2.2	2.2	4.5
27	17.8	27.4	21.8	74.3	0.0	0.0	0.0	5.1
28	17.5	27.6	22.2	69.7	.1	0.0	.1	4.9
29	16.6	25.6	21.8	69.3	0.0	0.0	0.0	1.2
30	15.6	27.7	21.8	64.7	.1	1.1	1.2	7.8
31	17.0	27.6	21.9	71.3	0.0	3.3	3.3	4.8
Total :					16.7	9.8	26.5	166.6
Promedio :	16.0	26.6	21.0	74.5				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	28.4	21.0	71.3	0.0	0.0	0.0	5.9
2	15.4	27.0	21.6	64.7	0.0	0.0	0.0	7.4
3	16.0	25.6	20.1	74.0	0.0	0.0	0.0	3.3
4	15.2	26.0	21.0	68.3	0.0	0.0	0.0	5.1
5	16.0	27.9	21.1	69.0	1.1	0.0	1.1	6.2
6	15.4	27.4	20.1	77.7	19.7	41.5	61.2	4.8
7	15.2	25.2	19.8	77.7	.1	.5	.6	4.6
8	17.0	27.9	21.6	71.3	0.0	0.0	0.0	6.8
9	16.9	25.1	20.3	73.7	0.0	0.0	0.0	3.5
10	14.2	28.2	21.8	64.3	0.0	0.0	0.0	8.2
11	16.0	26.8	21.0	71.7	.1	0.0	.1	6.3
12	15.8	25.8	20.2	76.3	1.8	0.0	1.8	3.7
13	16.6	25.2	19.4	77.7	30.8	1.7	32.5	3.3
14	16.2	25.8	20.4	71.7	0.0	14.6	14.6	5.6
15	14.8	28.0	21.6	56.7	0.0	0.0	0.0	5.5
16	15.4	27.8	22.2	72.0	0.0	.1	.1	7.7
17	16.2	26.8	20.9	70.3	0.0	0.0	0.0	4.4
18	15.8	27.4	21.8	67.0	.3	0.0	.3	6.4
19	15.6	27.2	20.7	66.7	0.0	0.0	0.0	6.4
20	15.2	28.4	20.0	73.3	1.8	1.2	3.0	6.2
21	15.5	21.2	17.0	91.3	15.7	0.0	15.7	0.0
22	13.0	25.9	20.3	67.3	0.0	0.0	0.0	6.9
23	14.2	25.0	20.0	70.3	7.0	0.0	7.0	4.4
24	15.0	25.8	20.8	73.7	0.0	0.0	0.0	4.3
25	16.5	21.0	18.0	92.7	11.2	4.2	15.4	0.0
26	16.0	26.5	19.5	74.7	1.3	.1	1.4	4.2
27	17.0	24.8	20.2	77.0	.1	0.0	.1	1.9
28	15.6	25.4	19.4	79.3	.4	2.3	2.7	1.4
29	16.0	27.6	21.8	68.0	0.0	0.0	0.0	8.6
30	16.2	28.0	21.4	74.3	0.0	0.0	0.0	5.7
31	14.8	28.6	22.8	62.0	0.0	0.0	0.0	7.5
Total :					91.4	66.2	157.6	156.2
Promedio :	15.6	26.4	20.6	72.5				

Estación : MARACAY
Año : 1999

Dpto. : QUINDIO
Mpio. : QUIMBAYA

Latitud : 4 ° 36 'N
Longitud : 75 ° 44 'W
Altitud : 1450 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.6	27.0	20.3	77.7	9.0	13.8	22.8	3.6
2	16.2	25.4	20.2	75.7	0.0	0.0	0.0	2.5
3	16.6	26.2	20.2	73.7	.4	0.0	.4	2.2
4	16.2	26.0	19.8	78.7	38.0	.6	38.6	2.2
5	15.4	22.6	18.6	93.0	.2	0.0	.2	.2
6	15.7	25.6	20.8	70.3	3.4	0.0	3.4	6.2
7	15.8	26.0	20.5	71.7	10.2	5.6	15.8	4.7
8	16.4	25.6	19.4	81.7	.2	6.7	6.9	2.7
9	16.0	24.8	19.4	80.7	5.3	38.9	44.2	2.3
10	15.8	22.9	18.9	85.0	.9	0.0	.9	.3
11	16.0	23.8	17.3	93.0	31.5	25.7	57.2	3.4
12	15.5	22.6	18.2	84.3	1.0	0.0	1.0	1.0
13	15.0	24.4	18.6	82.0	8.4	36.3	44.7	3.3
14	14.7	20.1	17.1	87.3	.1	0.0	.1	0.0
15	15.2	25.8	20.4	72.0	0.0	0.0	0.0	4.2
16	16.0	26.6	20.3	72.3	0.0	9.9	9.9	4.1
17	16.6	24.8	19.2	82.0	12.9	0.0	12.9	2.1
18	15.2	25.8	20.1	73.7	0.0	0.0	0.0	5.2
19	16.0	26.9	21.8	69.7	.9	3.1	4.0	5.8
20	16.4	26.3	19.6	76.7	4.2	0.0	4.2	5.5
21	16.2	24.8	20.0	77.0	1.1	16.5	17.6	2.5
22	16.2	24.8	19.8	76.0	.9	1.3	2.2	2.0
23	15.6	23.8	19.4	77.7	0.0	12.4	12.4	1.4
24	15.4	24.2	18.2	87.0	19.1	47.1	66.2	3.0
25	15.8	24.8	18.0	83.0	9.2	12.7	21.9	.8
26	15.4	24.4	18.7	80.0	.8	24.9	25.7	3.2
27	15.0	21.6	17.9	84.0	.6	16.8	17.4	.1
28	15.1	23.4	17.0	89.7	30.4	20.6	51.0	1.0
29	14.6	22.8	18.2	84.0	0.0	.1	.1	.8
30	15.6	25.6	19.4	74.0	0.0	21.0	21.0	3.7
31								
Total :					188.7	314.0	502.7	80.0
Promedio :	15.8	24.6	19.2	79.8				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.6	21.6	17.9	90.0	7.5	0.0	7.5	1.0
2	15.0	25.4	20.2	69.0	0.0	2.4	2.4	5.0
3	16.0	27.8	19.7	75.0	26.9	5.2	32.1	5.6
4	15.8	25.0	19.2	79.0	0.0	0.0	0.0	2.9
5	15.2	25.6	18.2	73.0	22.2	.1	22.3	4.1
6	14.8	22.5	17.2	83.3	12.2	0.0	12.2	1.2
7	13.6	24.0	18.0	72.7	.2	1.0	1.2	3.7
8	14.0	26.6	19.5	77.7	0.0	.2	.2	5.8
9	16.6	25.0	19.6	77.3	7.5	0.0	7.5	3.3
10	15.0	24.8	19.2	78.0	3.2	.9	4.1	3.3
11	16.0	25.0	20.0	77.3	0.0	5.4	5.4	2.4
12	15.0	26.0	18.6	82.7	8.5	.1	8.6	5.0
13	14.2	25.2	20.8	70.7	0.0	0.0	0.0	8.3
14	16.4	25.3	20.8	74.3	0.0	0.0	0.0	4.3
15	16.0	24.8	20.2	74.3	0.0	4.9	4.9	3.1
16	15.8	24.2	19.2	80.3	4.2	0.0	4.2	1.7
17	15.6	22.4	18.2	93.3	.5	0.0	.5	.7
18	14.0	25.8	19.0	78.0	24.6	0.0	24.6	4.7
19	15.2	26.6	20.6	74.3	0.0	0.0	0.0	5.9
20	16.4	24.5	18.8	81.0	0.0	8.2	8.2	2.9
21	15.0	24.4	18.7	82.3	3.0	1.0	4.0	1.2
22	16.0	23.8	19.6	83.7	0.0	4.3	4.3	2.3
23	16.4	24.2	19.5	80.3	0.0	.5	.5	.8
24	16.0	27.4	19.2	76.0	1.3	.4	1.7	3.2
25	16.6	24.0	19.1	84.0	11.2	4.9	16.1	1.8
26	14.8	24.8	19.2	78.0	.3	19.1	19.4	4.3
27	15.8	25.3	19.0	81.7	1.9	36.5	38.4	2.7
28	15.6	24.0	18.2	80.0	19.8	.3	20.1	2.1
29	13.7	24.6	18.6	86.0	.3	32.4	32.7	3.9
30	15.3	23.6	18.0	86.0	.5	0.0	.5	1.3
31	15.4	26.9	20.2	73.0	0.0	.9	.9	5.2
Total :					155.8	128.7	284.5	103.7
Promedio :	15.4	24.9	19.2	79.1				

Estación : MARACAY
Año : 1999

Dpto. : QUINDIO
Mpio. : QUIMBAYA

Latitud : 4 ° 36 'N
Longitud : 75 ° 44 'W
Altitud : 1450 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.1	25.4	20.4	74.7	0.0	.1	.1	2.7
2	17.6	26.4	21.1	78.3	1.4	4.0	5.4	3.6
3	17.4	26.6	19.8	85.0	25.2	3.7	28.9	2.6
4	15.6	25.0	19.8	87.0	27.5	8.8	36.3	2.7
5	15.4	25.2	21.1	77.3	8.4	0.0	8.4	2.2
6	16.8	25.4	19.8	85.3	1.7	.3	2.0	2.5
7	16.6	25.6	19.2	89.3	17.7	16.2	33.9	1.7
8	16.0	24.6	19.6	84.0	2.2	.1	2.3	1.5
9	15.8	27.4	21.6	79.0	0.0	0.0	0.0	4.9
10	18.0	27.6	22.0	75.7	5.0	2.0	7.0	4.9
11	17.0	20.8	18.4	90.0	7.1	0.0	7.1	0.0
12	16.6	25.6	20.4	78.3	2.7	1.0	3.7	3.4
13	17.6	24.6	20.4	82.7	2.9	0.0	2.9	2.3
14	15.0	27.4	20.6	82.0	0.0	2.7	2.7	7.0
15	15.0	22.6	19.0	86.7	1.0	0.0	1.0	.8
16	14.8	26.4	20.7	77.0	0.0	5.9	5.9	9.1
17	15.6	26.6	20.0	77.0	.2	52.5	52.7	6.9
18	16.2	22.4	19.2	86.7	1.9	.5	2.4	1.5
19	16.8	23.4	19.8	83.7	0.0	7.7	7.7	.7
20	16.8	23.6	19.2	84.0	2.5	49.5	52.0	1.1
21	15.8	24.0	19.0	86.3	1.1	3.1	4.2	3.0
22	15.6	21.4	18.5	89.0	3.9	0.0	3.9	0.0
23	15.8	25.6	18.8	83.3	22.4	26.0	48.4	4.9
24	15.6	23.4	18.3	85.3	17.1	2.3	19.4	2.6
25	16.0	25.2	19.0	81.3	0.0	2.0	2.0	4.7
26	15.4	25.8	20.2	79.0	0.0	19.0	19.0	6.1
27	15.0	25.2	20.8	78.3	0.0	0.0	0.0	2.9
28	15.0	26.2	20.1	85.7	4.3	.2	4.5	3.8
29	13.6	25.8	19.2	79.3	1.6	0.0	1.6	3.9
30	17.2	24.6	19.5	76.7	5.6	.8	6.4	2.1
31								
Total					163.4	208.4	371.8	96.1
Promedio	16.1	25.0	19.9	82.3				

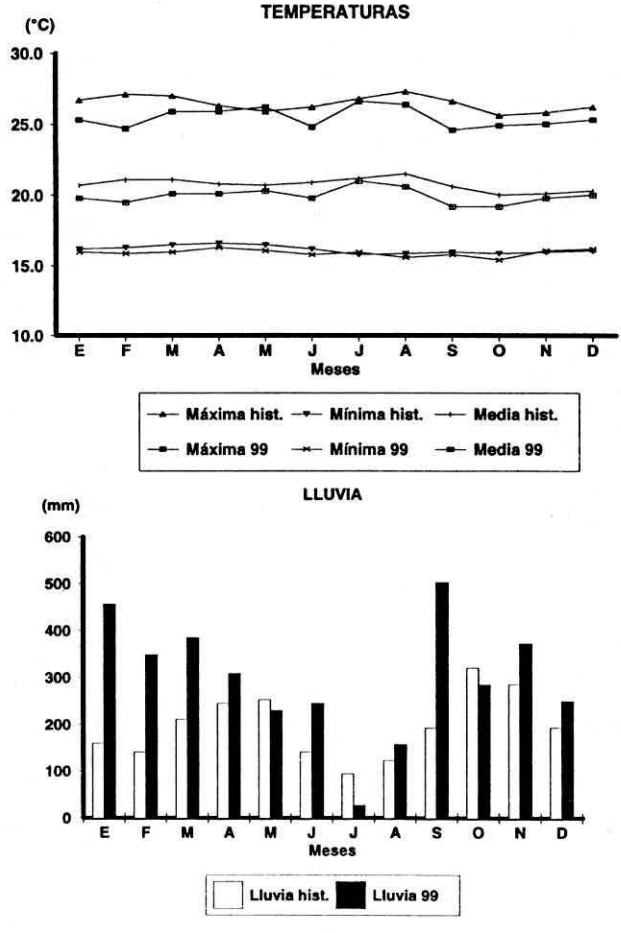
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.8	22.0	17.7	88.0	5.3	9.6	14.9	.2
2	16.0	24.6	20.2	78.3	0.0	5.9	5.9	3.5
3	16.6	23.6	20.1	79.0	0.0	0.0	0.0	1.9
4	16.4	24.6	20.4	77.0	1.4	4.4	5.8	1.5
5	16.8	23.9	18.6	89.7	3.1	0.0	3.1	2.2
6	17.0	24.6	20.0	78.0	0.0	.1	.1	1.8
7	16.7	26.4	20.2	74.7	1.2	0.0	1.2	4.8
8	16.4	25.8	21.6	73.7	0.0	0.0	0.0	4.5
9	16.8	28.0	21.2	73.3	.6	0.0	.6	4.5
10	16.8	23.6	20.0	84.3	1.5	0.0	1.5	1.2
11	15.8	24.6	19.3	88.0	3.0	1.0	4.0	4.2
12	17.2	24.0	19.3	83.7	20.5	7.8	28.3	2.6
13	16.0	25.2	19.9	79.0	1.6	0.0	1.6	1.9
14	16.2	24.0	19.8	84.0	11.2	37.7	48.9	2.3
15	16.0	22.8	19.4	80.0	.5	5.3	5.8	1.7
16	17.0	23.2	19.6	82.0	0.0	8.4	8.4	1.3
17	16.7	24.0	19.6	81.7	0.0	22.4	22.4	1.8
18	16.8	25.6	19.4	81.0	6.6	1.0	7.6	4.5
19	17.0	26.2	19.8	80.3	7.3	0.0	7.3	5.1
20	17.4	26.0	20.7	78.3	3.2	1.2	4.4	3.3
21	17.2	26.1	20.5	77.3	3.5	2.4	5.9	4.6
22	17.6	24.0	20.0	80.7	7.7	9.9	17.6	1.7
23	17.0	25.9	20.1	74.7	.5	0.0	.5	3.6
24	15.8	25.8	18.8	78.7	27.8	25.8	53.6	3.9
25	15.0	25.7	20.0	75.0	0.0	0.0	0.0	3.3
26	14.0	26.9	20.7	72.3	0.0	0.0	0.0	7.4
27	15.2	27.3	20.9	69.0	0.0	0.0	0.0	8.1
28	14.8	26.6	20.2	67.7	0.0	0.0	0.0	8.2
29	15.0	27.0	20.6	68.0	0.0	0.0	0.0	7.2
30	14.8	27.2	20.8	63.7	0.0	0.0	0.0	6.5
31	15.8	28.3	21.1	70.7	0.0	0.0	0.0	6.0
Total					106.5	142.9	249.4	115.3
Promedio	16.2	25.3	20.0	77.8				

Estación : MARACAY
Año : 1999

Dpto. : QUINDIO
Mpio. : QUIMBAYA

Latitud : 4 ° 36 'N
Longitud : 75 ° 44 'W
Altitud : 1450 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	16.0	25.3	19.8	27.5	14.0	79.9	455.6	22	104.8
Febrero	15.9	24.7	19.5	28.2	14.8	83.8	347.9	25	75.2
Marzo	16.0	25.9	20.1	28.0	14.8	80.7	384.3	24	106.7
Abril	16.3	25.9	20.1	29.2	15.0	81.6	308.9	21	110.9
Mayo	16.1	26.2	20.3	28.8	13.8	82.1	229.8	23	134.6
Junio	15.8	24.8	19.8	27.2	13.6	83.9	245.1	28	85.5
Julio	16.0	26.6	21.0	29.8	14.0	74.5	26.5	15	166.6
Agosto	15.6	26.4	20.6	28.6	13.0	72.5	157.6	16	156.2
Septiembre	15.8	24.6	19.2	27.0	14.6	79.8	502.7	27	80.0
Octubre	15.4	24.9	19.2	27.8	13.6	79.1	284.5	27	103.7
Noviembre	16.1	25.0	19.8	27.6	13.6	82.3	371.8	28	96.1
Diciembre	16.2	25.3	20.0	28.3	14.0	77.8	249.4	22	115.3
Promedio :	15.9	25.5	20.0			79.8			
Absoluta :				29.8	13.0				
Total :							3564.1	278	1335.6



Estación : EL AGRADO
Año : 1999

Dpto. : QUINDIO
Mpio. : MONTENEGRO

Latitud : 4 ° 31 'N
Longitud : 75 ° 47 'W
Altitud : 1250 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	27.5	21.0	83.7	0.0	.2	.2	5.5
2	17.0	26.0	20.2	93.3	2.5	6.8	9.3	3.0
3	15.5	28.0	19.8	83.3	3.4	4.2	7.6	4.8
4	17.5	28.5	19.7	84.0	1.9	4.6	6.5	4.0
5	17.0	26.0	19.8	82.7	1.4	0.0	1.4	2.0
6	16.5	28.0	20.4	83.3	0.0	2.3	2.3	3.7
7	17.0	27.0	20.8	79.7	0.0	0.0	0.0	3.5
8	17.0	25.5	19.9	85.3	.5	0.0	.5	.9
9	16.4	25.0	20.7	81.0	0.0	8.2	8.2	.5
10	17.0	28.5	18.8	85.3	20.2	26.3	46.5	4.3
11	15.5	26.5	20.4	81.7	0.0	0.0	0.0	1.7
12	16.0	25.0	20.0	85.0	.5	.5	1.0	1.0
13	15.5	27.5	21.1	79.0	0.0	0.0	0.0	4.6
14	16.0	24.5	20.6	76.3	0.0	.1	.1	2.8
15	16.1	27.0	20.2	74.7	0.0	0.0	0.0	7.0
16	15.3	26.0	19.7	77.7	0.0	0.0	0.0	2.6
17	15.5	28.5	20.9	74.0	0.0	0.0	0.0	5.3
18	16.0	29.0	19.8	81.7	7.8	1.6	9.4	6.8
19	15.5	27.5	19.6	82.0	.6	.3	.9	2.7
20	17.0	26.0	20.5	82.0	0.0	0.0	0.0	1.6
21	15.1	29.0	19.4	82.7	19.6	9.2	28.8	5.1
22	16.2	25.0	20.0	83.7	.2	.2	.4	1.5
23	15.4	28.5	20.2	82.7	2.2	0.0	2.2	5.1
24	16.0	24.0	20.5	84.0	0.0	2.4	2.4	.4
25	18.0	26.5	20.8	82.3	0.0	14.6	14.6	.8
26	17.0	28.5	21.6	76.7	0.0	.6	.6	4.6
27	16.2	27.5	19.0	84.0	4.1	0.0	4.1	2.6
28	16.0	23.5	19.6	85.7	0.0	0.0	0.0	.3
29	15.7	29.0	21.7	77.0	0.0	0.0	0.0	5.4
30	16.0	29.5	22.0	73.7	0.0	0.0	0.0	6.8
31	17.0	28.5	20.0	83.3	12.9	0.0	12.9	4.7
Total :					77.8	82.1	159.9	105.6
Promedio :	16.3	27.0	20.3	81.7				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	27.5	20.7	79.3	6.3	6.4	12.7	2.9
2	17.0	27.1	20.8	81.0	1.4	0.0	1.4	4.0
3	17.5	27.5	20.2	81.0	32.8	.6	33.4	4.1
4	17.0	25.0	20.0	90.0	7.5	0.0	7.5	1.6
5	16.3	27.0	20.2	79.3	1.6	13.8	15.4	1.8
6	16.8	27.5	20.8	78.0	0.0	1.8	1.8	2.7
7	17.0	28.0	21.3	76.0	0.0	0.0	0.0	3.0
8	16.0	29.5	22.6	73.0	0.0	0.0	0.0	8.3
9	16.1	30.0	23.1	70.3	0.0	0.0	0.0	8.5
10	17.5	23.0	20.6	88.0	1.1	0.0	1.1	.6
11	15.0	29.0	20.0	80.3	8.6	0.0	8.6	5.6
12	17.0	25.0	20.4	86.7	14.5	14.3	28.8	1.6
13	16.0	24.0	20.0	88.3	0.0	0.0	0.0	1.3
14	16.1	26.0	20.3	81.3	.2	0.0	.2	3.2
15	16.2	22.8	18.5	89.0	22.8	2.5	25.3	.1
16	16.0	25.0	18.6	82.7	27.3	.7	28.0	1.5
17	15.3	25.1	19.0	83.7	1.1	12.4	13.5	2.2
18	15.2	26.0	19.4	80.7	0.0	1.1	1.1	3.8
19	16.0	27.5	19.1	82.3	1.2	3.3	4.5	3.7
20	15.6	24.3	18.6	84.3	1.6	0.0	1.6	1.1
21	15.0	26.5	20.1	79.7	0.0	15.8	15.8	3.6
22	16.0	27.0	19.9	81.3	.4	3.7	4.1	2.2
23	17.0	25.5	19.9	82.3	3.6	5.6	9.2	.9
24	15.0	26.0	19.7	82.7	4.5	36.7	41.2	1.0
25	16.0	26.1	20.6	83.3	.5	0.0	.5	2.6
26	15.8	28.0	20.6	81.0	0.0	48.3	48.3	3.0
27	15.0	25.5	19.8	83.0	.1	4.4	4.5	1.7
28	16.0	25.2	18.9	86.7	21.9	16.0	37.9	.4
29								
30								
31								
Total :					159.0	187.4	346.4	77.0
Promedio :	16.1	26.3	20.1	82.0				

Estación : EL AGRADO
Año : 1999

Dpto. : QUINDIO
Mpio. : MONTENEGRO

Latitud : 4 ° 31 'N
Longitud : 75 ° 47 'W
Altitud : 1250 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.5	26.0	19.6	79.7	0.0	0.0	0.0	1.0
2	16.0	26.1	18.8	83.0	0.0	0.0	0.0	2.9
3	16.2	29.5	21.1	78.3	0.0	4.1	4.1	6.1
4	15.5	26.5	19.5	83.3	.3	0.0	.3	2.5
5	15.0	29.1	21.8	80.0	2.0	0.0	2.0	7.2
6	16.2	29.0	21.2	81.7	.7	0.0	.7	7.0
7	16.0	28.0	19.3	83.0	22.1	0.0	22.1	3.8
8	15.0	28.5	21.8	70.0	0.0	13.8	13.8	5.4
9	17.5	26.5	20.0	80.3	37.4	.4	37.8	1.4
10	14.0	29.0	20.8	79.7	0.0	0.0	0.0	5.0
11	15.0	27.5	21.1	76.7	0.0	0.0	0.0	4.0
12	14.8	30.0	22.1	76.3	0.0	0.0	0.0	5.6
13	16.0	27.5	20.8	79.0	1.4	0.0	1.4	.2
14	15.6	28.0	21.6	76.7	0.0	11.5	11.5	4.3
15	17.0	27.0	20.0	83.0	7.2	6.5	13.7	2.2
16	16.5	25.0	20.2	82.7	0.0	0.0	0.0	1.1
17	16.0	26.0	21.4	77.0	0.0	66.4	66.4	1.6
18	15.5	27.0	20.9	79.7	6.4	0.0	6.4	1.3
19	17.0	27.5	19.9	81.3	18.3	31.7	50.0	1.9
20	15.8	27.0	20.9	78.3	0.0	0.0	0.0	3.4
21	16.0	27.5	21.3	80.0	0.0	0.0	0.0	1.0
22	17.0	27.0	21.2	79.3	0.0	19.3	19.3	2.5
23	16.0	27.5	21.2	79.7	0.0	0.0	0.0	2.6
24	17.0	28.5	20.6	82.0	.5	0.0	.5	2.7
25	16.3	29.0	22.4	76.7	0.0	0.0	0.0	4.9
26	16.5	28.5	20.8	75.0	0.0	0.0	0.0	0.0
27	16.0	27.0	21.5	73.3	0.0	0.0	0.0	.1
28	16.8	25.0	20.6	80.3	34.8	4.5	39.3	.8
29	17.0	26.0	21.0	80.0	2.3	0.0	2.3	3.7
30	16.0	27.5	20.2	84.3	3.8	12.0	15.8	2.4
31	16.5	28.0	21.0	78.7	.2	0.0	.2	3.9
Total :					137.4	170.2	307.6	92.5
Promedio :	16.0	27.5	20.8	79.3				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.2	28.0	20.0	81.7	13.8	0.0	13.8	1.1
2	16.0	28.5	22.3	73.0	0.0	13.4	13.4	4.0
3	17.0	23.5	18.3	91.0	0.0	0.0	0.0	.3
4	15.0	26.5	21.9	73.0	0.0	12.5	12.5	.2
5	15.0	28.5	21.0	78.0	0.0	0.0	0.0	5.5
6	16.5	29.0	20.9	80.7	0.0	32.0	32.0	7.0
7	17.0	29.5	20.4	82.0	1.8	.4	2.2	4.9
8	17.5	25.0	20.4	84.0	0.0	5.5	5.5	0.0
9	17.0	25.5	20.0	85.0	0.0	0.0	0.0	.2
10	16.7	25.7	19.4	86.0	35.1	1.1	36.2	.2
11	16.0	26.5	21.0	79.3	0.0	.9	.9	5.0
12	17.8	27.5	20.3	83.3	7.8	3.1	10.9	2.3
13	16.0	27.2	21.7	81.3	0.0	0.0	0.0	4.6
14	17.5	27.1	21.5	82.3	0.0	13.3	13.3	1.6
15	17.0	27.5	20.5	82.3	.4	2.1	2.5	2.8
16	16.0	29.0	22.4	79.3	0.0	0.0	0.0	6.6
17	14.5	29.5	23.5	67.3	0.0	0.0	0.0	9.3
18	14.1	27.3	20.4	78.7	0.0	0.0	0.0	3.9
19	15.0	27.5	22.0	81.0	.2	0.0	.2	4.1
20	17.0	28.5	22.0	79.0	0.0	0.0	0.0	5.5
21	16.0	29.5	22.9	78.7	0.0	0.0	0.0	3.3
22	16.4	30.5	24.3	73.3	0.0	30.8	30.8	9.0
23	17.0	25.5	19.5	88.7	3.1	.2	3.3	.5
24	17.1	25.0	19.3	93.3	28.7	13.3	42.0	.8
25	16.0	27.0	20.0	81.7	.2	3.4	3.6	3.8
26	17.0	25.0	20.0	86.0	.1	.8	.9	1.5
27	16.5	23.5	19.0	85.7	0.0	0.0	0.0	.5
28	16.0	26.5	19.4	88.0	1.0	0.0	1.0	4.0
29	15.5	29.0	18.7	82.7	57.1	13.8	70.9	6.1
30	15.2	21.2	17.8	91.7	1.3	0.0	1.3	0.0
31								
Total :					150.6	146.6	297.2	98.6
Promedio :	16.2	27.0	20.7	81.9				

Estación : EL AGRADO
Año : 1999

Dpto. : QUINDIO
Mpio. : MONTENEGRO

Latitud : 4 ° 31 'N
Longitud : 75 ° 47 'W
Altitud : 1250 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.0	28.0	20.2	78.7	0.0	1.0	1.0	6.8
2	16.5	25.5	19.6	84.0	17.2	0.0	17.2	.4
3	15.8	27.5	22.2	75.0	0.0	1.9	1.9	7.0
4	17.5	23.4	20.2	85.3	0.0	0.0	0.0	2.5
5	16.0	28.5	20.2	82.3	.2	0.0	.2	6.7
6	16.5	27.0	21.9	80.7	.8	0.0	.8	0.0
7	16.0	26.0	21.7	80.7	.5	9.2	9.7	4.0
8	17.0	26.5	20.5	80.0	2.7	9.2	11.9	3.5
9	16.0	26.0	18.3	88.3	19.8	12.3	32.1	1.2
10	15.0	27.5	19.8	82.0	0.0	0.0	0.0	5.7
11	16.0	24.2	19.0	82.7	0.0	.5	.5	2.6
12	15.7	26.5	19.3	82.3	20.3	42.5	62.8	4.4
13	15.5	23.4	18.6	93.3	.5	0.0	.5	1.9
14	16.0	26.5	20.4	80.7	.2	0.0	.2	4.1
15	16.9	27.5	21.6	77.7	0.0	0.0	0.0	4.5
16	17.0	28.5	22.2	78.0	0.0	7.9	7.9	5.3
17	16.7	29.5	23.0	75.0	0.0	0.0	0.0	6.6
18	17.5	25.5	21.4	84.0	0.0	0.0	0.0	.3
19	17.0	29.5	19.9	82.0	30.4	0.0	30.4	6.0
20	16.0	27.1	21.0	80.0	28.7	0.0	28.7	4.0
21	15.7	28.0	21.5	81.3	.3	.7	1.0	4.7
22	18.0	28.0	21.8	81.7	0.0	0.0	0.0	4.1
23	17.5	29.5	23.7	73.0	0.0	0.0	0.0	5.7
24	17.0	30.0	23.5	72.3	0.0	0.0	0.0	6.4
25	15.5	27.5	21.6	78.7	0.0	0.0	0.0	4.6
26	16.7	29.4	22.8	71.3	0.0	0.0	0.0	8.4
27	17.0	29.5	23.6	74.7	0.0	0.0	0.0	5.2
28	16.6	27.0	21.8	83.7	0.0	0.0	0.0	1.1
29	17.0	28.0	20.4	82.3	16.2	0.0	16.2	1.0
30	16.8	28.5	22.2	82.7	7.6	.9	8.5	4.2
31	17.5	29.5	20.7	81.3	2.9	.7	3.6	7.9
Total :					148.3	86.8	235.1	130.8
Promedio :	16.4	27.4	21.1	80.5				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	29.5	21.6	81.0	6.7	5.0	11.7	5.2
2	17.5	26.5	22.2	81.3	2.2	0.0	2.2	3.5
3	15.5	29.0	22.0	76.3	.5	3.0	3.5	5.1
4	17.5	25.5	19.9	86.7	1.3	.2	1.5	.3
5	16.1	26.0	20.5	80.7	.8	0.0	.8	1.7
6	16.0	25.5	20.8	84.0	0.0	0.0	0.0	1.2
7	17.0	27.5	19.8	82.3	28.2	28.1	56.3	2.8
8	16.5	27.0	20.1	83.3	1.6	.5	2.1	3.7
9	16.2	28.0	20.5	82.3	.4	10.4	10.8	6.6
10	14.1	28.5	21.5	79.3	0.0	25.0	25.0	8.9
11	17.0	27.0	21.0	83.3	11.5	0.0	11.5	3.9
12	15.0	28.0	20.8	76.3	0.0	8.8	8.8	5.8
13	17.0	22.5	18.3	97.0	12.8	2.5	15.3	.2
14	16.5	26.1	20.3	85.0	0.0	0.0	0.0	1.7
15	15.8	25.0	19.0	85.7	.3	.3	.6	1.4
16	16.5	25.0	19.3	95.7	4.0	2.5	6.5	1.8
17	14.6	28.0	22.6	73.3	0.0	11.7	11.7	8.6
18	16.0	21.5	19.2	92.7	2.0	0.0	2.0	0.0
19	15.4	27.5	22.0	75.7	0.0	0.0	0.0	6.0
20	16.0	28.0	20.4	84.0	3.0	0.0	3.0	1.7
21	16.5	23.0	19.5	90.7	3.3	0.0	3.3	.1
22	16.8	26.2	20.7	86.7	22.0	0.0	22.0	4.4
23	16.0	25.0	20.2	86.3	.2	0.0	.2	1.3
24	15.7	28.0	20.4	82.3	0.0	16.5	16.5	2.9
25	16.8	26.0	21.2	78.3	0.0	8.7	8.7	2.2
26	17.0	27.0	20.1	84.7	2.7	11.9	14.6	3.1
27	16.0	25.8	20.0	82.0	1.1	5.6	6.7	2.6
28	16.9	25.5	19.4	81.7	1.2	0.0	1.2	1.0
29	13.3	25.7	20.3	79.3	0.0	.4	.4	3.3
30	15.5	28.7	20.5	81.7	0.0	.6	.6	6.1
31								
Total :					105.8	141.7	247.5	97.1
Promedio :	16.2	26.4	20.5	83.3				

Estación : EL AGRADO
Año : 1999

Dpto. : QUINDIO
Mpio. : MONTENEGRO

Latitud : 4 ° 31 'N
Longitud : 75 ° 47 'W
Altitud : 1250 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.5	24.5	19.9	85.7	.2	0.0	.2	.8
2	16.0	26.0	19.6	82.7	0.0	.2	.2	2.5
3	16.2	24.7	20.2	84.7	.8	3.1	3.9	6.3
4	15.0	26.0	20.9	79.3	.5	0.0	.5	4.7
5	14.5	27.5	22.9	71.3	0.0	0.0	0.0	7.1
6	15.5	28.0	19.3	81.7	.1	0.0	.1	5.1
7	15.7	26.5	19.8	82.7	15.1	.4	15.5	3.4
8	15.3	26.5	21.0	81.0	0.0	0.0	0.0	3.7
9	15.5	28.5	21.8	73.7	0.0	0.0	0.0	7.2
10	13.0	28.5	21.3	74.3	0.0	0.0	0.0	9.7
11	14.5	27.0	20.3	82.7	0.0	0.0	0.0	4.3
12	15.0	28.0	21.0	79.7	0.0	7.4	7.4	6.2
13	14.5	29.5	22.7	74.7	0.0	0.0	0.0	8.4
14	16.7	29.8	22.4	78.0	0.0	0.0	0.0	9.6
15	15.0	29.5	21.6	75.7	.4	0.0	.4	9.2
16	16.0	29.5	20.7	75.3	2.5	3.4	5.9	6.6
17	14.8	29.5	22.0	71.7	0.0	0.0	0.0	6.2
18	16.7	30.0	23.4	65.7	0.0	0.0	0.0	8.3
19	16.5	27.8	21.5	74.0	0.0	16.4	16.4	5.0
20	16.0	27.7	22.1	71.7	.7	.2	.9	7.5
21	17.6	29.4	22.0	71.3	0.0	0.0	0.0	6.8
22	15.5	27.0	22.6	73.3	0.0	0.0	0.0	3.3
23	16.8	26.8	20.6	79.3	27.9	0.0	27.9	3.3
24	16.5	27.0	22.3	69.7	0.0	0.0	0.0	5.0
25	16.0	30.5	23.0	69.7	0.0	0.0	0.0	8.4
26	15.9	28.3	22.0	71.7	0.0	2.5	2.5	4.3
27	17.5	28.5	22.8	69.3	0.0	5.2	5.2	7.6
28	17.6	29.0	23.2	66.7	0.0	0.0	0.0	1.3
29	17.0	27.5	22.7	69.0	0.0	0.0	0.0	3.1
30	14.8	29.0	23.3	67.3	0.0	0.0	0.0	7.7
31	17.2	29.0	22.1	75.0	0.0	0.0	0.0	6.1
Total :					48.2	38.8	87.0	178.7
Promedio :	15.8	28.0	21.6	75.1				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	30.0	21.0	76.0	2.0	0.0	2.0	7.4
2	15.0	29.0	21.5	70.0	0.0	0.0	0.0	7.2
3	16.0	26.0	20.4	77.7	0.0	0.0	0.0	2.8
4	15.0	28.5	20.8	76.3	7.6	19.2	26.8	5.6
5	15.5	29.0	22.6	69.0	0.0	0.0	0.0	7.0
6	16.8	29.1	22.8	70.0	1.2	47.8	49.0	7.0
7	14.0	27.0	21.8	69.3	0.0	.5	.5	8.1
8	17.0	29.0	23.8	64.7	0.0	1.2	1.2	6.1
9	18.0	28.0	22.0	70.3	0.0	0.0	0.0	3.9
10	15.0	29.5	22.9	67.0	0.0	1.7	1.7	7.9
11	15.5	28.5	22.2	67.0	0.0	0.0	0.0	5.0
12	16.0	28.0	21.1	71.0	0.0	0.0	0.0	5.1
13	15.5	27.5	20.0	78.0	1.7	1.4	3.1	4.1
14	16.5	26.5	20.4	77.0	7.0	12.3	19.3	6.4
15	15.5	29.0	21.1	72.7	0.0	0.0	0.0	2.7
16	15.0	28.5	20.8	73.7	0.0	0.0	0.0	6.6
17	16.0	28.0	21.3	75.0	0.0	0.0	0.0	5.6
18	14.8	28.5	21.6	70.7	0.0	0.0	0.0	7.3
19	15.0	28.0	20.9	75.0	.2	0.0	.2	6.1
20	15.0	29.0	21.7	71.3	.2	7.5	7.7	7.8
21	16.2	22.5	16.9	93.3	18.0	0.0	18.0	.3
22	13.6	26.0	20.8	71.7	0.0	0.0	0.0	4.7
23	13.0	26.0	19.4	77.0	3.0	0.0	3.0	3.9
24	14.0	26.5	20.8	78.0	0.0	0.0	0.0	4.1
25	16.5	22.5	18.9	88.7	3.5	5.0	8.5	0.0
26	16.0	28.0	20.8	69.0	0.0	0.0	0.0	5.4
27	17.0	24.5	20.6	75.3	0.0	0.0	0.0	.6
28	15.0	26.5	20.8	74.3	0.0	4.0	4.0	3.1
29	16.5	29.0	22.3	69.3	0.0	0.0	0.0	7.7
30	16.0	30.0	21.9	75.3	0.0	0.0	0.0	5.1
31	16.0	29.5	22.8	66.7	0.0	0.0	0.0	5.7
Total :					44.4	100.6	145.0	160.3
Promedio :	15.6	27.7	21.2	73.6				

Estación : EL AGRADO
Año : 1999

Dpto. : QUINDIO
Mpio. : MONTENEGRO

Latitud : 4 ° 31 'N
Longitud : 75 ° 47 'W
Altitud : 1250 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.6	28.0	19.8	78.3	35.8	7.1	42.9	4.3
2	16.0	27.8	20.0	79.7	0.0	0.0	0.0	4.0
3	16.5	26.5	20.4	80.3	1.0	0.0	1.0	4.5
4	15.6	27.0	19.6	80.7	0.0	.2	.2	3.9
5	16.0	23.0	19.1	88.0	0.0	0.0	0.0	.8
6	15.9	27.0	21.5	74.0	0.0	0.0	0.0	5.6
7	15.0	28.5	20.4	77.0	23.4	5.2	28.6	6.2
8	15.1	28.0	20.1	77.7	.5	.2	.7	4.5
9	15.0	26.0	20.4	79.0	19.5	21.5	41.0	2.2
10	16.0	25.6	19.9	82.3	.9	0.0	.9	1.0
11	16.1	25.4	19.3	80.7	12.9	17.0	29.9	3.2
12	15.5	23.0	18.3	86.0	6.8	0.0	6.8	.3
13	15.0	27.0	19.6	75.0	26.9	22.8	49.7	4.0
14	15.1	20.0	17.5	88.7	.1	0.0	.1	0.0
15	14.5	26.5	20.5	69.3	0.0	0.0	0.0	4.2
16	15.0	28.5	20.2	73.0	0.0	3.9	3.9	5.0
17	16.6	26.2	19.8	81.3	7.4	0.0	7.4	2.0
18	15.0	26.6	21.5	74.3	0.0	0.0	0.0	4.6
19	16.0	28.0	22.6	69.3	0.0	7.5	7.5	5.6
20	16.1	27.0	19.7	75.3	35.2	8.3	43.5	6.3
21	15.0	26.0	20.2	75.0	0.0	5.8	5.8	2.2
22	15.8	24.8	20.7	71.3	.1	0.0	.1	2.1
23	15.0	25.2	19.0	77.7	2.7	1.2	3.9	2.1
24	15.1	24.0	18.8	87.7	12.1	34.5	46.6	3.0
25	14.8	24.5	18.3	79.3	17.5	17.6	35.1	1.6
26	16.0	28.0	19.6	77.7	.1	21.5	21.6	3.0
27	16.5	23.0	18.8	86.0	0.0	17.0	17.0	.4
28	15.2	24.0	19.0	85.7	5.3	8.9	14.2	1.4
29	15.0	24.0	19.5	80.7	.1	0.0	.1	.5
30	15.5	27.5	20.8	75.7	0.0	4.1	4.1	3.6
31								
Total :					208.3	204.3	412.6	92.1
Promedio :	15.5	25.9	19.8	78.9				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	22.0	19.1	83.7	.3	0.0	.3	1.1
2	14.0	26.5	20.5	77.3	0.0	.5	.5	3.9
3	15.5	27.6	19.9	78.7	10.4	18.8	29.2	5.6
4	17.5	26.4	20.4	76.3	0.0	0.0	0.0	3.9
5	15.8	27.0	19.5	77.7	.3	1.8	2.1	3.0
6	15.2	23.5	17.9	85.0	3.9	.1	4.0	.8
7	15.0	26.5	18.4	79.3	.1	1.5	1.6	3.3
8	14.4	27.0	19.9	79.3	0.0	.3	.3	7.8
9	16.0	28.0	20.1	80.3	.1	.7	.8	3.9
10	15.0	26.7	19.8	79.7	0.0	3.9	3.9	3.7
11	16.3	26.4	20.7	76.7	0.0	0.0	0.0	3.4
12	16.0	26.5	19.7	82.3	4.1	0.0	4.1	4.0
13	15.8	25.7	20.8	75.0	0.0	0.0	0.0	5.4
14	16.4	26.5	21.4	76.3	0.0	0.0	0.0	5.6
15	16.0	27.0	20.9	72.7	.4	39.7	40.1	4.3
16	16.2	25.6	20.9	73.3	.2	0.0	.2	3.2
17	16.0	24.5	19.4	83.0	0.0	0.0	0.0	2.0
18	13.5	27.0	19.8	75.7	65.6	10.0	75.6	6.1
19	16.5	27.5	21.0	74.7	0.0	0.0	0.0	6.2
20	17.0	26.5	19.2	78.3	10.5	.5	11.0	3.7
21	15.0	26.0	18.9	82.3	16.6	0.0	16.6	2.2
22	16.0	24.5	19.2	83.7	0.0	24.8	24.8	2.9
23	16.2	24.8	19.4	79.7	12.1	0.0	12.1	1.6
24	16.4	27.7	21.3	70.0	0.0	14.0	14.0	3.9
25	17.0	26.2	20.0	80.3	8.9	.6	9.5	3.9
26	15.5	26.5	20.1	79.3	.3	41.6	41.9	4.5
27	16.2	26.0	19.7	79.3	13.0	18.0	31.0	5.3
28	16.0	24.4	18.6	83.0	7.0	0.0	7.0	2.5
29	14.1	25.0	19.3	82.3	1.4	38.3	39.7	4.7
30	15.6	23.3	18.7	82.7	0.0	0.0	0.0	2.5
31	16.0	27.1	20.0	76.7	0.0	.4	.4	5.1
Total :					155.2	215.5	370.7	120.0
Promedio :	15.7	26.0	19.8	78.9				

Estación : EL AGRADO
Año : 1999

Dpto. : QUINDIO
Mpio. : MONTENEGRO

Latitud : 4 ° 31 'N
Longitud : 75 ° 47 'W
Altitud : 1250 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.5	26.5	20.4	82.7	.2	.4	.6	2.5
2	17.0	27.0	20.2	79.7	.1	2.8	2.9	2.8
3	16.0	26.0	19.5	78.7	.3	17.7	18.0	2.8
4	16.2	25.5	20.4	80.0	5.5	13.2	18.7	3.3
5	16.5	26.0	20.6	80.7	1.6	1.4	3.0	2.8
6	16.9	26.1	20.0	80.3	.9	0.0	.9	3.5
7	16.0	25.0	19.8	83.7	.1	4.0	4.1	3.5
8	16.4	25.2	19.8	82.7	.7	0.0	.7	1.1
9	16.0	27.5	21.3	79.0	.8	.2	1.0	5.7
10	17.8	29.0	22.7	71.7	0.0	5.5	5.5	5.9
11	16.7	20.2	18.0	89.7	5.5	0.0	5.5	.8
12	16.0	26.0	19.2	77.3	28.3	.3	28.6	2.2
13	17.0	27.0	20.5	79.7	5.0	0.0	5.0	4.3
14	15.3	28.5	20.6	72.7	0.0	3.4	3.4	8.0
15	16.5	22.5	18.1	86.0	0.0	0.0	0.0	.4
16	14.0	27.0	20.2	77.3	0.0	1.1	1.1	8.3
17	15.0	28.0	20.3	78.0	4.1	29.6	33.7	7.2
18	16.2	23.8	20.1	85.0	.9	.1	1.0	1.4
19	17.0	26.0	20.3	84.3	7.0	0.0	7.0	.9
20	17.4	25.3	19.4	82.7	5.9	20.7	26.6	1.8
21	16.0	25.1	19.9	80.7	.4	1.1	1.5	2.1
22	16.9	22.2	18.8	84.0	0.0	0.0	0.0	0.0
23	16.0	27.0	19.1	78.3	10.0	18.0	28.0	5.5
24	15.2	26.2	18.2	79.0	17.2	1.6	18.8	3.5
25	15.5	25.1	19.1	79.3	3.0	0.0	3.0	7.6
26	15.4	26.8	18.9	79.3	4.2	5.1	9.3	1.4
27	17.0	26.0	20.2	81.7	.3	0.0	.3	2.5
28	17.8	28.0	21.8	74.7	0.0	.4	.4	5.3
29	16.0	28.0	19.9	77.7	6.8	.2	7.0	4.7
30	16.7	27.0	19.3	81.7	8.7	.7	9.4	2.8
31								
Total					117.5	127.5	245.0	104.6
Promedio :	16.3	26.0	19.9	80.3				

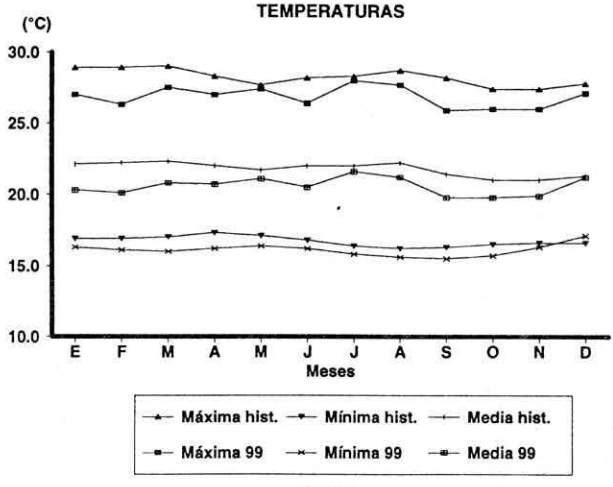
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	23.5	18.6	90.0	4.5	14.5	19.0	.2
2	17.0	26.9	21.5	78.3	0.0	.6	.6	4.2
3	17.8	24.8	20.4	83.0	0.0	0.0	0.0	.3
4	16.9	26.7	21.6	80.0	.3	5.7	6.0	1.2
5	17.9	26.0	20.4	82.7	3.2	0.0	3.2	1.8
6	17.8	26.5	22.0	78.7	0.0	6.9	6.9	2.3
7	17.5	27.5	21.5	78.3	7.8	0.0	7.8	4.0
8	16.9	28.2	22.6	76.0	0.0	2.5	2.5	3.9
9	17.5	29.3	21.0	77.7	29.7	1.1	30.8	5.2
10	18.0	26.0	21.1	81.7	0.0	0.0	0.0	2.4
11	16.7	27.0	21.1	79.7	0.0	15.7	15.7	3.2
12	18.0	25.1	20.5	85.0	4.5	23.5	28.0	1.7
13	17.0	28.2	21.9	79.0	.2	17.6	17.8	3.1
14	18.2	26.0	21.7	80.0	0.0	32.4	32.4	1.9
15	17.3	25.0	20.7	82.7	1.1	1.6	2.7	1.1
16	17.9	25.2	21.1	83.7	0.0	0.0	0.0	1.6
17	17.5	27.0	21.2	80.0	0.0	22.6	22.6	2.5
18	17.8	28.2	20.8	82.7	30.2	1.3	31.5	6.2
19	18.3	28.0	21.2	81.0	14.1	.3	14.4	3.8
20	18.0	28.5	21.6	81.3	12.4	12.6	25.0	3.7
21	18.3	27.0	21.8	80.0	1.1	2.3	3.4	3.9
22	18.0	26.0	20.7	84.0	14.1	2.9	17.0	1.1
23	17.6	27.7	20.7	80.0	0.0	0.0	0.0	7.0
24	16.5	28.0	19.4	80.0	0.0	19.0	19.0	5.2
25	15.8	26.5	21.0	73.3	0.0	0.0	0.0	5.1
26	14.0	28.0	21.2	74.3	0.0	0.0	0.0	6.8
27	15.8	28.8	21.0	73.3	0.0	0.0	0.0	8.1
28	16.7	28.3	21.4	70.7	0.0	0.0	0.0	7.8
29	15.0	29.0	21.9	69.7	0.0	0.0	0.0	7.7
30	14.9	28.6	22.4	70.3	0.0	0.0	0.0	8.2
31	16.3	29.8	22.2	73.7	0.0	0.0	0.0	7.1
Total					123.2	183.1	306.3	122.3
Promedio :	17.1	27.1	21.2	79.1				

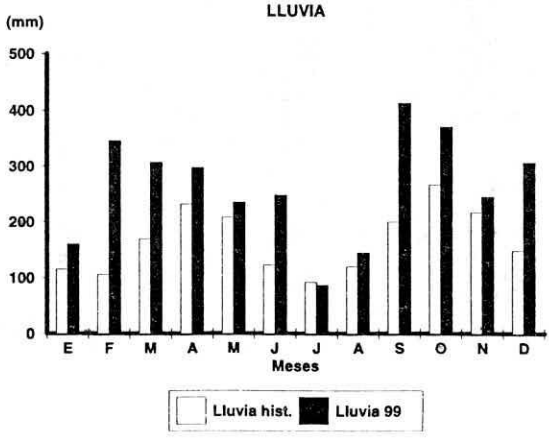
Estación : EL AGRADO
Año : 1999

Dpto. : QUINDIO
Mpio. : MONTENEGRO

Latitud : 4 ° 31 'N
Longitud : 75 ° 47 'W
Altitud : 1250 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	16.3	27.0	20.3	29.5	15.1	81.7	159.9	21	105.6
Febrero	16.1	26.3	20.1	30.0	15.0	82.0	346.4	24	77.0
Marzo	16.0	27.5	20.8	30.0	14.0	79.3	307.6	19	92.5
Abril	16.2	27.0	20.7	30.5	14.1	81.9	297.2	20	98.6
Mayo	16.4	27.4	21.1	30.0	14.0	80.5	235.1	19	130.8
Junio	16.2	26.4	20.5	29.5	13.3	83.3	247.5	27	97.1
Julio	15.8	28.0	21.6	30.5	13.0	75.1	87.0	14	178.7
Agosto	15.6	27.7	21.2	30.0	13.0	73.6	145.0	14	160.3
Septiembre	15.5	25.9	19.8	28.5	14.5	78.9	412.6	25	92.1
Octubre	15.7	26.0	19.8	28.0	13.5	78.9	370.7	24	120.0
Noviembre	16.3	26.0	19.9	29.0	14.0	80.3	245.0	28	104.6
Diciembre	17.1	27.1	21.2	29.8	14.0	79.1	306.3	20	122.3
Promedio :	16.1	26.9	20.6			79.5			
Absoluta :				30.5	13.0				
Total :							3160.3	255	1379.6





Estación : LA BELLA
Año : 1999

Dpto. : QUINDIO
Mpio. : CALARCA

Latitud : 4 ° 30 'N
Longitud : 75 ° 40 'W
Altitud : 1450 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	26.0	21.2	70.7	12.0	0.0	12.0	4.1
2	16.2	25.0	19.8	82.3	5.0	1.2	6.2	3.0
3	16.8	26.0	19.4	81.7	1.1	20.2	21.3	2.6
4	17.2	25.5	19.3	79.7	48.0	9.4	57.4	2.2
5	17.0	24.8	20.2	73.7	1.6	2.0	3.6	2.9
6	16.6	25.2	21.0	72.3	0.0	22.4	22.4	2.6
7	16.8	26.2	19.4	81.0	4.3	4.8	9.1	4.5
8	17.0	24.5	20.0	80.3	3.5	17.9	21.4	2.2
9	16.1	23.8	19.6	81.3	0.0	47.7	47.7	.6
10	16.0	25.5	18.2	85.0	23.0	18.5	41.5	4.0
11	15.0	25.8	19.9	74.3	0.0	0.0	0.0	2.0
12	16.0	24.0	19.4	81.3	5.5	17.2	22.7	1.5
13	15.8	25.5	20.4	74.0	0.0	2.2	2.2	5.9
14	17.0	24.0	19.9	69.0	1.1	.1	1.2	2.9
15	15.8	26.0	20.4	62.3	0.0	0.0	0.0	8.5
16	14.8	24.0	19.8	69.7	.2	0.0	.2	1.8
17	14.9	27.0	21.8	75.3	0.0	0.0	0.0	2.6
18	16.2	27.1	19.8	75.7	14.9	.1	15.0	7.1
19	15.2	24.8	18.8	83.3	2.3	0.0	2.3	2.3
20	17.0	24.0	20.3	77.3	0.0	0.0	0.0	.5
21	15.5	26.5	20.8	68.3	0.0	1.3	1.3	3.3
22	16.8	24.5	20.5	72.3	0.0	1.0	1.0	1.2
23	15.8	26.0	20.2	80.3	1.1	0.0	1.1	4.3
24	17.2	23.2	20.1	83.0	0.0	2.0	2.0	.3
25	17.5	24.0	20.4	76.3	0.0	3.2	3.2	1.4
26	17.0	26.2	20.8	75.7	0.0	39.5	39.5	2.7
27	16.8	26.0	18.8	84.0	25.5	.5	26.0	3.1
28	15.9	22.2	19.1	87.0	1.1	0.0	1.1	.1
29	16.0	27.0	21.1	74.3	1.0	0.0	1.0	5.0
30	16.5	26.8	22.4	67.7	0.0	0.0	0.0	6.1
31	17.8	27.0	20.8	75.3	.2	0.0	.2	6.5
Total					151.4	211.2	362.6	97.8
Promedio	16.4	25.3	20.1	76.6				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	24.8	20.0	80.0	7.0	6.5	13.5	1.4
2	16.5	24.0	20.1	77.0	.3	.6	.9	1.4
3	17.2	26.0	19.8	81.0	14.8	0.0	14.8	4.8
4	17.0	21.5	18.8	89.0	1.1	0.0	1.1	.9
5	16.0	24.0	20.4	76.3	.3	14.4	14.7	2.0
6	16.8	25.0	20.0	80.0	0.0	30.0	30.0	1.8
7	16.0	24.8	21.0	72.7	0.0	0.0	0.0	1.3
8	15.5	28.1	22.0	67.0	0.0	0.0	0.0	8.0
9	17.0	28.0	22.6	68.3	0.0	0.0	0.0	8.2
10	17.8	23.2	19.9	85.7	3.1	0.0	3.1	1.9
11	15.6	27.2	20.4	75.0	0.0	.2	.2	5.0
12	17.8	24.0	20.4	81.3	.2	0.0	.2	1.4
13	16.5	22.0	19.3	86.7	.2	0.0	.2	0.0
14	16.2	23.5	19.7	77.3	.1	0.0	.1	2.2
15	16.0	21.0	18.0	89.0	.5	0.0	.5	.1
16	16.0	23.1	18.6	84.3	1.9	.2	2.1	1.2
17	15.1	21.8	18.7	87.0	.8	8.9	9.7	.2
18	15.2	23.2	18.5	82.0	10.7	1.3	12.0	1.5
19	15.5	25.8	19.0	81.7	8.6	7.4	16.0	5.1
20	15.8	21.5	18.4	86.3	1.4	.1	1.5	.2
21	15.2	24.5	20.2	71.7	2.0	16.8	18.8	3.1
22	15.5	24.2	19.3	78.0	.9	6.5	7.4	2.8
23	16.3	24.0	19.2	87.3	6.0	32.0	38.0	.9
24	15.0	23.6	19.8	77.3	.1	7.5	7.6	1.0
25	15.8	24.0	20.1	77.7	0.0	0.0	0.0	2.4
26	17.0	27.0	20.4	77.0	.1	18.0	18.1	3.5
27	15.0	23.6	20.4	76.7	.1	9.5	9.6	2.1
28	16.0	21.5	18.4	87.7	3.5	16.1	19.6	.2
29								
30								
31								
Total					63.7	176.0	239.7	64.6
Promedio	16.1	24.1	19.8	80.0				

Estación : LA BELLA
Año : 1999

Dpto. : QUINDIO
Mpio. : CALARCA

Latitud : 4 ° 30 'N
Longitud : 75 ° 40 'W
Altitud : 1450 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	23.5	19.2	74.3	0.0	4.9	4.9	6.1
2	15.1	24.2	20.0	75.7	.3	0.0	.3	4.5
3	16.8	26.0	19.8	69.7	5.0	.5	5.5	3.4
4	16.0	25.8	20.1	78.7	1.0	0.0	1.0	4.6
5	16.1	27.0	20.6	77.3	.1	0.0	.1	7.8
6	16.2	27.3	20.8	75.0	5.2	2.1	7.3	3.1
7	16.5	25.0	19.5	79.0	1.2	0.0	1.2	4.0
8	15.2	25.5	20.7	76.7	0.0	37.6	37.6	3.3
9	15.5	23.5	18.6	84.7	7.6	0.0	7.6	1.9
10	14.5	27.0	20.3	71.7	0.0	0.0	0.0	3.7
11	15.5	26.0	21.3	70.7	0.0	0.0	0.0	5.3
12	15.6	28.0	22.3	68.0	0.0	0.0	0.0	5.8
13	16.0	24.2	19.8	82.0	2.9	0.0	2.9	1.4
14	15.0	25.0	21.2	75.0	0.0	2.8	2.8	4.5
15	17.8	24.0	19.4	86.7	9.0	.7	9.7	1.8
16	15.5	21.2	18.7	85.3	.2	.1	.3	.2
17	15.8	24.5	20.2	78.3	0.0	20.1	20.1	1.9
18	15.2	24.4	20.1	74.0	0.0	.8	.8	1.6
19	16.8	24.8	19.1	87.0	20.0	30.0	50.0	1.2
20	15.8	24.9	18.6	83.7	10.0	0.0	10.0	2.3
21	16.2	25.0	19.9	83.3	8.1	1.9	10.0	2.4
22	17.0	24.8	20.5	79.3	0.0	.7	.7	1.6
23	15.5	24.2	20.2	77.3	0.0	0.0	0.0	2.4
24	17.8	26.5	20.5	78.7	0.0	0.0	0.0	2.9
25	16.0	27.0	22.5	72.7	0.0	0.0	0.0	5.9
26	16.8	26.9	22.2	72.0	0.0	0.0	0.0	3.0
27	18.5	24.2	21.1	80.3	0.0	.4	.4	1.2
28	18.0	24.0	19.8	84.0	4.3	5.5	9.8	.6
29	16.0	24.0	20.1	79.7	0.0	0.0	0.0	4.3
30	16.8	24.8	19.6	82.0	18.7	0.0	18.7	1.4
31	16.0	26.5	19.7	79.7	1.4	0.0	1.4	4.0
Total					95.0	108.1	203.1	98.1
Promedio	16.1	25.2	20.2	78.1				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.5	26.0	20.5	74.3	0.0	0.0	0.0	3.2
2	16.6	26.2	20.2	81.7	12.5	26.8	39.3	2.4
3	16.4	22.8	18.1	92.7	0.0	0.0	0.0	1.1
4	16.0	25.0	20.9	74.3	0.0	6.7	6.7	2.3
5	15.0	25.8	20.8	71.7	0.0	30.2	30.2	5.6
6	16.1	26.8	19.7	80.7	20.3	0.0	20.3	6.4
7	16.0	26.0	19.8	79.3	0.0	1.4	1.4	4.8
8	17.0	22.8	19.2	87.3	2.0	.4	2.4	.5
9	16.0	23.5	20.0	80.7	.5	0.0	.5	1.3
10	16.1	22.6	17.5	90.7	10.0	0.0	10.0	.5
11	14.8	24.0	20.7	75.3	0.0	.7	.7	2.4
12	17.5	25.8	20.9	79.0	0.0	3.3	3.3	2.1
13	16.6	26.0	21.6	74.3	0.0	.2	.2	4.0
14	17.8	25.5	20.6	82.7	0.0	1.6	1.6	2.1
15	16.8	25.0	20.2	84.7	1.9	2.1	4.0	2.1
16	16.0	29.8	21.7	73.3	0.0	0.0	0.0	4.5
17	15.2	29.5	22.5	59.3	0.0	0.0	0.0	9.3
18	15.2	26.0	22.0	71.7	0.0	0.0	0.0	4.9
19	15.5	26.0	20.2	81.3	1.0	0.0	1.0	5.5
20	17.0	25.5	21.5	76.7	0.0	0.0	0.0	2.0
21	16.5	27.0	22.0	75.0	0.0	0.0	0.0	6.3
22	17.0	28.5	22.3	68.0	0.0	0.0	0.0	6.4
23	18.2	24.0	20.5	82.7	0.0	.2	.2	.2
24	17.0	22.0	18.2	88.0	12.4	3.3	15.7	.9
25	15.8	25.0	19.3	79.0	3.8	2.2	6.0	2.1
26	16.5	23.0	19.8	84.0	.9	.6	1.5	1.1
27	16.2	22.5	18.8	86.0	.8	0.0	.8	.5
28	15.6	24.0	19.4	84.0	.5	.1	.6	3.2
29	16.0	23.0	19.2	77.7	.1	25.0	25.1	4.9
30	15.5	21.0	18.2	85.7	2.5	0.0	2.5	0.0
31								
Total					69.2	104.8	174.0	92.6
Promedio	16.3	25.0	20.2	79.4				

Estación : LA BELLA
Año : 1999

Dpto. : QUINDIO
Mpio. : CALARCA

Latitud : 4 ° 30 'N
Longitud : 75 ° 40 'W
Altitud : 1450 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.0	26.2	19.8	79.3	0.0	1.0	1.0	6.7
2	17.0	24.0	19.7	83.0	0.0	0.0	0.0	.8
3	16.2	26.0	20.8	76.0	0.0	5.8	5.8	3.9
4	16.8	20.8	18.7	89.3	2.8	0.0	2.8	0.0
5	15.0	24.8	19.2	79.0	.3	.2	.5	4.9
6	15.8	25.0	20.3	75.7	0.0	20.4	20.4	3.3
7	15.7	22.8	18.9	89.0	2.4	2.4	4.8	2.2
8	16.0	24.0	19.4	82.7	0.0	0.0	0.0	1.6
9	15.8	24.0	18.8	85.7	20.5	0.0	20.5	1.5
10	15.0	25.5	19.3	79.0	.2	4.2	4.4	5.9
11	15.8	22.5	18.9	82.3	0.0	.2	.2	.8
12	15.4	24.5	18.3	80.0	26.3	4.0	30.3	2.3
13	15.8	22.0	18.5	87.7	1.2	0.0	1.2	.9
14	15.6	25.8	21.2	71.0	.1	.3	.4	4.5
15	17.0	26.0	21.8	75.7	0.0	0.0	0.0	3.1
16	18.0	26.7	22.8	62.3	0.0	0.0	0.0	5.9
17	17.8	26.8	22.6	70.7	0.0	0.0	0.0	5.7
18	16.2	23.8	20.4	84.7	0.0	0.0	0.0	.8
19	17.0	26.5	21.0	78.3	.7	0.0	.7	3.9
20	16.8	25.0	20.8	77.0	0.0	0.0	0.0	3.0
21	16.2	25.5	20.4	79.0	2.5	1.3	3.8	3.0
22	17.5	25.5	21.2	82.3	0.0	0.0	0.0	4.3
23	17.8	27.0	23.2	69.0	0.0	0.0	0.0	6.4
24	16.5	28.0	22.1	72.3	0.0	0.0	0.0	6.7
25	16.0	25.8	21.1	74.7	0.0	.5	.5	5.2
26	17.0	27.0	22.5	67.3	0.0	0.0	0.0	5.7
27	16.8	27.2	21.9	72.0	0.0	.1	.1	5.4
28	17.2	24.5	21.3	82.3	.7	.1	.8	1.2
29	17.5	26.0	20.7	81.3	0.0	0.0	0.0	2.6
30	17.0	26.2	21.6	77.3	0.0	1.8	1.8	2.1
31	16.8	27.0	20.6	74.3	0.0	0.0	0.0	6.6
Total :					57.7	42.3	100.0	110.9
Promedio :	16.4	25.2	20.6	78.1				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	25.8	21.7	78.0	0.0	10.6	10.6	3.2
2	17.8	25.5	20.8	81.3	.6	0.0	.6	3.1
3	15.8	26.0	21.0	74.3	0.0	0.0	0.0	4.2
4	17.5	23.0	18.9	87.0	.1	3.0	3.1	1.0
5	15.8	23.5	19.4	80.3	0.0	0.0	0.0	1.8
6	15.0	23.2	19.8	77.3	0.0	0.0	0.0	1.4
7	16.5	24.2	18.8	83.7	10.8	9.5	20.3	1.5
8	16.0	23.5	19.6	77.3	2.3	.6	2.9	1.6
9	16.1	25.0	20.4	80.0	2.5	0.0	2.5	5.2
10	14.2	26.0	21.1	72.3	0.0	4.3	4.3	6.6
11	17.0	24.0	21.0	81.0	6.1	0.0	6.1	.9
12	15.8	26.0	19.8	78.3	4.5	0.0	4.5	5.2
13	16.4	20.0	18.0	96.3	19.8	0.0	19.8	.1
14	15.8	24.0	19.3	82.7	.8	0.0	.8	2.8
15	15.2	25.0	18.8	84.7	0.0	.2	.2	2.4
16	17.0	23.0	18.6	89.0	3.8	1.7	5.5	1.7
17	14.2	26.0	20.8	68.7	0.0	7.8	7.8	6.0
18	16.5	20.0	18.6	92.7	5.8	0.0	5.8	0.0
19	16.0	26.0	21.9	71.0	0.0	0.0	0.0	5.5
20	16.8	25.5	20.9	78.7	0.0	0.0	0.0	1.6
21	17.5	21.2	19.7	88.3	4.5	0.0	4.5	.4
22	16.8	24.5	20.5	80.3	0.0	0.0	0.0	3.9
23	16.0	22.0	19.4	86.0	.5	0.0	.5	1.0
24	15.2	24.9	20.4	76.3	0.0	0.0	0.0	2.4
25	16.5	25.0	19.9	81.0	5.6	3.0	8.6	3.0
26	16.8	23.5	19.5	80.7	0.0	9.8	9.8	1.4
27	15.5	22.0	19.8	80.0	1.1	8.7	9.8	.2
28	16.2	20.5	18.0	89.0	.3	0.0	.3	0.0
29	13.5	24.0	19.4	75.0	0.0	.7	.7	2.5
30	15.2	27.0	21.0	75.0	0.0	3.4	3.4	5.4
31								
Total :					69.1	63.3	132.4	76.0
Promedio :	16.1	24.0	19.9	80.9				

Estación : LA BELLA
Año : 1999

Dpto. : QUINDIO
Mpio. : CALARCA

Latitud : 4 ° 30 'N
Longitud : 75 ° 40 'W
Altitud : 1450 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	23.0	19.6	82.7	.3	0.0	.3	.8
2	16.5	24.5	20.4	76.7	0.0	1.0	1.0	2.8
3	16.3	23.0	20.2	77.0	.1	5.9	6.0	2.6
4	15.2	25.0	21.5	70.0	0.0	0.0	0.0	5.3
5	15.2	26.0	20.3	71.0	0.0	0.0	0.0	6.8
6	15.5	25.1	18.9	81.3	1.2	0.0	1.2	3.5
7	15.8	25.0	20.2	76.0	1.6	.5	2.1	4.4
8	15.0	24.5	20.7	77.0	0.0	0.0	0.0	4.7
9	15.2	25.5	21.2	69.7	0.0	0.0	0.0	7.0
10	13.8	26.6	20.8	66.0	0.0	0.0	0.0	9.2
11	15.0	24.2	21.4	70.0	0.0	0.0	0.0	3.2
12	16.2	25.5	20.8	75.0	0.0	0.0	0.0	5.3
13	14.8	28.0	22.2	63.0	0.0	0.0	0.0	6.5
14	17.0	30.0	23.0	65.3	0.0	0.0	0.0	10.2
15	15.0	28.0	22.0	67.3	0.0	0.0	0.0	8.5
16	16.8	26.2	22.2	71.7	0.0	0.0	0.0	4.8
17	15.0	27.0	21.3	71.7	0.0	0.0	0.0	7.7
18	16.0	28.2	23.0	67.3	0.0	0.0	0.0	6.4
19	16.8	25.2	20.8	74.7	0.0	4.6	4.6	3.5
20	16.2	25.5	22.0	71.0	0.0	.7	.7	5.5
21	17.2	27.8	22.5	65.0	0.0	0.0	0.0	5.9
22	16.6	26.0	21.5	73.0	0.0	0.0	0.0	1.9
23	17.8	25.2	21.0	80.0	.3	0.0	.3	2.7
24	16.8	25.0	21.6	73.0	0.0	0.0	0.0	3.6
25	17.0	29.8	23.6	64.7	0.0	0.0	0.0	7.6
26	16.5	25.8	21.5	76.3	0.0	2.1	2.1	1.6
27	17.8	26.8	21.9	79.0	0.0	0.0	0.0	4.1
28	18.0	25.2	21.6	75.0	.4	0.0	.4	2.6
29	17.0	25.0	21.0	79.3	.2	0.0	.2	1.8
30	15.8	27.0	22.3	71.3	0.0	0.0	0.0	7.4
31	17.6	27.2	22.0	76.3	.1	0.0	.1	4.4
Total					4.2	14.8	19.0	152.3
Promedio	16.2	26.0	21.4	72.8				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.8	28.0	21.2	74.0	0.0	0.0	0.0	4.6
2	15.8	26.2	21.4	69.0	0.0	0.0	0.0	4.8
3	16.8	24.2	20.2	77.0	0.0	0.0	0.0	2.8
4	15.6	26.0	21.8	70.7	0.0	0.0	0.0	5.5
5	16.0	27.2	22.2	62.3	0.0	0.0	0.0	5.5
6	17.0	27.0	20.8	78.0	4.9	15.3	20.2	5.2
7	15.2	24.5	20.3	75.3	0.0	0.0	0.0	2.3
8	17.2	27.2	22.6	66.0	0.0	0.0	0.0	5.9
9	17.5	27.0	21.5	76.7	0.0	0.0	0.0	2.5
10	15.2	26.8	22.1	66.3	0.0	0.0	0.0	6.5
11	16.8	26.1	21.6	70.7	0.0	0.0	0.0	5.1
12	16.0	26.3	21.0	75.0	0.0	0.0	0.0	5.0
13	17.0	25.0	19.9	84.7	1.2	1.2	2.4	3.1
14	16.8	24.2	21.0	74.0	2.7	.8	3.5	4.0
15	15.0	27.0	21.2	64.3	0.0	0.0	0.0	2.1
16	15.8	27.2	21.0	71.3	0.0	0.0	0.0	6.4
17	16.5	25.5	20.6	78.0	0.0	0.0	0.0	3.8
18	15.0	26.2	21.4	69.0	0.0	0.0	0.0	7.6
19	16.0	26.0	20.8	75.0	0.0	0.0	0.0	4.8
20	15.0	26.2	21.0	73.3	0.0	0.0	0.0	5.1
21	15.8	21.2	17.8	84.0	8.3	0.0	8.3	1.4
22	13.8	23.0	19.4	79.0	.3	0.0	.3	2.3
23	14.0	25.0	19.6	75.3	0.0	0.0	0.0	3.3
24	15.8	26.0	21.4	72.0	0.0	7.7	7.7	4.6
25	16.0	20.0	18.3	93.0	9.9	0.0	9.9	0.0
26	15.5	25.0	19.4	74.7	0.0	10.0	10.0	3.8
27	16.5	23.2	19.6	83.7	.4	0.0	.4	1.0
28	15.5	25.0	20.5	78.3	1.4	6.3	7.7	3.7
29	16.0	28.0	22.5	70.7	0.0	0.0	0.0	7.0
30	17.0	27.8	22.4	73.0	0.0	0.0	0.0	4.3
31	15.6	26.8	22.8	66.7	0.0	0.0	0.0	5.8
Total					29.1	41.3	70.4	129.8
Promedio	16.0	25.6	20.9	74.2				

Estación : LA BELLA
Año : 1999

Dpto. : QUINDIO
Mpio. : CALARCA

Latitud : 4 ° 30 'N
Longitud : 75 ° 40 'W
Altitud : 1450 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.8	26.0	20.6	80.0	.3	5.3	5.6	3.1
2	16.8	24.0	20.5	77.7	.2	0.0	.2	1.6
3	16.0	25.0	20.4	78.0	0.0	0.0	0.0	2.0
4	16.0	25.5	20.4	78.7	.4	.1	.5	3.2
5	16.5	22.8	20.1	86.3	.3	0.0	.3	.7
6	16.5	25.2	20.5	75.3	0.0	0.0	0.0	5.1
7	16.0	26.0	19.5	80.7	14.7	.9	15.6	4.0
8	16.6	25.0	19.9	80.3	.8	0.0	.8	2.3
9	15.5	24.4	19.7	83.3	.7	19.5	20.2	1.3
10	16.0	23.0	19.3	85.7	1.1	0.0	1.1	3.6
11	15.9	24.0	18.8	81.7	0.0	0.0	0.0	.3
12	15.5	22.0	17.8	88.7	10.0	0.0	10.0	.5
13	15.0	24.0	19.0	78.7	0.0	10.0	10.0	2.2
14	14.8	20.0	17.4	91.3	1.0	0.0	1.0	0.0
15	15.8	26.2	19.4	73.7	3.0	1.2	4.2	4.5
16	15.8	26.5	20.0	80.7	6.7	13.4	20.1	3.5
17	16.8	23.2	19.4	85.0	1.0	0.0	1.0	1.2
18	15.0	24.5	20.7	73.0	0.0	0.0	0.0	6.3
19	16.0	26.5	21.9	71.7	7.1	0.0	7.1	2.9
20	17.0	25.8	19.8	80.0	4.5	6.1	10.6	5.8
21	15.6	24.0	19.4	81.7	0.0	9.8	9.8	1.8
22	16.0	24.5	19.2	80.3	1.7	0.0	1.7	1.2
23	15.5	24.5	18.3	85.3	10.0	0.0	10.0	2.0
24	15.2	23.0	19.1	79.3	.1	2.6	2.7	3.6
25	15.8	23.1	18.4	86.3	3.0	17.1	20.1	1.5
26	15.2	23.4	19.2	85.0	2.1	8.8	10.9	.9
27	16.0	21.0	18.1	87.3	1.0	6.9	7.9	.1
28	15.5	22.0	17.6	87.7	27.2	2.6	29.8	.6
29	15.0	22.2	18.8	86.7	.3	0.0	.3	.7
30	15.2	25.2	19.6	75.0	0.0	10.0	10.0	3.1
31								
Total					97.2	114.3	211.5	69.6
Promedio	15.9	24.1	19.4	81.5				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	20.2	18.2	84.3	0.0	0.0	0.0	.6
2	15.0	24.5	20.4	73.7	0.0	.3	.3	2.8
3	16.8	26.5	19.7	81.0	.2	7.9	8.1	3.8
4	16.0	24.2	19.3	77.7	0.0	0.0	0.0	2.3
5	15.9	26.0	18.8	81.3	1.4	.6	2.0	2.6
6	15.8	21.5	17.8	85.7	18.2	0.0	18.2	.4
7	14.0	22.4	18.5	80.7	.2	1.8	2.0	2.9
8	14.9	25.8	20.4	72.7	.2	.1	.3	4.9
9	17.0	25.2	20.0	80.0	1.1	0.0	1.1	3.2
10	15.5	24.0	19.6	81.0	1.0	1.4	2.4	2.7
11	17.0	25.2	20.6	78.3	0.0	.4	.4	2.4
12	16.0	25.5	19.2	83.3	4.8	.2	5.0	3.7
13	15.8	25.0	20.4	75.3	0.0	0.0	0.0	6.0
14	16.9	25.5	21.6	68.7	0.0	0.0	0.0	2.8
15	16.8	25.8	20.8	75.7	0.0	.4	.4	2.5
16	17.2	23.2	20.1	76.0	.4	0.0	.4	1.1
17	16.8	24.0	18.8	82.0	0.0	0.0	0.0	1.1
18	14.0	24.5	18.8	81.7	7.5	0.0	7.5	4.1
19	15.2	25.2	20.9	72.7	0.0	0.0	0.0	2.6
20	17.5	24.0	20.2	77.7	.8	0.0	.8	1.1
21	16.0	23.8	19.0	86.0	10.0	0.0	10.0	.5
22	16.2	23.5	19.5	85.3	3.4	.9	4.3	1.9
23	16.8	25.0	20.4	81.0	.4	0.0	.4	2.9
24	17.0	26.0	20.6	76.0	0.0	0.0	0.0	1.8
25	17.8	24.2	19.7	86.3	4.9	3.8	8.7	1.8
26	15.0	24.6	19.8	78.0	.2	15.5	15.7	1.5
27	16.0	23.8	19.0	83.0	10.0	43.5	53.5	2.2
28	16.2	22.5	18.4	83.0	3.9	.2	4.1	1.5
29	14.0	24.8	19.4	86.3	6.3	3.6	9.9	3.6
30	15.6	23.0	18.7	83.0	0.0	0.0	0.0	1.4
31	15.8	26.0	21.3	69.7	0.0	0.0	0.0	4.2
Total					74.9	80.6	155.5	76.9
Promedio	16.0	24.4	19.7	79.6				

Estación : LA BELLA
Año : 1999

Dpto. : QUINDIO
Mpio. : CALARCA

Latitud : 4 ° 30 'N
Longitud : 75 ° 40 'W
Altitud : 1450 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.8	25.0	19.6	79.0	0.0	5.3	5.3	2.2
2	17.5	25.8	19.8	81.3	20.3	28.7	49.0	3.6
3	16.0	26.0	19.5	80.7	.8	0.0	.8	2.4
4	17.2	24.4	20.6	80.3	10.0	0.0	10.0	3.3
5	17.0	24.2	20.9	75.7	0.0	4.7	4.7	1.6
6	17.1	24.0	19.2	82.3	9.8	0.0	9.8	.6
7	16.2	23.8	18.9	83.7	10.1	0.0	10.1	.6
8	17.0	24.0	19.7	82.0	0.0	0.0	0.0	1.0
9	16.0	26.0	20.8	75.7	0.0	0.0	0.0	2.1
10	18.0	26.8	21.6	76.0	.2	20.3	20.5	4.2
11	17.0	20.5	18.8	92.3	7.5	0.0	7.5	.5
12	16.5	23.0	19.2	84.7	2.7	5.7	8.4	1.5
13	17.0	24.0	19.6	83.7	10.1	0.0	10.1	1.4
14	14.8	26.5	21.8	66.0	0.0	10.0	10.0	6.1
15	17.0	22.2	18.6	86.0	0.0	0.0	0.0	1.0
16	13.8	26.0	20.6	69.3	0.0	3.4	3.4	8.3
17	15.6	24.8	19.0	79.0	17.5	12.4	29.9	7.0
18	15.8	21.6	19.2	83.0	.5	9.3	9.8	.7
19	16.5	22.0	19.4	84.0	0.0	59.1	59.1	0.0
20	16.8	24.2	18.8	85.7	6.7	3.3	10.0	1.9
21	16.0	24.0	19.1	81.0	4.0	5.9	9.9	2.0
22	16.0	21.0	18.5	83.7	.9	0.0	.9	.1
23	15.5	25.0	18.9	79.7	32.1	7.7	39.8	3.0
24	15.2	23.2	18.6	84.0	3.9	13.2	17.1	2.9
25	15.8	24.2	18.2	83.3	9.9	0.0	9.9	4.2
26	15.6	25.5	20.1	80.0	58.8	1.0	59.8	5.5
27	17.0	24.2	21.0	80.7	0.0	0.0	0.0	2.1
28	18.0	26.0	22.4	72.3	0.0	0.0	0.0	3.8
29	16.5	26.1	19.5	80.7	0.0	0.0	0.0	4.1
30	17.0	23.0	19.0	83.3	20.0	0.0	20.0	.9
31								
Total :					225.8	190.0	415.8	78.6
Promedio :	16.4	24.2	19.7	80.6				

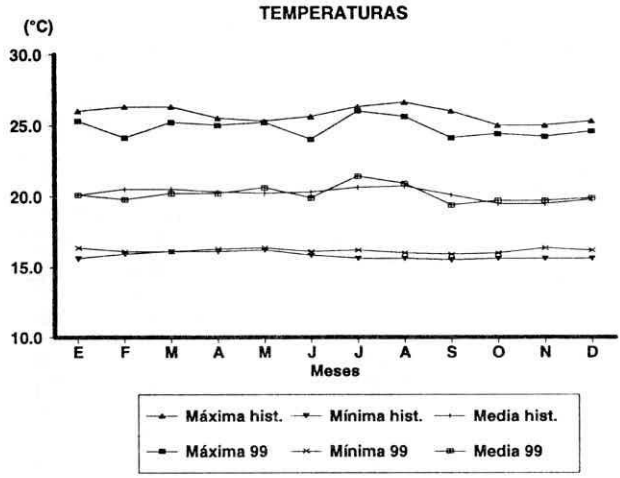
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.5	20.0	17.4	93.0	20.0	0.0	20.0	0.0
2	15.8	24.5	20.0	78.0	0.0	10.0	10.0	2.2
3	16.0	21.8	19.0	85.3	0.0	0.0	0.0	.1
4	15.8	24.8	20.0	82.3	.5	9.4	9.9	1.4
5	16.8	23.2	19.2	84.3	1.4	20.6	22.0	.9
6	16.5	24.0	19.1	81.0	0.0	0.0	0.0	1.5
7	16.0	25.8	19.8	77.0	3.0	0.0	3.0	1.6
8	16.1	24.8	20.7	77.3	0.0	0.0	0.0	2.4
9	16.5	26.4	21.1	72.7	0.0	0.0	0.0	4.1
10	18.0	23.2	19.6	80.3	.3	2.2	2.5	2.2
11	16.0	24.8	19.9	81.0	1.2	0.0	1.2	3.6
12	17.2	23.8	18.9	92.0	6.5	3.5	10.0	1.6
13	16.0	24.2	20.3	79.7	0.0	0.0	0.0	1.5
14	17.2	23.5	19.7	84.3	5.8	34.7	40.5	2.6
15	16.8	23.0	19.6	83.0	.7	9.3	10.0	.9
16	17.0	22.8	19.6	85.0	.2	5.9	6.1	.3
17	16.8	24.8	19.6	85.0	2.4	13.2	15.6	2.5
18	17.0	25.0	19.4	83.0	6.9	.3	7.2	2.0
19	17.8	25.5	19.9	82.7	2.4	0.0	2.4	1.7
20	17.4	25.0	20.4	80.7	.4	9.4	9.8	2.0
21	17.2	24.2	19.6	83.7	8.9	5.4	14.3	2.7
22	17.0	23.8	19.7	84.7	3.2	1.7	4.9	1.5
23	16.5	26.2	20.4	75.7	0.0	0.0	0.0	2.6
24	15.0	25.5	18.7	79.3	60.9	34.9	95.8	3.2
25	14.8	26.0	20.2	69.7	0.0	0.0	0.0	4.0
26	14.5	26.2	21.2	65.7	0.0	0.0	0.0	5.6
27	15.5	26.0	21.0	68.7	0.0	0.0	0.0	8.1
28	15.0	26.2	20.5	68.7	0.0	0.0	0.0	7.2
29	14.5	26.0	20.3	67.0	0.0	0.0	0.0	4.9
30	14.8	25.8	21.0	68.3	0.0	0.0	0.0	4.4
31	16.0	26.0	21.1	73.3	0.0	.2	.2	4.7
Total :					124.7	160.7	285.4	84.0
Promedio :	16.2	24.6	19.9	79.1				

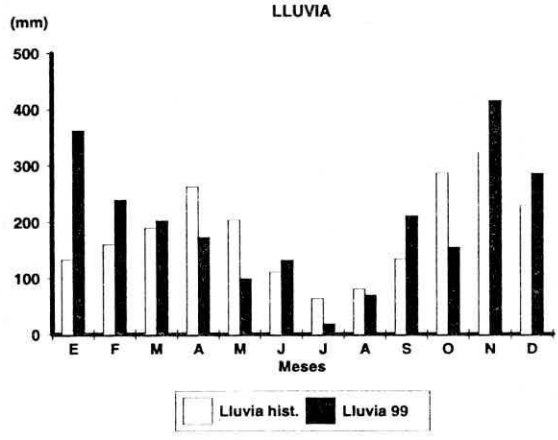
Estación : LA BELLA
Año : 1999

Dpto. : QUINDIO
Mpio. : CALARCA

Latitud : 4 ° 30 'N
Longitud : 75 ° 40 'W
Altitud : 1450 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	16.4	25.3	20.1	27.1	14.8	76.6	362.6	26	97.8
Febrero	16.1	24.1	19.8	28.1	15.0	80.0	239.7	24	64.6
Marzo	16.1	25.2	20.2	28.0	14.5	78.1	203.1	23	98.1
Abril	16.3	25.0	20.2	29.8	14.8	79.4	174.0	22	92.6
Mayo	16.4	25.2	20.6	28.0	14.0	78.1	100.0	18	110.9
Junio	16.1	24.0	19.9	27.0	13.5	80.9	132.4	23	76.0
Julio	16.2	26.0	21.4	30.0	13.8	72.8	19.0	12	152.3
Agosto	16.0	25.6	20.9	28.0	13.8	74.2	70.4	10	129.8
Septiembre	15.9	24.1	19.4	26.5	14.8	81.5	211.5	26	69.6
Octubre	16.0	24.4	19.7	26.5	14.0	79.6	155.5	22	76.9
Noviembre	16.4	24.2	19.7	26.8	13.8	80.6	415.8	24	78.6
Diciembre	16.2	24.6	19.9	26.4	14.5	79.1	285.4	19	84.0
Promedio :	16.2	24.8	20.1			78.4			
Absoluta :				30.0	13.5				
Total :							2369.4	249	1131.2





Estación : PARAGUAICITO
Año : 1999

Dpto. : QUINDIO
Mpio. : BUENAVISTA

Latitud : 4 ° 23 'N
Longitud : 75 ° 44 'W
Altitud : 1250 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.7	28.3	22.4	76.0	0.0	.4	.4	5.0
2	18.0	26.8	21.2	82.7	1.1	0.0	1.1	2.5
3	17.4	30.2	20.8	80.7	3.8	15.0	18.8	4.5
4	18.4	27.8	20.9	81.0	48.0	0.0	48.0	4.4
5	18.0	27.0	21.8	75.0	0.0	2.0	2.0	2.1
6	17.8	29.3	21.8	74.7	0.0	73.0	73.0	4.6
7	18.2	29.2	20.4	78.0	5.6	18.8	24.4	4.1
8	18.2	25.6	21.3	78.0	0.0	25.1	25.1	1.1
9	17.6	24.8	20.7	85.3	0.0	9.3	9.3	.4
10	18.0	28.3	20.4	81.3	20.2	11.9	32.1	3.1
11	16.2	28.4	21.4	77.7	0.0	1.2	1.2	3.1
12	18.0	25.9	20.8	79.7	2.4	0.0	2.4	.5
13	16.4	27.4	21.8	72.7	0.0	0.0	0.0	4.9
14	17.6	26.4	21.7	70.7	0.0	.2	.2	3.9
15	17.0	27.9	20.5	66.7	0.0	0.0	0.0	7.6
16	15.4	26.8	20.6	76.7	0.0	0.0	0.0	2.0
17	16.0	29.2	22.0	68.0	0.0	0.0	0.0	5.4
18	16.2	29.4	22.6	66.7	0.0	3.9	3.9	7.1
19	15.6	27.6	20.1	78.7	.7	0.0	.7	2.8
20	17.4	27.0	21.4	76.0	0.0	0.0	0.0	2.3
21	16.8	29.2	22.2	74.0	0.0	0.0	0.0	4.8
22	17.4	25.8	20.7	81.3	.2	.5	.7	1.9
23	16.8	27.6	21.0	81.0	2.0	0.0	2.0	2.4
24	18.4	24.8	20.8	81.3	0.0	.8	.8	.2
25	18.2	26.8	21.6	77.0	.4	0.0	.4	.7
26	18.4	29.7	23.4	66.7	0.0	21.2	21.2	3.9
27	17.5	29.0	19.6	79.0	8.8	.5	9.3	1.3
28	16.6	24.8	19.8	86.3	1.3	0.0	1.3	.4
29	16.2	30.2	22.3	72.3	.3	0.0	.3	6.5
30	17.0	30.9	23.2	65.3	0.0	0.0	0.0	6.8
31	18.0	30.0	23.0	65.0	0.0	0.0	0.0	4.5
Total					94.8	183.8	278.6	104.8
Promedio :	17.3	27.8	21.4	76.0				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.6	28.6	21.0	78.3	14.0	13.8	27.8	4.6
2	18.2	26.1	20.8	79.0	1.0	0.0	1.0	1.3
3	18.4	30.9	21.4	76.3	2.1	1.9	4.0	6.1
4	18.3	24.9	20.5	86.3	.6	.1	.7	1.5
5	17.5	27.0	21.0	76.3	0.0	1.3	1.3	2.4
6	18.2	27.8	21.2	75.7	2.0	18.1	20.1	1.5
7	17.9	28.8	21.4	74.3	.5	0.0	.5	3.1
8	16.4	30.9	23.2	65.7	0.0	0.0	0.0	9.0
9	17.7	31.0	23.7	64.7	0.0	0.0	0.0	9.4
10	18.8	23.6	20.3	89.0	13.5	0.0	13.5	.4
11	15.8	28.2	21.3	76.0	.3	.3	.6	6.3
12	17.8	25.4	20.4	85.0	1.2	10.2	11.4	.9
13	17.0	23.2	20.1	80.0	0.0	0.0	0.0	.4
14	17.2	26.0	21.0	78.7	0.0	0.0	0.0	2.9
15	17.4	23.0	18.9	90.7	40.8	3.3	44.1	.1
16	16.2	25.8	19.5	81.3	6.1	.2	6.3	1.1
17	15.6	26.2	20.0	82.3	0.0	11.3	11.3	1.8
18	16.6	26.0	20.8	75.7	0.0	1.0	1.0	3.4
19	17.0	28.4	20.2	78.7	.7	9.3	10.0	5.8
20	16.8	23.5	19.9	82.3	2.7	0.0	2.7	.1
21	14.8	26.6	19.6	80.7	0.0	19.9	19.9	4.0
22	16.0	25.8	20.6	73.0	1.3	1.9	3.2	2.3
23	17.6	26.4	20.7	78.3	1.1	37.0	38.1	.5
24	15.6	25.8	20.9	78.0	0.0	33.1	33.1	1.3
25	17.0	26.0	20.3	79.3	1.4	.3	1.7	3.9
26	17.2	28.6	21.8	75.0	0.0	63.3	63.3	6.5
27	15.8	26.6	20.5	79.0	.1	4.9	5.0	2.8
28	16.8	24.6	19.6	83.7	19.6	.4	20.0	.4
29								
30								
31								
Total					109.0	231.6	340.6	83.8
Promedio	17.0	26.6	20.7	78.7				

Estación : PARAGUAICITO
Año : 1999

Dpto. : QUINDIO
Mpio. : BUENAVISTA

Latitud : 4 ° 23 'N
Longitud : 75 ° 44 'W
Altitud : 1250 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	25.8	20.4	72.0	0.0	2.6	2.6	1.3
2	16.4	27.0	20.9	71.7	0.0	0.0	0.0	3.4
3	16.6	28.6	22.2	71.7	.1	5.1	5.2	6.9
4	15.6	28.4	20.9	76.3	.1	0.0	.1	3.9
5	16.8	29.2	21.8	71.0	0.0	0.0	0.0	9.0
6	16.6	30.0	21.8	73.0	0.0	1.4	1.4	8.1
7	17.4	28.0	20.2	78.0	.5	0.0	.5	4.1
8	15.0	28.5	21.7	71.7	0.0	14.9	14.9	4.6
9	17.0	26.8	20.4	78.0	33.0	0.0	33.0	3.5
10	15.6	28.4	21.2	75.3	0.0	0.0	0.0	4.8
11	16.6	28.2	21.5	75.3	0.0	0.0	0.0	5.3
12	15.4	29.2	22.4	71.0	0.0	.4	.4	6.6
13	16.4	26.6	19.8	83.7	20.8	0.0	20.8	2.4
14	14.8	28.3	21.8	73.3	0.0	10.1	10.1	5.5
15	18.0	26.8	20.2	79.0	17.9	10.3	28.2	2.8
16	17.2	25.9	21.0	79.3	1.7	0.0	1.7	1.2
17	16.6	25.6	21.0	83.3	0.0	27.4	27.4	2.3
18	16.2	26.6	20.7	75.3	.1	1.0	1.1	3.0
19	17.4	26.0	20.6	80.7	1.5	33.1	34.6	.6
20	16.2	27.7	21.2	74.0	0.0	.4	.4	4.3
21	16.6	26.8	21.0	79.0	1.2	3.5	4.7	2.6
22	17.8	27.7	22.2	72.3	0.0	.5	.5	1.7
23	17.6	28.4	22.6	72.7	0.0	.3	.3	2.4
24	18.0	28.9	22.2	74.3	0.0	0.0	0.0	2.8
25	17.0	29.8	23.3	70.3	0.0	0.0	0.0	6.0
26	17.2	29.0	23.0	73.7	0.0	0.0	0.0	4.8
27	18.8	27.0	22.6	78.7	0.0	1.8	1.8	.5
28	19.0	26.8	21.0	79.7	1.0	4.1	5.1	2.1
29	17.7	26.4	21.7	81.0	1.0	0.0	1.0	4.9
30	16.8	27.8	20.9	78.0	1.2	0.0	1.2	3.7
31	17.6	29.2	21.8	76.3	2.0	0.0	2.0	7.5
Total					82.1	116.9	199.0	122.6
Promedio :	16.8	27.7	21.4	75.8				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.4	28.4	21.7	76.3	0.0	0.0	0.0	2.0
2	17.2	28.8	23.2	73.3	0.0	8.8	8.8	5.9
3	18.2	24.8	19.6	90.0	0.0	.3	.3	1.3
4	16.8	27.0	21.6	75.0	0.0	5.4	5.4	1.6
5	15.8	27.8	21.7	72.7	0.0	10.2	10.2	5.1
6	16.8	28.6	23.0	66.7	0.0	.4	.4	9.8
7	17.0	29.4	21.0	80.3	2.5	.6	3.1	5.3
8	18.0	24.8	21.4	81.7	.5	2.6	3.1	.6
9	17.4	25.4	21.0	82.3	.2	0.0	.2	0.0
10	18.0	24.4	19.2	91.0	15.2	1.7	16.9	.6
11	16.6	26.6	21.2	77.0	0.0	0.0	0.0	2.9
12	17.9	28.4	21.7	78.0	.3	11.2	11.5	4.2
13	17.4	28.6	22.5	70.3	.2	0.0	.2	3.5
14	18.0	27.2	22.0	78.7	.2	1.0	1.2	2.5
15	17.8	28.0	21.2	81.0	1.9	1.4	3.3	4.1
16	16.8	30.6	22.2	68.7	0.0	0.0	0.0	6.5
17	14.8	29.7	22.8	68.0	0.0	0.0	0.0	9.9
18	14.9	28.9	22.2	69.7	0.0	0.0	0.0	6.5
19	16.6	26.8	21.6	76.3	.4	0.0	.4	2.7
20	17.0	27.8	22.6	76.3	0.0	0.0	0.0	3.8
21	17.6	28.8	22.8	72.3	0.0	0.0	0.0	5.5
22	17.4	31.2	24.4	68.0	0.0	0.0	0.0	7.7
23	18.8	26.4	21.2	84.3	.2	.6	.8	.3
24	17.0	26.2	19.9	86.0	23.8	5.5	29.3	1.7
25	16.8	27.6	20.0	81.7	2.7	3.7	6.4	2.6
26	16.9	25.6	20.4	84.0	4.9	10.0	14.9	1.6
27	17.9	25.8	20.4	81.7	1.9	0.0	1.9	1.3
28	16.0	25.8	19.9	85.0	2.4	.2	2.6	3.5
29	16.9	28.8	22.0	67.7	0.0	19.7	19.7	6.6
30	16.6	22.2	19.2	84.0	1.1	0.0	1.1	0.0
31								
Total					58.4	83.3	141.7	109.6
Promedio :	17.1	27.3	21.5	77.6				

Estación : PARAGUAICITO
Año : 1999

Dpto. : QUINDIO
Mpio. : BUENAVISTA

Latitud : 4 ° 23 'N
Longitud : 75 ° 44 'W
Altitud : 1250 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.8	27.6	20.0	75.7	.3	0.0	.3	6.4
2	16.6	25.2	20.2	85.0	1.8	0.0	1.8	1.3
3	16.0	27.6	22.0	74.0	0.0	29.9	29.9	4.8
4	17.0	23.4	20.0	83.3	.8	0.0	.8	0.0
5	16.8	28.4	20.7	78.0	.9	8.8	9.7	5.9
6	16.9	27.9	21.5	73.7	0.0	51.0	51.0	3.4
7	16.8	26.8	20.0	84.0	1.0	1.5	2.5	3.6
8	17.0	27.1	21.1	79.3	.7	0.0	.7	3.1
9	16.2	25.6	19.3	91.0	1.3	68.5	69.8	1.5
10	15.6	27.4	20.4	75.7	0.0	4.9	4.9	7.8
11	16.6	23.8	19.8	82.7	.1	1.0	1.1	.4
12	15.8	27.6	21.2	77.0	0.0	23.5	23.5	4.2
13	16.8	25.0	19.2	90.7	3.9	0.0	3.9	1.9
14	16.2	28.4	21.4	74.0	0.0	0.0	0.0	3.4
15	17.2	27.6	22.2	77.3	0.0	0.0	0.0	4.8
16	17.6	28.8	23.5	66.7	0.0	0.0	0.0	7.4
17	18.0	28.6	23.4	71.0	0.0	0.0	0.0	7.8
18	17.0	25.4	21.4	79.7	0.0	0.0	0.0	.8
19	18.0	28.6	22.2	71.3	0.0	0.0	0.0	4.4
20	17.2	28.0	22.2	71.0	0.0	0.0	0.0	4.3
21	16.2	27.9	21.4	77.7	0.0	0.0	0.0	5.9
22	16.8	28.9	21.4	76.3	0.0	0.0	0.0	4.5
23	18.4	29.8	24.2	69.7	0.0	0.0	0.0	8.9
24	17.2	30.0	23.2	72.3	0.0	0.0	0.0	6.7
25	17.0	28.0	22.1	75.3	0.0	0.0	0.0	4.4
26	17.6	29.9	24.0	64.3	0.0	0.0	0.0	8.8
27	17.0	29.6	22.6	71.0	0.0	1.6	1.6	6.4
28	18.2	27.7	22.5	79.0	.5	0.0	.5	2.3
29	18.2	28.4	21.5	79.3	1.3	0.0	1.3	2.6
30	17.8	29.2	22.4	72.7	0.0	.7	.7	3.2
31	16.6	30.6	21.6	79.0	45.2	0.0	45.2	9.0
Total :					57.8	191.4	249.2	139.9
Promedio :	16.9	27.7	21.6	76.7				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.4	28.6	22.7	79.3	0.0	15.8	15.8	5.5
2	18.8	27.9	22.2	76.0	1.0	0.0	1.0	2.9
3	16.4	28.8	21.8	73.7	0.0	0.0	0.0	6.0
4	18.4	25.8	20.1	85.3	6.5	.3	6.8	1.0
5	17.2	26.2	20.8	78.3	.9	0.0	.9	1.7
6	17.4	25.0	20.8	83.7	.6	0.0	.6	1.5
7	17.6	27.4	20.5	80.7	6.2	21.7	27.9	2.2
8	17.0	25.4	20.0	81.3	2.3	0.0	2.3	1.6
9	16.4	27.2	21.7	80.7	1.1	0.0	1.1	5.7
10	14.8	28.4	22.6	70.3	0.0	.5	.5	7.5
11	18.6	26.6	21.6	75.0	.3	0.0	.3	1.2
12	15.9	29.4	20.9	80.3	7.8	5.2	13.0	6.5
13	17.4	23.6	19.6	89.3	41.2	.4	41.6	.4
14	16.6	25.6	20.3	81.3	0.0	0.0	0.0	1.7
15	16.4	26.8	20.2	79.7	5.8	0.0	5.8	2.0
16	17.4	23.5	19.8	90.3	1.5	2.7	4.2	.9
17	15.6	28.6	21.8	76.3	0.0	17.5	17.5	8.6
18	17.6	22.0	19.5	88.3	3.9	0.0	3.9	0.0
19	16.8	28.2	22.7	67.7	0.0	0.0	0.0	5.8
20	17.6	27.4	22.4	76.0	0.0	0.0	0.0	2.5
21	18.2	23.4	20.5	88.0	5.1	0.0	5.1	.3
22	17.6	26.8	21.3	78.0	0.0	0.0	0.0	4.2
23	17.0	24.6	20.3	83.3	.5	0.0	.5	.7
24	15.2	28.2	21.4	74.3	0.0	.3	.3	4.2
25	16.8	28.1	21.3	74.3	0.0	8.0	8.0	4.1
26	17.5	26.4	21.0	74.7	1.3	17.4	18.7	2.1
27	16.6	26.2	21.0	68.7	1.5	6.6	8.1	3.7
28	17.0	24.4	19.7	82.3	2.4	0.0	2.4	.4
29	13.9	27.5	20.2	75.3	.3	0.0	.3	5.1
30	15.8	28.1	22.5	69.3	0.0	6.1	6.1	8.0
31								
Total :					90.2	102.5	192.7	98.0
Promedio :	16.9	26.5	21.0	78.7				

Estación : PARAGUAICITO
Año : 1999

Dpto. : QUINDIO
Mpio. : BUENAVISTA

Latitud : 4 ° 23 'N
Longitud : 75 ° 44 'W
Altitud : 1250 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.8	25.8	20.4	78.0	.1	0.0	.1	1.3
2	16.8	27.2	20.7	77.0	0.0	1.0	1.0	3.0
3	17.6	25.4	21.3	78.0	.1	5.6	5.7	1.5
4	15.8	26.6	20.8	71.3	.7	0.0	.7	4.4
5	15.4	27.4	21.8	69.3	0.0	0.0	0.0	6.3
6	16.2	28.8	20.3	79.3	.1	0.0	.1	5.2
7	16.8	27.2	20.8	78.7	4.6	3.5	8.1	3.5
8	16.6	27.0	21.6	75.7	0.0	0.0	0.0	4.5
9	16.2	28.4	21.6	71.3	0.0	0.0	0.0	7.2
10	14.0	28.2	21.8	64.7	0.0	0.0	0.0	9.3
11	15.6	27.6	21.7	72.0	0.0	0.0	0.0	5.4
12	16.8	27.8	22.7	68.0	0.0	0.0	0.0	5.8
13	14.8	27.4	22.4	69.3	0.0	0.0	0.0	4.0
14	17.0	30.0	23.7	67.7	0.0	0.0	0.0	8.4
15	14.8	29.8	22.6	65.7	0.0	0.0	0.0	8.3
16	16.4	28.6	22.4	68.0	0.0	0.0	0.0	5.3
17	15.0	29.4	21.5	71.3	0.0	0.0	0.0	6.9
18	16.6	30.0	23.4	65.3	0.0	0.0	0.0	7.2
19	16.8	29.0	22.2	74.3	0.0	18.6	18.6	5.7
20	17.2	27.2	22.2	73.0	0.0	.2	.2	5.0
21	18.0	30.2	22.6	73.0	0.0	0.0	0.0	6.8
22	17.0	27.0	22.1	77.0	.1	0.0	.1	4.0
23	18.2	27.8	21.4	81.3	2.9	0.0	2.9	3.2
24	17.6	27.8	21.4	78.7	2.5	.2	2.7	5.0
25	17.0	31.0	24.0	68.0	0.0	0.0	0.0	9.6
26	16.6	28.8	23.2	71.0	0.0	0.0	0.0	3.3
27	17.8	28.4	23.0	70.3	0.0	.1	.1	5.8
28	18.2	28.8	23.9	64.7	0.0	0.0	0.0	3.8
29	17.4	27.6	22.5	71.0	0.0	0.0	0.0	3.6
30	15.6	29.6	23.4	68.0	0.0	0.0	0.0	7.5
31	17.8	28.8	23.0	73.3	.4	0.0	.4	5.5
Total :					11.5	29.2	40.7	166.3
Promedio :	16.6	28.2	22.1	72.1				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	30.2	22.1	70.0	0.0	0.0	0.0	6.2
2	15.6	29.6	22.2	73.0	.8	0.0	.8	5.5
3	16.6	26.6	20.2	79.3	.6	0.0	.6	1.6
4	16.7	27.8	22.8	66.7	0.0	0.0	0.0	5.1
5	16.4	29.8	22.5	70.3	.3	.4	.7	7.8
6	16.2	28.8	21.0	78.7	5.2	18.3	23.5	6.7
7	15.8	26.9	20.5	78.7	0.0	.8	.8	2.9
8	17.8	29.2	23.7	67.3	0.0	0.0	0.0	7.4
9	18.0	28.4	22.7	71.7	0.0	0.0	0.0	2.4
10	15.6	29.5	22.6	70.7	.1	0.0	.1	6.0
11	16.8	28.0	23.0	70.3	0.0	0.0	0.0	4.1
12	16.6	28.9	21.2	73.7	0.0	0.0	0.0	5.9
13	17.8	26.8	20.7	79.0	1.1	.4	1.5	3.7
14	18.0	27.0	21.2	76.3	4.4	8.2	12.6	3.5
15	16.9	28.0	21.9	63.0	0.0	0.0	0.0	3.9
16	15.6	29.8	21.4	72.3	0.0	0.0	0.0	5.7
17	16.8	28.6	22.4	73.7	0.0	0.0	0.0	4.8
18	15.6	29.2	22.6	71.7	0.0	0.0	0.0	8.2
19	16.2	29.2	22.6	66.0	0.0	0.0	0.0	6.4
20	15.4	28.6	22.2	70.3	0.0	0.0	0.0	6.4
21	17.0	22.6	18.6	92.3	5.3	.4	5.7	0.0
22	13.6	24.8	20.2	73.7	0.0	0.0	0.0	3.4
23	13.0	26.8	20.2	77.3	.7	0.0	.7	4.7
24	15.2	28.0	22.0	70.7	0.0	22.2	22.2	5.7
25	17.6	22.6	19.5	90.3	3.7	4.8	8.5	0.0
26	16.4	26.8	21.4	72.3	.8	.3	1.1	5.1
27	17.8	27.0	20.8	76.7	.1	0.0	.1	.7
28	15.4	26.8	20.4	79.7	.3	4.7	5.0	1.8
29	16.8	30.0	22.8	70.0	0.0	0.0	0.0	9.5
30	16.6	29.2	22.8	71.3	0.0	0.0	0.0	4.5
31	16.2	28.8	23.5	64.7	0.0	.1	.1	6.4
Total :					23.4	60.6	84.0	146.0
Promedio :	16.4	27.9	21.7	73.6				

Estación : PARAGUAICITO
Año : 1999

Dpto. : QUINDIO
Mpio. : BUENAVISTA

Latitud : 4 ° 23 'N
Longitud : 75 ° 44 'W
Altitud : 1250 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	28.6	21.0	79.0	30.0	6.9	36.9	4.5
2	17.4	25.8	20.8	75.7	0.0	0.0	0.0	1.4
3	16.4	27.8	20.7	81.3	3.5	0.0	3.5	4.0
4	16.2	26.4	20.8	77.7	0.0	.2	.2	2.1
5	17.0	24.6	20.3	82.7	0.0	0.0	0.0	.2
6	16.8	26.6	21.6	79.3	.1	.4	.5	5.2
7	17.2	28.6	21.2	75.7	.1	.5	.6	5.5
8	17.2	27.6	21.4	73.7	.3	3.3	3.6	3.5
9	17.4	25.6	21.0	78.3	.3	29.5	29.8	.9
10	17.0	25.4	20.0	85.0	.4	1.1	1.5	2.1
11	17.2	26.0	20.0	80.0	37.1	14.4	51.5	2.7
12	16.4	23.0	18.8	84.7	7.7	0.0	7.7	0.0
13	15.0	26.4	20.4	72.0	0.0	15.1	15.1	2.4
14	15.8	21.2	18.6	90.3	.9	0.0	.9	0.0
15	15.6	28.5	21.8	71.3	0.0	.3	.3	5.6
16	16.2	29.8	21.5	75.3	1.2	4.0	5.2	5.0
17	18.4	26.5	21.2	78.7	.3	0.0	.3	1.1
18	16.8	27.8	21.7	69.0	0.0	0.0	0.0	4.6
19	17.4	29.8	22.6	71.0	0.0	9.4	9.4	3.7
20	18.4	27.8	21.2	79.3	6.6	.6	7.2	4.9
21	16.6	26.2	20.4	81.0	.3	.6	.9	1.2
22	17.4	26.9	21.0	75.0	.9	0.0	.9	1.9
23	15.8	26.6	19.9	81.0	1.5	39.9	41.4	1.8
24	16.4	26.4	21.1	77.0	0.0	0.0	0.0	3.5
25	17.2	25.4	19.6	82.7	4.0	38.0	42.0	1.6
26	15.4	26.4	20.4	75.0	0.0	12.9	12.9	3.9
27	16.4	24.0	19.6	88.3	2.1	6.5	8.6	.5
28	16.6	24.2	19.4	84.7	2.0	14.0	16.0	.3
29	16.0	24.0	19.8	81.7	.2	0.0	.2	.4
30	16.2	27.4	20.3	77.7	1.2	30.7	31.9	4.3
31								
Total :					100.7	228.3	329.0	78.8
Promedio :	16.7	26.4	20.6	78.8				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.8	21.8	18.6	91.0	2.0	0.0	2.0	0.0
2	15.2	27.4	21.6	75.7	0.0	.7	.7	3.1
3	17.6	28.8	21.2	79.0	5.9	6.4	12.3	4.8
4	16.8	27.6	21.1	73.3	0.0	0.0	0.0	2.8
5	16.0	26.4	20.0	78.7	.4	2.8	3.2	1.8
6	16.6	24.4	18.9	86.0	6.7	.1	6.8	.5
7	15.4	26.0	19.3	76.7	.1	2.4	2.5	3.4
8	15.6	28.0	21.6	73.7	0.0	0.0	0.0	7.2
9	17.0	27.8	20.8	73.3	0.0	.5	.5	2.7
10	16.2	27.2	20.4	77.3	1.3	3.8	5.1	2.4
11	16.8	27.7	21.2	79.0	0.0	0.0	0.0	3.3
12	16.6	27.4	20.9	79.0	16.8	.4	17.2	5.2
13	17.0	26.4	21.3	76.3	0.0	0.0	0.0	3.1
14	16.8	27.7	22.1	71.3	0.0	0.0	0.0	3.0
15	16.6	27.4	21.0	76.7	1.5	1.0	2.5	3.8
16	17.6	26.8	20.6	80.7	1.0	0.0	1.0	1.8
17	17.4	24.2	19.6	83.3	2.9	0.0	2.9	1.1
18	14.7	27.2	20.4	77.7	.7	11.6	12.3	5.6
19	17.5	28.8	21.5	72.7	0.0	0.0	0.0	5.2
20	17.6	25.6	21.4	76.7	.7	0.0	.7	1.1
21	16.4	25.4	20.4	84.0	.3	3.1	3.4	1.0
22	17.4	25.4	20.2	82.0	2.7	1.2	3.9	0.0
23	17.2	26.6	20.6	78.0	1.7	0.0	1.7	1.7
24	17.4	28.6	21.4	77.7	0.0	6.0	6.0	3.1
25	18.0	25.8	20.3	81.3	5.9	3.4	9.3	.8
26	15.6	27.2	21.0	76.0	0.0	24.4	24.4	3.6
27	17.6	27.5	20.4	79.0	10.2	40.5	50.7	4.9
28	16.6	25.0	19.8	81.3	1.2	.7	1.9	.3
29	15.0	25.3	20.8	78.3	.7	92.4	93.1	4.1
30	16.6	24.2	19.4	85.0	4.3	0.0	4.3	.8
31	16.2	28.6	21.2	76.0	0.0	0.0	0.0	5.2
Total :					67.0	201.4	268.4	87.4
Promedio :	16.6	26.6	20.6	78.6				

Estación : PARAGUAICITO
Año : 1999

Dpto. : QUINDIO
Mpio. : BUENAVISTA

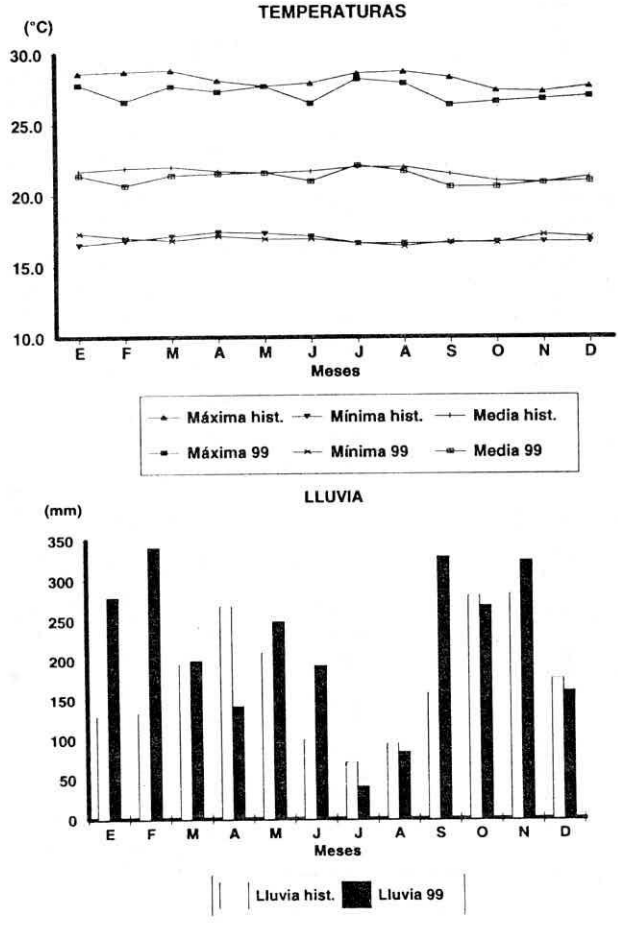
Latitud : 4 ° 23 'N
Longitud : 75 ° 44 'W
Altitud : 1250 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.6	27.9	21.8	76.7	0.0	5.9	5.9	4.7
2	17.8	28.4	21.4	80.7	8.3	10.7	19.0	5.0
3	17.2	26.6	21.2	76.3	.3	0.0	.3	2.2
4	17.8	27.0	21.1	80.7	2.6	18.8	21.4	3.3
5	17.6	27.4	21.6	77.0	0.0	0.0	0.0	2.6
6	18.6	27.2	21.1	81.0	44.2	1.2	45.4	2.7
7	16.8	26.8	20.4	81.7	8.6	11.8	20.4	2.7
8	17.8	26.4	20.4	80.0	.3	.2	.5	.8
9	16.8	28.6	22.4	73.7	0.0	0.0	0.0	5.2
10	18.2	29.4	23.2	73.0	.5	5.6	6.1	5.3
11	17.0	22.4	19.4	90.0	15.0	0.0	15.0	.1
12	16.4	26.0	20.3	80.3	3.4	17.9	21.3	3.2
13	17.3	27.0	20.8	80.3	5.9	.9	6.8	2.6
14	15.6	28.6	21.8	73.7	0.0	12.0	12.0	8.2
15	17.0	24.6	19.4	83.0	0.0	0.0	0.0	1.4
16	14.9	27.6	21.0	71.3	0.0	0.0	0.0	9.4
17	16.8	28.6	20.9	78.0	10.7	57.2	67.9	6.1
18	16.6	24.2	20.5	79.7	.3	.8	1.1	1.1
19	17.4	24.0	20.6	83.3	.1	4.5	4.6	1.6
20	17.8	25.6	20.1	86.3	4.9	11.5	16.4	1.8
21	17.0	26.0	20.2	79.0	.4	4.1	4.5	3.9
22	17.2	23.8	20.3	81.3	0.0	0.0	0.0	0.0
23	17.0	28.6	19.9	78.3	11.2	5.2	16.4	4.9
24	16.8	25.9	19.8	80.0	3.0	8.8	11.8	3.0
25	17.0	27.4	20.2	76.3	2.4	0.0	2.4	5.3
26	17.3	28.2	20.4	73.7	2.0	2.8	4.8	7.1
27	17.9	27.4	21.8	76.3	0.0	0.0	0.0	3.4
28	18.8	28.7	22.6	75.0	0.0	0.0	0.0	4.7
29	16.8	28.2	21.6	74.0	0.0	0.0	0.0	6.4
30	17.5	26.2	19.8	84.0	19.9	.4	20.3	1.1
31								
Total :					144.0	180.3	324.3	109.8
Promedio :	17.2	26.8	20.9	78.8				

Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.2	23.4	18.7	92.0	6.9	3.0	9.9	.1
2	16.8	27.6	20.9	78.3	0.0	5.8	5.8	4.1
3	17.6	25.4	20.2	84.0	0.0	0.0	0.0	.4
4	17.4	25.6	20.7	79.7	0.0	23.0	23.0	1.0
5	17.7	25.2	20.4	81.0	0.0	.6	.6	1.6
6	17.9	27.0	20.6	77.3	1.0	.4	1.4	3.7
7	17.8	27.9	21.6	75.7	0.0	0.0	0.0	4.1
8	17.2	27.6	22.1	76.7	0.0	0.0	0.0	4.3
9	17.8	29.6	21.9	77.3	1.6	.1	1.7	6.6
10	18.2	25.8	20.6	86.0	.1	0.0	.1	2.5
11	16.7	26.8	20.6	80.0	1.0	0.0	1.0	4.6
12	17.8	24.4	20.7	84.7	4.7	11.8	16.5	.7
13	16.9	26.6	21.2	76.0	.4	2.0	2.4	1.4
14	18.5	28.0	21.8	78.7	4.1	11.5	15.6	3.9
15	17.6	26.0	21.0	79.3	0.0	6.5	6.5	1.9
16	17.8	26.4	21.0	80.0	0.0	4.6	4.6	1.5
17	17.9	25.4	21.0	80.0	0.0	24.4	24.4	1.1
18	17.6	27.4	21.0	80.7	1.4	.1	1.5	4.5
19	18.4	26.6	21.0	79.7	.7	4.3	5.0	2.5
20	18.2	28.2	21.6	80.0	0.0	11.5	11.5	4.1
21	18.4	27.8	22.0	80.7	4.0	10.4	14.4	3.5
22	18.0	26.4	20.8	83.0	2.3	4.4	6.7	.8
23	17.6	27.7	21.7	75.7	0.0	.3	.3	5.0
24	16.7	28.0	20.4	78.0	4.4	3.1	7.5	4.3
25	16.4	26.9	20.1	73.3	0.0	0.0	0.0	2.6
26	14.1	27.8	21.4	69.7	0.0	0.0	0.0	7.7
27	15.0	28.2	21.2	70.3	0.0	0.0	0.0	9.4
28	15.8	27.8	21.0	70.3	0.0	0.0	0.0	8.4
29	13.8	27.2	21.2	69.7	0.0	0.0	0.0	7.4
30	14.2	28.0	21.6	70.7	0.0	0.0	0.0	7.6
31	15.4	29.8	22.2	70.0	0.0	.5	.5	7.9
Total :					32.6	128.3	160.9	119.2
Promedio :	17.0	27.0	21.0	78.0				

Estación : PARAGUAICITO **Dpto. :** QUINDIO **Latitud :** 4 ° 23 'N
Año : 1999 **Mpio. :** BUENAVISTA **Longitud :** 75 ° 44 'W
Altitud : 1250 **m**

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	17.3	27.8	21.4	30.9	15.4	76.0	278.6	23	104.8
Febrero	17.0	26.6	20.7	31.0	14.8	78.7	340.6	24	83.8
Marzo	16.8	27.7	21.4	30.0	14.8	75.8	199.0	24	122.6
Abril	17.1	27.3	21.5	31.2	14.8	77.6	141.7	22	109.6
Mayo	16.9	27.7	21.6	30.6	14.8	76.7	249.2	18	139.9
Junio	16.9	26.5	21.0	29.4	13.9	78.7	192.7	25	98.0
Julio	16.6	28.2	22.1	31.0	14.0	72.1	40.7	13	166.3
Agosto	16.4	27.9	21.7	30.2	13.0	73.6	84.0	16	146.0
Septiembre	16.7	26.4	20.6	29.8	15.0	78.8	329.0	26	78.8
Octubre	16.6	26.6	20.6	28.8	14.7	78.6	268.4	24	87.4
Noviembre	17.2	26.8	20.9	29.4	14.9	78.8	324.3	22	109.8
Diciembre	17.0	27.0	21.0	29.8	13.8	78.0	160.9	22	119.2
Promedio :	16.9	27.2	21.2			76.9			
Absoluta :				31.2	13.0				
Total :							2609.1	259	1366.2



Estación : OSPIRMA
Año : 1999

Dpto. : RISARALDA
Mpio. : GUATICA

Latitud : 5 ° 20 'N
Longitud : 75 ° 49 'W
Altitud : 1680 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.8	24.6	19.1	84.3	0.0	1.2	1.2	6.6
2	15.4	25.0	18.9	83.7	2.7	3.0	5.7	5.7
3	15.6	24.6	17.8	87.0	12.1	1.1	13.2	4.6
4	15.1	25.0	19.0	84.3	0.0	4.4	4.4	6.4
5	15.0	21.2	17.0	90.7	7.8	0.0	7.8	.4
6	14.5	23.2	17.2	93.0	5.0	0.0	5.0	2.5
7	15.3	25.4	18.8	81.7	0.0	0.0	0.0	3.1
8	14.5	23.2	18.2	84.7	0.0	1.0	1.0	1.6
9	15.0	22.4	17.7	84.0	0.0	0.0	0.0	.4
10	15.8	21.8	16.6	97.3	13.0	4.0	17.0	.6
11	15.5	22.8	17.5	84.0	3.0	0.0	3.0	1.4
12	14.2	19.4	16.4	88.7	4.0	0.0	4.0	.7
13	14.1	24.2	18.4	76.7	0.0	1.0	1.0	7.2
14	14.3	23.9	17.5	83.0	0.0	0.0	0.0	3.3
15	12.6	24.7	16.8	73.7	0.0	0.0	0.0	9.0
16	14.5	21.0	16.4	88.0	2.0	0.0	2.0	.1
17	14.6	24.4	17.8	78.3	0.0	0.0	0.0	6.5
18	15.8	25.8	19.8	78.0	0.0	0.0	0.0	6.5
19	14.8	23.8	18.1	80.0	3.0	9.0	12.0	5.0
20	15.4	24.0	18.7	85.7	7.0	1.0	8.0	4.8
21	15.5	25.2	19.5	77.7	0.0	0.0	0.0	7.5
22	14.8	24.0	17.7	86.0	1.0	0.0	1.0	2.6
23	15.0	25.2	18.7	82.7	4.0	0.0	4.0	6.0
24	14.4	22.9	18.6	83.0	0.0	1.0	1.0	3.0
25	15.2	23.2	18.2	81.0	0.0	0.0	0.0	3.3
26	15.6	24.8	19.0	78.3	0.0	0.0	0.0	4.1
27	15.7	22.4	18.0	88.3	0.0	5.0	5.0	.9
28	15.7	21.2	17.5	93.7	10.0	0.0	10.0	0.0
29	15.0	25.0	19.6	77.0	0.0	0.0	0.0	5.9
30	15.7	26.2	19.9	71.3	0.0	0.0	0.0	8.8
31	15.2	24.6	19.3	83.7	4.0	0.0	4.0	3.3
Total :					78.6	31.7	110.3	121.8
Promedio :	15.0	23.7	18.2	83.5				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.5	23.6	19.4	80.7	1.0	0.0	1.0	.1
2	15.9	21.8	17.9	88.7	9.0	0.0	9.0	6.7
3	15.0	23.5	18.7	84.7	0.0	25.0	25.0	2.3
4	15.4	23.8	18.4	87.0	0.0	0.0	0.0	1.8
5	15.8	23.4	18.7	85.0	0.0	2.0	2.0	.3
6	15.6	21.6	17.8	86.0	6.0	0.0	6.0	.9
7	15.4	23.2	18.0	87.0	3.0	0.0	3.0	2.7
8	15.7	25.6	19.6	81.7	3.0	2.0	5.0	1.9
9	15.0	25.8	20.5	74.0	0.0	7.0	7.0	9.4
10	15.2	20.8	17.7	93.0	1.0	0.0	1.0	.1
11	15.9	26.0	19.8	74.3	0.0	7.0	7.0	6.3
12	15.6	22.8	18.3	81.0	0.0	0.0	0.0	.5
13	14.8	23.3	17.4	90.7	6.0	0.0	6.0	1.2
14	15.2	22.2	17.8	84.0	9.0	6.0	15.0	2.3
15	15.5	23.2	17.5	87.0	18.0	0.0	18.0	.5
16	14.8	21.8	17.4	90.0	1.0	22.0	23.0	.3
17	14.6	22.6	17.1	86.7	14.0	3.0	17.0	1.1
18	14.5	22.4	17.4	86.0	0.0	.7	.7	2.3
19	15.0	23.8	18.2	79.0	.6	4.1	4.7	4.0
20	15.4	22.4	17.7	82.7	8.9	0.0	8.9	1.4
21	14.1	23.8	18.1	74.7	0.0	3.7	3.7	2.0
22	15.0	22.0	16.7	85.0	3.6	1.3	4.9	1.3
23	14.5	21.6	17.1	87.7	10.0	3.8	13.8	.5
24	15.3	22.6	18.0	85.0	5.2	25.9	31.1	2.2
25	14.0	24.2	18.3	83.7	.5	0.0	.5	5.0
26	15.6	24.8	18.3	77.0	.4	1.2	1.6	5.0
27	13.8	23.8	17.4	90.0	1.1	.5	1.6	1.6
28	15.5	20.2	17.2	88.3	3.2	19.9	23.1	0.0
29								
30								
31								
Total :					104.5	135.1	239.6	63.7
Promedio :	15.2	23.1	18.1	84.3				

Estación : OSPIRMA
Año : 1999

Dpto. : RISARALDA
Mpio. : GUATICA

Latitud : 5 ° 20 'N
Longitud : 75 ° 49 'W
Altitud : 1680 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	13.6	22.6	16.8	83.7	6.5	0.0	6.5	2.3
2	14.0	23.4	17.4	79.7	0.0	0.0	0.0	5.3
3	15.6	25.0	18.6	78.7	2.2	.1	2.3	5.9
4	14.6	23.2	17.6	81.7	.4	.1	.5	3.4
5	14.4	26.4	19.2	74.7	0.0	0.0	0.0	9.8
6	14.8	25.7	19.8	75.7	0.0	1.1	1.1	8.3
7	15.2	23.4	18.5	75.7	.9	0.0	.9	3.9
8	14.2	24.8	18.8	75.0	0.0	0.0	0.0	7.2
9	15.8	21.8	17.9	86.0	.7	.2	.9	.4
10	15.0	24.6	18.3	76.7	.3	1.8	2.1	3.6
11	14.4	26.2	19.6	72.3	0.0	0.0	0.0	4.8
12	15.4	27.0	20.7	68.7	0.0	0.0	0.0	5.5
13	16.0	25.4	19.1	75.3	0.0	0.0	0.0	2.0
14	14.0	25.6	18.8	75.3	6.4	20.9	27.3	6.4
15	15.0	25.8	17.8	83.7	1.2	6.1	7.3	2.3
16	15.2	24.0	17.7	83.0	1.8	4.9	6.7	2.4
17	15.8	24.7	19.1	81.3	.5	14.7	15.2	3.3
18	15.0	22.8	18.2	75.0	0.0	0.0	0.0	1.3
19	15.9	23.4	17.8	80.7	0.0	1.1	1.1	3.3
20	14.3	21.8	17.9	82.7	0.0	0.0	0.0	2.5
21	15.4	23.0	18.3	80.0	0.0	0.0	0.0	1.8
22	15.0	23.4	18.6	81.0	0.0	.1	.1	2.5
23	15.4	24.4	19.0	79.7	.4	28.1	28.5	4.5
24	16.2	25.6	19.4	79.3	0.0	.3	.3	3.2
25	15.2	26.6	20.6	74.3	0.0	0.0	0.0	6.5
26	15.4	26.4	20.5	68.0	0.0	0.0	0.0	5.2
27	17.1	23.0	18.4	87.7	6.1	0.0	6.1	.3
28	16.0	23.4	18.4	80.7	7.8	16.2	24.0	.4
29	14.6	25.0	17.4	77.7	20.6	0.0	20.6	6.2
30	16.2	25.2	20.1	69.3	0.0	2.0	2.0	6.6
31	15.6	25.4	19.8	80.7	.4	0.0	.4	4.3
Total :					56.2	97.7	153.9	125.4
Promedio :	15.2	24.5	18.7	78.2				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.2	25.8	20.3	69.3	0.0	0.0	0.0	3.3
2	16.2	26.8	21.0	73.7	0.0	23.8	23.8	5.1
3	15.0	19.0	16.4	89.7	1.6	0.0	1.6	0.0
4	14.4	24.6	19.0	69.0	0.0	1.1	1.1	6.6
5	15.2	24.9	18.7	76.7	0.0	0.0	0.0	6.3
6	14.8	25.8	19.3	74.7	0.0	21.2	21.2	7.0
7	15.2	24.8	19.1	83.0	1.6	49.2	50.8	2.5
8	15.3	24.0	19.1	81.0	4.6	27.8	32.4	1.6
9	15.0	22.5	18.0	85.3	8.2	.3	8.5	0.0
10	14.8	21.2	17.4	84.3	11.4	35.8	47.2	0.0
11	15.5	25.0	19.9	78.0	0.0	7.5	7.5	4.5
12	15.7	24.6	18.8	80.0	0.0	14.4	14.4	4.8
13	14.8	26.4	18.6	80.0	0.0	15.1	15.1	6.5
14	15.8	25.4	19.1	81.3	3.0	2.0	5.0	3.9
15	15.4	25.4	18.9	77.0	1.9	0.0	1.9	6.2
16	15.0	27.2	20.2	65.3	0.0	0.0	0.0	10.4
17	14.7	26.6	19.4	67.3	0.0	0.0	0.0	9.8
18	14.5	27.2	19.9	61.3	0.0	0.0	0.0	6.3
19	14.0	27.8	20.1	69.7	0.0	0.0	0.0	8.0
20	16.4	25.8	19.4	75.3	18.7	.1	18.8	3.4
21	14.6	26.2	19.9	71.7	0.0	0.0	0.0	8.3
22	15.1	28.2	21.8	66.3	0.0	8.1	8.1	8.7
23	16.6	24.2	19.6	80.3	0.0	4.2	4.2	.4
24	15.8	23.8	18.0	78.3	.5	7.2	7.7	1.0
25	15.2	23.9	17.9	81.7	3.1	4.2	7.3	1.7
26	15.7	22.6	17.9	88.7	8.9	5.3	14.2	1.3
27	15.5	23.6	17.8	83.0	2.8	0.0	2.8	1.8
28	14.3	24.4	18.5	74.7	2.2	.1	2.3	3.1
29	15.6	26.4	19.2	73.0	32.6	1.3	33.9	5.8
30	15.1	18.2	16.1	91.3	8.1	0.0	8.1	0.0
31								
Total :					109.2	228.7	337.9	128.3
Promedio :	15.2	24.7	19.0	77.0				

Estación : OSPIRMA
Año : 1999

Dpto. : RISARALDA
Mpio. : GUATICA

Latitud : 5 ° 20 'N
Longitud : 75 ° 49 'W
Altitud : 1680 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	12.8	26.0	18.6	75.0	0.0	1.9	1.9	7.0
2	15.2	21.0	17.5	87.3	4.5	0.0	4.5	.8
3	14.9	24.8	18.9	74.7	0.0	8.0	8.0	5.9
4	15.5	22.0	17.7	83.3	7.7	0.0	7.7	.7
5	15.4	23.4	18.5	75.3	1.3	18.9	20.2	7.6
6	14.9	23.4	19.0	79.7	.3	14.4	14.7	6.9
7	14.5	25.2	18.4	80.0	1.8	2.3	4.1	4.0
8	14.6	23.4	17.6	90.7	1.1	0.0	1.1	4.8
9	14.9	24.1	18.6	78.0	.1	.5	.6	3.3
10	13.7	23.4	18.3	75.7	0.0	0.0	0.0	8.2
11	14.9	20.6	17.1	84.3	10.1	3.7	13.8	1.1
12	14.5	24.2	18.0	74.0	0.0	19.4	19.4	6.2
13	14.0	23.4	18.0	83.0	3.1	1.7	4.8	3.0
14	15.0	24.7	19.2	74.0	0.0	.7	.7	4.8
15	15.6	24.7	18.9	75.3	0.0	0.0	0.0	6.3
16	15.0	25.2	19.6	79.0	0.0	6.8	6.8	8.7
17	15.2	25.0	18.8	79.7	0.0	0.0	0.0	7.6
18	15.8	24.1	18.2	83.7	1.1	.9	2.0	3.6
19	15.4	25.2	18.9	79.7	.8	1.3	2.1	5.0
20	15.0	24.6	18.6	76.7	1.9	3.5	5.4	4.6
21	15.5	24.8	18.7	75.3	2.6	3.5	6.1	5.5
22	15.9	25.6	19.7	77.3	1.1	0.0	1.1	3.2
23	16.2	25.3	19.8	77.7	0.0	0.0	0.0	9.4
24	16.2	26.8	20.5	71.0	0.0	0.0	0.0	8.6
25	15.8	25.9	19.4	73.7	0.0	.2	.2	7.4
26	14.8	26.0	19.5	77.3	0.0	0.0	0.0	8.0
27	15.8	25.0	19.4	74.3	0.0	0.0	0.0	7.0
28	16.8	23.8	19.3	84.7	0.0	0.0	0.0	2.3
29	16.5	24.8	19.2	82.3	.5	2.5	3.0	3.1
30	15.3	25.2	19.4	72.3	1.2	0.0	1.2	4.5
31	15.0	26.4	20.6	68.0	0.0	4.7	4.7	7.1
Total :					39.2	94.9	134.1	166.2
Promedio :	15.2	24.5	18.8	78.2				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.4	25.6	19.8	77.0	0.0	26.7	26.7	7.2
2	14.9	24.9	19.4	82.7	0.0	0.0	0.0	3.8
3	15.2	26.2	20.6	67.7	0.0	.2	.2	8.0
4	15.6	23.5	18.0	83.3	1.1	13.3	14.4	1.5
5	15.4	25.0	18.1	83.3	1.7	0.0	1.7	1.2
6	15.2	22.4	17.4	87.7	14.2	4.0	18.2	4.3
7	16.0	23.0	18.2	83.0	1.5	1.5	3.0	2.5
8	15.5	23.2	18.0	84.0	1.2	1.7	2.9	3.3
9	15.7	25.6	19.4	77.3	2.9	1.5	4.4	4.1
10	14.5	25.2	19.5	78.0	0.0	11.2	11.2	9.6
11	15.8	22.8	18.0	79.7	2.2	0.0	2.2	3.8
12	15.8	25.4	19.1	77.3	0.0	0.0	0.0	4.1
13	15.2	21.8	17.6	86.0	1.3	8.8	10.1	.9
14	14.5	24.0	17.8	78.0	3.4	0.0	3.4	3.5
15	15.7	24.4	18.4	81.7	6.4	.9	7.3	3.6
16	14.9	23.2	17.6	82.7	6.0	0.0	6.0	2.3
17	15.2	25.2	18.9	79.3	0.0	3.1	3.1	4.7
18	14.6	21.4	17.0	86.7	3.2	1.0	4.2	.3
19	15.0	24.4	18.5	82.0	.5	0.0	.5	3.4
20	15.6	24.2	18.5	79.0	0.0	.3	.3	4.6
21	15.6	21.4	18.4	89.0	2.1	2.6	4.7	0.0
22	15.3	25.0	19.2	78.3	0.0	0.0	0.0	6.9
23	14.6	25.2	19.3	76.7	.2	0.0	.2	6.4
24	15.0	24.2	19.0	74.7	0.0	29.8	29.8	3.3
25	13.5	25.4	19.2	77.3	0.0	3.2	3.2	3.2
26	14.8	23.4	18.1	79.3	1.9	7.4	9.3	3.8
27	14.5	23.6	17.6	81.3	1.3	19.8	21.1	2.1
28	14.8	23.4	17.3	84.7	5.6	0.0	5.6	1.3
29	14.1	23.8	17.8	77.7	.3	.2	.5	5.0
30	15.3	25.0	19.2	71.7	0.0	.1	.1	8.3
31								
Total :					57.0	137.3	194.3	117.0
Promedio :	15.1	24.1	18.5	80.2				

Estación : OSPIRMA
Año : 1999

Dpto. : RISARALDA
Mpio. : GUATICA

Latitud : 5 ° 20 'N
Longitud : 75 ° 49 'W
Altitud : 1680 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.8	23.8	18.2	79.7	0.0	31.0	31.0	3.2
2	13.9	23.0	18.4	75.0	0.0	11.8	11.8	5.4
3	13.3	22.4	17.0	77.3	0.0	5.9	5.9	1.8
4	14.2	24.7	18.3	82.7	0.0	.4	.4	8.1
5	14.2	23.8	18.0	76.0	0.0	0.0	0.0	7.4
6	13.6	23.6	18.3	78.0	0.0	12.8	12.8	7.0
7	14.8	23.8	17.3	86.3	2.5	.2	2.7	3.1
8	14.9	24.4	19.4	70.3	0.0	1.0	1.0	6.3
9	15.1	24.5	18.0	74.3	.2	0.0	.2	8.0
10	14.4	25.4	19.2	73.3	0.0	0.0	0.0	9.4
11	15.2	24.4	17.8	80.3	0.0	10.1	10.1	6.3
12	15.6	24.8	18.7	78.3	0.0	0.0	0.0	4.4
13	14.5	26.2	20.0	71.7	0.0	0.0	0.0	8.3
14	14.8	26.8	19.6	72.0	0.0	0.0	0.0	9.6
15	14.5	26.0	19.0	69.0	0.0	11.1	11.1	8.9
16	15.3	24.2	18.5	75.7	0.0	0.0	0.0	4.8
17	14.9	26.0	18.8	74.0	1.7	7.7	9.4	9.7
18	13.8	25.6	18.8	79.7	0.0	0.0	0.0	6.3
19	15.0	25.4	20.1	68.7	0.0	8.4	8.4	7.4
20	15.1	25.0	19.1	78.7	0.0	32.2	32.2	7.3
21	13.2	25.4	19.1	77.7	0.0	0.0	0.0	7.9
22	14.8	25.4	19.0	71.0	0.0	0.0	0.0	5.3
23	15.4	24.2	18.2	79.0	11.3	2.1	13.4	5.1
24	14.6	24.6	18.8	76.3	0.0	0.0	0.0	6.0
25	16.0	26.8	19.8	71.0	0.0	0.0	0.0	8.5
26	15.5	26.0	20.1	70.7	0.0	18.4	18.4	7.3
27	15.0	25.4	19.7	79.7	0.0	.3	.3	6.8
28	15.6	25.0	19.0	74.3	0.0	.1	.1	6.8
29	16.0	25.7	19.8	78.7	0.0	0.0	0.0	1.6
30	15.6	25.8	20.0	74.7	0.0	14.7	14.7	8.9
31	15.4	25.8	19.1	74.3	7.4	.6	8.0	6.7
Total					23.1	168.8	191.9	203.6
Promedio	14.8	25.0	18.9	75.8				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.8	26.8	19.7	72.7	0.0	.6	.6	7.8
2	16.3	23.8	19.4	76.3	2.3	.5	2.8	6.1
3	15.3	23.8	18.6	76.3	0.0	.5	.5	5.7
4	15.0	24.8	18.8	76.7	0.0	10.3	10.3	5.4
5	15.1	26.0	19.3	75.7	0.0	.4	.4	7.7
6	14.8	24.8	19.4	74.3	.6	29.9	30.5	4.6
7	13.8	24.2	18.5	74.0	0.0	0.0	0.0	6.3
8	15.4	26.1	19.3	75.0	.3	0.0	.3	6.3
9	15.7	23.8	18.9	71.7	0.0	0.0	0.0	3.1
10	14.9	26.6	19.5	72.3	3.0	0.0	3.0	5.8
11	15.5	25.6	19.4	74.7	0.0	0.0	0.0	7.4
12	15.8	25.8	19.8	74.0	.3	0.0	.3	5.2
13	15.5	24.5	18.7	75.3	1.2	.8	2.0	5.6
14	15.3	23.8	18.3	73.7	.6	15.0	15.6	4.0
15	14.0	24.4	18.9	66.7	0.0	0.0	0.0	5.2
16	16.0	27.0	20.1	65.7	.2	0.0	.2	8.7
17	14.0	24.4	18.7	73.0	0.0	2.8	2.8	5.8
18	15.0	24.8	19.4	74.3	0.0	9.3	9.3	4.1
19	14.6	24.0	18.7	73.3	0.0	0.0	0.0	6.3
20	15.8	25.6	19.6	69.7	0.0	11.4	11.4	8.0
21	13.4	21.1	16.2	83.7	3.2	1.0	4.2	1.7
22	14.1	24.6	18.8	74.0	.1	0.0	.1	5.7
23	14.5	24.0	18.1	78.3	1.4	0.0	1.4	2.4
24	14.7	23.8	17.6	85.3	0.0	0.0	0.0	3.3
25	14.0	22.7	17.0	82.3	49.3	1.4	50.7	.7
26	15.0	24.4	18.1	81.0	.2	17.1	17.3	3.6
27	15.8	24.2	18.6	82.7	3.2	0.0	3.2	4.2
28	16.0	21.6	17.9	91.0	3.5	0.0	3.5	0.0
29	15.6	26.4	20.2	71.0	0.0	.4	.4	9.0
30	16.6	24.5	19.5	73.3	0.0	0.0	0.0	3.7
31	14.0	25.8	18.8	71.0	0.0	2.4	2.4	4.9
Total					69.4	103.8	173.2	158.3
Promedio	15.0	24.6	18.8	75.5				

Estación : OSPIRMA
Año : 1999

Dpto. : RISARALDA
Mpio. : GUATICA

Latitud : 5 ° 20 'N
Longitud : 75 ° 49 'W
Altitud : 1680 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	23.7	18.2	78.0	1.2	19.3	20.5	5.3
2	14.8	24.4	18.4	81.3	1.5	1	1.6	4.4
3	15.1	24.9	18.4	83.7	4.9	0.0	4.9	.6
4	14.3	24.6	18.4	78.0	0.0	1.7	1.7	4.9
5	14.8	24.0	18.7	74.3	.9	0.0	.9	2.8
6	14.3	26.2	19.1	74.3	0.0	0.0	0.0	8.6
7	15.1	24.4	19.2	75.0	0.0	2.7	2.7	4.2
8	14.2	23.4	18.1	72.0	0.0	.5	.5	4.5
9	14.0	23.2	18.0	78.7	1.9	12.2	14.1	3.6
10	14.4	23.4	18.0	84.3	15.5	0.0	15.5	1.4
11	15.5	23.2	17.6	82.7	20.1	9.2	29.3	2.5
12	14.5	23.6	17.4	82.3	10.1	1.4	11.5	3.5
13	14.6	23.4	17.7	73.3	0.0	18.0	18.0	4.2
14	14.4	20.6	17.5	73.0	.5	2.5	3.0	0.0
15	14.9	22.4	17.8	87.7	.8	0.0	.8	.6
16	14.5	25.2	19.2	72.7	0.0	17.3	17.3	7.1
17	15.4	22.8	18.2	81.0	.8	0.0	.8	1.0
18	14.0	24.5	19.5	68.0	0.0	0.0	0.0	9.7
19	15.8	25.2	19.3	76.7	0.0	3.1	3.1	3.7
20	15.4	24.8	17.7	87.3	12.6	18.5	31.1	4.0
21	13.9	24.0	18.6	76.3	0.0	23.6	23.6	6.2
22	14.8	24.6	18.4	73.0	0.0	0.0	0.0	3.8
23	14.9	23.6	17.2	84.0	2.7	0.0	2.7	.7
24	14.0	23.4	17.5	82.0	2.4	16.5	18.9	3.8
25	14.5	23.6	18.0	76.0	0.0	1.6	1.6	3.1
26	13.4	22.4	16.9	84.0	.3	.3	.6	3.3
27	14.8	22.8	17.2	85.3	3.9	.9	4.8	2.3
28	13.8	22.2	17.5	82.7	2.3	14.2	16.5	.3
29	14.0	22.6	18.0	79.3	0.0	0.0	0.0	2.4
30	15.2	24.4	17.7	82.7	0.0	5.6	5.6	3.7
31								
Total :					82.4	169.2	251.6	106.2
Promedio :	14.6	23.7	18.1	79.0				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.5	23.4	17.7	80.7	.9	0.0	.9	2.1
2	15.0	23.7	17.7	83.7	0.0	0.0	0.0	1.7
3	14.4	25.8	19.0	73.?	0.0	16.8	16.8	5.9
4	15.0	24.6	18.6	80.7	0.0	0.0	0.0	3.8
5	15.5	25.4	18.9	72.7	.1	3.2	3.3	2.1
6	14.6	20.6	16.4	81.7	1.6	1.0	2.6	.3
7	13.4	24.0	17.6	73.3	0.0	0.0	0.0	5.8
8	14.6	25.4	19.1	77.3	0.0	3.0	3.0	6.0
9	15.2	24.6	19.0	79.3	0.0	.3	.3	4.4
10	15.4	23.2	18.4	79.3	1.5	1.3	2.8	2.7
11	14.0	24.2	17.5	82.3	1.1	10.0	11.1	5.8
12	14.8	25.4	18.5	79.3	.8	0.0	.8	7.0
13	15.0	25.0	18.3	74.0	.3	0.0	.3	7.7
14	15.4	24.6	18.8	78.0	0.0	19.8	19.8	5.2
15	15.0	24.2	18.2	78.7	.3	18.0	18.3	3.4
16	14.5	23.6	18.2	84.7	0.0	0.0	0.0	1.6
17	15.8	22.0	17.3	82.7	0.0	0.0	0.0	1.7
18	14.0	24.2	18.1	76.3	.3	2.1	2.4	4.9
19	15.2	24.9	18.5	78.3	0.0	12.2	12.2	5.9
20	15.4	24.6	18.6	79.7	4.4	0.0	4.4	4.2
21	15.5	25.6	19.2	76.7	1.5	2.5	4.0	3.6
22	15.8	22.8	18.0	84.0	4.5	6.1	10.6	2.4
23	15.2	23.0	18.2	84.0	.3	0.0	.3	1.9
24	16.1	24.6	18.6	78.7	.4	.1	.5	2.6
25	16.0	21.2	17.2	92.0	19.9	0.0	19.9	0.0
26	15.1	24.6	18.9	73.7	0.0	15.5	15.5	2.4
27	15.5	23.0	17.5	86.0	0.0	.9	.9	4.3
28	15.0	22.2	17.4	87.3	3.0	1.9	4.9	1.1
29	14.2	23.9	18.2	80.7	1.5	5.0	6.5	3.7
30	15.0	23.4	18.0	84.0	13.1	0.0	13.1	1.8
31	14.8	24.6	18.7	77.0	0.0	0.0	0.0	6.5
Total :					55.5	119.7	175.2	112.5
Promedio :	15.0	23.9	18.2	80.0				

Estación : OSPIRMA
Año : 1999

Dpto. : RISARALDA
Mpio. : GUATICA

Latitud : 5 ° 20 'N
Longitud : 75 ° 49 'W
Altitud : 1680 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.8	24.8	18.1	77.3	0.0	1.4	1.4	3.4
2	15.5	23.5	18.5	78.0	0.0	1.4	1.4	1.2
3	15.4	24.4	18.3	82.0	0.0	0.0	0.0	5.6
4	15.3	24.5	18.0	85.3	.2	3.9	4.1	4.6
5	14.4	25.2	18.9	77.3	2.3	1.9	4.2	5.9
6	16.0	24.6	19.0	80.7	1.1	.2	1.3	3.5
7	15.4	23.2	18.3	81.3	0.0	4.2	4.2	3.2
8	15.8	22.6	18.0	84.7	7.2	0.0	7.2	2.0
9	16.2	25.0	19.5	79.3	.1	7.1	7.2	7.6
10	16.8	25.8	20.5	78.0	0.0	8.2	8.2	7.2
11	15.7	24.6	17.6	82.0	.7	.2	.9	1.1
12	15.6	23.4	18.6	82.3	0.0	17.2	17.2	.6
13	15.8	24.6	17.5	84.0	25.2	.7	25.9	1.0
14	14.5	24.8	19.2	75.0	0.0	1.0	1.0	9.5
15	15.2	21.6	16.1	88.3	.3	.7	1.0	1.4
16	14.7	26.4	19.4	75.3	0.0	1.9	1.9	6.7
17	14.2	23.2	18.2	84.3	2.0	4.2	6.2	6.9
18	15.4	22.8	17.6	84.0	14.2	4.4	18.6	1.7
19	15.0	21.4	17.8	86.7	.2	2.1	2.3	.8
20	15.2	21.6	17.2	85.7	.2	1.5	1.7	.9
21	15.0	21.8	17.4	85.3	2.5	3.5	6.0	1.0
22	15.3	20.4	17.2	92.7	7.7	3.2	10.9	.3
23	14.8	23.7	18.2	81.3	1.0	3.0	4.0	6.0
24	15.1	21.2	17.4	81.7	1.9	20.2	22.1	1.5
25	14.2	23.4	17.8	79.3	0.0	.8	.8	5.8
26	14.0	23.7	18.0	83.3	4.7	0.0	4.7	6.4
27	14.2	24.8	18.5	77.3	0.0	0.0	0.0	7.2
28	15.2	25.8	19.2	79.0	0.0	0.0	0.0	6.6
29	14.8	25.2	19.3	74.0	0.0	1.0	1.0	6.7
30	16.0	24.2	19.0	77.0	.3	8.2	8.5	2.4
31								
Total :					71.8	102.1	173.9	118.7
Promedio :	15.2	23.7	18.3	81.4				

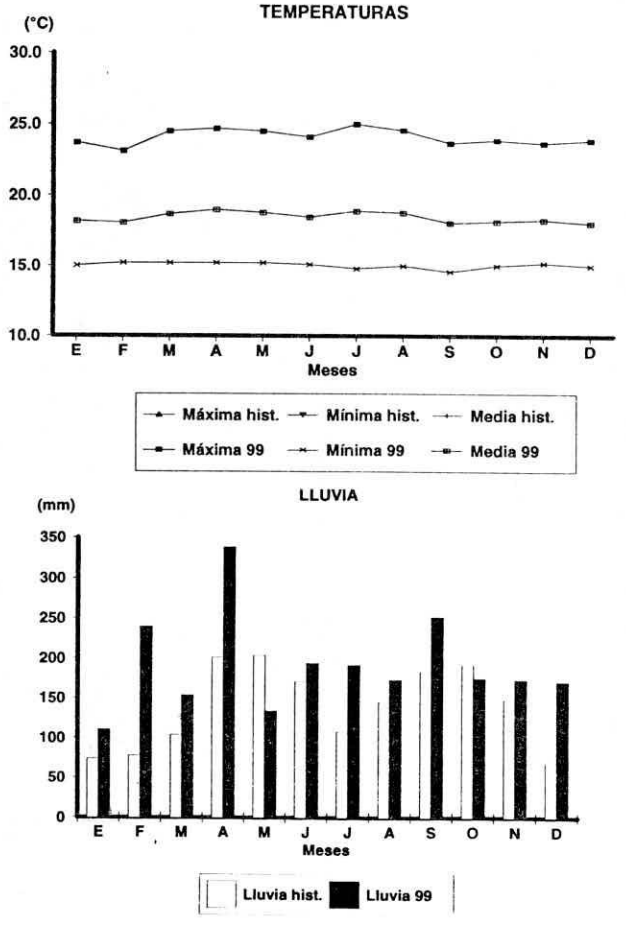
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.6	19.6	16.2	86.3	2.2	0.0	2.2	0.0
2	14.4	22.9	17.3	87.0	3.7	0.0	3.7	3.0
3	15.0	23.5	17.5	81.3	.7	7.7	8.4	1.7
4	15.8	23.6	18.6	82.7	.8	13.2	14.0	4.0
5	15.3	23.2	18.1	79.7	0.0	0.0	0.0	5.5
6	15.0	23.7	17.5	87.0	2.5	.7	3.2	4.2
7	15.8	23.4	18.2	88.0	1.0	0.0	1.0	4.5
8	15.7	25.2	19.2	77.3	0.0	0.0	0.0	8.3
9	16.0	26.5	19.8	75.3	0.0	22.0	22.0	7.0
10	15.6	23.4	18.2	80.0	0.0	0.0	0.0	1.2
11	15.2	24.9	18.6	80.3	.1	0.0	.1	4.0
12	15.6	25.0	18.7	79.3	1.4	2.5	3.9	3.9
13	15.4	23.8	17.5	86.7	3.4	1.9	5.3	4.2
14	15.8	23.8	18.0	85.7	0.0	.2	.2	3.7
15	15.1	24.6	18.4	79.3	.4	1.3	1.7	4.3
16	15.5	24.5	18.7	78.0	0.0	5.8	5.8	4.2
17	15.8	24.6	18.5	79.7	0.0	8.3	8.3	6.3
18	15.4	23.8	18.8	81.3	0.0	11.0	11.0	4.8
19	14.8	25.4	19.1	75.3	0.0	1.4	1.4	8.0
20	16.0	24.0	18.6	85.3	.7	0.0	.7	3.0
21	15.6	23.8	18.9	81.3	0.0	1.1	1.1	4.6
22	16.4	21.4	17.8	92.7	6.2	.5	6.7	.3
23	14.0	24.4	17.3	79.7	0.0	6.2	6.2	7.8
24	14.8	22.4	17.2	85.7	9.7	54.1	63.8	.6
25	14.2	22.0	17.0	76.0	0.0	0.0	0.0	4.0
26	13.2	24.6	17.7	73.7	0.0	0.0	0.0	7.6
27	14.7	24.5	17.9	76.7	0.0	0.0	0.0	6.9
28	14.0	24.4	17.6	78.0	0.0	0.0	0.0	7.3
29	13.1	23.4	17.0	78.0	0.0	0.0	0.0	4.8
30	12.6	25.4	18.0	77.3	0.0	.2	.2	8.5
31	14.5	25.2	18.5	76.3	0.0	.4	.4	8.0
Total :					32.8	138.5	171.3	146.2
Promedio :	15.0	23.9	18.1	81.0				

Estación : OSPIRMA
Año : 1999

Dpto. : RISARALDA
Mpio. : GUATICA

Latitud : 5 ° 20 'N
Longitud : 75 ° 49 'W
Altitud : 1680 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel (%	Total mm	Dias Lluvia	Brillo Sol. (h)
Enero	15.0	23.7	18.2	26.2	12.6	83.5	110.3	20	121.8
Febrero	15.2	23.1	18.1	26.0	13.8	84.3	239.6	26	63.7
Marzo	15.2	24.5	18.7	27.0	13.6	78.2	153.9	20	125.4
Abril	15.2	24.7	19.0	28.2	14.0	77.0	337.9	23	128.3
Mayo	15.2	24.5	18.8	26.8	12.8	78.2	134.1	23	166.2
Junio	15.1	24.1	18.5	26.2	13.5	80.2	194.3	27	117.0
Julio	14.8	25.0	18.9	26.8	13.2	75.8	191.9	19	203.6
Agosto	15.0	24.6	18.8	27.0	13.4	75.5	173.2	24	158.3
Septiembre	14.6	23.7	18.1	26.2	13.4	79.0	251.6	26	106.2
Octubre	15.0	23.9	18.2	25.8	13.4	80.0	175.2	25	112.5
Noviembre	15.2	23.7	18.3	26.4	14.0	81.4	173.9	27	118.7
Diciembre	15.0	23.9	18.1	26.5	12.6	81.0	171.3	23	146.2
Promedio :	15.0	24.1	18.5			79.5			
Absoluta :				28.2	12.6				
Total :							2307.2	283	1567.9



Estación : EL JAZMIN
Año : 1999

Dpto. : RISARALDA
Mpio. : SANTA ROSA DE CABAL

Latitud : 4 ° 55 'N
Longitud : 75 ° 38 'W
Altitud : 1600 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	24.9	19.2	74.0	0.0	1.1	1.1	3.2
2	15.0	23.1	18.7	77.3	.1	6.2	6.3	2.5
3	14.9	23.9	18.1	82.0	.2	1.3	1.5	3.8
4	15.9	24.8	19.0	83.0	1.8	0.0	1.8	2.2
5	15.8	23.1	18.2	81.0	.8	0.0	.8	1.9
6	15.0	24.8	18.8	79.0	0.0	0.0	0.0	4.0
7	15.6	25.1	18.4	75.0	14.1	1.3	15.4	5.1
8	15.7	22.0	18.0	85.0	7.0	21.1	28.1	.6
9	15.5	20.5	17.4	88.0	26.7	1.6	28.3	.5
10	15.2	25.0	17.6	81.0	11.3	3.6	14.9	3.6
11	14.2	21.2	17.4	81.7	0.0	0.0	0.0	.3
12	14.1	19.2	17.0	86.0	1.3	0.0	1.3	.2
13	14.6	24.2	18.8	70.0	4.4	4.1	8.5	4.5
14	14.3	22.3	17.4	79.7	0.0	2.0	2.0	.8
15	14.3	24.1	18.5	67.7	0.0	.7	.7	6.6
16	14.8	19.0	16.1	87.3	1.9	0.0	1.9	.9
17	13.7	25.0	18.6	71.7	0.0	0.0	0.0	5.7
18	15.6	24.8	19.2	73.3	0.0	.6	.6	4.0
19	14.1	24.3	19.4	71.3	0.0	1.0	1.0	4.0
20	15.5	22.1	17.6	83.7	6.0	0.0	6.0	1.2
21	14.7	24.8	18.5	70.3	.1	.2	.3	5.0
22	15.5	23.1	18.6	76.3	0.0	0.0	0.0	2.4
23	15.9	25.0	18.8	77.7	26.6	45.0	71.6	4.5
24	16.0	21.2	18.4	83.7	0.0	.3	.3	.1
25	16.1	24.0	18.8	83.3	.5	8.1	8.6	1.9
26	16.0	26.5	19.8	75.3	3.5	3.8	7.3	4.0
27	16.2	24.4	19.1	75.0	4.9	0.0	4.9	2.4
28	15.7	20.4	17.4	87.7	1.2	0.0	1.2	0.0
29	15.3	25.5	20.2	78.7	0.0	1.0	1.0	5.7
30	16.1	25.8	21.2	79.3	0.0	11.9	11.9	5.1
31	17.0	25.2	20.7	87.3	8.3	0.0	8.3	2.8
Total					120.7	114.9	235.6	89.5
Promedio	15.3	23.5	18.5	79.1				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.9	23.5	19.8	89.0	0.0	4.5	4.5	1.2
2	16.0	25.0	19.2	86.0	4.8	7.2	12.0	4.0
3	16.1	25.5	19.2	85.7	0.0	13.2	13.2	2.9
4	15.9	21.0	18.5	92.3	1.7	0.0	1.7	.7
5	15.8	23.0	19.0	88.7	0.0	2.7	2.7	1.2
6	15.6	22.1	18.2	91.0	0.0	15.4	15.4	.9
7	15.5	22.0	19.0	87.0	0.0	.7	.7	.4
8	16.3	26.5	20.3	84.0	0.0	0.0	0.0	5.3
9	15.8	26.0	19.7	86.0	.2	0.0	.2	6.6
10	16.0	19.0	17.4	97.7	1.5	.1	1.6	.1
11	14.7	25.1	19.4	82.3	0.0	81.5	81.5	4.4
12	15.0	23.1	18.3	92.0	.9	.1	1.0	1.0
13	15.8	22.2	17.3	95.3	2.6	.1	2.7	.2
14	15.9	22.0	18.0	96.7	1.4	3.2	4.6	.1
15	15.0	20.0	17.0	96.7	6.3	.8	7.1	0.0
16	14.5	21.4	17.6	88.3	.3	0.0	.3	1.1
17	15.0	19.7	16.7	92.3	12.1	3.3	15.4	.4
18	14.2	22.0	17.1	89.3	39.8	0.0	39.8	2.6
19	14.3	22.7	17.5	88.7	6.3	13.2	19.5	2.5
20	14.8	19.3	17.1	93.3	.1	0.0	.1	.1
21	14.7	23.9	18.0	90.3	.2	18.2	18.4	2.3
22	14.8	23.0	17.9	88.7	1.0	6.5	7.5	1.4
23	15.5	20.0	17.0	91.7	1.6	3.0	4.6	.5
24	15.0	21.7	17.8	93.7	1.3	11.4	12.7	1.3
25	14.0	23.1	17.7	89.7	3.9	0.0	3.9	1.0
26	15.9	24.2	19.2	89.3	3.1	5.7	8.8	3.1
27	14.0	21.0	17.1	93.7	6.4	1.1	7.5	2.2
28	15.0	21.4	17.7	88.3	15.5	2.4	17.9	.5
29								
30								
31								
Total					111.0	194.3	305.3	48.0
Promedio	15.3	22.5	18.2	90.3				

Estación : EL JAZMIN
Año : 1999

Dpto. : RISARALDA
Mpio. : SANTA ROSA DE CABAL

Latitud : 4 ° 55 'N
Longitud : 75 ° 38 'W
Altitud : 1600 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.2	21.3	17.0	90.7	1.1	0.0	1.1	.3
2	15.0	23.3	18.9	87.3	.7	0.0	.7	5.0
3	16.0	24.2	18.6	81.0	.9	8.8	9.7	2.8
4	15.7	22.1	18.6	91.7	8.8	0.0	8.8	1.4
5	15.3	26.0	19.4	82.7	0.0	0.0	0.0	7.0
6	15.0	26.5	20.0	79.7	0.0	0.0	0.0	6.2
7	15.8	24.3	18.6	87.7	3.9	0.0	3.9	2.6
8	14.8	25.0	19.8	84.7	0.0	30.7	30.7	4.7
9	15.0	22.3	17.1	92.0	15.7	1.1	16.8	.9
10	14.2	23.7	18.0	87.3	2.3	0.0	2.3	3.4
11	13.5	25.3	19.4	83.7	.2	0.0	.2	4.5
12	15.0	26.0	19.8	80.3	2.4	0.0	2.4	3.9
13	14.8	23.0	16.4	97.7	1.4	0.0	1.4	1.1
14	14.0	22.9	18.0	93.0	.1	1.7	1.8	1.3
15	15.3	21.0	17.2	93.7	12.2	.3	12.5	.1
16	15.3	23.3	18.4	94.3	0.0	33.1	33.1	2.5
17	14.4	25.0	17.4	85.7	5.2	9.0	14.2	3.4
18	14.8	24.2	18.2	90.0	0.0	.2	.2	1.4
19	15.6	21.0	17.6	93.7	2.9	3.4	6.3	.3
20	14.0	22.5	17.7	88.7	1.0	0.0	1.0	.9
21	15.0	22.8	18.0	88.3	2.5	0.0	2.5	1.1
22	15.8	25.1	19.6	86.7	0.0	0.0	0.0	3.2
23	16.0	23.0	18.6	91.0	.1	0.0	.1	.8
24	16.6	23.4	18.9	93.3	0.0	7.9	7.9	1.2
25	15.6	26.2	20.8	83.0	0.0	0.0	0.0	4.1
26	15.5	25.0	19.2	86.3	7.3	0.0	7.3	1.9
27	16.6	22.0	18.6	97.0	2.9	.2	3.1	.2
28	16.4	23.0	17.6	98.3	20.5	7.7	28.2	1.5
29	14.8	23.7	19.0	91.3	.2	.2	.4	4.4
30	16.4	24.6	19.0	89.3	9.2	3.1	12.3	1.4
31	15.6	26.8	19.4	85.7	11.8	0.0	11.8	4.0
Total					113.3	107.4	220.7	77.5
Promedio :	15.2	23.8	18.5	88.9				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	25.5	18.7	88.0	14.1	.1	14.2	.8
2	16.1	27.1	20.2	82.3	0.0	10.0	10.0	5.1
3	14.7	20.8	16.1	97.3	0.0	0.0	0.0	0.0
4	14.9	24.7	18.7	86.7	2.4	8.6	11.0	3.0
5	13.5	26.3	19.7	85.3	0.0	10.1	10.1	4.9
6	15.1	25.9	19.1	85.3	.2	0.0	.2	5.9
7	16.3	23.4	18.2	96.3	27.4	36.0	63.4	1.0
8	15.7	23.5	18.0	91.7	5.4	24.9	30.3	1.8
9	15.6	23.0	18.0	90.3	21.4	0.0	21.4	1.2
10	15.0	20.8	17.0	95.7	22.7	1.8	24.5	0.0
11	14.7	24.8	19.4	88.3	.6	10.1	10.7	4.1
12	16.0	25.0	19.2	88.7	0.0	3.9	3.9	3.2
13	15.4	24.0	18.4	91.7	.3	0.0	.3	3.2
14	16.0	24.1	19.4	89.7	1.0	0.0	1.0	2.2
15	15.9	22.2	18.4	95.7	4.2	0.0	4.2	1.2
16	15.3	25.9	20.0	83.0	0.0	0.0	0.0	5.2
17	15.8	26.2	20.3	75.3	0.0	0.0	0.0	8.0
18	14.9	26.3	20.2	77.3	0.0	0.0	0.0	7.1
19	15.7	26.0	20.6	84.0	0.0	0.0	0.0	5.7
20	16.2	24.2	17.6	96.3	18.2	0.0	18.2	3.0
21	14.7	25.0	20.3	86.7	0.0	0.0	0.0	3.5
22	16.7	27.2	20.9	84.7	0.0	17.3	17.3	6.2
23	16.8	23.0	19.4	90.0	0.0	0.0	0.0	3.2
24	15.8	20.6	17.2	97.3	9.0	8.9	17.9	1.2
25	15.0	23.0	17.8	92.3	6.3	7.8	14.1	.8
26	15.4	22.6	17.9	93.3	1.7	8.0	9.7	1.3
27	15.0	19.9	17.3	96.3	3.0	0.0	3.0	0.0
28	14.2	22.0	17.2	97.0	3.6	0.0	3.6	1.9
29	15.3	23.8	18.8	90.0	4.0	23.3	27.3	3.9
30	14.8	20.4	16.3	97.7	10.4	0.0	10.4	.3
31								
Total					155.9	170.8	326.7	88.9
Promedio :	15.4	23.9	18.7	89.8				

Estación : EL JAZMIN
Año : 1999

Dpto. : RISARALDA
Mpio. : SANTA ROSA DE CABAL

Latitud : 4 ° 55 'N
Longitud : 75 ° 38 'W
Altitud : 1600 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	13.3	24.3	19.2	86.0	0.0	8.0	8.0	.2
2	15.4	22.8	18.4	90.3	1.8	.1	1.9	1.5
3	15.1	23.3	19.5	89.3	0.0	21.8	21.8	3.4
4	15.0	20.2	17.4	93.3	2.8	0.0	2.8	.3
5	14.9	23.0	17.0	95.3	22.1	0.0	22.1	3.2
6	14.9	22.9	19.0	90.3	2.0	4.8	6.8	3.0
7	15.1	22.6	18.0	97.0	5.7	0.0	5.7	4.3
8	14.0	24.0	18.2	91.7	.9	0.0	.9	1.8
9	15.0	23.1	18.2	87.0	3.0	34.5	37.5	1.5
10	14.0	23.3	17.8	90.7	0.0	0.0	0.0	4.6
11	14.9	22.1	17.6	96.3	1.2	.5	1.7	2.2
12	14.0	24.0	17.8	95.0	.4	16.2	16.6	5.4
13	15.0	22.7	18.2	92.0	0.0	.8	.8	1.4
14	14.9	24.0	19.6	85.0	.4	.1	.5	2.1
15	15.1	24.9	19.5	91.7	0.0	0.0	0.0	2.8
16	16.7	25.8	19.5	86.3	1.2	0.0	1.2	8.1
17	16.0	25.3	20.0	83.7	0.0	0.0	0.0	0.0
18	16.2	22.2	19.2	89.7	0.0	0.0	0.0	.3
19	15.3	23.0	18.1	98.0	3.9	0.0	3.9	2.4
20	15.0	23.1	16.8	98.0	29.2	2.8	32.0	4.3
21	14.9	24.2	19.3	88.0	.2	9.2	9.4	2.6
22	16.2	23.1	18.8	92.0	1.0	0.0	1.0	.2
23	16.4	27.1	21.4	84.3	0.0	0.0	0.0	8.9
24	16.2	26.9	21.3	83.7	2.7	0.0	2.7	6.4
25	16.0	25.8	19.8	86.0	0.0	0.0	0.0	4.1
26	16.8	27.1	21.2	81.7	0.0	0.0	0.0	7.7
27	16.5	25.3	19.8	84.3	0.0	0.0	0.0	5.5
28	16.0	24.1	20.0	90.0	.8	0.0	.8	.7
29	16.2	23.3	19.4	94.3	25.7	.6	26.3	1.2
30	15.2	24.1	19.1	93.3	.8	0.0	.8	2.7
31	14.9	25.7	20.6	86.0	0.0	.7	.7	4.7
Total :					105.8	100.1	205.9	97.5
Promedio :	15.3	24.0	19.0	90.0				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.5	25.0	18.6	97.0	1.1	.5	1.6	3.2
2	17.0	23.6	19.2	92.3	.9	0.0	.9	.5
3	15.0	24.7	19.0	88.7	19.4	0.0	19.4	3.6
4	15.7	21.0	18.0	96.0	3.3	3.0	6.3	.1
5	15.1	21.4	17.8	97.0	4.2	0.0	4.2	1.1
6	14.2	23.8	18.6	85.0	0.0	0.0	0.0	2.2
7	16.3	22.6	18.0	97.7	5.1	11.9	17.0	.5
8	15.3	22.8	18.0	90.0	2.9	1.6	4.5	1.4
9	15.5	25.7	19.5	89.0	1.0	2.4	3.4	5.6
10	13.8	26.0	19.0	85.7	0.0	.1	.1	7.3
11	16.4	22.9	19.0	92.0	2.6	.1	2.7	1.0
12	15.2	25.3	19.9	79.3	0.0	.5	.5	5.9
13	16.2	22.0	17.6	96.3	4.9	0.0	4.9	.3
14	14.9	22.5	18.4	90.7	1.2	0.0	1.2	2.0
15	14.6	22.2	18.5	90.3	2.6	.1	2.7	1.9
16	15.0	22.0	17.8	93.3	13.9	0.0	13.9	1.1
17	14.0	24.8	17.4	89.7	40.1	2.6	42.7	4.0
18	15.2	19.5	16.8	97.7	21.2	.1	21.3	.1
19	14.8	24.0	19.3	86.7	0.0	9.5	9.5	3.6
20	15.2	24.1	19.0	89.3	1.5	.2	1.7	1.9
21	16.0	22.6	18.1	92.0	3.4	0.0	3.4	0.0
22	16.0	23.2	18.7	91.3	7.9	0.0	7.9	2.8
23	15.2	22.0	18.0	90.0	32.0	0.0	32.0	2.2
24	14.8	23.3	18.8	90.0	.2	34.6	34.8	1.9
25	15.0	24.8	19.0	86.7	0.0	.3	.3	2.5
26	15.8	21.2	18.0	91.3	31.8	3.9	35.7	1.0
27	14.9	22.3	18.4	89.3	0.0	2.7	2.7	1.1
28	14.5	21.0	17.6	92.3	.7	0.0	.7	.4
29	12.8	24.5	18.0	88.0	1.5	0.0	1.5	2.8
30	14.1	24.8	19.6	81.3	0.0	17.7	17.7	5.7
31								
Total :					203.4	91.8	295.2	67.7
Promedio :	15.2	23.2	18.5	90.5				

Estación : EL JAZMIN
Año : 1999

Dpto. : RISARALDA
Mpio. : SANTA ROSA DE CABAL

Latitud : 4 ° 55 'N
Longitud : 75 ° 38 'W
Altitud : 1600 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.1	21.8	18.4	89.3	.3	.1	.4	1.9
2	15.4	23.0	18.8	91.3	1.6	18.6	20.2	2.4
3	15.0	21.8	17.8	92.0	11.0	27.0	38.0	.8
4	14.5	25.3	18.8	85.3	0.0	3.9	3.9	4.7
5	14.8	24.2	19.8	82.7	0.0	4.6	4.6	5.8
6	15.1	22.8	18.8	90.3	.5	1.5	2.0	2.2
7	14.9	22.7	18.8	89.0	1.6	9.3	10.9	2.1
8	15.2	23.5	19.0	89.0	.1	.1	.2	2.7
9	14.8	23.0	18.6	88.0	13.5	1.2	14.7	4.0
10	14.6	25.5	19.9	78.3	0.0	3.0	3.0	7.6
11	15.8	24.0	19.6	89.0	0.0	0.0	0.0	4.7
12	16.0	23.8	18.5	93.3	.4	.2	.6	4.4
13	15.3	25.7	20.4	82.3	0.0	.5	.5	6.7
14	15.8	27.4	20.1	84.3	2.5	0.0	2.5	8.6
15	15.6	27.0	20.8	78.3	0.0	.2	.2	7.3
16	16.3	24.0	19.0	91.3	.5	0.0	.5	2.8
17	14.5	26.0	20.1	81.7	.1	6.6	6.7	5.2
18	15.3	25.8	20.4	83.0	0.0	37.9	37.9	5.3
19	14.8	25.0	18.8	88.3	.3	5.5	5.8	3.1
20	15.5	25.1	19.6	88.3	0.0	0.0	0.0	5.8
21	16.3	25.5	19.6	84.7	0.0	0.0	0.0	6.2
22	16.0	24.0	19.0	90.3	0.0	0.0	0.0	3.4
23	15.3	24.2	19.0	90.0	20.4	0.0	20.4	2.1
24	15.0	24.5	19.1	89.3	0.0	0.0	0.0	4.5
25	15.5	26.0	21.0	80.0	0.0	0.0	0.0	6.2
26	16.0	25.7	20.4	90.3	0.0	.2	.2	3.5
27	16.5	25.5	20.1	85.3	.6	16.1	16.7	4.1
28	17.2	24.0	20.1	87.7	.1	0.0	.1	1.9
29	16.3	23.3	19.2	88.3	1.6	0.0	1.6	1.3
30	14.6	25.9	19.7	86.0	0.0	2.5	2.5	7.0
31	15.2	25.1	18.5	90.3	9.1	0.0	9.1	3.9
Total :					64.2	139.0	203.2	132.2
Promedio :	15.4	24.6	19.4	87.0				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	27.0	20.2	85.0	.2	0.0	.2	7.0
2	15.4	24.0	19.5	86.0	0.0	9.7	9.7	2.7
3	16.0	21.0	17.5	96.7	1.1	0.0	1.1	.8
4	14.6	25.0	19.4	86.0	0.0	1.8	1.8	3.5
5	15.5	24.9	19.7	82.3	0.0	2.2	2.2	5.7
6	15.2	24.5	20.2	82.7	0.0	11.1	11.1	2.4
7	14.0	23.7	18.6	84.0	0.0	1.2	1.2	1.9
8	16.2	24.8	20.2	84.3	0.0	1.4	1.4	3.5
9	16.0	23.0	18.5	92.3	.4	0.0	.4	1.6
10	14.4	25.5	19.4	78.3	.5	0.0	.5	6.2
11	14.9	25.2	19.5	88.3	.1	0.0	.1	5.0
12	15.6	25.3	19.0	90.3	9.1	.7	9.8	2.5
13	16.1	24.0	17.9	92.0	3.4	.7	4.1	2.5
14	15.0	22.0	18.4	91.0	.6	3.4	4.0	2.9
15	14.2	23.1	19.0	86.3	0.0	0.0	0.0	4.2
16	14.8	25.5	20.6	80.3	.2	1.4	1.6	5.6
17	15.8	23.0	19.0	92.7	2.1	0.0	2.1	4.4
18	16.0	21.7	18.9	94.0	.2	0.0	.2	1.2
19	15.0	23.0	19.2	89.3	0.0	0.0	0.0	1.9
20	14.7	25.8	18.3	84.7	22.0	29.1	51.1	5.8
21	14.1	17.6	15.9	97.0	21.8	0.0	21.8	.2
22	12.5	22.8	18.9	80.0	.5	0.0	.5	2.8
23	13.3	22.2	18.0	90.0	2.7	0.0	2.7	3.4
24	14.5	25.0	18.4	90.0	.3	0.0	.3	5.1
25	14.4	21.2	17.6	93.0	2.6	3.7	6.3	0.0
26	14.8	24.4	17.6	89.7	7.2	.5	7.7	2.8
27	16.2	23.1	18.0	95.7	1.6	0.0	1.6	1.1
28	15.4	23.0	18.2	96.0	1.8	0.0	1.8	.7
29	15.0	25.8	19.7	85.3	.9	2.7	3.6	7.7
30	15.4	25.5	19.0	90.3	0.0	0.0	0.0	4.5
31	14.9	25.4	20.0	88.3	.4	.5	.9	5.8
Total :					79.7	70.1	149.8	105.4
Promedio :	15.0	23.8	18.8	88.4				

Estación : EL JAZMIN
Año : 1999

Dpto. : RISARALDA
Mpio. : SANTA ROSA DE CABAL

Latitud : 4 ° 55 'N
Longitud : 75 ° 38 'W
Altitud : 1600 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	24.2	18.4	94.3	6.9	.2	7.1	2.2
2	15.6	22.5	18.8	90.0	0.0	0.0	0.0	.5
3	15.9	22.7	19.0	91.3	0.0	0.0	0.0	1.3
4	14.8	23.7	18.7	88.7	.5	1.7	2.2	2.2
5	15.0	21.8	17.5	96.0	2.0	0.0	2.0	1.1
6	14.6	25.0	18.8	89.7	.8	0.0	.8	6.0
7	14.0	24.4	18.8	92.3	.1	4.3	4.4	3.0
8	15.0	22.5	18.2	91.3	14.7	1.0	15.7	.6
9	15.3	23.0	18.0	93.0	7.2	33.1	40.3	.9
10	15.0	21.0	17.8	90.7	0.0	.1	.1	.1
11	14.3	22.5	17.2	95.7	18.5	25.0	43.5	1.8
12	14.8	20.0	15.9	97.7	9.4	0.0	9.4	0.0
13	14.0	21.5	17.2	92.7	4.3	14.1	18.4	1.6
14	14.1	21.0	16.6	94.7	.4	0.0	.4	1.0
15	15.0	24.9	19.4	81.7	0.0	.5	.5	3.2
16	14.5	26.0	20.2	82.0	0.0	3.8	3.8	4.5
17	15.2	20.8	17.6	96.3	5.5	0.0	5.5	1.1
18	13.8	25.1	19.8	85.3	0.0	12.1	12.1	4.8
19	15.3	25.0	19.9	83.3	0.0	28.1	28.1	3.8
20	15.0	22.6	18.0	96.0	6.0	0.0	6.0	3.7
21	14.0	23.0	17.3	87.3	1.9	41.9	43.8	2.2
22	14.2	21.7	17.6	90.7	.6	0.0	.6	.2
23	14.9	23.0	17.5	93.7	19.4	0.0	19.4	1.0
24	14.0	22.1	17.9	91.3	0.0	.9	.9	3.8
25	15.0	21.8	17.0	93.3	8.0	11.1	19.1	.4
26	14.8	22.0	17.4	92.3	4.5	34.5	39.0	.3
27	15.0	21.0	17.0	91.0	8.6	3.1	11.7	.3
28	14.8	22.0	17.5	89.0	3.3	3.7	7.0	0.0
29	15.0	20.5	17.0	92.0	.3	0.0	.3	.9
30	14.0	21.9	17.6	91.7	.1	52.9	53.0	1.4
31								
Total					123.0	272.1	395.1	53.9
Promedio	14.8	22.6	18.0	91.2				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.6	19.0	16.4	96.3	.1	2.5	2.6	0.0
2	13.9	22.7	18.1	94.7	0.0	0.0	0.0	3.1
3	15.4	25.0	17.8	90.3	1.9	2.0	3.9	3.9
4	15.9	22.3	17.7	91.3	34.0	0.0	34.0	1.3
5	14.0	24.0	18.4	85.7	0.0	5.8	5.8	3.7
6	13.2	20.4	16.1	93.0	22.7	.1	22.8	.2
7	13.3	22.0	16.4	88.0	7.6	1.0	8.6	1.9
8	13.5	23.5	17.7	88.0	.2	0.0	.2	3.1
9	16.0	23.2	18.4	88.7	0.0	21.3	21.3	1.5
10	14.5	22.5	18.0	91.3	5.0	12.3	17.3	.7
11	14.9	24.0	19.2	88.0	0.0	.1	.1	2.7
12	15.4	24.1	18.6	86.7	17.6	0.0	17.6	1.6
13	14.5	24.0	18.8	87.7	0.0	0.0	0.0	5.8
14	15.5	24.3	19.1	87.7	0.0	1.3	1.3	2.3
15	16.3	24.0	18.8	88.0	1.4	3.7	5.1	2.1
16	15.1	22.0	17.6	91.3	0.0	0.0	0.0	1.7
17	13.3	19.5	16.2	95.7	5.0	0.0	5.0	.7
18	13.0	25.0	18.7	82.7	1.5	4.3	5.8	5.9
19	14.3	22.5	18.0	91.3	0.0	0.0	0.0	2.3
20	16.0	21.0	17.0	97.7	10.6	.3	10.9	.6
21	15.3	22.3	18.0	97.7	.8	0.0	.8	.6
22	15.0	21.1	17.8	94.3	9.7	12.8	22.5	.2
23	14.8	22.1	18.5	91.0	0.0	0.0	0.0	.3
24	16.0	24.5	18.2	89.3	42.1	2.2	44.3	2.1
25	15.8	22.5	18.4	94.3	1.0	0.0	1.0	2.0
26	16.0	22.0	19.1	87.3	0.0	18.8	18.8	2.5
27	15.5	21.7	17.8	92.7	.6	25.5	26.1	1.5
28	15.0	21.0	17.3	92.7	3.1	0.0	3.1	.3
29	13.0	23.2	17.8	86.7	4.5	14.8	19.3	3.3
30	14.9	20.4	17.0	96.7	1.9	0.0	1.9	.1
31	14.0	24.7	18.6	82.7	0.0	4.3	4.3	2.9
Total					171.3	133.1	304.4	60.9
Promedio	14.8	22.6	17.9	90.6				

Estación : EL JAZMIN
Año : 1999

Dpto. : RISARALDA
Mpio. : SANTA ROSA DE CABAL

Latitud : 4 ° 55 'N
Longitud : 75 ° 38 'W
Altitud : 1600 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	25.0	19.2	85.0	2.5	.1	2.6	3.6
2	15.9	25.2	18.4	88.7	40.1	4.3	44.4	4.4
3	15.8	22.2	18.4	93.7	0.0	2.1	2.1	1.8
4	16.0	23.0	18.5	90.0	2.4	10.6	13.0	1.3
5	15.9	24.4	19.6	87.3	0.0	26.9	26.9	5.2
6	15.8	23.0	18.4	93.0	6.2	0.0	6.2	1.8
7	16.0	21.8	17.8	94.0	7.6	11.4	19.0	2.1
8	15.6	21.0	17.8	96.7	4.4	0.0	4.4	.3
9	16.1	25.7	19.6	87.0	.2	14.2	14.4	5.0
10	16.4	25.1	19.2	88.3	7.1	10.7	17.8	3.8
11	15.7	23.8	17.8	96.7	0.0	0.0	0.0	1.3
12	15.4	24.0	18.2	90.0	8.3	32.8	41.1	2.8
13	15.2	23.0	18.1	97.7	3.3	0.0	3.3	2.3
14	14.7	25.3	20.2	83.7	0.0	13.5	13.5	6.2
15	16.0	21.1	17.5	89.3	.3	0.0	.3	1.3
16	13.2	24.0	18.6	87.3	0.0	8.7	8.7	5.9
17	13.5	25.0	18.8	85.0	0.0	24.6	24.6	7.9
18	15.0	21.2	17.3	96.3	1.9	.1	2.0	1.3
19	14.8	20.0	17.4	92.3	0.0	12.9	12.9	.8
20	15.0	23.1	17.4	89.7	16.7	9.5	26.2	2.0
21	14.5	21.5	17.1	92.0	4.2	3.0	7.2	1.7
22	15.0	20.5	17.0	94.3	0.0	0.0	0.0	.4
23	14.5	24.0	18.2	89.3	0.0	5.7	5.7	3.9
24	14.0	22.6	16.2	96.7	9.2	6.4	15.6	1.5
25	15.3	23.5	17.5	89.0	.3	0.0	.3	3.1
26	14.3	24.5	19.4	86.7	0.0	0.0	0.0	5.9
27	15.0	24.0	19.4	84.0	0.0	0.0	0.0	3.4
28	16.4	24.2	19.4	86.0	0.0	0.0	0.0	2.2
29	15.0	25.0	19.6	82.0	0.0	15.4	15.4	3.9
30	15.6	21.5	18.0	92.3	.1	.1	.2	.5
31								
Total :					114.8	213.0	327.8	87.6
Promedio :	15.2	23.3	18.3	90.1				

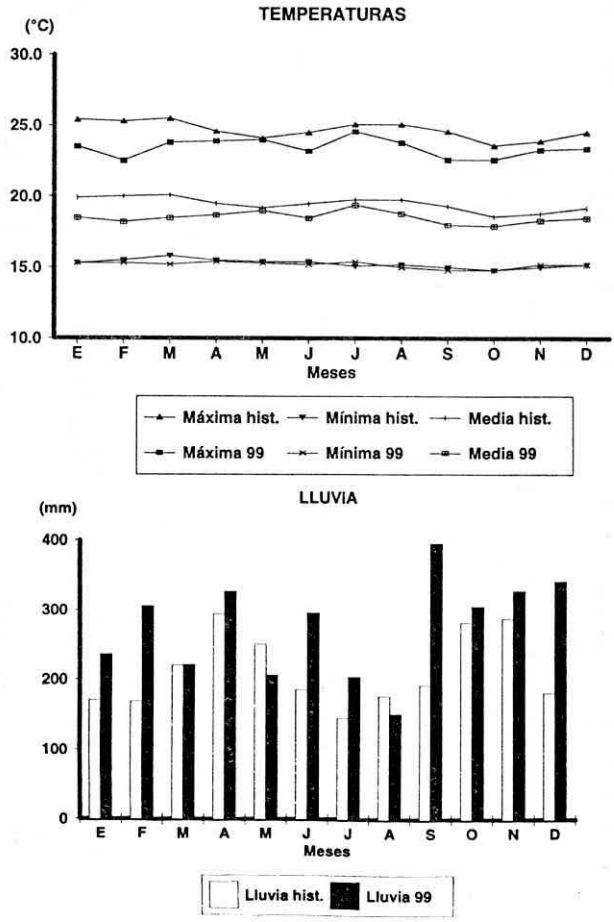
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.3	20.0	16.5	98.0	17.5	0.0	17.5	.1
2	14.9	23.0	18.6	88.0	0.0	.9	.9	1.8
3	16.0	21.8	18.5	91.0	0.0	2.5	2.5	.5
4	15.2	25.0	19.5	86.7	4.7	25.1	29.8	3.5
5	15.0	21.5	17.8	93.3	0.0	0.0	0.0	.8
6	16.0	23.0	18.6	89.3	4.5	0.0	4.5	1.2
7	15.5	22.5	18.7	92.0	.9	1.4	2.3	.8
8	15.0	25.5	20.1	83.0	0.0	11.0	11.0	7.8
9	15.8	25.7	20.0	85.0	0.0	16.4	16.4	4.8
10	16.0	22.5	17.4	97.3	2.9	0.0	2.9	2.0
11	14.4	23.4	18.8	86.3	0.0	16.0	16.0	4.3
12	16.0	22.0	17.8	95.3	5.4	36.5	41.9	.9
13	15.0	23.3	18.8	87.0	0.0	1.3	1.3	1.5
14	15.6	23.0	18.6	91.3	3.5	34.7	38.2	2.2
15	15.7	22.5	18.1	96.3	.3	10.1	10.4	1.9
16	16.0	23.0	17.8	93.3	6.2	10.6	16.8	1.9
17	15.5	23.4	18.3	88.0	0.0	1.8	1.8	2.5
18	15.9	23.0	18.8	90.7	2.3	15.3	17.6	1.4
19	16.0	25.0	19.2	88.7	0.0	3.1	3.1	4.2
20	16.5	23.2	19.1	90.3	7.6	10.8	18.4	1.5
21	16.4	25.0	19.5	89.7	1.5	19.3	20.8	5.1
22	16.5	22.0	18.6	94.0	.9	.1	1.0	.4
23	15.2	24.5	18.8	88.0	8.1	18.7	26.8	3.0
24	14.0	21.5	16.8	92.0	5.0	20.2	25.2	.3
25	13.9	23.5	17.7	88.0	0.0	0.0	0.0	3.0
26	12.5	25.0	18.8	81.3	0.0	0.0	0.0	6.9
27	14.7	23.2	18.2	88.7	2.6	0.0	2.6	3.4
28	13.0	24.5	17.8	85.3	0.0	0.0	0.0	5.7
29	14.0	23.0	18.2	87.0	0.0	0.0	0.0	3.3
30	13.8	25.0	18.8	83.7	0.0	4.3	4.3	7.6
31	15.0	25.8	19.3	86.0	5.9	1.6	7.5	5.4
Total :					79.8	261.7	341.5	89.7
Promedio :	15.2	23.4	18.5	89.5				

Estación : EL JAZMIN
Año : 1999

Dpto. : RISARALDA
Mpio. : SANTA ROSA DE CABAL

Latitud : 4 ° 55 'N
Longitud : 75 ° 38 'W
Altitud : 1600 m

MES	TEMPERATURA °C					PRECIPITACION			
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	15.3	23.5	18.5	26.5	13.7	79.1	235.6	27	89.5
Febrero	15.3	22.5	18.2	26.5	14.0	90.3	305.3	27	48.0
Marzo	15.2	23.8	18.5	26.8	13.5	88.9	220.7	27	77.5
Abril	15.4	23.9	18.7	27.2	13.5	89.8	326.7	23	88.9
Mayo	15.3	24.0	19.0	27.1	13.3	90.0	205.9	23	97.5
Junio	15.2	23.2	18.5	26.0	12.8	90.5	295.2	29	67.7
Julio	15.4	24.6	19.4	27.4	14.5	87.0	203.2	25	132.2
Agosto	15.0	23.8	18.8	27.0	12.5	88.4	149.8	28	105.4
Septiembre	14.8	22.6	18.0	26.0	13.8	91.2	395.1	28	53.9
Octubre	14.8	22.6	17.9	25.0	13.0	90.6	304.4	26	60.9
Noviembre	15.2	23.3	18.3	25.7	13.2	90.1	327.8	25	87.6
Diciembre	15.2	23.4	18.5	25.8	12.5	89.5	341.5	26	89.7
Promedio :	15.2	23.4	18.5			88.8			
Absoluta :				27.4	12.5				
Total :							3311.2	314	998.8



Estación : EL PILAMO
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 52 'N
Longitud : 75 ° 48 'W
Altitud : 1070 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.0	29.9	22.6	85.0	0.0	0.0	0.0	5.0
2	18.8	28.8	22.2	85.0	0.0	14.3	14.3	4.2
3	17.2	30.2	21.4	86.0	.3	3.6	3.9	5.5
4	18.6	29.6	22.8	81.0	.3	1.4	1.7	6.1
5	18.8	25.6	21.2	85.0	.1	0.0	.1	3.8
6	18.4	29.4	22.0	84.3	2.8	0.0	2.8	5.4
7	17.4	29.6	22.2	79.0	0.0	.8	.8	6.2
8	19.2	27.8	22.1	81.7	4.8	4.7	9.5	1.8
9	18.7	29.0	22.2	84.7	0.0	0.0	0.0	2.5
10	18.8	28.2	21.1	85.3	3.1	2.9	6.0	3.9
11	17.4	26.0	21.6	84.7	0.0	0.0	0.0	2.8
12	17.0	24.6	20.2	88.3	1.0	.1	1.1	.1
13	16.0	28.8	22.4	78.3	0.0	.1	.1	4.9
14	18.0	27.8	21.8	76.7	0.0	0.0	0.0	3.8
15	17.4	29.0	21.2	80.3	0.0	0.0	0.0	5.8
16	16.6	24.9	19.0	93.7	3.3	0.0	3.3	1.7
17	16.0	29.2	22.2	75.7	0.0	0.0	0.0	7.2
18	16.4	30.4	22.3	76.7	0.0	8.4	8.4	8.1
19	16.0	28.8	22.0	86.7	0.0	34.7	34.7	4.4
20	18.0	27.8	21.2	86.3	.5	0.0	.5	3.6
21	17.6	29.8	22.4	83.3	0.0	32.6	32.6	5.7
22	17.6	28.4	21.4	83.0	.1	0.0	.1	4.2
23	17.8	29.9	22.1	82.7	.6	8.1	8.7	5.8
24	19.0	24.4	21.6	91.0	1.3	6.1	7.4	.2
25	18.8	28.6	22.3	84.0	.6	1.3	1.9	4.8
26	18.9	29.6	23.5	78.3	0.0	0.0	0.0	6.6
27	19.4	27.9	22.8	76.3	0.0	3.0	3.0	3.4
28	18.0	27.0	22.1	81.3	0.0	0.0	0.0	1.6
29	18.0	30.8	23.4	77.3	0.0	0.0	0.0	6.2
30	19.5	31.2	24.2	78.3	0.0	.7	.7	7.7
31	19.0	31.0	23.6	81.0	0.0	0.0	0.0	5.7
Total :					18.8	122.8	141.6	138.7
Promedio :	18.0	28.5	22.0	82.6				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.1	28.5	23.0	82.3	0.0	2.1	2.1	2.4
2	19.2	28.8	22.4	80.0	3.6	.2	3.8	4.0
3	18.6	29.8	22.8	80.3	0.0	9.7	9.7	3.1
4	18.8	26.9	21.8	87.3	.5	2.7	3.2	.3
5	18.7	27.8	22.1	84.0	0.0	.9	.9	1.5
6	18.4	27.9	22.4	84.3	0.0	.9	.9	1.6
7	18.2	28.9	22.9	83.0	0.0	0.0	0.0	3.4
8	17.6	31.6	25.1	72.7	0.0	0.0	0.0	9.4
9	17.6	32.3	23.4	78.3	0.0	0.0	0.0	8.7
10	19.0	25.1	20.6	92.7	.6	.3	.9	1.0
11	17.2	29.0	23.1	79.7	.1	1.9	2.0	5.4
12	18.8	27.4	22.7	84.7	0.0	3.2	3.2	2.9
13	18.6	25.8	21.2	88.0	.4	0.0	.4	.2
14	18.4	26.8	21.6	83.7	11.7	1.8	13.5	3.6
15	17.7	28.0	20.4	87.3	17.7	0.0	17.7	1.8
16	17.2	27.6	20.6	84.3	7.6	4.5	12.1	3.1
17	18.0	23.8	20.2	92.7	12.2	2.1	14.3	.3
18	17.4	28.6	21.5	80.7	0.0	11.1	11.1	4.7
19	16.8	28.4	21.8	79.3	0.0	30.9	30.9	5.0
20	17.0	24.8	20.8	84.3	0.0	0.0	0.0	.5
21	17.2	27.6	21.5	82.0	0.0	15.0	15.0	2.1
22	17.7	27.4	21.5	81.7	0.0	1.9	1.9	3.2
23	18.2	28.9	21.2	84.3	2.6	27.4	30.0	2.1
24	17.6	26.6	21.2	84.3	.1	44.0	44.1	1.9
25	17.4	28.4	22.2	79.0	0.0	0.0	0.0	5.0
26	18.6	29.8	22.7	80.7	.5	5.4	5.9	4.5
27	16.8	27.9	21.8	81.7	0.0	2.8	2.8	3.4
28	18.4	27.5	22.0	76.3	0.0	5.7	5.7	1.7
29								
30								
31								
Total :					57.6	174.5	232.1	86.8
Promedio :	18.0	27.9	21.9	82.8				

Estación : EL PILAMO
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 52 'N
Longitud : 75 ° 48 'W
Altitud : 1070 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.8	26.6	20.9	80.3	1.3	0.0	1.3	4.2
2	17.0	28.6	22.0	77.0	0.0	0.0	0.0	2.9
3	17.4	29.8	22.1	80.7	.7	2.1	2.8	5.6
4	18.2	26.2	21.1	88.3	.2	0.0	.2	1.5
5	17.9	30.9	23.8	71.7	0.0	.2	.2	7.2
6	18.6	31.8	24.1	71.0	0.0	2.6	2.6	6.6
7	17.2	29.6	22.4	77.7	11.4	0.0	11.4	6.2
8	16.8	30.6	23.2	74.0	0.0	7.4	7.4	8.4
9	18.4	27.8	22.0	83.3	14.0	10.6	24.6	2.2
10	18.0	29.8	21.8	78.7	0.0	0.0	0.0	6.2
11	16.2	29.2	23.5	76.0	0.0	0.0	0.0	6.7
12	17.0	31.8	24.2	71.7	0.0	0.0	0.0	6.2
13	17.2	26.8	20.8	87.7	0.0	0.0	0.0	1.9
14	16.0	27.6	21.9	80.0	.2	16.0	16.2	3.7
15	18.0	27.4	19.9	84.7	28.5	1.7	30.2	2.4
16	17.8	26.6	21.2	85.7	.1	2.3	2.4	3.3
17	16.6	30.2	23.6	73.0	0.0	43.6	43.6	4.6
18	16.8	27.5	21.4	82.7	0.0	.6	.6	2.7
19	18.2	28.9	20.1	87.0	26.4	3.3	29.7	2.0
20	17.6	29.4	22.2	81.7	0.0	0.0	0.0	4.2
21	17.2	28.0	22.7	81.0	1.3	0.0	1.3	3.0
22	18.8	28.8	23.6	75.3	0.0	0.0	0.0	6.4
23	18.0	26.8	22.6	81.3	0.0	0.0	0.0	1.5
24	19.0	27.0	22.7	82.3	7.7	4.3	12.0	2.5
25	18.8	30.8	24.0	78.7	0.0	0.0	0.0	5.7
26	17.6	29.8	22.9	81.0	0.0	0.0	0.0	4.4
27	19.6	27.0	22.0	84.7	0.0	5.1	5.1	.2
28	19.0	25.6	20.8	89.3	1.3	9.0	10.3	.9
29	18.4	27.4	22.6	83.0	.5	0.0	.5	3.9
30	18.6	29.8	22.6	82.0	.1	3.1	3.2	3.3
31	18.5	30.0	23.8	82.7	0.0	.4	.4	6.9
Total					93.7	112.3	206.0	127.4
Promedio :	17.8	28.6	22.3	80.5				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.4	29.8	23.2	79.7	0.0	.3	.3	3.7
2	19.0	30.8	24.2	77.3	0.0	14.5	14.5	5.5
3	17.8	22.0	19.8	90.7	0.0	0.0	0.0	0.0
4	16.2	29.6	22.3	79.3	0.0	2.9	2.9	4.4
5	17.1	28.8	22.2	76.0	0.0	5.8	5.8	7.0
6	17.0	29.6	23.2	77.3	0.0	0.0	0.0	8.8
7	18.4	30.4	22.5	81.0	0.0	22.9	22.9	6.3
8	18.0	26.6	21.2	87.0	15.0	3.7	18.7	2.4
9	18.4	27.0	20.8	88.7	18.3	.1	18.4	1.1
10	17.8	26.0	20.0	86.7	16.6	2.0	18.6	1.4
11	17.8	27.6	22.4	82.7	0.0	17.7	17.7	4.2
12	17.0	28.2	22.0	80.7	0.0	64.0	64.0	4.4
13	17.4	27.0	22.1	79.3	0.0	0.0	0.0	3.0
14	18.4	29.8	21.7	87.3	2.4	1.7	4.1	2.4
15	17.8	26.6	21.7	86.3	.2	0.0	.2	4.0
16	18.4	29.8	22.8	74.7	0.0	0.0	0.0	6.6
17	16.4	30.6	23.2	76.0	0.0	0.0	0.0	9.1
18	16.2	29.2	22.7	79.0	0.0	0.0	0.0	7.2
19	16.8	28.6	23.1	75.0	0.0	0.0	0.0	5.7
20	18.6	27.4	21.9	86.0	1.2	0.0	1.2	3.3
21	16.4	28.8	23.5	79.3	0.0	0.0	0.0	6.4
22	18.2	31.6	24.7	76.3	0.0	0.0	0.0	7.7
23	18.6	25.0	21.6	90.0	.9	.1	1.0	0.0
24	19.0	26.2	20.6	90.7	2.5	8.1	10.6	1.9
25	17.4	28.8	21.8	82.3	.4	8.3	8.7	6.0
26	18.0	27.2	21.4	84.3	.9	21.6	22.5	1.7
27	16.2	24.8	20.1	90.3	.9	0.0	.9	.2
28	18.2	26.4	21.0	82.3	.4	.2	.6	2.6
29	17.8	29.6	23.2	78.3	0.0	20.0	20.0	5.1
30	17.8	23.2	19.9	83.3	5.7	0.0	5.7	.1
31								
Total					65.4	193.9	259.3	122.2
Promedio	17.7	27.9	22.0	82.3				

Estación : EL PILAMO
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 52 'N
Longitud : 75 ° 48 'W
Altitud : 1070 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.4	29.5	22.3	81.7	0.0	0.0	0.0	6.1
2	17.6	26.0	21.6	86.3	1.8	0.0	1.8	1.0
3	17.0	28.6	22.2	82.3	0.0	9.5	9.5	4.9
4	17.8	24.8	20.4	87.7	0.0	0.0	0.0	0.0
5	16.6	27.4	20.6	86.3	8.9	4.2	13.1	5.4
6	18.0	27.4	22.5	82.0	.5	27.1	27.6	3.8
7	17.8	26.4	21.8	83.0	0.0	0.0	0.0	4.7
8	15.8	28.3	21.9	79.7	0.0	1.8	1.8	3.7
9	16.6	25.8	20.8	87.3	0.0	22.5	22.5	2.8
10	16.6	28.2	21.4	82.3	0.0	0.0	0.0	6.8
11	16.8	25.6	20.6	85.3	0.0	.6	.6	2.7
12	16.2	27.0	21.2	80.3	.1	17.9	18.0	5.2
13	17.4	24.6	20.4	89.3	.2	.1	.3	1.6
14	17.0	28.3	23.2	74.0	0.0	0.0	0.0	3.5
15	17.2	27.4	21.6	84.3	1.0	0.0	1.0	4.1
16	18.8	30.2	24.0	75.7	0.0	0.0	0.0	9.3
17	18.9	29.6	23.0	75.3	0.0	.3	.3	8.0
18	18.6	27.2	22.6	83.3	.6	.1	.7	1.3
19	18.2	28.0	22.1	82.7	.1	0.0	.1	4.3
20	16.8	28.8	23.2	77.3	4.8	0.0	4.8	4.7
21	17.8	28.6	21.0	85.0	24.6	.2	24.8	4.3
22	18.4	27.4	22.4	85.0	0.0	0.0	0.0	3.1
23	18.8	31.4	23.8	79.7	0.0	0.0	0.0	8.9
24	19.8	29.8	23.6	78.0	0.0	0.0	0.0	6.0
25	19.0	28.0	22.0	84.7	0.0	.3	.3	6.3
26	18.6	32.2	23.0	79.3	0.0	0.0	0.0	8.6
27	18.4	29.0	23.6	73.7	0.0	0.0	0.0	4.8
28	18.0	27.6	23.2	81.0	.1	0.0	.1	1.7
29	18.6	27.6	22.8	84.3	.5	0.0	.5	1.4
30	18.0	28.8	23.3	75.0	0.0	0.0	0.0	5.4
31	17.4	30.0	23.0	76.3	0.0	16.7	16.7	8.9
Total :					43.2	101.3	144.5	143.3
Promedio :	17.7	28.0	22.2	81.6				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.8	28.6	23.5	80.7	0.0	20.6	20.6	4.9
2	18.6	26.2	22.4	85.3	1.0	0.0	1.0	1.3
3	17.6	28.6	23.0	77.0	0.0	0.0	0.0	3.6
4	18.6	26.4	20.9	84.3	47.3	2.6	49.9	1.4
5	17.4	26.7	21.0	87.3	15.3	0.0	15.3	2.3
6	16.4	28.4	22.2	84.3	3.7	.2	3.9	1.5
7	18.8	27.0	21.4	86.3	.3	45.2	45.5	2.0
8	18.0	26.8	21.2	87.3	1.1	3.4	4.5	3.9
9	18.1	29.6	22.8	77.3	.2	0.0	.2	6.4
10	16.0	29.9	23.3	75.3	0.0	18.9	18.9	7.5
11	18.8	27.8	23.1	81.7	3.7	0.0	3.7	6.0
12	18.6	28.9	23.8	76.3	0.0	0.0	0.0	8.4
13	17.6	23.4	20.2	90.7	4.9	.2	5.1	0.0
14	16.4	28.0	22.0	83.0	.6	0.0	.6	4.2
15	17.2	25.4	21.4	84.3	1.4	0.0	1.4	1.3
16	18.0	26.8	21.3	83.7	11.7	.4	12.1	.9
17	16.4	29.8	23.1	75.0	0.0	2.8	2.8	7.2
18	17.8	23.2	20.2	92.3	1.9	0.0	1.9	0.0
19	18.0	28.8	23.4	76.3	0.0	1.5	1.5	5.9
20	18.2	29.0	22.6	81.0	0.0	0.0	0.0	3.5
21	17.8	25.0	20.2	92.0	16.3	5.7	22.0	.4
22	18.2	27.6	21.8	86.7	2.0	0.0	2.0	3.1
23	18.6	26.6	21.8	82.0	.3	0.0	.3	2.4
24	18.0	28.4	21.7	83.7	5.4	30.2	35.6	2.4
25	16.8	28.8	22.5	81.7	0.0	3.8	3.8	3.1
26	18.4	26.8	22.0	82.7	0.0	4.5	4.5	2.8
27	18.0	25.6	21.7	82.0	2.0	7.7	9.7	2.0
28	18.2	25.0	21.0	83.3	.2	0.0	.2	.9
29	15.2	27.8	21.4	83.0	.6	0.0	.6	4.9
30	16.8	29.0	23.5	71.3	0.0	6.5	6.5	7.2
31								
Total :					119.9	154.2	274.1	101.4
Promedio :	17.7	27.3	22.0	82.6				

Estación : EL PILAMO
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 52 'N
Longitud : 75 ° 48 'W
Altitud : 1070 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.6	25.4	20.8	88.3	1.4	8.2	9.6	2.6
2	16.8	26.9	21.9	79.0	0.0	15.0	15.0	3.3
3	17.6	27.0	20.4	83.7	20.7	17.5	38.2	2.6
4	16.8	29.4	22.2	80.7	0.0	0.0	0.0	6.9
5	18.4	27.8	22.7	73.3	.4	.8	1.2	6.7
6	17.0	27.9	21.8	75.7	.7	0.0	.7	4.0
7	16.6	27.6	21.6	80.3	2.5	39.8	42.3	3.4
8	17.4	27.2	22.5	77.7	0.0	0.0	0.0	3.9
9	17.8	28.8	22.7	77.7	0.0	0.0	0.0	5.6
10	15.8	29.8	23.2	71.0	0.0	.3	.3	6.9
11	18.2	28.9	23.2	73.0	0.0	0.0	0.0	5.6
12	18.6	29.6	22.0	81.3	1.4	.1	1.5	6.0
13	16.0	29.5	22.7	75.0	0.0	0.0	0.0	5.5
14	17.6	31.2	23.6	73.0	.3	0.0	.3	7.8
15	17.2	31.0	24.6	70.3	0.0	0.0	0.0	9.6
16	18.0	27.6	23.2	78.7	0.0	0.0	0.0	5.2
17	16.4	29.6	23.1	73.7	0.0	0.0	0.0	7.1
18	18.9	29.0	24.0	70.7	0.0	.8	.8	6.3
19	18.8	29.6	22.5	78.3	0.0	24.9	24.9	7.6
20	17.0	27.8	22.6	80.0	0.0	0.0	0.0	5.9
21	17.8	29.6	22.5	78.0	1.1	0.0	1.1	7.2
22	17.0	29.0	21.8	86.7	.4	1.0	1.4	3.9
23	18.6	29.8	22.7	78.3	0.0	0.0	0.0	5.7
24	17.6	28.8	22.8	79.0	0.0	0.0	0.0	4.6
25	17.9	31.2	24.4	76.7	0.0	0.0	0.0	6.7
26	18.4	29.0	22.9	76.0	.4	.5	.9	4.5
27	18.0	29.8	22.6	76.0	0.0	0.0	0.0	3.7
28	19.0	29.5	23.0	76.7	.7	.6	1.3	4.8
29	18.2	27.0	23.2	78.0	.2	0.0	.2	3.2
30	16.6	28.4	23.2	74.7	0.0	.5	.5	6.9
31	18.2	30.6	22.0	79.7	2.8	0.0	2.8	5.1
Total :					33.0	110.0	143.0	168.8
Promedio :	17.6	28.8	22.7	77.5				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.2	30.0	23.2	82.0	0.0	0.0	0.0	6.9
2	17.8	28.4	23.0	73.0	1.3	.7	2.0	4.6
3	18.2	26.4	20.9	85.0	4.0	0.0	4.0	3.6
4	17.2	29.2	23.0	75.3	0.0	1.2	1.2	6.5
5	18.9	29.6	23.5	75.0	0.0	0.0	0.0	5.7
6	17.8	29.9	24.0	76.0	0.0	42.2	42.2	5.9
7	16.8	29.0	21.8	82.0	0.0	2.7	2.7	7.3
8	18.4	30.2	23.6	77.7	0.0	0.0	0.0	7.9
9	18.8	27.0	21.6	89.0	.8	0.0	.8	1.1
10	15.2	30.2	23.3	74.3	0.0	0.0	0.0	7.2
11	17.4	27.9	23.2	75.0	0.0	0.0	0.0	2.9
12	17.2	29.6	23.0	77.7	0.0	2.1	2.1	4.0
13	17.6	28.4	20.6	84.0	5.1	1.2	6.3	3.5
14	18.4	28.4	22.1	79.7	.6	23.8	24.4	4.8
15	16.0	27.6	21.9	77.7	0.0	0.0	0.0	4.1
16	16.9	29.4	22.8	75.0	0.0	24.2	24.2	6.3
17	16.2	26.6	21.5	79.3	0.0	0.0	0.0	5.3
18	17.8	27.8	21.5	84.0	.1	0.0	.1	3.6
19	17.0	27.5	22.3	76.0	0.0	0.0	0.0	3.6
20	15.8	30.6	23.5	71.7	0.0	2.5	2.5	8.4
21	17.2	24.4	19.3	89.3	3.6	0.0	3.6	0.0
22	15.2	28.6	22.1	80.0	0.0	0.0	0.0	7.6
23	15.8	27.4	21.1	80.7	1.2	0.0	1.2	4.8
24	15.2	26.4	20.6	87.7	.1	0.0	.1	4.7
25	16.8	25.4	20.7	86.7	1.0	1.9	2.9	.1
26	17.8	28.8	22.4	79.7	0.0	2.2	2.2	5.6
27	18.8	27.4	22.4	80.3	.4	0.0	.4	2.9
28	18.0	27.7	21.8	83.3	1.0	0.0	1.0	3.9
29	17.0	30.6	24.1	75.7	3.9	0.0	3.9	7.3
30	18.0	29.6	23.2	78.7	0.0	0.0	0.0	5.7
31	16.6	29.8	22.2	78.7	1.0	0.0	1.0	7.5
Total :					24.1	104.7	128.8	153.3
Promedio :	17.2	28.4	22.3	79.7				

Estación : EL PILAMO
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 52 'N
Longitud : 75 ° 48 'W
Altitud : 1070 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	28.0	20.9	86.3	44.5	32.2	76.7	3.3
2	17.2	27.8	21.9	81.3	.3	0.0	.3	3.0
3	17.8	26.9	22.8	80.7	0.0	0.0	0.0	2.1
4	16.8	27.7	21.5	85.3	.5	.3	.8	2.3
5	17.4	25.8	20.2	90.3	.7	0.0	.7	1.4
6	16.2	29.0	21.7	79.3	0.0	0.0	0.0	1.6
7	16.6	28.8	22.0	79.7	0.0	6.0	6.0	4.2
8	17.8	28.2	21.5	79.0	0.0	0.0	0.0	3.2
9	16.4	27.6	21.0	82.3	0.0	16.1	16.1	2.8
10	17.6	25.8	20.9	88.0	.4	0.0	.4	1.1
11	17.8	27.2	20.6	83.0	7.0	2.4	9.4	2.6
12	17.6	25.6	19.7	85.7	10.5	4.2	14.7	2.5
13	16.6	27.8	20.4	85.3	2.5	7.2	9.7	6.0
14	16.0	24.0	19.7	87.0	0.0	0.0	0.0	.6
15	16.4	27.6	21.4	82.0	0.0	0.0	0.0	4.2
16	16.2	30.4	22.0	78.7	0.0	52.0	52.0	7.2
17	17.0	26.0	20.4	86.0	4.5	0.0	4.5	1.5
18	16.0	27.8	21.5	84.0	0.0	0.0	0.0	3.7
19	17.0	29.0	23.0	82.0	0.0	3.1	3.1	3.7
20	18.0	27.4	22.0	81.0	0.0	0.0	0.0	4.4
21	17.0	28.4	21.6	83.0	.1	21.5	21.6	3.3
22	17.0	27.8	22.0	79.7	3.1	5.3	8.4	5.2
23	17.0	27.4	20.0	88.0	4.1	0.0	4.1	2.4
24	17.8	26.6	21.2	82.0	0.0	22.2	22.2	5.0
25	18.0	26.9	20.8	84.0	.4	12.0	12.4	2.7
26	16.8	28.0	20.8	82.7	4.0	13.2	17.2	4.4
27	17.8	27.6	20.1	86.0	30.7	20.0	50.7	2.5
28	17.4	25.0	20.4	84.3	.5	3.8	4.3	.4
29	17.0	26.0	20.8	80.7	0.0	0.0	0.0	.9
30	17.4	29.8	21.1	80.7	2.6	17.8	20.4	6.7
31								
Total					116.4	239.3	355.7	94.9
Promedio	17.1	27.4	21.1	83.3				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.8	24.4	19.9	85.7	0.0	0.0	0.0	.5
2	17.2	28.4	22.0	82.0	0.0	0.0	0.0	3.7
3	18.2	29.8	22.5	75.3	.7	2.4	3.1	5.7
4	18.5	29.4	21.6	80.7	.6	0.0	.6	4.1
5	16.8	27.6	21.4	80.7	0.0	7.9	7.9	3.6
6	15.6	26.6	19.8	82.7	4.2	0.0	4.2	1.6
7	15.8	29.4	20.2	80.7	1.4	0.0	1.4	5.9
8	16.4	29.2	21.5	79.0	0.0	3.5	3.5	6.9
9	17.8	27.4	21.1	83.7	8.3	0.0	8.3	1.7
10	17.4	27.0	21.8	82.3	1.0	.8	1.8	3.7
11	17.8	28.6	21.8	78.0	.1	0.0	.1	5.0
12	17.8	29.2	21.8	78.0	.1	0.0	.1	4.1
13	16.6	27.6	22.0	77.0	.4	0.0	.4	4.3
14	18.2	29.6	23.8	73.7	0.0	8.5	8.5	5.2
15	18.2	27.6	22.0	78.3	0.0	25.5	25.5	3.0
16	16.8	25.0	20.8	81.7	1.4	2.7	4.1	2.6
17	17.2	25.6	20.9	85.3	0.0	0.0	0.0	1.4
18	15.8	29.6	21.3	79.0	6.1	6.0	12.1	8.3
19	18.2	29.2	22.6	73.0	0.0	1.0	1.0	4.8
20	18.0	26.0	21.3	86.3	.4	8.4	8.8	2.1
21	17.2	28.6	21.9	81.7	.6	.7	1.3	4.4
22	18.4	27.6	21.0	81.3	17.9	2.3	20.2	1.9
23	18.2	26.8	22.1	78.0	0.0	0.0	0.0	2.0
24	18.6	29.8	22.4	77.0	0.0	3.8	3.8	4.9
25	18.8	28.7	21.0	83.3	5.1	3.5	8.6	3.3
26	16.8	28.5	22.0	79.3	.1	5.7	5.8	4.5
27	18.4	27.8	22.2	78.0	0.0	43.6	43.6	6.3
28	17.8	26.6	21.5	75.3	.6	7.4	8.0	2.0
29	15.8	27.6	21.0	78.0	2.2	4.2	6.4	5.4
30	18.0	25.6	20.7	83.7	.2	0.0	.2	.4
31	16.6	29.8	22.7	77.7	0.0	15.3	15.3	3.9
Total					51.4	153.2	204.6	117.2
Promedio	17.4	27.9	21.6	79.9				

Estación : EL PILAMO
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 52 'N
Longitud : 75 ° 48 'W
Altitud : 1070 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.8	29.4	21.8	83.3	3.1	0.0	3.1	5.3
2	17.6	29.0	23.2	72.3	0.0	1.6	1.6	6.2
3	18.6	28.2	22.4	79.7	.8	4.3	5.1	4.4
4	19.0	27.6	21.7	81.0	2.1	14.3	16.4	4.3
5	18.6	29.8	23.2	79.0	0.0	14.0	14.0	6.9
6	19.2	28.2	22.4	82.3	4.7	24.2	28.9	4.2
7	18.2	27.4	21.0	86.3	9.7	0.0	9.7	4.2
8	18.4	27.4	21.4	80.0	2.4	0.0	2.4	2.3
9	18.6	29.8	22.8	79.3	0.0	0.0	0.0	7.1
10	19.2	31.2	24.0	73.0	0.0	6.0	6.0	7.3
11	17.6	24.8	21.2	83.0	.7	0.0	.7	.7
12	17.4	27.6	22.9	74.0	1.3	2.0	3.3	3.8
13	18.4	28.4	21.8	80.3	.5	0.0	.5	3.8
14	16.9	29.8	23.5	73.7	0.0	.8	.8	9.2
15	17.0	24.4	20.1	84.3	0.0	0.0	0.0	1.2
16	16.0	27.6	22.0	78.3	0.0	4.7	4.7	9.2
17	16.6	29.4	22.0	76.3	.3	36.1	36.4	9.0
18	18.0	24.8	21.1	83.3	.3	18.7	19.0	1.8
19	17.9	25.4	20.8	86.0	2.8	30.8	33.6	1.1
20	18.2	24.6	20.7	83.3	16.7	4.4	21.1	.9
21	17.4	25.4	20.7	84.7	0.0	16.2	16.2	3.3
22	17.6	23.6	19.8	87.3	.4	21.6	22.0	.4
23	17.4	28.5	21.8	75.0	.1	0.0	.1	6.8
24	17.2	27.8	20.2	82.7	18.0	12.0	30.0	4.9
25	17.0	27.4	21.0	78.3	.3	.4	.7	4.8
26	16.8	27.8	22.4	79.0	0.0	0.0	0.0	8.2
27	18.0	29.6	23.4	74.3	0.0	31.2	31.2	5.1
28	18.2	28.9	23.1	77.0	.2	0.0	.2	4.8
29	18.9	28.6	23.3	74.3	0.0	22.6	22.6	6.0
30	18.0	27.7	20.8	83.7	20.3	4.8	25.1	3.2
31								
Total					84.7	270.7	355.4	140.4
Promedio :	17.9	27.7	21.9	79.8				

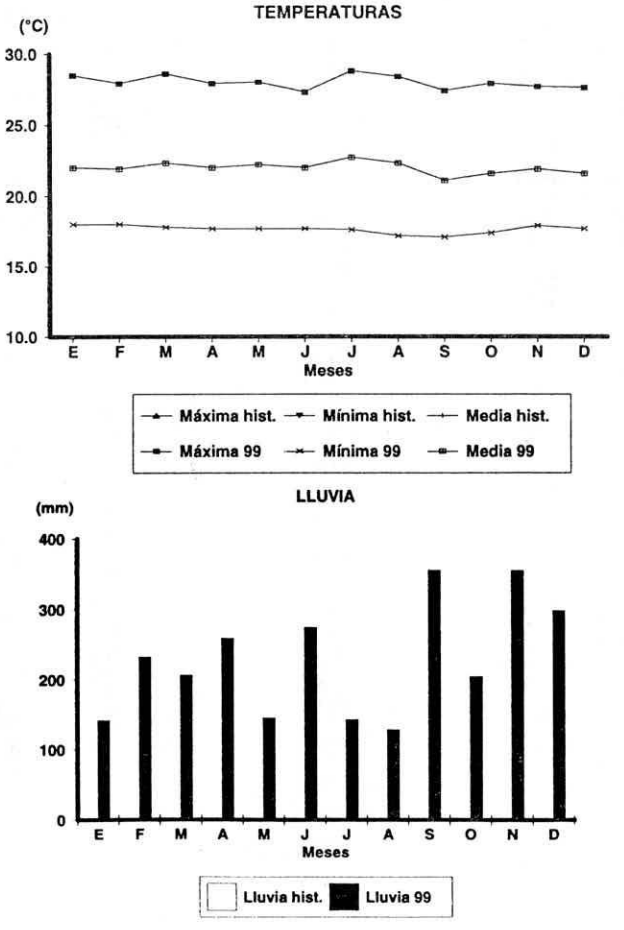
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	24.4	20.0	88.0	0.0	.3	.3	.3
2	16.8	26.8	21.6	81.7	.1	.2	.3	3.5
3	18.0	25.4	21.2	82.7	.1	3.4	3.5	.7
4	18.4	27.9	22.0	83.3	2.0	44.0	46.0	3.5
5	18.2	26.8	21.0	82.7	0.0	0.0	0.0	3.3
6	18.6	27.8	21.0	81.7	.2	.1	.3	3.6
7	18.5	28.2	21.8	80.0	0.0	0.0	0.0	4.4
8	17.4	29.8	23.1	74.7	0.0	18.5	18.5	7.6
9	19.0	30.8	23.6	75.3	0.0	8.5	8.5	8.1
10	19.4	26.2	21.8	84.0	.3	0.0	.3	2.0
11	17.6	27.8	22.3	77.3	0.0	10.9	10.9	5.0
12	18.8	25.8	21.0	88.0	5.4	10.0	15.4	1.8
13	18.0	28.0	20.9	85.3	12.6	42.2	54.8	3.6
14	17.8	26.0	21.8	82.7	.5	20.3	20.8	3.1
15	18.4	26.9	22.2	79.7	.2	17.2	17.4	1.9
16	17.8	27.4	21.4	84.0	4.4	14.7	19.1	3.4
17	18.2	28.2	22.2	81.7	0.0	19.7	19.7	3.8
18	18.6	27.8	22.0	82.7	2.4	.1	2.5	4.4
19	18.9	29.6	22.6	79.3	.3	17.7	18.0	6.6
20	19.6	28.0	22.2	81.7	2.1	1.1	3.2	4.5
21	19.0	27.6	22.8	81.7	0.0	1.5	1.5	6.4
22	18.0	25.6	20.8	90.3	10.1	.3	10.4	.7
23	18.1	27.0	20.8	84.3	0.0	.6	.6	5.0
24	17.4	27.4	21.3	82.0	0.0	24.7	24.7	3.3
25	16.2	27.0	20.6	76.7	0.0	0.0	0.0	4.8
26	14.2	28.4	20.4	77.3	0.0	0.0	0.0	7.9
27	16.8	28.6	21.8	80.0	0.0	0.0	0.0	8.8
28	15.2	28.2	21.2	76.0	0.0	0.0	0.0	8.6
29	15.0	28.0	21.2	75.0	0.0	0.0	0.0	7.7
30	14.4	29.0	21.6	75.7	0.0	0.0	0.0	9.2
31	17.8	29.2	22.2	76.0	0.0	1.8	1.8	6.7
Total					40.7	257.8	298.5	144.2
Promedio :	17.7	27.6	21.6	81.0				

Estación : EL PILAMO
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 52 'N
Longitud : 75 ° 48 'W
Altitud : 1070 m

MES	TEMPERATURA °C						PRECIPITACION		
	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	18.0	28.5	22.0	31.2	16.0	82.6	141.6	21	138.7
Febrero	18.0	27.9	21.9	32.3	16.8	82.8	232.1	23	86.8
Marzo	17.8	28.6	22.3	31.8	16.0	80.5	206.0	21	127.4
Abril	17.7	27.9	22.0	31.6	16.2	82.3	259.3	21	122.2
Mayo	17.7	28.0	22.2	32.2	15.4	81.6	144.5	19	143.3
Junio	17.7	27.3	22.0	29.9	15.2	82.6	274.1	27	101.4
Julio	17.6	28.8	22.7	31.2	15.8	77.5	143.0	18	168.8
Agosto	17.2	28.4	22.3	30.6	15.2	79.7	128.8	21	153.3
Septiembre	17.1	27.4	21.1	30.4	16.0	83.3	355.7	22	94.9
Octubre	17.4	27.9	21.6	29.8	15.6	79.9	204.6	27	117.2
Noviembre	17.9	27.7	21.9	31.2	16.0	79.8	355.4	27	140.4
Diciembre	17.7	27.6	21.6	30.8	14.2	81.0	298.5	23	144.2
Promedio :	17.6	28.0	22.0			81.1			
Absoluta :				32.3	14.2				
Total :							2743.6	270	1538.6



Estación : LA CATALINA
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 45 'N
Longitud : 75 ° 44 'W
Altitud : 1310 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.4	27.0	21.4	80.0	0.0	0.0	0.0	3.9
2	17.8	26.2	21.0	82.7	.8	1.3	2.1	3.1
3	16.4	28.0	21.0	81.0	4.0	0.0	4.0	5.6
4	17.8	27.0	20.3	85.3	53.0	1.8	54.8	2.8
5	17.6	25.8	20.7	82.7	1.1	0.0	1.1	4.9
6	17.6	26.0	20.8	81.0	.4	0.0	.4	2.9
7	18.0	28.4	20.8	80.7	38.0	9.2	47.2	6.6
8	17.6	26.0	20.8	86.0	7.8	.2	8.0	1.3
9	17.4	27.0	20.8	83.3	6.1	2.1	8.2	1.7
10	17.6	28.0	19.8	84.0	40.7	1.6	42.3	5.1
11	16.4	25.3	20.3	83.7	3.2	6.2	9.4	1.2
12	16.2	24.8	19.3	93.0	0.0	0.0	0.0	.9
13	16.4	27.0	21.2	74.3	1.1	.1	1.2	4.7
14	17.4	24.8	20.7	75.3	0.0	0.0	0.0	2.1
15	16.8	27.2	20.4	73.3	0.0	0.0	0.0	7.3
16	16.4	25.2	20.0	83.3	0.0	0.0	0.0	3.2
17	15.6	28.0	21.4	70.3	.2	0.0	.2	7.1
18	16.4	28.6	21.5	75.3	.1	6.8	6.9	5.8
19	16.0	26.0	21.2	76.7	.2	0.0	.2	2.2
20	18.0	26.4	20.8	77.0	1.1	15.9	17.0	3.0
21	16.0	27.8	20.8	80.0	2.6	0.0	2.6	5.6
22	17.0	25.6	19.9	84.3	.9	1.8	2.7	2.8
23	17.4	26.8	20.8	80.7	.1	.2	.3	4.1
24	17.5	23.6	20.4	82.3	2.2	7.0	9.2	.4
25	17.8	25.8	21.6	78.7	0.0	0.0	0.0	2.2
26	17.4	27.6	21.6	75.3	9.7	4.2	13.9	6.3
27	17.8	26.0	20.0	81.3	1.9	0.0	1.9	3.5
28	16.8	24.2	20.1	84.3	0.0	0.0	0.0	.1
29	16.4	28.7	21.8	75.7	0.0	0.0	0.0	6.0
30	16.6	29.0	22.6	71.0	0.0	.2	.2	7.4
31	17.8	28.0	21.0	78.3	2.5	0.0	2.5	4.5
Total :					177.7	58.6	236.3	118.3
Promedio :	17.1	26.6	20.8	80.0				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.2	27.0	22.3	76.3	0.0	.1	.1	3.9
2	17.8	27.3	21.2	79.0	2.7	1.5	4.2	5.3
3	17.6	27.8	21.7	76.7	0.0	4.5	4.5	4.8
4	17.2	25.0	20.8	80.3	0.0	0.0	0.0	.9
5	17.4	26.8	21.2	77.3	.1	.6	.7	1.5
6	17.0	26.0	20.6	80.0	0.0	2.5	2.5	1.6
7	17.6	25.4	21.7	69.3	0.0	0.0	0.0	1.4
8	16.6	29.0	23.0	72.0	0.0	0.0	0.0	6.3
9	17.4	29.1	22.6	70.0	0.0	0.0	0.0	6.9
10	17.0	23.8	19.8	88.7	3.7	0.0	3.7	.2
11	16.2	27.2	21.2	78.7	2.0	0.0	2.0	4.4
12	17.8	24.8	21.6	78.0	.1	35.0	35.1	.8
13	17.1	24.6	18.8	91.3	2.9	0.0	2.9	0.0
14	17.2	25.3	20.3	83.3	.3	0.0	.3	2.9
15	16.7	24.6	19.0	85.3	19.3	0.0	19.3	.5
16	16.4	24.4	19.2	86.3	8.8	6.0	14.8	1.0
17	16.6	22.8	18.7	90.0	29.1	17.4	46.5	.2
18	16.0	26.0	19.6	80.3	.6	11.8	12.4	3.9
19	15.8	26.2	20.2	81.0	.3	13.3	13.6	5.2
20	16.2	24.2	19.2	83.7	.6	0.0	.6	1.8
21	16.4	26.8	20.0	77.3	5.8	10.8	16.6	1.6
22	16.0	25.8	20.0	78.3	.2	22.7	22.9	3.1
23	17.0	25.4	20.6	80.7	3.4	9.2	12.6	1.7
24	16.8	24.8	19.4	85.7	.8	45.6	46.4	2.1
25	16.3	26.8	20.9	77.0	0.0	0.0	0.0	4.4
26	17.8	27.6	21.1	77.3	.3	31.9	32.2	3.2
27	15.8	24.8	20.3	82.7	3.8	9.0	12.8	3.5
28	17.2	23.5	19.2	84.3	.4	7.6	8.0	.7
29								
30								
31								
Total :					85.2	229.5	314.7	73.8
Promedio :	16.9	25.8	20.5	80.4				

Estación : LA CATALINA
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 45 'N
Longitud : 75 ° 44 'W
Altitud : 1310 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	25.2	20.1	74.0	0.0	0.0	0.0	2.6
2	16.4	26.6	21.1	74.3	0.0	0.0	0.0	3.3
3	17.2	27.8	20.6	74.0	.8	0.0	.8	5.9
4	17.4	25.2	20.2	78.7	3.7	0.0	3.7	3.1
5	16.5	28.4	22.4	70.0	0.0	0.0	0.0	8.1
6	16.8	29.2	21.9	73.0	0.0	25.4	25.4	6.5
7	16.6	28.2	20.5	78.3	.1	0.0	.1	5.2
8	16.0	28.4	21.6	70.7	0.0	40.1	40.1	1.6
9	16.4	25.4	20.4	76.3	0.0	0.0	0.0	5.3
10	16.2	27.8	19.4	80.3	35.5	0.0	35.5	6.6
11	15.8	27.8	21.0	77.0	.1	0.0	.1	6.1
12	16.6	28.4	23.0	68.7	0.0	0.0	0.0	5.6
13	17.0	25.0	19.4	85.7	8.5	0.0	8.5	1.5
14	15.0	24.8	20.3	77.3	4.7	0.0	4.7	2.3
15	17.8	25.8	19.8	81.3	18.8	16.3	35.1	2.1
16	16.8	25.6	19.8	86.3	0.0	6.3	6.3	3.6
17	16.2	27.4	21.0	77.7	.4	53.1	53.5	3.3
18	16.4	25.2	19.9	82.0	0.0	0.0	0.0	1.0
19	17.4	26.4	20.4	82.3	0.0	8.0	8.0	2.6
20	16.8	26.2	19.8	79.7	40.2	0.0	40.2	1.8
21	16.7	26.0	21.3	77.7	0.0	.1	.1	2.4
22	17.8	27.6	21.9	74.0	0.0	0.0	0.0	3.0
23	17.0	26.8	22.0	76.0	0.0	0.0	0.0	1.8
24	18.2	25.4	19.7	91.3	8.4	0.0	8.4	1.1
25	17.4	28.8	22.8	74.7	0.0	0.0	0.0	4.9
26	17.9	27.4	22.2	73.0	0.0	0.0	0.0	.9
27	19.0	25.0	20.9	89.0	36.7	0.0	36.7	.3
28	18.0	24.0	19.2	95.3	9.1	6.1	15.2	1.2
29	16.8	25.2	20.6	85.0	17.0	0.0	17.0	3.7
30	18.0	27.0	21.5	81.0	.3	0.0	.3	2.6
31	18.4	28.2	21.8	79.0	.4	0.0	.4	4.6
Total :					184.7	155.4	340.1	104.6
Promedio :	17.0	26.7	20.9	78.8				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.2	27.5	20.5	81.7	5.0	0.0	5.0	2.1
2	17.8	28.5	23.1	67.7	0.0	33.3	33.3	4.3
3	17.1	22.7	19.0	89.7	0.0	0.0	0.0	0.0
4	16.8	27.0	21.4	75.0	0.0	41.2	41.2	3.1
5	15.4	27.4	21.5	71.0	0.0	1.3	1.3	6.9
6	16.4	28.0	21.9	70.7	0.0	2.4	2.4	8.6
7	17.8	27.6	20.8	80.7	4.8	14.8	19.6	4.4
8	17.8	26.4	19.9	86.0	2.4	5.1	7.5	2.4
9	17.6	25.2	19.8	85.0	2.0	0.0	2.0	.8
10	17.0	25.3	19.0	85.3	20.8	1.2	22.0	1.9
11	16.2	26.0	21.4	79.0	0.0	11.5	11.5	5.0
12	16.8	26.8	21.2	83.0	0.0	28.0	28.0	4.4
13	16.6	24.0	20.6	83.0	.8	0.0	.8	2.6
14	18.2	25.4	20.9	86.3	1.5	2.0	3.5	1.5
15	17.0	26.0	21.0	85.3	1.7	0.0	1.7	4.2
16	17.8	28.4	22.5	69.0	0.0	0.0	0.0	7.7
17	16.8	29.0	22.8	67.7	0.0	0.0	0.0	8.9
18	16.4	28.5	22.2	72.7	0.0	0.0	0.0	6.8
19	16.8	28.0	22.6	69.0	0.0	0.0	0.0	5.3
20	17.8	25.1	21.1	87.0	1.0	0.0	1.0	2.7
21	17.0	28.0	22.1	78.0	0.0	0.0	0.0	6.6
22	17.8	28.8	23.6	73.7	3.4	8.8	12.2	5.9
23	18.4	23.8	20.7	91.0	.5	0.0	.5	0.0
24	17.8	24.2	19.0	92.3	29.8	5.2	35.0	.7
25	16.6	25.7	20.1	81.3	.7	33.9	34.6	5.6
26	16.8	25.4	21.0	77.3	.3	30.6	30.9	2.3
27	15.8	22.8	19.4	89.0	2.1	0.0	2.1	.1
28	17.0	25.4	19.8	89.0	.6	0.0	.6	2.5
29	17.2	27.4	21.6	77.0	0.0	40.3	40.3	5.4
30	16.4	22.2	18.5	90.7	6.2	0.0	6.2	0.0
31								
Total :					83.6	259.6	343.2	112.7
Promedio :	17.1	26.2	21.0	80.5				

Estación : LA CATALINA
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 45 'N
Longitud : 75 ° 44 'W
Altitud : 1310 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	27.0	20.0	76.7	2.1	.1	2.2	5.9
2	17.2	24.2	20.3	87.3	1.0	0.0	1.0	1.0
3	17.0	26.2	21.8	77.0	0.0	21.9	21.9	3.0
4	16.2	24.0	20.4	84.0	3.7	1.0	4.7	.1
5	16.0	26.4	20.3	79.7	0.0	2.5	2.5	5.3
6	17.2	26.0	20.2	77.3	0.0	53.7	53.7	2.8
7	16.8	24.4	19.8	80.7	1.3	9.0	10.3	3.9
8	16.0	27.0	20.2	81.0	6.5	0.0	6.5	3.9
9	16.6	25.2	18.4	88.7	1.7	5.7	7.4	1.4
10	15.6	26.4	20.2	76.0	0.0	0.0	0.0	6.0
11	16.8	23.6	19.9	78.3	0.0	1.3	1.3	2.5
12	15.6	25.0	20.4	76.7	.5	36.4	36.9	4.4
13	16.4	23.2	19.7	87.7	.4	0.0	.4	1.2
14	16.2	25.8	21.2	74.7	1.1	0.0	1.1	4.0
15	17.0	25.5	21.3	82.0	.7	10.9	11.6	2.8
16	17.7	28.2	22.8	70.0	0.0	0.0	0.0	8.5
17	17.8	28.2	22.4	71.0	0.0	0.0	0.0	7.9
18	18.0	25.2	21.0	87.0	1.0	0.0	1.0	.9
19	18.1	27.0	20.9	82.3	5.0	0.0	5.0	4.4
20	17.2	27.4	21.8	74.7	0.0	0.0	0.0	4.9
21	17.6	26.9	21.6	77.3	0.0	0.0	0.0	2.8
22	18.6	27.0	21.2	80.3	3.0	0.0	3.0	2.0
23	16.8	29.2	23.2	71.7	0.0	0.0	0.0	8.2
24	17.8	28.0	22.6	79.0	3.2	.4	3.6	4.4
25	17.2	25.8	21.0	83.7	.9	0.0	.9	4.7
26	17.9	29.2	22.5	73.7	0.0	0.0	0.0	8.8
27	18.4	27.6	21.8	77.0	0.0	0.0	0.0	4.7
28	18.0	26.3	22.0	81.0	.4	0.0	.4	1.7
29	18.2	26.3	20.9	79.0	9.1	0.0	9.1	.7
30	17.0	27.0	21.8	80.7	4.2	0.0	4.2	6.0
31	17.4	28.6	21.4	78.7	13.6	0.0	13.6	6.9
Total					59.4	142.9	202.3	125.7
Promedio	17.1	26.4	21.1	79.2				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.4	25.8	22.2	78.3	1.5	14.7	16.2	2.9
2	17.6	26.2	20.9	84.0	.5	0.0	.5	1.9
3	17.2	26.4	21.8	76.3	0.0	0.0	0.0	3.0
4	16.9	24.8	19.0	91.0	8.5	10.3	18.8	.8
5	16.2	24.2	19.8	85.0	1.5	0.0	1.5	2.9
6	16.0	25.0	20.2	84.0	2.8	0.0	2.8	1.8
7	18.2	24.7	20.0	90.7	2.5	23.1	25.6	1.2
8	17.2	25.4	19.4	84.7	3.2	0.0	3.2	3.1
9	17.4	26.6	21.8	74.0	.1	0.0	.1	6.4
10	15.0	27.8	22.0	75.3	0.0	15.7	15.7	7.0
11	17.7	25.8	21.4	79.3	.7	0.0	.7	3.2
12	17.6	28.0	23.0	73.0	0.0	32.8	32.8	7.0
13	16.8	22.0	18.0	91.0	34.2	.2	34.4	.1
14	15.4	25.4	20.2	82.3	.1	0.0	.1	3.1
15	16.6	23.8	19.5	92.0	4.3	0.0	4.3	1.9
16	17.2	24.8	19.7	84.7	5.9	.3	6.2	.7
17	15.4	27.2	19.3	80.3	13.2	31.3	44.5	6.2
18	15.8	22.2	19.4	90.0	1.8	0.0	1.8	.1
19	16.8	26.5	21.7	79.3	0.0	0.0	0.0	3.7
20	17.2	26.6	20.6	83.7	12.3	0.0	12.3	3.5
21	17.8	24.2	20.0	89.0	8.1	0.0	8.1	.5
22	17.2	25.4	20.8	80.7	.1	4.5	4.6	3.5
23	17.2	24.8	20.3	82.0	.2	0.0	.2	1.8
24	17.0	26.6	21.3	74.0	0.0	9.8	9.8	2.4
25	15.9	25.0	21.0	81.3	0.0	5.1	5.1	1.9
26	17.0	24.5	19.5	85.0	5.5	10.4	15.9	1.7
27	16.4	25.6	20.5	82.3	1.0	2.3	3.3	2.1
28	16.8	23.8	20.2	80.0	0.0	0.0	0.0	.6
29	14.8	26.4	19.8	76.7	17.4	0.0	17.4	3.8
30	16.6	27.3	21.8	75.7	0.0	10.6	10.6	5.4
31								
Total					125.4	171.1	296.5	84.2
Promedio	16.8	25.4	20.5	82.2				

Estación : LA CATALINA
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 45 'N
Longitud : 75 ° 44 'W
Altitud : 1310 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.2	24.0	20.1	83.7	1.7	0.0	1.7	1.4
2	16.8	27.0	20.8	77.3	0.0	1.2	1.2	4.7
3	17.4	24.2	20.1	80.7	.1	.2	.3	1.9
4	16.0	26.8	21.1	76.0	0.0	0.0	0.0	5.1
5	16.2	27.5	21.9	74.7	0.0	0.0	0.0	6.9
6	16.6	25.2	19.9	77.7	3.5	0.0	3.5	3.4
7	16.0	25.0	20.0	80.3	4.2	0.0	4.2	3.0
8	16.1	25.0	20.2	81.7	2.3	0.0	2.3	3.7
9	17.0	25.5	21.2	76.7	0.0	0.0	0.0	4.3
10	15.0	28.2	21.8	68.7	0.0	0.0	0.0	8.4
11	17.2	26.5	21.4	73.3	0.0	0.0	0.0	4.7
12	17.0	26.4	20.6	81.0	4.7	0.0	4.7	4.6
13	15.6	27.6	21.6	71.7	0.0	0.0	0.0	8.3
14	16.8	28.8	22.0	71.7	3.9	0.0	3.9	7.7
15	16.8	28.8	23.0	69.7	0.0	0.0	0.0	8.9
16	16.6	26.8	21.0	80.3	2.0	0.0	2.0	5.5
17	15.8	28.0	21.0	78.3	11.9	0.0	11.9	6.6
18	16.8	27.2	22.4	74.3	0.0	0.0	0.0	5.5
19	17.8	27.2	21.1	77.3	.2	15.5	15.7	3.5
20	16.0	26.0	21.6	80.7	1.3	0.0	1.3	6.0
21	17.8	28.0	21.4	74.0	12.3	0.0	12.3	6.3
22	17.0	26.4	21.4	78.3	2.7	.4	3.1	3.3
23	17.6	27.0	20.8	81.3	1.1	0.0	1.1	4.6
24	16.5	26.4	20.4	81.3	3.1	0.0	3.1	5.9
25	16.8	29.1	22.0	73.3	.4	0.0	.4	6.6
26	17.2	28.0	22.2	75.0	0.0	1.4	1.4	5.0
27	18.0	27.2	22.3	77.0	0.0	0.0	0.0	4.9
28	18.4	27.6	21.0	77.0	7.0	0.0	7.0	3.3
29	17.6	26.6	21.5	77.0	.7	0.0	.7	3.4
30	16.8	28.1	22.2	73.7	0.0	.6	.6	7.6
31	17.4	28.0	21.4	74.0	0.0	0.0	0.0	4.3
Total					63.1	19.3	82.4	159.3
Promedio	16.8	26.9	21.3	76.7				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.4	28.7	21.2	83.7	2.6	0.0	2.6	7.3
2	16.2	24.8	19.5	86.3	35.2	.2	35.4	2.0
3	17.0	24.0	19.8	82.3	1.9	0.0	1.9	2.6
4	16.1	26.2	21.8	71.3	0.0	0.0	0.0	4.2
5	17.2	28.8	22.2	72.0	0.0	0.0	0.0	6.2
6	16.8	28.0	22.4	72.0	0.0	10.2	10.2	5.5
7	15.6	26.8	21.3	79.3	0.0	0.0	0.0	4.4
8	18.0	28.2	21.8	77.0	.4	0.0	.4	6.2
9	18.0	25.1	20.0	85.3	6.6	0.0	6.6	1.4
10	15.2	27.2	21.5	74.3	0.0	0.0	0.0	7.2
11	17.4	26.4	21.4	78.3	1.1	0.0	1.1	5.6
12	16.8	27.2	21.3	77.7	0.0	0.0	0.0	4.3
13	17.4	25.8	20.4	80.7	1.2	.6	1.8	3.3
14	17.2	26.0	20.1	79.0	1.5	29.5	31.0	5.4
15	15.0	27.8	20.5	77.3	0.0	0.0	0.0	6.2
16	16.0	27.2	21.8	77.7	0.0	0.0	0.0	5.8
17	15.8	24.8	21.2	78.7	.2	0.0	.2	3.2
18	16.8	26.0	20.8	77.0	.2	0.0	.2	2.8
19	16.5	26.2	21.3	73.0	0.0	0.0	0.0	3.4
20	16.0	28.0	22.1	69.3	0.0	1.0	1.0	6.6
21	16.0	22.2	17.5	94.0	12.1	0.0	12.1	0.0
22	14.2	26.6	21.3	70.7	0.0	0.0	0.0	7.8
23	15.6	25.0	20.4	83.0	6.4	0.0	6.4	3.9
24	16.0	26.2	21.2	79.3	.2	0.0	.2	4.4
25	16.6	22.0	19.3	89.3	13.3	1.5	14.8	0.0
26	16.3	26.8	20.6	75.3	.5	5.9	6.4	4.4
27	17.6	26.2	20.9	76.3	.6	0.0	.6	.9
28	17.0	25.6	20.7	84.7	.6	.8	1.4	1.6
29	16.8	27.8	22.2	76.3	0.0	0.0	0.0	7.5
30	16.4	28.2	22.2	74.3	0.0	0.0	0.0	4.2
31	16.6	28.2	22.0	76.0	.1	0.0	.1	7.9
Total					84.7	49.7	134.4	136.2
Promedio	16.5	26.4	21.0	78.4				

Estación : LA CATALINA
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 45 'N
Longitud : 75 ° 44 'W
Altitud : 1310 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	27.4	20.2	85.7	14.9	14.1	29.0	3.5
2	16.8	25.0	20.6	83.3	0.0	0.0	0.0	1.8
3	17.0	25.4	20.8	81.3	0.0	0.0	0.0	2.2
4	17.0	24.2	19.5	94.0	3.9	0.0	3.9	1.9
5	16.0	24.6	19.6	88.7	.7	0.0	.7	.7
6	16.6	26.9	20.8	83.3	.9	0.0	.9	6.2
7	17.2	27.0	21.4	79.0	0.0	6.3	6.3	3.8
8	17.4	26.8	20.7	85.0	0.0	0.0	0.0	3.4
9	16.6	26.0	20.0	92.0	.9	44.5	45.4	1.7
10	17.0	22.6	19.4	94.0	2.9	0.0	2.9	.3
11	16.8	25.2	19.2	94.0	4.8	13.5	18.3	3.0
12	17.0	22.8	18.9	91.3	2.2	.2	2.4	1.1
13	16.0	26.4	19.4	85.0	45.7	21.5	67.2	4.0
14	15.8	20.4	18.1	92.0	0.0	0.0	0.0	0.0
15	15.8	26.5	20.8	83.3	0.0	0.0	0.0	3.8
16	16.2	27.6	21.3	77.7	0.0	14.5	14.5	6.4
17	16.4	23.8	19.0	86.7	4.6	0.0	4.6	2.3
18	15.0	25.8	20.9	82.3	0.0	0.0	0.0	3.0
19	17.6	27.8	22.4	78.0	0.0	1.8	1.8	3.8
20	17.0	25.8	20.6	87.0	.2	0.0	.2	5.2
21	16.4	25.2	20.4	85.0	.4	16.8	17.2	1.0
22	16.6	25.4	21.2	78.7	0.0	0.0	0.0	3.2
23	16.6	25.4	19.2	86.7	3.2	0.0	3.2	1.7
24	17.0	25.2	20.2	85.7	2.4	1.3	3.7	4.5
25	17.2	25.2	19.3	87.0	5.3	21.1	26.4	2.1
26	16.0	26.4	19.7	83.7	1.3	13.1	14.4	3.7
27	16.4	25.6	20.0	85.7	1.2	10.9	12.1	2.3
28	16.4	25.4	19.2	87.3	19.0	2.6	21.6	1.2
29	16.4	24.2	19.6	85.3	0.0	0.0	0.0	1.9
30	16.6	27.2	21.0	80.0	0.0	10.0	10.0	5.3
31								
Total :					114.5	192.2	306.7	85.0
Promedio :	16.6	25.4	20.1	85.6				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.8	22.6	18.6	90.0	1.7	0.0	1.7	.5
2	15.7	24.8	20.7	81.7	0.0	8.9	8.9	4.2
3	16.9	27.8	19.8	87.0	3.2	3.4	6.6	5.3
4	16.8	26.6	20.1	85.3	0.0	0.0	0.0	3.3
5	16.0	26.8	19.8	84.0	.3	1.8	2.1	3.0
6	15.2	25.4	18.8	86.7	9.9	0.0	9.9	2.1
7	15.0	26.8	19.3	82.7	1.6	.1	1.7	4.3
8	15.8	27.2	20.0	80.7	4.2	0.0	4.2	6.3
9	17.2	25.6	20.0	87.0	.7	0.0	.7	2.5
10	15.4	25.4	20.4	88.3	1.4	4.0	5.4	3.5
11	17.0	26.8	21.0	78.3	0.0	0.0	0.0	4.2
12	16.8	26.4	20.6	83.3	.6	0.0	.6	3.3
13	15.8	26.2	20.8	85.7	13.2	0.0	13.2	6.5
14	17.2	26.8	20.2	84.7	18.0	2.0	20.0	5.3
15	17.6	26.8	20.8	79.0	2.3	24.7	27.0	4.0
16	16.4	25.2	19.7	78.3	11.1	0.0	11.1	3.2
17	16.8	23.2	19.2	87.7	4.8	0.0	4.8	.7
18	15.0	27.8	20.2	81.3	31.3	12.7	44.0	7.0
19	16.6	26.2	21.2	73.0	.8	0.0	.8	5.9
20	17.8	24.2	19.1	90.3	9.4	2.5	11.9	2.0
21	16.2	26.6	20.4	80.7	7.5	14.4	21.9	2.5
22	16.8	25.4	19.3	84.3	50.9	.8	51.7	2.1
23	17.0	24.4	20.8	77.7	0.0	0.0	0.0	.4
24	17.8	27.8	21.2	75.7	0.0	12.0	12.0	4.2
25	17.4	26.2	20.2	80.3	2.8	1.9	4.7	1.9
26	16.4	25.8	20.8	74.7	0.0	16.7	16.7	4.0
27	17.4	25.4	20.2	84.7	1.2	81.4	82.6	2.9
28	16.8	24.8	18.9	83.0	34.0	.3	34.3	1.9
29	14.9	26.4	19.5	82.3	25.3	42.4	67.7	4.7
30	16.3	24.6	19.7	84.3	.2	0.0	.2	1.1
31	16.2	27.5	21.1	76.7	0.0	2.8	2.8	4.8
Total :					236.4	232.8	469.2	107.6
Promedio :	16.5	25.9	20.1	82.6				

Estación : LA CATALINA
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 45 'N
Longitud : 75 ° 44 'W
Altitud : 1310 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	27.2	21.3	82.3	0.0	0.0	0.0	3.3
2	18.1	27.4	21.5	75.7	0.0	1.7	1.7	3.7
3	17.4	27.0	20.9	81.7	3.1	42.3	45.4	4.5
4	17.1	26.0	20.1	83.7	17.1	5.2	22.3	2.1
5	17.5	27.4	21.8	77.0	0.0	0.0	0.0	6.2
6	18.4	26.0	20.7	82.7	8.0	.6	8.6	2.0
7	17.3	24.6	19.8	84.3	.7	17.3	18.0	2.6
8	17.0	25.4	19.7	81.0	2.4	0.0	2.4	1.9
9	17.4	27.8	22.3	75.7	0.0	1.4	1.4	6.7
10	19.2	28.4	23.2	75.0	0.0	17.5	17.5	5.1
11	17.6	22.8	19.1	86.7	.7	0.0	.7	.1
12	17.2	25.6	21.4	80.0	.6	1.7	2.3	3.3
13	18.2	26.2	20.8	84.0	.2	0.0	.2	2.0
14	16.4	27.6	21.6	72.7	0.0	10.4	10.4	8.1
15	17.4	24.8	19.2	83.7	0.0	0.0	0.0	1.0
16	15.6	26.8	21.3	71.3	0.0	17.2	17.2	8.5
17	15.4	28.0	20.0	77.0	11.3	27.9	39.2	8.9
18	16.2	23.6	20.0	82.3	0.0	.2	.2	1.5
19	17.4	24.0	20.4	84.0	.2	21.9	22.1	.8
20	17.0	24.1	19.3	84.3	31.3	22.4	53.7	1.1
21	16.0	24.2	19.8	83.0	.2	14.4	14.6	2.5
22	16.8	22.6	18.9	85.7	2.8	0.0	2.8	.3
23	16.6	27.2	19.7	78.3	24.3	10.6	34.9	6.0
24	16.4	25.9	18.7	82.7	42.9	10.0	52.9	5.4
25	16.0	26.0	20.1	76.3	.1	.2	.3	5.5
26	16.2	26.6	20.6	75.7	.1	.2	.3	7.5
27	17.4	26.8	21.8	74.0	0.0	2.1	2.1	5.6
28	18.0	27.0	22.2	75.0	0.0	0.0	0.0	6.0
29	17.8	27.7	22.4	70.7	0.0	7.5	7.5	5.0
30	17.4	24.8	19.6	84.3	4.7	.6	5.3	1.5
31								
Total					150.7	233.3	384.0	118.7
Promedio	17.1	26.0	20.6	79.7				

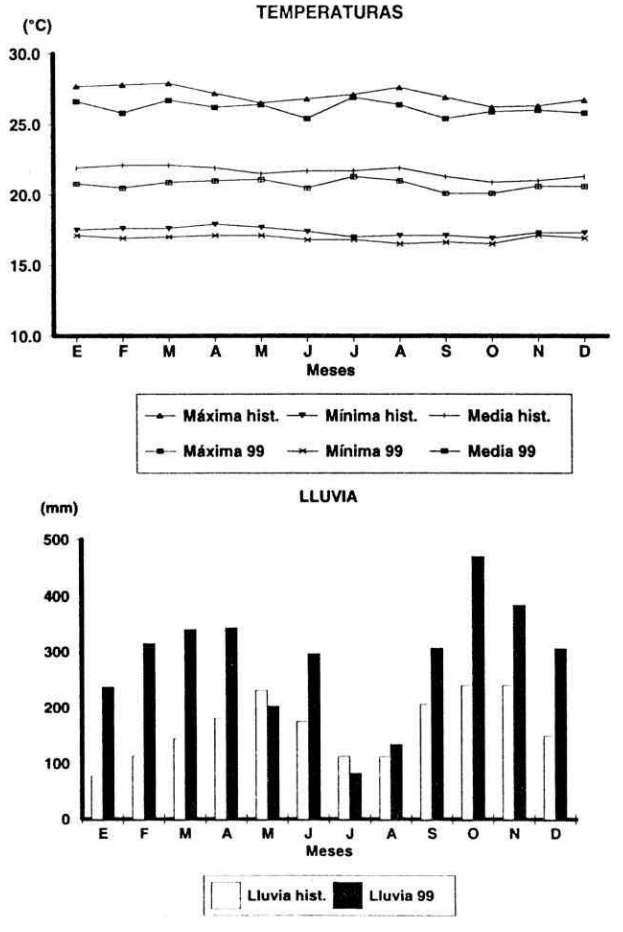
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.6	22.4	18.1	92.0	2.5	.7	3.2	.4
2	16.0	25.0	20.8	77.0	0.0	0.0	0.0	2.6
3	17.0	23.8	20.4	79.7	0.0	0.0	0.0	.1
4	17.0	25.6	21.0	79.7	1.5	35.6	37.1	3.3
5	16.8	22.0	19.0	81.7	3.8	0.0	3.8	1.7
6	17.2	25.6	20.1	80.7	22.2	0.0	22.2	4.0
7	17.2	25.8	20.3	77.3	12.9	0.0	12.9	2.8
8	17.1	27.4	21.0	80.3	5.7	5.5	11.2	5.3
9	17.8	28.7	22.0	73.0	0.0	3.6	3.6	6.4
10	18.2	23.8	20.2	84.3	.7	0.0	.7	1.1
11	16.0	24.1	20.7	81.0	1.4	0.0	1.4	4.5
12	17.8	24.0	19.1	87.3	8.9	16.1	25.0	3.4
13	16.2	25.0	20.4	79.3	.4	0.0	.4	3.1
14	17.2	24.8	20.2	76.7	.5	23.6	24.1	4.1
15	16.6	26.2	20.9	77.7	.4	11.0	11.4	3.0
16	17.1	25.2	20.6	81.7	0.0	.1	.1	2.8
17	17.2	26.0	20.8	81.3	1.8	8.2	10.0	1.7
18	17.4	26.4	20.2	82.3	3.7	.7	4.4	2.0
19	17.6	26.8	21.2	80.3	1.2	24.3	25.5	4.2
20	18.2	27.0	21.4	79.3	1.5	47.3	48.8	3.9
21	18.2	26.4	21.2	81.0	13.9	3.2	17.1	5.7
22	17.8	25.0	20.4	83.0	4.3	.5	4.8	1.9
23	17.4	25.8	20.6	78.3	0.0	.2	.2	3.2
24	17.0	26.2	20.0	76.0	.5	37.1	37.6	3.3
25	15.6	26.8	20.4	74.7	0.0	0.0	0.0	6.1
26	14.8	27.0	21.4	68.3	0.0	0.0	0.0	7.8
27	16.9	27.8	22.3	67.7	0.0	0.0	0.0	8.7
28	15.8	27.6	21.2	66.0	0.0	0.0	0.0	9.0
29	16.0	26.9	21.0	71.0	0.0	0.0	0.0	5.7
30	15.8	27.8	21.0	71.7	.2	.1	.3	8.5
31	17.0	28.0	22.2	71.0	0.0	0.0	0.0	5.5
Total					88.0	217.8	305.8	125.8
Promedio	16.9	25.8	20.6	78.1				

Estación : LA CATALINA
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 45 'N
Longitud : 75 ° 44 'W
Altitud : 1310 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	17.1	26.6	20.8	29.0	15.6	80.0	236.3	23	118.3
Febrero	16.9	25.8	20.5	29.1	15.8	80.4	314.7	23	73.8
Marzo	17.0	26.7	20.9	29.2	15.0	78.8	340.1	21	104.6
Abril	17.1	26.2	21.0	29.0	15.4	80.5	343.2	24	112.7
Mayo	17.1	26.4	21.1	29.2	15.0	79.2	202.3	23	125.7
Junio	16.8	25.4	20.5	28.0	14.8	82.2	296.5	27	84.2
Julio	16.8	26.9	21.3	29.1	15.0	76.7	82.4	21	159.3
Agosto	16.5	26.4	21.0	28.8	14.2	78.4	134.4	20	136.2
Septiembre	16.6	25.4	20.1	27.8	15.0	85.6	306.7	22	85.0
Octubre	16.5	25.9	20.1	27.8	14.9	82.6	469.2	28	107.6
Noviembre	17.1	26.0	20.6	28.4	15.4	79.7	384.0	26	118.7
Diciembre	16.9	25.8	20.6	28.7	14.8	78.1	305.8	23	125.8
Promedio :	16.9	26.1	20.7			80.2			
Absoluta :				29.2	14.2				
Total :							3415.6	281	1351.9



Estación : EL CEDRAL
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 42 'N
Longitud : 75 ° 32 'W
Altitud : 2120 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	11.0	20.0	15.7	86.0	7.0	0.0	7.0	1.7
2	11.5	19.0	15.4	88.3	2.0	0.0	2.0	2.1
3	10.0	19.5	14.9	90.0	2.0	0.0	2.0	1.8
4	12.5	19.0	15.8	86.7	4.0	32.0	36.0	.4
5	12.0	19.5	15.2	91.0	15.0	5.0	20.0	1.0
6	10.5	19.8	14.6	90.7	4.0	0.0	4.0	1.4
7	11.0	20.5	16.0	85.0	27.0	0.0	27.0	2.6
8	13.5	18.0	15.2	93.0	22.5	11.0	33.5	.1
9	12.4	17.5	14.6	94.0	12.0	2.0	14.0	.1
10	11.0	19.0	15.0	91.7	27.0	2.0	29.0	1.4
11	12.5	17.5	13.9	92.3	0.0	0.0	0.0	0.0
12	10.5	18.0	14.4	91.7	2.0	.2	2.2	.1
13	10.0	19.0	13.9	88.7	30.0	7.0	37.0	3.4
14	10.5	18.5	14.1	85.7	10.0	17.0	27.0	1.4
15	11.0	21.0	15.8	83.7	0.0	0.0	0.0	5.7
16	10.0	18.0	14.0	90.0	1.0	0.0	1.0	.1
17	10.2	20.0	14.8	84.7	0.0	.2	.2	3.8
18	9.8	21.0	15.3	83.0	0.0	0.0	0.0	2.3
19	10.0	18.5	14.2	90.0	0.0	.2	.2	1.0
20	11.0	18.5	14.6	88.3	.3	.1	.4	1.3
21	10.0	20.0	14.8	86.0	23.0	.1	23.1	2.4
22	10.1	19.0	14.2	91.7	11.0	.1	11.1	1.7
23	11.0	20.0	15.0	90.0	.2	0.0	.2	1.7
24	12.0	19.5	15.4	89.3	0.0	0.0	0.0	.2
25	11.5	19.0	15.0	93.3	0.0	.4	.4	.6
26	12.0	21.5	16.1	85.7	0.0	.3	.3	.6
27	13.5	19.5	15.1	86.7	29.4	0.0	29.4	1.0
28	11.0	17.0	14.3	93.3	12.0	0.0	12.0	.1
29	10.0	20.5	15.6	86.0	0.0	0.0	0.0	1.9
30	10.4	21.0	15.6	89.3	21.3	2.5	23.8	3.0
31	12.0	20.5	15.5	86.3	8.2	0.0	8.2	1.6
Total :					270.9	80.1	351.0	46.5
Promedio :	11.1	19.3	15.0	88.8				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	11.0	20.5	16.0	86.0	2.0	33.1	35.1	2.5
2	12.0	21.0	15.0	91.3	4.4	14.0	18.4	1.8
3	11.0	19.5	15.8	86.0	4.1	0.0	4.1	2.6
4	10.5	18.0	14.4	94.7	6.8	.2	7.0	1.6
5	10.0	19.3	14.1	96.0	8.4	30.0	38.4	1.7
6	12.0	18.0	14.8	94.0	.9	30.2	31.1	.1
7	12.2	16.6	14.6	94.0	13.6	0.0	13.6	0.0
8	10.5	22.0	16.6	88.3	0.0	0.0	0.0	0.0
9	11.0	22.8	16.8	79.0	0.0	0.0	0.0	6.0
10	12.0	18.0	15.0	95.7	1.6	0.0	1.6	.2
11	10.5	21.2	14.0	94.7	11.8	0.0	11.8	3.1
12	11.6	18.0	14.9	94.0	8.3	0.0	8.3	.7
13	11.8	17.0	14.4	96.7	6.2	0.0	6.2	0.0
14	10.0	18.5	14.2	94.7	9.3	0.0	9.3	2.6
15	12.0	16.0	14.0	96.7	13.8	0.0	13.8	0.0
16	11.0	19.0	14.2	93.3	1.5	0.0	1.5	.5
17	11.5	17.0	13.8	94.3	3.1	6.4	9.5	0.0
18	10.5	16.5	13.8	95.0	3.3	.5	3.8	.4
19	12.0	20.5	14.7	87.3	5.0	1.0	6.0	1.9
20	11.0	17.5	13.4	96.3	27.1	0.0	27.1	.5
21	10.8	18.2	14.0	95.7	5.4	23.1	28.5	1.7
22	10.5	17.5	13.7	96.0	17.4	0.0	17.4	.5
23	12.5	18.0	14.4	95.7	7.0	.7	7.7	0.0
24	12.0	16.5	14.1	94.7	9.1	9.2	18.3	.3
25	12.0	18.5	14.6	93.3	8.1	0.0	8.1	.5
26	10.5	19.5	14.8	86.3	0.0	4.4	4.4	1.7
27	11.0	18.5	14.1	91.0	4.6	4.3	8.9	1.5
28	12.5	16.0	14.0	95.3	14.0	29.0	43.0	0.0
29								
30								
31								
Total :					196.8	186.1	382.9	32.4
Promedio :	11.3	18.6	14.6	92.7				

Estación : EL CEDRAL
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 42 'N
Longitud : 75 ° 32 'W
Altitud : 2120 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	11.0	16.5	13.6	92.0	12.0	1.0	13.0	0.0
2	10.5	17.0	14.1	92.0	0.0	0.0	0.0	.9
3	9.0	18.8	13.8	88.0	1.0	0.0	1.0	.6
4	11.0	17.5	14.2	92.7	8.0	0.0	8.0	.6
5	9.9	19.1	14.8	87.3	0.0	0.0	0.0	3.9
6	9.5	21.0	14.4	82.7	0.0	0.0	0.0	4.2
7	9.7	20.0	13.8	86.3	26.0	0.0	26.0	3.3
8	9.5	18.0	14.0	91.0	0.0	0.0	0.0	3.2
9	10.5	18.1	12.8	94.3	44.0	3.0	47.0	.6
10	9.0	18.5	13.4	92.0	2.0	0.0	2.0	2.8
11	9.2	20.4	15.4	86.0	0.0	0.0	0.0	3.5
12	9.9	24.5	15.6	72.3	0.0	0.0	0.0	3.8
13	10.4	20.2	12.4	95.7	67.0	0.0	67.0	2.1
14	9.5	18.0	13.8	91.7	0.0	0.0	0.0	1.7
15	11.9	18.2	14.4	92.7	9.0	0.0	9.0	.3
16	11.7	19.8	15.2	88.0	2.0	4.0	6.0	2.8
17	10.0	20.0	13.6	95.0	10.0	6.0	16.0	1.8
18	11.8	20.4	14.4	89.3	10.0	0.0	10.0	.6
19	11.5	18.4	13.5	96.0	18.0	0.0	18.0	1.3
20	10.5	18.2	12.8	93.7	38.0	0.0	38.0	1.1
21	9.4	18.1	14.0	90.7	17.0	0.0	17.0	1.9
22	11.0	19.4	15.0	87.0	0.0	0.0	0.0	1.0
23	9.7	19.0	14.7	87.0	0.0	0.0	0.0	1.6
24	10.9	18.8	14.0	95.3	6.0	0.0	6.0	.4
25	10.6	21.6	15.7	90.7	0.0	0.0	0.0	2.9
26	10.8	20.9	15.4	87.3	0.0	0.0	0.0	1.7
27	12.4	20.1	14.4	96.0	0.0	0.0	0.0	1.8
28	12.2	18.2	13.9	97.0	6.0	10.0	16.0	1.0
29	10.5	20.2	14.4	95.3	5.2	0.0	5.2	2.3
30	11.7	22.0	15.2	92.0	7.0	0.0	7.0	2.6
31	10.9	20.6	15.8	88.0	0.0	0.0	0.0	2.3
Total :					288.2	24.0	312.2	58.6
Promedio :	10.5	19.4	14.3	90.5				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	11.0	20.0	14.8	88.3	16.0	0.0	16.0	.3
2	11.1	21.0	15.3	92.0	20.0	7.0	27.0	3.3
3	12.8	19.0	15.0	94.7	0.0	0.0	0.0	1.0
4	12.0	20.6	14.2	97.0	28.8	17.0	45.8	1.0
5	10.5	20.8	13.6	89.3	20.0	0.0	20.0	2.4
6	11.0	20.6	14.1	94.0	7.0	0.0	7.0	3.1
7	10.7	19.1	14.1	97.3	20.3	4.3	24.6	.5
8	12.8	17.9	14.6	96.0	1.0	.2	1.2	0.0
9	12.1	18.9	14.8	91.7	.3	0.0	.3	.2
10	11.7	19.0	14.3	91.3	31.3	0.0	31.3	.4
11	10.5	19.2	14.8	93.3	.2	0.0	.2	1.0
12	11.6	21.6	15.0	93.7	.4	10.0	10.4	1.9
13	12.0	20.9	14.8	94.3	26.0	.1	26.1	2.1
14	11.8	19.0	15.0	95.7	.9	.2	1.1	.8
15	11.5	19.6	15.2	94.7	.9	0.0	.9	1.9
16	10.4	22.0	15.8	83.3	0.0	0.0	0.0	8.0
17	10.8	23.0	15.0	83.0	0.0	0.0	0.0	7.3
18	10.9	22.0	15.6	86.3	0.0	0.0	0.0	3.6
19	11.0	21.5	15.4	92.3	0.0	0.0	0.0	3.2
20	11.4	19.6	15.6	90.3	0.0	0.0	0.0	.4
21	11.7	22.2	16.1	89.3	0.0	0.0	0.0	5.5
22	11.3	21.5	17.0	87.7	0.0	0.0	0.0	6.2
23	13.0	19.0	15.4	91.7	19.5	0.0	19.5	0.0
24	11.8	20.0	14.6	93.3	1.5	12.5	14.0	2.1
25	12.0	19.2	14.6	92.0	2.4	.5	2.9	2.7
26	12.3	19.8	14.4	96.3	5.5	.1	5.6	1.7
27	12.0	17.0	14.4	94.7	2.9	0.0	2.9	0.0
28	10.5	19.2	13.3	96.0	4.2	0.0	4.2	2.2
29	10.8	20.0	15.6	93.7	2.0	1.0	3.0	3.0
30	11.9	15.5	13.0	92.3	14.1	0.0	14.1	0.0
31								
Total :					225.2	52.9	278.1	65.8
Promedio :	11.5	20.0	14.8	92.2				

Estación : EL CEDRAL
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 42 'N
Longitud : 75 ° 32 'W
Altitud : 2120 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	10.0	20.0	13.8	92.7	5.0	0.0	5.0	3.0
2	10.4	18.0	13.7	95.0	10.0	0.0	10.0	1.1
3	10.5	20.4	15.0	91.7	0.0	0.0	0.0	1.3
4	12.0	17.0	14.6	93.0	5.0	0.0	5.0	0.0
5	10.9	21.5	13.4	90.0	84.0	0.0	84.0	2.9
6	10.0	18.9	14.0	91.3	0.0	9.0	9.0	2.0
7	12.2	19.1	13.7	96.0	27.0	0.0	27.0	1.9
8	10.7	20.1	14.4	90.0	27.0	0.0	27.0	1.4
9	11.0	20.6	14.4	90.0	6.0	50.0	56.0	.9
10	10.8	21.2	14.3	91.3	0.0	0.0	0.0	3.6
11	11.2	16.4	13.8	96.0	31.0	0.0	31.0	.1
12	10.9	17.6	14.1	94.3	9.0	3.0	12.0	1.6
13	12.5	17.2	14.0	95.3	9.0	0.0	9.0	.6
14	11.3	20.1	15.4	90.3	0.0	0.0	0.0	2.3
15	11.0	19.9	14.4	92.0	7.0	0.0	7.0	3.8
16	10.5	20.6	15.8	87.0	0.0	0.0	0.0	2.8
17	10.1	21.8	15.4	93.0	0.0	0.0	0.0	5.1
18	10.0	18.5	13.8	89.7	3.0	1.0	4.0	1.1
19	11.2	19.7	15.6	90.3	0.0	0.0	0.0	0.0
20	11.0	21.5	16.1	87.7	0.0	0.0	0.0	3.9
21	10.9	18.8	15.4	91.7	0.0	0.0	0.0	1.7
22	11.9	19.8	15.0	86.3	17.0	0.0	17.0	1.6
23	11.0	21.3	16.4	90.0	0.0	0.0	0.0	4.3
24	10.9	20.2	15.2	91.3	3.0	0.0	3.0	4.1
25	10.0	20.0	14.8	85.7	0.0	0.0	0.0	4.3
26	10.5	20.1	15.6	89.3	0.0	0.0	0.0	2.8
27	10.8	19.8	15.0	94.3	0.0	0.0	0.0	2.4
28	11.9	19.3	16.2	92.3	1.0	0.0	1.0	.5
29	12.0	18.7	15.1	92.0	0.0	0.0	0.0	1.2
30	11.5	19.5	15.4	90.7	0.0	1.0	1.0	2.5
31	11.0	20.2	15.4	89.0	0.0	0.0	0.0	5.0
Total :					244.0	64.0	308.0	69.8
Promedio :	11.0	19.6	14.8	91.3				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	11.9	19.2	14.8	96.0	12.0	1.0	13.0	1.5
2	13.0	20.7	15.5	89.0	0.0	0.0	0.0	2.6
3	10.9	20.0	14.0	94.3	2.8	0.0	2.8	2.9
4	11.0	18.1	14.4	95.7	4.1	13.6	17.7	.2
5	11.2	19.2	14.0	91.7	0.0	0.0	0.0	1.6
6	9.7	18.0	13.6	96.3	3.2	0.0	3.2	1.5
7	11.7	17.8	14.8	96.0	2.2	24.0	26.2	1.0
8	12.0	18.4	14.4	92.7	8.4	0.0	8.4	.9
9	10.1	21.0	13.8	97.0	4.4	0.0	4.4	3.8
10	10.7	22.1	14.3	96.0	37.1	.3	37.4	4.3
11	11.8	18.0	14.9	93.7	3.5	0.0	3.5	.3
12	10.2	20.6	14.4	90.0	.8	0.0	.8	1.8
13	10.8	16.6	13.4	95.7	72.5	.1	72.6	.1
14	11.0	18.2	14.2	95.0	4.5	0.0	4.5	.9
15	10.0	18.9	13.5	96.7	4.1	0.0	4.1	1.9
16	12.0	17.8	14.4	94.0	3.9	0.0	3.9	.7
17	10.0	19.7	14.7	87.7	4.4	2.4	6.8	2.0
18	11.3	16.2	13.5	95.7	16.7	0.0	16.7	.1
19	9.9	18.9	14.0	97.0	2.0	0.0	2.0	.5
20	10.7	18.2	14.5	95.0	6.1	0.0	6.1	.7
21	11.6	18.0	15.1	94.3	5.5	6.9	12.4	0.0
22	11.7	19.2	14.6	92.0	3.5	0.0	3.5	2.2
23	10.0	18.2	13.5	95.7	0.0	0.0	0.0	1.7
24	10.8	17.2	14.3	94.0	3.2	0.0	3.2	.2
25	12.5	21.0	16.0	86.7	.5	0.0	.5	.5
26	12.0	19.4	14.0	92.3	24.7	4.3	29.0	.9
27	11.8	19.0	15.0	88.0	1.3	4.3	5.6	.7
28	11.6	17.0	13.9	91.0	.5	0.0	.5	.1
29	9.8	19.9	13.9	88.3	.6	0.0	.6	3.5
30	10.4	19.3	14.9	90.0	0.0	0.0	0.0	2.8
31								
Total :					232.5	56.9	289.4	41.9
Promedio :	11.1	18.9	14.3	93.3				

Estación : EL CEDRAL
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 42 'N
Longitud : 75 ° 32 'W
Altitud : 2120 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	11.0	18.0	14.8	94.0	0.0	0.0	0.0	.4
2	11.5	18.5	14.4	89.0	0.0	0.0	0.0	.5
3	10.5	17.0	14.2	90.7	.7	3.9	4.6	.1
4	10.8	20.5	15.4	86.7	.6	0.0	.6	3.5
5	9.0	20.0	14.5	91.0	.6	0.0	.6	3.3
6	10.0	19.0	14.8	90.7	1.2	0.0	1.2	1.4
7	11.2	18.2	15.0	93.0	0.0	0.0	0.0	1.3
8	11.0	20.0	15.5	89.0	0.0	0.0	0.0	3.3
9	10.2	20.8	15.1	88.3	0.0	0.0	0.0	7.7
10	8.4	19.8	14.4	87.3	0.0	0.0	0.0	3.2
11	10.0	19.0	14.4	92.0	0.0	0.0	0.0	2.2
12	10.2	18.5	14.8	93.7	0.0	0.0	0.0	2.0
13	10.1	21.5	15.3	87.0	0.0	0.0	0.0	4.1
14	12.0	23.6	16.8	82.3	0.0	0.0	0.0	8.0
15	9.9	21.0	16.1	83.3	0.0	0.0	0.0	5.1
16	11.0	18.3	15.2	89.0	0.0	0.0	0.0	1.9
17	10.3	21.2	15.6	83.3	0.0	0.0	0.0	7.2
18	11.0	21.0	16.2	84.0	2.8	0.0	2.8	3.4
19	11.4	20.5	14.7	86.3	.6	.4	1.0	1.5
20	11.6	19.0	14.8	89.0	2.3	0.0	2.3	5.7
21	11.1	22.0	16.9	87.7	0.0	0.0	0.0	1.7
22	10.8	20.4	16.4	86.0	0.0	0.0	0.0	2.5
23	11.3	18.2	14.8	90.0	14.2	0.0	14.2	.9
24	10.0	18.8	15.4	87.0	0.0	0.0	0.0	3.4
25	11.6	23.8	16.8	75.3	0.0	0.0	0.0	9.0
26	10.5	20.5	15.5	88.7	0.0	0.0	0.0	2.6
27	12.0	20.0	15.8	91.3	5.5	0.0	5.5	2.4
28	12.5	19.8	16.2	89.0	0.0	0.0	0.0	.8
29	12.5	20.2	15.7	85.3	0.0	0.0	0.0	.5
30	10.0	20.5	15.1	87.7	0.0	.6	.6	4.1
31	12.8	21.2	16.6	79.0	0.0	0.0	0.0	5.7
Total					28.5	4.9	33.4	99.4
Promedio	10.8	20.0	15.4	87.6				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	12.5	23.5	16.2	81.7	0.0	0.0	0.0	6.9
2	10.0	19.5	15.0	87.3	.3	0.0	.3	2.0
3	10.1	17.5	14.0	93.7	.9	0.0	.9	1.7
4	9.9	19.5	15.2	86.7	0.0	0.0	0.0	2.3
5	9.0	19.1	14.2	88.7	0.0	0.0	0.0	3.7
6	11.0	21.0	15.8	89.0	.2	25.0	25.2	2.2
7	10.5	19.5	16.0	87.7	.4	.2	.6	.6
8	12.5	21.5	16.0	89.7	0.0	.8	.8	4.5
9	10.0	18.5	15.0	92.3	1.1	0.0	1.1	2.4
10	10.8	21.0	15.0	88.7	.4	0.0	.4	4.1
11	10.2	19.1	14.8	89.0	0.0	0.0	0.0	2.3
12	10.0	20.5	14.8	87.3	0.0	0.0	0.0	1.6
13	12.0	17.5	14.6	92.0	7.8	.8	8.6	1.3
14	11.5	18.5	15.0	93.3	3.0	1.7	4.7	.9
15	11.2	18.0	15.0	78.3	0.0	0.0	0.0	3.1
16	11.0	21.5	15.4	83.3	0.0	0.0	0.0	2.8
17	11.3	22.0	14.4	93.7	0.0	0.0	0.0	1.9
18	12.0	19.0	14.7	93.7	.3	0.0	.3	2.1
19	11.5	19.1	15.2	94.0	0.0	0.0	0.0	2.3
20	10.5	19.5	15.2	85.3	0.0	0.0	0.0	2.7
21	12.0	17.0	12.8	97.0	34.4	0.0	34.4	0.0
22	11.0	19.0	14.2	92.0	2.3	0.0	2.3	2.5
23	10.0	17.0	13.2	96.7	8.8	0.0	8.8	2.0
24	10.5	22.5	14.9	86.7	1.2	.2	1.4	2.1
25	10.0	17.5	14.3	93.0	33.1	4.5	37.6	0.0
26	11.0	19.5	14.4	91.0	29.1	0.0	29.1	.5
27	10.5	18.0	14.8	93.7	8.2	.3	8.5	.5
28	10.0	18.5	14.4	92.7	.3	6.0	6.3	.5
29	10.5	24.0	16.4	74.0	0.0	0.0	0.0	8.0
30	11.0	22.0	16.5	84.0	0.0	0.0	0.0	2.9
31	10.0	23.5	16.7	79.7	0.0	0.0	0.0	6.0
Total					131.8	39.5	171.3	76.4
Promedio	10.8	19.8	15.0	88.9				

Estación : EL CEDRAL
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 42 'N
Longitud : 75 ° 32 'W
Altitud : 2120 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1			15.7	92.3	7.2	1.3	8.5	1.0
2			14.8	94.0	1.3	0.0	1.3	.3
3			13.8	91.0	0.0	.6	.6	.9
4			15.1	95.3	.7	.3	1.0	.7
5			15.4	86.0	.3	0.0	.3	.4
6			14.4	91.3	3.5	.2	3.7	2.8
7			14.8	94.7	.6	.6	1.2	2.2
8			15.6	92.7	.2	0.0	.2	.1
9			14.0	96.3	1.8	13.8	15.6	1.1
10			14.2	97.3	14.0	1.1	15.1	.2
11			14.2	97.0	12.8	9.9	22.7	.3
12			13.2	98.0	3.7	.1	3.8	0.0
13			14.8	90.0	17.4	15.2	32.6	.4
14			13.8	93.7	3.0	0.0	3.0	.2
15			15.0	95.3	8.3	0.0	8.3	1.3
16			14.6	90.0	23.0	5.0	28.0	2.0
17			14.8	96.3	.4	0.0	.4	.7
18			15.1	89.7	0.0	0.0	0.0	2.8
19			14.8	90.7	.7	0.0	.7	1.9
20			15.3	93.3	.5	0.0	.5	1.7
21			13.6	95.0	4.7	4.8	9.5	1.1
22			14.6	89.0	1.0	.8	1.8	.2
23			14.4	89.7	9.0	0.0	9.0	0.0
24			14.4	91.7	10.1	.6	10.7	1.9
25			14.3	95.0	5.5	23.8	29.3	.1
26			15.2	94.7	8.7	0.0	8.7	.4
27			14.0	94.0	18.4	1.9	20.3	0.0
28			14.4	95.3	15.1	7.8	22.9	.4
29			13.4	95.7	.2	0.0	.2	.1
30			14.8	88.7	.1	.5	.6	.6
31								
Total :					172.2	88.3	260.5	25.8
Promedio :			14.6	93.1				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	10.0	19.0	13.3	94.3	1.7	.8	2.5	0.0
2	11.0	20.0	14.6	88.0	3.5	0.0	3.5	2.9
3	11.5	20.0	14.6	92.3	24.1	3.4	27.5	1.6
4	12.0	22.0	15.0	85.7	0.0	0.0	0.0	2.2
5	11.5	22.5	14.5	88.7	4.3	.1	4.4	1.6
6	11.5	20.5	13.8	91.3	14.9	.1	15.0	0.0
7	10.5	19.0	13.0	94.0	3.1	2.2	5.3	1.4
8	10.0	20.5	15.2	89.0	5.0	.7	5.7	3.5
9	11.3	18.5	14.3	94.7	2.9	0.0	2.9	1.0
10	10.8	18.2	14.2	95.7	33.2	0.0	33.2	1.4
11	11.6	19.8	14.3	91.7	.9	0.0	.9	1.3
12	10.1	20.3	14.0	94.0	3.8	2.7	6.5	2.4
13	9.7	19.0	14.5	93.7	.2	0.0	.2	3.8
14	11.0	18.1	15.0	93.7	0.0	0.0	0.0	.2
15	11.1	18.5	15.0	88.3	0.0	.2	.2	.7
16	11.6	19.0	14.6	94.7	1.9	0.0	1.9	.7
17	9.8	17.9	12.2	96.7	9.8	0.0	9.8	1.1
18	9.0	20.0	14.6	90.0	20.0	0.0	20.0	3.1
19	10.0	19.8	14.9	93.7	2.2	0.0	2.2	2.6
20	11.8	18.6	14.6	95.0	1.2	0.0	1.2	.4
21	10.9	18.7	13.9	96.7	3.4	.2	3.6	.8
22	11.0	18.5	15.0	93.3	.1	1.1	1.2	.8
23	12.0	18.2	15.1	92.7	1.4	.3	1.7	0.0
24	11.5	21.0	14.6	87.3	39.6	0.0	39.6	1.9
25	11.2	18.0	15.0	94.3	24.2	2.3	26.5	.1
26	11.0	18.2	14.6	95.3	9.9	0.0	9.9	1.8
27	12.0	17.0	14.5	95.7	4.5	24.1	28.6	.1
28	12.5	18.0	14.2	90.3	25.9	.1	26.0	0.0
29	9.5	18.6	14.0	95.0	6.8	1.9	8.7	2.2
30	11.9	16.5	13.8	96.3	6.4	0.0	6.4	0.0
31	10.4	19.3	14.8	86.3	0.0	0.0	0.0	.7
Total :					254.9	40.2	295.1	40.3
Promedio :	11.0	19.1	14.4	92.5				

Estación : EL CEDRAL
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 42 'N
Longitud : 75 ° 32 'W
Altitud : 2120 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	10.0	19.4	14.9	92.0	4.4	0.0	4.4	2.5
2	11.0	20.0	14.3	89.0	29.6	0.0	29.6	1.9
3	11.1	19.5	15.0	92.0	1.6	0.0	1.6	1.2
4	11.7	19.8	15.6	92.7	.7	0.0	.7	1.9
5	10.7	18.5	15.4	93.0	.3	0.0	.3	.2
6	10.8	19.0	14.8	89.3	1.0	.1	1.1	1.9
7	10.2	18.3	14.6	93.7	.1	3.6	3.7	2.0
8	13.0	19.0	15.1	95.0	5.9	0.0	5.9	.6
9	11.2	21.5	16.4	86.3	0.0	0.0	0.0	3.5
10	11.5	21.0	16.6	87.0	27.2	.1	27.3	1.5
11	12.0	18.8	15.8	88.7	0.0	0.0	0.0	0.0
12	12.1	21.0	14.8	95.3	3.2	4.1	7.3	1.8
13	12.2	18.2	14.7	97.7	2.3	0.0	2.3	.2
14	9.5	21.0	15.8	86.7	0.0	19.9	19.9	5.0
15	12.0	18.0	13.9	93.3	1.1	1.2	2.3	.8
16	9.5	21.0	14.7	90.3	12.3	17.6	29.9	4.4
17	10.5	18.8	14.2	94.0	6.4	3.7	10.1	2.3
18	12.1	17.0	13.1	97.0	7.0	0.0	7.0	.4
19	11.5	17.5	14.0	96.3	2.7	6.1	8.8	.6
20	12.1	18.5	13.5	96.0	38.8	38.7	77.5	.6
21	11.8	17.5	13.4	94.3	10.4	22.5	32.9	.3
22	12.0	15.2	13.8	95.7	6.5	0.0	6.5	.1
23	10.0	19.8	14.0	94.7	18.1	13.5	31.6	2.7
24	10.5	18.0	13.1	96.0	4.6	.7	5.3	.4
25	11.5	18.4	14.0	91.3	30.6	.7	31.3	1.8
26	10.0	20.5	14.2	89.7	3.7	0.0	3.7	2.7
27	10.1	18.0	14.2	90.7	0.0	0.0	0.0	.9
28	11.5	19.0	14.5	90.0	0.0	0.0	0.0	1.9
29	9.0	20.0	14.4	90.3	0.0	0.0	0.0	3.1
30	10.5	19.5	13.8	94.0	10.2	0.0	10.2	1.9
31								
Total :					228.7	132.5	361.2	49.1
Promedio :	11.1	19.1	14.6	92.4				

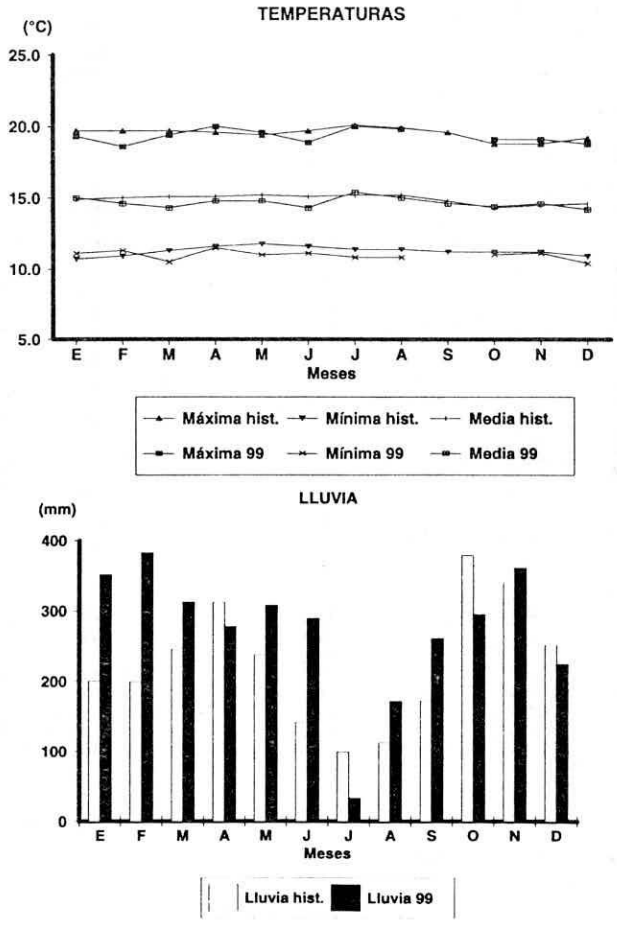
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	12.0	16.0	13.7	96.3	12.0	0.0	12.0	0.0
2	11.0	17.0	13.5	96.7	8.0	0.0	8.0	.8
3	11.1	16.5	13.3	96.3	.4	4.5	4.9	.9
4	10.5	18.0	14.0	94.0	1.3	3.3	4.6	.2
5	12.0	16.3	13.0	96.0	2.7	0.0	2.7	.3
6	10.5	18.5	13.2	96.0	11.0	0.0	11.0	.8
7	10.0	18.0	14.0	92.3	2.5	0.0	2.5	1.6
8	10.5	20.5	15.0	92.7	0.0	0.0	0.0	3.4
9	10.0	20.0	15.4	91.7	1.5	0.0	1.5	2.2
10	10.5	20.8	13.4	95.0	22.4	0.0	22.4	2.4
11	9.8	18.5	13.6	95.0	3.4	0.0	3.4	2.4
12	10.8	18.0	14.4	96.0	3.0	40.0	43.0	.7
13	11.5	18.6	13.6	96.7	9.6	0.0	9.6	1.9
14	10.0	18.0	14.2	92.0	.3	3.9	4.2	1.2
15	12.3	18.5	14.0	98.3	19.0	0.0	19.0	.7
16	11.7	18.0	13.6	93.7	.3	0.0	.3	.5
17	10.8	17.0	13.7	92.0	6.6	0.0	6.6	1.4
18	10.6	19.0	15.0	93.7	.4	0.0	.4	1.1
19	10.0	19.5	13.9	90.0	1.3	0.0	1.3	1.9
20	10.5	19.5	15.1	90.3	3.3	0.0	3.3	.6
21	10.0	18.5	15.6	92.3	1.5	7.3	8.8	.7
22	12.5	16.8	14.4	96.0	13.5	1.2	14.7	0.0
23	9.0	19.5	14.8	87.0	0.0	0.0	0.0	3.4
24	9.2	18.5	13.4	96.0	9.0	30.0	39.0	.4
25	11.0	18.0	14.0	92.3	0.0	0.0	0.0	1.1
26	9.0	20.7	14.8	83.7	0.0	0.0	0.0	6.0
27	10.0	21.0	14.5	83.3	0.0	0.0	0.0	4.4
28	9.0	20.5	14.4	84.7	.2	0.0	.2	4.9
29	8.0	18.8	14.6	86.0	0.0	0.0	0.0	3.0
30	8.2	21.2	14.2	82.7	0.0	0.0	0.0	4.6
31	9.8	21.7	15.0	89.0	.5	0.0	.5	4.3
Total :					133.7	90.2	223.9	57.8
Promedio :	10.4	18.8	14.2	92.2				

Estación : EL CEDRAL
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 42 'N
Longitud : 75 ° 32 'W
Altitud : 2120 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	11.1	19.3	15.0	21.5	9.8	88.8	351.0	26	46.5
Febrero	11.3	18.6	14.6	22.8	10.0	92.7	382.9	26	32.4
Marzo	10.5	19.4	14.3	24.5	9.0	90.5	312.2	18	58.6
Abril	11.5	20.0	14.8	23.0	10.4	92.2	278.1	22	65.8
Mayo	11.0	19.6	14.8	21.8	10.0	91.3	308.0	17	69.8
Junio	11.1	18.9	14.3	22.1	9.7	93.2	289.4	26	41.9
Julio	10.8	20.0	15.4	23.8	8.4	87.6	33.4	10	99.4
Agosto	10.8	19.8	15.0	24.0	9.0	88.9	171.3	18	76.4
Septiembre			14.6			93.1	260.5	29	25.8
Octubre	11.0	19.1	14.4	22.5	9.0	92.5	295.1	28	40.3
Noviembre	11.1	19.1	14.6	21.5	9.0	92.4	361.2	25	49.1
Diciembre	10.4	18.8	14.2	21.7	8.0	92.2	223.9	24	57.8
Promedio :			14.7			91.3			
Absoluta :									
Total :							3267.0	269	663.8



Estación : SAN ANTONIO
Año : 1999

Dpto. : SANTANDER
Mpio. : FLORIDABLANCA

Latitud : 7 ° 6 'N
Longitud : 73 ° 4 'W
Altitud : 1480 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.7	24.1	19.7	80.3	0.0	0.0	0.0	4.4
2	16.4	22.6	19.4	85.7	19.1	0.0	19.1	1.4
3	16.0	22.8	18.6	89.3	0.0	0.0	0.0	3.1
4	16.1	23.0	19.0	83.3	0.0	0.0	0.0	5.2
5	16.5	23.3	18.5	85.7	0.0	0.0	0.0	3.5
6	15.0	21.8	18.6	82.3	0.0	0.0	0.0	2.5
7	15.1	24.5	19.2	74.7	0.0	0.0	0.0	6.0
8	16.2	23.2	19.0	81.7	0.0	0.0	0.0	3.1
9	15.8	23.9	19.3	80.3	0.0	0.0	0.0	5.2
10	16.0	23.4	18.8	83.7	1.5	20.2	21.7	2.9
11	16.1	20.5	17.3	93.0	.6	.1	.7	.1
12	15.7	21.5	17.8	87.7	0.0	10.5	10.5	2.4
13	15.2	22.9	18.4	79.0	0.0	0.0	0.0	4.1
14	15.1	23.0	18.1	81.0	0.0	0.0	0.0	5.0
15	14.2	22.9	17.9	81.3	0.0	.7	.7	6.1
16	15.0	21.2	17.6	84.7	0.0	0.0	0.0	3.1
17	14.9	23.8	18.7	81.3	0.0	0.0	0.0	6.8
18	15.3	22.0	18.6	85.7	0.0	0.0	0.0	3.6
19	16.0	22.4	18.4	86.3	0.0	0.0	0.0	2.7
20	16.2	23.9	19.6	77.7	0.0	0.0	0.0	5.9
21	16.1	23.0	19.3	80.3	0.0	0.0	0.0	3.9
22	17.4	24.0	19.1	83.0	13.2	0.0	13.2	2.6
23	16.0	22.2	18.7	87.7	2.5	0.0	2.5	.9
24	16.3	22.8	19.2	82.7	.1	.2	.3	2.8
25	16.0	22.8	17.8	85.3	.4	2.3	2.7	.3
26	15.9	22.4	18.7	85.0	0.0	0.0	0.0	1.1
27	16.2	23.9	19.1	83.3	0.0	0.0	0.0	7.1
28	16.0	23.5	19.0	74.3	0.0	0.0	0.0	4.2
29	16.1	23.0	19.7	78.3	0.0	0.0	0.0	6.8
30	16.0	25.6	19.9	80.7	0.0	0.0	0.0	7.6
31	16.1	23.5	19.3	84.0	0.0	0.0	0.0	3.7
Total					37.4	34.0	71.4	118.1
Promedio	15.9	23.0	18.8	82.9				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.7	23.7	19.2	80.7	.3	0.0	.3	3.2
2	16.5	22.0	18.8	82.3	4.4	0.0	4.4	3.4
3	17.0	21.2	19.0	83.3	0.0	0.0	0.0	.8
4	16.0	23.0	19.1	82.3	0.0	0.0	0.0	4.5
5	15.8	22.9	18.4	84.0	.2	0.0	.2	.5
6	15.8	22.4	18.5	84.7	0.0	1.5	1.5	1.9
7	15.9	23.5	18.8	82.7	0.0	0.0	0.0	3.5
8	16.8	22.4	19.5	83.7	0.0	0.0	0.0	2.2
9	16.9	25.1	20.4	77.0	0.0	1.6	1.6	5.2
10	16.8	21.0	18.9	88.7	0.0	1.6	1.6	.2
11	16.2	22.8	18.9	84.0	5.5	.1	5.6	.4
12	16.5	25.8	19.8	76.7	13.3	0.0	13.3	3.4
13	16.0	22.0	18.5	86.3	0.0	0.0	0.0	.8
14	16.2	23.1	19.4	82.3	.3	.9	1.2	2.4
15	16.1	20.0	17.8	88.7	.5	5.8	6.3	1.0
16	15.8	20.3	17.2	86.7	0.0	0.0	0.0	0.0
17	16.0	23.7	18.8	80.0	0.0	0.0	0.0	5.1
18	15.0	20.4	17.4	87.3	1.2	0.0	1.2	1.7
19	16.0	22.9	18.0	90.3	2.9	2.3	5.2	1.9
20	16.1	20.1	17.6	87.7	10.9	.9	11.8	.3
21	15.7	23.0	18.6	78.3	27.5	1.8	29.3	5.2
22	15.8	19.4	17.3	92.7	2.9	0.0	2.9	0.0
23	15.2	21.0	17.8	86.3	0.0	.3	.3	.4
24	15.3	20.0	17.3	89.3	4.3	0.0	4.3	.7
25	15.0	21.9	18.1	84.0	.1	0.0	.1	1.7
26	16.0	22.1	18.8	85.3	.8	20.6	21.4	1.5
27	15.8	22.9	18.2	88.3	0.0	0.0	0.0	2.1
28	15.7	22.5	18.0	84.0	0.0	1.8	1.8	.8
29								
30								
31								
Total					75.1	39.2	114.3	54.8
Promedio	16.0	22.2	18.5	84.6				

Estación : SAN ANTONIO
Año : 1999

Dpto. : SANTANDER
Mpio. : FLORIDABLANCA

Latitud : 7 ° 6 'N
Longitud : 73 ° 4 'W
Altitud : 1480 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.2	21.7	17.6	90.7	1.9	6	2.5	2.8
2	15.4	20.5	17.0	93.0	.3	.3	.6	1.2
3	15.0	20.8	18.1	86.7	0.0	0.0	0.0	.7
4	15.5	21.8	18.5	82.7	.2	0.0	.2	2.6
5	15.8	23.0	19.1	78.3	0.0	0.0	0.0	1.7
6	16.0	24.9	20.0	72.3	0.0	0.0	0.0	8.2
7	16.1	24.8	19.5	75.0	.5	8.3	8.8	8.7
8	15.7	21.5	18.8	78.3	0.0	1.9	1.9	1.8
9	15.8	22.4	18.7	82.3	0.0	0.0	0.0	3.4
10	16.0	22.2	18.8	82.0	0.0	0.0	0.0	.8
11	16.3	23.8	19.8	75.7	0.0	0.0	0.0	5.9
12	16.0	25.4	20.4	71.3	0.0	0.0	0.0	8.6
13	16.7	24.8	19.6	74.7	5.0	1.1	6.1	4.9
14	16.2	23.6	19.3	78.7	1.7	.9	2.6	4.7
15	16.1	23.8	19.1	83.0	0.0	4.5	4.5	1.3
16	15.8	22.8	19.0	84.0	8.2	.1	8.3	2.2
17	16.0	22.4	19.3	78.0	3.4	.1	3.5	1.5
18	16.3	22.1	19.3	86.7	0.0	0.0	0.0	1.8
19	16.0	23.6	18.1	85.0	19.9	.9	20.8	2.8
20	15.2	23.0	18.9	83.3	0.0	0.0	0.0	3.0
21	16.0	22.7	19.0	82.0	0.0	0.0	0.0	3.4
22	15.8	21.2	18.9	84.0	0.0	1.4	1.4	.5
23	16.7	22.0	19.1	84.0	.6	0.0	.6	1,0
24	17.0	22.4	19.6	82.7	3.5	0.0	3.5	1.6
25	16.8	24.5	20.3	76.3	0.0	0.0	0.0	2.7
26	17.6	25.5	21.9	70.0	3.0	0.0	3.0	3.7
27	17.8	24.2	20.5	80.7	0.0	0.0	0.0	.7
28	16.9	21.9	19.3	89.7	.2	0.0	.2	.5
29	16.5	22.0	19.6	81.7	0.0	0.0	0.0	.5
30	16.7	25.3	20.2	77.0	.4	0.0	.4	5.5
31	17.0	24.5	20.2	77.3	17.6	0.0	17.6	3.5
Total					66.4	20.1	86.5	92.2
Promedio	16.2	23.1	19.3	80.9				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.7	24.4	20.4	76.3	1.7	0.0	1.7	7.1
2	17.0	22.9	19.5	84.0	0.0	.1	.1	1.0
3	17.1	25.4	20.6	78.7	0.0	2.0	2.0	6.1
4	15.9	22.9	18.0	90.7	1.3	0.0	1.3	.9
5	14.8	23.8	20.1	65.7	0.0	0.0	0.0	8.9
6	16.5	23.7	19.9	74.7	1.4	0.0	1.4	5.0
7	17.0	20.9	19.2	83.0	1.2	.4	1.6	.6
8	16.2	20.5	18.2	89.0	5.9	0.0	5.9	0.0
9	15.8	21.4	17.9	90.7	17.0	0.0	17.0	.1
10	15.9	21.5	19.0	80.3	.4	0.0	.4	0.0
11	16.2	22.6	19.0	83.0	10.1	0.0	10.1	.5
12	16.8	22.4	19.0	85.7	3.0	0.0	3.0	.6
13	16.7	23.7	19.6	76.3	0.0	0.0	0.0	1.1
14	17.0	24.0	20.0	79.3	0.0	0.0	0.0	2.5
15	16.8	23.4	19.8	84.7	0.0	0.0	0.0	.9
16	16.9	25.0	20.3	80.0	0.0	0.0	0.0	8.1
17	16.1	25.9	20.6	70.0	0.0	0.0	0.0	8.0
18	17.0	26.9	21.6	63.0	0.0	0.0	0.0	7.6
19	17.1	25.4	21.0	74.3	0.0	0.0	0.0	7.3
20	17.3	24.5	20.2	78.7	18.4	0.0	18.4	4.3
21	17.0	25.0	21.0	71.3	0.0	.2	.2	6.3
22	17.8	25.6	21.1	77.0	.4	0.0	.4	6.7
23	17.3	24.5	20.6	66.7	0.0	0.0	0.0	1.6
24	16.2	23.5	19.5	78.7	5.0	2.1	7.1	.4
25	15.6	23.0	18.6	78.7	11.0	.3	11.3	1.7
26	16.0	23.1	19.2	77.7	1.5	3.5	5.0	2.1
27	15.8	21.4	18.6	82.7	2.6	0.0	2.6	.2
28	16.0	21.9	18.6	80.0	1.6	0.0	1.6	1.7
29	15.8	24.5	19.6	79.7	13.8	1.7	15.5	6.1
30	16.5	23.1	19.0	87.3	6.4	.7	7.1	2.2
31								
Total					102.7	11.0	113.7	99.6
Promedio	16.5	23.6	19.7	78.9				

Estación : SAN ANTONIO
Año : 1999

Dpto. : SANTANDER
Mpio. : FLORIDABLANCA

Latitud : 7 ° 6 'N
Longitud : 73 ° 4 'W
Altitud : 1480 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.6	23.1	19.0	80.0	.4	0.0	.4	4.3
2	16.5	22.7	18.8	79.7	1.8	0.0	1.8	1.1
3	15.4	23.0	19.1	80.7	0.0	.3	.3	3.8
4	16.4	22.5	17.8	91.3	32.8	9.6	42.4	2.4
5	15.8	25.0	20.4	78.0	0.0	0.0	0.0	8.1
6	16.2	23.5	19.8	79.0	0.0	0.0	0.0	4.2
7	16.3	23.7	19.8	82.3	.9	1.0	1.9	4.1
8	16.5	24.1	19.4	84.0	8.2	1.8	10.0	4.3
9	16.6	23.8	19.6	82.7	2.4	36.7	39.1	1.7
10	15.0	24.7	19.4	73.0	0.0	.2	.2	6.1
11	16.9	23.5	19.2	80.7	0.0	3.1	3.1	3.9
12	15.8	22.7	18.2	84.7	10.5	4.0	14.5	4.7
13	15.8	21.7	18.5	81.0	.3	0.0	.3	1.3
14	16.2	23.4	19.5	81.7	4.4	0.0	4.4	3.6
15	17.0	24.7	20.6	68.0	0.0	0.0	0.0	6.4
16	17.1	24.0	19.9	77.7	0.0	0.0	0.0	2.2
17	17.0	24.2	20.2	70.0	6.3	0.0	6.3	5.8
18	17.5	24.4	19.8	75.3	2.0	0.0	2.0	5.6
19	16.7	25.1	19.4	81.7	1.6	0.0	1.6	4.2
20	17.3	25.4	19.5	70.7	2.6	0.0	2.6	4.6
21	17.2	24.8	19.5	83.0	0.0	.1	.1	.4
22	17.0	23.6	18.7	85.0	1.7	0.0	1.7	3.7
23	16.5	26.4	21.5	65.0	0.0	0.0	0.0	7.9
24	17.6	25.4	21.2	70.0	0.0	0.0	0.0	8.2
25	17.7	25.2	20.5	73.0	0.0	0.0	0.0	7.1
26	17.2	26.6	20.5	73.3	0.0	0.0	0.0	8.1
27	17.8	24.4	20.5	78.3	0.0	0.0	0.0	5.9
28	18.0	25.2	21.2	74.7	0.0	0.0	0.0	6.6
29	16.9	24.3	19.2	82.0	45.7	4.8	50.5	2.9
30	17.0	24.9	19.8	77.0	3.1	0.0	3.1	2.9
31	16.9	24.7	20.3	76.0	0.0	3.7	3.7	6.1
Total :					124.7	65.3	190.0	142.2
Promedio :	16.7	24.2	19.7	78.0				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	22.6	19.1	83.7	5.3	0.0	5.3	2.2
2	17.5	24.3	20.6	78.3	0.0	0.0	0.0	6.5
3	17.0	24.9	20.7	78.0	0.0	0.0	0.0	5.7
4	18.1	22.1	19.0	91.3	8.2	0.0	8.2	.6
5	16.9	21.2	18.8	80.3	3.8	0.0	3.8	1.0
6	17.0	23.0	19.4	85.7	2.7	0.0	2.7	1.4
7	16.2	22.3	19.2	80.7	.6	.2	.8	0.0
8	16.9	21.5	18.9	87.7	2.8	.2	3.0	.2
9	16.5	22.0	18.3	85.0	20.9	.7	21.6	.6
10	16.3	24.7	19.8	68.3	0.0	0.0	0.0	5.4
11	16.1	24.8	20.1	73.7	9.9	2.8	12.7	3.7
12	16.3	24.9	19.9	80.0	0.0	0.0	0.0	4.0
13	17.1	24.0	20.3	72.3	0.0	0.0	0.0	2.5
14	17.4	20.0	18.4	88.0	4.3	0.0	4.3	0.0
15	17.1	23.4	19.5	81.0	0.0	0.0	0.0	4.8
16	17.0	22.5	19.2	81.3	0.0	0.0	0.0	.6
17	16.6	22.5	19.1	85.0	4.6	0.0	4.6	3.2
18	16.8	21.3	18.5	84.7	1.1	0.0	1.1	.3
19	16.6	22.2	18.7	81.0	1.4	0.0	1.4	.9
20	16.5	24.2	20.0	72.7	0.0	0.0	0.0	4.9
21	17.5	21.7	19.6	79.7	.8	0.0	.8	0.0
22	16.8	23.2	19.3	82.0	0.0	0.0	0.0	3.5
23	17.5	21.7	18.9	83.3	.3	0.0	.3	.6
24	16.8	20.9	18.2	85.7	15.6	.1	15.7	.2
25	16.0	23.0	19.7	80.7	0.0	0.0	0.0	1.7
26	16.7	22.8	17.8	86.0	50.4	0.0	50.4	3.2
27	15.6	22.5	18.9	80.3	4.6	10.3	14.9	2.7
28	15.1	21.9	18.7	74.7	0.0	.8	.8	.6
29	15.5	23.5	19.0	76.7	0.0	0.0	0.0	3.3
30	16.6	23.0	18.0	86.7	22.1	0.0	22.1	4.9
31								
Total :					159.4	15.1	174.5	69.2
Promedio :	16.7	22.8	19.2	81.2				

Estación : SAN ANTONIO
Año : 1999

Dpto. : SANTANDER
Mpio. : FLORIDABLANCA

Latitud : 7 ° 6 'N
Longitud : 73 ° 4 'W
Altitud : 1480 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.1	22.2	18.5	84.0	0.0	0.0	0.0	2.0
2	16.0	23.1	19.1	77.0	0.0	0.0	0.0	3.9
3	16.2	23.0	18.8	84.7	46.6	0.0	46.6	1.9
4	16.1	24.1	19.0	81.3	0.0	0.0	0.0	2.3
5	16.4	24.3	19.2	76.3	.9	.3	1.2	5.3
6	16.5	23.2	18.9	77.3	4.6	1.4	6.0	4.0
7	16.1	22.6	18.4	77.7	3.9	0.0	3.9	2.2
8	15.8	23.3	18.6	73.3	2.6	.5	3.1	1.2
9	17.0	23.4	18.8	75.7	1.5	5.5	7.0	3.7
10	15.3	22.1	18.6	81.3	8.4	0.0	8.4	4.5
11	16.1	24.0	19.1	72.7	0.0	0.0	0.0	5.5
12	17.0	22.0	18.2	77.3	4.4	4.6	9.0	1.4
13	15.9	24.0	18.7	75.3	18.8	0.0	18.8	3.5
14	16.8	25.2	20.6	74.0	0.0	0.0	0.0	8.6
15	17.3	24.4	20.1	74.7	0.0	0.0	0.0	5.2
16	17.5	23.9	19.1	66.0	1.7	.2	1.9	4.7
17	16.8	25.5	20.3	69.3	0.0	15.1	15.1	4.9
18	16.4	24.8	20.2	76.0	2.4	0.0	2.4	6.5
19	17.1	23.9	19.8	76.7	0.0	0.0	0.0	4.7
20	16.7	24.6	19.6	69.7	2.0	2.6	4.6	4.1
21	16.2	24.4	19.9	65.0	.5	0.0	.5	3.7
22	17.5	23.5	19.4	67.7	0.0	0.0	0.0	.8
23	16.2	22.8	19.2	80.0	.5	.7	1.2	1.1
24	16.7	23.9	19.4	78.0	0.0	0.0	0.0	5.5
25	17.5	23.5	20.1	77.0	.8	0.0	.8	3.9
26	17.3	23.4	18.8	82.0	9.9	.3	10.2	2.8
27	17.0	23.9	19.8	74.0	2.0	0.0	2.0	3.9
28	17.4	23.5	19.8	72.7	10.0	0.0	10.0	3.0
29	16.9	22.0	18.2	75.7	8.5	.4	8.9	2.0
30	16.5	24.2	20.2	67.7	1.3	0.0	1.3	5.8
31	17.4	23.3	18.8	77.0	24.9	.2	25.1	4.4
Total :					156.2	31.8	188.0	117.0
Promedio :	16.6	23.6	19.3	75.4				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.9	23.9	19.6	77.3	4.8	0.0	4.8	3.8
2	17.4	21.1	18.5	81.3	3.3	3.1	6.4	.3
3	16.7	21.0	17.9	83.3	6.9	1.5	8.4	1.9
4	16.0	22.2	18.8	83.3	1.2	0.0	1.2	.4
5	16.2	21.7	18.8	86.0	.2	0.0	.2	1.6
6	16.1	23.6	19.7	76.0	2.2	0.0	2.2	4.4
7	17.5	23.9	19.7	66.3	0.0	0.0	0.0	3.6
8	17.2	22.5	19.1	78.0	9.5	0.0	9.5	1.1
9	16.9	23.4	19.2	81.3	9.2	0.0	9.2	3.8
10	16.0	23.9	19.4	83.7	0.0	0.0	0.0	1.6
11	16.5	24.2	19.9	73.0	7.5	0.0	7.5	4.9
12	17.3	22.4	18.6	76.3	1.2	0.0	1.2	2.3
13	16.9	21.6	18.0	81.3	11.6	.3	11.9	1.9
14	16.3	24.1	18.5	77.3	1.3	.2	1.5	3.9
15	15.8	21.6	18.8	86.0	2.1	.3	2.4	1.1
16	17.4	22.7	19.0	83.0	4.8	0.0	4.8	3.7
17	16.1	23.7	19.5	74.3	0.0	0.0	0.0	5.1
18	16.5	25.0	19.5	72.3	11.3	0.0	11.3	5.4
19	17.3	22.9	18.8	75.0	0.0	0.0	0.0	3.1
20	16.4	20.7	18.8	82.3	0.0	0.0	0.0	.4
21	16.7	21.8	18.9	81.0	.5	8.2	8.7	.9
22	15.6	21.9	18.2	82.7	.9	0.0	.9	1.3
23	17.5	22.0	18.5	79.0	2.3	0.0	2.3	1.6
24	16.6	23.3	18.8	75.3	25.1	8.0	33.1	2.9
25	16.2	23.0	19.0	75.3	0.0	1.9	1.9	2.5
26	16.5	23.3	18.6	82.3	1.8	0.0	1.8	4.1
27	16.6	23.4	19.6	74.0	.7	4.0	4.7	2.7
28	16.5	21.2	18.4	86.7	.4	4.6	5.0	.7
29	16.4	24.5	20.0	70.7	.1	0.0	.1	5.8
30	17.5	25.0	20.9	64.3	.5	0.0	.5	5.3
31	17.6	23.0	19.7	82.7	.5	0.0	.5	3.5
Total :					109.9	32.1	142.0	85.6
Promedio :	16.7	22.9	19.1	78.4				

Estación : SAN ANTONIO
Año : 1999

Dpto. : SANTANDER
Mpio. : FLORIDABLANCA

Latitud : 7 ° 6 'N
Longitud : 73 ° 4 'W
Altitud : 1480 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.2	24.0	19.6	81.7	.2	12.4	12.6	2.7
2	15.4	21.8	19.2	81.3	2.0	3.5	5.5	.4
3	16.5	22.7	19.2	77.7	.5	2.5	3.0	2.6
4	15.9	22.9	19.2	72.7	0.0	0.0	0.0	4.6
5	16.5	23.2	19.9	65.0	0.0	0.0	0.0	1.1
6	16.2	24.8	19.8	72.3	0.0	0.0	0.0	5.9
7	17.5	23.6	20.0	70.3	1.2	0.0	1.2	4.5
8	16.6	22.5	19.1	81.0	1.4	0.0	1.4	.8
9	16.3	23.4	18.7	82.3	.2	3.1	3.3	3.2
10	16.5	21.5	18.8	85.7	4.2	0.0	4.2	1.3
11	17.0	21.2	18.7	83.7	2.1	11.5	13.6	.6
12	16.1	22.7	19.2	83.3	0.0	27.0	27.0	3.3
13	15.7	23.0	19.1	78.3	0.0	53.0	53.0	4.1
14	15.5	21.7	18.6	74.3	0.0	1.8	1.8	.6
15	16.3	21.0	18.8	80.3	1.3	22.0	23.3	1.7
16	15.9	24.6	19.6	73.7	0.0	.8	.8	5.7
17	16.7	21.2	19.1	83.7	7.0	0.0	7.0	.2
18	16.9	22.5	18.9	87.7	.4	0.0	.4	1.5
19	17.1	24.4	19.9	74.3	1.8	0.0	1.8	3.6
20	16.8	25.6	19.7	75.0	4.4	0.0	4.4	2.8
21	17.5	24.0	19.4	80.7	1.5	.9	2.4	3.2
22	15.9	19.6	17.2	86.3	9.3	0.0	9.3	0.0
23	16.2	21.8	18.2	72.7	0.0	0.0	0.0	.3
24	16.9	23.0	18.6	83.7	0.0	.2	.2	2.7
25	15.9	22.6	18.2	87.0	0.0	0.0	0.0	2.3
26	15.7	23.0	18.5	85.0	0.0	7.4	7.4	2.4
27	16.6	21.3	18.6	84.7	21.0	16.5	37.5	.9
28	16.1	20.0	17.1	90.3	19.0	.2	19.2	.1
29	15.3	23.0	19.2	81.7	0.0	3.9	3.9	5.4
30	15.9	24.5	19.4	84.0	0.0	30.9	30.9	2.8
31								
Total :					77.5	197.6	275.1	71.3
Promedio :	16.3	22.7	19.0	80.0				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.7	22.0	18.5	83.3	.7	1.0	1.7	3.0
2	15.9	25.2	19.2	78.3	0.0	.2	.2	5.6
3	16.2	22.8	18.9	88.0	10.1	1.7	11.8	2.0
4	16.8	22.0	18.4	78.3	13.1	.4	13.5	3.5
5	16.7	23.7	19.0	86.3	.4	0.0	.4	.8
6	16.5	20.4	17.8	88.3	7.7	0.0	7.7	.7
7	16.4	23.5	19.1	83.0	0.0	7.5	7.5	4.6
8	16.1	23.8	19.0	80.7	0.0	0.0	0.0	.4
9	17.2	23.5	19.6	81.7	2.2	0.0	2.2	6.5
10	16.8	21.5	18.6	80.0	2.1	0.0	2.1	1.5
11	16.1	22.7	18.9	85.7	0.0	0.0	0.0	3.1
12	16.8	24.3	19.8	80.0	.8	0.0	.8	1.8
13	16.2	23.2	19.4	84.7	.3	.2	.5	2.6
14	16.7	23.8	19.6	79.7	0.0	.3	.3	1.8
15	16.6	24.4	18.8	80.7	3.7	.6	4.3	4.3
16	16.1	21.5	18.5	87.7	.2	2.3	2.5	.9
17	15.4	22.7	18.3	82.3	3.1	1.8	4.9	3.6
18	15.9	23.2	19.0	82.0	8.8	0.0	8.8	5.2
19	16.5	23.6	19.6	81.0	0.0	.2	.2	3.8
20	17.1	23.5	19.4	84.3	4.5	2.0	6.5	3.7
21	16.4	24.7	19.9	70.7	0.0	0.0	0.0	5.5
22	16.8	23.4	19.2	81.7	0.0	2.6	2.6	1.2
23	17.2	23.9	19.4	83.7	2.4	11.0	13.4	2.1
24	15.7	23.5	18.2	85.0	.4	2.1	2.5	3.2
25	16.7	23.8	19.3	83.0	.5	0.0	.5	2.0
26	17.3	23.6	19.1	86.3	0.0	0.0	0.0	3.5
27	16.4	23.1	19.4	84.7	0.0	.5	.5	2.8
28	16.2	22.9	18.4	89.0	.5	.1	.6	3.1
29	16.7	23.0	18.9	88.3	0.0	0.0	0.0	3.4
30	16.6	22.2	18.3	92.7	4.8	3.2	8.0	.7
31	15.7	23.3	19.1	87.0	0.0	0.0	0.0	5.4
Total :					66.3	37.7	104.0	92.3
Promedio :	16.4	23.2	19.0	83.5				

Estación : SAN ANTONIO
Año : 1999

Dpto. : SANTANDER
Mpio. : FLORIDABLANCA

Latitud : 7 ° 6 'N
Longitud : 73 ° 4 'W
Altitud : 1480 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.1	23.6	19.8	75.7	.9	0.0	.9	2.5
2	17.0	22.9	19.0	88.0	2.4	1.5	3.9	1.4
3	16.8	21.1	19.2	87.3	.8	.5	1.3	.6
4	16.6	22.0	19.0	83.7	0.0	0.0	0.0	3.4
5	16.7	23.2	19.1	89.3	0.0	0.0	0.0	4.4
6	17.1	24.1	20.0	81.3	0.0	0.0	0.0	5.6
7	17.0	24.0	19.2	86.0	1.0	16.7	17.7	3.6
8	16.1	22.3	18.8	89.7	0.0	3.7	3.7	2.7
9	16.2	22.4	19.2	88.0	0.0	0.0	0.0	2.2
10	17.5	24.1	19.7	88.0	18.9	0.0	18.9	4.1
11	17.6	22.4	19.5	87.0	0.0	0.0	0.0	0.0
12	17.0	24.2	20.1	80.3	0.0	15.0	15.0	5.0
13	15.5	24.0	19.2	80.7	0.0	0.0	0.0	7.1
14	16.8	23.7	19.7	83.0	0.0	13.5	13.5	5.5
15	16.9	24.5	19.9	72.0	0.0	4.2	4.2	6.2
16	16.6	23.9	19.8	81.3	0.0	.9	.9	6.9
17	16.8	21.6	18.3	88.3	16.3	4.7	21.0	1.1
18	15.9	19.0	17.0	95.0	7.7	2.1	9.8	0.0
19	15.8	22.0	18.3	89.0	3.7	.8	4.5	.5
20	16.3	21.0	17.8	90.0	0.0	0.0	0.0	2.1
21	14.7	22.7	17.8	82.3	0.0	0.0	0.0	1.3
22	15.4	23.6	18.8	62.7	0.0	0.0	0.0	4.0
23	15.7	24.0	18.9	79.3	0.0	43.2	43.2	7.9
24	16.2	21.5	17.9	89.0	.1	6.1	6.2	2.2
25	15.0	21.7	17.4	88.7	0.0	1.3	1.3	3.2
26	15.6	20.4	17.6	85.0	.2	0.0	.2	.9
27	16.4	19.4	17.5	91.3	1.3	0.0	1.3	.1
28	15.8	21.9	18.8	84.3	.1	0.0	.1	3.2
29	16.7	23.5	19.4	79.7	0.0	0.0	0.0	3.6
30	16.5	22.6	19.4	79.0	0.0	10.6	10.6	3.8
31								
Total :					53.4	124.8	178.2	95.1
Promedio :	16.4	22.6	18.9	84.2				

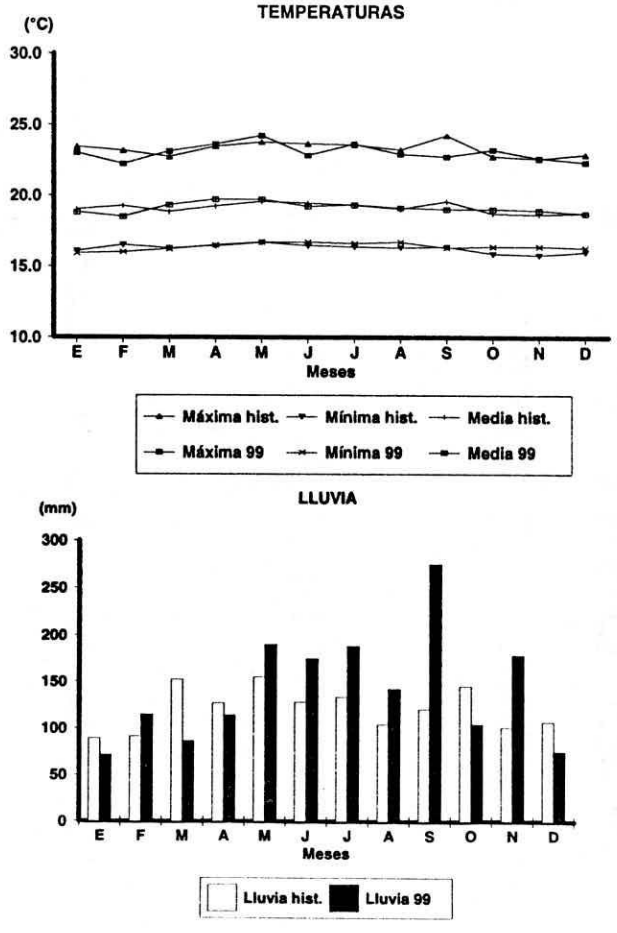
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.4	21.2	17.8	88.0	1.4	24.5	25.9	2.0
2	16.3	22.8	18.5	85.7	0.0	0.0	0.0	.9
3	16.0	21.1	18.6	83.7	.4	0.0	.4	.6
4	16.4	21.9	19.4	78.3	0.0	0.0	0.0	1.2
5	16.8	21.5	18.9	84.0	0.0	.5	.5	1.1
6	16.6	21.7	18.2	94.3	2.6	16.6	19.2	2.1
7	16.4	21.0	18.8	86.0	0.0	0.0	0.0	1.4
8	16.5	23.5	19.6	81.7	0.0	0.0	0.0	3.9
9	16.7	25.1	20.4	79.3	2.0	0.0	2.0	7.1
10	17.3	24.3	19.8	81.7	0.0	0.0	0.0	5.8
11	16.6	21.7	19.1	86.0	0.0	3.6	3.6	.4
12	17.2	22.8	19.0	87.7	1.0	.2	1.2	4.5
13	16.5	21.5	18.8	87.3	0.0	.8	.8	1.0
14	17.0	22.5	18.8	88.0	1.1	0.0	1.1	1.1
15	16.9	23.0	18.9	87.3	0.0	0.0	0.0	3.2
16	16.7	23.4	18.7	90.7	0.0	0.0	0.0	1.2
17	16.5	22.1	19.1	88.7	0.0	1.7	1.7	1.1
18	17.0	22.7	18.7	94.3	1.9	0.0	1.9	3.5
19	16.7	23.0	18.7	89.0	0.0	0.0	0.0	3.6
20	16.7	23.1	19.1	88.3	0.0	5.2	5.2	3.6
21	16.0	23.7	19.3	82.7	0.0	0.0	0.0	5.3
22	16.2	23.7	19.2	81.7	0.0	0.0	0.0	6.7
23	16.4	21.6	18.7	73.7	1.0	0.0	1.0	.6
24	15.3	22.6	18.3	72.3	0.0	0.0	0.0	6.6
25	15.5	24.2	18.8	79.7	0.0	.6	.6	9.1
26	16.2	21.6	17.6	90.3	4.8	5.2	10.0	1.4
27	15.1	20.7	17.6	87.0	0.0	0.0	0.0	2.1
28	15.7	20.8	17.8	85.0	0.0	0.0	0.0	1.4
29	15.2	20.4	17.3	87.3	0.0	0.0	0.0	2.0
30	15.1	21.0	17.8	86.0	0.0	0.0	0.0	2.8
31	15.7	21.7	18.2	85.7	0.0	0.0	0.0	2.2
Total :					16.2	58.9	75.1	89.5
Promedio :	16.3	22.3	18.7	85.2				

Estación : SAN ANTONIO
Año : 1999

Dpto. : SANTANDER
Mpio. : FLORIDABLANCA

Latitud : 7 ° 6 'N
Longitud : 73 ° 4 'W
Altitud : 1480 m

MES	TEMPERATURA °C					PRECIPITACION			
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	15.9	23.0	18.8	25.6	14.2	82.9	71.4	9	118.1
Febrero	16.0	22.2	18.5	25.8	15.0	84.6	114.3	20	54.8
Marzo	16.2	23.1	19.3	25.5	15.0	80.9	86.5	18	92.2
Abril	16.5	23.6	19.7	26.9	14.8	78.9	113.7	21	99.6
Mayo	16.7	24.2	19.7	26.6	15.0	78.0	190.0	21	142.2
Junio	16.7	22.8	19.2	24.9	15.1	81.2	174.5	19	69.2
Julio	16.6	23.6	19.3	25.5	15.3	75.4	188.0	22	117.0
Agosto	16.7	22.9	19.1	25.0	15.6	78.4	142.0	26	85.6
Septiembre	16.3	22.7	19.0	25.6	15.3	80.0	275.1	25	71.3
Octubre	16.4	23.2	19.0	25.2	15.4	83.5	104.0	25	92.3
Noviembre	16.4	22.6	18.9	24.5	14.7	84.2	178.2	20	95.1
Diciembre	16.3	22.3	18.7	25.1	15.1	85.2	75.1	15	89.5
Promedio :	16.4	23.0	19.1			81.1			
Absoluta :				26.9	14.2				
Total :							1712.8	241	1126.9



Estación : ALBERTO SANTOS
Año : 1999

Dpto. : SANTANDER
Mpio. : SOCORRO

Latitud : 5 ° 0 'N
Longitud : 75 ° 36 'W
Altitud : 1500 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	27.0	20.7	80.0	0.0	0.0	0.0	8.3
2	15.2	25.4	20.3	81.3	.1	0.0	.1	3.5
3	15.9	27.7	21.0	74.3	0.0	0.0	0.0	6.5
4	17.0	26.5	20.5	76.7	0.0	0.0	0.0	7.3
5	15.8	26.2	20.3	74.7	0.0	0.0	0.0	6.0
6	16.0	26.8	20.2	74.3	0.0	0.0	0.0	8.1
7	14.5	27.8	20.2	72.0	0.0	0.0	0.0	8.7
8	14.6	28.0	20.4	74.3	0.0	0.0	0.0	7.2
9	16.5	28.7	21.9	69.7	0.0	.3	.3	8.6
10	17.5	27.1	20.3	81.3	.3	1.9	2.2	6.0
11	15.0	24.5	18.8	84.3	.2	0.0	.2	2.9
12	15.1	25.0	18.2	82.3	0.0	0.0	0.0	4.5
13	14.9	26.2	19.1	75.3	0.0	0.0	0.0	7.6
14	13.7	26.7	19.3	67.7	0.0	0.0	0.0	7.2
15	13.2	25.4	18.9	70.0	0.0	0.0	0.0	7.8
16	13.5	25.8	19.8	67.7	0.0	0.0	0.0	8.8
17	14.0	27.8	20.3	70.3	0.0	0.0	0.0	8.4
18	13.6	26.8	20.4	74.7	.7	0.0	.7	8.2
19	14.9	27.2	19.8	78.7	12.4	3.3	15.7	5.7
20	14.3	26.9	20.2	73.7	0.0	1.2	1.2	7.1
21	15.4	26.8	20.6	75.7	0.0	0.0	0.0	7.7
22	15.5	26.8	21.4	70.0	0.0	0.0	0.0	5.6
23	16.6	26.2	20.7	76.7	1.2	0.0	1.2	4.6
24	16.0	28.0	21.6	68.3	0.0	0.0	0.0	6.2
25	16.8	26.6	20.2	78.0	0.0	.2	.2	4.8
26	17.0	27.5	21.1	72.0	0.0	0.0	0.0	6.7
27	15.2	28.4	21.5	65.7	0.0	0.0	0.0	8.3
28	16.6	28.5	21.1	71.7	0.0	0.0	0.0	7.1
29	17.3	28.8	22.2	69.7	0.0	0.0	0.0	7.8
30	15.0	29.4	21.7	71.0	0.0	.1	.1	8.6
31	17.2	29.1	21.7	71.3	0.0	0.0	0.0	7.8
Total :					14.9	7.0	21.9	213.6
Promedio :	15.4	27.1	20.5	74.0				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	28.8	22.6	67.3	0.0	0.0	0.0	7.8
2	16.4	28.7	21.8	68.0	.1	0.0	.1	8.6
3	17.5	27.8	21.5	70.3	0.0	0.0	0.0	6.1
4	15.5	28.6	21.8	65.3	0.0	18.4	18.4	7.5
5	16.4	25.0	19.8	80.0	0.0	0.0	0.0	2.1
6	16.0	26.6	20.8	71.0	0.0	0.0	0.0	6.6
7	15.3	27.2	21.0	71.7	0.0	0.0	0.0	7.1
8	16.6	28.3	21.8	66.3	0.0	0.0	0.0	8.3
9	15.4	29.2	20.6	72.0	4.0	1.0	5.0	7.3
10	16.2	22.4	19.3	90.0	0.0	1.4	1.4	0.0
11	16.3	26.2	19.0	81.3	33.6	.9	34.5	2.9
12	14.9	27.8	19.7	76.3	31.9	3.1	35.0	5.0
13	13.9	27.0	20.4	74.0	0.0	3.5	3.5	6.4
14	16.0	26.2	19.2	80.3	37.9	1.4	39.3	3.7
15	15.5	25.4	18.5	81.7	23.4	0.0	23.4	3.6
16	15.3	23.0	18.2	88.3	5.3	0.0	5.3	.8
17	14.9	24.8	17.9	85.7	9.9	5.0	14.9	4.3
18	15.1	26.2	19.4	77.0	0.0	4.1	4.1	5.3
19	15.6	24.2	19.1	82.3	0.0	0.0	0.0	1.4
20	15.7	22.9	18.8	82.3	.4	1.9	2.3	0.0
21	14.3	27.0	20.6	69.7	0.0	3.0	3.0	6.9
22	16.7	20.8	17.9	89.7	34.8	.5	35.3	.1
23	16.0	25.7	19.1	79.3	0.0	0.0	0.0	3.0
24	15.8	24.5	18.4	86.0	5.5	7.8	13.3	2.6
25	15.0	26.2	18.8	82.7	.8	0.0	.8	6.0
26	14.3	26.9	19.7	80.3	1.1	2.9	4.0	8.3
27	16.5	26.2	20.7	78.3	0.0	0.0	0.0	6.2
28	17.4	25.9	20.5	80.3	0.0	0.0	0.0	3.9
29								
30								
31								
Total :					188.7	54.9	243.6	131.8
Promedio :	15.8	26.1	19.9	77.8				

Estación : ALBERTO SANTOS
Año : 1999

Dpto. : SANTANDER
Mpio. : SOCORRO

Latitud : 5 ° 0 'N
Longitud : 75 ° 36 'W
Altitud : 1500 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	22.4	18.6	90.7	0.0	0.0	0.0	1.7
2	15.0	22.2	18.7	86.0	0.0	0.0	0.0	1.7
3	15.5	26.0	19.5	82.0	.2	0.0	.2	5.9
4	14.7	26.5	19.6	81.3	0.0	0.0	0.0	6.8
5	15.4	27.5	20.7	72.3	0.0	0.0	0.0	8.8
6	15.6	27.8	21.6	68.7	0.0	0.0	0.0	9.5
7	15.9	27.6	21.2	71.0	0.0	0.0	0.0	8.7
8	15.4	26.8	20.5	69.0	0.0	0.0	0.0	7.9
9	15.7	27.0	21.0	70.7	0.0	0.0	0.0	7.5
10	16.1	26.9	19.2	79.3	3.4	1.7	5.1	2.9
11	15.4	27.1	20.5	73.3	0.0	2.9	2.9	6.8
12	14.6	28.4	21.4	64.7	0.0	0.0	0.0	9.3
13	15.3	28.9	19.4	75.0	7.1	.7	7.8	7.1
14	13.6	26.8	19.9	79.0	2.1	.4	2.5	6.6
15	16.0	25.4	19.8	80.0	.3	.6	.9	4.5
16	17.0	27.9	20.3	74.3	0.0	0.0	0.0	5.5
17	15.0	28.5	21.3	70.0	0.0	1.1	1.1	7.0
18	17.4	27.6	21.9	70.7	0.0	0.0	0.0	6.7
19	15.4	27.2	21.4	70.0	0.0	0.0	0.0	5.9
20	15.3	26.8	20.3	74.0	0.0	0.0	0.0	5.8
21	16.1	27.8	21.5	69.3	0.0	0.0	0.0	6.0
22	15.9	27.3	21.2	71.3	0.0	0.0	0.0	6.3
23	17.0	28.0	20.6	76.7	16.3	0.0	16.3	2.6
24	16.0	28.6	21.1	74.7	.8	10.7	11.5	4.3
25	16.7	28.5	22.2	71.7	0.0	.2	.2	4.6
26	16.4	28.7	22.1	69.0	1.0	.4	1.4	7.4
27	17.2	27.0	21.3	82.7	0.0	2.1	2.1	1.0
28	16.4	24.0	19.3	92.7	4.2	0.0	4.2	1.4
29	16.0	26.6	20.5	75.7	0.0	1.9	1.9	6.3
30	17.0	29.0	22.1	68.3	0.0	4.3	4.3	9.1
31	15.4	29.0	20.0	77.3	8.6	0.0	8.6	7.9
Total					44.0	27.0	71.0	183.5
Promedio	15.8	27.1	20.6	75.2				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.3	28.6	21.0	76.7	.1	1.1	1.2	9.1
2	17.3	26.8	20.2	79.0	0.0	10.0	10.0	2.0
3	15.2	27.5	21.8	69.0	0.0	0.0	0.0	4.6
4	16.0	24.8	19.1	83.3	11.0	0.0	11.0	.9
5	13.7	27.2	20.0	73.3	0.0	0.0	0.0	9.5
6	14.6	26.4	20.1	76.7	0.0	0.0	0.0	4.0
7	16.7	27.8	20.2	76.3	51.4	1.0	52.4	3.9
8	16.0	19.0	17.0	96.0	55.8	4.8	60.6	1.6
9	15.0	23.8	19.1	86.7	.3	.2	.5	0.0
10	16.0	23.6	18.5	90.3	1.2	.2	1.4	.1
11	16.8	25.9	19.8	86.3	12.1	.3	12.4	3.0
12	16.2	27.0	21.4	77.3	0.0	.8	.8	5.8
13	15.4	27.1	20.4	79.7	.3	0.0	.3	4.8
14	15.2	27.4	20.5	78.0	4.4	0.0	4.4	4.5
15	16.0	25.4	19.2	82.7	1.1	0.0	1.1	1.0
16	16.2	28.5	22.1	71.0	0.0	.5	.5	9.0
17	13.2	28.7	22.0	65.3	0.0	0.0	0.0	7.9
18	14.6	29.2	22.4	65.3	0.0	0.0	0.0	8.8
19	15.0	28.9	23.1	57.0	0.0	0.0	0.0	9.2
20	16.0	29.8	21.4	70.0	.2	1.9	2.1	7.1
21	15.7	28.8	22.3	66.7	0.0	0.0	0.0	10.0
22	16.0	29.9	23.4	65.7	0.0	17.7	17.7	8.6
23	15.9	27.7	21.7	76.7	0.0	7.5	7.5	4.7
24	16.7	25.7	19.6	84.0	7.0	6.4	13.4	3.1
25	15.6	27.2	19.8	81.3	2.6	8.7	11.3	4.5
26	16.5	26.4	19.2	83.3	17.7	20.9	38.6	3.6
27	15.9	24.8	19.5	86.7	0.0	.1	.1	2.4
28	16.0	25.4	19.1	85.7	25.1	.2	25.3	3.4
29	15.9	27.8	20.7	78.0	.2	1.6	1.8	8.0
30	15.8	25.2	19.8	83.7	0.0	12.5	12.5	1.4
31								
Total					190.5	96.4	286.9	146.5
Promedio	15.7	26.7	20.5	77.7				

Estación : ALBERTO SANTOS
Año : 1999

Dpto. : SANTANDER
Mpio. : SOCORRO

Latitud : 5 ° 0 'N
Longitud : 75 ° 36 'W
Altitud : 1500 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.8	26.7	20.4	79.3	0.0	.3	.3	7.4
2	16.0	26.9	20.0	81.0	7.5	0.0	7.5	4.2
3	15.0	26.1	19.7	77.7	0.0	2.3	2.3	5.9
4	16.5	26.4	19.4	81.0	9.3	2.4	11.7	7.5
5	14.5	27.4	18.8	81.3	13.6	0.0	13.6	7.5
6	14.8	27.2	20.8	76.3	0.0	0.0	0.0	9.0
7	16.2	27.8	19.9	77.0	1.1	.1	1.2	5.5
8	16.0	26.0	19.9	86.0	0.0	1.8	1.8	3.7
9	16.6	26.1	19.5	86.0	19.4	1.9	21.3	1.7
10	16.1	24.7	19.8	87.7	9.4	6.6	16.0	1.9
11	15.4	25.9	19.7	80.0	1.2	15.3	16.5	5.7
12	15.3	26.0	20.1	79.3	.4	3.8	4.2	6.0
13	16.3	24.9	20.0	84.3	.5	2.1	2.6	4.2
14	16.2	26.8	19.8	80.0	4.0	.3	4.3	4.7
15	14.4	26.8	21.3	71.7	0.0	1.2	1.2	9.8
16	15.3	26.0	20.4	80.0	0.0	0.0	0.0	5.4
17	15.3	27.0	20.7	75.7	0.0	0.0	0.0	9.4
18	15.4	29.0	22.0	73.0	0.0	0.0	0.0	10.3
19	16.8	28.0	21.1	75.0	0.0	0.0	0.0	6.5
20	16.1	25.8	19.6	83.0	.6	0.0	.6	3.7
21	15.0	24.1	20.2	85.3	.4	.6	1.0	1.3
22	15.1	26.6	20.7	83.0	.4	1.7	2.1	6.0
23	15.3	28.4	21.6	71.3	0.0	1.4	1.4	9.7
24	14.7	28.8	21.7	71.0	0.0	0.0	0.0	10.9
25	15.5	28.2	22.0	67.3	0.0	0.0	0.0	10.3
26	15.1	29.0	21.2	68.7	0.0	0.0	0.0	10.1
27	16.0	28.4	22.8	71.3	0.0	0.0	0.0	8.4
28	15.5	29.2	22.0	74.7	0.0	0.0	0.0	9.3
29	16.0	29.0	19.5	78.0	4.9	2.6	7.5	3.5
30	15.2	27.9	21.2	77.0	0.0	0.0	0.0	7.1
31	14.9	29.0	21.4	75.7	5.2	6.5	11.7	7.5
Total :					77.9	50.9	128.8	204.1
Promedio :	15.5	27.1	20.6	78.0				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	25.8	20.9	77.3	0.0	0.0	0.0	4.2
2	15.6	29.9	22.8	69.0	0.0	0.0	0.0	10.6
3	16.0	30.1	23.8	61.0	0.0	1.2	1.2	10.5
4	16.7	24.6	20.3	82.7	.5	1.5	2.0	1.8
5	16.0	24.2	19.3	83.3	4.9	0.0	4.9	2.1
6	16.6	25.6	20.6	78.3	0.0	0.0	0.0	2.2
7	16.2	24.6	19.4	78.3	3.1	3.0	6.1	1.5
8	16.0	26.0	19.4	80.3	6.4	6.8	13.2	3.8
9	15.7	25.0	18.4	85.0	3.9	.9	4.8	2.9
10	14.1	27.9	20.9	69.3	0.0	0.0	0.0	7.5
11	15.0	27.7	21.1	77.7	0.0	.8	.8	7.4
12	17.0	22.8	19.3	87.7	6.1	0.0	6.1	.3
13	16.7	26.7	20.1	79.7	.9	0.0	.9	4.6
14	16.2	22.9	19.0	87.7	7.1	0.0	7.1	.2
15	16.1	26.3	20.5	73.7	3.0	10.1	13.1	6.3
16	16.7	25.7	19.4	84.0	8.6	.1	8.7	4.1
17	16.1	26.9	20.1	75.7	0.0	.5	.5	3.0
18	16.2	23.4	18.6	87.3	.2	4.5	4.7	1.4
19	15.0	24.9	20.1	79.7	0.0	7.4	7.4	6.6
20	15.8	26.5	20.9	79.0	0.0	6.8	6.8	7.1
21	16.0	22.3	18.2	90.7	2.0	0.0	2.0	.3
22	16.7	26.4	20.1	77.7	.5	0.0	.5	6.1
23	16.0	26.1	20.6	74.7	.3	0.0	.3	3.6
24	15.6	24.4	18.8	85.3	1.3	0.0	1.3	1.4
25	14.0	26.2	20.6	74.0	0.0	0.0	0.0	6.9
26	15.3	27.8	19.9	73.3	7.7	26.2	33.9	8.4
27	15.0	24.4	19.4	84.0	.9	13.0	13.9	3.8
28	14.8	24.3	19.2	82.0	0.0	0.0	0.0	2.9
29	15.3	27.8	18.8	79.3	1.3	0.0	1.3	7.3
30	14.0	26.7	21.0	64.7	0.0	.5	.5	8.9
31								
Total :					58.7	83.3	142.0	137.7
Promedio :	15.7	25.8	20.1	78.7				

Estación : **ALBERTO SANTOS** Dpto. : SANTANDER Latitud : 5 ° 0'N
Año : 1999 Mpio. : SOCORRO Longitud : 75 ° 36'W
Altitud : 1500 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	26.2	19.6	80.7	3.1	0.0	3.1	5.3
2	15.7	26.8	19.8	76.0	0.0	0.0	0.0	5.0
3	15.4	26.1	19.2	79.3	1.0	0.0	1.0	5.1
4	14.8	27.4	20.9	75.3	0.0	0.0	0.0	8.9
5	14.7	27.4	20.6	73.0	.2	4.2	4.4	8.2
6	14.7	26.8	20.1	75.0	0.0	1.5	1.5	7.0
7	15.4	24.7	18.8	86.0	.7	.1	.8	2.6
8	15.7	26.8	19.8	77.3	.6	32.4	33.0	5.8
9	14.8	26.7	19.9	77.7	4.7	5.5	10.2	6.8
10	14.3	26.0	20.1	75.3	0.0	7.3	7.3	5.0
11	14.9	27.1	21.0	70.3	0.0	3.8	3.8	10.1
12	16.0	24.3	19.6	84.7	.8	7.8	8.6	2.7
13	16.1	27.2	20.0	75.7	1.2	5.7	6.9	6.1
14	14.7	28.3	20.8	75.0	0.0	4.8	4.8	9.9
15	14.1	26.9	21.2	71.3	0.0	5.0	5.0	7.0
16	15.0	25.6	20.3	74.3	0.0	0.0	0.0	5.0
17	15.0	28.8	20.0	74.3	1.9	.1	2.0	7.9
18	15.3	29.2	21.1	67.7	0.0	0.0	0.0	9.0
19	15.2	27.8	21.7	68.3	0.0	0.0	0.0	9.0
20	15.7	27.4	20.3	79.0	0.0	5.9	5.9	4.8
21	15.5	26.9	20.7	78.0	0.0	0.0	0.0	8.1
22	15.7	25.5	19.7	83.0	0.0	0.0	0.0	3.7
23	15.5	26.5	20.8	76.0	0.0	.9	.9	7.3
24	15.0	27.0	20.3	77.0	0.0	0.0	0.0	5.3
25	15.4	29.8	21.1	67.0	.1	1.3	1.4	8.5
26	16.6	28.0	20.9	75.3	.5	.1	.6	5.2
27	15.4	27.2	20.1	78.3	1.5	0.0	1.5	4.7
28	15.0	27.6	19.5	81.0	.4	0.0	.4	5.4
29	15.7	25.3	17.8	92.0	5.8	0.0	5.8	3.7
30	13.4	25.8	20.4	78.7	.4	.3	.7	5.8
31	15.0	25.0	19.6	79.3	3.5	0.0	3.5	5.3
Total :					26.4	86.7	113.1	194.2
Promedio :	15.2	26.8	20.2	76.8				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.8	28.2	20.0	76.7	17.9	0.0	17.9	8.2
2	16.2	26.5	19.4	80.7	.8	4.8	5.6	4.9
3	15.8	24.5	19.4	79.7	0.0	.5	.5	3.2
4	16.2	25.7	20.2	81.0	.2	1.3	1.5	5.1
5	16.4	26.9	19.7	82.7	.7	2.9	3.6	4.0
6	15.2	27.9	21.1	74.7	0.0	0.0	0.0	7.6
7	16.0	25.4	20.4	78.0	0.0	0.0	0.0	4.2
8	15.9	26.1	20.3	80.0	2.1	0.0	2.1	4.2
9	16.3	27.6	21.0	78.0	2.3	8.6	10.9	3.0
10	14.2	26.0	20.0	84.3	0.0	7.0	7.0	4.3
11	14.8	27.9	20.0	79.3	1.7	7.9	9.6	7.4
12	15.7	25.8	19.4	84.3	.3	0.0	.3	5.8
13	15.2	26.8	19.8	79.0	3.9	1.4	5.3	4.2
14	15.0	26.9	19.9	79.7	.6	.3	.9	0.0
15	14.6	27.0	19.9	83.7	.4	2.2	2.6	0.0
16	16.2	27.8	20.6	77.0	.3	.3	.6	5.0
17	15.5	28.3	20.9	70.0	0.0	1.4	1.4	7.7
18	15.6	28.8	20.8	74.3	5.0	1.3	6.3	6.2
19	15.4	27.3	20.8	73.3	0.0	5.7	5.7	9.3
20	15.6	24.9	20.3	78.3	0.0	0.0	0.0	4.5
21	16.5	25.1	20.0	79.3	2.6	4.3	6.9	3.4
22	16.0	23.8	19.4	85.0	1.3	1.7	3.0	2.4
23	16.3	26.7	19.7	83.7	21.1	6.6	27.7	4.2
24	15.5	27.4	20.5	77.3	0.0	0.0	0.0	5.1
25	15.8	26.9	19.6	83.0	20.5	4.1	24.6	2.8
26	16.2	25.9	19.4	88.7	.5	1.0	1.5	4.2
27	16.3	27.6	19.2	83.7	29.2	1.1	30.3	4.7
28	16.6	25.9	20.0	85.7	0.0	1.4	1.4	3.9
29	16.2	27.0	21.5	75.0	0.0	.5	.5	4.5
30	16.0	29.2	22.6	69.0	0.0	0.0	0.0	9.2
31	16.9	28.9	22.0	68.0	.6	.2	.8	9.0
Total :					112.0	66.5	178.5	152.2
Promedio :	15.8	26.8	20.3	79.1				

Estación : ALBERTO SANTOS
Año : 1999

Dpto. : SANTANDER
Mpio. : SOCORRO

Latitud : 5 ° 0 'N
Longitud : 75 ° 36 'W
Altitud : 1500 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.3	26.7	20.8	79.7	0.0	17.2	17.2	2.5
2	15.8	24.8	19.8	82.0	0.0	2.8	2.8	2.5
3	15.5	25.0	19.6	84.0	0.0	1.4	1.4	2.3
4	14.8	26.9	20.6	73.7	.3	.9	1.2	6.5
5	16.6	26.0	19.7	75.0	0.0	0.0	0.0	2.8
6	14.5	26.2	19.9	79.0	0.0	0.0	0.0	6.1
7	17.5	28.0	21.9	71.3	0.0	0.0	0.0	6.3
8	16.2	27.2	19.6	78.0	1.6	12.7	14.3	4.5
9	15.0	25.3	20.0	81.0	0.0	3	.3	5.7
10	16.3	24.1	19.2	81.7	2.8	0.0	2.8	3.7
11	15.2	26.0	19.4	79.3	0.0	0.0	0.0	6.2
12	15.4	23.2	18.5	90.7	0.0	30.5	30.5	1.5
13	16.0	25.0	20.0	79.0	0.0	36.6	36.6	4.1
14	15.0	21.4	17.4	93.7	.4	1.1	1.5	.2
15	14.8	24.6	19.5	90.7	1.4	7.2	8.6	2.5
16	15.8	26.2	20.4	79.0	0.0	.7	.7	7.6
17	16.2	24.0	19.4	86.7	0.0	0.0	0.0	3.1
18	15.0	26.6	20.6	73.0	0.0	.1	.1	7.4
19	15.8	26.4	20.2	82.7	0.0	0.0	0.0	7.2
20	15.8	28.0	21.5	74.3	1.9	2.6	4.5	7.9
21	15.7	28.8	20.8	80.7	.2	8.5	8.7	.5
22	15.8	22.5	18.3	92.0	4.1	0.0	4.1	6.8
23	15.4	23.8	18.7	87.0	0.0	0.0	0.0	.3
24	15.8	26.7	20.1	79.0	9.6	44.8	54.4	5.8
25	15.9	25.2	19.7	83.7	0.0	0.0	0.0	5.5
26	16.7	25.6	20.0	81.0	0.0	21.0	21.0	4.1
27	16.2	25.8	19.8	82.7	0.0	20.9	20.9	3.0
28	16.0	25.8	16.8	95.3	12.1	0.0	12.1	.2
29	13.2	24.8	19.3	82.0	0.0	2.8	2.8	6.1
30	16.6	24.8	18.8	82.3	0.0	0.0	0.0	3.9
31								
Total					34.4	212.1	246.5	126.8
Promedio	15.7	25.5	19.7	82.0				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.8	25.0	18.4	83.3	22.1	10.3	32.4	6.1
2	14.7	24.8	19.2	82.3	0.0	2.0	2.0	0.0
3	15.8	26.0	20.1	85.0	0.0	1.8	1.8	5.8
4	16.9	25.6	20.0	85.3	2.3	3.7	6.0	3.3
5	16.0	25.5	19.8	80.7	.2	1.1	1.3	1.7
6	14.0	25.0	17.6	85.3	14.6	.2	14.8	4.6
7	13.2	26.0	19.4	78.7	1.0	3.2	4.2	7.1
8	15.0	24.6	19.5	83.3	0.0	0.0	0.0	4.2
9	15.5	26.2	21.0	73.0	0.0	12.2	12.2	6.3
10	14.9	25.0	19.4	80.0	0.0	0.0	0.0	4.8
11	16.4	23.8	19.6	79.7	0.0	0.0	0.0	1.5
12	15.8	25.6	19.2	79.0	.5	0.0	.5	5.8
13	16.0	25.8	20.0	79.7	2.2	.5	2.7	8.4
14	16.3	25.4	20.8	83.0	0.0	.5	.5	4.7
15	16.0	25.8	20.4	78.7	.2	.1	.3	7.4
16	15.9	25.0	19.9	79.0	0.0	0.0	0.0	5.3
17	16.0	23.0	18.5	89.3	6.3	0.0	6.3	2.4
18	14.0	26.0	20.0	76.7	0.0	1.6	1.6	7.0
19	15.6	25.6	20.0	82.3	1	18.7	18.8	6.5
20	16.0	25.8	20.0	83.0	.6	1.9	2.5	6.1
21	16.6	25.7	20.0	82.3	0.0	34.8	34.8	5.8
22	16.2	25.4	18.8	87.3	0.0	5.0	5.0	3.3
23	16.9	25.2	19.9	86.0	1.2	9.8	11.0	3.5
24	16.5	22.5	17.5	96.0	3.0	.7	3.7	1.3
25	16.4	25.2	19.5	81.0	0.0	10.2	10.2	3.9
26	16.8	24.4	19.8	86.7	0.0	0.0	0.0	3.9
27	16.4	25.8	20.4	78.0	16.2	0.0	16.2	9.3
28	16.3	23.1	19.3	85.0	0.0	.3	.3	3.8
29	16.0	26.4	20.0	80.0	0.0	0.0	0.0	7.8
30	16.5	23.4	19.0	86.7	4.1	0.0	4.1	8.4
31	16.4	25.9	19.8	83.0	0.0	0.0	0.0	7.8
Total					74.6	118.6	193.2	157.8
Promedio	15.8	25.1	19.6	82.6				

Estación : ALBERTO SANTOS
Año : 1999

Dpto. : SANTANDER
Mpio. : SOCORRO

Latitud : 5 ° 0'N
Longitud : 75 ° 36'W
Altitud : 1500 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	25.8	20.6	81.3	0.0	0.0	0.0	9.2
2	16.2	26.6	20.9	75.0	0.0	27.3	27.3	7.5
3	17.0	25.2	20.2	83.0	0.0	0.0	0.0	5.5
4	17.2	26.0	21.1	77.3	0.0	0.0	0.0	5.8
5	16.8	26.6	21.0	76.7	0.0	0.0	0.0	8.9
6	16.9	26.4	20.9	78.0	0.0	12.6	12.6	6.8
7	15.0	26.1	20.6	76.0	8.6	5.3	13.9	6.8
8	15.2	25.4	19.4	81.3	0.0	.5	.5	6.1
9	17.2	26.0	20.6	81.3	0.0	0.0	0.0	6.4
10	17.4	26.7	21.2	80.7	0.0	0.0	0.0	6.2
11	16.5	23.3	19.5	80.7	0.0	1.2	1.2	2.5
12	16.0	25.8	20.5	82.7	2.0	24.8	26.8	8.4
13	15.8	26.0	20.0	84.7	0.0	.2	.2	7.9
14	15.4	25.7	20.2	79.3	0.0	11.7	11.7	8.8
15	16.0	25.8	19.4	84.0	0.0	1.5	1.5	5.5
16	15.8	26.0	19.9	81.3	1.2	0.0	1.2	4.9
17	15.0	24.5	18.6	86.3	27.0	4.8	31.8	3.0
18	15.8	22.0	18.0	91.3	2.5	4.6	7.1	1.3
19	15.2	23.9	18.8	84.0	0.0	.2	.2	5.5
20	15.5	23.5	19.0	81.0	0.0	0.0	0.0	4.8
21	14.0	24.8	18.1	75.7	0.0	0.0	0.0	9.0
22	12.4	24.0	17.7	81.3	0.0	0.0	0.0	5.8
23	13.5	24.6	18.9	77.3	0.0	0.0	0.0	6.8
24	14.6	24.8	19.2	80.7	6.0	10.4	16.4	5.8
25	15.4	24.2	18.7	83.7	0.0	2.9	2.9	4.7
26	16.0	24.0	19.0	83.3	0.0	.3	.3	6.5
27	16.2	23.8	18.4	87.7	0.0	5.0	5.0	6.0
28	16.4	25.0	19.5	83.0	0.0	0.0	0.0	6.2
29	13.6	25.4	20.0	79.0	0.0	0.0	0.0	8.0
30	15.0	26.4	19.0	82.0	19.5	0.0	19.5	4.1
31								
Total					66.8	113.3	180.1	184.7
Promedio	15.6	25.1	19.6	81.3				

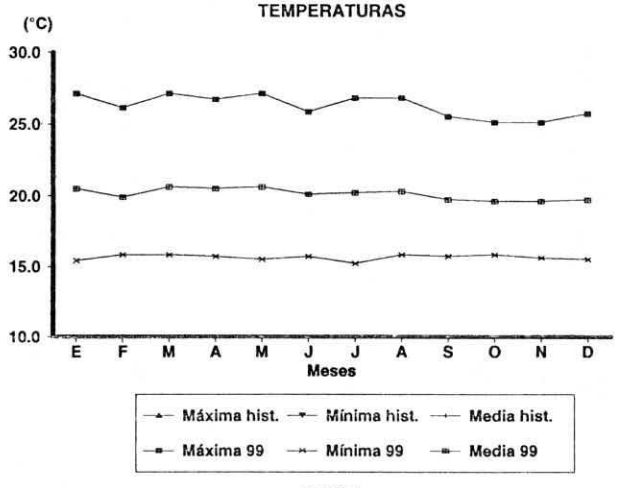
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.0	24.6	19.2	80.0	.2	8.2	8.4	5.6
2	15.2	24.4	19.7	78.7	3.3	0.0	3.3	5.7
3	15.0	24.7	20.0	81.0	0.0	0.0	0.0	7.1
4	15.2	26.0	20.4	78.3	0.0	.3	.3	7.4
5	16.2	24.8	19.4	82.3	0.0	0.0	0.0	4.7
6	16.6	24.4	19.7	82.0	0.0	2.7	2.7	5.2
7	17.0	25.1	19.4	83.3	0.0	0.0	0.0	6.7
8	16.9	26.5	20.2	78.3	0.0	0.0	0.0	8.1
9	16.2	27.0	21.0	76.3	0.0	0.0	0.0	8.0
10	16.0	26.2	20.4	77.7	0.0	0.0	0.0	6.0
11	15.0	23.6	19.3	88.3	0.0	0.0	0.0	1.5
12	16.7	25.9	20.0	81.7	0.0	0.0	0.0	3.2
13	16.4	26.1	20.0	78.0	0.0	3.5	3.5	6.4
14	16.8	26.5	19.8	81.7	0.0	20.0	20.0	4.4
15	15.5	25.9	20.2	81.3	0.0	0.0	0.0	6.4
16	16.2	27.2	20.6	76.7	0.0	.1	.1	5.6
17	16.4	27.3	20.4	81.3	0.0	4.9	4.9	6.5
18	16.2	26.2	20.4	77.3	0.0	0.0	0.0	7.5
19	15.4	26.8	20.2	79.3	0.0	0.0	0.0	6.8
20	16.8	27.5	20.4	79.7	0.0	0.0	0.0	7.2
21	16.5	26.3	20.6	75.0	0.0	0.0	0.0	5.1
22	16.4	27.2	19.8	74.3	0.0	0.0	0.0	7.9
23	14.2	24.5	18.5	82.0	0.0	0.0	0.0	4.4
24	13.0	25.5	18.6	78.0	0.0	0.0	0.0	8.0
25	13.1	25.7	18.8	79.3	.8	0.0	.8	7.2
26	15.1	22.8	17.8	90.0	0.0	.5	.5	1.6
27	15.0	23.4	18.2	83.7	0.0	0.0	0.0	4.9
28	14.6	25.6	19.2	73.0	0.0	0.0	0.0	7.6
29	13.8	25.9	19.2	75.0	0.0	0.0	0.0	6.3
30	15.0	26.3	19.7	77.0	0.0	0.0	0.0	4.7
31	14.9	26.7	19.1	75.7	0.0	0.0	0.0	7.6
Total					4.3	40.2	44.5	185.3
Promedio	15.5	25.7	19.7	79.6				

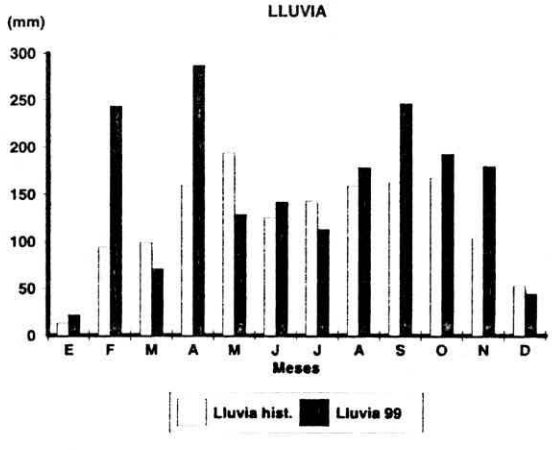
Estación : ALBERTO SANTOS
Año : 1999

Dpto. : SANTANDER
Mpio. : SOCORRO

Latitud : 5 ° 0 'N
Longitud : 75 ° 36 'W
Altitud : 1500 m

MES	TEMPERATURA °C					Hum. Rel. (%	PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.		Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	15.4	27.1	20.5	29.4	13.2	74.0	21.9	10	213.6
Febrero	15.8	26.1	19.9	29.2	13.9	77.8	243.6	18	131.8
Marzo	15.8	27.1	20.6	29.0	13.6	75.2	71.0	16	183.5
Abril	15.7	26.7	20.5	29.9	13.2	77.7	286.9	23	146.5
Mayo	15.5	27.1	20.6	29.2	14.4	78.0	128.8	20	204.1
Junio	15.7	25.8	20.1	30.1	14.0	78.7	142.0	24	137.7
Julio	15.2	26.8	20.2	29.8	13.4	76.8	113.1	23	194.2
Agosto	15.8	26.8	20.3	29.2	14.2	79.1	178.5	26	152.2
Septiembre	15.7	25.5	19.7	28.8	13.2	82.0	246.5	21	126.8
Octubre	15.8	25.1	19.6	26.4	13.2	82.6	193.2	24	157.8
Noviembre	15.6	25.1	19.6	26.7	12.4	81.3	180.1	18	184.7
Diciembre	15.5	25.7	19.7	27.5	13.0	79.6	44.5	10	185.3
Promedio :	15.6	26.2	20.1			78.6			
Absoluta :				30.1	12.4				
Total :							1850.1	233	2018.2





Estación : LA TRINIDAD
Año : 1999

Dpto. : TOLIMA
Mpio. : LIBANO

Latitud : 4 ° 54 'N
Longitud : 75 ° 3 'W
Altitud : 1430 m

Enero	Temperatura (°C) Min.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.6	25.0	20.5	89.3	0.0	0.0	0.0	
2	15.8	24.0	19.2	90.7	3.4	.1	3.5	
3	17.7	24.6	19.8	89.0	0.0	.1	.1	
4	17.8	24.2	19.8	91.3	10.9	.3	11.2	
5	17.4	23.4	19.5	87.7	3.6	3.7	7.3	
6	17.0	24.6	19.8	85.7	0.0	0.0	0.0	
7	15.8	24.4	19.4	84.7	0.0	30.3	30.3	
8	16.2	22.0	18.6	95.0	1.6	1.7	3.3	
9	16.0	22.5	18.9	94.7	0.0	15.2	15.2	
10	16.6	22.4	18.6	94.0	1.3	0.0	1.3	
11	16.8	23.2	17.8	95.3	5.8	0.0	5.8	
12	16.2	21.0	17.7	91.7	.6	0.0	.6	
13	16.2	23.6	18.7	89.0	.8	.6	1.4	
14	16.4	20.6	18.6	75.7	0.0	0.0	0.0	
15	16.2	22.6	18.4	82.7	0.0	0.0	0.0	
16	14.6	23.0	18.2	80.7	0.0	.1	.1	
17	16.6	24.8	19.6	78.3	0.0	0.0	0.0	
18	14.6	24.6	18.5	83.7	0.0	0.0	0.0	
19	16.6	25.3	19.9	86.0	0.0	2.4	2.4	
20	16.4	25.0	19.5	84.0	5.2	2.3	7.5	
21	16.6	23.0	20.2	89.3	.2	1.1	1.3	
22	16.9	21.8	19.4	94.3	1.1	0.0	1.1	
23	16.8	25.2	20.5	87.3	0.0	1.1	1.1	
24	17.0	22.0	19.0	93.7	2.5	.3	2.8	
25	17.7	23.8	20.0	87.3	0.0	0.0	0.0	
26	16.2	24.1	19.5	89.0	.3	4.6	4.9	
27	17.2	24.6	20.2	91.0	0.0	39.5	39.5	
28	16.4	22.2	19.3	88.7	10.5	27.6	38.1	
29	16.8	25.0	20.1	88.0	1.9	0.0	1.9	
30	16.9	26.2	21.2	83.0	0.0	.5	.5	
31	16.2	25.0	20.0	89.0	38.2	.3	38.5	
Total :					87.9	131.8	219.7	
Promedio :	16.5	23.7	19.4	88.1				

Febrero	Temperatura (°C) Min.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.4	24.5	19.6	89.3	0.0	.2	.2	1.6
2	17.8	24.9	20.3	84.7	0.0	4.4	4.4	1.1
3	15.4	24.2	19.8	82.0	0.0	.7	.7	.9
4	16.8	23.6	19.2	87.7	0.0	0.0	0.0	.5
5	16.6	21.4	18.6	93.3	1.1	0.0	1.1	0.0
6	17.0	23.2	19.8	88.3	.5	3.5	4.0	.5
7	16.8	23.6	19.1	87.0	1.5	1.1	2.6	.4
8	17.0	24.9	20.0	87.3	0.0	2.4	2.4	3.7
9	17.8	24.4	20.2	90.3	0.0	.2	.2	4.5
10	17.7	21.0	18.4	95.7	.6	.1	.7	0.0
11	16.6	22.7	19.2	91.7	0.0	10.1	10.1	2.0
12	16.4	25.0	20.4	87.3	0.0	48.8	48.8	7.0
13	15.8	23.8	19.1	85.3	0.0	0.0	0.0	1.9
14	16.6	24.2	19.6	89.7	0.0	31.2	31.2	2.5
15	16.2	21.8	18.2	94.7	0.0	0.0	0.0	0.0
16	16.8	23.8	19.0	88.3	8.1	0.0	8.1	.7
17	15.6	22.4	18.7	91.7	0.0	.5	.5	.2
18	16.8	22.9	18.6	93.7	3.1	0.0	3.1	.7
19	15.0	23.8	19.0	88.3	6.1	8.0	14.1	2.8
20	16.6	21.4	18.5	91.7	.2	0.0	.2	.5
21	16.2	23.6	19.4	88.7	0.0	4.2	4.2	2.3
22	15.6	24.2	19.1	84.3	0.0	0.0	0.0	2.4
23	16.4	24.6	18.9	86.7	.1	11.9	12.0	1.1
24	16.2	22.2	18.9	92.7	16.9	5.4	22.3	1.1
25	16.6	23.6	19.8	86.7	0.0	.1	.1	.8
26	16.9	24.6	20.3	86.7	.1	14.4	14.5	1.1
27	17.0	24.4	19.2	88.0	.2	3.8	4.0	2.4
28	16.2	23.6	18.8	93.0	25.5	1.1	26.6	1.3
29								
30								
31								
Total :					64.0	152.1	216.1	44.0
Promedio :	16.5	23.5	19.3	89.1				

Estación : LA TRINIDAD
Año : 1999

Dpto. : TOLIMA
Mpio. : LIBANO

Latitud : 4 ° 54 'N
Longitud : 75 ° 3 'W
Altitud : 1430 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.9	23.0	18.8	81.0	0.0	0.0	0.0	.6
2	15.6	24.0	18.2	90.3	.1	0.0	.1	2.3
3	15.2	25.4	20.2	77.0	0.0	1.4	1.4	3.8
4	16.6	24.0	19.6	90.3	.1	0.0	.1	1.6
5	17.0	26.0	20.8	84.7	0.0	0.0	0.0	4.0
6	16.9	26.6	21.0	84.0	0.0	0.0	0.0	6.5
7	16.0	26.4	20.6	83.7	0.0	0.0	0.0	4.3
8	16.0	26.5	20.1	83.7	0.0	0.0	0.0	4.9
9	17.9	24.2	20.5	76.3	0.0	0.0	0.0	.4
10	16.0	23.8	19.4	89.3	2.1	4.8	6.9	1.4
11	16.2	24.3	19.4	87.3	0.0	0.0	0.0	2.5
12	16.8	24.0	19.2	87.0	0.0	0.0	0.0	1.2
13	16.6	25.0	19.2	80.0	0.0	.5	.5	3.2
14	16.4	26.9	21.0	78.0	0.0	11.0	11.0	8.3
15	17.0	26.2	20.5	82.7	8.6	0.0	8.6	3.5
16	17.1	24.0	20.1	88.3	6.8	3.6	10.4	1.1
17	16.2	25.6	20.6	82.7	0.0	32.8	32.8	7.5
18	16.6	25.2	19.4	85.3	2.2	0.0	2.2	3.5
19	17.7	25.8	19.0	89.3	8.7	.1	8.8	1.8
20	17.4	24.8	20.2	80.7	0.0	5.0	5.0	1.9
21	16.4	24.0	20.0	82.7	0.0	4.7	4.7	2.8
22	16.2	23.0	18.8	92.7	0.0	7.3	7.3	.6
23	16.6	25.6	20.7	85.0	0.0	11.8	11.8	3.8
24	16.4	23.6	19.8	88.0	0.0	0.0	0.0	2.3
25	17.6	25.0	20.5	88.0	.6	0.0	.6	3.8
26	16.6	25.9	20.4	85.0	0.0	0.0	0.0	6.1
27	17.6	24.2	21.0	82.3	0.0	0.0	0.0	0.0
28	16.2	25.8	18.9	89.0	40.0	11.3	51.3	1.2
29	16.0	24.2	20.0	91.0	.2	0.0	.2	2.7
30	16.8	26.6	21.0	84.3	0.0	8.7	8.7	3.8
31	16.2	23.6	20.0	88.3	0.0	0.0	0.0	1.5
Total :					69.4	103.0	172.4	92.9
Promedio :	16.6	24.9	20.0	85.1				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.9	25.5	21.0	83.3	0.0	.8	.8	.5
2	17.4	23.7	19.8	96.3	1.1	.1	1.2	1.4
3	18.0	23.6	20.0	93.0	0.0	.2	.2	1.2
4	16.0	23.9	18.8	89.7	16.2	2.7	18.9	0.0
5	14.4	24.8	20.0	84.3	0.0	0.0	0.0	6.0
6	15.7	24.6	19.9	82.7	0.0	.3	.3	5.4
7	16.6	24.0	19.5	84.3	1.3	0.0	1.3	2.1
8	16.7	24.4	18.9	92.0	7.7	10.6	18.3	.5
9	16.2	22.4	18.5	90.0	2.7	0.0	2.7	.8
10	16.4	23.9	19.1	92.3	.5	0.0	.5	1.0
11	15.8	24.2	19.7	87.0	0.0	.1	.1	2.1
12	16.2	24.6	20.2	89.7	0.0	58.3	58.3	3.4
13	16.2	24.2	20.2	89.7	0.0	1.8	1.8	3.8
14	16.8	25.0	20.6	85.7	2.4	0.0	2.4	3.5
15	17.6	24.8	20.4	94.0	0.0	0.0	0.0	3.1
16	16.4	26.9	20.4	75.0	0.0	0.0	0.0	8.5
17	15.4	28.2	21.2	71.0	0.0	0.0	0.0	9.7
18	16.6	25.8	20.4	80.3	0.0	0.0	0.0	5.2
19	15.4	27.0	21.2	76.0	0.0	0.0	0.0	8.0
20	17.0	22.8	19.4	92.7	0.0	0.0	0.0	.4
21	15.0	25.9	21.2	77.0	0.0	0.0	0.0	7.7
22	18.0	26.2	21.5	79.3	0.0	.1	.1	10.0
23	18.2	23.2	20.2	92.0	0.0	0.0	0.0	.5
24	17.4	24.0	19.8	88.3	0.0	80.9	80.9	3.2
25	15.8	22.6	18.8	93.0	0.0	32.9	32.9	3.3
26	15.9	23.6	19.2	89.3	0.0	11.3	11.3	3.2
27	16.2	21.4	18.2	92.3	.2	0.0	.2	.9
28	16.4	23.9	18.6	91.0	0.0	1.0	1.0	2.0
29	17.2	24.4	20.8	87.3	0.0	14.5	14.5	7.0
30	17.4	21.8	18.6	91.7	1.2	0.0	1.2	.4
31								
Total :					33.3	215.6	248.9	104.8
Promedio :	16.5	24.4	19.9	87.0				

Estación : LA TRINIDAD
Año : 1999

Dpto. : TOLIMA
Mpio. : LIBANO

Latitud : 4 ° 54 'N
Longitud : 75 ° 3 'W
Altitud : 1430 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.2	23.4	20.2	87.0	0.0	.1	.1	6.5
2	17.0	24.9	20.0	82.3	40.4	.4	40.8	2.5
3	16.4	24.0	19.9	86.7	0.0	.1	.1	6.3
4	17.2	21.0	18.2	92.3	1.3	0.0	1.3	.4
5	16.4	24.0	20.3	80.7	0.0	.7	.7	5.6
6	16.0	23.8	20.0	87.7	.3	15.6	15.9	2.6
7	16.3	24.4	19.4	88.0	0.0	.1	.1	3.4
8	16.9	23.6	19.2	85.0	0.0	3.8	3.8	3.9
9	16.7	23.0	19.2	92.0	0.0	47.5	47.5	3.9
10	15.0	23.8	19.3	90.3	0.0	0.0	0.0	1.9
11	16.8	22.0	18.6	89.3	0.0	.7	.7	1.4
12	16.4	23.3	19.7	88.7	.9	10.8	11.7	5.3
13	16.2	21.0	17.9	91.0	0.0	1.5	1.5	.1
14	15.6	25.0	19.8	86.0	0.0	.1	.1	7.0
15	17.4	24.8	21.0	82.0	0.0	0.0	0.0	8.4
16	15.8	26.4	20.4	86.3	0.0	0.0	0.0	6.0
17	16.4	25.2	20.2	87.0	0.0	0.0	0.0	7.9
18	15.8	25.0	20.6	82.0	.3	34.7	35.0	3.7
19	16.6	23.0	19.4	91.7	0.0	0.0	0.0	2.2
20	18.2	23.1	19.2	89.7	0.0	0.0	0.0	1.0
21	15.8	26.0	20.9	75.7	0.0	1.8	1.8	5.6
22	17.8	24.6	20.4	85.3	0.0	1.8	1.8	3.6
23	17.6	25.2	21.0	86.7	0.0	2.0	2.0	6.6
24	17.0	24.8	20.1	91.3	0.0	0.0	0.0	6.1
25	16.0	24.2	21.0	89.3	0.0	0.0	0.0	4.7
26	17.4	25.9	21.2	84.3	0.0	0.0	0.0	4.9
27	16.2	26.0	21.2	80.3	0.0	0.0	0.0	4.1
28	17.0	25.8	21.0	78.3	12.9	0.0	12.9	1.8
29	17.8	23.0	19.4	93.0	0.0	1.4	1.4	2.2
30	17.6	22.8	19.4	93.7	0.0	.1	.1	1.7
31	17.2	24.7	20.0	83.7	0.0	4.4	4.4	5.4
Total :					56.1	127.6	183.7	126.7
Promedio :	16.7	24.1	19.9	86.7				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	26.6	21.4	80.7	0.0	18.3	18.3	7.1
2	16.0	24.0	19.4	92.3	2.1	0.0	2.1	1.0
3	15.4	26.6	21.4	82.7	0.0	.2	.2	5.8
4	17.8	22.2	19.2	93.3	.4	20.5	20.9	.5
5	17.0	21.8	19.2	93.0	0.0	0.0	0.0	.5
6	16.4	24.8	19.2	86.3	18.9	12.8	31.7	2.4
7	17.4	23.8	20.3	83.7	.5	17.6	18.1	2.4
8	16.0	23.4	19.5	90.7	.4	.6	1.0	3.3
9	17.2	24.8	19.7	88.7	11.6	0.0	11.6	2.1
10	16.0	23.8	20.5	84.0	0.0	13.2	13.2	5.6
11	16.6	23.2	19.6	92.0	.6	0.0	.6	3.3
12	16.9	23.8	19.8	90.7	6.8	39.6	46.4	3.5
13	16.0	23.2	19.0	91.0	39.1	0.0	39.1	1.8
14	16.5	24.6	19.1	86.7	5.2	0.0	5.2	1.7
15	16.2	23.6	18.9	93.0	13.1	0.0	13.1	1.7
16	15.8	22.0	18.4	90.3	1.2	0.0	1.2	.1
17	16.4	24.0	20.2	83.3	0.0	6.7	6.7	5.8
18	17.0	23.4	18.1	93.7	0.0	0.0	0.0	1.2
19	16.8	24.4	19.8	88.3	1.6	.6	2.2	2.1
20	17.0	24.0	20.5	92.0	0.0	0.0	0.0	1.6
21	18.2	23.0	19.5	89.7	7.1	.7	7.8	.3
22	16.4	23.8	19.9	89.3	0.0	0.0	0.0	3.7
23	15.4	21.0	18.0	92.3	4.3	0.0	4.3	.1
24	15.2	24.4	19.2	80.7	0.0	.7	.7	1.2
25	16.8	25.0	20.2	82.7	0.0	6.9	6.9	7.4
26	16.4	22.8	19.0	94.3	7.4	30.7	38.1	2.9
27	15.4	23.6	18.8	88.3	.3	52.5	52.8	4.1
28	16.0	22.0	18.3	91.0	0.0	.9	.9	.9
29	16.0	24.0	19.8	88.0	0.0	0.0	0.0	5.5
30	17.0	24.4	20.3	85.3	0.0	16.3	16.3	7.0
31								
Total :					120.6	238.8	359.4	86.6
Promedio :	16.5	23.7	19.5	88.6				

Estación : LA TRINIDAD
Año : 1999

Dpto. : TOLIMA
Mpio. : LIBANO

Latitud : 4 ° 54 'N
Longitud : 75 ° 3 'W
Altitud : 1430 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	23.2	18.6	90.7	0.0	1.5	1.5	2.1
2	15.8	24.2	19.2	92.3	0.0	8.2	8.2	3.4
3	15.4	23.2	19.4	84.3	2.5	5.9	8.4	1.6
4	14.8	22.6	18.5	87.7	0.0	0.0	0.0	4.4
5	14.6	26.6	20.4	81.0	0.0	0.0	0.0	6.1
6	15.4	23.6	20.0	84.7	0.0	0.0	0.0	7.1
7	16.0	20.6	18.2	93.7	.4	.2	.6	.5
8	15.6	23.0	19.3	88.0	0.0	0.0	0.0	3.7
9	14.4	24.2	19.8	71.7	0.0	0.0	0.0	7.6
10	12.8	24.8	18.4	73.7	0.0	0.0	0.0	8.6
11	15.2	24.0	20.6	70.0	0.0	0.0	0.0	10.6
12	15.2	25.8	19.6	76.0	0.0	2.5	2.5	5.6
13	15.6	23.6	18.8	86.3	0.0	0.0	0.0	6.4
14	16.4	25.9	21.1	68.7	0.0	0.0	0.0	11.1
15	14.8	26.5	20.4	68.3	0.0	0.0	0.0	10.8
16	16.6	25.8	20.8	71.7	0.0	0.0	0.0	8.7
17	15.8	25.6	20.8	75.0	0.0	.9	.9	8.3
18	17.0	24.8	20.2	83.7	0.0	0.0	0.0	7.2
19	16.5	26.0	20.8	78.7	0.0	16.3	16.3	8.7
20	16.2	24.7	20.4	86.0	0.0	.2	.2	6.9
21	17.2	25.2	20.4	79.0	0.0	0.0	0.0	7.7
22	15.8	24.4	20.1	77.3	0.0	0.0	0.0	4.1
23	15.6	24.0	19.2	87.0	0.0	0.0	0.0	2.1
24	16.6	24.6	21.4	78.3	0.0	0.0	0.0	4.7
25	16.4	25.6	21.4	71.0	0.0	0.0	0.0	10.0
26	14.6	26.2	20.5	69.0	0.0	1.2	1.2	6.5
27	17.0	23.6	20.1	80.0	0.0	0.0	0.0	2.8
28	16.0	26.8	21.1	71.0	0.0	1.1	1.1	7.6
29	17.2	22.0	19.0	90.3	37.5	0.0	37.5	.4
30	15.2	25.8	21.3	71.7	0.0	8.1	8.1	9.1
31	15.6	24.6	19.7	79.0	0.0	0.0	0.0	3.4
Total :					40.4	46.1	86.5	187.8
Promedio :	15.7	24.6	20.0	79.5				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.2	24.2	20.5	72.3	0.0	0.0	0.0	5.6
2	14.8	25.4	20.6	61.7	0.0	0.0	0.0	8.4
3	13.8	25.8	20.3	61.0	0.0	0.0	0.0	7.1
4	13.0	24.8	19.4	66.3	0.0	0.0	0.0	6.9
5	13.9	25.4	20.0	77.0	0.0	0.0	0.0	8.3
6	15.6	26.8	21.6	80.0	0.0	5.5	5.5	8.9
7	17.2	23.6	19.7	83.7	0.0	0.0	0.0	.7
8	17.0	24.4	20.8	77.0	0.0	20.1	20.1	4.1
9	15.2	23.2	19.2	81.3	0.0	0.0	0.0	2.7
10	15.0	26.5	19.6	70.7	0.0	0.0	0.0	6.2
11	16.6	26.0	21.2	67.3	0.0	0.0	0.0	6.7
12	14.6	23.2	19.3	80.7	.3	0.0	.3	.2
13	16.4	25.8	19.9	79.7	.3	1.1	1.4	4.8
14	16.0	24.8	20.6	77.7	0.0	0.0	0.0	4.2
15	15.6	25.1	20.6	66.3	0.0	0.0	0.0	6.2
16	14.8	26.8	21.4	66.0	0.0	0.0	0.0	9.2
17	16.3	26.9	21.8	61.0	0.0	0.0	0.0	10.4
18	17.0	28.0	22.4	57.3	0.0	0.0	0.0	9.1
19	16.8	27.9	20.8	61.7	0.0	0.0	0.0	7.7
20	15.8	25.8	21.1	66.3	0.0	1.4	1.4	5.3
21	16.8	24.8	19.5	83.3	0.0	0.0	0.0	4.7
22	17.0	23.1	19.1	89.3	.1	0.0	.1	.9
23	13.6	27.2	20.4	77.7	0.0	0.0	0.0	7.7
24	15.8	24.9	19.8	79.7	4.4	18.6	23.0	5.5
25	16.8	23.0	19.2	88.7	.5	35.0	35.5	1.7
26	15.4	23.6	19.2	89.7	0.0	32.1	32.1	3.9
27	16.2	23.8	19.4	88.7	1.5	2.9	4.4	5.6
28	15.6	24.0	19.8	83.3	0.0	2.8	2.8	2.8
29	17.0	24.8	20.3	84.7	0.0	0.0	0.0	6.9
30	17.7	26.8	20.8	73.0	0.0	0.0	0.0	8.5
31	14.8	26.1	21.5	63.7	0.0	.5	.5	9.2
Total :					7.1	120.0	127.1	180.1
Promedio :	15.8	25.2	20.3	74.7				

Estación : LA TRINIDAD
Año : 1999

Dpto. : TOLIMA
Mpio. : LIBANO

Latitud : 4 ° 54 'N
Longitud : 75 ° 3 'W
Altitud : 1430 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.8	23.2	19.9	87.0	0.0	13.0	13.0	1.0
2	17.0	23.1	19.6	87.3	0.0	6.2	6.2	2.2
3	16.8	23.3	19.8	87.3	0.0	17.4	17.4	.9
4	16.2	22.6	19.6	89.7	.4	15.7	16.1	2.0
5	16.4	22.6	18.4	96.7	30.7	.1	30.8	1.1
6	15.2	25.8	20.8	77.7	0.0	5.5	5.5	6.1
7	16.2	25.9	20.9	83.3	0.0	20.8	20.8	6.1
8	15.6	24.6	19.2	87.3	0.0	0.0	0.0	1.6
9	15.8	25.2	20.1	85.7	1.9	6.0	7.9	3.4
10	16.8	23.6	18.4	90.3	0.0	.5	.5	.7
11	16.0	23.2	19.2	90.0	0.0	30.2	30.2	4.9
12	15.8	23.0	19.1	91.3	0.0	9.2	9.2	1.5
13	17.0	23.2	19.4	89.7	0.0	0.0	0.0	2.0
14	16.1	19.4	16.6	93.3	12.7	0.0	12.7	.1
15	15.2	24.0	19.6	84.0	0.0	0.0	0.0	2.6
16	15.4	23.6	20.3	86.0	0.0	17.6	17.6	5.5
17	16.2	23.2	18.5	96.7	0.0	0.0	0.0	1.9
18	15.4	24.4	19.7	87.0	0.0	0.0	0.0	6.8
19	15.9	25.4	20.1	85.0	0.0	0.0	0.0	2.1
20	17.2	26.8	21.2	83.3	1.3	0.0	1.3	6.7
21	15.6	25.2	20.7	82.0	0.0	27.7	27.7	4.5
22	16.0	22.4	19.0	87.7	0.0	0.0	0.0	1.2
23	16.0	23.8	18.6	84.7	.4	0.0	.4	1.4
24	15.6	23.6	19.6	85.7	0.0	6.4	6.4	6.3
25	15.9	23.2	18.6	90.0	.7	3.0	3.7	2.7
26	15.0	22.8	18.2	93.0	8.4	14.2	22.6	2.8
27	15.8	20.8	18.2	92.7	.6	.2	.8	.3
28	16.4	22.0	18.5	90.3	0.0	3.3	3.3	.5
29	15.6	22.4	18.3	91.3	0.0	19.8	19.8	.8
30	16.8	22.0	18.2	92.0	.5	12.5	13.0	1.6
31								
Total :					57.6	229.3	286.9	81.3
Promedio :	16.1	23.5	19.3	88.3				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.4	23.8	20.0	84.0	0.0	20.8	20.8	1.3
2	16.2	23.5	18.6	88.0	0.0	0.0	0.0	2.7
3	16.8	23.2	19.2	91.3	0.0	13.8	13.8	1.9
4	16.0	21.7	18.9	92.3	0.0	3.3	3.3	1.5
5	16.8	23.0	20.2	87.3	0.0	0.0	0.0	4.2
6	16.0	23.2	18.8	84.0	18.5	5.6	24.1	2.6
7	15.4	23.4	19.1	89.0	0.0	11.2	11.2	5.3
8	15.6	23.0	18.4	92.3	0.0	15.8	15.8	5.5
9	16.7	22.4	18.9	87.3	0.0	.2	.2	4.7
10	16.8	23.2	19.6	91.3	0.0	20.3	20.3	5.0
11	16.0	24.0	19.0	88.7	2.0	0.0	2.0	2.9
12	16.6	25.2	19.3	90.7	3.3	0.0	3.3	4.0
13	14.0	23.8	20.0	83.3	0.0	0.0	0.0	4.3
14	17.0	23.5	19.6	85.7	0.0	0.0	0.0	3.4
15	16.2	24.0	19.4	87.3	0.0	18.6	18.6	3.7
16	16.0	22.3	18.3	89.7	1.3	0.0	1.3	.7
17	16.6	22.8	19.1	89.3	.1	.2	.3	.8
18	15.6	24.4	19.7	84.3	0.0	4.3	4.3	5.1
19	16.2	23.0	19.6	84.3	0.0	24.3	24.3	5.9
20	16.9	22.6	20.2	91.0	0.0	8.6	8.6	4.7
21	17.2	23.4	19.2	90.7	.2	0.0	.2	3.7
22	16.8	24.0	19.3	91.7	4.9	29.3	34.2	2.6
23	16.4	22.2	18.3	88.7	0.0	.6	.6	1.7
24	16.8	22.0	19.2	92.0	0.0	38.2	38.2	1.2
25	16.2	23.8	18.2	93.3	13.8	0.0	13.8	3.5
26	17.2	23.6	20.1	89.7	.3	39.7	40.0	1.6
27	16.8	24.4	19.7	91.0	2.3	1.0	3.3	1.4
28	17.0	24.6	19.9	86.0	1.1	5.3	6.4	1.9
29	16.2	24.0	19.7	88.7	3.3	6.2	9.5	2.9
30	16.0	21.0	17.2	93.0	12.6	0.0	12.6	.3
31	14.8	24.2	19.2	86.7	0.0	0.0	0.0	1.8
Total :					63.7	267.3	331.0	92.8
Promedio :	16.3	23.3	19.2	88.8				

Estación : LA TRINIDAD
Año : 1999

Dpto. : TOLIMA
Mpio. : LIBANO

Latitud : 4 ° 54 'N
Longitud : 75 ° 3 'W
Altitud : 1430 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.6	25.2	20.4	88.0	4.1	8.5	12.6	3.1
2	16.9	23.6	19.7	90.3	.1	2.3	2.4	1.7
3	17.2	23.8	19.6	89.7	6.8	0.0	6.8	2.1
4	16.8	25.4	20.8	84.3	0.0	0.0	0.0	3.6
5	17.2	24.6	21.4	86.7	0.0	0.0	0.0	3.4
6	17.6	24.4	20.4	88.7	0.0	0.0	0.0	4.2
7	16.4	24.6	20.4	83.7	3.8	0.0	3.8	2.7
8	17.2	24.0	20.0	89.3	0.0	0.0	0.0	1.5
9	17.0	25.8	20.6	80.0	0.0	0.0	0.0	4.7
10	18.0	25.2	21.1	87.7	0.0	18.8	18.8	2.4
11	17.2	22.6	19.7	92.0	0.0	.2	.2	.5
12	16.4	24.6	19.5	94.3	.4	6.4	6.8	2.9
13	17.8	22.9	19.7	93.3	.3	0.0	.3	8.4
14	15.8	23.8	21.2	77.7	0.0	23.0	23.0	1.8
15	17.2	23.8	18.4	93.3	0.0	0.0	0.0	1.7
16	14.4	24.6	20.5	82.3	0.0	1.0	1.0	5.2
17	16.6	24.9	20.1	82.0	1.5	20.7	22.2	5.2
18	16.2	21.8	18.2	89.3	.1	2.4	2.5	.1
19	15.8	20.6	18.6	95.7	0.0	2.5	2.5	.1
20	16.0	22.0	18.7	89.0	0.0	0.0	0.0	.5
21	16.1	19.8	18.2	80.0	1.5	0.0	1.5	.1
22	16.4	22.8	19.1	84.3	0.0	0.0	0.0	.1
23	16.6	23.0	19.7	87.3	0.0	0.0	0.0	1.6
24	16.0	23.8	19.5	88.3	.2	11.6	11.8	2.3
25	16.1	21.5	17.8	90.0	5.0	.2	5.2	.4
26	16.2	24.0	19.2	89.0	.1	0.0	.1	3.7
27	14.2	23.8	19.4	83.7	0.0	0.0	0.0	3.3
28	16.8	24.0	20.2	86.3	0.0	0.0	0.0	3.5
29	15.4	25.0	19.8	84.7	0.0	.9	.9	3.1
30	16.6	24.5	19.8	86.3	.2	11.2	11.4	2.5
31								
Total :					24.1	109.7	133.8	76.4
Promedio :	16.5	23.7	19.7	87.2				

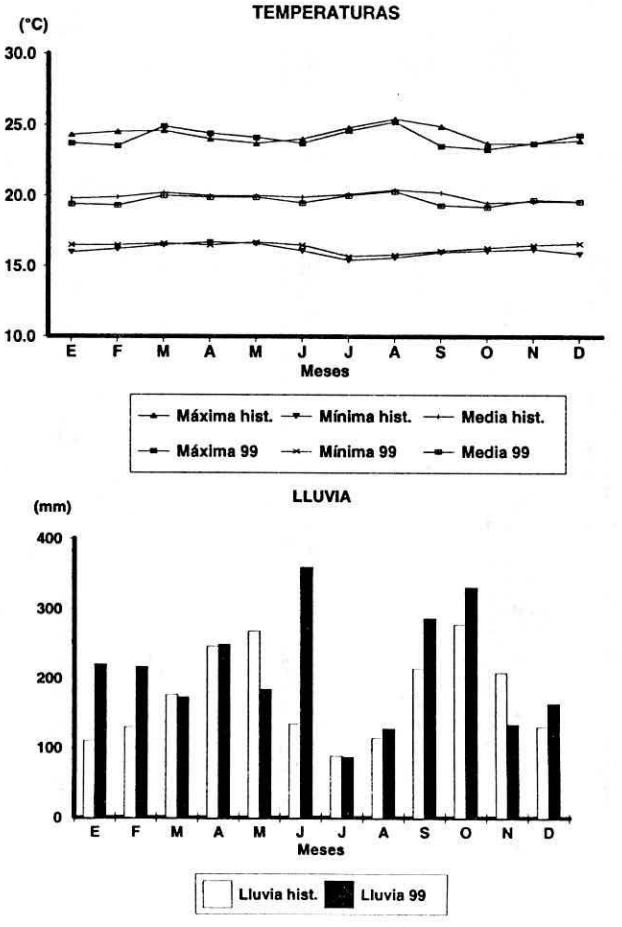
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	25.0	18.6	93.0	7.5	3.9	11.4	2.4
2	16.4	22.6	19.2	88.0	0.0	7.0	7.0	.3
3	16.2	23.8	19.6	86.3	0.0	16.3	16.3	3.3
4	16.0	23.9	19.9	89.7	0.0	13.1	13.1	2.9
5	16.4	23.2	19.2	92.3	0.0	.6	.6	1.0
6	16.4	25.0	19.9	85.7	2.3	1.5	3.8	2.6
7	16.8	24.8	21.0	81.0	0.0	0.0	0.0	5.0
8	17.6	25.0	20.9	86.3	0.0	1.4	1.4	2.8
9	17.8	23.2	20.1	89.7	2.9	.2	3.1	3.3
10	17.4	23.8	20.4	86.0	0.0	21.6	21.6	2.4
11	16.6	22.8	19.0	94.7	2.3	1.9	4.2	2.0
12	16.8	24.8	19.8	91.0	0.0	29.0	29.0	1.5
13	16.4	24.8	19.5	92.7	0.0	0.0	0.0	4.9
14	16.8	25.0	20.0	84.7	.9	8.3	9.2	3.8
15	17.0	23.6	19.8	91.0	0.0	16.3	16.3	2.4
16	16.4	24.0	19.4	90.3	0.0	1.5	1.5	3.2
17	16.9	24.1	20.0	91.0	0.0	2.0	2.0	1.6
18	17.2	24.0	19.6	90.0	0.0	.8	.8	2.0
19	17.2	24.8	20.3	88.0	0.0	0.0	0.0	1.4
20	17.1	25.4	20.5	87.7	0.0	0.0	0.0	2.3
21	18.0	27.8	21.7	84.0	0.0	8.9	8.9	3.4
22	17.6	23.8	19.6	87.3	.1	0.0	.1	.6
23	16.6	24.9	19.2	87.3	0.0	.1	.1	3.1
24	16.0	23.4	18.4	78.0	4.0	1.9	5.9	1.7
25	15.7	25.0	18.5	86.3	.2	0.0	.2	1.5
26	16.0	23.4	19.6	82.3	0.0	3.1	3.1	5.5
27	16.4	22.2	18.0	88.3	1.0	0.0	1.0	1.5
28	15.6	25.0	19.4	78.3	0.0	1.7	1.7	6.5
29	15.4	24.0	18.6	84.3	0.0	0.0	0.0	1.8
30	15.0	23.8	19.0	87.3	0.0	0.0	0.0	3.1
31	15.4	25.4	19.8	86.7	0.0	1.1	1.1	4.8
Total :					21.2	142.2	163.4	84.6
Promedio :	16.6	24.3	19.6	87.4				

Estación : LA TRINIDAD
Año : 1999

Dpto. : TOLIMA
Mpio. : LIBANO

Latitud : 4 ° 54 'N
Longitud : 75 ° 3 'W
Altitud : 1430 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	16.5	23.7	19.4	26.2	14.6	88.1	219.7	24	75.0
Febrero	16.5	23.5	19.3	25.0	15.0	89.1	216.1	24	44.0
Marzo	16.6	24.9	20.0	26.9	15.2	85.1	172.4	19	92.9
Abril	16.5	24.4	19.9	28.2	14.4	87.0	248.9	21	104.8
Mayo	16.7	24.1	19.9	26.4	15.0	86.7	183.7	21	126.7
Junio	16.5	23.7	19.5	26.6	15.2	88.6	359.4	25	86.6
Julio	15.7	24.6	20.0	26.8	12.8	79.5	86.5	12	187.8
Agosto	15.8	25.2	20.3	28.0	13.0	74.7	127.1	12	180.1
Septiembre	16.1	23.5	19.3	26.8	15.0	88.3	286.9	23	81.3
Octubre	16.3	23.3	19.2	25.2	14.0	88.8	331.0	26	92.8
Noviembre	16.5	23.7	19.7	25.8	14.2	87.2	133.8	19	76.4
Diciembre	16.6	24.3	19.6	27.8	15.0	87.4	163.4	25	84.6
Promedio :	16.4	24.1	19.7			85.9			
Absoluta :				28.2	12.8				
Total :							2528.9	251	1233.0



Estación : CHAPETON
Año : 1999

Dpto. : TOLIMA
Mpio. : IBAGUE

Latitud : 4 ° 28 'N
Longitud : 75 ° 16 'W
Altitud : 1300 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	25.2	19.6	79.0	7.6	3.0	10.6	4.8
2	15.8	23.4	19.0	86.7	45.0	0.0	45.0	.4
3	16.2	24.0	20.3	83.7	0.0	.3	.3	2.8
4	16.8	25.0	19.5	84.0	8.8	.4	9.2	3.9
5	16.2	23.8	19.3	90.0	1.5	10.8	12.3	2.0
6	15.8	24.9	20.0	81.7	0.0	20.0	20.0	4.1
7	17.0	24.0	19.5	84.7	16.0	14.0	30.0	2.4
8	15.8	23.0	18.8	84.7	13.0	0.0	13.0	.4
9	15.0	22.5	18.8	83.3	0.0	2.1	2.1	.8
10	16.2	24.9	19.4	84.3	1.0	11.0	12.0	.2
11	17.5	22.0	18.2	90.7	37.5	.1	37.6	1.5
12	14.2	21.8	18.3	84.7	7.2	5.0	12.2	.7
13	14.0	23.0	18.5	87.7	2.2	0.0	2.2	4.8
14	15.4	21.5	19.0	82.3	1.4	.2	1.6	1.0
15	15.6	24.2	19.6	83.7	0.0	.4	.4	6.3
16	15.0	22.0	18.6	83.0	1.2	.4	1.6	1.0
17	15.2	23.6	18.6	81.7	0.0	0.0	0.0	4.0
18	14.8	23.6	18.9	84.7	0.0	.9	.9	3.1
19	15.8	23.7	18.5	85.0	10.5	19.1	29.6	3.9
20	16.2	24.6	19.0	82.0	0.0	0.0	0.0	1.2
21	15.4	23.2	19.2	84.3	1.2	12.0	13.2	1.6
22	15.8	23.0	18.8	88.0	.5	0.0	.5	1.7
23	16.0	24.0	19.0	84.0	7.4	.8	8.2	5.9
24	16.6	21.5	18.8	92.7	2.1	.3	2.4	.3
25	16.4	24.0	19.4	85.3	10.1	12.8	22.9	2.0
26	15.9	23.0	19.2	86.7	0.0	3.9	3.9	1.5
27	16.2	24.2	19.5	83.3	.6	22.7	23.3	2.4
28	16.9	23.0	19.4	86.0	0.0	0.0	0.0	.7
29	16.4	24.0	19.6	84.3	0.0	0.0	0.0	3.1
30	15.0	26.4	19.7	95.0	0.0	0.0	0.0	7.0
31	16.0	25.7	19.3	80.0	.4	0.0	.4	1.8
Total :					175.2	140.2	315.4	77.3
Promedio :	15.8	23.6	19.1	85.1				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.0	25.4	20.2	77.3	0.0	7.2	7.2	3.2
2	17.0	24.0	19.6	80.7	1.2	1.3	2.5	3.2
3	15.4	23.8	19.0	88.7	2.4	4.5	6.9	3.0
4	17.0	23.4	19.3	87.3	0.0	0.0	0.0	4.1
5	16.6	23.5	19.2	84.3	.5	0.0	.5	1.7
6	15.8	23.4	19.6	83.7	.1	0.0	.1	.9
7	17.0	23.2	19.6	86.0	0.0	.4	.4	.5
8	16.2	26.2	20.2	80.0	0.0	0.0	0.0	7.1
9	17.0	27.2	21.3	72.3	0.0	0.0	0.0	7.4
10	16.8	22.1	18.6	88.7	47.3	0.0	47.3	.1
11	16.0	24.8	19.6	82.7	0.0	2.6	2.6	3.0
12	17.2	25.8	21.0	77.3	0.0	25.5	25.5	4.2
13	16.0	24.0	19.4	80.7	1.1	0.0	1.1	.2
14	14.7	24.1	19.7	82.0	.1	21.2	21.3	0.0
15	16.2	22.0	18.0	91.3	10.5	.2	10.7	.4
16	16.6	22.8	19.4	92.0	.7	21.6	22.3	1.3
17	16.4	22.0	19.0	85.7	1.1	.2	1.3	.1
18	17.0	21.6	18.6	89.7	14.3	9.8	24.1	.7
19	15.2	25.0	19.2	85.7	0.0	51.0	51.0	5.9
20	16.5	21.8	19.4	88.7	1.6	4.2	5.8	0.0
21	16.2	24.8	20.3	83.7	0.0	30.3	30.3	4.3
22	16.0	22.8	18.6	93.0	5.2	1.9	7.1	1.3
23	17.2	23.4	19.6	92.7	2.5	4.2	6.7	.7
24	17.0	22.8	19.2	88.7	7.3	.4	7.7	1.8
25	17.1	23.0	19.6	89.0	3.5	30.7	34.2	1.8
26	17.0	24.2	20.3	88.0	0.0	0.0	0.0	2.5
27	16.2	24.4	19.2	92.7	15.4	.1	15.5	2.8
28	17.0	22.2	18.4	95.3	17.0	.1	17.1	1.0
29								
30								
31								
Total :					131.8	217.4	349.2	63.2
Promedio :	16.4	23.7	19.5	86.0				

Estación : CHAPETON
Año : 1999

Dpto. : TOLIMA
Mpio. : IBAGUE

Latitud : 4 ° 28 'N
Longitud : 75 ° 16 'W
Altitud : 1300 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.6	22.8	19.2	92.0	18.7	0.0	18.7	1.9
2	15.9	23.4	19.4	85.0	.1	2.5	2.6	4.3
3	16.6	24.9	20.4	80.3	0.0	37.2	37.2	4.9
4	16.2	24.4	20.2	82.3	3.0	0.0	3.0	5.5
5	15.8	24.8	20.8	81.3	0.0	0.0	0.0	7.3
6	16.4	25.6	20.8	80.7	0.0	0.0	0.0	7.8
7	15.8	25.4	20.6	80.0	0.0	0.0	0.0	6.5
8	15.6	25.5	20.8	80.3	0.0	0.0	0.0	5.7
9	16.0	24.2	20.4	82.3	0.0	0.0	0.0	1.8
10	15.6	25.4	20.8	78.0	.3	.2	.5	2.9
11	16.0	27.6	20.5	78.7	1.5	0.0	1.5	4.0
12	15.2	26.0	21.0	85.7	0.0	0.0	0.0	1.1
13	15.0	25.1	20.0	79.0	0.0	0.0	0.0	.7
14	16.7	27.4	22.1	70.7	0.0	22.0	22.0	8.8
15	18.0	25.6	21.0	76.7	0.0	3.7	3.7	3.7
16	16.8	24.4	19.6	88.7	9.7	0.0	9.7	5.3
17	16.0	24.2	20.7	81.7	0.0	.5	.5	5.4
18	17.0	24.4	21.0	82.3	12.3	2.9	15.2	3.9
19	16.6	24.0	19.8	88.7	.3	0.0	.3	4.9
20	15.6	23.5	19.8	86.0	1.7	.5	2.2	2.8
21	16.8	25.6	20.9	76.3	.1	13.2	13.3	4.3
22	17.0	23.2	18.8	89.7	7.7	0.0	7.7	2.0
23	16.2	24.8	19.6	84.3	16.5	.2	16.7	3.8
24	17.2	25.0	20.6	86.7	0.0	1.0	1.0	3.9
25	16.6	25.1	21.0	84.7	3.3	0.0	3.3	4.7
26	16.0	26.5	21.0	77.3	0.0	0.0	0.0	6.2
27	17.8	25.4	22.0	76.0	0.0	0.0	0.0	1.6
28	16.8	26.0	21.7	77.7	0.0	.9	.9	4.9
29	17.0	24.2	20.4	84.0	0.0	0.0	0.0	4.6
30	16.2	26.2	21.2	81.0	0.0	1.9	1.9	5.7
31	16.4	25.2	20.8	85.3	0.0	.3	.3	4.4
Total :					75.2	87.0	162.2	135.3
Promedio :	16.3	25.0	20.5	82.0				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.4	25.8	21.0	78.7	0.0	0.0	0.0	.8
2	16.6	25.2	19.8	83.7	1.5	1.4	2.9	2.7
3	16.8	25.0	20.8	79.3	0.0	.8	.8	.8
4	17.3	24.8	20.7	89.3	14.5	5.7	20.2	.7
5	16.0	24.4	19.8	85.3	1.1	0.0	1.1	4.4
6	15.8	25.2	20.6	80.7	0.0	6.0	6.0	5.1
7	15.2	24.7	20.3	82.0	.8	1.4	2.2	4.5
8	17.0	24.0	20.1	85.0	4.4	14.6	19.0	1.7
9	16.5	22.4	19.2	86.3	.8	4.9	5.7	.8
10	17.0	23.9	19.4	82.7	11.1	.4	11.5	2.5
11	15.0	24.9	20.8	82.7	.4	0.0	.4	4.0
12	17.0	25.2	20.6	82.3	5.8	28.7	34.5	5.8
13	16.4	25.3	20.8	81.0	0.0	39.2	39.2	5.6
14	16.8	25.6	19.1	88.0	20.6	10.7	31.3	2.9
15	16.9	25.8	21.2	81.3	.3	1.2	1.5	0.0
16	15.0	26.6	20.6	78.3	0.0	0.0	0.0	4.4
17	14.9	27.7	21.0	71.3	0.0	0.0	0.0	7.1
18	16.5	24.8	19.6	76.3	.5	0.0	.5	9.7
19	15.0	26.2	21.3	67.3	0.0	0.0	0.0	3.4
20	16.5	23.7	19.7	86.7	.1	0.0	.1	1.3
21	15.0	27.0	21.2	73.0	0.0	0.0	0.0	6.5
22	17.7	27.2	21.9	72.3	0.0	1.0	1.0	8.5
23	17.8	24.6	21.0	82.0	0.0	.2	.2	.3
24	17.6	25.6	19.8	80.3	.8	31.6	32.4	2.2
25	16.7	25.0	19.6	79.0	13.7	19.1	32.8	2.7
26	16.2	24.8	19.8	78.7	0.0	29.9	29.9	7.0
27	15.7	21.0	18.1	90.7	14.6	.1	14.7	1.8
28	14.2	24.2	18.0	88.3	4.4	0.0	4.4	1.5
29	15.0	25.6	20.2	80.7	0.0	4.1	4.1	8.2
30	17.0	22.0	19.1	90.7	3.2	0.0	3.2	9.1
31								
Total :					98.6	201.0	299.6	116.0
Promedio :	16.2	24.9	20.2	81.5				

Estación : CHAPETON
Año : 1999

Dpto. : TOLIMA
Mpio. : IBAGUE

Latitud : 4 ° 28 'N
Longitud : 75 ° 16 'W
Altitud : 1300 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.2	25.8	20.4	78.0	0.0	6.9	6.9	2.4
2	16.3	24.2	18.6	86.7	.6	0.0	.6	3.0
3	16.0	24.2	20.2	84.7	.3	0.0	.3	5.5
4	15.2	21.5	18.1	88.3	2.2	.3	2.5	.8
5	14.6	24.8	19.8	81.3	0.0	0.0	0.0	8.9
6	15.6	24.0	19.6	85.3	1.3	29.9	31.2	3.1
7	16.0	23.8	18.0	95.3	7.8	6.7	14.5	4.0
8	16.2	23.5	19.6	86.0	4.6	1.7	6.3	4.5
9	16.4	24.4	20.2	80.7	3.7	12.9	16.6	3.7
10	16.8	24.5	20.0	84.3	.1	.1	.2	6.8
11	16.0	21.0	17.5	93.3	2.5	.5	3.0	0.0
12	16.2	23.8	20.1	85.0	0.0	1.2	1.2	5.6
13	15.4	20.8	17.8	91.7	20.1	.1	20.2	0.0
14	15.1	22.8	19.8	83.3	0.0	12.0	12.0	7.8
15	16.0	25.5	20.5	84.3	1.1	0.0	1.1	6.5
16	15.4	25.4	20.4	77.7	0.0	3.0	3.0	8.4
17	16.0	25.1	20.7	80.7	0.0	0.0	0.0	8.1
18	16.1	24.3	19.8	80.7	.3	.2	.5	2.8
19	17.0	24.2	19.7	82.0	1.1	0.0	1.1	1.4
20	16.2	24.5	20.2	77.7	0.0	0.0	0.0	2.6
21	16.8	25.4	20.8	76.0	0.0	7.0	7.0	3.4
22	17.7	26.0	21.0	81.0	0.0	1.1	1.1	5.3
23	17.0	25.5	21.1	80.0	.1	0.0	.1	7.4
24	16.6	26.2	20.4	82.3	0.0	0.0	0.0	7.3
25	15.3	25.4	20.5	81.0	0.0	0.0	0.0	7.1
26	16.6	25.3	20.6	80.0	0.0	0.0	0.0	5.9
27	15.6	26.5	21.6	75.0	0.0	10.0	10.0	6.8
28	17.0	26.0	21.0	79.0	1.4	0.0	1.4	3.0
29	18.0	24.8	20.6	83.3	0.0	15.8	15.8	4.3
30	16.3	26.2	20.6	79.7	0.0	7.1	7.1	4.3
31	17.2	26.2	20.6	76.7	.3	0.0	.3	5.7
Total :					47.5	116.5	164.0	146.4
Promedio :	16.2	24.6	20.0	82.6				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	26.0	20.5	77.3	7.4	16.0	23.4	9.1
2	16.8	23.3	20.0	87.7	.2	0.0	.2	2.8
3	15.4	25.0	20.4	77.3	0.0	0.0	0.0	7.1
4	16.0	24.0	19.3	85.7	1.8	2.1	3.9	3.0
5	16.9	26.0	20.6	84.0	.2	0.0	.2	3.5
6	16.4	26.6	21.3	75.0	0.0	5.0	5.0	8.2
7	17.2	24.8	20.7	86.0	.5	40.9	41.4	3.5
8	16.1	24.0	19.7	84.7	2.4	.1	2.5	4.8
9	17.0	24.3	19.6	89.0	5.3	0.0	5.3	4.8
10	15.2	25.8	20.6	81.3	0.0	31.7	31.7	9.3
11	17.0	25.0	20.5	85.7	6.8	0.0	6.8	5.1
12	16.2	24.4	21.4	87.0	.8	1.9	2.7	4.8
13	17.0	24.0	18.8	89.0	27.8	.2	28.0	1.9
14	16.9	24.0	19.8	80.7	0.0	0.0	0.0	4.2
15	17.2	22.0	19.1	88.3	1.7	.3	2.0	.9
16	15.7	24.2	19.4	82.0	.3	0.0	.3	3.5
17	16.9	25.0	20.3	84.3	0.0	1.0	1.0	6.1
18	16.4	22.4	18.7	94.0	5.8	10.2	16.0	1.9
19	16.8	24.8	19.7	82.7	3.2	1.5	4.7	3.3
20	16.9	25.0	20.9	83.0	0.0	0.0	0.0	3.7
21	16.1	22.3	19.0	86.7	21.3	0.0	21.3	1.3
22	15.2	23.6	18.9	88.0	4.2	0.0	4.2	5.7
23	15.0	22.5	18.0	86.0	12.1	0.0	12.1	1.3
24	14.2	24.0	19.4	79.0	0.0	0.0	0.0	5.7
25	16.2	25.0	19.8	86.0	0.0	40.9	40.9	3.4
26	16.0	24.4	19.2	86.3	3.7	20.3	24.0	6.1
27	16.0	23.6	19.6	82.3	1.7	11.4	13.1	5.1
28	16.1	23.0	18.6	88.3	2.5	.2	2.7	3.3
29	15.0	23.8	19.6	84.7	.2	0.0	.2	6.6
30	15.8	25.2	20.6	83.3	0.0	24.1	24.1	9.2
31								
Total :					109.9	207.8	317.7	139.2
Promedio :	16.2	24.3	19.8	84.5				

Estación : CHAPETON
Año : 1999

Dpto. : TOLIMA
Mpio. : IBAGUE

Latitud : 4 ° 28 'N
Longitud : 75 ° 16 'W
Altitud : 1300 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	21.7	18.3	88.0	.7	18.4	19.1	.7
2	15.4	23.3	19.4	86.0	0.0	7.8	7.8	3.0
3	16.0	24.2	19.9	85.7	6.5	5.7	12.2	3.2
4	16.2	23.4	19.1	85.7	0.0	0.0	0.0	8.0
5	15.2	25.2	20.0	83.3	.6	0.0	.6	5.5
6	15.8	25.9	20.4	70.0	0.0	0.0	0.0	6.9
7	16.3	22.8	19.0	87.3	.2	.3	.5	1.2
8	16.4	24.0	20.2	71.7	0.0	0.0	0.0	.5
9	16.2	25.8	20.6	69.0	0.0	0.0	0.0	6.5
10	12.6	24.8	16.2	80.0	0.0	0.0	0.0	7.5
11	15.8	24.6	19.2	78.3	0.0	0.0	0.0	9.6
12	15.8	27.0	20.6	70.7	0.0	.1	.1	6.9
13	15.0	24.9	20.0	75.0	0.0	0.0	0.0	9.3
14	16.2	26.2	20.7	73.3	0.0	0.0	0.0	9.0
15	14.0	26.0	19.5	76.3	0.0	0.0	0.0	9.4
16	14.1	25.9	20.0	72.7	0.0	0.0	0.0	4.5
17	14.7	26.3	20.2	75.0	0.0	0.0	0.0	9.2
18	15.8	24.2	20.1	79.7	0.0	0.0	0.0	5.5
19	16.0	26.4	20.8	73.3	0.0	1.8	1.8	7.5
20	17.2	25.6	20.8	78.3	2.0	0.0	2.0	5.7
21	17.0	27.2	20.4	73.0	0.0	0.0	0.0	6.9
22	17.1	26.6	20.2	74.3	0.0	0.0	0.0	5.5
23	15.0	25.6	20.7	72.3	0.0	0.0	0.0	2.2
24	17.0	27.2	21.8	72.3	0.0	23.4	23.4	8.0
25	17.2	27.7	21.1	71.3	0.0	0.0	0.0	9.8
26	15.8	27.0	20.9	71.7	0.0	1.3	1.3	4.0
27	16.9	25.8	20.8	77.3	0.0	0.0	0.0	1.4
28	17.6	27.4	21.4	67.3	0.0	0.0	0.0	4.4
29	16.4	23.0	19.2	89.0	3.7	0.0	3.7	.6
30	14.2	28.0	21.0	71.7	0.0	2.7	2.7	8.5
31	17.0	26.6	20.7	76.7	.7	0.0	.7	2.4
Total :					14.4	61.5	75.9	173.3
Promedio :	15.9	25.5	20.1	76.7				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.2	26.9	20.3	74.3	0.0	0.0	0.0	1.7
2	14.2	26.0	20.2	70.0	0.0	0.0	0.0	3.0
3	16.0	26.9	21.2	66.3	0.0	0.0	0.0	6.7
4	14.0	27.1	19.0	72.0	0.0	0.0	0.0	7.2
5	13.6	26.8	20.2	75.3	0.0	0.0	0.0	8.3
6	15.5	27.9	21.3	87.0	0.0	49.9	49.9	6.3
7	15.9	25.3	20.2	82.7	.1	1.3	1.4	1.6
8	16.8	26.8	20.9	74.0	0.0	.8	.8	5.1
9	17.0	23.6	19.9	83.3	1.5	0.0	1.5	0.0
10	14.6	27.8	20.8	71.0	0.0	0.0	0.0	4.4
11	16.4	28.6	20.2	73.3	0.0	0.0	0.0	8.7
12	14.6	26.7	20.2	75.7	0.0	.1	.1	4.6
13	15.5	27.8	21.0	73.3	.3	0.0	.3	5.3
14	16.2	27.7	21.4	78.0	4.0	1.9	5.9	4.8
15	16.8	24.9	20.0	78.3	0.0	0.0	0.0	.6
16	16.0	27.9	20.4	70.0	0.0	0.0	0.0	6.0
17	14.8	28.0	21.1	68.3	0.0	0.0	0.0	8.7
18	17.9	29.6	22.5	55.3	0.0	0.0	0.0	6.0
19	15.6	29.3	23.0	56.0	0.0	0.0	0.0	7.1
20	16.0	28.2	21.4	63.0	0.0	0.0	0.0	7.8
21	18.2	27.9	22.2	67.7	0.0	0.0	0.0	4.3
22	15.8	24.0	19.8	85.3	0.0	0.0	0.0	4.7
23	14.7	28.8	21.6	65.3	0.0	0.0	0.0	6.8
24	15.9	25.6	20.6	79.3	1.7	16.6	18.3	4.6
25	16.6	23.2	18.8	95.0	5.2	28.4	33.6	.3
26	15.8	25.2	19.8	79.0	0.0	31.7	31.7	3.6
27	16.4	25.4	20.3	83.3	.4	.2	.6	3.7
28	16.9	25.2	21.4	79.3	.3	29.7	30.0	2.6
29	16.7	27.2	20.6	84.7	.1	2.1	2.2	6.3
30	17.0	28.9	21.0	64.3	0.0	0.0	0.0	7.7
31	14.6	28.5	21.4	63.3	0.0	0.0	0.0	6.7
Total :					13.6	162.7	176.3	155.2
Promedio :	15.9	26.9	20.7	74.0				

Estación : CHAPETON
Año : 1999

Dpto. : TOLIMA
Mpio. : IBAGUE

Latitud : 4 ° 28 'N
Longitud : 75 ° 16 'W
Altitud : 1300 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.4	25.6	20.3	79.3	0.0	4.1	4.1	.8
2	17.2	25.4	20.3	80.3	0.0	2.4	2.4	3.2
3	17.0	25.9	21.4	81.0	0.0	38.2	38.2	2.6
4	15.4	26.0	20.8	78.7	1.9	1.4	3.3	4.4
5	16.4	24.2	19.9	86.3	1.6	0.0	1.6	1.3
6	14.2	27.8	21.2	75.3	0.0	0.0	0.0	6.3
7	17.8	26.6	21.4	78.7	0.0	17.1	17.1	4.2
8	17.0	26.2	20.5	86.7	4.1	0.0	4.1	1.4
9	15.8	25.4	20.6	82.3	0.0	0.0	0.0	5.0
10	16.6	23.4	19.8	87.0	19.4	16.6	36.0	1.5
11	15.8	24.9	19.6	85.3	0.0	8.0	8.0	4.9
12	16.6	23.0	20.1	86.0	1.6	0.0	1.6	3.4
13	17.8	24.9	20.8	76.7	19.5	1.8	21.3	4.8
14	15.6	18.4	16.8	97.0	4.8	0.0	4.8	0.0
15	14.4	24.6	20.7	80.0	0.0	.9	.9	5.6
16	17.0	26.4	20.9	82.0	0.0	50.2	50.2	5.5
17	16.4	24.4	20.0	77.7	0.0	0.0	0.0	.7
18	15.0	25.9	20.2	75.0	0.0	0.0	0.0	5.1
19	15.0	25.2	20.6	80.3	2.5	4.7	7.2	3.2
20	17.2	27.0	22.0	70.3	0.0	0.0	0.0	9.3
21	16.8	24.4	18.8	89.3	17.4	14.3	31.7	1.8
22	16.9	25.6	20.8	82.3	.6	.5	1.1	2.2
23	16.6	24.8	19.9	81.0	21.8	0.0	21.8	3.6
24	15.6	24.2	20.1	85.3	0.0	2.3	2.3	4.7
25	15.8	25.0	20.4	84.3	.1	6.9	7.0	3.8
26	15.4	24.9	20.2	86.3	7.7	29.4	37.1	4.7
27	16.0	20.2	18.0	96.3	14.2	1.0	15.2	.1
28	16.0	22.2	19.0	89.0	2.7	10.6	13.3	.6
29	15.8	24.0	19.5	87.3	0.0	.9	.9	2.4
30	16.0	23.9	18.8	86.0	2.4	5.0	7.4	4.7
31								
Total :					122.3	216.3	338.6	101.8
Promedio :	16.2	24.7	20.1	83.1				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.2	24.8	20.0	83.3	0.0	13.4	13.4	5.5
2	16.6	24.7	19.8	85.0	2.0	0.0	2.0	1.5
3	16.4	25.2	21.4	75.7	0.0	20.1	20.1	8.0
4	17.0	25.9	20.2	81.0	0.0	2.8	2.8	3.6
5	17.1	25.4	20.4	79.3	2.7	.2	2.9	4.8
6	16.8	26.7	19.6	79.0	8.8	1.8	10.6	3.5
7	15.4	24.6	20.2	75.0	0.0	7.6	7.6	5.7
8	16.5	26.3	20.1	82.0	0.0	8.5	8.5	6.0
9	17.0	25.4	21.4	76.7	0.0	0.0	0.0	4.1
10	16.7	26.8	21.7	81.3	0.0	0.0	0.0	7.8
11	16.9	24.6	20.1	82.7	4.1	1.6	5.7	4.6
12	16.2	24.4	18.8	82.7	8.8	0.0	8.8	4.9
13	14.6	25.6	18.8	81.7	0.0	0.0	0.0	4.2
14	17.0	25.9	20.0	78.7	0.0	0.0	0.0	3.2
15	16.4	25.2	19.9	80.3	0.0	.5	.5	4.9
16	16.6	25.4	20.4	84.3	2.0	0.0	2.0	2.4
17	15.2	23.6	19.8	84.7	12.0	0.0	12.0	2.8
18	15.0	24.9	19.9	84.7	0.0	1.3	1.3	6.1
19	15.6	24.4	20.0	77.0	0.0	4.0	4.0	6.8
20	16.0	25.4	19.8	88.7	.2	0.0	.2	3.7
21	16.2	25.7	20.9	82.3	6.5	8.6	15.1	6.1
22	15.6	24.3	20.0	89.7	2.9	.2	3.1	4.2
23	16.9	21.6	19.5	88.3	34.7	0.0	34.7	.3
24	16.2	23.4	19.6	91.7	1.0	0.0	1.0	2.2
25	16.4	23.0	18.8	92.7	10.0	0.0	10.0	2.9
26	16.0	23.6	19.5	92.7	1.7	4.7	6.4	4.8
27	17.2	23.0	19.4	90.3	.7	0.0	.7	1.7
28	16.4	23.4	19.4	91.3	1.1	.5	1.6	.9
29	15.2	24.4	20.0	86.0	0.0	0.0	0.0	3.9
30	16.0	20.4	18.7	94.3	8.6	0.0	8.6	0.0
31	15.7	24.8	20.4	86.3	0.0	0.0	0.0	6.4
Total :					107.8	75.8	183.6	127.5
Promedio :	16.2	24.6	20.0	84.2				

Estación : CHAPETON
Año : 1999

Dpto. : TOLIMA
Mpio. : IBAGUE

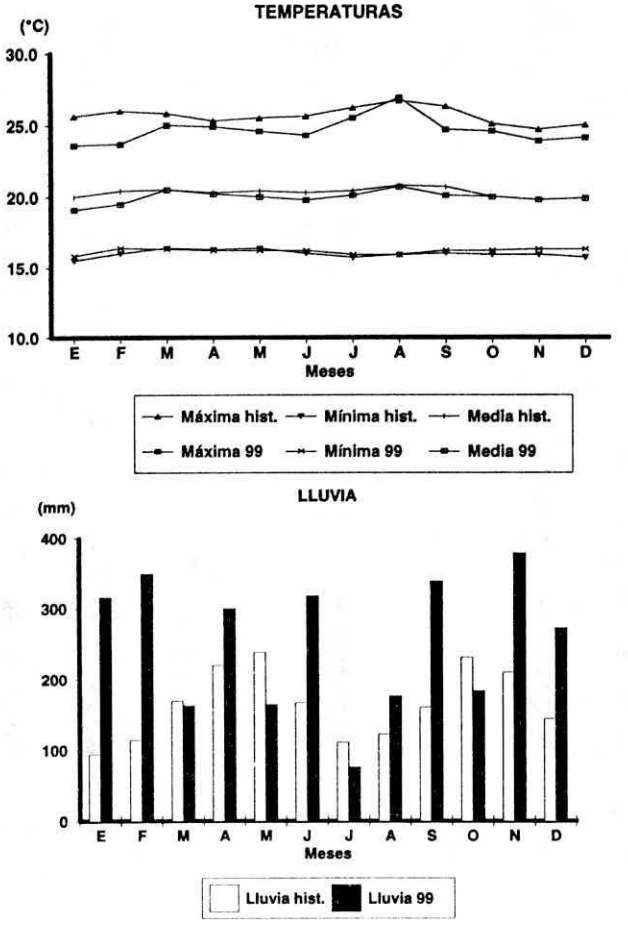
Latitud : 4 ° 28 'N
Longitud : 75 ° 16 'W
Altitud : 1300 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.6	25.2	20.8	85.3	2.0	5.0	7.0	4.9
2	14.6	25.0	19.8	82.0	38.0	0.0	38.0	4.5
3	16.2	24.4	20.3	87.7	8.6	18.6	27.2	3.7
4	15.8	24.6	20.6	88.3	.3	0.0	.3	5.5
5	17.8	24.0	20.8	90.3	0.0	12.1	12.1	3.7
6	18.0	25.0	20.7	86.0	0.0	0.0	0.0	4.1
7	15.0	25.6	20.3	87.3	0.0	21.7	21.7	4.8
8	17.0	22.8	19.8	96.0	4.0	0.0	4.0	1.4
9	18.0	24.8	20.4	90.3	0.0	.3	.3	3.5
10	17.6	25.1	20.6	87.3	10.0	7.0	17.0	3.3
11	16.8	24.3	19.7	86.3	5.0	0.0	5.0	1.2
12	17.2	24.4	20.4	80.0	0.0	0.0	0.0	1.0
13	17.6	24.2	20.6	89.3	0.0	0.0	0.0	1.8
14	15.7	25.9	19.6	87.3	0.0	2.0	2.0	6.9
15	16.8	25.0	20.4	85.0	0.0	0.0	0.0	1.2
16	14.0	24.9	19.7	85.0	0.0	0.0	0.0	6.0
17	16.2	25.6	18.6	95.7	30.0	9.7	39.7	3.0
18	17.0	21.6	18.4	96.7	10.1	27.8	37.9	.3
19	16.6	22.4	19.5	88.3	.2	0.0	.2	.8
20	16.4	23.4	19.8	87.0	.4	0.0	.4	2.4
21	16.6	21.6	19.6	86.0	.6	.7	1.3	1.0
22	17.2	20.6	18.2	96.0	5.6	6.5	12.1	.1
23	17.0	22.8	18.8	91.0	40.7	.5	41.2	2.3
24	16.0	23.0	19.4	86.7	4.0	5.0	9.0	4.1
25	16.2	22.4	19.0	91.3	1.2	0.0	1.2	1.2
26	14.6	22.0	19.0	90.7	0.0	0.0	0.0	3.9
27	15.4	22.6	19.1	93.0	14.0	38.7	52.7	1.7
28	17.4	25.0	20.4	86.7	0.0	0.0	0.0	4.7
29	15.6	24.0	19.6	87.0	0.0	0.0	0.0	6.1
30	15.2	24.0	20.0	89.7	.3	48.2	48.5	3.5
31								
Total					175.0	203.8	378.8	92.6
Promedio	16.3	23.9	19.8	88.6				

Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.4	22.8	19.2	89.0	7.0	4.0	11.0	3.6
2	16.0	22.4	19.3	90.3	0.0	18.0	18.0	.8
3	16.8	23.4	20.2	91.0	0.0	17.8	17.8	4.7
4	17.2	25.8	19.3	89.0	26.0	2.0	28.0	3.5
5	16.2	23.4	20.0	90.3	0.0	0.0	0.0	1.8
6	16.7	24.8	20.5	88.3	13.5	.3	13.8	3.5
7	16.0	23.2	19.6	90.7	1.3	.1	1.4	3.6
8	17.4	24.2	20.3	85.0	0.0	10.0	10.0	4.0
9	17.8	26.2	20.7	88.3	.5	0.0	.5	4.5
10	16.2	24.6	20.3	87.3	.8	0.0	.8	3.4
11	16.4	25.2	20.7	81.0	1.2	.2	1.4	1.6
12	17.2	25.6	19.8	91.3	12.0	63.0	75.0	2.9
13	16.8	23.6	19.8	89.0	0.0	1.4	1.4	2.0
14	17.6	24.6	20.8	87.0	0.0	32.2	32.2	4.7
15	17.8	24.2	19.8	91.7	0.0	7.0	7.0	3.4
16	17.0	23.4	20.2	87.3	0.0	13.0	13.0	2.4
17	17.7	24.0	20.6	87.7	0.0	9.5	9.5	2.1
18	16.8	23.6	20.2	91.7	0.0	11.0	11.0	1.7
19	17.0	24.2	20.2	97.0	4.7	0.0	4.7	5.2
20	16.0	25.0	19.6	93.3	1.8	.2	2.0	3.7
21	17.8	24.4	21.0	94.0	.5	0.0	.5	3.5
22	17.4	24.8	20.5	87.0	.4	0.0	.4	4.8
23	17.4	24.0	19.6	85.0	.1	0.0	.1	3.5
24	16.0	22.6	19.9	83.7	9.0	3.2	12.2	1.6
25	16.4	23.4	20.4	81.7	0.0	0.0	0.0	1.6
26	13.0	24.8	19.2	82.3	0.0	0.0	0.0	6.5
27	14.0	24.4	19.2	86.3	0.0	0.0	0.0	6.1
28	14.9	23.0	18.6	80.7	0.0	0.0	0.0	3.8
29	13.0	23.8	18.6	85.3	0.0	0.0	0.0	5.9
30	13.6	24.0	19.7	85.0	0.0	0.0	0.0	6.6
31	16.0	25.2	20.2	82.0	0.0	0.0	0.0	5.0
Total					78.8	192.9	271.7	112.0
Promedio	16.3	24.1	19.9	87.7				

Estación : CHAPETON **Dpto. :** TOLIMA **Latitud :** 4 ° 28 'N
Año : 1999 **Mpio. :** IBAGUE **Longitud :** 75 ° 16 'W
Altitud : 1300 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	15.8	23.6	19.1	26.4	14.0	85.1	315.4	26	77.3
Febrero	16.4	23.7	19.5	27.2	14.0	86.0	349.2	24	63.2
Marzo	16.3	25.0	20.5	27.6	15.0	82.0	162.2	21	135.3
Abril	16.2	24.9	20.2	27.7	14.2	81.5	299.6	25	116.0
Mayo	16.2	24.6	20.0	26.5	14.6	82.6	164.0	25	146.4
Junio	16.2	24.3	19.8	26.6	14.2	84.5	317.7	26	139.2
Julio	15.9	25.5	20.1	28.0	12.6	76.7	75.9	13	173.3
Agosto	15.9	26.9	20.7	29.6	13.6	74.0	176.3	13	155.2
Septiembre	16.2	24.7	20.1	27.8	14.2	83.1	338.6	25	101.8
Octubre	16.2	24.6	20.0	26.8	14.6	84.2	183.6	25	127.5
Noviembre	16.3	23.9	19.8	25.9	14.0	88.6	378.8	22	92.6
Diciembre	16.3	24.1	19.9	26.2	13.0	87.7	271.7	23	112.0
Promedio :	16.2	24.7	20.0			83.0			
Absoluta :				29.6	12.6				
Total :							3033.0	268	1439.8



Estación : EL HORIZONTE **Dpto. : TOLIMA** **Latitud : 4 ° 4 'N**
Año : 1999 **Mpio. : CUNDAY** **Longitud : 74 ° 36 'W**
Altitud : 1270 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.4	26.5	21.4	80.7	.2	0.0	.2	3.1
2	18.5	23.0	20.3	88.7	1.6	0.0	1.6	1.0
3	18.4	27.4	21.4	79.7	4.1	0.0	4.1	1.9
4	18.6	27.0	22.0	79.7	.4	26.1	26.5	2.2
5	18.7	25.7	21.9	84.7	0.0	8.9	8.9	2.3
6	18.9	28.0	22.7	76.0	0.0	0.0	0.0	6.4
7	18.5	27.3	21.7	77.3	0.0	6.0	6.0	3.8
8	18.3	24.7	20.8	85.7	1.0	15.3	16.3	1.3
9	18.2	22.0	20.4	89.7	1.0	0.0	1.0	0.0
10	17.5	26.5	21.2	82.3	21.2	35.2	56.4	1.8
11	18.3	22.8	19.4	95.7	44.9	0.0	44.9	.3
12	18.2	24.0	19.8	89.7	0.0	14.3	14.3	.6
13	17.7	27.9	21.1	83.0	0.0	12.6	12.6	4.9
14	17.8	25.4	20.6	85.3	0.0	0.0	0.0	2.4
15	18.1	25.0	20.7	82.0	0.0	0.0	0.0	4.5
16	17.3	26.6	21.4	74.0	0.0	1.8	1.8	3.9
17	17.5	26.9	21.0	75.3	0.0	22.0	22.0	5.6
18	17.6	25.5	21.2	76.0	0.0	0.0	0.0	1.0
19	18.2	26.6	21.6	76.3	1.3	0.0	1.3	2.2
20	18.3	26.2	21.4	83.7	0.0	0.0	0.0	2.2
21	18.5	25.7	21.2	83.3	6.9	0.0	6.9	1.1
22	18.3	26.0	21.6	79.7	0.0	0.0	0.0	2.3
23	19.0	25.9	20.8	81.7	1.1	0.0	1.1	2.3
24	19.5	21.9	20.5	86.7	1.1	0.0	1.1	.2
25	18.6	24.9	21.5	81.3	4.0	1.8	5.8	.1
26	18.4	26.4	20.6	82.3	0.0	0.0	0.0	2.1
27	18.5	26.8	22.2	78.7	0.0	0.0	0.0	3.3
28	19.5	23.5	21.0	82.0	15.7	0.0	15.7	0.0
29	18.3	27.5	22.7	74.0	0.0	0.0	0.0	3.6
30	19.3	30.4	22.1	80.0	0.0	0.0	0.0	5.5
31	19.7	28.3	22.9	78.7	0.0	0.0	0.0	2.2
Total :					104.5	144.0	248.5	74.1
Promedio :	18.4	25.9	21.3	81.7				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.7	28.5	22.7	73.0	0.0	43.8	43.8	4.0
2	18.1	27.5	20.5	91.3	3.7	0.0	3.7	.9
3	18.5	25.5	21.8	81.3	0.0	46.4	46.4	1.1
4	17.4	24.5	20.8	78.3	0.0	0.0	0.0	.3
5	18.5	28.5	21.4	81.7	.6	7.4	8.0	4.8
6	18.6	26.9	22.0	79.7	0.0	28.5	28.5	4.1
7	18.2	23.5	20.5	90.0	3.1	0.0	3.1	.8
8	18.2	28.4	21.6	82.3	0.0	0.0	0.0	5.5
9	20.0	28.5	23.2	74.0	0.0	0.0	0.0	2.4
10	17.7	23.5	19.3	84.0	17.1	0.0	17.1	0.0
11	17.2	26.6	21.0	85.0	.8	0.0	.8	4.1
12	18.7	24.8	21.4	77.3	.5	32.7	33.2	1.7
13	16.7	22.5	19.6	90.3	.6	0.0	.6	.4
14	16.5	23.5	20.3	91.3	.5	4.9	5.4	1.6
15	17.5	22.7	19.4	90.3	6.2	0.0	6.2	.2
16	17.7	25.2	20.8	76.0	0.0	33.6	33.6	.2
17	16.4	23.0	18.7	90.7	3.4	18.8	22.2	1.0
18	17.4	23.5	18.7	90.7	6.1	1.4	7.5	.7
19	17.3	26.1	21.8	80.3	.7	4.2	4.9	2.2
20	17.2	22.5	19.8	91.7	0.0	0.0	0.0	0.0
21	17.8	28.3	21.6	77.7	.4	51.5	51.9	3.1
22	17.1	25.0	20.1	83.0	.4	1.2	1.6	2.9
23	16.4	24.5	20.4	84.0	61.6	24.1	85.7	.5
24	17.3	24.7	19.2	84.3	5.4	.5	5.9	.6
25	18.2	24.6	20.7	78.7	0.0	0.0	0.0	1.1
26	17.2	28.3	21.5	80.0	.1	0.0	.1	5.4
27	18.5	24.4	21.0	81.7	16.4	0.0	16.4	.9
28	18.6	23.7	20.7	90.0	27.4	60.5	87.9	1.8
29								
30								
31								
Total :					155.0	359.5	514.5	52.3
Promedio :	17.8	25.3	20.7	83.5				

Estación : EL HORIZONTE
Año : 1999

Dpto. : TOLIMA
Mpio. : CUNDAY

Latitud : 4 ° 4 'N
Longitud : 74 ° 36 'W
Altitud : 1270 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.5	27.5	20.6	84.3	11.3	.3	11.6	2.7
2	18.2	27.3	20.3	83.0	8.9	0.0	8.9	2.1
3	17.6	26.7	21.3	76.0	0.0	.9	.9	2.6
4	17.4	26.3	20.9	81.0	0.0	0.0	0.0	4.2
5	17.2	25.7	20.6	76.7	0.0	0.0	0.0	3.4
6	17.3	29.3	22.5	76.0	0.0	0.0	0.0	6.7
7	18.4	29.0	22.8	71.3	0.0	0.0	0.0	6.4
8	18.4	29.8	22.5	74.3	0.0	28.0	28.0	6.7
9	18.1	25.9	22.0	77.0	0.0	1.5	1.5	.9
10	18.4	27.9	22.2	80.3	1.2	0.0	1.2	2.7
11	18.3	27.1	22.4	76.3	5	.5	1.0	2.5
12	18.7	28.0	21.4	81.3	0.0	0.0	0.0	1.6
13	18.4	27.8	21.8	80.0	0.0	0.0	0.0	2.6
14	18.5	30.7	23.2	70.0	.1	.2	.3	6.1
15	19.4	28.9	22.4	82.0	0.0	5.2	5.2	2.5
16	16.5	27.8	21.5	82.3	0.0	0.0	0.0	4.1
17	18.5	28.8	21.8	83.3	0.0	.5	.5	4.6
18	17.8	27.3	21.2	78.7	3.5	0.0	3.5	4.8
19	18.5	29.9	22.0	81.7	12.0	.2	12.2	3.3
20	18.7	29.1	22.3	77.0	.2	4.9	5.1	3.1
21	18.5	27.8	22.6	82.7	5.2	48.2	53.4	2.0
22	17.3	24.1	20.6	89.7	1.5	0.0	1.5	.5
23	18.1	26.8	21.2	84.7	1.0	0.0	1.0	.3
24	16.7	28.2	22.0	81.0	13.0	0.0	13.0	3.8
25	19.2	27.7	22.7	74.3	4.4	0.0	4.4	1.9
26	20.3	27.5	23.0	82.0	0.0	0.0	0.0	1.8
27	20.4	26.4	23.3	78.0	2.0	1.8	3.8	.3
28	19.5	26.2	22.6	75.3	1.4	.1	1.5	1.2
29	19.2	24.7	20.7	89.7	.5	0.0	.5	.2
30	18.4	29.0	23.0	71.0	2.0	0.0	2.0	6.5
31	19.5	28.6	22.2	82.7	0.0	0.0	0.0	1.8
Total					68.7	92.3	161.0	93.9
Promedio	18.4	27.7	21.9	79.5				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.9	29.2	22.8	75.3	.1	5.0	5.1	1.3
2	19.7	25.9	21.4	87.7	1.4	0.0	1.4	.6
3	19.0	29.5	23.4	74.7	0.0	5.0	5.0	3.4
4	18.4	28.5	20.1	91.0	19.6	13.1	32.7	2.9
5	17.5	28.5	21.5	84.7	0.0	0.0	0.0	4.3
6	17.1	27.7	21.7	82.3	41.5	17.1	58.6	4.5
7	18.5	27.2	21.6	83.0	0.0	.3	.3	1.1
8	18.3	26.2	20.8	82.0	2.0	32.7	34.7	2.6
9	16.5	24.5	19.3	90.3	7.9	5.2	13.1	.7
10	18.0	20.6	19.1	93.3	23.1	0.0	23.1	.1
11	17.5	28.3	20.6	83.3	.9	.2	1.1	2.6
12	18.6	29.6	22.0	83.0	1.2	45.9	47.1	3.8
13	17.7	27.5	21.2	82.3	0.0	0.0	0.0	3.1
14	18.5	26.5	22.2	77.3	.3	1.0	1.3	1.5
15	17.7	25.0	20.0	86.7	0.0	0.0	0.0	1.7
16	17.0	27.0	22.0	72.3	.4	0.0	.4	3.5
17	18.8	29.8	23.8	58.0	0.0	0.0	0.0	8.0
18	19.8	29.8	23.2	64.3	0.0	0.0	0.0	8.1
19	20.0	28.2	23.3	55.3	.3	0.0	.3	4.5
20	19.8	25.2	21.6	76.3	0.0	0.0	0.0	.7
21	19.2	28.2	23.0	66.7	0.0	0.0	0.0	3.7
22	19.8	30.2	24.4	60.3	0.0	.5	.5	8.1
23	20.0	25.6	21.8	77.0	.8	0.0	.8	.2
24	19.6	25.8	21.9	70.3	21.7	2.4	24.1	1.9
25	18.2	22.5	20.4	77.3	10.9	0.0	10.9	.4
26	18.4	29.8	21.8	75.0	3.1	3.5	6.6	3.2
27	16.4	23.6	19.6	90.0	2.0	0.0	2.0	.4
28	17.8	24.8	20.7	82.0	6	.3	.9	1.6
29	18.4	28.8	22.5	72.0	.3	0.0	.3	3.5
30	19.0	24.6	20.4	91.7	.9	0.0	.9	1.0
31								
Total					139.0	132.2	271.2	83.0
Promedio	18.5	27.0	21.6	78.2				

Estación : EL HORIZONTE
Año : 1999

Dpto. : TOLIMA
Mpio. : CUNDAY

Latitud : 4 ° 4 'N
Longitud : 74 ° 36 'W
Altitud : 1270 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.6	29.0	22.0	71.0	.8	0.0	.8	5.0
2	18.8	27.6	21.0	79.7	.8	.3	1.1	4.2
3	19.0	26.8	21.5	82.7	11.2	0.0	11.2	3.0
4	17.3	20.8	18.8	91.3	43.4	0.0	43.4	0.0
5	16.6	27.9	21.4	78.3	0.0	1.9	1.9	3.1
6	18.8	25.0	21.1	87.3	2.0	.7	2.7	1.2
7	18.7	24.8	20.5	77.0	2.5	1.0	3.5	.7
8	18.0	27.5	20.8	80.3	1.3	0.0	1.3	3.6
9	18.2	25.2	21.4	78.3	2.2	0.0	2.2	1.3
10	18.4	27.0	21.5	83.3	2.6	4.9	7.5	2.1
11	18.6	24.8	20.8	77.3	0.0	0.0	0.0	1.0
12	17.8	24.9	21.5	79.0	.1	.2	.3	1.6
13	18.2	21.2	19.1	94.3	4.4	.1	4.5	.1
14	17.8	28.4	22.2	70.3	0.0	0.0	0.0	7.2
15	18.8	27.0	22.4	82.3	1.7	.3	2.0	3.4
16	19.2	28.0	23.2	76.0	.6	0.0	.6	6.1
17	18.2	28.8	22.2	78.7	5.6	0.0	5.6	6.5
18	18.8	26.0	22.5	76.3	0.0	.2	.2	1.0
19	19.2	27.2	21.2	83.3	2.5	0.0	2.5	2.4
20	19.2	25.4	20.9	83.3	1.0	0.0	1.0	2.2
21	18.4	28.0	22.3	68.0	.5	0.0	.5	2.7
22	19.2	27.9	22.3	74.0	0.0	0.0	0.0	2.9
23	19.4	28.0	22.4	79.3	.6	0.0	.6	2.9
24	19.8	29.2	22.4	78.3	.5	1.1	1.6	4.7
25	19.7	29.4	22.2	72.0	.3	0.0	.3	4.9
26	19.4	26.6	23.7	75.3	0.0	0.0	0.0	2.9
27	20.4	29.0	23.8	73.0	0.0	.7	.7	3.2
28	19.8	26.8	22.4	84.7	.2	1.5	1.7	1.1
29	18.0	26.0	21.8	70.7	1.9	.1	2.0	1.6
30	19.2	28.8	23.0	65.7	0.0	1.5	1.5	4.0
31	19.0	26.8	22.5	73.3	5.3	4.1	9.4	3.0
Total					92.0	18.6	110.6	89.6
Promedio	18.7	26.8	21.8	78.2				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.8	29.9	24.1	68.7	.5	2.4	2.9	7.2
2	18.9	28.0	21.9	82.7	0.0	0.0	0.0	3.3
3	19.8	26.6	23.1	64.7	0.0	.3	.3	1.5
4	19.6	25.0	21.0	80.3	.3	19.6	19.9	.8
5	18.0	24.0	20.5	82.0	6.9	.8	7.7	.8
6	18.8	28.2	22.8	70.0	0.0	0.0	0.0	1.9
7	19.0	27.4	22.6	75.0	.3	.4	.7	4.6
8	17.2	26.5	21.7	82.0	3.5	5.2	8.7	.9
9	18.7	24.8	21.8	74.3	2.7	0.0	2.7	7.0
10	18.8	29.3	22.7	76.7	.2	6.6	6.8	4.2
11	18.2	28.0	23.1	73.3	0.0	.6	.6	1.1
12	19.8	25.0	21.0	76.7	2.0	0.0	2.0	1.0
13	18.7	22.8	20.0	84.3	33.7	0.0	33.7	2.2
14	18.6	27.0	22.4	71.3	4.9	4.7	9.6	.5
15	19.0	25.8	21.7	81.7	0.0	0.0	0.0	2.2
16	18.6	24.0	20.9	84.0	19.7	0.0	19.7	4.3
17	18.4	28.4	22.5	81.3	0.0	2.8	2.8	2.0
18	18.2	25.6	20.1	89.0	10.1	0.0	10.1	3.3
19	18.0	26.9	21.3	84.3	.9	.2	1.1	2.2
20	19.0	26.8	22.0	83.0	6.6	.4	7.0	.3
21	19.8	25.4	21.0	80.3	2.0	0.0	2.0	2.8
22	18.6	26.4	21.5	82.0	3.8	0.0	3.8	.5
23	18.4	24.4	20.6	85.0	1.0	0.0	1.0	2.4
24	17.6	26.8	21.7	71.3	0.0	.1	.1	1.1
25	18.8	26.6	22.3	78.3	.6	31.1	31.7	1.4
26	17.0	24.4	20.2	86.0	.4	0.0	.4	1.5
27	17.9	24.9	21.2	80.0	0.0	12.1	12.1	.8
28	18.0	25.6	20.8	85.7	6.0	.5	6.5	1.6
29	18.2	26.4	21.2	85.7	.2	0.0	.2	1.9
30	18.8	27.8	22.6	73.3	.8	.5	1.3	5.0
31								
Total					107.1	88.3	195.4	70.3
Promedio	18.6	26.3	21.7	79.1				

Estación : EL HORIZONTE
Año : 1999

Dpto. : TOLIMA
Mpio. : CUNDAY

Latitud : 4 ° 4 'N
Longitud : 74 ° 36 'W
Altitud : 1270 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	24.4	20.3	87.3	.5	.2	.7	.7
2	18.2	26.8	21.3	84.0	2.2	0.0	2.2	2.1
3	18.8	25.8	22.0	79.3	0.0	1.2	1.2	0.0
4	17.2	26.2	20.6	81.3	0.0	0.0	0.0	4.0
5	17.4	26.8	21.6	81.0	10.9	0.0	10.9	2.6
6	18.8	27.0	21.3	74.7	0.0	0.0	0.0	3.8
7	18.2	25.4	20.1	75.0	4.3	0.0	4.3	1.2
8	17.8	24.2	20.6	72.7	1.9	0.0	1.9	.9
9	17.2	25.6	21.2	68.3	0.0	0.0	0.0	4.1
10	17.0	27.6	22.2	69.0	0.0	0.0	0.0	8.0
11	19.4	27.2	22.8	72.7	0.0	0.0	0.0	2.1
12	18.2	28.4	23.7	66.3	0.0	0.0	0.0	8.3
13	18.6	27.8	22.4	68.0	0.0	0.0	0.0	3.5
14	18.8	28.8	23.2	66.3	0.0	0.0	0.0	6.6
15	19.4	29.8	24.2	63.0	0.0	0.0	0.0	9.4
16	19.2	28.8	22.5	63.7	0.0	0.0	0.0	6.3
17	18.8	29.0	23.4	70.0	0.0	0.0	0.0	5.8
18	19.9	29.4	22.6	77.0	.8	0.0	.8	5.8
19	20.0	30.0	24.2	69.3	.1	0.0	.1	7.1
20	19.8	27.0	21.1	80.0	4.0	0.0	4.0	1.3
21	19.0	29.5	23.4	69.0	0.0	0.0	0.0	6.4
22	19.8	25.9	21.5	82.7	1.2	0.0	1.2	1.7
23	18.8	25.4	21.4	77.7	.3	0.0	.3	.3
24	18.8	29.8	23.4	69.7	0.0	0.0	0.0	5.0
25	18.9	28.2	23.5	70.3	0.0	0.0	0.0	4.6
26	19.6	29.8	23.0	70.7	0.0	0.0	0.0	5.6
27	19.8	27.2	22.6	74.3	0.0	0.0	0.0	2.4
28	19.0	28.0	23.0	70.7	0.0	0.0	0.0	7.4
29	19.8	26.2	21.7	76.0	0.0	0.0	0.0	1.5
30	18.7	29.9	23.1	69.0	.2	.1	.3	6.6
31	19.0	26.0	20.6	79.7	8.0	2.6	10.6	1.4
Total					34.4	4.1	38.5	126.5
Promedio :	18.8	27.5	22.2	73.5				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	24.9	21.2	69.0	.2	0.0	.2	1.7
2	18.8	27.3	22.0	51.0	0.0	0.0	0.0	3.1
3	19.3	28.3	22.8	51.0	0.0	0.0	0.0	2.9
4	17.8	26.8	22.4	55.3	0.0	0.0	0.0	2.4
5	17.6	28.4	22.0	66.3	.2	0.0	.2	3.4
6	18.9	30.0	23.1	64.7	0.0	0.0	0.0	6.1
7	19.8	28.3	21.6	77.3	3.9	.1	4.0	2.3
8	18.2	27.2	22.7	66.0	2.4	0.0	2.4	2.6
9	18.7	23.0	20.2	78.7	1.9	0.0	1.9	.6
10	18.8	31.0	23.4	51.7	0.0	0.0	0.0	4.4
11	19.4	29.3	23.4	49.7	0.0	0.0	0.0	5.4
12	18.0	27.0	22.4	62.7	0.0	1.2	1.2	1.6
13	18.7	27.8	22.8	59.7	0.0	0.0	0.0	3.1
14	18.2	29.1	21.2	67.0	3.4	0.0	3.4	2.7
15	18.0	28.2	21.4	71.3	1.2	.3	1.5	4.4
16	18.1	27.0	22.4	60.0	0.0	0.0	0.0	4.2
17	19.0	30.0	24.2	50.3	0.0	0.0	0.0	8.3
18	19.8	31.5	24.8	42.0	0.0	0.0	0.0	8.2
19	19.4	31.2	25.4	41.7	0.0	0.0	0.0	8.3
20	19.0	27.0	23.6	57.0	0.0	0.0	0.0	3.2
21	19.8	29.0	24.3	52.3	.5	0.0	.5	3.6
22	18.8	25.1	21.3	81.3	3.0	0.0	3.0	.6
23	18.0	27.6	23.6	55.7	.7	21.9	22.6	4.9
24	18.2	27.0	21.3	74.0	.5	.9	1.4	2.9
25	19.0	27.8	22.0	69.0	.7	3.9	4.6	1.4
26	17.2	28.5	22.1	72.7	.2	1.2	1.4	3.6
27	19.0	28.3	22.8	72.7	.2	0.0	.2	2.2
28	18.8	27.4	22.7	58.3	2.8	0.0	2.8	3.5
29	19.0	30.5	24.2	57.7	0.0	0.0	0.0	4.8
30	20.0	30.7	23.4	54.0	1.1	0.0	1.1	5.7
31	18.7	30.3	24.5	44.3	0.0	0.0	0.0	5.5
Total					22.9	29.5	52.4	117.6
Promedio :	18.7	28.2	22.7	60.8				

Estación : EL HORIZONTE
Año : 1999

Dpto. : TOLIMA
Mpio. : CUNDAY

Latitud : 4 ° 4 'N
Longitud : 74 ° 36 'W
Altitud : 1270 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	20.0	26.8	22.0	71.7	.8	0.0	.8	.8
2	18.8	29.0	22.7	67.0	0.0	0.0	0.0	2.4
3	19.8	26.0	22.5	61.0	1.0	0.0	1.0	1.8
4	19.4	27.8	22.6	64.7	.7	0.0	.7	1.6
5	18.8	26.0	21.3	74.0	.5	0.0	.5	.7
6	18.0	29.0	23.2	51.7	0.0	0.0	0.0	3.2
7	19.2	30.5	24.6	56.7	0.0	0.0	0.0	5.1
8	20.0	27.0	22.7	69.3	0.0	0.0	0.0	1.4
9	18.8	28.2	22.4	73.7	.5	0.0	.5	1.9
10	17.5	26.2	20.9	87.3	29.2	3.8	33.0	1.9
11	17.8	26.8	21.9	75.0	.4	1.1	1.5	1.5
12	18.8	25.8	20.5	88.3	3.2	5.6	8.8	1.6
13	18.0	28.5	21.5	84.0	.4	10.1	10.5	1.6
14	16.4	28.0	20.6	79.0	8.3	0.0	8.3	2.7
15	18.0	27.4	21.7	76.7	0.0	.2	.2	2.4
16	18.8	28.8	22.6	70.7	0.0	2.2	2.2	3.3
17	18.0	24.8	20.0	85.7	5.0	0.0	5.0	.8
18	18.2	28.4	22.4	57.7	0.0	0.0	0.0	.4
19	18.5	25.8	21.7	71.0	0.0	0.0	0.0	2.9
20	18.8	31.0	24.9	54.3	0.0	0.0	0.0	6.3
21	19.6	28.6	22.8	66.7	0.0	0.0	0.0	.9
22	19.6	27.8	22.4	68.0	0.0	3.3	3.3	1.3
23	18.4	25.0	20.5	78.3	1.5	0.0	1.5	1.5
24	17.6	26.4	21.2	77.3	1.2	.4	1.6	1.7
25	17.8	27.3	22.0	76.3	.8	4.8	5.6	3.2
26	17.2	27.6	20.9	78.0	45.1	5.5	50.6	2.5
27	17.8	20.0	18.4	92.0	14.3	.6	14.9	0.0
28	17.4	23.5	20.0	88.3	2.2	2.9	5.1	.1
29	17.3	25.0	20.6	82.3	0.0	0.0	0.0	.8
30	18.2	27.8	20.9	87.0	.6	0.0	.6	2.4
31								
Total :					115.7	40.5	156.2	58.7
Promedio :	18.4	27.0	21.7	73.8				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.4	27.0	21.6	78.7	0.0	.4	.4	3.8
2	17.9	26.0	19.2	92.7	4.0	1.8	5.8	2.9
3	17.8	29.2	22.2	76.3	0.0	2.4	2.4	5.7
4	18.3	29.0	21.8	68.7	.1	8.7	8.8	4.4
5	18.0	28.1	21.0	76.0	1.4	1.3	2.7	4.7
6	17.9	28.0	21.0	77.0	1.2	14.4	15.6	1.0
7	15.8	26.5	21.3	69.7	0.0	1.2	1.2	5.4
8	16.4	27.2	21.5	74.3	11.9	0.0	11.9	5.1
9	18.8	26.5	21.6	72.3	1.7	0.0	1.7	1.0
10	18.2	28.7	21.6	72.3	.6	0.0	.6	5.5
11	18.0	26.2	20.8	83.3	5.8	0.0	5.8	2.0
12	18.2	24.3	20.3	81.7	9.8	0.0	9.8	2.0
13	18.0	27.5	22.0	70.3	2.8	0.0	2.8	4.7
14	18.6	27.0	21.8	66.7	0.0	0.0	0.0	3.3
15	19.4	29.0	22.6	67.3	0.0	0.0	0.0	3.7
16	19.6	27.2	21.4	81.7	0.0	.1	.1	2.3
17	17.5	24.0	20.4	82.3	2.7	0.0	2.7	1.3
18	17.3	26.8	21.5	82.0	.9	16.9	17.8	1.7
19	17.7	27.9	21.6	75.7	0.0	.6	.6	2.5
20	18.7	26.0	22.2	72.0	0.0	0.0	0.0	2.7
21	18.6	28.2	22.2	84.7	2.6	21.7	24.3	3.6
22	18.0	26.0	21.0	85.0	.1	1.1	1.2	3.1
23	16.8	25.5	19.9	88.0	3.1	0.0	3.1	1.2
24	18.6	27.5	20.5	85.0	3.9	0.0	3.9	2.6
25	18.0	25.4	20.6	83.3	2.9	0.0	2.9	1.1
26	18.2	26.8	21.5	86.0	1.9	5.5	7.4	3.2
27	18.6	28.6	21.5	78.7	0.0	0.0	0.0	4.2
28	18.2	23.0	20.0	91.0	9.3	3.6	12.9	.3
29	17.7	28.2	21.6	76.0	1.6	3.6	5.2	4.4
30	17.5	21.3	18.6	86.0	6.8	0.0	6.8	.1
31	17.0	28.0	21.0	76.3	0.0	0.0	0.0	5.9
Total :					75.1	83.3	158.4	95.4
Promedio :	18.0	26.8	21.2	78.7				

Estación : EL HORIZONTE
Año : 1999

Dpto. : TOLIMA
Mpio. : CUNDAY

Latitud : 4 ° 4 'N
Longitud : 74 ° 36 'W
Altitud : 1270 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.0	28.7	22.3	75.7	0.0	1.2	1.2	4.1
2	18.9	28.6	22.8	78.7	0.0	24.2	24.2	3.8
3	19.0	26.3	21.1	87.7	4.1	0.0	4.1	1.2
4	19.2	26.8	22.1	81.7	0.0	21.0	21.0	1.7
5	18.8	27.0	21.8	82.0	5.0	0.0	5.0	2.3
6	19.0	28.1	22.5	75.0	0.0	0.0	0.0	4.4
7	19.1	26.0	21.5	82.7	.6	41.8	42.4	2.3
8	18.2	24.0	20.4	92.7	9.6	0.0	9.6	.6
9	18.7	28.0	22.5	76.3	0.0	0.0	0.0	2.5
10	19.1	27.0	22.5	83.0	2.0	48.0	50.0	3.5
11	18.8	26.1	21.2	87.3	0.0	1.6	1.6	1.2
12	19.5	28.7	21.5	86.3	8.3	0.0	8.3	1.9
13	19.0	28.2	21.5	84.7	0.0	.8	.8	2.4
14	18.6	28.4	22.5	79.3	0.0	3.5	3.5	4.6
15	18.0	27.0	21.2	83.7	15.0	0.0	15.0	2.6
16	18.8	28.6	22.4	77.3	0.0	34.1	34.1	5.6
17	18.2	25.5	21.6	80.0	0.0	20.6	20.6	3.1
18	17.8	21.2	19.1	88.0	11.8	7.0	18.8	0.0
19	17.2	23.0	20.2	86.7	0.0	5.5	5.5	.3
20	18.7	26.0	21.2	85.0	0.0	16.0	16.0	2.5
21	18.0	23.5	20.2	85.7	0.0	0.0	0.0	.3
22	18.2	24.0	19.8	87.7	25.8	3.8	29.6	.1
23	18.0	26.4	21.8	80.0	0.0	6.3	6.3	1.5
24	17.8	28.3	21.6	77.0	0.0	17.0	17.0	3.3
25	18.0	25.5	20.4	83.7	0.0	2.6	2.6	2.6
26	18.2	27.2	21.2	82.3	0.0	57.8	57.8	3.6
27	17.9	24.2	20.4	86.3	5.4	0.0	5.4	.7
28	18.1	26.0	21.4	79.0	0.0	0.0	0.0	1.7
29	18.0	26.9	22.1	74.0	0.0	0.0	0.0	2.5
30	18.2	27.0	21.4	84.3	0.0	16.3	16.3	2.3
31								
Total :					87.6	329.1	416.7	69.2
Promedio :	18.5	26.4	21.4	82.5				

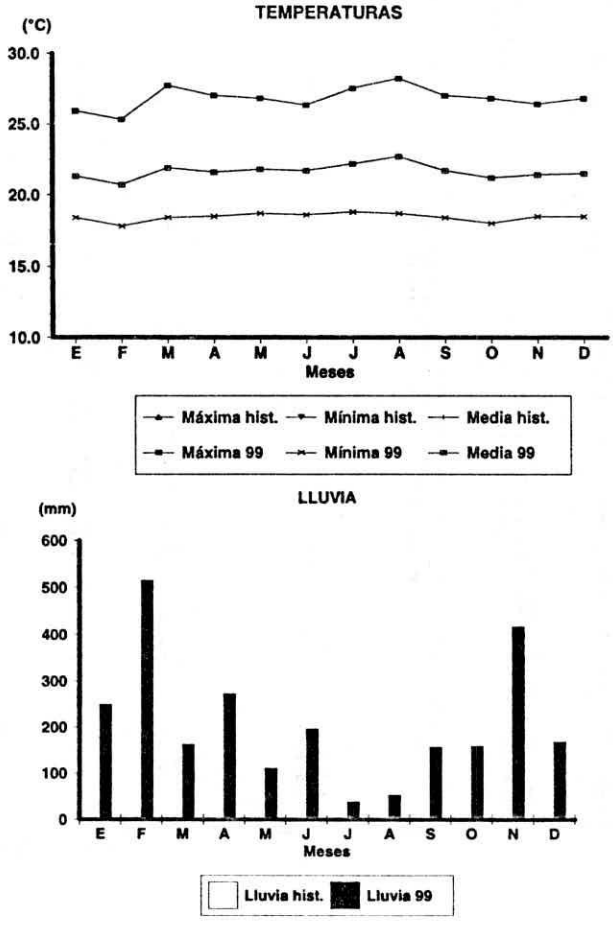
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.6	25.8	20.4	76.3	0.0	.5	.5	2.0
2	18.3	25.9	20.0	91.0	9.0	9.3	18.3	1.4
3	18.1	26.2	20.9	83.7	0.0	0.0	0.0	1.0
4	18.6	28.0	22.0	76.7	0.0	0.0	0.0	4.8
5	18.0	26.2	20.9	81.7	0.0	.2	.2	1.0
6	18.8	27.2	21.8	78.0	19.9	16.2	36.1	1.7
7	18.2	27.7	21.4	81.3	0.0	0.0	0.0	1.7
8	19.0	26.7	22.3	79.3	.1	2.3	2.4	2.1
9	19.1	28.0	22.4	81.7	.8	0.0	.8	3.6
10	19.2	28.1	21.8	77.3	0.0	0.0	0.0	2.6
11	19.0	23.8	20.6	87.3	8.6	0.0	8.6	.1
12	18.0	26.0	21.0	87.7	11.0	27.3	38.3	2.3
13	18.1	25.2	20.8	86.0	0.0	.2	.2	.9
14	19.2	28.5	21.8	85.3	3.5	1.0	4.5	1.7
15	19.2	25.2	21.0	87.3	0.0	30.0	30.0	1.6
16	18.2	25.0	21.0	80.7	0.0	1.0	1.0	.3
17	18.6	25.3	21.4	78.7	0.0	0.0	0.0	.5
18	18.8	25.0	20.8	88.3	0.0	0.0	0.0	.7
19	18.5	25.9	21.0	77.7	0.0	0.0	0.0	1.8
20	18.6	25.2	21.6	83.7	.9	.2	1.1	3.5
21	19.2	28.6	23.2	81.0	.9	0.0	.9	4.5
22	19.8	29.2	22.8	80.3	0.0	0.0	0.0	4.4
23	18.6	29.0	22.2	74.0	0.0	0.0	0.0	8.5
24	18.6	26.8	21.8	74.3	0.0	23.2	23.2	2.2
25	17.2	27.0	21.0	84.0	0.0	0.0	0.0	3.1
26	18.6	26.8	21.9	77.7	0.0	0.0	0.0	3.4
27	18.0	27.9	21.4	81.3	0.0	.9	.9	3.9
28	18.6	27.8	21.6	72.7	0.0	0.0	0.0	5.8
29	17.6	27.4	21.1	77.0	.5	0.0	.5	2.7
30	17.9	27.9	21.9	73.0	0.0	0.0	0.0	3.6
31	18.4	28.4	22.4	70.0	0.0	.1	.1	4.5
Total :					55.2	112.4	167.6	81.9
Promedio :	18.5	26.8	21.5	80.5				

Estación : EL HORIZONTE
Año : 1999

Dpto. : TOLIMA
Mpio. : CUNDAY

Latitud : 4 ° 4 'N
Longitud : 74 ° 36 'W
Altitud : 1270 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	18.4	25.9	21.3	30.4	17.3	81.7	248.5	20	74.1
Febrero	17.8	25.3	20.7	28.5	16.4	83.5	514.5	23	52.3
Marzo	18.4	27.7	21.9	30.7	16.5	79.5	161.0	22	93.9
Abril	18.5	27.0	21.6	30.2	16.4	78.2	271.2	23	83.0
Mayo	18.7	26.8	21.8	29.4	16.6	78.2	110.6	27	89.6
Junio	18.6	26.3	21.7	29.9	17.0	79.1	195.4	27	70.3
Julio	18.8	27.5	22.2	30.0	17.0	73.5	38.5	13	126.5
Agosto	18.7	28.2	22.7	31.5	17.2	60.8	52.4	17	117.6
Septiembre	18.4	27.0	21.7	31.0	16.4	73.8	156.2	21	58.7
Octubre	18.0	26.8	21.2	29.2	15.8	78.7	158.4	26	95.4
Noviembre	18.5	26.4	21.4	28.7	17.2	82.5	416.7	25	69.2
Diciembre	18.5	26.8	21.5	29.2	17.2	80.5	167.6	18	81.9
Promedio :	18.4	26.8	21.6			77.5			
Absoluta :				31.5	15.8				
Total :							2491.0	262	1012.5



Estación : LOS ANDES
Año : 1999

Dpto. : TOLIMA
Mpio. : PLANADAS

Latitud : 3 ° 11 'N
Longitud : 75 ° 37 'W
Altitud : 1400 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	26.5	19.9	83.0	1.3	.5	1.8	3.4
2	15.7	24.0	18.2	93.0	7.9	.5	8.4	1.2
3	15.2	25.9	19.0	92.0	6.0	27.0	33.0	2.0
4	17.0	26.1	20.0	81.7	29.0	5.0	34.0	2.6
5	17.2	24.3	19.8	84.7	1.6	3.3	4.9	.7
6	16.2	25.4	19.8	85.7	5.1	8.8	13.9	3.6
7	16.0	25.2	19.2	84.3	0.0	0.0	0.0	2.3
8	16.8	22.0	17.9	92.0	18.0	0.0	18.0	.1
9	16.5	25.0	18.9	87.7	18.0	8.0	26.0	2.1
10	16.7	24.8	18.6	94.7	0.0	39.0	39.0	2.3
11	15.5	22.2	18.0	90.3	9.5	9.0	18.5	.5
12	16.2	22.8	18.6	87.3	17.0	3.0	20.0	.2
13	16.0	23.1	19.2	86.3	.3	0.0	.3	.1
14	15.9	23.0	18.9	89.0	0.0	0.0	0.0	3.3
15	15.2	23.2	18.8	88.0	0.0	0.0	0.0	2.3
16	14.9	22.2	18.1	91.0	0.0	0.0	0.0	2.5
17	15.4	24.3	19.0	83.0	0.0	53.0	53.0	2.3
18	15.2	24.5	19.3	87.3	0.0	18.3	18.3	3.0
19	16.0	25.0	19.5	84.0	1.6	5.7	7.3	2.5
20	16.1	23.0	18.5	92.7	0.0	0.0	0.0	1.0
21	16.8	23.3	18.5	89.0	.3	0.0	.3	1.2
22	16.7	22.9	19.0	83.3	.1	.4	.5	1.8
23	16.0	24.6	20.3	83.7	0.0	0.0	0.0	.9
24	17.1	22.0	19.2	91.0	6.7	0.0	6.7	0.0
25	16.0	23.9	19.2	91.3	3.5	2.3	5.8	1.3
26	16.2	24.0	19.6	86.7	.5	38.5	39.0	.2
27	16.0	24.1	19.5	90.0	.4	0.0	.4	.9
28	16.8	22.5	18.9	91.0	2.6	0.0	2.6	.5
29	16.0	25.8	20.3	83.7	0.0	0.0	0.0	2.8
30	16.1	26.0	21.4	76.0	0.0	0.0	0.0	6.2
31	16.4	26.4	20.4	83.3	0.0	0.0	0.0	2.5
Total :					129.4	222.3	351.7	56.3
Promedio :	16.1	24.1	19.2	87.3				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.3	26.2	20.7	83.3	.3	.4	.7	2.2
2	16.0	27.0	20.2	86.3	.1	2.6	2.7	3.5
3	16.8	23.8	19.8	91.3	1.9	34.3	36.2	.5
4	15.8	24.8	19.6	81.7	16.0	1.8	17.8	2.3
5	16.6	24.6	20.2	83.0	0.0	29.0	29.0	1.6
6	16.2	25.0	19.1	86.3	12.0	13.0	25.0	.7
7	16.0	24.4	19.5	91.7	1.5	0.0	1.5	.9
8	16.6	25.6	20.6	82.0	0.0	0.0	0.0	5.7
9	17.2	27.4	21.4	77.3	0.0	.4	.4	4.3
10	17.0	21.0	19.0	92.0	4.0	0.0	4.0	0.0
11	15.2	26.0	20.2	79.7	0.0	0.0	0.0	2.2
12	17.6	27.4	20.0	79.7	1.6	0.0	1.6	3.8
13	16.0	21.6	17.9	86.3	4.0	0.0	4.0	.1
14	15.4	23.4	19.2	83.7	0.0	2.1	2.1	.1
15	16.5	21.0	18.0	94.3	16.5	0.0	16.5	.2
16	16.0	25.4	19.0	82.3	18.0	16.0	34.0	2.9
17	15.2	24.2	18.8	87.7	2.6	16.6	19.2	3.0
18	16.2	21.8	17.9	90.7	1.8	0.0	1.8	0.0
19	15.4	23.6	19.7	84.7	.5	48.5	49.0	2.6
20	15.2	22.6	18.2	89.7	3.2	0.0	3.2	.7
21	16.0	25.0	20.0	85.0	0.0	47.0	47.0	3.6
22	15.2	22.2	18.2	91.0	5.9	0.0	5.9	.4
23	16.0	24.6	19.2	89.7	1.5	40.5	42.0	2.1
24	15.6	24.8	19.7	87.3	1.4	33.2	34.6	3.1
25	16.2	24.6	18.7	88.3	5.6	0.0	5.6	3.4
26	15.0	25.4	20.6	83.7	0.0	15.1	15.1	6.7
27	16.2	26.4	20.0	86.7	5.3	1.3	6.6	3.3
28	16.0	25.1	20.0	83.0	13.5	10.5	24.0	3.9
29								
30								
31								
Total :					117.2	312.3	429.5	63.8
Promedio :	16.1	24.5	19.5	86.0				

Estación : LOS ANDES
Año : 1999

Dpto. : TOLIMA
Mpio. : PLANADAS

Latitud : 3 ° 11 'N
Longitud : 75 ° 37 'W
Altitud : 1400 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.2	24.2	18.8	89.0	40.0	0.0	40.0	1.4
2	16.4	23.4	18.7	88.3	6.0	2.5	8.5	1.0
3	16.0	25.6	20.0	82.7	0.0	26.0	26.0	4.3
4	14.7	25.0	20.0	78.0	0.0	1.3	1.3	3.9
5	16.0	25.2	19.6	81.7	0.0	0.0	0.0	3.3
6	16.2	27.4	21.2	77.3	0.0	23.7	23.7	8.3
7	15.6	26.5	21.0	79.3	0.0	.8	.8	5.2
8	16.9	26.8	21.8	70.7	0.0	40.4	40.4	5.6
9	16.0	24.6	19.8	82.0	9.5	2.5	12.0	.8
10	15.9	25.0	20.2	82.0	1.3	0.0	1.3	1.9
11	15.6	26.5	20.6	80.3	0.0	.2	.2	4.2
12	16.5	25.4	20.5	81.3	0.0	0.0	0.0	1.6
13	15.4	24.5	18.6	75.3	0.0	.8	.8	.7
14	15.2	27.7	20.4	69.7	9.0	0.0	9.0	5.2
15	16.0	23.0	19.0	80.3	.5	32.5	33.0	1.6
16	15.1	23.3	17.8	87.0	4.3	2.5	6.8	1.4
17	14.8	26.8	20.2	76.0	0.0	19.5	19.5	6.0
18	15.8	25.7	19.3	83.0	.7	8.3	9.0	3.1
19	16.0	24.9	20.2	82.3	3.9	38.0	41.9	1.4
20	16.1	23.0	18.7	90.3	7.5	7.5	15.0	.5
21	16.0	23.1	18.4	88.3	3.1	5.6	8.7	1.2
22	16.8	22.8	18.4	84.3	7.6	0.0	7.6	0.0
23	16.0	24.2	19.4	81.7	0.0	.1	.1	2.5
24	15.9	25.2	20.2	80.3	0.0	1.0	1.0	1.4
25	16.2	25.4	20.3	78.0	2.4	0.0	2.4	1.6
26	16.3	25.0	20.8	75.0	0.0	0.0	0.0	1.6
27	16.8	24.9	20.4	76.7	0.0	0.0	0.0	.8
28	17.5	27.2	20.6	77.0	0.0	22.0	22.0	5.1
29	16.0	25.4	19.2	85.7	17.9	1.0	18.9	4.2
30	17.0	27.0	20.8	78.3	.2	11.2	11.4	5.8
31	16.2	25.6	19.8	83.3	.1	0.0	.1	3.7
Total :					114.0	247.4	361.4	89.3
Promedio :	16.1	25.2	19.8	80.8				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	24.0	19.8	82.3	4.3	0.0	4.3	1.2
2	16.5	23.6	19.2	85.0	5.4	0.0	5.4	1.2
3	16.8	24.0	19.8	81.7	4.9	0.0	4.9	1.6
4	16.0	25.0	19.6	83.7	12.1	28.5	40.6	.4
5	15.0	24.3	19.8	82.7	0.0	2.4	2.4	3.0
6	16.5	25.4	19.6	85.3	.7	2.0	2.7	3.5
7	17.0	24.0	19.2	85.0	6.8	1.9	8.7	1.1
8	15.8	24.2	19.0	84.0	27.4	20.7	48.1	.1
9	16.0	21.0	17.2	90.7	25.8	15.2	41.0	0.0
10	15.8	21.3	17.7	87.7	4.9	1.5	6.4	.2
11	15.4	25.2	19.9	79.7	0.0	0.0	0.0	4.8
12	15.8	25.0	19.8	82.0	0.0	0.0	0.0	2.5
13	17.5	26.6	20.8	78.7	0.0	0.0	0.0	2.7
14	16.8	25.0	20.0	80.0	3.4	0.0	3.4	4.4
15	17.8	26.2	20.1	77.3	.5	0.0	.5	.7
16	17.0	27.0	21.4	55.7	0.0	0.0	0.0	3.0
17	17.4	28.0	21.8	52.0	0.0	0.0	0.0	6.3
18	17.0	27.3	21.2	67.0	0.0	0.0	0.0	4.2
19	18.4	27.0	21.8	74.0	0.0	0.0	0.0	2.9
20	17.2	24.7	20.8	77.3	0.0	0.0	0.0	.3
21	18.5	26.9	22.0	72.0	0.0	0.0	0.0	3.6
22	17.8	27.8	22.6	74.7	0.0	0.0	0.0	6.0
23	18.9	26.3	22.2	74.0	0.0	2.0	2.0	.9
24	17.6	25.9	21.4	78.3	0.0	2.0	2.0	2.7
25	18.0	23.0	19.7	88.3	5.0	12.0	17.0	0.0
26	17.8	23.7	19.5	90.3	5.0	6.0	11.0	.7
27	16.8	24.0	18.6	92.7	9.0	0.0	9.0	1.2
28	16.5	23.5	19.3	86.3	.3	0.0	.3	1.3
29	17.2	28.0	21.4	77.7	2.3	0.0	2.3	4.5
30	18.0	22.6	19.8	93.0	0.0	0.0	0.0	3.4
31								
Total :					117.8	94.2	212.0	68.4
Promedio :	17.0	25.0	20.2	80.0				

Estación : LOS ANDES
Año : 1999

Dpto. : TOLIMA
Mpio. : PLANADAS

Latitud : 3 ° 11 'N
Longitud : 75 ° 37 'W
Altitud : 1400 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.7	25.6	20.6	82.3	0.0	0.0	0.0	2.7
2	16.9	26.9	20.8	79.0	7.1	31.8	38.9	4.6
3	16.8	26.6	21.5	84.0	4.1	.3	4.4	4.4
4	16.5	21.0	18.1	89.0	3.3	0.0	3.3	.1
5	15.0	28.5	20.0	80.7	1.5	34.5	36.0	8.5
6	16.5	25.9	20.0	85.7	.1	0.0	.1	2.8
7	17.5	26.0	19.9	83.0	2.4	11.1	13.5	5.5
8	16.4	24.3	20.0	86.0	.6	0.0	.6	4.4
9	17.4	24.9	20.2	87.0	0.0	0.0	0.0	1.3
10	16.2	26.8	20.8	83.7	0.0	5.9	5.9	4.8
11	17.0	24.0	19.4	87.0	10.8	.4	11.2	.4
12	16.8	26.0	21.1	81.7	2.3	10.5	12.8	2.4
13	17.2	20.4	18.0	93.3	10.8	0.0	10.8	.1
14	15.9	26.4	20.0	81.7	1.9	0.0	1.9	4.1
15	17.0	25.8	20.9	77.0	0.0	.2	.2	2.3
16	16.9	28.2	22.5	67.0	0.0	0.0	0.0	7.0
17	17.5	28.2	21.6	77.0	0.0	0.0	0.0	7.2
18	17.0	25.2	20.1	89.7	1.8	0.0	1.8	1.6
19	18.4	26.6	21.3	79.0	.1	1.2	1.3	2.2
20	17.3	23.8	19.6	85.3	.2	0.0	.2	.4
21	17.8	26.4	21.2	81.0	0.0	0.0	0.0	5.1
22	18.0	27.6	22.2	75.0	0.0	0.0	0.0	4.2
23	18.8	26.6	21.2	80.3	0.0	0.0	0.0	4.5
24	16.9	28.5	22.9	67.7	0.0	0.0	0.0	5.6
25	17.7	28.4	22.7	76.0	0.0	9.3	9.3	5.2
26	16.7	28.6	22.4	78.7	0.0	0.0	0.0	8.0
27	19.6	27.2	22.3	73.0	0.0	0.0	0.0	2.7
28	18.2	27.8	22.9	69.0	0.0	6.4	6.4	1.4
29	17.0	26.8	21.4	77.3	0.0	0.0	0.0	3.7
30	18.5	25.8	20.8	79.7	0.0	.1	.1	2.1
31	18.0	28.4	22.9	75.3	0.0	0.0	0.0	6.1
Total :					47.0	111.7	158.7	115.4
Promedio :	17.2	26.2	20.9	80.4				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.0	29.2	22.4	74.3	0.0	6.9	6.9	8.0
2	17.6	27.1	21.4	78.3	1.4	0.0	1.4	3.1
3	17.7	27.5	22.4	70.0	0.0	.1	.1	2.1
4	18.5	25.0	21.2	86.3	.9	.5	1.4	.2
5	17.9	24.7	19.7	85.3	0.0	0.0	0.0	3.0
6	17.2	27.6	21.3	68.7	0.0	0.0	0.0	2.3
7	17.6	26.5	21.2	83.3	0.0	17.2	17.2	3.6
8	17.8	27.2	20.8	86.0	1.2	0.0	1.2	2.5
9	17.6	25.2	20.7	87.3	1.1	1.4	2.5	4.8
10	16.8	28.5	22.6	77.0	0.0	0.0	0.0	6.1
11	18.2	27.3	22.0	77.3	.5	0.0	.5	6.4
12	18.5	26.3	22.2	84.3	1.0	1.8	2.8	3.8
13	17.6	24.2	20.0	90.3	.7	0.0	.7	.9
14	17.0	26.4	20.6	79.3	0.0	2.7	2.7	2.6
15	17.0	25.5	19.8	92.7	10.0	0.0	10.0	1.5
16	17.5	26.4	20.0	83.3	33.8	6.4	40.2	2.7
17	16.5	27.7	21.2	82.3	0.0	1.7	1.7	6.6
18	17.0	24.8	20.0	92.7	2.6	0.0	2.6	1.9
19	17.4	26.2	20.0	83.7	.9	1.4	2.3	2.9
20	17.8	27.3	20.6	80.3	0.0	0.0	0.0	4.9
21	18.5	23.0	20.4	80.7	0.0	0.0	0.0	2.0
22	17.7	26.4	21.2	77.0	0.0	.2	.2	3.6
23	16.6	22.5	18.6	90.7	1.5	0.0	1.5	.6
24	15.3	27.3	20.5	75.7	0.0	.5	.5	3.9
25	17.3	27.7	19.8	81.7	1.4	2.8	4.2	4.3
26	16.7	26.3	20.0	84.3	1.3	.5	1.8	4.8
27	17.0	25.6	20.4	85.7	.5	0.0	.5	2.5
28	17.7	24.5	20.0	83.7	.4	0.0	.4	2.0
29	15.5	26.7	20.6	78.0	0.0	0.0	0.0	5.5
30	16.6	28.2	22.2	65.7	0.0	5.0	5.0	8.9
31								
Total :					59.2	49.1	108.3	108.0
Promedio :	17.4	26.3	20.8	81.5				

Estación : LOS ANDES
Año : 1999

Dpto. : TOLIMA
Mpio. : PLANADAS

Latitud : 3 ° 11 'N
Longitud : 75 ° 37 'W
Altitud : 1400 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.4	22.5	19.6	86.7	0.0	0.0	0.0	.2
2	16.0	27.6	20.2	80.3	5.7	2.3	8.0	5.1
3	16.6	27.8	21.0	78.0	0.0	1.8	1.8	6.6
4	16.3	27.2	20.7	79.0	0.0	.4	.4	5.9
5	15.6	26.0	20.2	82.7	.3	0.0	.3	6.5
6	17.0	27.2	21.0	69.3	0.0	.6	.6	.4
7	17.2	23.2	18.5	92.3	6.5	.1	6.6	2.1
8	16.4	26.1	20.6	77.7	0.0	0.0	0.0	3.2
9	15.8	27.3	20.3	73.0	0.0	0.0	0.0	8.3
10	14.4	29.2	22.1	52.7	0.0	0.0	0.0	10.6
11	17.5	27.5	21.2	69.7	0.0	0.0	0.0	4.5
12	17.7	27.8	21.4	72.0	0.0	0.0	0.0	5.1
13	16.8	27.5	22.2	72.0	0.0	0.0	0.0	4.2
14	17.4	28.8	22.8	64.3	0.0	0.0	0.0	5.4
15	15.9	28.3	21.8	63.0	0.0	0.0	0.0	7.4
16	18.0	27.5	21.1	64.3	0.0	0.0	0.0	4.4
17	16.6	28.5	23.0	65.3	0.0	0.0	0.0	5.8
18	17.0	28.6	22.0	70.3	0.0	0.0	0.0	7.0
19	17.7	28.8	22.8	69.0	0.0	0.0	0.0	7.9
20	18.8	27.4	21.0	79.0	.7	0.0	.7	1.1
21	17.7	28.6	22.7	65.0	0.0	0.0	0.0	6.3
22	17.6	25.8	21.0	80.0	0.0	0.0	0.0	2.9
23	17.3	26.5	21.0	81.0	0.0	0.0	0.0	1.9
24	17.5	26.2	21.2	80.0	0.0	1.4	1.4	3.6
25	17.0	27.1	22.4	71.7	3.6	0.0	3.6	5.0
26	18.2	28.0	22.8	70.0	0.0	0.0	0.0	3.6
27	18.0	26.8	21.8	70.0	0.0	.4	.4	3.6
28	17.8	27.5	22.0	70.0	0.0	.2	.2	2.3
29	18.3	27.0	22.4	75.0	.2	0.0	.2	4.1
30	17.4	29.5	22.8	65.0	0.0	.5	.5	5.2
31	17.9	24.0	20.3	80.7	2.0	0.0	2.0	1.5
Total :					19.0	7.7	26.7	141.7
Promedio :	17.1	27.2	21.4	73.2				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.5	25.1	20.1	76.0	0.0	0.0	0.0	2.5
2	17.8	28.0	21.5	61.3	0.0	0.0	0.0	2.6
3	17.5	27.0	22.5	59.7	0.0	0.0	0.0	6.3
4	16.8	29.5	21.9	59.0	0.0	0.0	0.0	8.4
5	16.7	29.4	22.0	63.0	0.0	0.0	0.0	4.3
6	18.4	28.2	22.5	70.3	0.0	0.0	0.0	1.4
7	17.6	27.0	20.2	81.7	28.1	.5	28.6	2.5
8	16.8	26.5	21.2	75.0	.3	3.1	3.4	3.0
9	16.5	24.0	19.9	83.3	0.0	0.0	0.0	.3
10	17.5	28.3	22.5	60.0	0.0	0.0	0.0	5.7
11	17.6	28.4	22.5	62.0	0.0	0.0	0.0	4.1
12	16.6	26.7	21.8	70.3	0.0	0.0	0.0	2.1
13	17.3	29.5	22.8	62.7	0.0	0.0	0.0	4.1
14	17.4	26.6	21.9	72.3	0.0	.4	.4	1.6
15	16.4	25.8	20.8	70.7	0.0	0.0	0.0	0.0
16	17.6	26.5	21.0	67.7	0.0	0.0	0.0	3.3
17	16.3	29.8	24.0	54.0	0.0	0.0	0.0	10.3
18	17.5	30.4	24.1	51.3	0.0	0.0	0.0	6.1
19	17.1	30.0	23.2	55.7	0.0	0.0	0.0	6.2
20	16.5	28.6	23.2	53.7	0.0	.2	.2	5.6
21	17.6	29.0	22.8	61.7	0.0	0.0	0.0	6.2
22	17.5	26.4	20.4	78.7	.9	0.0	.9	4.2
23	16.4	30.6	22.5	59.0	0.0	0.0	0.0	8.8
24	17.9	27.3	21.8	71.0	.2	0.0	.2	3.7
25	17.6	26.5	20.8	79.0	5.8	0.0	5.8	.2
26	17.4	24.9	20.4	84.3	0.0	0.0	0.0	1.3
27	17.8	27.1	21.9	75.3	0.0	0.0	0.0	4.4
28	17.9	29.5	23.3	60.0	0.0	0.0	0.0	3.7
29	18.5	28.4	22.2	69.3	0.0	0.0	0.0	3.4
30	18.0	29.8	23.3	50.7	0.0	0.0	0.0	6.2
31	17.2	29.6	23.3	55.7	0.0	0.0	0.0	3.1
Total :					35.3	4.2	39.5	125.6
Promedio :	17.3	27.9	22.0	66.3				

Estación : LOS ANDES
Año : 1999

Dpto. : TOLIMA
Mpio. : PLANADAS

Latitud : 3 ° 11 'N
Longitud : 75 ° 37 'W
Altitud : 1400 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.5	28.2	23.2	64.0	0.0	0.0	0.0	2.2
2	18.3	25.0	20.8	79.0	0.0	0.0	0.0	1.0
3	18.8	24.5	21.4	68.7	0.0	0.0	0.0	4.1
4	17.6	28.5	22.0	71.7	0.0	0.0	0.0	4.0
5	16.9	26.2	20.7	74.7	0.0	0.0	0.0	3.3
6	17.5	29.5	23.0	59.0	0.0	0.0	0.0	6.7
7	18.0	28.2	21.4	78.3	0.0	0.0	0.0	5.1
8	18.2	27.6	21.5	79.7	1.5	32.5	34.0	3.2
9	17.5	26.8	20.8	83.7	3.6	18.4	22.0	3.5
10	16.1	26.4	20.7	81.7	11.6	8.0	19.6	2.7
11	17.4	25.9	21.0	78.3	34.0	0.0	34.0	3.0
12	17.0	25.5	19.1	90.0	21.0	0.0	21.0	.8
13	17.1	26.8	21.1	82.0	.9	3.2	4.1	2.4
14	16.5	24.1	19.4	86.0	1.1	0.0	1.1	3.2
15	16.3	27.5	21.4	75.7	0.0	5.1	5.1	4.4
16	17.0	27.3	20.2	82.7	.4	.3	.7	4.0
17	17.5	24.0	19.9	79.7	.6	0.0	.6	.2
18	16.9	26.9	21.3	69.3	0.0	0.0	0.0	3.5
19	17.8	26.5	21.1	78.3	0.0	0.0	0.0	4.6
20	17.9	28.6	22.1	73.0	0.0	0.0	0.0	2.4
21	17.5	27.5	20.8	78.7	0.0	0.0	0.0	2.1
22	18.0	26.4	21.8	70.3	0.0	14.5	14.5	3.6
23	16.2	25.6	19.4	81.0	.5	1.7	2.2	1.7
24	16.0	27.0	19.5	82.0	29.0	2.0	31.0	5.7
25	15.5	25.0	20.0	83.7	.8	28.7	29.5	4.1
26	16.4	26.5	20.8	78.3	3.0	18.0	21.0	5.2
27	16.3	20.0	17.8	94.0	6.0	0.0	6.0	0.0
28	16.5	23.0	19.5	84.3	1.5	4.6	6.1	.4
29	15.9	24.5	20.3	83.7	0.0	0.0	0.0	2.8
30	16.6	24.2	20.3	86.0	.7	5.2	5.9	4.4
31								
Total					116.2	142.2	258.4	94.3
Promedio :	17.1	26.1	20.7	78.6				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.5	25.4	20.5	78.3	1.1	2.9	4.0	4.2
2	16.2	22.0	17.0	95.0	50.9	0.0	50.9	2.1
3	16.9	29.0	21.3	74.3	.2	.2	.4	5.3
4	17.7	25.5	20.5	82.7	0.0	0.0	0.0	2.4
5	17.8	26.0	20.3	78.0	.5	0.0	.5	1.8
6	16.4	27.3	19.4	81.3	0.0	21.6	21.6	4.0
7	15.8	25.0	19.5	86.0	11.5	.1	11.6	4.2
8	16.2	26.4	20.8	80.3	0.0	0.0	0.0	4.5
9	17.6	26.6	21.2	79.0	0.0	0.0	0.0	4.4
10	17.4	26.8	21.5	77.7	0.0	0.0	0.0	4.0
11	16.9	25.6	20.6	84.0	1.0	13.1	14.1	1.6
12	17.1	23.5	19.0	83.3	10.9	0.0	10.9	.3
13	17.0	25.0	20.4	73.7	0.0	.7	.7	1.6
14	17.5	27.2	21.4	73.0	0.0	0.0	0.0	2.9
15	17.0	27.5	21.8	71.3	0.0	0.0	0.0	5.0
16	17.1	26.2	20.8	83.7	0.0	3.6	3.6	5.1
17	16.0	24.0	17.8	93.0	8.6	0.0	8.6	2.4
18	15.5	26.8	20.4	80.3	0.0	5.2	5.2	7.3
19	17.0	26.2	21.2	81.3	2.7	0.0	2.7	4.0
20	17.6	26.1	21.3	79.0	0.0	0.0	0.0	3.8
21	17.1	26.0	21.1	85.7	0.0	0.0	0.0	4.8
22	16.8	25.6	20.9	81.7	.2	23.0	23.2	3.2
23	17.4	26.5	20.0	87.7	0.0	1.7	1.7	3.5
24	17.5	24.8	20.0	89.3	0.0	24.0	24.0	1.5
25	17.3	23.7	19.0	84.7	1.6	0.0	1.6	2.3
26	16.4	27.0	20.7	80.7	1.3	6.8	8.1	3.6
27	16.9	24.2	19.8	83.3	20.3	15.6	35.9	1.3
28	17.4	22.6	19.2	92.0	.1	11.8	11.9	.2
29	17.0	27.5	21.1	83.3	.1	23.0	23.1	6.7
30	16.0	23.8	19.1	85.7	5.4	0.0	5.4	1.2
31	16.7	27.0	21.3	80.7	0.0	.1	.1	6.2
Total					116.4	153.4	269.8	105.4
Promedio :	16.9	25.7	20.3	82.3				

Estación : LOS ANDES
Año : 1999

Dpto. : TOLIMA
Mpio. : PLANADAS

Latitud : 3 ° 11 'N
Longitud : 75 ° 37 'W
Altitud : 1400 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.4	27.9	22.4	75.0	0.0	8.9	8.9	6.7
2	17.6	27.0	21.2	81.3	0.0	8.4	8.4	2.0
3	17.5	26.4	20.5	83.3	.2	11.1	11.3	3.2
4	17.0	27.1	21.8	81.7	.7	6.0	6.7	5.4
5	19.0	27.0	21.2	82.0	1.0	.1	1.1	4.7
6	17.1	28.5	22.0	75.7	0.0	1.2	1.2	8.6
7	18.0	25.7	21.2	85.3	0.0	12.0	12.0	3.1
8	17.5	23.6	19.9	86.7	2.3	18.2	20.5	.4
9	17.4	28.0	22.0	81.7	1.5	0.0	1.5	5.5
10	17.5	27.9	21.4	77.7	.3	0.0	.3	2.6
11	18.8	24.6	21.0	86.0	4.7	1.9	6.6	.6
12	18.4	26.0	20.6	85.7	1.5	0.0	1.5	1.7
13	17.2	26.8	21.6	80.3	.3	0.0	.3	4.2
14	16.5	27.4	21.5	81.0	0.0	0.0	0.0	5.6
15	17.5	24.0	19.6	88.0	2.8	0.0	2.8	1.4
16	16.6	25.7	21.2	80.7	5.4	7.6	13.0	5.0
17	17.0	26.1	20.8	83.3	0.0	16.6	16.6	3.2
18	17.1	25.0	20.4	85.0	5.3	8.3	13.6	2.0
19	17.3	23.0	19.6	87.0	0.0	.2	.2	.3
20	18.0	23.9	19.9	88.0	4.7	5.8	10.5	.3
21	16.6	21.8	19.0	90.7	1.3	6.2	7.5	0.0
22	16.8	22.3	18.5	82.3	1.3	0.0	1.3	0.0
23	16.5	24.6	19.8	86.3	.9	8.0	8.9	1.5
24	15.6	25.0	20.7	81.7	.1	38.6	38.7	2.9
25	16.8	23.6	19.0	88.0	3.0	5.0	8.0	.9
26	17.0	24.5	20.0	86.7	5.3	0.0	5.3	2.6
27	17.1	25.6	20.7	82.0	.5	4.1	4.6	3.4
28	16.4	27.0	21.2	80.7	0.0	0.0	0.0	7.6
29	16.7	26.6	21.8	81.7	0.0	14.6	14.6	7.0
30	16.5	25.0	20.4	84.3	0.0	25.0	25.0	0.0
31								
Total					43.1	207.8	250.9	92.4
Promedio	17.2	25.6	20.7	83.3				

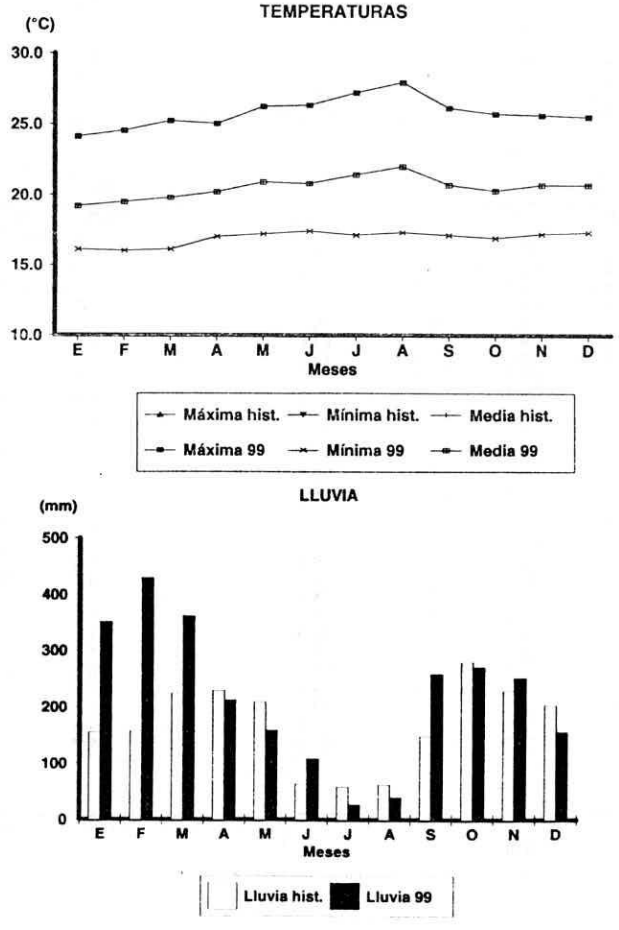
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brilio Sol.(h)
1	16.8	24.0	19.8	82.7	1.5	17.3	18.8	2.1
2	17.5	22.0	20.0	88.0	1.1	13.3	14.4	.4
3	17.1	25.8	20.8	84.3	0.0	2.4	2.4	1.6
4	17.4	26.6	21.9	85.0	0.0	3.6	3.6	5.0
5	17.0	25.4	21.0	85.7	.1	7.6	7.7	2.9
6	18.0	26.5	21.3	82.3	.6	19.6	20.2	1.9
7	17.9	25.6	20.6	84.3	3.7	2.5	6.2	1.5
8	18.0	27.4	22.3	82.0	0.0	.3	.3	6.1
9	18.2	27.0	21.2	83.7	.1	0.0	.1	4.0
10	17.3	27.6	21.0	79.7	1.1	0.0	1.1	5.6
11	17.5	25.0	20.3	85.3	.3	.8	1.1	1.8
12	17.0	27.0	21.6	84.7	.8	6.3	7.1	3.6
13	16.8	26.2	20.7	84.7	0.0	0.0	0.0	1.5
14	17.5	26.5	21.6	80.7	0.0	0.0	0.0	3.2
15	17.6	26.3	21.4	82.7	0.0	3.5	3.5	6.8
16	18.1	26.0	20.8	88.0	1.1	.5	1.6	2.5
17	18.0	25.1	20.8	88.0	1.4	5.5	6.9	3.9
18	17.8	26.5	21.3	86.0	.4	4.4	4.8	4.7
19	17.4	25.0	20.4	78.3	.9	10.1	11.0	2.4
20	17.5	26.8	22.0	76.3	5.6	0.0	5.6	7.1
21	17.4	26.0	22.0	81.3	0.0	.5	.5	.8
22	18.8	24.0	21.0	81.7	0.0	5.3	5.3	0.0
23	17.4	23.6	20.0	84.7	0.0	23.0	23.0	.4
24	17.0	24.8	19.6	80.3	1.6	5.8	7.4	3.3
25	16.0	22.2	19.5	89.3	0.0	0.0	0.0	.1
26	16.5	23.8	18.8	87.7	0.0	0.0	0.0	3.7
27	16.0	24.6	19.2	86.3	0.0	0.0	0.0	3.3
28	15.9	25.0	19.0	83.3	0.0	2.7	2.7	4.7
29	17.0	26.0	20.4	82.3	0.0	0.0	0.0	5.0
30	16.6	26.4	20.9	77.0	0.0	0.0	0.0	8.2
31	17.5	25.8	21.4	80.7	0.0	0.0	0.0	8.5
Total					20.3	135.0	155.3	106.6
Promedio	17.3	25.5	20.7	83.5				

Estación : LOS ANDES
Año : 1999

Dpto. : TOLIMA
Mpio. : PLANADAS

Latitud : 3 ° 11 'N
Longitud : 75 ° 37 'W
Altitud : 1400 m

MES	TEMPERATURA °C						PRECIPITACION		
	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	16.1	24.1	19.2	26.5	14.9	87.3	351.7	22	56.3
Febrero	16.0	24.5	19.5	27.4	15.0	86.0	429.5	26	63.8
Marzo	16.1	25.2	19.8	27.7	14.7	80.8	361.4	27	89.3
Abril	17.0	25.0	20.2	28.0	15.0	80.0	212.0	19	68.4
Mayo	17.2	26.2	20.9	28.6	15.0	80.4	158.7	19	115.4
Junio	17.4	26.3	20.8	29.2	15.3	81.5	108.3	24	108.0
Julio	17.1	27.2	21.4	29.5	14.4	73.2	26.7	14	141.7
Agosto	17.3	27.9	22.0	30.6	16.3	66.3	39.5	7	125.6
Septiembre	17.1	26.1	20.7	29.5	15.5	78.6	258.4	18	94.3
Octubre	16.9	25.7	20.3	29.0	15.5	82.3	269.8	23	105.4
Noviembre	17.2	25.6	20.7	28.5	15.6	83.3	250.9	28	92.4
Diciembre	17.3	25.5	20.7	27.6	15.9	83.5	155.3	23	106.6
Promedio :	16.9	25.8	20.5			80.3			
Absoluta :				30.6	14.4				
Total :							2622.2	250	1167.2



Estación : CANADA
Año : 1999

Dpto. : VALLE
Mpio. : ANSERMANUEVO

Latitud : 4 ° 48 'N
Longitud : 75 ° 57 'W
Altitud : 930 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.2	31.8	22.8	78.3	0.0	0.0	0.0	6.3
2	19.0	30.1	22.8	78.7	0.0	1.0	1.0	6.6
3	18.9	32.0	22.4	77.3	76.0	0.0	76.0	7.8
4	18.2	31.0	23.6	73.7	0.0	2.2	2.2	6.8
5	19.0	28.5	22.5	81.0	0.0	0.0	0.0	2.3
6	18.9	31.8	22.7	81.3	0.0	0.0	0.0	5.4
7	18.0	30.4	23.4	73.0	0.0	0.0	0.0	7.4
8	18.8	28.5	22.6	81.0	0.0	0.0	0.0	2.4
9	19.0	29.8	22.3	82.0	0.0	0.0	0.0	4.4
10	18.5	29.0	22.1	92.0	2.8	3.4	6.2	3.2
11	18.4	27.5	21.8	93.0	0.0	.6	.6	2.5
12	18.0	26.8	21.5	88.0	.4	0.0	.4	.3
13	16.8	29.9	23.8	73.7	0.0	0.0	0.0	6.8
14	17.9	28.0	22.4	80.0	0.0	0.0	0.0	2.0
15	17.0	29.8	22.1	76.7	0.0	0.0	0.0	7.0
16	17.8	26.4	21.0	94.7	6.9	0.0	6.9	.9
17	17.0	31.8	23.2	74.7	0.0	0.0	0.0	7.0
18	17.0	31.0	22.4	80.7	0.0	.2	.2	9.6
19	17.8	30.0	22.3	81.3	0.0	9.6	9.6	5.2
20	19.0	29.9	22.5	82.7	0.0	0.0	0.0	6.3
21	17.7	31.0	22.8	79.7	0.0	1.4	1.4	7.9
22	18.2	29.8	23.2	82.0	0.0	0.0	0.0	5.3
23	18.0	30.0	22.2	81.7	1.0	.9	1.9	6.3
24	19.3	26.5	22.8	87.0	0.0	11.2	11.2	.3
25	18.8	29.2	22.4	83.0	0.0	0.0	0.0	4.1
26	19.0	31.5	23.5	77.7	0.0	2.8	2.8	5.9
27	19.9	29.0	23.6	77.7	0.0	.6	.6	2.6
28	19.0	28.0	22.1	85.3	.2	0.0	.2	3.3
29	18.8	31.5	23.6	77.3	0.0	0.0	0.0	7.8
30	18.8	32.5	24.0	75.3	0.0	0.0	0.0	8.8
31	19.2	32.2	24.3	77.3	0.0	0.0	0.0	8.5
Total :					87.3	33.9	121.2	161.0
Promedio :	18.4	29.8	22.7	80.9				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	29.0	23.4	80.0	0.0	0.0	0.0	.7
2	19.5	29.2	23.0	79.0	1.6	.2	1.8	4.4
3	18.8	29.5	22.9	80.0	0.0	1.3	1.3	3.8
4	19.0	28.5	22.6	82.0	0.0	1.7	1.7	1.5
5	18.8	29.0	23.5	75.3	.1	.7	.8	2.2
6	19.0	28.5	23.5	80.0	0.0	0.0	0.0	2.3
7	18.5	30.2	23.8	77.7	0.0	0.0	0.0	4.3
8	18.0	32.2	24.2	74.7	0.0	0.0	0.0	8.7
9	17.9	33.1	23.8	79.7	0.0	0.0	0.0	9.5
10	19.0	25.6	21.0	91.7	.6	0.0	.6	1.0
11	18.8	31.6	24.0	74.7	0.0	.8	.8	5.2
12	19.2	28.5	23.5	83.7	0.0	24.1	24.1	1.6
13	18.2	25.0	21.9	88.7	0.0	2.8	2.8	0.0
14	19.0	29.0	22.6	82.3	2.3	5.4	7.7	5.1
15	18.0	28.0	20.6	86.3	17.4	.7	18.1	1.6
16	17.8	29.0	21.6	84.7	.5	18.6	19.1	3.1
17	17.5	25.0	20.5	88.3	26.8	6.0	32.8	.5
18	18.0	28.0	21.2	84.0	22.9	4.5	27.4	5.5
19	17.2	30.0	21.7	85.0	2.2	8.2	10.4	4.5
20	17.8	27.0	21.8	84.0	.4	0.0	.4	2.5
21	17.0	30.2	21.7	84.0	0.0	1.4	1.4	5.4
22	18.0	28.8	21.3	84.3	0.0	1.1	1.1	4.0
23	18.7	29.2	22.3	81.3	1.0	11.1	12.1	4.1
24	18.0	27.8	21.3	84.0	3.3	26.0	29.3	4.0
25	17.8	29.5	22.5	79.3	0.0	0.0	0.0	6.4
26	19.0	30.9	23.0	83.3	0.0	5.6	5.6	2.3
27	18.5	28.8	22.6	83.3	0.0	4.3	4.3	4.4
28	18.8	27.2	21.3	87.3	9	3.7	4.6	1.0
29								
30								
31								
Total :					80.0	128.2	208.2	99.6
Promedio :	18.4	28.9	22.4	82.4				

Estación : CANADA
Año : 1999

Dpto. : VALLE
Mpio. : ANSERMANUEVO

Latitud : 4 ° 48 'N
Longitud : 75 ° 57 'W
Altitud : 930 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.2	28.3	21.7	80.7	0.0	0.0	0.0	2.2
2	17.3	29.2	22.2	80.3	0.0	0.0	0.0	4.6
3	17.2	30.1	23.4	75.0	0.0	2.5	2.5	7.3
4	19.0	29.5	22.2	84.0	.4	0.0	.4	4.1
5	18.0	32.2	23.8	76.7	0.0	.5	.5	9.3
6	18.2	33.0	22.6	81.0	8.3	29.6	37.9	9.3
7	17.3	30.0	22.6	80.7	0.0	0.0	0.0	6.1
8	17.8	31.4	23.4	76.3	0.0	4.7	4.7	7.5
9	18.5	28.7	21.8	84.3	0.0	0.0	0.0	.9
10	18.0	30.0	21.0	79.7	4.8	0.0	4.8	5.8
11	17.0	31.0	22.8	80.3	0.0	0.0	0.0	8.1
12	17.2	32.8	23.8	77.3	0.0	0.0	0.0	6.3
13	18.0	29.7	22.4	80.3	0.0	0.0	0.0	1.4
14	16.2	29.8	22.4	80.0	0.0	0.0	0.0	4.0
15	18.9	28.3	21.0	83.7	2.1	3.9	6.0	4.4
16	17.5	27.8	21.1	84.3	0.0	0.0	0.0	2.3
17	16.8	31.2	23.4	71.7	0.0	13.9	13.9	5.8
18	17.0	28.0	22.7	82.0	0.0	2.7	2.7	4.4
19	18.2	29.2	21.4	85.3	.2	3.0	3.2	4.4
20	18.0	29.0	22.9	81.3	0.0	0.0	0.0	3.6
21	18.2	30.8	23.1	84.0	0.0	0.0	0.0	3.1
22	19.0	30.0	23.8	72.0	0.0	0.0	0.0	8.5
23	17.8	29.8	22.8	77.0	0.0	0.0	0.0	3.8
24	18.2	30.5	23.1	80.3	0.0	0.0	0.0	3.8
25	18.4	32.5	24.6	76.3	0.0	0.0	0.0	6.4
26	17.9	31.0	24.0	77.0	0.0	0.0	0.0	2.7
27	19.2	29.0	22.8	80.7	0.0	6.4	6.4	0.0
28	18.4	28.9	21.4	87.0	2.7	12.0	14.7	2.1
29	18.5	28.9	22.5	80.7	0.0	0.0	0.0	4.1
30	18.0	31.0	22.6	81.3	6.9	.2	7.1	3.6
31	17.0	32.0	23.5	80.0	0.0	0.0	0.0	8.0
Total :					25.4	79.4	104.8	147.9
Promedio :	17.9	30.1	22.7	80.0				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.8	30.0	23.2	80.7	0.0	0.0	0.0	3.1
2	18.0	32.2	24.3	74.7	0.0	12.3	12.3	7.5
3	17.5	22.2	19.6	90.0	.5	0.0	.5	.5
4	15.5	30.5	21.6	82.7	35.4	4.1	39.5	2.0
5	18.5	31.5	24.4	79.3	0.0	7.5	7.5	7.0
6	19.5	31.2	23.8	73.0	0.0	0.0	0.0	6.0
7	18.8	31.0	22.1	80.0	0.0	6.8	6.8	5.0
8	19.0	27.5	21.3	84.7	.8	3.6	4.4	2.5
9	18.5	28.0	21.8	82.0	0.0	0.0	0.0	.4
10	17.9	28.5	20.0	87.7	12.8	2.7	15.5	2.5
11	17.8	29.5	23.0	82.0	0.0	4.4	4.4	5.5
12	18.0	30.2	23.4	76.7	0.0	34.3	34.3	6.0
13	17.4	29.0	22.5	78.7	0.0	0.0	0.0	3.9
14	18.8	29.5	23.0	78.7	0.0	3.3	3.3	5.0
15	17.8	29.3	22.4	83.7	0.0	.5	.5	5.3
16	18.0	31.0	23.5	78.7	0.0	0.0	0.0	7.2
17	16.5	32.2	23.3	78.0	0.0	0.0	0.0	7.9
18	16.2	31.8	23.5	74.7	0.0	0.0	0.0	7.0
19	17.1	32.0	25.5	72.0	0.0	0.0	0.0	7.4
20	20.5	33.2	24.2	85.3	0.0	0.0	0.0	4.3
21	18.0	33.1	25.0	76.7	0.0	0.0	0.0	8.4
22	19.2	33.8	26.2	74.0	0.0	3.4	3.4	8.9
23	20.5	28.0	24.0	87.3	0.0	3.1	3.1	0.0
24	18.8	29.0	22.2	85.7	48.9	11.4	60.3	2.4
25	18.6	30.9	22.9	79.3	0.0	1.5	1.5	6.9
26	19.0	30.0	23.0	82.7	0.0	10.7	10.7	3.9
27	18.5	27.5	22.2	84.7	0.0	0.0	0.0	.1
28	20.5	29.2	22.5	84.0	0.0	0.0	0.0	3.1
29	20.0	32.5	24.5	78.0	0.0	8.4	8.4	7.8
30	19.0	26.0	21.3	88.0	4.1	0.0	4.1	0.0
31								
Total :					102.5	118.0	220.5	137.5
Promedio :	18.4	30.0	23.0	80.8				

Estación : CANADA
Año : 1999

Dpto. : VALLE
Mpio. : ANSERMANUEVO

Latitud : 4 ° 48 'N
Longitud : 75 ° 57 'W
Altitud : 930 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.5	30.5	22.9	82.3	0.0	1.0	1.0	7.3
2	20.6	29.5	22.4	85.0	0.0	0.0	0.0	3.0
3	20.5	31.0	24.8	75.7	0.0	6.9	6.9	6.6
4	19.5	28.0	22.8	86.0	0.0	2.8	2.8	.4
5	18.8	29.8	23.0	81.3	10.0	3.5	13.5	6.0
6	20.0	31.0	23.3	78.7	0.0	7.0	7.0	6.4
7	18.2	28.4	23.6	80.7	0.0	2.0	2.0	4.6
8	18.0	31.0	23.0	80.7	4.4	5.5	9.9	7.8
9	18.5	29.4	22.3	88.3	37.0	17.1	54.1	1.3
10	18.0	29.0	22.8	82.0	0.0	0.0	0.0	5.4
11	18.1	28.0	21.5	87.7	0.0	0.0	0.0	2.8
12	18.8	30.0	23.0	81.7	6.6	19.3	25.9	7.0
13	19.0	26.8	22.1	87.0	0.0	0.0	0.0	1.3
14	18.5	31.0	23.6	83.3	0.0	0.0	0.0	4.3
15	19.4	30.0	23.8	79.0	0.0	1.6	1.6	5.4
16	19.8	31.8	24.2	76.0	0.0	0.0	0.0	8.4
17	19.4	32.5	24.8	76.0	0.0	.3	.3	9.5
18	19.8	30.0	24.0	81.7	0.0	0.0	0.0	.9
19	19.4	32.1	24.2	81.3	0.0	0.0	0.0	6.0
20	18.8	31.0	23.9	76.3	0.0	0.0	0.0	7.1
21	19.3	33.0	23.5	81.7	4.7	3.4	8.1	7.3
22	20.0	32.2	23.9	83.0	0.0	0.0	0.0	6.1
23	19.3	32.5	26.0	73.7	0.0	0.0	0.0	8.8
24	20.0	32.2	25.2	70.7	0.0	0.0	0.0	6.8
25	18.0	29.0	23.3	75.0	0.0	21.2	21.2	5.5
26	17.9	32.2	23.8	71.7	0.0	0.0	0.0	8.3
27	18.2	30.2	23.8	77.0	0.0	0.0	0.0	6.2
28	18.0	29.2	23.6	80.0	0.0	0.0	0.0	.9
29	18.3	28.0	21.5	85.0	1.5	0.0	1.5	.8
30	18.0	29.8	23.6	76.3	0.0	0.0	0.0	6.3
31	17.5	32.5	22.0	76.7	12.8	0.0	12.8	9.5
Total :					77.0	91.6	168.6	168.0
Promedio :	18.9	30.4	23.4	80.0				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.5	30.0	23.4	75.7	0.0	2.0	2.0	5.2
2	18.7	26.8	21.9	85.0	.5	0.0	.5	.9
3	17.0	29.3	22.8	74.3	0.0	10.1	10.1	5.4
4	18.0	28.0	20.5	83.7	15.0	5.4	20.4	1.3
5	17.4	28.3	21.0	84.7	28.9	2.6	31.5	2.0
6	16.4	28.5	21.8	84.3	0.0	0.0	0.0	2.5
7	19.0	29.2	21.7	81.7	8.5	15.4	23.9	3.9
8	18.2	28.0	21.2	85.7	0.0	1.2	1.2	3.5
9	18.0	29.8	23.0	75.0	0.0	0.0	0.0	7.2
10	16.3	29.3	23.2	73.3	0.0	25.5	25.5	8.1
11	18.0	28.8	22.0	85.3	.7	0.0	.7	4.8
12	18.1	30.0	23.6	74.3	0.0	0.0	0.0	6.7
13	18.7	24.4	20.2	93.3	8.7	.5	9.2	.2
14	17.0	28.5	21.8	80.0	0.0	0.0	0.0	4.0
15	18.2	28.2	23.0	83.0	0.0	0.0	0.0	4.3
16	19.0	30.0	22.4	82.7	16.8	.7	17.5	2.8
17	19.5	31.0	24.2	78.3	0.0	5.3	5.3	6.7
18	19.1	27.3	21.8	86.3	21.7	0.0	21.7	.1
19	18.2	31.0	23.3	80.0	0.0	0.0	0.0	5.7
20	19.0	31.2	22.7	83.3	0.0	13.2	13.2	5.1
21	18.5	28.5	22.6	88.3	.8	1.0	1.8	.5
22	19.6	30.0	22.9	82.7	0.0	1.4	1.4	4.0
23	20.0	28.8	23.6	82.7	0.0	0.0	0.0	4.0
24	19.0	30.6	23.5	77.0	0.0	10.0	10.0	3.5
25	18.2	29.5	23.2	78.3	0.0	0.0	0.0	3.7
26	19.5	29.0	23.0	81.3	0.0	7.6	7.6	3.6
27	19.3	28.5	22.9	83.0	3.2	5.5	8.7	2.1
28	19.2	27.2	21.8	78.7	0.0	0.0	0.0	4.6
29	16.0	29.4	22.2	81.3	0.0	0.0	0.0	5.3
30	17.8	30.6	24.0	70.3	0.0	12.1	12.1	4.0
31								
Total :					104.8	119.5	224.3	115.7
Promedio :	18.3	29.0	22.5	81.1				

Estación : CANADA
Año : 1999

Dpto. : VALLE
Mpio. : ANSERMANUEVO

Latitud : 4 ° 48 'N
Longitud : 75 ° 57 'W
Altitud : 930 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	27.5	21.7	82.3	0.0	29.6	29.6	1.4
2	17.8	28.6	22.1	78.3	0.0	12.1	12.1	4.8
3	17.5	27.5	22.0	79.3	0.0	0.0	0.0	4.0
4	17.3	30.0	22.9	76.7	0.0	0.0	0.0	7.9
5	18.0	30.0	23.2	74.0	0.0	0.0	0.0	8.4
6	17.2	29.0	22.0	73.0	0.0	0.0	0.0	5.1
7	16.2	27.8	21.8	79.3	0.0	7.6	7.6	4.3
8	17.0	28.0	22.6	79.3	0.0	0.0	0.0	4.8
9	17.5	30.0	22.6	72.0	0.0	0.0	0.0	6.3
10	15.2	31.5	22.8	71.3	0.0	0.0	0.0	8.3
11	18.0	30.0	23.1	73.3	0.0	0.0	0.0	6.7
12	15.5	30.8	20.0	79.7	38.0	0.0	38.0	9.1
13	15.0	30.2	22.8	78.0	0.0	0.0	0.0	9.1
14	16.3	31.5	23.0	70.7	0.0	0.0	0.0	8.2
15	16.7	31.8	23.2	66.0	0.0	0.0	0.0	9.1
16	17.6	29.7	22.9	70.7	0.0	0.0	0.0	8.0
17	15.3	31.2	22.6	75.3	0.0	0.0	0.0	7.7
18	18.0	31.0	23.3	70.7	0.0	0.0	0.0	6.2
19	18.1	33.2	23.8	79.3	0.0	15.9	15.9	8.3
20	19.0	31.2	24.4	79.3	0.0	0.0	0.0	6.2
21	19.1	32.5	24.1	77.7	0.0	0.0	0.0	8.0
22	18.0	31.5	24.7	78.0	0.0	0.0	0.0	5.5
23	18.8	31.0	22.3	83.0	6.0	0.0	6.0	5.8
24	17.8	30.2	24.6	72.7	0.0	0.0	0.0	8.3
25	18.3	35.5	26.6	66.0	0.0	0.0	0.0	9.2
26	19.0	31.2	23.5	72.7	0.0	1.6	1.6	.4
27	18.2	31.5	24.2	70.7	0.0	0.0	0.0	7.2
28	18.9	31.0	23.4	74.7	0.0	0.0	0.0	6.4
29	18.0	29.2	23.0	76.7	0.0	0.0	0.0	4.5
30	17.0	31.0	24.6	66.7	0.0	0.0	0.0	7.7
31	18.8	31.5	22.7	74.3	0.0	.6	.6	5.2
Total :					44.0	67.4	111.4	202.1
Promedio :	17.5	30.5	23.1	74.9				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	32.5	23.3	68.3	0.0	4.4	4.4	8.8
2	18.0	29.0	23.0	69.3	0.0	0.0	0.0	5.1
3	17.6	27.9	21.1	75.3	3.1	0.0	3.1	5.3
4	16.8	29.9	22.5	69.7	0.0	4.0	4.0	6.3
5	17.8	30.6	23.3	69.0	0.0	0.0	0.0	8.6
6	17.0	30.1	23.6	65.3	0.0	31.6	31.6	6.3
7	16.2	29.0	21.6	76.7	0.0	0.0	0.0	8.4
8	17.8	30.8	23.2	70.7	0.0	0.0	0.0	7.0
9	18.0	30.3	23.9	77.3	0.0	0.0	0.0	4.0
10	16.0	32.2	24.4	71.7	0.0	0.0	0.0	7.9
11	19.2	31.0	24.6	70.0	0.0	8.0	8.0	5.7
12	18.2	31.9	23.8	75.3	0.0	0.0	0.0	6.1
13	18.9	31.2	23.1	80.0	39.3	4.1	43.4	3.1
14	19.5	31.0	22.6	78.3	2.3	9.4	11.7	7.2
15	17.8	30.9	22.8	75.3	0.0	0.0	0.0	5.1
16	17.4	32.0	24.2	75.3	0.0	8.4	8.4	7.0
17	17.0	31.0	23.4	75.7	0.0	0.0	0.0	5.9
18	18.0	31.8	23.8	80.0	0.0	0.0	0.0	7.1
19	17.0	30.6	23.2	74.7	0.0	0.0	0.0	4.5
20	16.9	32.0	23.7	71.0	0.0	1.2	1.2	4.2
21	18.2	25.4	20.5	90.3	2.7	0.0	2.7	.3
22	16.0	31.8	22.9	75.0	0.0	0.0	0.0	7.2
23	16.2	30.0	22.6	77.3	0.0	0.0	0.0	4.4
24	16.9	29.9	22.5	78.3	0.0	0.0	0.0	3.4
25	17.8	27.8	21.8	84.3	0.0	.4	.4	.4
26	19.0	30.8	23.1	72.7	0.0	.4	.4	5.1
27	19.8	30.0	23.7	78.7	1.6	0.0	1.6	2.8
28	17.9	27.2	22.4	84.0	1.2	0.0	1.2	.7
29	17.9	32.0	24.2	73.7	0.0	0.0	0.0	7.3
30	18.0	31.2	24.2	73.3	0.0	0.0	0.0	5.7
31	17.0	31.9	23.0	72.7	4.1	0.0	4.1	5.8
Total					54.3	71.9	126.2	166.7
Promedio	17.6	30.4	23.1	75.1				

Estación : CANADA **Dpto. : VALLE** **Latitud : 4 ° 48 'N**
Año : 1999 **Mpio. : ANSERMANUEVO** **Longitud : 75 ° 57 'W**
Altitud : 930 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.2	31.0	22.7	80.0	1.5	14.2	15.7	6.3
2	19.0	30.8	23.8	72.3	.7	0.0	.7	6.3
3	18.5	30.9	23.5	76.0	0.0	0.0	0.0	4.1
4	17.8	29.8	22.0	81.3	.3	12.3	12.6	3.5
5	18.1	28.5	21.5	82.7	.3	0.0	.3	2.9
6	17.2	29.2	23.0	78.0	0.0	0.0	0.0	5.8
7	16.8	30.0	22.5	72.7	0.0	2.5	2.5	5.6
8	18.0	29.9	21.2	77.0	4.0	0.0	4.0	5.0
9	16.6	28.2	20.8	77.3	0.0	8.8	8.8	4.4
10	17.0	27.0	22.2	76.3	0.0	0.0	0.0	2.9
11	18.2	29.0	21.4	76.7	.1	16.1	16.2	3.8
12	17.8	27.2	20.3	82.3	23.5	4.6	28.1	3.1
13	17.2	29.0	21.3	75.0	0.0	16.8	16.8	7.0
14	17.0	23.0	19.9	82.7	0.0	0.0	0.0	0.0
15	17.3	29.8	21.4	75.7	1.0	0.0	1.0	1.8
16	16.4	31.6	22.0	75.0	.8	5.7	6.5	7.6
17	17.8	28.5	21.4	79.0	.3	0.0	.3	3.7
18	16.0	29.0	21.9	75.0	0.0	0.0	0.0	4.5
19	17.7	31.1	24.0	66.0	0.0	3.2	3.2	8.7
20	18.8	29.1	23.2	72.7	0.0	0.0	0.0	5.0
21	16.5	29.7	22.1	74.3	0.0	14.2	14.2	5.6
22	17.5	28.8	22.3	71.7	0.0	0.0	0.0	4.4
23	17.0	28.0	20.1	81.3	10.8	0.0	10.8	1.7
24	17.2	28.6	21.8	75.3	4.0	25.7	29.7	5.1
25	18.0	28.2	20.9	81.3	43.5	8.9	52.4	4.0
26	17.0	28.0	21.2	80.7	.4	10.8	11.2	3.6
27	17.9	27.2	20.3	80.3	.9	1.0	1.9	2.9
28	17.2	27.0	20.6	77.3	.3	2.8	3.1	2.1
29	16.8	26.3	20.9	79.0	0.0	0.0	0.0	.7
30	16.9	29.0	22.0	74.3	.2	3.9	4.1	7.5
31								
Total :					92.6	151.5	244.1	129.6
Promedio :	17.5	28.8	21.7	77.0				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	26.0	20.6	79.7	0.0	0.0	0.0	0.0
2	16.8	28.9	22.2	77.3	0.0	4.8	4.8	4.4
3	17.8	29.6	22.4	70.3	0.0	18.1	18.1	7.3
4	17.7	29.0	21.8	71.7	0.0	0.0	0.0	4.3
5	16.2	30.0	21.4	75.0	.3	8.0	8.3	5.3
6	16.5	26.2	19.9	79.3	3.6	0.0	3.6	1.7
7	16.2	28.0	20.0	78.7	16.1	0.0	16.1	5.7
8	16.0	30.3	22.4	72.0	0.0	3.6	3.6	4.0
9	17.5	29.0	21.8	78.0	1.3	0.0	1.3	4.5
10	17.8	29.2	22.3	77.0	0.0	1.6	1.6	4.8
11	18.0	30.0	21.0	76.7	44.7	0.0	44.7	6.2
12	17.0	29.0	21.1	77.3	0.0	0.0	0.0	6.0
13	16.0	28.8	22.2	71.0	0.0	0.0	0.0	6.7
14	17.9	30.0	23.8	63.3	0.0	0.0	0.0	7.1
15	18.0	29.0	21.8	73.7	0.0	10.5	10.5	2.9
16	16.5	28.0	20.9	78.3	3.8	0.0	3.8	2.2
17	18.0	25.8	20.6	80.7	0.0	0.0	0.0	1.0
18	16.0	29.9	22.0	74.0	0.0	2.7	2.7	8.4
19	17.8	30.1	22.8	71.7	0.0	0.0	0.0	8.8
20	17.8	28.2	21.5	77.7	0.0	0.0	0.0	2.3
21	16.7	29.6	22.1	76.3	0.0	0.0	0.0	4.2
22	17.8	28.4	20.8	77.7	37.0	.1	37.1	4.1
23	17.5	29.0	22.0	76.0	0.0	0.0	0.0	1.4
24	19.0	29.8	22.6	75.0	0.0	0.0	0.0	4.7
25	19.0	29.8	20.9	82.7	2.3	5.5	7.8	7.6
26	17.0	29.4	21.7	76.7	0.0	16.2	16.2	4.0
27	17.8	28.2	21.8	79.3	0.0	35.2	35.2	4.2
28	18.0	27.8	20.7	79.3	1.7	.2	1.9	3.5
29	17.0	30.0	22.0	78.3	2.8	6.5	9.3	6.8
30	18.0	28.2	21.8	80.3	3	0.0	.3	2.9
31	17.2	30.5	22.8	74.3	0.0	2.2	2.2	4.0
Total :					113.9	115.2	229.1	141.0
Promedio :	17.3	28.9	21.7	76.1				

Estación : CANADA
Año : 1999

Dpto. : VALLE
Mpio. : ANSERMANUEVO

Latitud : 4 ° 48 'N
Longitud : 75 ° 57 'W
Altitud : 930 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.0	29.9	22.2	79.7	.4	0.0	.4	5.8
2	18.2	29.0	23.4	73.3	0.0	.6	.6	1.5
3	18.8	29.2	23.3	74.3	0.0	.2	.2	5.6
4	19.0	29.0	21.9	81.0	1.6	.7	2.3	4.5
5	17.2	29.9	22.8	74.0	0.0	6.0	6.0	8.7
6	19.0	28.8	23.5	76.7	1.0	0.0	1.0	4.2
7	18.2	29.9	22.2	78.0	.6	.6	1.2	5.3
8	18.2	29.0	21.5	81.7	0.0	0.0	0.0	1.1
9	17.0	30.1	23.1	73.0	0.0	7.1	7.1	9.8
10	18.0	30.8	23.6	70.0	0.0	0.0	0.0	6.5
11	17.8	27.8	22.1	77.3	1.7	0.0	1.7	1.5
12	17.2	29.0	22.5	77.0	6.4	0.0	6.4	3.6
13	18.9	28.9	21.9	78.3	7.3	0.0	7.3	4.2
14	16.2	30.0	22.8	73.0	0.0	6.1	6.1	8.6
15	18.0	24.0	19.8	86.7	.9	0.0	.9	.1
16	16.0	28.6	22.6	70.3	0.0	.8	.8	6.9
17	17.2	29.7	23.2	67.3	6.4	1.4	7.8	7.7
18	17.7	27.1	21.0	76.0	1.4	3.9	5.3	2.6
19	18.0	27.4	21.8	81.0	0.0	.5	.5	1.6
20	18.5	26.0	21.2	83.7	.5	7.0	7.5	.8
21	17.3	25.8	20.2	85.3	9.1	3.1	12.2	.5
22	18.0	22.5	19.8	92.0	15.3	0.0	15.3	0.0
23	17.5	29.2	21.6	77.0	4.0	2.3	6.3	7.4
24	17.7	27.5	21.0	77.7	0.0	11.9	11.9	4.1
25	17.2	27.0	21.1	76.0	0.0	0.0	0.0	4.9
26	17.0	29.8	22.6	74.0	0.0	0.0	0.0	7.6
27	17.8	30.2	22.9	72.3	0.0	.2	.2	7.6
28	18.2	30.0	23.1	74.3	0.0	0.0	0.0	7.4
29	18.0	30.3	24.6	69.0	0.0	0.0	0.0	7.5
30	18.2	28.2	21.5	82.0	2.6	4.0	6.6	6.1
31								
Total					59.2	56.4	115.6	143.7
Promedio :	17.8	28.5	22.2	77.1				

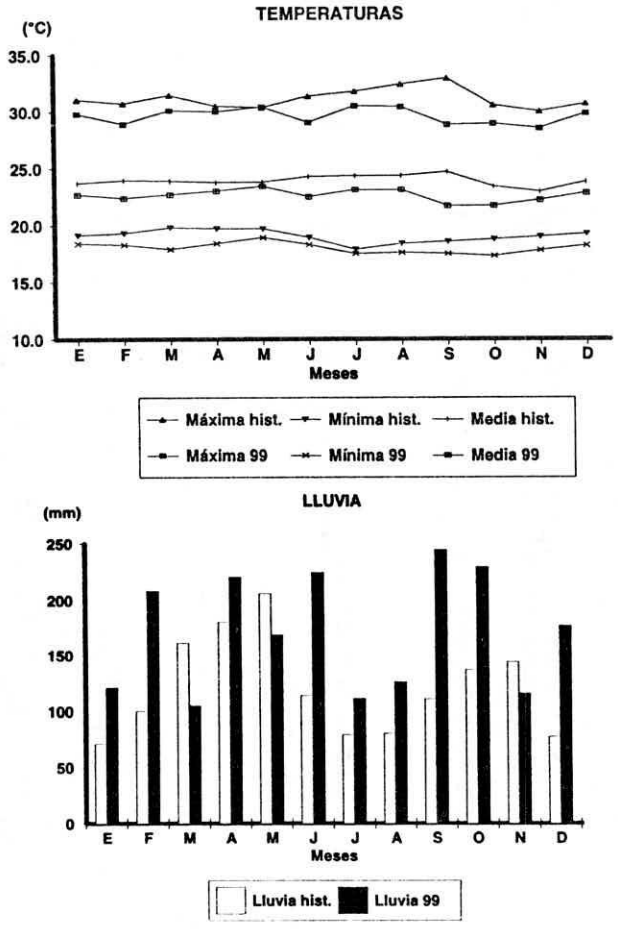
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	24.0	20.1	86.0	4.2	.3	4.5	.3
2	16.9	28.0	21.3	77.7	0.0	.4	.4	4.2
3	17.5	27.3	22.2	75.3	0.0	2.4	2.4	2.6
4	18.0	28.9	21.5	80.3	1.8	30.7	32.5	5.3
5	17.9	28.0	21.1	81.3	0.0	.8	.8	4.2
6	17.8	28.8	22.1	78.0	0.0	0.0	0.0	6.2
7	18.0	30.0	22.9	78.3	0.0	0.0	0.0	3.9
8	17.5	30.1	24.0	70.0	0.0	.2	.2	4.2
9	18.6	31.7	24.4	70.0	0.0	3.1	3.1	4.1
10	19.0	28.2	22.3	80.3	0.0	0.0	0.0	5.4
11	18.0	29.3	22.8	75.0	0.0	0.0	0.0	4.3
12	19.0	29.9	22.2	79.7	1.4	2.5	3.9	3.7
13	18.8	29.8	22.2	81.3	.2	0.0	.2	4.0
14	18.6	27.9	22.4	75.3	.3	42.0	42.3	3.8
15	17.7	28.2	22.4	77.0	1.1	3.6	4.7	3.7
16	18.0	30.2	22.9	79.3	0.0	1.3	1.3	6.0
17	19.0	31.2	23.9	73.3	0.0	10.3	10.3	5.9
18	19.7	30.9	24.6	74.3	.7	0.0	.7	7.6
19	19.8	32.2	24.7	73.3	1.4	2.4	3.8	6.6
20	20.2	33.0	23.0	81.7	33.9	0.0	33.9	7.0
21	20.0	29.0	23.8	77.3	0.0	6.5	6.5	4.1
22	19.2	27.1	22.1	84.0	.6	16.6	17.2	.8
23	19.0	29.7	22.8	75.3	.6	3.9	4.5	4.4
24	18.3	30.0	22.8	74.0	0.0	2.2	2.2	3.5
25	18.1	30.2	22.6	78.3	0.0	0.0	0.0	3.4
26	15.2	31.0	22.7	66.0	0.0	0.0	0.0	6.4
27	17.2	31.8	23.3	69.7	0.0	0.0	0.0	9.6
28	16.9	30.8	22.6	69.3	0.0	0.0	0.0	7.8
29	16.0	32.1	23.4	68.3	0.0	0.0	0.0	9.1
30	16.3	32.0	24.1	66.7	0.0	0.0	0.0	8.0
31	19.5	32.6	25.1	66.7	.9	.3	1.2	7.9
Total					47.1	129.5	176.6	158.0
Promedio :	18.2	29.8	22.8	75.6				

Estación : CANADA
Año : 1999

Dpto. : VALLE
Mpio. : ANSERMANUEVO

Latitud : 4 ° 48 'N
Longitud : 75 ° 57 'W
Altitud : 930 m

MES	TEMPERATURA °C						PRECIPITACION		
	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	18.4	29.8	22.7	32.5	16.8	80.9	121.2	15	161.0
Febrero	18.3	28.9	22.4	33.1	17.0	82.5	208.2	22	99.6
Marzo	17.9	30.1	22.7	33.0	16.2	80.0	104.8	13	147.9
Abril	18.4	30.0	23.0	33.8	15.5	80.8	220.5	18	137.5
Mayo	18.9	30.4	23.4	33.0	17.5	80.0	168.6	15	168.0
Junio	18.3	29.0	22.5	31.2	16.0	81.1	224.3	20	115.7
Julio	17.5	30.5	23.1	35.5	15.0	74.9	111.4	8	202.1
Agosto	17.6	30.4	23.1	32.5	16.0	75.1	126.2	15	166.7
Septiembre	17.5	28.8	21.7	31.6	16.0	77.0	244.1	22	129.6
Octubre	17.3	28.9	21.7	30.5	16.0	76.1	229.1	20	141.0
Noviembre	17.8	28.5	22.2	30.8	16.0	77.1	115.6	24	143.7
Diciembre	18.2	29.8	22.8	33.0	15.2	75.6	176.6	21	158.0
Promedio :	18.0	29.6	22.6			78.4			
Absoluta :				35.5	15.0				
Total :							2050.6	213	1770.8



Estación : ALBAN
Año : 1999

Dpto. : VALLE
Mpio. : EL CAIRO

Latitud : 4 ° 46 'N
Longitud : 76 ° 11 'W
Altitud : 1500 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.9	24.1	19.4	85.3	.5	.1	.6	3.3
2	16.2	24.0	18.8	86.0	17.8	.3	18.1	2.0
3	16.0	24.7	19.2	85.3	12.9	17.2	30.1	2.8
4	16.4	25.1	19.6	85.3	1.9	10.6	12.5	3.1
5	16.6	22.2	18.5	88.7	2.9	.7	3.6	1.9
6	15.2	23.0	18.5	92.0	2.6	0.0	2.6	2.0
7	16.4	23.9	18.6	89.3	2.2	0.0	2.2	.8
8	16.0	22.6	18.7	90.3	2.1	0.0	2.1	1.3
9	16.1	22.5	18.7	88.7	0.0	1.5	1.5	.5
10	16.3	24.1	18.8	84.0	11.7	16.6	28.3	2.4
11	15.7	23.0	18.6	85.0	1.0	10.3	11.3	1.7
12	15.6	21.2	18.2	88.7	1.2	0.0	1.2	1.0
13	16.0	23.6	19.4	80.3	0.0	0.0	0.0	1.9
14	13.6	21.6	17.2	87.0	10.7	0.0	10.7	1.4
15	13.3	23.6	18.3	77.3	0.0	0.0	0.0	4.7
16	15.4	21.8	17.8	82.0	2.5	.2	2.7	2.3
17	14.6	23.1	18.6	81.7	0.0	0.0	0.0	3.5
18	13.6	24.4	17.9	87.0	.1	1.6	1.7	3.2
19	16.4	24.7	19.1	84.3	2.1	2.5	4.6	3.2
20	16.6	23.6	19.6	84.7	0.0	0.0	0.0	3.6
21	16.0	23.7	19.4	83.3	0.0	12.0	12.0	3.3
22	15.2	23.2	18.7	86.3	2.4	.1	2.5	3.1
23	16.0	23.6	18.8	87.3	.5	1.4	1.9	3.3
24	16.3	22.0	18.5	86.7	0.0	1.9	1.9	.2
25	16.6	23.5	18.9	87.3	.9	0.0	.9	2.7
26	15.8	25.0	19.3	87.7	.7	1.1	1.8	3.3
27	16.4	22.8	17.8	94.3	15.9	.1	16.0	.3
28	15.5	22.7	18.2	92.0	4.2	0.0	4.2	.2
29	16.0	24.5	19.3	83.7	0.0	0.0	0.0	2.8
30	16.3	24.6	19.6	84.7	0.0	0.0	0.0	4.1
31	16.6	23.5	19.0	86.3	2.3	0.0	2.3	3.3
Total :					99.1	78.2	177.3	73.2
Promedio :	15.8	23.4	18.7	86.2				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.4	22.4	19.2	85.3	0.0	8.8	8.8	0.0
2	16.4	24.0	19.6	83.7	2.7	1.7	4.4	3.4
3	16.0	24.2	19.0	83.7	1.7	0.0	1.7	3.7
4	16.1	24.0	18.9	80.3	0.0	0.0	0.0	3.6
5	15.0	23.0	18.2	87.7	3.0	.7	3.7	.3
6	15.2	23.2	17.6	90.3	2.6	.7	3.3	2.2
7	15.0	25.5	18.8	84.3	12.1	0.0	12.1	2.8
8	14.8	25.2	19.9	83.3	0.0	0.0	0.0	6.7
9	16.6	25.0	19.9	85.3	0.0	0.0	0.0	5.1
10	17.1	22.6	18.1	92.3	2.7	0.0	2.7	.6
11	15.9	25.2	19.6	82.0	21.0	.7	21.7	2.3
12	16.2	23.0	18.7	90.7	.9	.4	1.3	.1
13	16.1	22.7	18.7	87.3	.3	1.5	1.8	0.0
14	16.0	22.6	18.3	84.7	1.3	.2	1.5	1.2
15	16.0	20.9	18.0	90.0	9.7	3.1	12.8	.2
16	16.2	21.6	18.2	90.3	3.9	42.3	46.2	.2
17	15.6	24.0	18.8	86.0	6.2	3.3	9.5	1.5
18	15.1	23.0	18.0	88.0	.7	1.0	1.7	1.5
19	14.2	24.2	18.7	85.0	.2	11.8	12.0	3.7
20	15.3	24.7	18.6	84.7	1.8	0.0	1.8	1.6
21	15.0	23.6	18.4	80.3	1.4	.6	2.0	1.4
22	15.6	22.7	18.5	86.7	0.0	2.5	2.5	.5
23	15.2	23.9	18.8	83.7	7.4	11.7	19.1	1.5
24	15.7	23.0	19.0	86.0	10.3	29.0	39.3	1.0
25	15.0	26.4	19.5	83.0	0.0	0.0	0.0	3.0
26	16.2	23.9	19.8	81.7	0.0	5.3	5.3	4.2
27	15.2	24.0	18.9	85.0	3.5	2.0	5.5	1.1
28	15.0	20.8	17.5	94.0	4.9	2.3	7.2	0.0
29								
30								
31								
Total					98.3	129.6	227.9	53.4
Promedio :	15.6	23.5	18.8	85.9				

Estación : ALBAN
Año : 1999

Dpto. : VALLE
Mpio. : EL CAIRO

Latitud : 4 ° 46 'N
Longitud : 76 ° 11 'W
Altitud : 1500 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.9	22.7	18.2	83.3	.8	0.0	.8	.8
2	14.1	22.4	17.7	86.7	0.0	0.0	0.0	.9
3	14.2	24.2	20.3	82.3	.5	0.0	.5	5.5
4	16.0	23.7	18.8	85.3	2.4	0.0	2.4	3.6
5	15.6	25.5	19.3	82.7	0.0	0.0	0.0	6.7
6	16.0	25.7	20.4	79.7	0.0	.1	.1	6.9
7	17.0	23.9	19.0	85.0	1.1	0.0	1.1	.8
8	15.2	25.2	19.7	79.7	0.0	0.0	0.0	4.6
9	16.6	23.0	19.0	83.0	0.0	0.0	0.0	.2
10	15.2	24.7	19.4	81.7	3.4	0.0	3.4	2.5
11	15.9	27.3	20.7	78.3	0.0	0.0	0.0	6.6
12	16.0	28.6	21.5	74.7	0.0	0.0	0.0	6.2
13	16.6	25.6	19.9	81.0	0.0	0.0	0.0	1.1
14	15.4	25.0	19.4	82.7	3.6	.4	4.0	3.7
15	15.6	23.0	18.5	87.7	0.0	.2	.2	1.1
16	16.1	25.7	19.2	83.3	0.0	0.0	0.0	2.1
17	16.0	25.9	19.5	86.0	.4	20.7	21.1	1.7
18	14.6	22.8	18.7	84.3	0.0	.7	.7	2.4
19	17.0	22.9	18.8	86.7	3.9	8.4	12.3	1.5
20	16.1	23.9	19.1	84.7	1.8	6.6	8.4	1.2
21	15.6	22.4	18.7	85.7	1.3	.6	1.9	.8
22	16.2	25.0	19.7	82.0	0.0	0.0	0.0	2.4
23	16.9	24.8	19.5	85.7	2.1	0.0	2.1	3.5
24	16.8	24.4	19.8	85.3	.7	.3	1.0	1.3
25	15.4	26.0	20.4	84.7	0.0	0.0	0.0	4.6
26	16.6	25.0	21.0	81.3	0.0	3.0	3.0	0.0
27	18.2	24.2	19.4	88.3	.5	2.3	2.8	0.0
28	16.9	22.7	18.6	90.0	5.8	2.1	7.9	.5
29	16.7	24.9	19.4	87.3	.8	0.0	.8	4.0
30	16.7	24.5	19.4	84.0	.4	.4	.8	3.0
31	16.4	26.4	20.5	81.0	.4	0.0	.4	3.9
Total					29.9	45.8	75.7	84.1
Promedio :	16.0	24.6	19.5	83.7				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.2	24.9	19.8	85.3	0.0	0.0	0.0	1.4
2	17.1	26.1	20.9	82.7	.3	49.4	49.7	4.3
3	15.8	18.4	16.9	86.7	3.9	0.0	3.9	0.0
4	13.7	24.8	20.3	79.3	0.0	8.4	8.4	3.0
5	15.6	26.7	19.8	82.3	.2	.4	.6	5.1
6	15.2	25.7	19.9	82.0	0.0	0.0	0.0	5.1
7	16.2	25.0	19.6	84.7	0.0	5.7	5.7	3.1
8	16.4	24.2	19.3	84.7	1.6	1.6	3.2	.9
9	16.0	25.0	19.2	86.0	2.5	0.0	2.5	.1
10	15.2	22.2	17.5	91.7	7.3	5.9	13.2	1.7
11	14.4	25.0	19.7	84.0	0.0	20.6	20.6	5.0
12	15.6	23.7	19.4	85.0	1.5	15.9	17.4	2.1
13	16.0	25.6	20.1	82.0	0.0	2.2	2.2	4.1
14	17.4	25.2	19.6	85.3	8.4	6.9	15.3	2.2
15	16.6	24.6	19.6	86.0	1.0	0.0	1.0	4.2
16	15.8	28.3	20.7	77.3	0.0	0.0	0.0	9.0
17	14.3	25.3	19.6	82.7	0.0	0.0	0.0	8.5
18	14.6	26.7	19.4	82.7	0.0	0.0	0.0	6.2
19	15.0	25.6	20.0	84.7	0.0	0.0	0.0	5.3
20	15.7	24.7	19.1	87.0	10.4	0.0	10.4	3.8
21	15.3	25.4	20.0	84.3	0.0	0.0	0.0	6.7
22	17.0	27.5	21.0	83.7	0.0	.1	.1	8.5
23	17.1	22.0	19.4	89.0	0.0	0.0	0.0	0.0
24	15.2	24.2	17.7	86.3	16.4	8.9	25.3	1.1
25	14.4	25.2	18.9	82.7	9.6	2.7	12.3	2.2
26	15.0	24.7	18.7	85.3	10.5	1.4	11.9	2.7
27	15.2	22.1	18.4	94.0	5.7	.4	6.1	.9
28	16.0	25.2	19.0	85.7	14.9	0.0	14.9	3.4
29	14.5	26.0	19.3	86.0	18.8	15.3	34.1	5.6
30	15.0	21.2	17.5	87.7	.5	0.0	.5	0.0
31								
Total					113.5	145.8	259.3	106.2
Promedio :	15.6	24.7	19.3	84.9				

Estación : ALBAN
Año : 1999

Dpto. : VALLE
Mpio. : EL CAIRO

Latitud : 4 ° 46 'N
Longitud : 76 ° 11 'W
Altitud : 1500 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	12.8	25.2	18.3	85.0	.6	0.0	.6	6.9
2	14.7	22.5	17.3	90.0	1.5	0.0	1.5	1.6
3	15.0	24.4	19.6	85.0	2.6	5.8	8.4	4.0
4	15.8	22.6	18.1	87.0	13.8	1.7	15.5	.1
5	14.0	23.2	17.8	86.0	2.2	3.3	5.5	4.5
6	15.4	24.4	19.0	85.0	1.7	4.9	6.6	3.9
7	15.5	26.5	19.4	82.0	3.9	.1	4.0	4.8
8	16.3	24.6	18.5	90.0	3.8	2.3	6.1	4.0
9	14.2	25.2	17.6	88.3	12.2	5.1	17.3	3.0
10	14.2	24.7	18.1	83.3	0.0	0.0	0.0	7.7
11	14.6	24.6	18.6	79.0	0.0	1.0	1.0	.3
12	14.9	24.3	18.6	85.0	.7	12.5	13.2	6.2
13	15.5	22.5	18.4	85.7	0.0	0.0	0.0	1.5
14	14.2	25.5	19.1	83.0	1.8	0.0	1.8	4.0
15	15.2	24.5	19.0	86.3	.4	0.0	.4	3.1
16	15.0	25.7	19.6	81.7	0.0	0.0	0.0	8.1
17	16.1	25.2	20.0	81.0	4.1	0.0	4.1	6.3
18	15.0	24.0	18.8	84.0	.2	0.0	.2	.1
19	16.0	25.5	19.8	85.7	0.0	0.0	0.0	5.3
20	17.0	25.8	19.8	86.0	18.8	0.0	18.8	4.8
21	14.4	24.9	19.0	85.7	8.5	.2	8.7	6.8
22	16.0	24.6	19.6	85.7	4.6	0.0	4.6	4.6
23	15.9	26.3	20.2	84.3	0.0	0.0	0.0	8.8
24	15.8	26.0	20.4	83.3	0.0	.5	.5	6.9
25	15.4	25.1	19.0	85.3	0.0	17.1	17.1	5.6
26	16.2	25.5	20.0	83.7	0.0	0.0	0.0	7.5
27	15.2	25.2	19.6	83.3	3.1	0.0	3.1	6.9
28	16.0	23.7	19.0	85.7	0.0	0.0	0.0	1.3
29	16.1	25.4	19.5	84.3	0.0	.9	.9	1.9
30	16.6	24.1	19.8	81.0	1.0	0.0	1.0	5.5
31	14.1	28.2	20.8	78.7	.3	4.4	4.7	7.0
Total :					85.8	59.8	145.6	143.0
Promedio :	15.3	24.8	19.1	84.5				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.7	25.0	19.9	84.3	0.0	2.0	2.0	5.1
2	17.4	25.7	20.8	82.7	0.0	0.0	0.0	2.6
3	14.5	26.0	19.3	84.3	2.9	4.5	7.4	6.2
4	15.2	24.0	18.4	87.3	4.9	7.8	12.7	.6
5	15.6	23.8	18.2	86.3	3.3	2.9	6.2	2.8
6	14.5	24.2	18.7	84.7	7.8	0.0	7.8	3.1
7	17.2	24.0	19.2	85.3	3.4	4.4	7.8	2.9
8	16.1	24.6	19.2	85.0	0.0	.2	.2	2.4
9	15.9	26.4	19.7	82.7	11.5	4.2	15.7	6.2
10	15.5	25.1	19.4	87.3	0.0	1.0	1.0	6.7
11	15.7	24.6	19.0	86.0	2.1	0.0	2.1	3.7
12	13.0	27.1	19.5	83.7	0.0	0.0	0.0	6.0
13	16.0	20.0	17.0	97.3	25.0	0.0	25.0	0.0
14	14.0	24.7	18.2	85.3	1.2	0.0	1.2	4.9
15	13.7	24.6	18.7	85.3	1.8	0.0	1.8	4.3
16	16.0	23.1	18.5	87.0	.6	13.1	13.7	.8
17	15.2	24.7	19.4	85.7	0.0	14.5	14.5	6.5
18	15.8	21.7	16.4	95.7	19.3	.1	19.4	.1
19	14.1	23.9	18.2	86.0	0.0	0.0	0.0	6.4
20	16.0	23.6	19.2	87.7	.5	0.0	.5	3.7
21	14.7	22.6	18.2	92.0	.4	.6	1.0	0.0
22	15.6	24.2	19.0	85.7	0.0	0.0	0.0	4.8
23	15.8	25.0	19.1	82.7	0.0	0.0	0.0	3.2
24	14.1	24.7	19.5	78.7	0.0	6.1	6.1	2.8
25	15.0	25.0	19.1	83.7	.1	0.0	.1	4.0
26	14.5	23.5	18.7	84.0	.1	1.1	1.2	2.7
27	15.2	24.7	19.0	80.3	2.6	14.4	17.0	2.3
28	15.0	22.3	17.8	84.0	1.6	0.0	1.6	1.4
29	12.7	25.3	18.6	81.0	0.0	7.8	7.8	5.5
30	15.4	24.8	19.2	82.7	0.0	.9	.9	7.2
31								
Total :					89.1	85.6	174.7	108.9
Promedio :	15.2	24.3	18.8	85.5				

Estación : ALBAN
Año : 1999

Dpto. : VALLE
Mpio. : EL CAIRO

Latitud : 4 ° 46 'N
Longitud : 76 ° 11 'W
Altitud : 1500 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	23.2	18.7	86.3	1.4	7.7	9.1	1.9
2	15.1	24.0	18.8	84.3	1.1	8.2	9.3	2.5
3	15.0	23.3	18.2	84.3	0.0	0.0	0.0	1.8
4	13.5	24.9	19.0	80.3	0.0	.2	.2	7.6
5	15.8	25.3	19.6	83.3	0.0	0.0	0.0	5.7
6	15.4	24.1	19.2	84.3	0.0	1.1	1.1	1.2
7	16.0	24.6	19.2	83.0	.8	22.3	23.1	3.9
8	14.8	26.2	19.7	79.0	0.0	0.0	0.0	4.6
9	16.0	24.2	19.2	83.0	0.0	0.0	0.0	5.5
10	13.0	26.2	19.4	76.3	0.0	0.0	0.0	9.2
11	15.0	23.3	18.7	87.3	0.0	0.0	0.0	7.6
12	15.1	24.7	19.4	83.0	.3	0.0	.3	6.5
13	14.2	27.7	20.4	75.0	0.0	0.0	0.0	8.1
14	14.1	28.0	20.3	75.7	0.0	0.0	0.0	8.3
15	15.2	25.5	19.8	81.3	0.0	0.0	0.0	8.5
16	15.0	24.9	18.8	84.3	.6	0.0	.6	6.2
17	13.2	25.0	18.9	85.3	0.0	0.0	0.0	8.6
18	14.1	27.8	19.4	79.0	0.0	0.0	0.0	7.0
19	15.8	26.0	20.2	83.3	.9	1.9	2.8	6.3
20	15.7	26.1	19.8	82.0	1.0	0.0	1.0	4.5
21	15.9	27.5	20.6	76.0	0.0	0.0	0.0	9.0
22	15.0	26.1	20.1	84.0	0.0	0.0	0.0	3.0
23	15.1	25.2	19.2	84.3	3.1	.2	3.3	4.6
24	14.6	23.8	18.6	84.0	0.0	0.0	0.0	5.5
25	15.1	28.3	20.7	78.7	0.0	0.0	0.0	9.0
26	16.1	26.3	20.3	80.3	0.0	0.0	0.0	5.2
27	15.7	27.8	21.0	79.7	.2	0.0	.2	7.0
28	17.2	26.2	20.6	82.0	0.0	0.0	0.0	4.0
29	16.0	26.6	20.4	79.3	0.0	0.0	0.0	5.9
30	15.0	26.8	20.0	81.7	0.0	0.0	0.0	7.0
31	16.2	25.9	20.4	79.7	0.0	0.0	0.0	5.3
Total :					9.4	41.6	51.0	181.0
Promedio :	15.1	25.7	19.6	81.6				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.3	28.8	20.2	77.3	0.0	2.3	2.3	6.5
2	17.4	24.7	19.8	84.3	0.0	1.0	1.0	5.0
3	15.8	23.9	18.8	81.0	4.5	0.0	4.5	4.8
4	15.4	24.7	19.3	83.7	0.0	0.0	0.0	7.0
5	15.8	25.5	18.9	86.0	0.0	0.0	0.0	5.0
6	15.1	24.8	19.6	82.0	0.0	10.2	10.2	5.8
7	15.7	25.5	19.8	81.3	0.0	.2	.2	8.2
8	16.8	27.8	20.8	78.0	0.0	.2	.2	6.4
9	16.4	26.0	20.2	78.7	0.0	0.0	0.0	4.4
10	13.1	27.0	19.6	80.7	0.0	.6	.6	7.1
11	16.8	24.7	19.7	85.0	1.5	1.5	3.0	6.1
12	15.1	24.0	18.7	87.0	0.0	1.3	1.3	5.8
13	16.2	23.4	18.3	89.7	2.0	3.9	5.9	3.8
14	15.8	23.3	18.7	86.0	.1	15.2	15.3	5.7
15	13.9	25.5	19.2	78.0	0.0	0.0	0.0	5.4
16	15.2	26.8	20.0	79.7	0.0	16.7	16.7	7.3
17	15.0	24.7	18.6	85.3	1.6	0.0	1.6	4.3
18	15.4	25.2	19.8	82.7	0.0	0.0	0.0	4.1
19	13.8	23.6	18.4	84.7	0.0	0.0	0.0	5.5
20	14.6	25.3	18.9	82.7	0.0	7.5	7.5	7.2
21	15.0	19.0	16.6	92.3	12.7	0.0	12.7	0.0
22	13.0	26.9	19.1	77.7	.8	0.0	.8	7.6
23	13.6	24.8	18.5	85.3	2.7	0.0	2.7	5.1
24	14.9	25.4	19.3	83.7	0.0	.1	.1	4.2
25	14.2	23.0	17.8	87.3	32.4	.2	32.6	0.0
26	15.0	25.6	18.5	86.0	30.6	.1	30.7	4.5
27	15.8	23.7	18.8	84.7	11.8	0.0	11.8	1.1
28	15.2	24.0	19.0	86.0	.5	0.0	.5	.4
29	16.1	27.9	20.9	78.3	0.0	0.0	0.0	6.0
30	15.6	27.9	21.0	77.7	0.0	0.0	0.0	5.9
31	14.7	26.2	20.0	81.3	0.0	.4	.4	5.5
Total :					101.2	61.4	162.6	155.7
Promedio :	15.2	25.1	19.3	83.0				

Estación : ALBAN
Año : 1999

Dpto. : VALLE
Mpio. : EL CAIRO

Latitud : 4 ° 46 'N
Longitud : 76 ° 11 'W
Altitud : 1500 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.9	23.0	19.2	85.3	0.0	12.4	12.4	2.3
2	16.0	24.3	19.6	81.7	1.1	5.2	6.3	3.4
3	15.0	25.3	19.1	84.3	2.1	.9	3.0	5.4
4	15.4	23.6	18.7	84.7	10.0	0.0	10.0	3.9
5	15.1	24.6	19.1	85.7	.2	0.0	.2	1.4
6	13.5	25.8	18.6	82.0	34.6	0.0	34.6	4.9
7	13.6	24.5	18.4	86.7	.6	0.0	.6	6.2
8	14.7	24.8	18.2	85.3	.5	3.1	3.6	1.8
9	14.0	24.1	18.4	85.7	2.3	4.5	6.8	5.6
10	15.2	24.4	18.6	83.3	2.8	.8	3.6	1.3
11	16.4	23.8	18.4	88.0	10.2	32.0	42.2	1.3
12	15.0	23.0	18.2	86.0	.3	0.0	.3	2.6
13	13.8	24.0	18.0	84.3	.4	7.6	8.0	2.0
14	15.2	21.9	18.4	86.0	.3	4.1	4.4	0.0
15	15.1	23.7	18.1	89.0	2.1	0.0	2.1	2.0
16	15.5	24.6	19.6	83.7	0.0	13.5	13.5	5.9
17	16.0	22.7	18.0	88.3	6.7	.1	6.8	2.4
18	13.9	24.0	18.5	85.0	0.0	0.0	0.0	7.7
19	14.4	25.0	19.2	84.0	.1	.8	.9	5.6
20	16.4	24.3	18.5	85.7	21.4	0.0	21.4	3.9
21	14.7	24.7	18.2	88.3	17.8	6.1	23.9	4.8
22	14.8	25.2	18.0	82.7	34.4	0.0	34.4	3.4
23	14.2	21.7	17.4	91.7	19.8	.3	20.1	1.0
24	14.5	22.1	17.6	87.0	2.6	.3	2.9	3.4
25	15.1	23.0	18.4	82.7	.2	3.9	4.1	3.0
26	14.3	23.0	18.2	85.0	.2	0.0	.2	3.3
27	15.0	22.2	17.2	92.0	12.9	.2	13.1	.1
28	15.6	21.8	18.0	87.7	1.4	1.9	3.3	0.0
29	15.2	24.9	19.2	80.7	0.0	0.0	0.0	1.3
30	14.6	24.5	19.0	83.0	0.0	0.0	0.0	6.8
31								
Total :					185.0	97.7	282.7	96.7
Promedio :	15.0	23.8	18.5	85.5				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	23.6	18.0	79.7	.4	0.0	.4	2.4
2	14.1	25.5	19.0	82.3	0.0	0.0	0.0	2.8
3	15.7	27.0	19.7	86.3	1.9	4.9	6.8	5.3
4	15.4	25.0	19.2	82.3	1.5	0.0	1.5	4.5
5	14.7	25.5	19.5	81.0	.3	7.1	7.4	4.2
6	15.0	20.9	16.7	92.7	9.8	0.0	9.8	.1
7	13.4	24.2	18.0	85.3	.1	0.0	.1	4.6
8	14.4	25.0	19.4	84.3	0.0	.3	.3	6.0
9	17.4	26.8	19.7	77.0	9.6	0.0	9.6	5.3
10	16.1	23.2	19.2	83.0	.4	.2	.6	3.1
11	15.4	24.6	19.1	85.0	.1	2.9	3.0	4.7
12	16.1	24.2	18.2	88.7	8.7	.3	9.0	4.6
13	15.3	23.8	17.9	90.0	0.0	0.0	0.0	4.9
14	14.6	25.0	19.2	86.7	0.0	0.0	0.0	7.3
15	15.5	24.4	18.6	87.0	1.8	2.9	4.7	2.9
16	15.5	24.9	19.2	84.0	10.5	0.0	10.5	2.3
17	16.0	22.8	18.8	82.7	1.5	0.0	1.5	1.0
18	15.1	24.0	18.8	86.3	0.0	4.6	4.6	5.6
19	15.4	24.9	19.4	84.3	31.8	0.0	31.8	2.9
20	16.3	24.0	18.8	89.0	.5	0.0	.5	1.2
21	16.4	23.7	19.4	83.7	4.3	1.8	6.1	1.9
22	16.0	24.5	18.8	89.7	7.6	.9	8.5	2.6
23	15.9	24.7	20.1	84.0	0.0	0.0	0.0	1.5
24	16.8	24.5	19.4	85.3	7.7	0.0	7.7	2.4
25	16.4	25.3	19.2	83.7	7.0	2.9	9.9	1.5
26	14.8	24.4	19.2	84.0	0.0	9.9	9.9	4.7
27	16.0	23.5	19.0	86.3	0.0	48.5	48.5	1.5
28	15.6	22.1	17.3	93.7	1.7	.3	2.0	1.1
29	15.4	23.0	18.9	86.3	.6	3.6	4.2	4.0
30	16.0	25.0	19.1	86.7	5.2	.6	5.8	2.9
31	17.0	24.2	19.4	85.0	1.0	20.0	21.0	2.3
Total :					114.0	111.7	225.7	102.1
Promedio :	15.6	24.3	18.9	85.4				

Estación : ALBAN
Año : 1999

Dpto. : VALLE
Mpio. : EL CAIRO

Latitud : 4 ° 46 'N
Longitud : 76 ° 11 'W
Altitud : 1500 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.6	22.4	19.2	84.3	0.0	.5	.5	3.9
2	16.1	21.1	18.4	89.7	5.2	.2	5.4	.1
3	15.5	23.9	18.8	88.3	0.0	5.5	5.5	1.6
4	16.4	24.4	19.6	84.3	.5	3.5	4.0	4.6
5	16.2	23.6	19.8	85.0	.6	1.1	1.7	4.0
6	17.2	23.1	18.0	95.7	19.3	8.0	27.3	.8
7	16.2	22.0	18.5	91.0	3.4	0.0	3.4	1.8
8	15.5	22.5	18.5	88.7	.7	0.0	.7	1.9
9	16.4	23.9	19.3	87.7	0.0	0.0	0.0	5.6
10	16.5	24.8	19.9	86.0	0.0	13.2	13.2	5.8
11	16.1	24.3	19.2	87.7	12.2	9.9	22.1	1.0
12	16.0	22.7	18.0	92.7	9.2	0.0	9.2	.9
13	16.5	24.0	18.9	81.0	.9	0.0	.9	1.7
14	14.9	23.6	18.6	86.3	0.0	43.8	43.8	6.1
15	15.2	20.4	17.0	87.3	2.7	0.0	2.7	0.0
16	14.2	23.8	18.5	88.0	0.0	9.3	9.3	3.6
17	15.2	23.6	18.6	88.3	7.0	25.6	32.6	3.2
18	15.2	22.6	17.9	88.7	11.4	1.7	13.1	.7
19	15.4	23.2	18.8	86.0	2.9	0.0	2.9	1.8
20	15.9	20.7	17.2	90.7	14.8	6.9	21.7	.4
21	15.5	21.8	18.1	87.0	4.4	1.2	5.6	1.2
22	16.0	19.1	17.5	95.3	5.7	6.0	11.7	0.0
23	15.6	22.1	17.3	91.7	0.0	44.0	44.0	1.3
24	15.4	20.1	17.1	87.0	2.8	2.1	4.9	.5
25	14.8	22.0	16.8	92.7	5.0	8.0	13.0	1.5
26	15.1	22.9	18.2	85.7	0.0	2.7	2.7	3.3
27	15.4	24.2	19.0	82.0	4.0	0.0	4.0	4.3
28	16.8	24.9	19.3	84.0	0.0	0.0	0.0	5.4
29	16.5	24.4	19.6	81.3	0.0	.1	.1	4.5
30	16.8	22.7	18.9	83.7	2.3	1.6	3.9	1.1
31								
Total					115.0	194.9	309.9	72.6
Promedio	15.8	22.8	18.5	87.6				

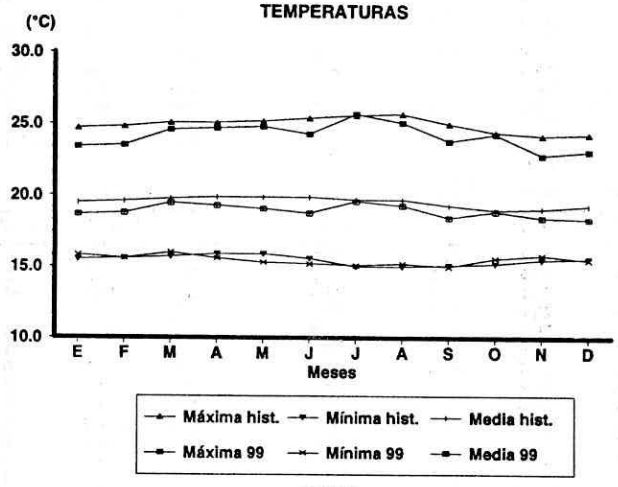
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.2	19.1	16.6	94.0	3.5	1.8	5.3	.1
2	15.1	24.0	17.5	90.7	9.1	1.7	10.8	2.3
3	16.3	22.2	18.5	88.3	1.1	0.0	1.1	.4
4	16.4	23.4	18.9	85.3	.2	23.2	23.4	.8
5	15.3	22.6	17.6	89.7	2.6	.1	2.7	1.5
6	15.1	23.3	18.4	86.3	.5	7.5	8.0	2.5
7	15.7	23.6	19.0	84.3	0.0	1.1	1.1	2.7
8	16.8	23.7	19.3	83.7	0.0	0.0	0.0	5.3
9	15.9	25.7	20.2	82.0	0.0	9.8	9.8	5.4
10	15.9	23.2	18.2	86.3	.3	0.0	.3	1.8
11	16.0	23.2	18.8	86.7	.6	0.0	.6	3.4
12	16.1	21.5	18.1	83.3	2.0	2.3	4.3	.6
13	16.2	23.6	19.0	85.0	0.0	4.0	4.0	2.3
14	16.4	23.9	18.9	85.7	1.3	2.6	3.9	1.6
15	16.0	24.0	18.8	87.0	.9	1.2	2.1	1.0
16	16.4	24.6	18.4	87.3	1.7	.1	1.8	2.7
17	16.2	22.0	18.4	89.0	0.0	0.0	0.0	.7
18	16.3	21.8	18.5	87.3	3.6	.8	4.4	1.9
19	16.0	23.7	19.4	84.7	3.1	6.8	9.9	5.0
20	16.8	23.3	19.4	87.7	6.2	0.0	6.2	3.2
21	16.4	21.2	18.2	95.0	2.0	7.7	9.7	1.0
22	16.0	19.1	17.6	96.3	30.5	1.9	32.4	0.0
23	15.8	22.3	18.0	93.7	3.6	11.3	14.9	1.4
24	15.4	21.4	17.3	95.7	31.1	1.9	33.0	1.0
25	14.6	22.4	17.2	83.7	0.0	0.0	0.0	4.3
26	12.1	25.2	18.4	78.3	0.0	0.0	0.0	5.8
27	13.2	24.4	18.9	78.0	0.0	0.0	0.0	6.7
28	13.1	24.5	18.0	81.0	0.0	0.0	0.0	6.0
29	13.9	24.4	18.0	84.3	0.0	0.0	0.0	3.6
30	14.5	24.1	18.5	83.0	0.0	0.0	0.0	6.8
31	15.8	24.0	19.1	84.0	0.0	3.9	3.9	3.5
Total					103.9	89.7	193.6	85.3
Promedio	15.5	23.1	18.4	86.7				

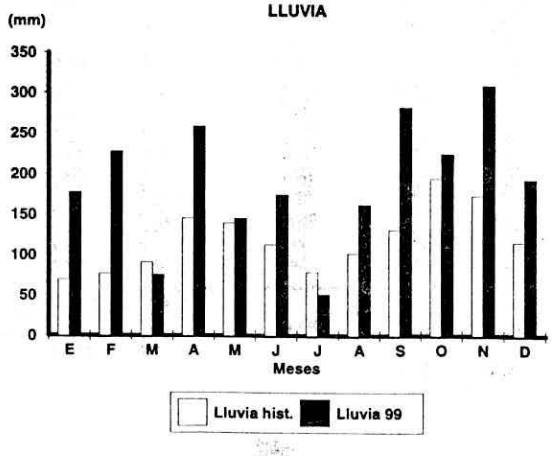
Estación : ALBAN
Año : 1999

Dpto. : VALLE
Mpio. : EL CAIRO

Latitud : 4 ° 46 'N
Longitud : 76 ° 11 'W
Altitud : 1500 m

MES	TEMPERATURA °C					PRECIPITACION			
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	15.8	23.4	18.7	25.1	13.3	86.2	177.3	25	73.2
Febrero	15.6	23.5	18.8	26.4	14.2	85.9	227.9	24	53.4
Marzo	16.0	24.6	19.5	28.6	14.1	83.7	75.7	21	84.1
Abril	15.6	24.7	19.3	28.3	13.7	84.9	259.3	22	106.2
Mayo	15.3	24.8	19.1	28.2	12.8	84.5	145.6	24	143.0
Junio	15.2	24.3	18.8	27.1	12.7	85.5	174.7	25	108.9
Julio	15.1	25.7	19.6	28.3	13.0	81.6	51.0	11	181.0
Agosto	15.2	25.1	19.3	28.8	13.0	83.0	162.6	23	155.7
Septiembre	15.0	23.8	18.5	25.8	13.5	85.5	282.7	27	96.7
Octubre	15.6	24.3	18.9	27.0	13.4	85.4	225.7	27	102.1
Noviembre	15.8	22.8	18.5	24.9	14.2	87.6	309.9	28	72.6
Diciembre	15.5	23.1	18.4	25.7	12.1	86.7	193.6	23	85.3
Promedio :	15.5	24.2	19.0			85.0			
Absoluta :				28.8	12.1				
Total :							2286.0	280	1262.2





Estación : ARTURO GOMEZ
Año : 1999

Dpto. : VALLE
Mpio. : ALCALA

Latitud : 4 ° 40 'N
Longitud : 75 ° 47 'W
Altitud : 1320 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.9	26.2	20.8	81.3	.2	0.0	.2	5.7
2	17.0	25.0	20.6	84.0	.1	0.0	.1	3.1
3	16.2	28.0	20.4	80.7	7.6	.4	8.0	5.6
4	17.8	28.1	20.8	79.3	1.5	7.4	8.9	5.5
5	17.4	26.2	21.2	77.7	0.0	1.9	1.9	4.0
6	17.0	27.4	21.6	77.0	0.0	0.0	0.0	5.3
7	17.8	28.2	21.0	78.7	.1	3.1	3.2	5.8
8	17.2	26.4	20.3	81.0	1.3	0.0	1.3	1.8
9	17.0	26.0	21.2	78.0	0.0	4.1	4.1	2.4
10	16.2	27.1	19.9	82.3	23.0	0.0	23.0	4.1
11	16.0	25.2	20.0	81.7	0.0	.1	.1	1.2
12	16.4	24.4	19.4	86.0	3.7	.3	4.0	1.4
13	15.6	27.0	20.7	74.7	0.0	0.0	0.0	5.0
14	17.2	26.0	20.8	71.0	0.0	0.0	0.0	1.1
15	16.2	27.2	20.2	71.7	0.0	0.0	0.0	7.3
16	15.5	24.1	19.2	78.3	0.0	0.0	0.0	2.9
17	14.8	27.2	21.2	68.3	0.0	0.0	0.0	6.4
18	16.0	28.8	21.2	77.3	1.7	.2	1.9	7.6
19	15.8	26.2	21.0	76.3	0.0	9.2	9.2	2.2
20	17.2	26.0	20.4	83.0	13.0	0.0	13.0	2.5
21	15.2	27.4	20.7	80.3	2.8	5.6	8.4	6.0
22	16.2	25.0	19.3	83.7	16.0	0.0	16.0	2.9
23	16.0	26.0	19.1	82.0	22.0	0.0	22.0	3.6
24	16.0	23.0	19.1	87.3	.4	1.8	2.2	.1
25	17.6	27.4	20.8	82.3	7.4	.6	8.0	2.4
26	17.6	28.0	21.9	78.0	.1	0.0	.1	5.3
27	18.0	27.4	20.4	82.0	1.7	4.3	6.0	3.6
28	17.0	24.8	19.9	82.3	0.0	0.0	0.0	.3
29	16.8	28.2	21.2	80.3	12.0	0.0	12.0	5.7
30	16.4	29.4	22.2	73.3	0.0	0.0	0.0	7.3
31	18.0	28.8	21.2	79.0	9.8	0.0	9.8	5.3
Total :					124.4	39.0	163.4	123.4
Promedio :	16.7	26.6	20.6	79.3				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.5	27.4	21.9	78.7	0.0	0.0	0.0	5.8
2	18.0	27.7	21.8	74.7	2.0	0.0	2.0	5.0
3	17.8	28.2	21.8	78.3	0.0	37.0	37.0	6.0
4	17.4	25.8	21.2	82.0	.2	0.0	.2	1.6
5	16.8	26.6	21.5	79.0	.2	13.8	14.0	1.5
6	17.0	26.0	20.8	78.7	.9	.1	1.0	2.8
7	17.2	27.4	22.0	74.3	0.0	0.0	0.0	3.0
8	16.4	29.2	23.2	73.0	0.0	0.0	0.0	8.0
9	16.6	29.5	22.2	71.3	0.0	0.0	0.0	6.8
10	17.8	23.0	20.6	85.3	0.0	0.0	0.0	.2
11	16.4	27.4	21.6	77.3	9.0	0.0	9.0	4.3
12	16.8	23.0	20.6	87.0	.2	4.8	5.0	.6
13	17.2	24.2	19.0	88.3	1.0	0.0	1.0	0.0
14	16.2	25.2	19.8	92.7	19.0	0.0	19.0	3.6
15	17.0	24.0	19.1	84.0	9.0	0.0	9.0	.1
16	16.0	25.4	19.4	84.3	39.0	0.0	39.0	2.7
17	16.2	23.4	18.8	89.3	13.0	18.0	31.0	.3
18	15.4	25.0	19.5	80.0	6.0	0.0	6.0	4.2
19	16.0	27.0	20.1	81.7	12.0	0.0	12.0	5.4
20	16.4	25.0	19.8	83.7	0.0	0.0	0.0	1.5
21	15.4	26.0	21.0	73.0	6.0	0.0	6.0	5.3
22	16.5	26.8	20.7	84.0	0.0	89.0	89.0	3.9
23	17.2	26.0	20.6	82.0	7.0	23.0	30.0	4.1
24	16.0	25.2	19.8	84.7	5.5	78.5	84.0	2.0
25	15.8	27.4	20.4	82.7	0.0	0.0	0.0	6.3
26	17.2	28.2	20.7	80.3	10.0	29.0	39.0	3.2
27	15.4	26.2	20.2	83.0	.3	10.7	11.0	3.1
28	17.0	25.8	19.4	84.0	14.1	13.4	27.5	1.7
29								
30								
31								
Total :					154.4	317.3	471.7	93.0
Promedio :	16.6	26.2	20.6	81.3				

Estación : ARTURO GOMEZ
Año : 1999

Dpto. : VALLE
Mpio. : ALCALA

Latitud : 4 ° 40 'N
Longitud : 75 ° 47 'W
Altitud : 1320 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	25.2	19.8	79.3	0.0	.2	.2	1.9
2	16.4	26.4	20.4	76.7	0.0	0.0	0.0	3.5
3	16.8	28.2	20.8	77.0	1.9	0.0	1.9	6.0
4	16.9	26.1	20.1	83.0	.4	0.0	.4	3.3
5	16.0	28.2	22.1	71.7	0.0	0.0	0.0	7.2
6	16.8	29.2	21.4	76.0	0.0	0.0	0.0	8.8
7	16.0	28.4	19.4	83.3	1.7	0.0	1.7	6.2
8	15.8	28.6	20.4	80.3	17.0	42.0	59.0	6.5
9	16.9	26.0	20.4	79.3	0.0	0.0	0.0	2.1
10	15.2	28.2	20.0	80.7	3.7	0.0	3.7	7.0
11	15.9	28.6	22.4	76.3	0.0	0.0	0.0	7.3
12	16.4	30.0	23.0	74.3	0.0	0.0	0.0	7.0
13	16.0	27.0	19.8	84.0	34.3	0.0	34.3	1.6
14	15.0	26.8	21.0	82.0	.2	1.1	1.3	2.8
15	18.2	26.1	20.0	84.7	42.0	32.0	74.0	4.0
16	16.7	25.8	20.3	85.0	0.0	0.0	0.0	3.6
17	15.9	27.1	21.6	76.3	0.0	28.0	28.0	3.5
18	16.3	27.2	21.2	76.3	0.0	0.0	0.0	2.7
19	17.2	26.3	20.2	84.3	19.5	30.6	50.1	1.4
20	16.5	27.4	20.6	80.3	0.0	0.0	0.0	3.9
21	16.8	27.0	21.4	77.7	0.0	0.0	0.0	3.7
22	18.0	27.8	22.8	73.7	0.0	.1	.1	3.6
23	17.2	27.8	21.6	82.0	15.0	0.0	15.0	3.8
24	17.8	26.0	21.5	85.0	0.0	0.0	0.0	2.1
25	17.7	29.2	23.1	76.7	0.0	0.0	0.0	4.9
26	17.4	28.6	22.8	76.3	0.0	0.0	0.0	2.3
27	19.2	27.0	22.1	84.0	1.9	.1	2.0	.9
28	18.2	25.6	19.0	97.0	35.0	6.0	41.0	4.0
29	17.4	25.1	21.2	83.0	0.0	0.0	0.0	1.2
30	17.3	28.0	21.4	79.7	0.0	1.0	1.0	3.1
31	17.7	28.2	22.2	75.0	0.0	0.0	0.0	5.7
Total :					172.6	141.1	313.7	125.6
Promedio :	16.8	27.3	21.1	80.0				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	28.0	20.2	82.0	4.8	0.0	4.8	2.4
2	17.1	28.4	22.9	69.7	0.0	15.0	15.0	5.5
3	17.0	23.4	18.5	91.0	0.0	0.0	0.0	.2
4	15.8	27.2	21.8	72.3	13.0	0.0	13.0	2.9
5	15.3	27.6	21.4	79.0	0.0	2.0	2.0	6.7
6	16.2	28.8	22.2	67.3	10.0	8.0	18.0	8.7
7	17.4	29.2	20.7	81.7	13.4	3.9	17.3	3.5
8	18.0	26.8	20.3	82.7	15.0	2.0	17.0	3.7
9	17.4	26.0	20.4	84.3	11.0	0.0	11.0	1.0
10	16.8	25.7	18.8	88.7	30.0	0.0	30.0	1.5
11	16.2	27.0	21.6	76.0	0.0	0.0	0.0	5.2
12	17.2	27.4	21.6	81.7	0.0	2.7	2.7	4.0
13	16.8	26.4	22.0	78.3	0.0	0.0	0.0	2.2
14	18.0	26.0	21.6	86.0	17.0	5.0	22.0	1.4
15	16.6	26.6	20.8	85.0	4.0	0.0	4.0	3.3
16	16.9	28.8	22.4	73.7	0.0	0.0	0.0	7.6
17	15.6	29.7	23.0	68.0	0.0	0.0	0.0	10.2
18	15.8	28.3	21.8	76.0	0.0	0.0	0.0	6.5
19	16.4	28.3	22.3	74.3	0.0	0.0	0.0	6.0
20	17.7	26.8	22.4	72.0	0.0	0.0	0.0	3.3
21	17.0	29.2	22.0	79.7	15.7	0.0	15.7	7.6
22	17.2	29.8	23.8	75.3	.5	4.0	4.5	8.6
23	18.5	25.0	20.4	88.7	9.0	2.1	11.1	0.0
24	17.8	26.8	20.1	85.0	52.4	3.8	56.2	2.2
25	17.0	27.4	20.8	82.3	1.6	4.0	5.6	5.3
26	17.2	26.0	21.7	79.0	.5	68.5	69.0	2.9
27	16.6	23.2	19.5	90.7	1.0	0.0	1.0	0.0
28	17.4	26.4	20.2	90.0	.3	.1	.4	2.1
29	16.6	29.2	20.4	80.0	4.5	25.5	30.0	7.7
30	16.9	22.2	19.0	88.0	5.0	0.0	5.0	0.0
31								
Total :					208.7	146.6	355.3	122.2
Promedio :	16.9	27.1	21.2	80.3				

Estación : ARTURO GOMEZ
Año : 1999

Dpto. : VALLE
Mpio. : ALCALA

Latitud : 4 ° 40 'N
Longitud : 75 ° 47 'W
Altitud : 1320 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.1	28.2	19.8	82.3	4.4	1.2	5.6	6.5
2	17.5	26.0	20.5	83.0	10.9	0.0	10.9	1.4
3	16.8	27.4	22.1	78.3	.4	5.9	6.3	4.6
4	17.2	23.6	20.3	86.3	.6	0.0	.6	.5
5	16.0	26.6	20.3	79.0	1.0	3.1	4.1	5.6
6	17.4	26.8	21.4	79.3	0.0	9.7	9.7	3.8
7	16.6	25.2	20.9	83.3	.2	9.6	9.8	5.4
8	15.8	27.4	20.5	81.7	1.9	0.0	1.9	3.4
9	16.2	26.2	18.4	91.3	9.8	0.0	9.8	2.3
10	16.0	27.2	21.0	81.3	.5	0.0	.5	6.4
11	17.0	24.6	20.3	81.7	0.0	.3	.3	2.2
12	16.2	27.0	20.7	79.3	0.0	9.5	9.5	6.4
13	16.6	24.2	20.2	91.7	.6	0.0	.6	1.8
14	16.4	26.8	22.2	76.7	0.0	0.0	0.0	4.4
15	17.3	26.2	22.2	81.3	0.0	12.0	12.0	3.2
16	18.0	28.8	22.2	78.7	.7	0.0	.7	8.4
17	17.4	29.0	22.8	74.3	0.0	0.0	0.0	8.3
18	17.6	25.5	21.6	82.7	.3	0.0	.3	.8
19	18.0	28.6	21.6	79.3	5.9	0.0	5.9	6.3
20	17.2	27.9	21.6	78.7	0.0	0.0	0.0	5.5
21	17.6	27.5	21.6	80.3	1.7	0.0	1.7	3.6
22	18.6	27.4	21.2	83.7	4.9	0.0	4.9	3.8
23	17.2	30.0	23.2	76.3	0.0	0.0	0.0	9.8
24	17.4	28.4	23.2	76.7	1.7	3.7	5.4	6.7
25	16.3	27.0	20.8	91.0	3.9	0.0	3.9	5.5
26	17.8	29.0	22.7	70.0	0.0	0.0	0.0	9.0
27	17.8	28.6	22.6	77.0	0.0	0.0	0.0	4.9
28	17.2	26.6	22.0	85.0	.4	0.0	.4	1.6
29	18.0	28.2	21.2	82.0	0.0	0.0	0.0	3.2
30	17.4	28.0	23.2	75.3	0.0	0.0	0.0	5.6
31	17.7	29.2	21.5	81.0	22.1	.4	22.5	7.4
Total					71.9	55.4	127.3	148.3
Promedio	17.1	27.2	21.4	80.9				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	27.4	22.5	79.3	0.0	9.6	9.6	6.1
2	17.6	25.4	21.3	85.3	.9	0.0	.9	1.9
3	16.6	27.5	21.9	79.3	.5	0.0	.5	4.5
4	17.7	24.5	19.6	89.3	8.1	1.7	9.8	.7
5	16.6	26.0	20.0	85.3	3.7	6.0	9.7	2.6
6	15.2	25.0	20.4	81.7	.3	0.0	.3	1.2
7	18.0	26.2	20.6	84.7	5.6	3.7	9.3	1.3
8	17.0	25.8	21.0	82.0	.1	1.5	1.6	4.6
9	17.4	28.0	20.2	81.0	26.0	0.0	26.0	6.5
10	15.4	28.6	22.0	79.0	0.0	6.3	6.3	7.4
11	18.2	27.0	22.2	76.0	.4	0.0	.4	3.9
12	16.8	28.0	22.8	78.3	0.0	34.0	34.0	6.5
13	16.9	23.2	19.0	89.7	39.5	3.7	43.2	.1
14	15.6	25.8	20.1	83.7	.2	0.0	.2	3.7
15	15.6	24.6	18.8	90.3	.8	0.0	.8	2.1
16	17.4	25.6	19.4	93.0	5.7	1.2	6.9	2.0
17	15.0	27.8	20.3	81.7	20.0	9.0	29.0	7.9
18	16.6	21.5	19.2	93.3	4.2	0.0	4.2	0.0
19	16.1	27.4	21.6	77.7	0.0	0.0	0.0	4.0
20	17.0	27.6	21.6	83.3	13.0	0.0	13.0	3.7
21	17.2	23.5	20.3	90.3	4.0	0.0	4.0	1.0
22	17.1	26.0	21.5	81.7	0.0	0.0	0.0	4.9
23	17.0	25.4	21.0	83.0	.3	0.0	.3	1.5
24	16.8	27.4	21.4	77.3	0.0	5.3	5.3	3.7
25	16.7	25.8	21.2	82.7	0.0	7.6	7.6	1.9
26	17.5	25.4	20.4	84.0	6.0	15.0	21.0	2.4
27	16.8	26.2	21.3	83.0	2.0	13.0	15.0	3.0
28	17.7	25.4	20.3	80.0	2.5	0.0	2.5	1.3
29	14.2	26.6	20.5	78.3	.7	0.0	.7	5.1
30	16.6	28.8	21.6	76.7	0.0	8.9	8.9	6.3
31								
Total					144.5	126.5	271.0	101.8
Promedio	16.7	26.1	20.8	83.0				

Estación : ARTURO GOMEZ
Año : 1999

Dpto. : VALLE
Mpio. : ALCALA

Latitud : 4 ° 40 'N
Longitud : 75 ° 47 'W
Altitud : 1320 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.4	25.6	20.4	85.0	0.0	.1	.1	1.3
2	17.2	27.0	20.9	80.7	0.0	9.8	9.8	4.1
3	17.0	26.2	20.9	83.0	0.0	.1	.1	2.6
4	16.0	28.2	20.8	78.7	0.0	0.0	0.0	6.3
5	17.4	26.8	21.7	80.3	.9	0.0	.9	7.3
6	16.0	27.0	20.2	77.3	.2	0.0	.2	5.0
7	16.4	26.4	21.2	77.3	.8	0.0	.8	3.8
8	15.6	26.2	21.7	77.3	0.0	0.0	0.0	3.0
9	15.8	28.2	22.0	75.0	0.0	0.0	0.0	5.3
10	16.0	28.8	22.4	74.3	0.0	0.0	0.0	9.3
11	16.1	28.0	21.8	76.0	0.0	0.0	0.0	4.4
12	16.9	28.2	21.6	76.0	.2	0.0	.2	7.8
13	15.0	29.2	23.0	66.3	0.0	0.0	0.0	10.1
14	17.0	29.4	22.6	75.3	0.0	0.0	0.0	9.4
15	16.2	29.6	22.8	71.3	0.0	0.0	0.0	8.9
16	16.8	28.0	22.2	72.0	0.0	0.0	0.0	7.3
17	15.8	29.4	21.6	76.0	0.0	0.0	0.0	7.3
18	16.8	29.0	23.3	70.0	0.0	0.0	0.0	6.2
19	17.5	28.0	22.0	78.0	.4	.1	.5	5.7
20	16.4	27.6	22.4	72.7	0.0	0.0	0.0	6.2
21	17.8	29.8	21.8	77.0	0.0	0.0	0.0	6.4
22	15.9	27.6	21.6	81.3	1.6	0.0	1.6	4.3
23	17.6	27.4	21.5	80.7	1.6	0.0	1.6	3.9
24	16.8	27.0	21.6	76.3	0.0	0.0	0.0	5.1
25	16.9	31.0	23.4	76.3	.6	0.0	.6	7.4
26	16.8	29.0	22.8	77.0	3.7	.6	4.3	5.7
27	18.4	28.6	22.8	79.3	.3	0.0	.3	6.3
28	18.6	29.2	22.8	74.7	0.0	0.0	0.0	5.0
29	17.0	27.6	22.5	73.3	0.0	0.0	0.0	2.6
30	15.6	29.0	22.5	76.3	0.0	.4	.4	7.9
31	17.8	29.2	21.9	77.0	0.0	4.0	4.0	4.1
Total :					10.3	15.1	25.4	180.0
Promedio :	16.7	28.1	22.0	76.5				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.6	30.0	21.3	82.0	5.4	0.0	5.4	7.2
2	16.8	28.0	21.1	78.3	8.9	.5	9.4	7.8
3	16.6	27.4	20.4	83.0	6.4	0.0	6.4	4.7
4	15.4	27.6	22.2	69.3	0.0	0.0	0.0	5.4
5	15.8	28.5	23.2	68.0	0.0	0.0	0.0	6.7
6	15.6	29.0	22.2	76.3	0.0	31.6	31.6	6.9
7	15.4	27.4	20.9	75.3	0.0	0.0	0.0	6.0
8	17.7	28.4	22.2	76.3	0.0	0.0	0.0	6.5
9	17.2	26.8	21.3	77.3	0.0	0.0	0.0	2.0
10	14.8	29.4	22.1	76.3	4.2	0.0	4.2	7.3
11	16.2	28.0	20.8	80.7	18.0	0.0	18.0	5.1
12	16.5	27.6	21.2	80.3	1.2	0.0	1.2	5.9
13	16.8	27.2	20.4	82.0	5.7	.5	6.2	3.2
14	17.0	27.2	20.3	81.0	11.0	10.0	21.0	6.8
15	15.9	28.1	21.3	74.3	0.0	0.0	0.0	6.1
16	15.6	27.8	22.2	76.0	0.0	0.0	0.0	6.0
17	15.9	26.2	21.5	75.0	6.8	0.0	6.8	4.6
18	16.3	28.2	21.6	75.7	0.0	0.0	0.0	4.9
19	15.6	28.0	21.6	73.7	0.0	0.0	0.0	7.3
20	15.4	28.6	22.6	71.0	0.0	0.0	0.0	7.4
21	16.2	22.6	18.0	97.3	18.4	.1	18.5	0.0
22	13.4	27.2	21.2	70.0	0.0	0.0	0.0	7.4
23	13.8	26.4	20.4	81.3	5.4	0.0	5.4	4.5
24	15.2	26.0	22.0	80.0	0.0	0.0	0.0	4.1
25	16.7	23.2	19.5	91.7	3.2	2.1	5.3	0.0
26	16.5	27.8	21.4	73.7	.3	9.4	9.7	4.7
27	17.4	27.5	21.0	82.0	.3	0.0	.3	2.9
28	16.6	26.4	20.4	83.3	1.6	1.2	2.8	2.6
29	16.8	29.0	23.0	74.3	0.0	0.0	0.0	8.9
30	16.6	29.6	22.8	73.3	0.0	0.0	0.0	4.8
31	15.8	29.4	23.0	70.0	0.0	0.0	0.0	7.3
Total :					96.8	55.4	152.2	165.0
Promedio :	16.1	27.6	21.4	77.7				

Estación : ARTURO GOMEZ
Año : 1999

Dpto. : VALLE
Mpio. : ALCALA

Latitud : 4 ° 40 'N
Longitud : 75 ° 47 'W
Altitud : 1320 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	27.6	20.7	82.0	8.0	21.5	29.5	2.5
2	16.2	27.0	21.0	80.3	0.0	0.0	0.0	3.9
3	16.9	26.4	21.3	80.3	0.0	0.0	0.0	2.6
4	15.8	27.0	19.9	88.0	.6	.1	.7	3.4
5	16.1	25.0	19.8	87.7	.3	0.0	.3	.6
6	16.6	27.2	21.2	79.3	6.5	0.0	6.5	5.3
7	16.8	27.8	21.7	77.0	0.0	19.0	19.0	4.0
8	17.0	27.2	19.8	83.0	2.3	6.1	8.4	4.1
9	16.6	26.4	20.1	82.0	16.0	22.0	38.0	2.2
10	16.8	24.0	20.3	86.0	.6	0.0	.6	.6
11	16.9	26.4	19.4	93.3	3.0	15.0	18.0	3.0
12	16.8	23.4	19.2	89.3	4.4	.2	4.6	.4
13	15.8	26.5	19.6	82.3	24.0	34.0	58.0	4.1
14	15.8	21.2	18.0	91.0	.2	0.0	.2	0.0
15	14.7	26.0	20.3	80.0	0.0	0.0	0.0	3.8
16	15.6	27.8	21.5	76.3	0.0	30.0	30.0	5.5
17	16.8	26.0	19.6	84.0	6.7	0.0	6.7	2.4
18	15.0	27.0	21.1	81.3	3.0	0.0	3.0	3.4
19	16.8	28.0	22.8	74.0	0.0	.2	.2	5.9
20	17.0	27.2	20.9	81.7	.2	0.0	.2	5.4
21	16.2	26.8	21.0	81.0	0.0	31.0	31.0	2.1
22	16.6	26.4	21.2	77.3	0.0	.4	.4	2.9
23	15.8	25.0	19.5	84.3	0.0	.4	.4	.8
24	16.6	25.5	20.0	86.3	3.5	10.5	14.0	3.9
25	16.5	25.2	19.4	85.0	7.0	18.0	25.0	1.5
26	15.6	26.5	20.5	80.7	.1	14.0	14.1	3.3
27	16.4	24.2	19.6	85.7	1.1	2.9	4.0	.5
28	16.2	24.0	19.0	83.3	2.0	40.0	42.0	1.5
29	16.0	24.5	20.0	83.0	0.0	0.0	0.0	1.9
30	16.6	27.0	21.2	75.0	0.0	21.3	21.3	4.5
31								
Total					89.5	286.6	376.1	86.0
Promedio	16.4	26.0	20.3	82.7				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	22.2	18.7	91.7	7.8	0.0	7.8	.6
2	15.2	25.4	20.2	81.0	0.0	15.0	15.0	4.7
3	15.6	27.3	19.6	82.3	42.0	5.7	47.7	6.1
4	16.5	26.7	20.6	82.3	0.0	0.0	0.0	2.8
5	16.2	27.2	20.1	81.7	5.1	1.2	6.3	5.0
6	15.2	24.6	18.9	83.7	6.4	0.0	6.4	1.4
7	14.9	27.2	20.2	76.3	0.0	.6	.6	5.4
8	15.7	28.4	21.1	75.3	0.0	0.0	0.0	6.8
9	16.9	27.0	20.4	82.3	3.4	0.0	3.4	5.2
10	16.8	26.3	20.9	79.7	1.6	7.3	8.9	3.7
11	17.2	28.2	21.6	77.0	0.0	0.0	0.0	4.6
12	16.9	26.8	20.5	81.3	10.1	0.0	10.1	4.4
13	15.8	26.3	21.0	79.7	0.0	0.0	0.0	6.5
14	17.0	27.5	21.4	79.3	3.4	1.1	4.5	5.2
15	17.2	26.2	20.8	82.0	5.1	2.0	7.1	3.7
16	16.6	25.5	20.3	82.3	9.5	0.0	9.5	3.0
17	16.3	24.2	19.5	87.3	.2	0.0	.2	1.5
18	15.6	28.0	20.8	79.0	0.0	0.0	0.0	6.3
19	17.0	27.0	21.4	76.0	21.3	.8	22.1	6.1
20	17.8	26.0	20.0	84.0	5.3	7.1	12.4	3.4
21	16.0	25.4	19.7	85.3	2.9	.1	3.0	3.4
22	16.4	26.2	19.5	85.3	0.0	0.0	0.0	3.2
23	17.0	24.2	21.0	80.7	0.0	0.0	0.0	1.3
24	17.2	28.2	21.0	76.7	0.0	20.6	20.6	3.1
25	17.7	26.8	20.4	84.7	20.3	7.1	27.4	2.3
26	16.0	25.5	20.4	81.7	0.0	14.3	14.3	5.0
27	17.1	26.2	20.6	81.7	.1	9.2	9.3	4.1
28	16.9	25.0	19.4	85.7	23.0	0.0	23.0	2.8
29	14.4	25.3	19.3	83.7	23.0	32.0	55.0	4.3
30	16.4	24.2	19.6	87.3	0.0	0.0	0.0	.5
31	15.8	28.0	21.2	78.0	0.0	0.0	0.0	4.3
Total					190.5	124.1	314.6	120.7
Promedio	16.4	26.2	20.3	81.8				

Estación : ARTURO GOMEZ
Año : 1999

Dpto. : VALLE
Mpio. : ALCALA

Latitud : 4 ° 40 'N
Longitud : 75 ° 47 'W
Altitud : 1320 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	27.6	21.6	79.7	0.0	9.5	9.5	3.8
2	17.4	27.4	21.3	81.7	0.0	4.7	4.7	4.4
3	17.7	27.0	21.0	79.7	.5	35.5	36.0	3.6
4	17.4	27.1	20.9	83.3	8.1	1.6	9.7	3.0
5	17.8	27.0	21.2	81.7	0.0	0.0	0.0	4.6
6	17.9	26.6	20.4	87.7	5.4	0.0	5.4	2.8
7	17.8	25.2	20.2	86.3	2.0	4.6	6.6	2.5
8	18.0	27.0	20.5	81.3	6.1	.2	6.3	3.0
9	17.2	28.2	22.1	79.3	0.0	0.0	0.0	5.8
10	17.4	29.2	23.6	72.0	0.0	5.7	5.7	5.7
11	17.8	22.0	19.4	91.7	2.1	0.0	2.1	0.0
12	16.2	26.8	21.2	81.0	.2	2.3	2.5	2.4
13	17.8	28.0	21.5	85.0	.2	0.0	.2	4.5
14	15.9	29.1	21.6	77.0	0.0	2.5	2.5	6.8
15	17.9	24.0	19.4	80.7	0.0	0.0	0.0	.5
16	14.9	27.2	20.9	78.3	0.0	4.3	4.3	7.7
17	16.2	28.0	20.6	78.0	2.3	18.2	20.5	3.0
18	16.9	23.8	20.2	83.7	.2	0.0	.2	.6
19	17.6	26.0	20.8	81.7	0.0	2.2	2.2	.9
20	18.0	25.8	19.8	86.3	4.8	5.0	9.8	1.4
21	16.6	25.0	20.3	83.7	3.4	2.7	6.1	2.5
22	17.4	22.2	18.7	91.3	9.7	0.0	9.7	.1
23	15.6	27.6	19.7	81.7	2.8	3.8	6.6	6.5
24	16.4	26.0	18.8	82.7	4.6	4.1	8.7	4.7
25	15.8	26.2	20.2	78.3	0.0	0.0	0.0	5.5
26	16.4	27.0	21.2	74.7	1.0	.8	1.8	6.5
27	17.2	27.3	21.6	78.7	0.0	0.0	0.0	6.1
28	18.4	28.4	22.4	79.3	0.0	0.0	0.0	4.8
29	17.7	28.4	21.2	78.7	0.0	.2	.2	5.0
30	17.2	26.3	19.7	84.3	16.7	.7	17.4	1.8
31								
Total :					70.1	108.6	178.7	110.5
Promedio :	17.1	26.6	20.7	81.7				

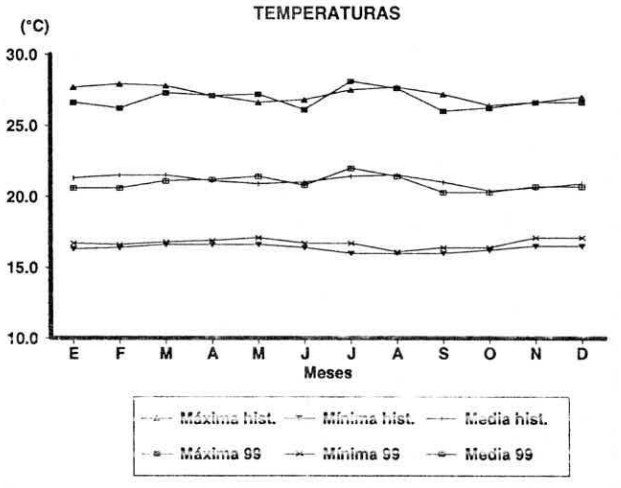
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.3	23.2	18.8	88.3	.6	8.6	9.2	.4
2	15.8	26.4	21.0	80.7	0.0	0.0	0.0	2.2
3	17.2	24.8	21.0	83.0	.1	0.0	.1	.4
4	16.8	25.2	21.2	82.7	.5	22.5	23.0	2.5
5	16.9	25.0	18.8	92.7	9.9	0.0	9.9	2.4
6	17.2	26.2	20.4	81.7	.2	.1	.3	2.6
7	17.2	27.0	20.0	85.7	0.0	0.0	0.0	2.4
8	18.2	28.8	21.3	80.0	16.0	2.0	18.0	5.4
9	17.9	29.4	21.7	80.3	10.9	.3	11.2	7.1
10	17.4	25.8	20.6	85.0	.3	0.0	.3	1.2
11	16.9	27.0	20.9	88.3	3.3	.5	3.8	5.2
12	17.8	25.0	20.0	90.7	7.7	19.3	27.0	1.2
13	18.4	27.2	21.0	82.3	1.0	1.0	2.0	3.4
14	18.0	25.2	20.8	86.0	0.0	23.0	23.0	2.4
15	17.3	25.4	20.7	82.3	.1	9.4	9.5	2.0
16	17.8	25.0	20.8	81.3	0.0	3.1	3.1	1.3
17	17.7	26.4	21.0	79.3	4.3	1.4	5.7	1.5
18	17.8	27.2	20.9	81.0	5.9	1.8	7.7	3.9
19	18.4	28.4	21.3	82.0	0.0	.2	.2	4.3
20	18.9	26.8	21.3	82.3	0.0	33.0	33.0	2.8
21	17.8	26.0	20.8	83.7	4.2	3.8	8.0	5.0
22	18.0	25.4	20.6	89.3	0.0	0.0	0.0	2.1
23	17.0	27.4	20.5	83.0	0.0	.2	.2	4.2
24	17.4	26.5	19.6	82.0	6.0	24.0	30.0	2.8
25	16.0	27.0	20.4	79.3	0.0	0.0	0.0	4.6
26	14.4	27.2	21.2	74.0	0.0	0.0	0.0	8.2
27	15.8	28.0	21.4	76.0	0.0	0.0	0.0	8.1
28	15.5	27.7	21.3	71.3	0.0	0.0	0.0	8.2
29	15.6	28.0	21.7	71.7	0.0	25.8	25.8	8.3
30	15.0	28.4	20.4	78.7	10.7	.3	11.0	8.8
31	16.6	28.0	21.7	77.0	0.0	0.0	0.0	5.2
Total :					81.7	180.3	262.0	120.1
Promedio :	17.1	26.6	20.7	82.0				

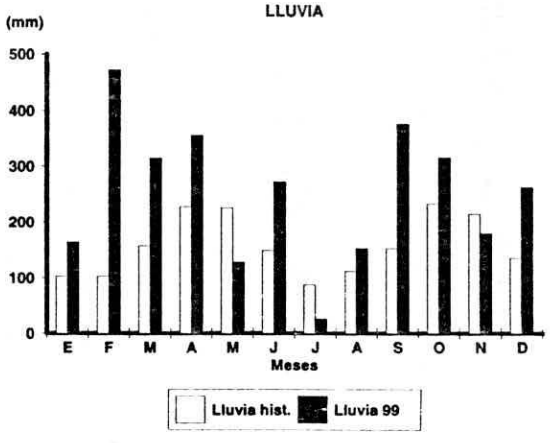
Estación : ARTURO GOMEZ
Año : 1999

Dpto. : VALLE
Mpio. : ALCALA

Latitud : 4 ° 40 'N
Longitud : 75 ° 47 'W
Altitud : 1320 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	16.7	26.6	20.6	29.4	14.8	79.3	163.4	23	123.4
Febrero	16.6	26.2	20.6	29.5	15.4	81.3	471.7	21	93.0
Marzo	16.8	27.3	21.1	30.0	15.0	80.0	313.7	16	125.6
Abril	16.9	27.1	21.2	29.8	15.3	80.3	355.3	22	122.2
Mayo	17.1	27.2	21.4	30.0	15.1	80.9	127.3	23	148.3
Junio	16.7	26.1	20.8	28.8	14.2	83.0	271.0	28	101.8
Julio	16.7	28.1	22.0	31.0	15.0	76.5	25.4	15	180.0
Agosto	16.1	27.6	21.4	30.0	13.4	77.7	152.2	16	165.0
Septiembre	16.4	26.0	20.3	28.0	14.7	82.7	376.1	26	86.0
Octubre	16.4	26.2	20.3	28.4	14.4	81.8	314.6	22	120.7
Noviembre	17.1	26.6	20.7	29.2	14.9	81.6	178.7	24	110.5
Diciembre	17.1	26.6	20.7	29.4	14.4	82.0	262.0	23	120.1
Promedio :	16.7	26.8	20.9			80.6			
Absoluta :				31.0	13.4				
Total :							3011.4	259	1496.6





Estación : VENECIA
Año : 1999

Dpto. : VALLE
Mpio. : CAICEDONIA

Latitud : 4 ° 20 'N
Longitud : 75 ° 50 'W
Altitud : 1170 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.0	27.6	22.9	68.3	0.0	0.0	0.0	3.8
2	18.5	25.6	21.9	76.0	.7	0.0	.7	2.4
3	17.3	29.6	22.3	73.3	6.8	2.5	9.3	6.0
4	19.8	28.3	22.3	74.7	1.1	4.6	5.7	3.8
5	18.0	27.2	21.0	75.3	0.0	0.0	0.0	2.9
6	18.1	28.7	22.4	69.3	0.0	.4	.4	5.6
7	19.0	28.2	23.0	67.7	.1	8.5	8.6	3.6
8	18.7	25.2	22.0	75.7	.2	6.4	6.6	1.5
9	18.1	26.1	21.5	75.0	.5	1.7	2.2	1.4
10	18.7	28.8	20.5	79.3	31.8	25.7	57.5	3.5
11	16.9	25.7	20.7	77.7	0.0	1.6	1.6	2.1
12	18.0	25.1	21.2	73.7	.5	0.0	.5	.9
13	17.0	26.8	22.3	66.0	0.0	0.0	0.0	3.9
14	17.6	26.3	21.6	67.3	0.0	.6	.6	4.9
15	16.8	27.2	20.1	68.7	0.0	0.0	0.0	6.6
16	17.0	26.2	20.2	77.3	5.1	.4	5.5	1.7
17	16.6	28.8	22.2	67.7	0.0	0.0	0.0	6.3
18	17.1	29.3	22.4	66.3	.5	15.6	16.1	7.0
19	16.0	27.9	21.9	69.0	0.0	3.9	3.9	3.0
20	18.2	26.7	21.8	72.7	0.0	0.0	0.0	2.5
21	16.7	28.7	23.4	63.0	0.0	.4	.4	5.6
22	17.6	28.0	22.0	72.7	0.0	0.0	0.0	4.3
23	17.8	28.3	21.9	71.7	.3	0.0	.3	5.1
24	18.1	24.6	21.5	76.3	.2	1.1	1.3	.2
25	18.9	25.2	21.6	76.0	.4	0.0	.4	1.4
26	17.8	29.0	22.2	70.3	0.0	31.9	31.9	3.3
27	17.6	25.2	21.0	71.3	8.0	.2	8.2	2.3
28	16.6	23.2	20.5	79.0	0.0	0.0	0.0	1.3
29	17.1	29.9	22.3	68.0	0.0	0.0	0.0	6.9
30	17.2	30.2	23.7	65.7	0.0	0.0	0.0	7.4
31	18.8	31.0	24.7	64.7	0.0	0.0	0.0	5.0
Total					56.2	105.5	161.7	116.2
Promedio :	17.8	27.4	21.9	71.6				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.9	27.5	22.8	69.3	0.0	2.6	2.6	4.5
2	18.0	24.2	20.8	74.0	.4	0.0	.4	1.4
3	18.1	27.2	21.1	74.7	14.0	.1	14.1	5.8
4	17.8	28.2	21.2	79.3	0.0	0.0	0.0	2.3
5	17.0	26.6	20.6	86.7	8.1	21.4	29.5	2.1
6	17.9	26.4	21.4	81.7	.3	6.9	7.2	3.3
7	18.0	26.9	22.2	77.3	0.0	0.0	0.0	3.8
8	16.5	30.3	23.1	77.7	0.0	0.0	0.0	9.2
9	17.9	30.4	23.8	71.3	0.0	0.0	0.0	8.5
10	18.8	25.4	21.0	92.3	1.3	0.0	1.3	1.6
11	17.1	29.9	21.6	80.0	15.0	0.0	15.0	7.3
12	18.3	26.6	22.4	83.7	0.0	23.9	23.9	1.8
13	16.6	24.8	20.2	86.3	0.0	0.0	0.0	.2
14	17.5	25.9	21.9	79.3	0.0	0.0	0.0	2.9
15	18.4	24.4	19.5	90.3	12.4	.2	12.6	.3
16	17.0	26.9	20.0	82.3	4.7	1.2	5.9	1.9
17	16.8	26.6	20.0	83.3	20.2	10.8	31.0	4.0
18	16.9	26.8	21.2	82.0	0.0	16.6	16.6	3.7
19	17.0	28.7	20.7	79.3	4.8	40.5	45.3	4.4
20	17.1	23.3	20.0	83.7	2.6	0.0	2.6	.4
21	16.0	28.1	19.9	85.7	8.4	20.0	28.4	2.3
22	16.1	25.7	20.8	84.7	.7	0.0	.7	2.1
23	18.0	26.4	21.9	81.0	0.0	11.5	11.5	1.4
24	16.1	25.4	20.8	87.0	0.0	35.6	35.6	.9
25	16.8	25.6	20.2	86.7	0.0	0.0	0.0	1.9
26	16.0	28.1	22.0	81.7	.6	53.0	53.6	5.1
27	16.2	26.9	21.1	83.7	0.0	16.0	16.0	3.3
28	17.7	24.9	20.3	85.3	2.6	13.6	16.2	.2
29								
30								
31								
Total					96.1	273.9	370.0	86.6
Promedio :	17.3	26.7	21.2	81.8				

Estación : VENECIA
Año : 1999

Dpto. : VALLE
Mpio. : CAICEDONIA

Latitud : 4 ° 20 'N
Longitud : 75 ° 50 'W
Altitud : 1170 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.8	25.1	20.6	79.3	0.0	2.0	2.0	1.0
2	17.0	26.6	20.8	82.0	.6	0.0	.6	3.4
3	17.1	27.9	22.4	77.3	0.0	0.0	0.0	5.9
4	16.0	28.1	21.2	84.7	.8	0.0	.8	3.3
5	17.4	30.1	23.6	71.7	0.0	5.8	5.8	8.9
6	18.0	30.8	23.4	76.3	0.0	0.0	0.0	8.8
7	17.0	28.6	20.5	83.0	9.3	0.0	9.3	4.6
8	15.9	29.9	22.7	72.7	0.0	11.5	11.5	6.4
9	17.9	27.1	20.8	84.7	0.0	0.0	0.0	3.2
10	16.9	29.4	21.3	81.3	0.0	0.0	0.0	3.6
11	16.7	29.4	22.2	78.7	0.0	0.0	0.0	5.0
12	16.8	30.0	23.4	74.3	0.0	0.0	0.0	5.5
13	17.2	28.0	20.7	84.0	1.2	0.0	1.2	2.3
14	15.9	28.2	22.5	76.0	.2	16.8	17.0	5.4
15	18.0	27.3	20.2	86.3	5.8	12.4	18.2	3.4
16	17.5	25.0	21.0	84.0	.6	.8	1.4	1.8
17	17.1	26.1	21.5	84.0	0.0	19.8	19.8	3.6
18	16.1	27.0	21.4	82.7	0.0	1.9	1.9	2.5
19	18.0	27.7	20.3	84.7	8.1	14.4	22.5	2.4
20	17.0	27.8	20.6	85.0	4.9	0.0	4.9	2.1
21	16.8	28.1	22.6	79.3	0.0	.2	.2	4.9
22	18.2	28.0	21.8	84.3	.2	1.7	1.9	3.2
23	17.4	28.3	22.8	78.3	0.0	0.0	0.0	3.6
24	18.0	29.2	21.4	84.0	65.3	0.0	65.3	2.9
25	17.0	29.3	23.4	79.0	0.0	0.0	0.0	6.4
26	17.5	29.4	23.2	82.7	0.0	0.0	0.0	2.9
27	19.2	28.6	22.2	85.0	0.0	.7	.7	1.0
28	19.0	28.9	21.4	86.3	1.2	.2	1.4	2.1
29	18.2	26.8	21.5	85.7	0.0	0.0	0.0	3.6
30	17.4	28.4	22.4	81.7	.2	0.0	.2	4.1
31	18.1	30.0	23.4	73.3	0.0	0.0	0.0	6.5
Total					98.4	88.2	186.6	124.3
Promedio	17.3	28.2	21.8	81.0				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.1	29.1	21.8	83.3	14.0	.1	14.1	3.6
2	18.0	29.6	23.8	80.3	0.0	14.6	14.6	5.3
3	18.3	24.5	20.3	92.7	0.0	0.0	0.0	.7
4	17.2	27.5	22.4	80.7	.1	19.7	19.8	2.5
5	17.1	28.7	22.0	80.0	0.0	2.9	2.9	4.4
6	17.0	29.4	23.4	75.3	0.0	0.0	0.0	7.9
7	17.8	29.9	21.3	82.3	55.5	1.0	56.5	5.5
8	16.9	24.2	20.5	91.0	.8	4.1	4.9	.9
9	17.5	25.5	21.0	84.7	1.0	.9	1.9	.2
10	18.4	25.8	20.2	85.3	16.6	1.4	18.0	1.1
11	16.5	26.9	22.1	78.7	0.0	0.0	0.0	4.0
12	18.2	28.9	22.8	78.0	.2	7.4	7.6	4.5
13	17.1	28.3	22.3	79.3	0.0	10.1	10.1	3.3
14	18.5	27.1	21.4	84.0	2.5	.5	3.0	3.9
15	18.8	27.0	21.8	85.7	.3	.7	1.0	3.1
16	17.0	31.0	24.1	66.0	0.0	0.0	0.0	6.9
17	14.9	31.2	23.4	74.3	0.0	0.0	0.0	9.5
18	15.4	29.8	22.6	77.3	0.0	0.0	0.0	7.5
19	17.2	29.0	23.1	76.3	0.0	0.0	0.0	5.2
20	18.1	29.2	23.0	82.7	0.0	0.0	0.0	2.9
21	18.3	29.3	23.3	76.3	0.0	0.0	0.0	4.6
22	17.5	31.9	25.0	71.7	0.0	0.0	0.0	8.8
23	19.0	27.2	22.0	85.0	0.0	0.0	0.0	.6
24	17.5	27.7	20.4	83.7	52.5	1.5	54.0	2.5
25	17.2	25.9	20.8	85.7	.1	1.6	1.7	1.9
26	17.6	27.1	21.1	83.3	.4	1.6	2.0	3.1
27	18.0	25.7	20.3	83.7	1.2	0.0	1.2	1.1
28	16.6	26.6	20.6	86.3	.3	0.0	.3	4.6
29	17.2	30.3	22.7	77.0	0.0	23.3	23.3	7.1
30	17.0	22.0	19.3	87.0	2.0	0.0	2.0	0.0
31								
Total					147.5	91.4	238.9	117.2
Promedio	17.5	27.9	22.0	81.3				

Estación : VENECIA
Año : 1999

Dpto. : VALLE
Mpio. : CAICEDONIA

Latitud : 4 ° 20 'N
Longitud : 75 ° 50 'W
Altitud : 1170 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	29.0	20.8	81.0	0.0	0.0	0.0	7.6
2	17.8	25.6	20.6	85.3	2.0	0.0	2.0	1.3
3	16.2	28.6	22.5	76.3	0.0	32.2	32.2	5.3
4	18.1	24.2	20.2	87.0	0.0	0.0	0.0	0.0
5	16.9	28.9	21.0	82.0	.4	3.5	3.9	5.4
6	17.0	27.5	21.5	82.7	0.0	15.1	15.1	3.8
7	17.1	26.7	20.8	84.7	4.0	19.1	23.1	5.2
8	17.2	27.9	21.4	83.0	1.8	.3	2.1	3.9
9	16.9	26.4	19.5	91.7	6.1	16.3	22.4	1.4
10	16.2	27.8	20.2	85.3	6.1	.2	6.3	5.3
11	16.3	25.5	20.1	89.7	0.0	.8	.8	1.4
12	16.8	26.9	21.6	78.7	0.0	36.9	36.9	4.3
13	17.0	26.2	19.5	92.0	4.7	0.0	4.7	2.3
14	16.4	27.6	21.6	81.7	0.0	0.0	0.0	3.6
15	18.1	28.5	22.6	83.7	0.0	3.0	3.0	4.2
16	17.0	29.4	23.2	79.3	0.0	0.0	0.0	7.8
17	18.4	29.5	22.8	80.0	0.0	0.0	0.0	6.9
18	17.6	27.0	21.6	86.0	0.0	0.0	0.0	1.0
19	18.1	29.4	22.8	79.7	0.0	0.0	0.0	4.2
20	18.5	28.8	23.2	77.0	0.0	0.0	0.0	5.6
21	17.2	29.0	22.8	80.3	0.0	0.0	0.0	5.3
22	17.8	29.3	21.9	84.3	4.0	0.0	4.0	4.8
23	18.7	29.9	23.7	78.7	0.0	0.0	0.0	7.8
24	18.1	30.9	23.7	80.3	.3	0.0	.3	6.3
25	17.4	28.4	21.9	84.7	.2	0.0	.2	3.2
26	18.0	30.8	24.3	72.0	0.0	0.0	0.0	8.8
27	17.7	30.4	22.6	80.3	0.0	.2	.2	4.4
28	18.0	28.9	22.8	86.0	0.0	.1	.1	2.3
29	18.5	29.0	21.8	85.3	2.0	0.0	2.0	3.1
30	18.1	29.9	23.5	75.0	0.0	0.0	0.0	4.9
31	17.6	30.6	22.0	82.3	3.1	0.0	3.1	8.2
Total :					34.7	127.7	162.4	139.6
Promedio :	17.4	28.3	21.9	82.5				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	19.1	29.6	23.2	81.3	0.0	17.6	17.6	4.5
2	19.0	28.1	22.2	85.7	.6	0.0	.6	3.3
3	17.2	29.3	22.8	81.3	1.0	.4	1.4	6.1
4	17.9	25.4	20.8	86.3	2.0	2.9	4.9	.8
5	17.6	27.2	20.8	81.7	0.0	0.0	0.0	2.7
6	17.0	26.2	21.2	85.3	0.0	0.0	0.0	1.7
7	18.3	28.5	21.4	82.0	1.0	21.0	22.0	2.6
8	17.2	27.8	21.4	82.0	1.9	.1	2.0	4.0
9	17.4	28.9	22.1	76.7	0.0	0.0	0.0	6.4
10	15.8	29.8	23.2	79.7	0.0	.4	.4	7.9
11	18.4	27.2	22.6	81.3	0.0	0.0	0.0	2.6
12	15.6	30.0	22.8	77.3	0.0	.1	.1	7.3
13	18.0	24.0	19.5	96.0	21.5	2.0	23.5	1.1
14	17.3	27.3	20.8	82.7	.2	0.0	.2	2.7
15	16.5	27.4	20.8	84.7	3.7	.7	4.4	.8
16	17.2	23.2	20.5	95.3	1.0	9.0	10.0	.4
17	16.0	29.1	22.6	78.0	0.0	14.0	14.0	8.3
18	18.0	23.6	20.2	86.3	0.0	0.0	0.0	.2
19	16.4	29.1	22.1	78.0	0.0	0.0	0.0	7.5
20	18.0	28.5	22.8	84.7	0.0	0.0	0.0	4.0
21	18.6	23.0	20.4	91.3	2.9	0.0	2.9	.2
22	17.8	26.9	21.2	81.7	0.0	0.0	0.0	4.1
23	17.1	24.9	19.9	86.0	.4	0.0	.4	.9
24	15.9	27.0	21.8	76.7	0.0	0.0	0.0	4.7
25	17.3	29.1	21.7	80.7	0.0	1.6	1.6	4.2
26	17.2	25.2	20.3	86.7	19.0	6.0	25.0	1.4
27	17.0	26.1	21.4	78.3	0.0	4.8	4.8	5.0
28	17.2	26.0	19.8	86.0	4.9	0.0	4.9	1.8
29	14.1	28.0	21.0	81.7	0.0	0.0	0.0	6.4
30	16.8	29.5	23.2	74.3	0.0	7.2	7.2	6.8
31								
Total :					60.1	87.8	147.9	110.4
Promedio :	17.2	27.2	21.5	83.0				

Estación : VENECIA
Año : 1999

Dpto. : VALLE
Mpio. : CAICEDONIA

Latitud : 4 ° 20 'N
Longitud : 75 ° 50 'W
Altitud : 1170 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.4	29.2	21.0	83.7	35.1	22.2	57.3	5.6
2	17.0	26.5	21.4	85.3	0.0	0.0	0.0	4.6
3	16.8	28.4	22.0	79.3	0.0	0.0	0.0	5.5
4	17.0	27.0	21.2	33.3	.1	0.0	.1	2.1
5	17.6	25.8	21.0	88.7	0.0	0.0	0.0	1.9
6	16.6	27.7	21.6	84.3	2.6	.8	3.4	5.2
7	16.0	29.2	20.6	82.7	22.3	4.7	27.0	6.7
8	17.6	28.5	21.3	83.3	0.0	1.1	1.1	3.9
9	17.8	26.0	20.7	83.7	8.1	7.6	15.7	1.5
10	17.4	26.1	20.2	92.0	2.2	1.1	3.3	2.5
11	17.9	27.5	21.0	86.7	4.2	9.0	13.2	2.6
12	17.2	24.5	20.0	88.7	0.0	0.0	0.0	1.4
13	16.4	26.5	21.5	81.0	0.0	21.8	21.8	2.9
14	15.4	20.1	18.0	91.0	0.0	0.0	0.0	0.0
15	14.1	27.3	21.6	80.7	0.0	.3	.3	5.2
16	15.2	28.9	21.5	80.7	0.0	6.3	6.3	6.4
17	17.0	25.0	20.2	86.0	1.1	0.0	1.1	1.7
18	15.8	27.2	21.2	81.3	0.0	0.0	0.0	5.4
19	16.0	27.1	21.4	79.0	0.0	0.0	0.0	5.2
20	16.8	28.7	20.9	81.7	9	0.0	.9	5.7
21	17.0	25.4	19.9	85.7	.9	3.1	4.0	1.6
22	17.4	27.0	21.8	77.7	0.0	0.0	0.0	3.4
23	16.2	26.2	20.0	87.0	1.4	10.4	11.8	.5
24	17.0	26.0	20.7	84.7	2.4	6.3	8.7	3.8
25	17.9	25.4	20.0	86.7	16.0	22.0	38.0	2.4
26	16.0	26.5	20.8	81.3	0.0	11.9	11.9	4.7
27	16.6	24.6	19.7	85.7	.2	14.2	14.4	.6
28	17.0	25.6	19.6	86.3	.6	10.4	11.0	1.3
29	16.6	24.9	20.1	83.3	0.0	5.7	5.7	1.9
30	16.1	27.0	20.8	83.3	.2	6.5	6.7	3.6
31								
Total					98.3	165.4	263.7	99.8
Promedio	16.7	26.5	20.7	84.2				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.5	21.4	18.0	94.0	5.9	0.0	5.9	.1
2	15.3	27.9	21.2	82.0	0.0	.1	.1	4.8
3	17.8	29.2	21.2	82.7	35.3	6.9	42.2	5.7
4	17.9	27.3	21.9	77.3	0.0	0.0	0.0	2.5
5	16.5	27.7	20.7	83.3	.4	2.6	3.0	3.0
6	16.8	23.2	18.8	95.3	9.1	0.0	9.1	.5
7	15.4	26.5	20.6	80.3	0.0	1.6	1.6	4.3
8	16.2	29.0	21.9	80.0	0.0	0.0	0.0	7.2
9	17.7	28.5	22.5	79.7	0.0	0.0	0.0	3.9
10	16.9	27.8	21.3	83.7	0.0	.2	.2	3.0
11	17.4	27.2	21.8	82.3	0.0	0.0	0.0	3.8
12	17.1	28.2	21.4	81.3	2.4	.8	3.2	4.2
13	17.8	28.0	22.7	74.0	0.0	0.0	0.0	5.8
14	17.0	27.5	22.5	75.7	0.0	0.0	0.0	3.2
15	16.0	28.8	21.5	79.3	0.0	.2	.2	4.9
16	17.5	26.4	21.1	80.7	.3	1.5	1.8	2.4
17	17.4	25.6	19.8	86.0	.4	0.0	.4	1.8
18	15.1	28.7	21.3	76.7	0.0	18.0	18.0	6.2
19	17.5	27.6	21.4	79.3	0.0	0.0	0.0	4.4
20	18.1	28.1	21.3	84.7	18.5	3.0	21.5	2.3
21	17.5	26.9	21.2	83.3	4.8	2.7	7.5	2.0
22	18.0	26.5	21.6	79.3	.6	7.9	8.5	2.3
23	17.6	26.1	21.0	86.0	1.1	0.0	1.1	4.3
24	17.6	28.6	22.2	81.3	0.0	8.5	8.5	3.9
25	18.4	26.1	20.4	86.0	4.8	.6	5.4	3.7
26	16.6	27.5	21.0	78.0	.1	24.9	25.0	5.3
27	17.1	27.0	20.5	84.3	2.5	14.0	16.5	6.1
28	17.0	24.5	20.0	85.7	.4	.1	.5	2.1
29	16.1	27.5	21.4	79.3	.3	63.7	64.0	6.0
30	16.9	25.4	19.5	86.3	3.1	0.0	3.1	2.2
31	16.1	28.5	21.2	80.3	0.0	11.2	11.2	6.3
Total					90.0	168.5	258.5	118.2
Promedio	17.0	27.1	21.1	82.2				

Estación : VENECIA
Año : 1999

Dpto. : VALLE
Mpio. : CAICEDONIA

Latitud : 4 ° 20 'N
Longitud : 75 ° 50 'W
Altitud : 1170 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	27.0	21.2	85.7	0.0	0.0	0.0	2.9
2	17.3	27.3	21.0	81.3	0.0	.2	.2	4.5
3	18.0	26.0	21.0	85.0	0.0	6.1	6.1	1.5
4	16.6	28.3	21.9	76.3	.2	0.0	.2	5.5
5	16.1	28.2	21.6	79.0	0.0	0.0	0.0	5.6
6	16.4	28.5	20.7	81.7	15.0	0.0	15.0	5.0
7	17.0	27.5	21.0	84.0	7.0	0.0	7.0	5.8
8	17.6	28.0	22.2	81.3	0.0	0.0	0.0	6.1
9	17.2	29.1	22.0	79.7	0.0	0.0	0.0	7.8
10	15.3	29.4	21.9	73.0	0.0	0.0	0.0	9.3
11	15.7	28.8	22.2	80.0	0.0	0.0	0.0	6.0
12	17.5	29.0	22.6	79.7	0.0	0.0	0.0	7.3
13	15.8	30.6	23.0	78.0	0.0	0.0	0.0	9.1
14	17.2	31.5	24.0	73.7	0.0	0.0	0.0	8.9
15	15.7	30.6	21.5	81.0	.6	.1	.7	9.2
16	17.0	30.0	23.0	75.0	0.0	0.0	0.0	7.2
17	16.1	30.6	22.8	74.7	0.0	0.0	0.0	8.1
18	17.4	30.8	23.6	75.7	0.0	0.0	0.0	7.2
19	17.6	29.9	22.9	81.0	0.0	1.0	1.0	4.7
20	17.8	29.4	23.4	75.7	0.0	0.0	0.0	7.4
21	18.8	31.4	23.4	78.0	0.0	0.0	0.0	7.2
22	17.2	28.3	22.8	81.3	0.0	0.0	0.0	5.3
23	18.3	27.8	21.4	85.3	.2	0.0	.2	1.7
24	17.5	28.5	23.1	76.0	0.0	0.0	0.0	5.7
25	16.6	32.2	24.5	73.0	0.0	0.0	0.0	9.4
26	17.2	29.9	23.4	76.3	0.0	0.0	0.0	5.3
27	18.7	30.5	24.0	73.3	0.0	0.0	0.0	7.3
28	18.6	29.9	24.2	74.0	0.0	0.0	0.0	5.3
29	18.2	29.6	23.2	78.0	0.0	0.0	0.0	5.5
30	16.1	30.9	23.6	75.7	0.0	0.0	0.0	8.5
31	18.2	30.3	24.3	71.0	0.0	0.0	0.0	6.9
Total :					23.0	7.4	30.4	197.2
Promedio :	17.2	29.3	22.6	78.2				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.6	31.0	24.2	72.3	0.0	0.0	0.0	7.5
2	16.8	30.7	23.5	70.0	0.0	0.0	0.0	6.0
3	17.1	27.5	20.8	81.3	0.0	0.0	0.0	3.2
4	17.0	29.5	23.2	72.7	0.0	0.0	0.0	5.0
5	16.6	31.0	23.8	71.0	0.0	0.0	0.0	7.3
6	17.8	31.2	21.9	79.7	6.6	9.9	16.5	7.1
7	16.2	27.5	21.1	78.3	0.0	.7	.7	4.0
8	17.8	30.5	23.6	77.0	0.0	0.0	0.0	8.3
9	18.8	29.6	22.8	80.3	0.0	0.0	0.0	4.6
10	16.0	31.1	23.2	75.7	0.0	0.0	0.0	8.5
11	17.2	30.0	23.4	75.7	0.0	13.4	13.4	5.1
12	17.2	29.4	22.0	81.7	0.0	0.0	0.0	5.0
13	18.1	28.1	21.4	82.3	.9	4.5	5.4	3.9
14	18.0	28.4	20.6	85.3	9.9	5.2	15.1	4.1
15	16.4	28.5	21.8	80.7	0.0	0.0	0.0	2.7
16	16.4	31.2	22.2	79.3	.8	4.0	4.8	8.4
17	17.9	28.9	22.2	80.7	0.0	0.0	0.0	6.2
18	16.2	30.2	21.8	84.0	7.6	0.0	7.6	6.5
19	17.1	29.1	22.7	73.3	0.0	0.0	0.0	7.7
20	16.0	29.6	22.6	76.0	0.0	0.0	0.0	6.9
21	16.4	22.4	18.5	95.0	11.8	0.0	11.8	0.0
22	13.4	26.7	20.9	78.0	0.0	0.0	0.0	6.5
23	13.9	27.5	20.4	84.0	7.2	0.0	7.2	5.1
24	16.0	28.1	21.6	83.0	0.0	.4	.4	5.2
25	18.4	24.4	20.4	89.7	8.0	0.0	8.0	.5
26	16.8	28.3	21.3	84.0	0.0	.2	.2	4.2
27	17.9	27.2	21.8	82.3	0.0	0.0	0.0	1.1
28	15.6	27.4	21.5	82.7	0.0	2.9	2.9	3.6
29	17.6	30.9	23.4	76.7	0.0	0.0	0.0	9.7
30	17.2	29.6	23.5	76.3	0.0	0.0	0.0	4.1
31	16.7	30.0	23.4	74.7	0.0	.1	.1	7.5
Total :					52.8	41.3	94.1	165.5
Promedio :	16.8	28.9	22.1	79.5				

Estación : VENECIA
Año : 1999

Dpto. : VALLE
Mpio. : CAICEDONIA

Latitud : 4 ° 20 'N
Longitud : 75 ° 50 'W
Altitud : 1170 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.9	27.1	21.5	82.3	0.0	1.4	1.4	6.1
2	18.4	29.4	22.3	81.0	.4	2.2	2.6	6.5
3	18.1	27.4	21.8	82.0	0.0	7.9	7.9	2.7
4	18.4	26.7	21.7	84.0	1.7	13.1	14.8	4.7
5	18.1	28.4	22.6	80.3	0.0	.1	.1	5.8
6	19.0	28.2	21.7	83.7	3.2	0.0	3.2	4.6
7	17.9	25.5	21.0	83.0	.6	4.1	4.7	2.2
8	17.7	25.6	21.0	84.3	1.1	0.0	1.1	2.0
9	17.8	28.6	22.8	80.3	0.0	0.0	0.0	7.2
10	18.9	30.0	23.3	79.3	.2	3.5	3.7	7.0
11	17.5	22.5	19.6	89.3	23.1	.2	23.3	.5
12	16.9	26.8	21.8	83.0	0.0	17.1	17.1	2.9
13	18.0	27.2	22.0	84.3	2.3	13.6	15.9	3.7
14	17.0	28.8	21.9	82.3	0.0	6.1	6.1	7.8
15	17.4	24.1	19.2	91.3	0.0	0.0	0.0	1.1
16	14.9	27.5	20.9	79.0	0.0	0.0	0.0	9.8
17	17.3	28.5	22.3	77.0	0.0	28.2	28.2	6.1
18	16.9	24.3	20.4	86.0	0.0	1.9	1.9	1.3
19	17.8	24.0	21.2	85.7	0.0	.7	.7	1.4
20	18.0	25.0	19.7	91.0	11.4	10.5	21.9	1.6
21	16.9	25.2	19.6	86.7	15.4	6.9	22.3	3.5
22	17.5	23.8	20.4	87.7	1.5	.7	2.2	.1
23	17.4	28.0	20.8	78.3	1.9	6.2	8.1	7.2
24	15.8	27.5	19.6	81.7	5.0	.8	5.8	4.8
25	17.0	27.1	20.9	81.0	4.4	2.0	6.4	3.8
26	17.1	28.1	21.9	77.3	0.0	5.0	5.0	6.7
27	17.9	27.6	22.3	81.3	0.0	0.0	0.0	5.6
28	18.3	29.4	23.2	75.0	0.0	0.0	0.0	6.8
29	17.8	28.4	22.6	73.7	0.0	.8	.8	6.7
30	17.8	26.0	20.1	85.7	11.6	.7	12.3	1.7
31								
Total					83.8	133.7	217.5	131.9
Promedio	17.6	26.9	21.3	82.6				

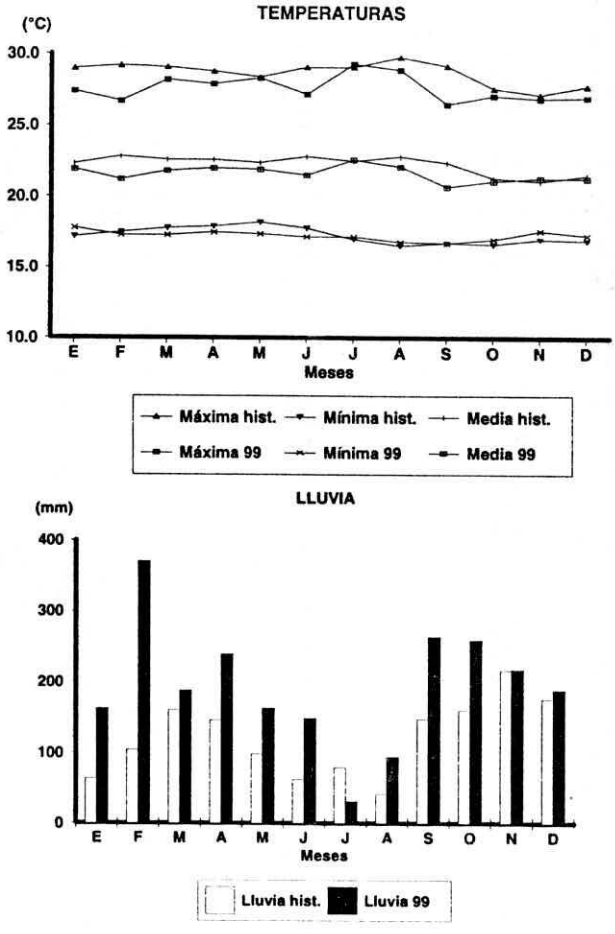
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	23.5	18.4	95.0	25.1	5.3	30.4	.3
2	17.2	26.2	21.5	78.0	0.0	1.1	1.1	4.1
3	18.1	24.4	20.8	87.3	0.0	0.0	0.0	0.0
4	17.6	25.6	21.0	85.0	0.0	24.2	24.2	.6
5	17.8	25.0	20.3	85.3	11.5	0.0	11.5	1.9
6	17.5	25.7	21.2	81.7	.5	1.6	2.1	3.1
7	17.7	28.6	21.8	83.7	0.0	0.0	0.0	4.4
8	17.1	28.1	23.2	77.7	0.0	0.0	0.0	6.0
9	18.4	29.9	22.5	83.3	6.4	3.2	9.6	6.9
10	18.3	26.3	21.2	86.0	0.0	0.0	0.0	2.1
11	16.9	28.6	21.2	85.0	.3	.1	.4	5.2
12	18.1	24.2	21.2	86.7	.8	7.2	8.0	.7
13	17.4	27.2	21.1	85.0	.4	0.0	.4	3.1
14	18.0	26.5	21.3	84.0	0.0	25.0	25.0	1.9
15	17.8	26.4	21.3	83.7	0.0	7.4	7.4	3.3
16	18.1	25.7	21.2	83.7	0.0	3.8	3.8	1.4
17	18.0	26.5	21.7	81.7	0.0	28.2	28.2	2.2
18	17.7	27.3	21.3	83.0	1.0	3.9	4.9	4.2
19	18.3	27.0	22.1	80.3	0.0	8.2	8.2	3.7
20	18.2	28.9	21.8	81.3	0.0	4.7	4.7	5.1
21	19.0	27.8	22.0	83.3	0.0	13.9	13.9	4.3
22	18.0	26.6	20.9	87.3	.5	0.0	.5	1.9
23	17.5	27.1	21.5	82.3	.3	0.0	.3	5.2
24	17.0	27.9	21.0	80.7	1.1	2.3	3.4	5.0
25	16.8	26.2	20.7	80.0	0.0	0.0	0.0	4.9
26	14.3	28.1	21.3	75.7	0.0	0.0	0.0	8.3
27	15.8	29.0	21.8	74.0	0.0	0.0	0.0	8.5
28	16.2	28.1	21.4	75.3	0.0	0.0	0.0	8.3
29	15.2	27.7	21.2	72.7	0.0	0.0	0.0	5.7
30	15.1	28.7	21.2	74.7	0.0	0.0	0.0	7.3
31	16.0	29.5	22.4	73.7	0.0	0.0	0.0	7.9
Total					47.9	140.1	188.0	127.5
Promedio	17.3	27.0	21.3	81.8				

Estación : VENECIA
Año : 1999

Dpto. : VALLE
Mpio. : CAICEDONIA

Latitud : 4 ° 20 'N
Longitud : 75 ° 50 'W
Altitud : 1170 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	17.8	27.4	21.9	31.0	16.0	71.6	161.7	20	116.2
Febrero	17.3	26.7	21.2	30.4	16.0	81.8	370.0	21	86.6
Marzo	17.3	28.2	21.8	30.8	15.9	81.0	186.6	20	124.3
Abril	17.5	27.9	22.0	31.9	14.9	81.3	238.9	19	117.2
Mayo	17.4	28.3	21.9	30.9	15.0	82.5	162.4	19	139.6
Junio	17.2	27.2	21.5	30.0	14.1	83.0	147.9	20	110.4
Julio	17.2	29.3	22.6	32.2	15.3	78.2	30.4	8	197.2
Agosto	16.8	28.9	22.1	31.2	13.4	79.5	94.1	14	165.5
Septiembre	16.7	26.5	20.7	29.2	14.1	84.2	263.7	22	99.8
Octubre	17.0	27.1	21.1	29.2	15.1	82.2	258.5	24	118.2
Noviembre	17.6	26.9	21.3	30.0	14.9	82.6	217.5	25	131.9
Diciembre	17.3	27.0	21.3	29.9	14.3	81.8	188.0	20	127.5
Promedio :	17.3	27.6	21.6			80.8			
Absoluta :				32.2	13.4				
Total :							2319.7	232	1534.4



Estación : LA SIRENA
Año : 1999

Dpto. : VALLE
Mpio. : SEVILLA

Latitud : 4 ° 17 'N
Longitud : 75 ° 55 'W
Altitud : 1540 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.6	25.4	19.1	87.0	0.0	0.0	0.0	4.1
2	16.0	24.0	19.1	89.0	.5	0.0	.5	2.6
3	15.0	24.4	18.6	87.0	31.1	.1	31.2	3.8
4	15.7	24.4	18.8	87.3	21.2	1.0	22.2	2.0
5	16.3	23.1	18.4	89.3	0.0	0.0	0.0	1.7
6	16.0	25.0	19.7	84.0	0.0	0.0	0.0	2.4
7	17.0	24.9	20.0	83.3	.4	8.7	9.1	1.9
8	16.1	22.5	19.2	87.3	.2	21.3	21.5	.5
9	15.7	22.8	18.8	90.3	6.2	2.8	9.0	1.5
10	16.0	24.8	18.1	85.7	11.9	21.4	33.3	3.4
11	14.8	23.9	18.6	89.0	0.0	.8	.8	1.8
12	15.2	21.0	17.6	90.3	.6	0.0	.6	.5
13	15.0	23.0	18.9	83.7	0.0	0.0	0.0	1.7
14	15.0	23.5	18.9	80.7	0.0	0.0	0.0	3.8
15	14.8	23.8	17.3	86.3	0.0	0.0	0.0	3.2
16	15.0	21.4	17.6	88.3	2.3	0.0	2.3	.5
17	14.8	23.6	19.2	80.3	0.0	0.0	0.0	3.4
18	15.0	25.6	19.8	81.3	0.0	3.8	3.8	3.8
19	15.1	24.0	19.5	84.0	0.0	2.0	2.0	.9
20	16.2	23.0	19.4	88.0	.5	0.0	.5	1.6
21	16.0	24.4	19.5	85.7	2.1	0.0	2.1	2.0
22	16.1	22.8	19.8	86.7	0.0	0.0	0.0	1.3
23	17.0	24.6	19.2	88.0	6.2	0.0	6.2	2.2
24	16.4	21.6	18.4	92.0	.5	.6	1.1	.3
25	16.8	23.6	19.4	88.0	0.0	.6	.6	.7
26	16.2	25.4	19.6	85.3	0.0	.4	.4	2.7
27	16.0	24.2	18.4	90.3	5.7	0.0	5.7	2.4
28	15.2	22.0	18.3	91.3	0.0	0.0	0.0	.7
29	16.4	25.6	19.6	86.0	1.5	0.0	1.5	5.0
30	16.2	25.4	20.2	83.0	0.0	0.0	0.0	4.4
31	16.4	25.0	20.3	84.3	0.0	0.0	0.0	2.3
Total :					90.9	63.5	154.4	69.1
Promedio :	15.8	23.8	19.0	86.5				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	25.2	20.2	82.7	.2	.4	.6	3.4
2	16.6	23.8	19.2	80.0	0.0	0.0	0.0	1.0
3	17.0	25.4	19.4	86.0	2.7	1.4	4.1	4.3
4	16.4	22.2	18.9	91.0	0.0	0.0	0.0	1.9
5	16.0	24.0	18.2	89.3	14.5	27.5	42.0	1.5
6	15.0	25.0	19.3	86.7	3.9	3.5	7.4	3.1
7	16.0	24.1	20.0	82.3	0.0	0.0	0.0	2.2
8	16.8	25.8	20.4	81.7	0.0	0.0	0.0	5.9
9	17.0	26.2	20.6	81.3	0.0	0.0	0.0	5.4
10	17.4	21.0	18.6	95.3	15.1	0.0	15.1	1.0
11	16.1	25.0	19.4	86.3	0.0	2.7	2.7	3.2
12	16.8	22.5	19.1	89.7	2.7	19.2	21.9	.4
13	15.0	21.8	17.9	86.0	1.3	0.0	1.3	.1
14	15.6	22.6	19.1	88.3	.3	0.0	.3	2.6
15	15.0	20.0	17.1	97.3	10.2	0.0	10.2	.1
16	15.0	22.2	17.2	92.7	1.8	3.7	5.5	.4
17	14.4	21.6	18.2	91.3	2.8	20.2	23.0	2.7
18	14.0	22.2	17.8	88.7	0.0	14.4	14.4	3.0
19	15.2	22.8	18.0	87.7	1.6	22.9	24.5	2.2
20	14.4	19.2	16.8	94.3	2.4	0.0	2.4	.1
21	15.0	23.2	17.4	87.3	13.9	21.3	35.2	2.9
22	13.6	20.6	17.5	89.3	8.5	1.3	9.8	.6
23	15.2	21.4	18.4	87.0	1.3	18.0	19.3	.4
24	14.5	22.0	17.8	93.3	.5	26.5	27.0	1.7
25	14.3	22.1	18.2	87.0	0.0	0.0	0.0	.9
26	15.4	24.0	18.9	87.7	5.5	21.6	27.1	2.3
27	14.9	22.8	18.7	88.7	0.0	2.9	2.9	1.8
28	15.0	20.7	17.2	95.3	8.9	15.4	24.3	.1
29								
30								
31								
Total :					98.1	222.9	321.0	55.2
Promedio :	15.5	22.8	18.6	88.4				

Estación : LA SIRENA
Año : 1999

Dpto. : VALLE
Mpio. : SEVILLA

Latitud : 4 ° 17 'N
Longitud : 75 ° 55 'W
Altitud : 1540 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.0	21.6	17.8	88.0	0.0	0.0	0.0	1.3
2	15.2	23.0	18.1	89.7	1.7	0.0	1.7	.7
3	15.7	24.1	19.8	82.0	0.0	15.3	15.3	4.5
4	15.5	24.5	19.1	88.3	.1	0.0	.1	2.9
5	16.2	26.0	20.0	83.3	0.0	.1	.1	7.4
6	16.0	25.4	20.7	80.7	0.0	0.0	0.0	5.5
7	16.1	24.5	19.0	79.3	4.4	0.0	4.4	3.5
8	15.8	25.0	19.2	86.3	9.5	2.5	12.0	3.2
9	16.2	22.0	18.2	90.0	40.7	0.0	40.7	1.0
10	15.0	24.0	18.5	85.3	24.2	0.0	24.2	1.5
11	15.8	24.3	20.2	82.3	0.0	0.0	0.0	2.4
12	16.5	26.3	21.0	84.7	0.0	0.0	0.0	4.0
13	17.0	23.5	19.6	82.3	5.7	0.0	5.7	1.7
14	16.0	24.1	20.1	83.7	0.0	3.7	3.7	2.9
15	16.6	22.0	18.2	92.0	1.6	10.7	12.3	2.7
16	15.2	22.2	18.7	87.0	0.0	.2	.2	1.2
17	16.0	21.3	19.2	86.7	0.0	15.7	15.7	1.5
18	14.7	22.5	18.8	89.0	.3	1.0	1.3	.9
19	16.0	21.8	18.1	92.0	29.1	3.4	32.5	.6
20	15.0	23.3	19.2	87.7	0.0	0.0	0.0	1.2
21	14.9	23.4	19.6	87.3	0.0	.1	.1	2.0
22	16.0	23.4	19.7	83.7	.6	0.0	.6	1.7
23	16.7	24.2	20.2	83.0	0.0	0.0	0.0	1.0
24	16.9	25.0	20.0	85.3	1.1	0.0	1.1	1.1
25	16.2	26.7	21.3	83.0	0.0	0.0	0.0	3.6
26	17.0	25.2	21.3	84.3	0.0	0.0	0.0	1.8
27	17.7	24.2	20.0	87.7	.2	1.0	1.2	.4
28	16.9	23.7	18.8	87.0	1.5	.7	2.2	1.0
29	16.3	23.2	19.4	89.0	.3	0.0	.3	3.0
30	16.8	24.0	20.0	86.3	1.7	6.4	8.1	1.7
31	16.4	25.8	20.4	84.0	.8	0.0	.8	3.1
Total :					123.5	60.8	184.3	71.0
Promedio :	16.0	23.9	19.5	85.8				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.5	24.8	20.1	89.0	1.6	0.0	1.6	1.2
2	17.0	25.0	21.2	84.0	0.0	30.9	30.9	2.7
3	15.9	22.0	17.6	95.0	0.0	0.0	0.0	1.0
4	15.7	24.8	20.2	82.7	0.0	6.7	6.7	2.9
5	15.0	25.3	19.4	87.3	0.0	4.5	4.5	3.8
6	15.6	24.9	20.1	83.3	0.0	0.0	0.0	3.2
7	16.4	25.2	19.2	87.7	34.8	2.6	37.4	2.9
8	16.0	22.3	17.8	93.7	4.3	4.5	8.8	1.2
9	15.8	22.1	18.8	87.7	.8	13.6	14.4	.3
10	15.5	20.0	17.1	96.7	17.4	1.3	18.7	0.0
11	14.2	24.1	19.2	83.0	0.0	0.0	0.0	2.8
12	16.7	24.0	19.8	90.7	0.0	35.6	35.6	1.2
13	15.1	24.9	19.6	87.3	0.0	.9	.9	3.7
14	17.0	23.2	19.6	90.3	2.2	.6	2.8	1.6
15	16.7	24.0	19.8	88.0	0.0	0.0	0.0	1.8
16	16.0	25.3	21.7	73.7	0.0	0.0	0.0	7.7
17	15.9	27.6	21.4	77.0	0.0	0.0	0.0	8.1
18	15.8	25.9	21.3	78.0	0.0	0.0	0.0	5.6
19	17.1	24.8	20.8	84.0	0.0	0.0	0.0	4.2
20	17.0	24.5	21.2	84.0	0.0	0.0	0.0	1.9
21	16.9	24.6	21.4	81.7	0.0	0.0	0.0	2.5
22	17.0	27.7	21.4	80.0	0.0	0.0	0.0	7.0
23	17.7	23.2	19.4	91.7	16.6	.3	16.9	.5
24	16.0	22.0	18.2	90.3	24.0	2.7	26.7	1.4
25	15.0	21.5	18.4	89.3	1.3	13.7	15.0	1.6
26	15.7	22.5	17.6	93.7	13.2	.3	13.5	1.1
27	15.2	22.0	17.7	88.7	1.9	0.0	1.9	1.0
28	15.0	23.4	17.8	90.7	5.2	0.0	5.2	3.7
29	16.0	25.7	19.3	86.3	3.3	3.7	7.0	4.9
30	14.8	19.2	16.6	93.0	1.6	0.0	1.6	.5
31								
Total :					128.2	121.9	250.1	82.0
Promedio :	16.0	23.9	19.5	87.0				

Estación : LA SIRENA
Año : 1999

Dpto. : VALLE
Mpio. : SEVILLA

Latitud : 4 ° 17 'N
Longitud : 75 ° 55 'W
Altitud : 1540 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.4	24.5	18.6	81.0	8.4	.3	8.7	6.3
2	16.0	21.7	18.4	88.0	9.9	0.0	9.9	1.5
3	15.5	24.6	19.0	87.3	3.7	14.1	17.8	2.0
4	16.0	23.0	18.1	89.7	13.7	0.0	13.7	.1
5	16.7	25.6	19.5	82.0	2.7	8.9	11.6	4.4
6	15.4	23.0	19.4	86.0	.2	19.9	20.1	2.0
7	15.0	23.8	19.0	88.3	1.4	5.2	6.6	4.3
8	16.0	23.0	18.8	88.3	.7	.1	.8	1.4
9	15.6	22.7	17.9	88.0	2.5	6.6	9.1	.9
10	14.9	24.7	18.9	84.7	2.6	0.0	2.6	4.1
11	16.5	21.4	18.8	87.0	.2	.9	1.1	2.0
12	15.2	23.4	19.3	81.3	0.0	25.6	25.6	2.0
13	15.0	22.2	18.0	86.3	.5	.1	.6	1.1
14	16.2	23.9	20.4	80.0	.4	0.0	.4	3.7
15	17.4	25.3	20.2	80.3	.3	0.0	.3	3.1
16	16.4	25.6	20.2	78.0	0.0	.3	.3	4.9
17	17.0	25.4	20.7	81.0	0.0	0.0	0.0	3.9
18	17.1	22.4	18.9	91.7	2.3	0.0	2.3	.7
19	17.0	24.2	20.4	87.0	0.0	0.0	0.0	5.8
20	17.8	24.0	20.0	84.3	1.5	0.0	1.5	2.6
21	16.2	25.0	20.0	80.3	0.0	0.0	0.0	2.7
22	17.2	25.8	20.0	84.0	3.0	0.0	3.0	3.1
23	18.1	27.1	21.7	80.3	0.0	0.0	0.0	7.0
24	17.8	26.9	21.7	78.7	0.0	0.0	0.0	5.5
25	17.0	24.4	20.3	85.3	.2	0.0	.2	2.6
26	17.3	27.2	20.6	80.3	0.0	.2	.2	5.8
27	17.2	26.0	21.0	81.7	0.0	0.0	0.0	2.8
28	17.4	24.6	20.8	86.0	0.0	0.0	0.0	1.4
29	17.8	24.2	19.8	86.0	.8	0.0	.8	3.1
30	17.6	24.5	20.3	81.3	1.4	0.0	1.4	1.6
31	17.5	27.0	20.8	84.0	0.0	.7	.7	5.0
Total					56.4	82.9	139.3	97.4
Promedio	16.5	24.4	19.7	84.1				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.8	24.4	20.5	85.0	0.0	4.1	4.1	2.0
2	16.6	24.0	20.1	87.0	1.0	0.0	1.0	1.6
3	17.2	26.1	20.5	81.7	0.0	.5	.5	3.5
4	16.0	23.6	17.6	93.3	6.0	3.9	9.9	.8
5	15.8	23.4	18.4	90.3	11.0	0.0	11.0	2.1
6	16.5	22.0	19.4	86.3	0.0	1	1	1.4
7	16.8	25.0	18.3	88.0	9.8	38.6	48.4	1.8
8	16.0	23.0	19.0	89.0	1.8	.2	2.0	2.0
9	16.4	24.8	20.0	79.7	11.8	6	12.4	7.4
10	15.6	26.6	20.6	80.7	0.0	24.0	24.0	8.2
11	17.2	23.0	20.1	84.3	0.0	0.0	0.0	1.2
12	16.4	26.2	19.8	80.0	8.5	0.0	8.5	5.3
13	17.0	22.8	17.8	95.3	16.0	1.8	17.8	.2
14	15.4	23.2	18.8	89.7	1.5	0.0	1.5	2.3
15	16.0	23.0	18.6	87.7	2.5	.1	2.6	1.6
16	15.6	22.0	18.9	91.7	1.4	15.9	17.3	1.8
17	15.1	24.2	19.0	86.3	9.3	10.3	19.6	6.6
18	16.0	20.7	17.3	93.0	1.8	0.0	1.8	0.0
19	15.1	26.2	19.8	85.7	0.0	0.0	0.0	5.9
20	17.0	24.3	20.0	84.0	0.0	0.0	0.0	1.6
21	17.4	20.6	18.5	92.0	14.8	0.0	14.8	0.0
22	16.8	23.7	18.5	95.3	4.3	0.0	4.3	3.1
23	16.0	22.8	18.8	84.3	.8	0.0	.8	1.1
24	16.4	24.2	19.7	86.0	0.0	2.4	2.4	2.2
25	15.8	24.3	19.5	84.0	2.8	2.4	5.2	3.1
26	16.2	23.8	18.8	87.0	4.2	4.3	8.5	3.1
27	15.4	23.7	18.3	87.0	1.3	22.9	24.2	5.2
28	16.0	22.5	17.6	89.3	2.8	0.0	2.8	.9
29	14.9	24.3	19.4	82.7	0.0	0.0	0.0	2.7
30	16.2	26.2	20.2	82.7	0.0	8.2	8.2	6.7
31								
Total					113.4	140.3	253.7	85.4
Promedio	16.2	23.8	19.1	87.0				

Estación : LA SIRENA
Año : 1999

Dpto. : VALLE
Mpio. : SEVILLA

Latitud : 4 ° 17 'N
Longitud : 75 ° 55 'W
Altitud : 1540 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.3	22.6	18.6	89.7	0.0	0.0	0.0	.6
2	16.2	23.8	18.0	93.3	12.1	.1	12.2	3.7
3	15.5	22.6	18.3	90.7	0.0	4.0	4.0	1.5
4	15.0	25.3	19.0	85.7	.2	0.0	.2	5.2
5	16.0	25.4	19.8	77.0	1.5	0.0	1.5	4.8
6	16.2	25.2	19.4	82.7	0.0	0.0	0.0	4.2
7	16.2	24.0	18.9	88.7	4.8	27.8	32.6	4.4
8	14.8	24.8	19.4	84.3	0.0	0.0	0.0	4.1
9	16.6	25.0	19.2	84.0	0.0	0.0	0.0	5.9
10	15.0	25.6	20.3	71.3	0.0	0.0	0.0	6.4
11	16.4	25.4	20.2	79.3	0.0	.1	.1	5.8
12	16.2	25.2	20.0	82.0	1.8	0.0	1.8	7.3
13	15.8	26.2	21.2	76.7	0.0	0.0	0.0	6.1
14	16.6	27.0	21.4	79.7	0.0	0.0	0.0	9.2
15	15.4	26.0	20.8	80.3	.3	.3	.6	8.7
16	16.6	25.6	20.0	80.3	.6	0.0	.6	5.1
17	16.5	25.8	20.0	79.0	0.0	0.0	0.0	6.5
18	17.0	26.1	20.4	82.3	0.0	0.0	0.0	6.7
19	17.4	26.0	20.4	84.7	0.0	26.3	26.3	3.8
20	15.8	25.1	19.8	80.0	0.0	0.0	0.0	6.3
21	17.1	27.7	20.8	78.0	0.0	0.0	0.0	7.6
22	17.0	24.2	20.1	83.0	0.0	0.0	0.0	3.2
23	16.5	24.0	19.2	78.3	0.0	0.0	0.0	1.9
24	16.1	23.5	19.4	83.7	0.0	0.0	0.0	4.2
25	16.5	27.0	21.4	77.7	0.0	0.0	0.0	9.0
26	16.3	25.5	19.8	82.0	0.0	0.0	0.0	3.2
27	17.2	24.7	20.8	75.0	0.0	0.0	0.0	3.2
28	16.5	25.5	20.4	76.3	0.0	0.0	0.0	3.3
29	17.0	25.7	20.6	77.0	0.0	0.0	0.0	5.8
30	16.4	26.4	21.5	73.0	0.0	0.0	0.0	7.0
31	17.5	24.0	19.9	88.7	4.2	3.3	7.5	4.3
Total :					25.5	61.9	87.4	159.0
Promedio :	16.3	25.2	20.0	81.4				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	26.0	21.0	81.0	0.0	0.0	0.0	6.9
2	16.6	25.4	20.5	71.3	0.0	0.0	0.0	7.8
3	16.0	23.5	18.9	81.7	0.0	0.0	0.0	2.6
4	16.4	25.4	20.4	78.0	0.0	0.0	0.0	5.3
5	16.6	25.6	20.5	79.0	0.0	0.0	0.0	3.4
6	17.0	26.0	19.4	80.0	7.0	1.7	8.7	4.7
7	15.0	25.4	18.7	78.0	0.0	0.0	0.0	4.8
8	17.0	26.6	21.2	77.0	0.0	0.0	0.0	6.0
9	17.1	25.4	20.4	83.0	.1	0.0	.1	3.3
10	15.4	25.4	20.3	78.0	0.0	0.0	0.0	7.0
11	16.0	25.2	20.0	78.3	0.0	0.0	0.0	2.7
12	16.2	24.1	19.2	85.0	.2	0.0	.2	2.7
13	16.3	24.3	18.7	84.3	19.7	1.5	21.2	1.7
14	15.5	23.8	18.1	85.3	9.4	.4	9.8	3.7
15	13.7	24.6	19.6	78.3	0.0	0.0	0.0	4.8
16	15.8	26.6	20.2	77.3	0.0	1.7	1.7	7.5
17	16.3	24.5	19.6	75.7	2.1	0.0	2.1	6.1
18	15.7	25.8	19.4	79.3	0.0	0.0	0.0	4.8
19	15.6	24.1	19.3	75.7	0.0	0.0	0.0	4.8
20	15.2	25.4	20.3	76.0	0.0	0.0	0.0	3.8
21	13.5	19.6	15.6	93.7	4.6	0.0	4.6	.3
22	13.0	25.0	19.4	79.7	0.0	0.0	0.0	6.4
23	15.5	23.5	18.8	80.0	2.0	0.0	2.0	4.3
24	15.6	25.0	20.0	81.0	0.0	55.0	55.0	4.5
25	15.2	20.0	17.4	92.7	9.1	4.4	13.5	.7
26	15.5	24.2	19.1	81.3	.7	0.0	.7	4.3
27	16.4	23.4	18.9	87.3	0.0	2.3	2.3	1.1
28	15.3	23.7	19.3	86.0	0.0	2.4	2.4	2.9
29	16.5	26.2	21.1	81.3	0.0	0.0	0.0	6.9
30	16.6	26.8	20.8	81.0	0.0	0.0	0.0	3.5
31	17.0	28.4	21.2	77.0	0.0	0.0	0.0	4.1
Total :					54.9	69.4	124.3	133.4
Promedio :	15.8	24.8	19.6	80.7				

Estación : LA SIRENA
Año : 1999

Dpto. : VALLE
Mpio. : SEVILLA

Latitud : 4 ° 17 'N
Longitud : 75 ° 55 'W
Altitud : 1540 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.5	24.8	18.3	87.7	47.4	9.0	56.4	3.4
2	15.6	23.2	19.2	83.7	0.0	0.0	0.0	2.2
3	15.7	24.8	19.6	85.0	0.0	0.0	0.0	3.4
4	16.0	23.4	19.0	85.0	.5	0.0	.5	1.8
5	16.1	22.0	18.6	89.3	0.0	0.0	0.0	.9
6	15.6	24.5	19.5	78.0	1.1	10.4	11.5	3.8
7	15.5	25.0	18.8	84.3	12.5	6.5	19.0	6.1
8	15.7	23.3	18.8	85.3	1.8	0.0	1.8	2.9
9	15.0	22.5	18.0	89.3	6.2	30.4	36.6	.9
10	15.1	22.7	18.3	86.7	12.3	1.1	13.4	2.2
11	15.7	23.5	18.6	86.3	4.2	19.3	23.5	2.0
12	14.9	22.0	17.3	89.0	4.1	0.0	4.1	2.0
13	15.0	24.1	18.8	81.3	0.0	18.6	18.6	1.8
14	14.4	18.2	16.2	93.0	.4	0.0	.4	0.0
15	13.8	24.3	19.6	75.3	0.0	0.0	0.0	4.6
16	16.0	25.2	20.3	79.3	.3	9.6	9.9	5.0
17	15.9	22.5	18.2	88.3	2.9	0.0	2.9	1.4
18	15.0	24.7	19.8	82.3	0.0	0.0	0.0	4.6
19	16.2	24.3	20.3	83.0	0.0	.4	.4	4.6
20	16.0	24.6	19.0	85.7	3.3	0.0	3.3	4.8
21	15.0	23.0	19.0	83.3	12.2	1.4	13.6	1.6
22	14.9	23.5	19.2	81.7	0.0	0.0	0.0	1.9
23	15.7	22.6	18.4	86.0	12.3	3.2	15.5	1.3
24	14.7	22.5	17.9	84.3	12.0	19.5	31.5	2.6
25	15.4	21.3	17.6	86.7	14.6	19.3	33.9	1.1
26	14.0	22.0	17.8	84.7	.2	24.8	25.0	2.5
27	14.5	21.0	17.4	87.0	1.7	17.0	18.7	.5
28	14.6	21.6	16.9	85.0	5.8	5.3	11.1	.6
29	14.0	22.0	18.2	85.0	0.0	16.8	16.8	2.5
30	15.0	22.5	18.5	84.7	2.1	1.8	3.9	1.7
31								
Total					157.9	214.4	372.3	74.7
Promedio	15.2	23.1	18.6	84.9				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.3	19.8	17.0	85.0	10.8	0.0	10.8	1.0
2	15.4	23.7	19.4	79.3	0.0	1.0	1.0	3.4
3	15.8	24.5	19.4	85.0	13.0	11.0	24.0	3.1
4	16.0	23.6	19.4	79.7	0.0	0.0	0.0	2.2
5	15.5	25.7	19.2	82.7	0.0	11.0	11.0	2.4
6	14.6	20.1	17.1	92.7	6.5	0.0	6.5	.7
7	14.3	22.7	18.4	81.0	1.9	1.7	3.6	3.9
8	15.0	24.6	19.4	81.0	0.0	0.0	0.0	4.6
9	16.5	22.9	19.4	86.3	.3	13.2	13.5	1.8
10	15.0	23.8	18.4	81.3	2.1	2.6	4.7	2.2
11	15.4	23.0	18.6	84.0	6.0	.2	6.2	3.5
12	15.5	23.1	18.0	87.0	4.8	.4	5.2	3.4
13	15.3	23.7	19.2	85.3	0.0	0.0	0.0	5.1
14	16.2	23.4	19.8	79.7	0.0	0.0	0.0	2.6
15	16.0	24.5	19.6	80.7	1.7	.4	2.1	5.4
16	15.9	22.5	18.8	85.7	.1	.1	.2	1.2
17	15.3	22.3	17.8	86.0	18.1	0.0	18.1	1.1
18	15.0	24.0	18.9	86.3	.5	2.5	3.0	4.5
19	15.5	24.1	19.7	78.3	0.0	0.0	0.0	3.5
20	17.0	23.3	19.2	86.0	0.0	.2	.2	1.9
21	16.5	22.0	18.6	89.7	3.3	3.1	6.4	.9
22	16.0	21.0	18.6	89.3	8.0	1.2	9.2	1.0
23	15.9	22.3	19.0	85.0	2.1	0.0	2.1	3.5
24	16.8	23.9	19.7	84.3	0.0	13.1	13.1	2.4
25	16.4	22.5	18.8	88.7	2.8	14.5	17.3	1.5
26	15.8	24.3	18.6	78.7	40.3	23.0	63.3	3.3
27	15.3	23.2	18.4	87.7	0.0	23.0	23.0	3.7
28	15.1	20.5	17.8	93.0	0.0	.2	.2	0.0
29	15.0	23.0	19.3	81.0	2.0	63.5	65.5	2.1
30	14.9	20.5	17.4	88.3	1.1	0.0	1.1	.8
31	15.5	23.5	19.6	83.0	0.0	.3	.3	2.6
Total					125.4	186.2	311.6	79.3
Promedio	15.6	23.0	18.8	84.6				

Estación : LA SIRENA
Año : 1999

Dpto. : VALLE
Mpio. : SEVILLA

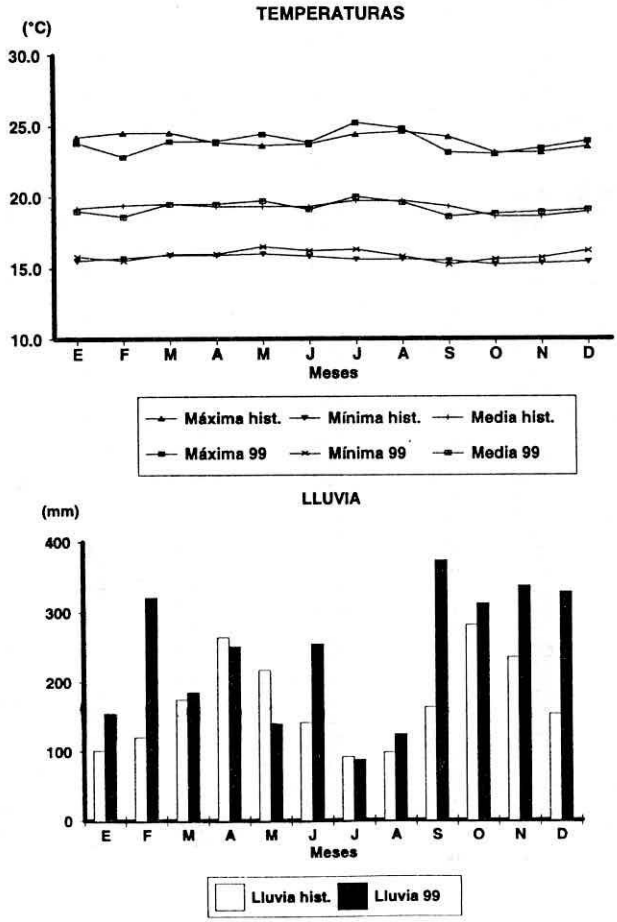
Latitud : 4 ° 17 'N
Longitud : 75 ° 55 'W
Altitud : 1540 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.4	24.3	19.8	78.3	0.0	0.0	0.0	3.8
2	16.6	24.5	19.8	82.3	.5	1.7	2.2	4.5
3	16.0	24.0	19.1	85.0	4.0	27.4	31.4	2.5
4	16.3	24.9	19.6	88.0	5.3	.9	6.2	4.7
5	15.8	25.0	20.2	82.0	0.0	8.6	8.6	4.6
6	17.0	23.4	19.2	85.7	5.4	0.0	5.4	3.0
7	15.5	22.7	18.7	87.0	9.5	3.5	13.0	2.1
8	15.5	23.0	18.2	90.0	43.0	0.0	43.0	2.4
9	15.8	25.0	20.2	80.3	0.0	0.0	0.0	3.5
10	17.3	25.1	20.4	82.0	0.0	11.0	11.0	3.6
11	15.5	20.4	18.1	87.0	23.5	0.0	23.5	.7
12	15.9	23.5	19.1	82.3	8.7	0.0	8.7	2.9
13	16.4	23.9	19.6	84.0	.7	1.2	1.9	3.2
14	15.2	26.5	19.8	82.0	0.0	11.4	11.4	7.0
15	15.1	21.0	17.0	88.3	0.0	0.0	0.0	1.5
16	14.0	24.0	18.8	82.3	0.0	0.0	0.0	5.2
17	15.5	24.3	19.9	79.0	0.0	15.1	15.1	6.2
18	15.1	20.5	18.0	90.0	0.0	10.6	10.6	.7
19	15.9	21.4	18.6	93.7	0.0	9.5	9.5	.6
20	16.0	21.2	17.8	90.7	8.7	13.1	21.8	.6
21	14.8	22.5	17.7	84.7	27.9	13.0	40.9	2.4
22	15.4	20.0	17.8	88.7	4.0	.2	4.2	0.0
23	15.5	23.5	18.1	85.3	9.5	2.0	11.5	4.2
24	14.1	22.9	17.6	81.3	21.3	.4	21.7	2.0
25	14.8	23.0	17.7	86.3	13.0	0.0	13.0	3.7
26	15.4	23.9	19.1	82.7	0.0	5.7	5.7	5.4
27	15.7	24.2	20.2	78.0	0.0	0.0	0.0	4.7
28	16.2	25.5	20.3	81.7	0.0	0.0	0.0	5.2
29	16.2	24.6	19.5	83.0	.2	.6	.8	4.3
30	15.6	23.4	18.0	84.7	8.5	6.3	14.8	2.4
31								
Total :					193.7	142.2	335.9	97.6
Promedio :	15.7	23.4	18.9	84.5				

Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.0	20.2	16.8	93.3	2.7	7.2	9.9	0.0
2	15.6	23.8	19.0	83.0	0.0	15.7	15.7	2.8
3	16.4	23.6	18.9	85.0	0.0	0.0	0.0	.7
4	17.0	23.0	19.3	85.0	.6	14.6	15.2	1.0
5	16.2	22.2	17.9	86.0	13.2	2.0	15.2	.7
6	16.0	22.4	18.9	86.0	.3	0.0	.3	2.4
7	16.6	25.1	19.6	81.0	30.5	0.0	30.5	3.0
8	16.9	25.2	20.8	80.3	0.0	0.0	0.0	3.7
9	17.6	25.5	20.9	82.3	.7	.5	1.2	3.9
10	17.4	23.9	19.4	81.3	27.2	0.0	27.2	3.4
11	16.3	25.2	19.4	86.3	1.1	1.2	2.3	2.4
12	17.2	21.0	18.6	88.0	5.9	10.3	16.2	.5
13	15.8	23.8	18.5	88.7	2.0	0.0	2.0	2.0
14	16.5	24.0	18.7	83.0	1.2	39.4	40.6	1.7
15	16.1	23.3	18.9	86.3	0.0	21.6	21.6	.6
16	16.6	23.6	18.3	85.0	24.8	2.0	26.8	.7
17	16.4	22.2	19.1	85.0	.3	44.6	44.9	1.1
18	16.2	23.5	19.3	86.0	.6	1.6	2.2	3.6
19	17.1	23.9	19.6	86.3	0.0	16.7	16.7	2.2
20	16.8	24.4	19.6	83.3	1.7	2.9	4.6	4.2
21	17.2	24.5	19.8	82.0	0.0	5.7	5.7	4.2
22	16.8	22.5	18.9	90.0	.6	16.7	17.3	.7
23	15.5	23.3	19.2	83.3	0.0	3.0	3.0	4.5
24	16.0	23.7	18.4	84.0	5.8	2.5	8.3	3.8
25	14.8	23.9	18.6	81.3	0.0	0.0	0.0	3.4
26	15.1	25.6	19.2	78.0	0.0	0.0	0.0	7.5
27	15.4	25.0	19.3	80.0	0.0	0.0	0.0	6.3
28	15.0	25.3	18.8	74.7	0.0	0.0	0.0	6.8
29	14.5	24.4	19.1	77.3	0.0	0.0	0.0	4.8
30	15.2	25.3	19.4	79.0	0.0	0.0	0.0	5.3
31	16.0	26.4	19.8	80.7	0.0	0.0	0.0	7.0
Total :					119.2	208.2	327.4	94.9
Promedio :	16.2	23.9	19.1	83.6				

Estación : LA SIRENA **Dpto. :** VALLE **Latitud :** 4 ° 17 'N
Año : 1999 **Mpio. :** SEVILLA **Longitud :** 75 ° 55 'W
Altitud : 1540 m

MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	15.8	23.8	19.0	25.6	14.8	86.5	154.4	20	69.1
Febrero	15.5	22.8	18.6	26.2	13.6	88.4	321.0	22	55.2
Marzo	16.0	23.9	19.5	26.7	14.0	85.8	184.3	23	71.0
Abril	16.0	23.9	19.5	27.7	14.2	87.0	250.1	19	82.0
Mayo	16.5	24.4	19.7	27.2	14.4	84.1	139.3	24	97.4
Junio	16.2	23.8	19.1	26.6	14.9	87.0	253.7	26	85.4
Julio	16.3	25.2	20.0	27.7	14.8	81.4	87.4	11	159.0
Agosto	15.8	24.8	19.6	28.4	13.0	80.7	124.3	14	133.4
Septiembre	15.2	23.1	18.6	25.2	13.8	84.9	372.3	24	74.7
Octubre	15.6	23.0	18.8	25.7	14.3	84.6	311.6	26	79.3
Noviembre	15.7	23.4	18.9	26.5	14.0	84.5	335.9	24	97.6
Diciembre	16.2	23.9	19.1	26.4	14.5	83.6	327.4	22	94.9
Promedio :	15.9	23.8	19.2			84.9			
Absoluta :				28.4	13.0				
Total :							2861.7	255	1099.0



Estación : MANUEL M. MALLARINO
Año : 1999

Dpto. : VALLE
Mpio. : TRUJILLO

Latitud : 4 ° 13 'N
Longitud : 76 ° 19 'W
Altitud : 1380 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.8	27.0	20.4	80.7	.8	0.0	.8	3.0
2	17.4	25.4	20.2	85.7	9.6	0.0	9.6	2.4
3	15.8	27.7	19.8	83.7	1.3	2.8	4.1	2.7
4	17.8	24.2	19.6	92.0	4.5	1.0	5.5	1.5
5	17.0	23.4	19.3	83.7	3.0	15.0	18.0	.8
6	17.0	26.8	19.9	78.7	4.4	0.0	4.4	4.6
7	15.8	25.4	20.3	77.7	0.0	30.0	30.0	1.6
8	17.8	24.8	20.0	83.3	.7	0.0	.7	1.3
9	15.2	26.2	19.2	85.0	4.6	0.0	4.6	1.9
10	17.6	26.0	20.4	81.0	.2	7.6	7.8	3.4
11	16.2	22.5	19.2	82.7	.1	1.9	2.0	.2
12	16.8	23.4	19.2	85.0	2.5	0.0	2.5	1.3
13	15.6	24.4	19.2	83.3	.8	.2	1.0	3.0
14	16.0	25.4	18.8	78.3	4.9	1.6	6.5	2.7
15	15.2	26.2	20.6	64.3	0.0	4.6	4.6	5.4
16	16.4	25.0	19.4	76.3	5.0	0.0	5.0	1.1
17	14.9	26.8	19.4	75.7	0.0	0.0	0.0	5.0
18	15.6	27.0	20.0	74.7	0.0	0.0	0.0	5.6
19	15.6	26.6	20.4	72.3	0.0	15.0	15.0	3.1
20	16.2	25.4	19.9	73.7	0.0	0.0	0.0	2.7
21	15.8	27.0	21.4	71.3	0.0	0.0	0.0	5.0
22	16.6	24.8	20.3	82.3	10.1	2.0	12.1	1.8
23	17.2	25.5	20.5	81.0	1.2	2.6	3.8	3.8
24	16.8	22.6	19.1	87.3	1.0	0.0	1.0	.1
25	17.0	24.8	20.4	81.0	0.0	.4	.4	1.7
26	17.2	26.2	19.4	88.3	8.1	0.0	8.1	2.0
27	18.0	25.2	20.6	74.3	0.0	.1	.1	2.3
28	16.8	24.8	20.2	76.0	0.0	0.0	0.0	1.6
29	17.0	27.4	21.6	69.0	0.0	0.0	0.0	6.0
30	16.6	27.8	21.8	71.3	0.0	0.0	0.0	5.1
31	16.8	28.0	22.2	70.7	0.0	0.0	0.0	6.8
Total					62.8	84.8	147.6	89.5
Promedio	16.5	25.6	20.1	79.0				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.2	26.9	22.0	68.7	.1	.2	.3	.8
2	15.6	26.6	21.0	74.7	0.0	20.0	20.0	3.0
3	17.4	26.5	20.8	73.3	0.0	.1	.1	3.3
4	17.2	25.6	19.4	90.3	15.9	.2	16.1	3.7
5	17.9	25.0	20.8	79.0	1.9	0.0	1.9	.1
6	17.2	24.0	19.6	80.7	.5	3.9	4.4	2.1
7	17.0	26.7	20.6	78.0	1.4	0.0	1.4	3.9
8	16.5	28.0	21.4	70.0	0.0	0.0	0.0	7.3
9	16.4	28.2	21.8	68.3	0.0	8.2	8.2	5.8
10	17.0	24.0	20.2	85.3	0.0	0.0	0.0	1.2
11	16.4	27.0	20.7	76.7	0.0	21.6	21.6	4.1
12	16.8	25.2	20.3	82.7	0.0	17.0	17.0	.7
13	16.8	21.2	18.6	92.7	.7	0.0	.7	0.0
14	17.0	25.2	20.1	79.0	0.0	0.0	0.0	4.2
15	17.0	21.5	18.4	94.3	.8	.1	.9	0.0
16	16.6	24.8	19.4	81.7	0.0	9.2	9.2	.8
17	16.8	23.6	18.8	85.0	5.3	13.5	18.8	1.7
18	16.4	23.4	18.7	87.7	10.7	0.0	10.7	.9
19	15.2	26.6	19.5	81.7	2.3	15.7	18.0	4.4
20	16.2	22.2	19.0	82.0	1.7	0.0	1.7	0.0
21	16.0	26.8	18.4	89.3	7.0	9.5	16.5	3.5
22	16.2	24.8	19.6	79.3	0.0	.4	.4	1.8
23	16.8	26.9	19.4	80.0	.3	55.5	55.8	3.0
24	16.6	24.6	19.4	81.7	3.2	22.8	26.0	2.8
25	16.2	23.9	19.4	83.3	1.5	0.0	1.5	1.3
26	15.9	27.0	21.0	73.0	0.0	2.7	2.7	6.2
27	17.4	26.0	20.2	79.0	0.0	9.7	9.7	2.9
28	16.8	23.0	19.2	80.3	1.0	19.5	20.5	0.0
29								
30								
31								
Total					54.3	229.8	284.1	69.5
Promedio	16.7	25.2	19.9	80.6				

Estación : MANUEL M. MALLARINO
Año : 1999

Dpto. : VALLE
Mpio. : TRUJILLO

Latitud : 4 ° 13 'N
Longitud : 76 ° 19 'W
Altitud : 1380 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.2	22.0	19.0	83.0	.7	.2	.9	.3
2	15.0	25.0	19.5	79.0	.2	0.0	.2	1.1
3	15.8	27.2	20.8	69.0	0.0	.3	.3	6.3
4	16.8	25.8	20.5	79.0	3.5	10.0	13.5	2.6
5	14.6	27.6	20.8	69.0	0.0	0.0	0.0	8.3
6	16.8	28.7	22.1	67.3	0.0	9.4	9.4	8.5
7	17.8	26.5	20.7	77.3	.9	0.0	.9	3.4
8	15.8	27.8	21.0	71.7	0.0	.1	.1	6.2
9	17.4	26.2	20.5	73.7	0.0	0.0	0.0	2.6
10	16.2	26.8	20.2	75.3	0.0	0.0	0.0	2.2
11	15.6	27.0	21.0	76.7	0.0	0.0	0.0	2.2
12	16.0	28.9	21.4	70.3	0.0	0.0	0.0	6.2
13	17.2	25.6	21.5	73.7	0.0	0.0	0.0	0.0
14	15.8	27.4	21.7	70.0	0.0	8.0	8.0	4.1
15	15.0	24.9	19.7	83.0	1.1	.4	1.5	2.2
16	16.6	25.2	19.4	83.3	0.0	0.0	0.0	2.0
17	15.8	26.0	21.0	77.3	0.0	15.0	15.0	2.6
18	16.0	24.8	19.4	83.0	0.0	1.5	1.5	2.2
19	17.0	26.0	19.8	80.0	36.0	6.6	42.6	1.5
20	16.8	24.3	19.0	85.0	1.0	0.0	1.0	1.0
21	15.8	26.6	20.4	79.7	0.0	0.0	0.0	2.5
22	16.0	26.6	21.0	79.3	.5	0.0	.5	3.1
23	16.4	26.4	21.4	71.7	0.0	0.0	0.0	2.8
24	16.8	26.2	20.6	76.7	0.0	0.0	0.0	2.9
25	16.5	27.8	21.3	79.0	0.0	0.0	0.0	3.7
26	16.9	27.5	22.2	72.7	0.0	0.0	0.0	1.7
27	18.0	27.2	21.5	71.3	0.0	0.0	0.0	.6
28	17.2	26.9	19.5	83.0	17.9	3.9	21.8	1.7
29	17.8	26.0	20.1	79.3	0.0	0.0	0.0	2.7
30	17.3	27.6	21.0	74.3	0.0	0.0	0.0	3.4
31	17.4	27.2	22.1	71.3	0.0	0.0	0.0	4.2
Total					61.8	55.4	117.2	94.8
Promedio	16.5	26.4	20.6	76.3				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.4	26.8	22.2	72.7	0.0	5.5	5.5	1.6
2	17.0	27.8	22.5	71.3	0.0	28.6	28.6	4.1
3	16.0	22.2	18.4	89.3	2.0	3.8	5.8	0.0
4	16.4	25.5	20.6	77.3	2.7	0.0	2.7	3.4
5	17.0	26.5	20.6	77.3	1.0	0.0	1.0	4.1
6	17.1	27.0	21.0	74.3	0.0	0.0	0.0	5.0
7	16.4	27.8	20.3	81.7	0.0	0.0	0.0	1.8
8	17.6	24.8	19.6	80.3	6.9	5.3	12.2	1.1
9	17.0	24.6	19.8	79.0	2.9	2.3	5.2	.4
10	16.6	23.0	18.8	87.7	9.5	0.0	9.5	0.0
11	16.0	25.4	20.2	78.0	0.0	0.0	0.0	3.2
12	17.3	26.6	21.1	75.7	0.0	2.9	2.9	2.7
13	16.6	26.0	20.8	76.3	0.0	0.0	0.0	1.9
14	16.8	26.2	20.8	81.3	6.1	4.1	10.2	1.6
15	17.0	27.0	20.8	79.3	.2	2.8	3.0	3.8
16	15.5	27.8	21.9	75.7	0.0	0.0	0.0	9.0
17	15.8	29.3	21.9	71.0	0.0	0.0	0.0	10.0
18	16.0	27.8	21.8	68.7	0.0	0.0	0.0	9.0
19	17.8	28.0	22.5	69.7	0.0	0.0	0.0	4.5
20	17.5	26.9	20.8	81.3	0.0	0.0	0.0	2.8
21	17.0	27.2	21.6	73.7	0.0	0.0	0.0	5.5
22	16.8	30.5	22.9	69.0	0.0	0.0	0.0	9.9
23	18.0	25.2	21.2	80.0	0.0	.6	.6	0.0
24	17.2	24.6	19.9	84.7	23.4	8.8	32.2	.8
25	16.0	25.0	20.4	79.3	0.0	17.5	17.5	6.2
26	17.1	26.4	19.8	80.3	4.9	.9	5.8	0.0
27	17.0	24.8	19.0	83.3	8.5	0.0	8.5	1.3
28	15.5	26.0	19.2	82.3	4.2	.2	4.4	2.3
29	16.6	26.2	20.8	80.0	.5	69.5	70.0	4.7
30	15.8	20.4	17.6	87.3	15.0	0.0	15.0	0.0
31								
Total					87.8	152.8	240.6	100.7
Promedio	16.8	26.1	20.6	78.3				

Estación : MANUEL M. MALLARINO
Año : 1999

Dpto. : VALLE
Mpio. : TRUJILLO

Latitud : 4 ° 13 'N
Longitud : 76 ° 19 'W
Altitud : 1380 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.0	27.2	20.3	76.0	0.0	0.0	0.0	7.1
2	16.4	25.0	20.0	79.0	.3	.5	.8	1.5
3	15.7	27.0	20.8	80.0	0.0	9.5	9.5	3.0
4	16.8	24.0	20.0	82.0	0.0	0.0	0.0	.7
5	16.2	26.4	20.2	76.7	.8	.6	1.4	3.4
6	16.6	25.6	21.0	73.7	1.1	14.1	15.2	2.8
7	16.8	24.7	19.6	81.0	0.0	0.0	0.0	2.0
8	16.5	25.8	20.4	78.7	2.0	0.0	2.0	2.3
9	16.0	24.0	18.3	86.0	19.9	6.9	26.8	.8
10	15.8	24.8	20.0	75.7	0.0	0.0	0.0	3.0
11	16.0	23.0	18.6	82.7	0.0	.3	.3	.6
12	16.4	25.5	20.6	72.7	2.6	30.1	32.7	3.3
13	16.0	22.2	18.6	87.0	.5	0.0	.5	.2
14	14.8	25.8	20.7	76.0	0.0	0.0	0.0	4.8
15	16.9	26.5	21.5	73.3	0.0	0.0	0.0	5.4
16	16.5	27.8	21.5	68.0	0.0	0.0	0.0	5.6
17	16.4	25.8	21.0	78.7	0.0	0.0	0.0	6.2
18	15.8	24.8	20.4	76.7	.1	0.0	.1	.5
19	16.2	27.0	20.6	80.3	0.0	0.0	0.0	2.8
20	16.0	26.2	20.0	83.0	2.9	0.0	2.9	2.0
21	15.0	27.0	20.6	76.3	0.0	0.0	0.0	5.0
22	16.0	26.9	21.1	74.7	.2	0.0	.2	4.1
23	17.8	28.0	22.7	73.3	0.0	0.0	0.0	5.4
24	17.2	27.9	21.4	75.7	0.0	0.0	0.0	6.2
25	15.8	26.0	20.5	78.7	0.0	0.0	0.0	2.8
26	16.4	27.9	21.5	67.7	0.0	0.0	0.0	8.4
27	16.0	27.8	21.7	69.0	0.0	0.0	0.0	4.9
28	17.4	27.2	21.2	79.0	0.0	0.0	0.0	2.4
29	17.4	26.2	21.4	77.0	.4	9.4	9.8	.9
30	16.6	27.7	21.8	73.0	0.0	0.0	0.0	5.4
31	16.8	28.5	22.0	71.3	0.0	0.0	0.0	5.2
Total :					30.8	71.4	102.2	108.7
Promedio :	16.3	26.1	20.6	76.9				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.4	26.8	21.1	72.3	0.0	.3	.3	3.6
2	17.0	25.4	20.2	80.3	0.0	0.0	0.0	2.6
3	16.0	28.7	20.8	79.0	2.5	.5	3.0	3.1
4	17.0	25.0	18.8	89.0	57.4	1.7	59.1	1.7
5	15.0	24.8	19.4	84.3	0.0	0.0	0.0	1.1
6	16.0	27.0	21.2	75.7	0.0	0.0	0.0	2.7
7	16.8	26.6	20.2	79.7	19.2	6.6	25.8	2.2
8	17.7	24.2	20.2	84.3	1.1	0.0	1.1	1.1
9	16.5	27.3	21.3	76.0	0.0	0.0	0.0	6.1
10	16.0	27.8	22.0	70.3	1.6	61.0	62.6	7.2
11	16.6	25.0	19.8	84.0	8.9	0.0	8.9	2.0
12	15.7	27.4	21.2	76.3	0.0	30.4	30.4	6.3
13	18.0	23.2	18.6	96.0	12.3	.2	12.5	.2
14	17.0	24.7	19.9	83.3	.5	0.0	.5	1.8
15	15.0	25.2	19.8	82.3	14.4	0.0	14.4	3.1
16	16.0	23.4	19.2	91.0	.6	0.0	.6	1.0
17	17.0	27.0	21.7	78.0	0.0	11.1	11.1	4.3
18	17.5	21.6	19.2	92.0	1.8	0.0	1.8	0.0
19	15.5	27.0	21.8	75.7	0.0	.5	.5	7.0
20	17.7	26.8	22.3	77.7	0.0	0.0	0.0	4.1
21	18.0	22.0	19.9	93.0	.2	.1	.3	0.0
22	17.5	25.2	20.8	81.3	.1	0.0	.1	2.3
23	16.0	25.1	20.2	76.3	0.0	0.0	0.0	3.3
24	15.5	27.0	21.6	70.3	0.0	12.7	12.7	4.6
25	16.2	26.3	20.8	77.3	0.0	.2	.2	2.1
26	17.5	26.0	20.4	81.3	2.3	1.1	3.4	2.6
27	17.5	25.0	20.2	78.0	.8	8.1	8.9	3.3
28	17.0	21.2	18.9	91.0	8.2	0.0	8.2	1.1
29	14.0	26.1	20.5	74.7	0.0	0.0	0.0	4.1
30	16.0	27.8	21.4	71.0	0.0	0.0	0.0	6.9
31								
Total :					131.9	134.5	266.4	91.5
Promedio :	16.5	25.6	20.4	80.7				

Estación : MANUEL M. MALLARINO
Año : 1999

Dpto. : VALLE
Mpio. : TRUJILLO

Latitud : 4 ° 13 'N
Longitud : 76 ° 19 'W
Altitud : 1380 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.5	25.0	20.2	81.0	.7	0.0	.7	1.4
2	15.5	25.6	20.4	73.7	0.0	.9	.9	2.5
3	17.0	25.0	19.3	84.7	0.0	.2	.2	2.5
4	16.0	26.9	20.7	69.3	0.0	0.0	0.0	6.9
5	16.0	27.2	20.7	72.7	0.0	0.0	0.0	6.6
6	15.5	26.4	20.9	73.3	0.0	.5	.5	4.3
7	16.0	26.0	20.0	79.3	2.5	.2	2.7	3.0
8	15.5	26.9	20.6	77.7	0.0	0.0	0.0	7.4
9	15.5	27.2	20.8	73.7	0.0	0.0	0.0	0.0
10	15.0	28.0	21.4	70.0	0.0	0.0	0.0	9.2
11	15.8	28.2	21.5	71.3	0.0	0.0	0.0	6.9
12	16.4	28.4	22.2	70.7	0.0	0.0	0.0	6.9
13	15.5	28.6	21.4	71.7	0.0	0.0	0.0	9.5
14	16.0	29.8	22.1	67.7	0.0	0.0	0.0	9.7
15	15.9	29.8	22.4	68.0	0.0	2.4	2.4	10.0
16	16.9	27.7	21.2	71.3	0.0	0.0	0.0	5.3
17	16.0	28.8	22.6	68.0	0.0	0.0	0.0	7.9
18	16.8	30.0	22.2	69.0	0.0	0.0	0.0	6.6
19	17.0	27.8	23.0	69.3	0.0	12.5	12.5	4.7
20	17.5	27.2	21.0	76.7	0.0	0.0	0.0	6.8
21	17.8	29.2	23.1	65.0	0.0	0.0	0.0	9.4
22	17.5	27.4	21.7	76.7	0.0	.4	.4	4.2
23	17.0	27.6	19.8	83.3	36.6	0.0	36.6	4.3
24	16.0	27.0	20.6	81.3	0.0	0.0	0.0	3.2
25	15.5	26.0	21.2	82.0	0.0	0.0	0.0	8.4
26	15.0	29.6	22.0	80.0	0.0	0.0	0.0	4.8
27	17.5	27.2	22.3	75.0	0.0	.4	.4	3.9
28	18.6	27.2	21.2	76.0	0.0	0.0	0.0	4.2
29	16.5	28.0	22.1	74.0	0.0	0.0	0.0	5.1
30	16.0	29.0	22.2	70.7	0.0	0.0	0.0	8.3
31	17.5	27.6	22.6	72.3	.1	0.0	.1	5.8
Total :					39.9	17.5	57.4	179.7
Promedio :	16.4	27.6	21.4	74.0				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.5	28.0	22.7	60.7	0.0	0.0	0.0	8.1
2	16.0	27.6	21.8	66.0	0.0	0.0	0.0	5.2
3	15.0	26.6	21.0	71.0	0.0	0.0	0.0	4.6
4	13.5	29.2	21.2	69.3	0.0	0.0	0.0	6.3
5	16.0	29.0	22.2	67.0	.1	1.0	1.1	7.4
6	16.6	29.9	21.6	76.0	.5	.3	.8	7.5
7	17.0	27.2	22.0	67.3	0.0	0.0	0.0	5.9
8	17.9	29.0	22.6	68.3	0.0	10.0	10.0	6.4
9	18.0	28.0	22.2	69.7	1.6	0.0	1.6	5.5
10	16.8	29.4	22.4	66.7	0.0	0.0	0.0	6.9
11	16.9	29.0	22.6	65.3	0.0	0.0	0.0	6.6
12	16.5	27.3	21.2	76.0	.4	.3	.7	5.3
13	16.3	26.9	20.2	78.3	1.6	.9	2.5	3.2
14	18.0	27.2	20.6	76.7	6.0	15.0	21.0	6.3
15	15.7	27.5	21.0	73.3	0.0	0.0	0.0	6.4
16	16.7	29.5	22.4	70.0	.2	.3	.5	8.6
17	18.5	28.1	22.0	66.7	0.0	0.0	0.0	3.4
18	16.4	29.8	21.5	72.3	3.0	2.0	5.0	7.1
19	16.1	29.0	22.0	64.7	0.0	0.0	0.0	6.2
20	16.0	29.1	21.8	68.7	0.0	0.0	0.0	6.0
21	17.0	21.3	18.3	93.0	1.4	0.0	1.4	.5
22	14.7	27.2	22.1	69.0	0.0	0.0	0.0	8.1
23	15.6	27.7	20.8	69.0	0.0	0.0	0.0	4.0
24	15.8	27.2	20.6	76.0	0.0	5.0	5.0	4.8
25	18.0	26.9	20.8	78.7	.5	.2	.7	2.2
26	16.9	26.8	20.1	78.0	0.0	2.0	2.0	3.8
27	17.9	26.7	20.4	82.3	.5	.2	.7	2.3
28	16.8	28.1	21.4	76.3	0.0	0.0	0.0	4.4
29	17.0	30.2	22.4	70.7	0.0	0.0	0.0	6.8
30	17.2	28.3	22.0	72.3	0.0	0.0	0.0	3.8
31	16.5	28.6	23.0	68.7	0.0	0.0	0.0	4.2
Total :					15.8	37.2	53.0	167.8
Promedio :	16.6	27.9	21.5	71.9				

Estación : MANUEL M. MALLARINO
Año : 1999

Dpto. : VALLE
Mpio. : TRUJILLO

Latitud : 4 ° 13 'N
Longitud : 76 ° 19 'W
Altitud : 1380 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.0	27.0	20.4	81.3	1.5	10.0	11.5	1.4
2	17.0	25.2	20.4	75.7	0.0	0.0	0.0	1.8
3	15.4	27.6	21.3	72.0	0.0	.1	.1	2.5
4	16.8	27.3	21.4	73.7	0.0	0.0	0.0	2.2
5	16.0	24.7	19.5	82,7	0.0	0.0	0.0	1.0
6	15.6	28.9	21.8	70.0	0.0	0.0	0.0	5.2
7	15.9	28.1	20.8	75.3	0.0	30.0	30.0	3.6
8	17.5	25.6	20.9	75.3	0.0	0.0	0.0	3.8
9	15.4	26.5	19.6	81.0	16.0	5.0	21.0	3.4
10	16.9	24.2	20.2	80.7	.7	1.4	2.1	1.6
11	16.8	27.7	20.6	77.7	9.0	23.0	32.0	3.3
12	16.9	24.9	19.8	85.7	1.1	4.3	5.4	.9
13	16.0	26.0	19.5	82.3	32.0	32.0	64.0	2.9
14	16.2	20.2	18.0	91.3	0.0	0.0	0.0	0.0
15	15.0	26.5	20.2	75.0	0.0	0.0	0.0	4.1
16	15.8	28.5	21.5	75.0	0.0	13.2	13.2	5.6
17	16.2	24.8	20.0	84.3	1.0	0.0	1.0	.5
18	14.0	27.1	21.0	73.0	0.0	0.0	0.0	3.5
19	16.0	28.6	22.2	72.0	0.0	.4	.4	4.5
20	17.8	27.5	21.8	70.0	0.0	0.0	0.0	5.0
21	16.3	27.4	20.0	77.3	17.0	25.0	42.0	4.6
22	16.2	24.0	19.3	82.3	0.0	0.0	0.0	1.3
23	16.0	25.3	19.6	82.3	0.0	9.0	9.0	1.1
24	15.8	24.0	18.8	82.3	0.0	15.0	15.0	1.6
25	16.9	23.1	18.5	92.3	22.0	23.0	45.0	1.0
26	15.9	24.2	19.5	82.7	25.0	50.0	75.0	1.2
27	16.7	22.6	19.3	88.0	0.0	27.0	27.0	.3
28	17.0	22.4	18.7	86.3	.7	3.7	4.4	0.0
29	15.8	23.2	19.4	81.3	0.0	0.0	0.0	1.6
30	14.9	27.1	20.9	70.0	0.0	.2	.2	3.5
31								
Total					126.0	272.3	398.3	73.0
Promedio	16.2	25.7	20.2	79.3				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	27.0	19.8	75.7	0.0	0.0	0.0	1.3
2	15.8	26.0	20.1	77.3	0.0	0.0	0.0	3.0
3	16.6	28.1	21.7	74.7	0.0	0.0	0.0	4.4
4	16.4	26.0	20.7	74.7	0.0	0.0	0.0	2.2
5	15.8	27.0	20.4	76.3	0.0	26.0	26.0	3.6
6	15.9	24.0	18.4	85.3	16.0	0.0	16.0	.3
7	13.8	25.0	19.2	80.7	0.0	0.0	0.0	3.9
8	16.2	28.1	21.2	72.3	0.0	0.0	0.0	6.0
9	17.9	27.2	21.4	78.0	0.0	0.0	0.0	3.1
10	17.0	27.0	21.0	78.3	0.0	0.0	0.0	2.9
11	17.8	27.8	21.1	72.7	0.0	0.0	0.0	4.7
12	16.0	26.8	20.0	85.7	2.7	0.0	2.7	3.1
13	15.0	26.3	20.6	75.0	0.0	0.0	0.0	5.3
14	16.2	26.8	21.4	76.0	0.0	0.0	0.0	6.0
15	16.0	27.8	20.5	79.7	0.0	17.0	17.0	4.1
16	17.1	25.3	20.3	83.3	2.0	12.0	14.0	2.0
17	16.2	24.1	18.9	87.0	0.0	12.0	12.0	2.3
18	15.6	26.3	20.0	79.7	0.0	16.0	16.0	3.3
19	17.0	26.9	21.0	74.7	0.0	0.0	0.0	3.8
20	16.1	26.2	20.2	81.0	16.0	0.0	16.0	1.6
21	16.9	26.0	20.4	80.7	3.7	0.0	3.7	2.9
22	17.6	25.0	20.2	85.7	0.0	.5	.5	.8
23	17.0	25.3	20.6	85.0	.3	.4	.7	1.8
24	18.0	26.2	21.0	78.7	0.0	0.0	0.0	2.9
25	17.9	25.8	20.4	80.0	1.3	.1	1.4	3.0
26	18.0	27.3	21.0	80.3	16.0	54.0	70.0	2.8
27	17.0	24.5	18.4	92.0	18.0	8.0	26.0	3.0
28	16.9	23.0	19.4	80.3	1.6	3.0	4.6	.2
29	16.8	26.0	20.0	81.7	0.0	20.0	20.0	2.9
30	16.7	24.1	19.5	83.0	1.9	0.0	1.9	2.2
31	16.8	26.9	20.8	79.7	0.0	0.0	0.0	2.9
Total					79.5	169.0	248.5	92.3
Promedio	16.6	26.1	20.3	79.8				

Estación : MANUEL M. MALLARINO
Año : 1999

Dpto. : VALLE
Mpio. : TRUJILLO

Latitud : 4 ° 13 'N
Longitud : 76 ° 19 'W
Altitud : 1380 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.3	27.6	21.8	78.7	0.0	0.0	0.0	4.4
2	16.3	26.2	20.6	77.0	9.3	.3	9.6	1.9
3	17.8	26.1	20.3	80.3	.3	0.0	.3	1.1
4	17.5	27.2	21.3	83.0	2.5	0.0	2.5	2.9
5	17.0	27.1	20.8	81.3	.8	7.6	8.4	3.5
6	17.3	26.0	20.0	92.7	2.7	21.5	24.2	3.5
7	18.0	26.8	20.5	81.7	0.0	4.1	4.1	2.4
8	17.5	24.8	19.8	84.0	0.0	0.0	0.0	1.1
9	16.9	28.1	21.4	73.3	0.0	0.0	0.0	5.4
10	16.7	28.8	21.5	75.0	0.0	.4	.4	6.9
11	17.9	22.0	19.6	89.3	2.5	0.0	2.5	0.0
12	16.0	25.2	20.6	81.7	2.1	11.7	13.8	1.3
13	17.9	26.5	20.2	80.0	0.0	0.0	0.0	2.8
14	16.4	28.0	21.8	70.7	0.0	34.7	34.7	6.5
15	15.0	20.6	17.5	93.0	6.0	0.0	6.0	0.0
16	13.7	26.0	20.0	75.0	0.0	2.6	2.6	5.9
17	15.2	26.2	19.8	81.3	8.9	6.9	15.8	3.6
18	16.4	24.3	20.2	80.0	0.0	4.8	4.8	1.0
19	17.7	24.2	20.2	81.3	0.0	.7	.7	.6
20	17.8	22.6	19.0	92.0	3.3	10.9	14.2	.8
21	17.0	23.0	19.6	89.0	1.2	7.0	8.2	.4
22	17.0	20.6	18.6	92.0	29.5	0.0	29.5	0.0
23	15.5	25.4	19.2	86.0	1.3	8.9	10.2	2.5
24	16.5	25.6	18.2	93.3	21.5	1.2	22.7	3.1
25	16.2	23.7	19.6	78.3	.2	.8	1.0	1.6
26	17.0	25.0	19.2	81.0	6.0	0.0	6.0	4.4
27	17.1	26.0	21.3	77.3	0.0	0.0	0.0	5.3
28	17.0	27.0	21.0	78.3	0.0	0.0	0.0	1.8
29	16.7	26.8	21.1	72.3	0.0	1.1	1.1	4.2
30	17.7	25.3	19.6	85.3	11.4	10.7	22.1	.7
31								
Total :					109.5	135.9	245.4	79.6
Promedio :	16.8	25.4	20.1	82.1				

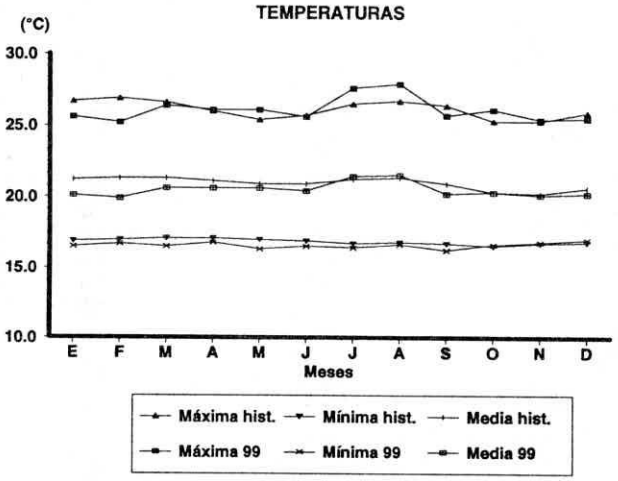
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	23.4	18.8	88.0	8.5	0.0	8.5	.1
2	16.8	25.2	20.3	77.7	0.0	0.0	0.0	3.2
3	17.9	24.1	20.3	80.7	0.0	0.0	0.0	.7
4	18.1	25.0	20.7	80.3	0.0	67.0	67.0	1.9
5	17.5	24.3	19.8	87.7	0.0	0.0	0.0	.9
6	17.8	24.2	19.6	82.7	1.4	0.0	1.4	3.7
7	16.5	26.0	19.8	81.3	15.0	0.0	15.0	2.2
8	16.8	27.0	20.9	79.3	0.0	0.0	0.0	6.2
9	18.3	27.9	21.2	76.7	0.0	0.0	0.0	5.1
10	17.8	25.6	20.7	76.7	0.0	0.0	0.0	.4
11	17.4	27.2	21.4	73.0	0.0	4.0	4.0	6.1
12	16.9	23.8	19.6	93.3	5.5	1.9	7.4	.5
13	17.6	26.0	20.4	82.7	0.0	0.0	0.0	1.3
14	18.0	26.1	20.2	86.0	.7	0.0	.7	.8
15	17.7	26.8	20.4	81.7	0.0	0.0	0.0	1.7
16	17.9	23.3	19.8	85.7	1.2	3.2	4.4	.7
17	18.0	24.0	20.4	85.3	0.0	0.0	0.0	.8
18	17.8	27.0	21.0	76.3	.1	0.0	.1	3.5
19	18.0	26.3	21.4	79.3	.1	3.3	3.4	2.4
20	18.8	27.4	21.2	77.3	.2	.6	.8	3.4
21	18.3	24.7	20.2	87.3	1.7	0.0	1.7	1.9
22	18.0	21.8	19.1	94.7	24.0	29.0	53.0	0.0
23	16.9	24.0	19.5	85.7	2.1	0.0	2.1	1.1
24	16.7	23.2	19.2	84.7	8.3	.4	8.7	.4
25	15.5	26.0	19.4	78.0	0.0	0.0	0.0	3.7
26	14.0	26.4	20.2	77.3	0.0	0.0	0.0	6.5
27	15.0	25.6	20.8	69.7	0.0	0.0	0.0	5.2
28	15.1	25.9	20.2	70.0	0.0	0.0	0.0	6.5
29	16.5	26.8	20.6	73.7	0.0	0.0	0.0	6.5
30	14.8	27.0	19.8	76.3	0.0	0.0	0.0	6.2
31	15.0	27.1	20.4	76.0	0.0	0.0	0.0	4.7
Total :					68.8	109.4	178.2	88.3
Promedio :	17.0	25.5	20.2	80.8				

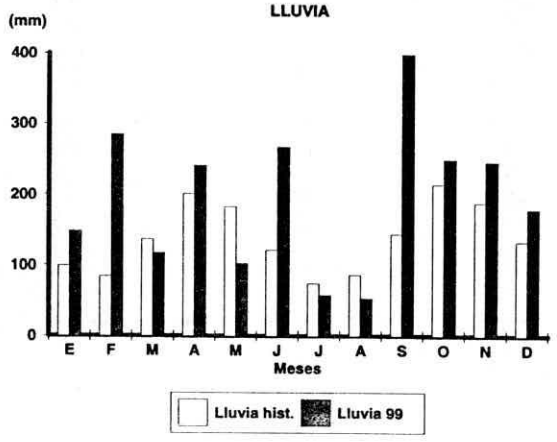
Estación : MANUEL M. MALLARINO
Año : 1999

Dpto. : VALLE
Mpio. : TRUJILLO

Latitud : 4 ° 13 'N
Longitud : 76 ° 19 'W
Altitud : 1380 m

MES	TEMPERATURA °C					PRECIPITACION			
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	16.5	25.6	20.1	28.0	14.9	79.0	147.6	23	89.5
Febrero	16.7	25.2	19.9	28.2	15.2	80.6	284.1	25	69.5
Marzo	16.5	26.4	20.6	28.9	14.6	76.3	117.2	15	94.8
Abril	16.8	26.1	20.6	30.5	15.5	78.3	240.6	19	100.7
Mayo	16.3	26.1	20.6	28.5	14.0	76.9	102.2	13	108.7
Junio	16.5	25.6	20.4	28.7	14.0	80.7	266.4	22	91.5
Julio	16.4	27.6	21.4	30.0	15.0	74.0	57.4	11	179.7
Agosto	16.6	27.9	21.5	30.2	13.5	71.9	53.0	14	167.8
Septiembre	16.2	25.7	20.2	28.9	14.0	79.3	398.3	19	73.0
Octubre	16.6	26.1	20.3	28.1	13.8	79.8	248.5	17	92.3
Noviembre	16.8	25.4	20.1	28.8	13.7	82.1	245.4	24	79.6
Diciembre	17.0	25.5	20.2	27.9	14.0	80.8	178.2	15	88.3
Promedio :	16.6	26.1	20.5			78.3			
Absoluta :				30.5	13.5				
Total :							2338.9	217	1235.4





Estación : JULIO FERNANDEZ
Año : 1999

Dpto. : VALLE
Mpio. : RESTREPO

Latitud : 3 ° 48 'N
Longitud : 76 ° 32 'W
Altitud : 1360 m

Enero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.8	24.6	19.8	77.7	0.0	.2	.2	3.4
2	17.5	25.8	19.6	84.7	.8	1.1	1.9	1.5
3	17.0	25.0	19.3	83.3	0.0	2.2	2.2	3.1
4	17.2	23.3	18.8	89.3	2.4	.2	2.6	.7
5	16.8	24.6	19.3	78.3	1.7	.1	1.8	3.5
6	16.4	25.6	20.2	74.7	.3	0.0	.3	4.5
7	16.8	25.0	19.6	82.3	0.0	0.0	0.0	2.8
8	16.7	24.8	19.3	75.7	0.0	0.0	0.0	1.5
9	16.8	25.4	19.9	74.3	0.0	0.0	0.0	3.3
10	15.6	26.0	19.4	75.7	0.0	1.0	1.0	3.8
11	16.0	24.1	19.0	83.7	.5	1.0	1.5	.8
12	15.8	25.8	19.6	77.0	1.8	.6	2.4	6.1
13	16.5	23.3	19.0	82.0	2.1	0.0	2.1	.5
14	15.2	24.9	18.4	79.7	10.5	.9	11.4	6.2
15	16.2	25.0	19.2	75.7	0.0	0.0	0.0	7.2
16	16.6	24.8	19.2	73.7	0.0	0.0	0.0	8.9
17	16.0	25.0	19.2	78.3	0.0	0.0	0.0	5.1
18	16.8	25.4	19.3	76.7	0.0	.7	.7	6.8
19	16.7	25.2	19.4	78.3	0.0	0.0	0.0	5.1
20	16.8	25.8	19.4	77.3	0.0	0.0	0.0	3.4
21	15.8	24.8	20.0	74.7	0.0	0.0	0.0	3.3
22	18.0	23.8	19.6	79.3	0.0	0.0	0.0	2.0
23	16.0	24.2	19.0	81.7	0.0	0.0	0.0	3.3
24	16.8	23.6	18.4	90.3	9.8	0.0	9.8	.1
25	17.0	24.0	18.9	82.3	4.1	7.4	11.5	2.1
26	17.1	24.2	19.6	82.3	.5	1.4	1.9	2.6
27	17.0	24.4	19.8	78.3	0.0	0.0	0.0	3.4
28	16.7	26.2	20.5	69.3	0.0	5.9	5.9	2.5
29	17.0	26.1	20.6	74.0	0.0	0.0	0.0	6.8
30	15.0	25.6	19.7	80.3	0.0	0.0	0.0	7.8
31	18.0	26.2	20.8	74.0	0.0	0.0	0.0	7.1
Total :					34.5	22.7	57.2	119.2
Promedio :	16.6	24.9	19.5	78.9				

Febrero	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	18.3	26.4	20.2	77.0	0.0	0.0	0.0	3.8
2	16.2	26.2	20.0	77.0	0.0	9.6	9.6	6.4
3	16.8	25.6	19.6	78.7	.1	1.9	2.0	6.5
4	17.0	25.0	19.6	76.3	0.0	0.0	0.0	2.6
5	17.8	22.8	19.1	80.3	0.0	0.0	0.0	.1
6	15.2	25.6	19.6	73.3	0.0	.6	.6	4.6
7	16.6	26.6	20.2	76.3	.5	0.0	.5	3.3
8	17.8	27.0	20.1	76.7	0.0	0.0	0.0	5.6
9	17.7	26.3	20.4	78.0	0.0	0.0	0.0	8.2
10	17.8	24.2	19.6	83.3	.8	0.0	.8	.7
11	17.0	26.8	20.7	74.7	0.0	0.0	0.0	5.5
12	17.1	25.6	19.8	85.3	.4	4.4	4.8	5.5
13	16.8	23.8	18.8	86.7	.6	0.0	.6	0.0
14	16.2	24.6	19.1	81.0	0.0	0.0	0.0	5.0
15	16.4	21.4	18.1	84.7	0.0	0.0	0.0	0.0
16	16.0	26.0	19.8	74.0	0.0	12.2	12.2	6.6
17	17.0	22.4	17.6	92.3	10.0	10.0	20.0	.8
18	16.0	24.0	19.1	79.3	6.4	0.0	6.4	1.8
19	15.2	25.8	19.6	76.3	21.7	6.3	28.0	2.6
20	16.4	22.2	19.2	81.3	2.0	1.0	3.0	.1
21	15.6	26.8	19.6	77.0	.5	3.0	3.5	4.4
22	16.2	25.4	18.8	79.3	1.2	0.0	1.2	.8
23	16.0	25.2	19.3	77.0	0.0	10.0	10.0	1.8
24	16.4	25.6	19.6	73.0	.3	2.3	2.6	3.2
25	16.0	23.0	19.5	79.0	7.4	0.0	7.4	.3
26	17.2	25.1	19.8	75.7	.8	0.0	.8	4.6
27	17.0	25.0	20.5	73.0	.5	8.3	8.8	2.4
28	16.4	23.6	18.8	79.0	.4	5.9	6.3	1.0
29								
30								
31								
Total :					53.6	75.5	129.1	88.2
Promedio :	16.6	24.9	19.5	78.8				

Estación : JULIO FERNANDEZ
Año : 1999

Dpto. : VALLE
Mpio. : RESTREPO

Latitud : 3 ° 48 'N
Longitud : 76 ° 32 'W
Altitud : 1360 m

Marzo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.9	23.8	18.8	76.0	2.5	0.0	2.5	.3
2	15.4	25.2	20.1	68.0	0.0	0.0	0.0	4.4
3	13.4	26.2	19.6	74.0	.3	0.0	.3	7.9
4	16.6	25.0	20.1	73.0	0.0	0.0	0.0	3.7
5	15.8	25.8	19.8	76.3	0.0	0.0	0.0	6.9
6	16.8	26.6	20.8	73.0	0.0	0.0	0.0	7.2
7	16.4	25.8	20.2	75.7	0.0	0.0	0.0	6.8
8	14.2	26.4	20.0	74.7	0.0	0.0	0.0	7.5
9	17.2	25.8	20.0	74.3	0.0	4.5	4.5	6.8
10	16.0	27.2	20.4	77.3	0.0	0.0	0.0	7.1
11	17.2	28.2	20.5	76.0	.4	0.0	.4	4.7
12	15.4	27.2	20.6	75.3	0.0	0.0	0.0	4.4
13	16.2	24.4	19.8	75.0	0.0	0.0	0.0	0.0
14	14.8	26.4	19.7	73.0	0.0	.2	.2	4.8
15	17.6	24.6	19.4	75.3	.4	0.0	.4	2.8
16	16.8	27.4	20.0	75.3	13.7	0.0	13.7	4.8
17	17.0	25.6	20.1	76.7	0.0	19.5	19.5	4.9
18	16.4	25.0	19.7	75.3	0.0	0.0	0.0	5.2
19	15.4	24.1	19.0	76.7	0.0	0.0	0.0	4.8
20	15.2	25.5	19.4	75.0	0.0	0.0	0.0	6.5
21	15.8	25.0	19.7	76.3	0.0	0.0	0.0	3.4
22	17.2	26.4	19.8	74.7	7.0	0.0	7.0	2.8
23	16.4	26.0	20.2	78.0	0.0	0.0	0.0	6.2
24	17.0	26.4	19.6	79.7	0.0	0.0	0.0	3.9
25	16.0	26.1	20.2	75.7	.2	0.0	.2	5.3
26	17.0	25.6	21.0	78.3	0.0	0.0	0.0	2.0
27	17.4	23.5	19.2	78.0	0.0	3.3	3.3	.7
28	16.4	25.0	19.0	82.0	1.2	3.9	5.1	3.1
29	16.0	26.0	19.8	74.3	0.0	0.0	0.0	2.1
30	14.7	25.6	18.6	89.7	6.6	0.0	6.6	5.5
31	17.0	27.1	20.3	76.0	0.0	0.0	0.0	5.7
Total :					32.3	31.4	63.7	142.2
Promedio :	16.1	25.8	19.9	76.1				

Abril	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.4	26.0	20.1	77.0	0.0	0.0	0.0	5.0
2	17.0	26.1	20.6	76.3	0.0	28.3	28.3	4.8
3	16.6	22.2	18.8	83.3	1.1	3.9	5.0	.1
4	16.0	24.8	19.6	74.3	3.4	3.8	7.2	4.2
5	17.0	27.0	20.6	73.0	0.0	9.6	9.6	4.0
6	15.8	25.8	20.0	78.7	0.0	0.0	0.0	3.8
7	17.4	26.0	20.0	77.0	.5	2.4	2.9	6.4
8	17.1	26.4	20.1	77.0	.5	.8	1.3	1.4
9	17.8	25.2	19.7	86.0	.7	.7	1.4	1.1
10	16.6	23.0	18.2	87.3	5.9	.7	6.6	.9
11	15.8	26.8	20.8	77.0	0.0	0.0	0.0	5.0
12	17.8	25.1	20.2	73.7	0.0	.2	.2	4.9
13	17.0	26.6	19.7	77.3	3.3	0.0	3.3	3.6
14	17.4	26.6	20.0	79.7	2.6	.8	3.4	2.1
15	16.8	26.4	20.8	76.0	0.0	.7	.7	.2
16	14.8	28.0	20.8	74.3	0.0	0.0	0.0	8.4
17	18.4	27.8	21.2	73.3	0.0	0.0	0.0	8.0
18	18.2	27.6	21.2	76.0	0.0	0.0	0.0	5.8
19	19.6	26.8	19.8	87.0	5.1	0.0	5.1	2.9
20	17.8	26.2	20.2	78.3	0.0	0.0	0.0	2.8
21	16.4	26.8	20.6	79.3	0.0	0.0	0.0	5.3
22	18.2	27.4	21.2	76.0	0.0	.1	.1	7.7
23	18.8	24.6	20.6	79.3	0.0	4.9	4.9	0.0
24	17.0	24.4	18.6	86.0	5.3	1.2	6.5	1.8
25	16.2	26.0	19.7	80.0	0.0	10.2	10.2	3.1
26	17.0	25.6	19.6	75.3	1.4	1.2	2.6	3.8
27	16.5	23.6	18.1	88.0	6.2	0.0	6.2	2.0
28	15.3	24.0	18.6	89.0	2.2	.1	2.3	3.5
29	17.0	27.2	20.3	78.0	2.1	29.1	31.2	3.0
30	15.6	21.0	17.6	86.3	.5	0.0	.5	.1
31								
Total :					40.8	98.7	139.5	105.7
Promedio :	17.0	25.7	19.9	79.3				

Estación : JULIO FERNANDEZ
Año : 1999

Dpto. : VALLE
Mpio. : RESTREPO

Latitud : 3 ° 48 'N
Longitud : 76 ° 32 'W
Altitud : 1360 m

Mayo	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	14.0	26.0	19.8	79.0	6.6	0.0	6.6	7.9
2	16.6	24.1	19.2	81.0	0.0	.2	.2	3.8
3	16.0	24.3	19.2	77.0	4.7	0.0	4.7	3.1
4	15.9	23.7	18.8	77.7	0.0	0.0	0.0	.9
5	16.6	25.0	19.2	80.7	2.9	4.8	7.7	4.2
6	15.9	25.6	19.4	76.3	.1	2.1	2.2	3.7
7	16.0	26.0	19.7	77.7	5.5	0.0	5.5	4.4
8	16.2	25.1	20.0	79.7	0.0	0.0	0.0	3.4
9	15.4	24.8	18.7	85.3	9.9	0.0	9.9	2.6
10	16.0	25.2	19.9	78.0	0.0	2.0	2.0	9.0
11	15.0	24.0	18.6	76.7	2.4	.3	2.7	2.7
12	15.4	24.0	18.5	86.7	3.7	1.3	5.0	4.8
13	15.2	24.6	18.1	85.3	11.8	0.0	11.8	2.5
14	13.4	25.8	19.7	76.0	0.0	0.0	0.0	5.9
15	16.2	25.6	19.0	84.7	1.5	0.0	1.5	4.3
16	15.4	25.0	19.2	81.0	0.0	.2	.2	6.5
17	15.9	25.8	20.0	79.7	0.0	0.0	0.0	6.7
18	16.0	24.2	20.0	77.0	0.0	0.0	0.0	.9
19	16.1	24.4	19.7	79.7	9.0	0.0	9.0	2.0
20	16.6	24.0	19.2	82.3	7.5	0.0	7.5	2.5
21	14.0	25.9	18.8	81.7	5.0	0.0	5.0	4.2
22	15.4	25.0	19.8	79.3	0.0	5.8	5.8	5.4
23	17.3	27.0	20.8	78.0	0.0	0.0	0.0	4.7
24	18.2	25.6	20.6	77.7	0.0	0.0	0.0	6.4
25	15.9	24.1	18.2	90.3	9.3	0.0	9.3	2.7
26	14.0	26.2	19.6	75.7	0.0	0.0	0.0	5.5
27	17.0	25.0	20.2	78.0	0.0	0.0	0.0	6.0
28	16.8	25.3	19.8	81.3	0.0	0.0	0.0	3.3
29	17.2	24.0	19.9	80.7	.9	0.0	.9	.9
30	17.3	25.7	20.0	81.7	0.0	0.0	0.0	3.2
31	14.9	27.8	20.5	74.7	0.0	1.3	1.3	7.7
Total :					80.8	18.0	98.8	131.8
Promedio :	15.9	25.1	19.5	80.0				

Junio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.5	25.2	19.8	78.3	0.0	11.4	11.4	5.4
2	17.4	26.3	20.2	80.0	0.0	0.0	0.0	5.4
3	17.7	25.8	20.1	80.7	9.6	0.0	9.6	3.0
4	17.0	23.0	18.8	79.0	1.1	2.0	3.1	1.2
5	16.0	24.3	19.0	79.0	2.7	0.0	2.7	1.2
6	14.2	25.1	19.8	77.0	.1	0.0	.1	4.9
7	17.0	25.6	20.0	77.3	0.0	.8	.8	3.8
8	16.7	26.0	19.3	82.0	.9	0.0	.9	1.4
9	14.6	27.4	19.6	80.0	3.9	0.0	3.9	6.9
10	16.2	26.0	20.2	80.3	0.0	.3	.3	6.4
11	16.8	23.5	19.3	79.3	8.4	0.0	8.4	3.2
12	16.2	28.0	20.5	76.3	0.0	10.3	10.3	6.9
13	17.4	23.0	18.8	89.0	6.4	0.0	6.4	1.3
14	14.3	25.0	19.2	83.0	2.3	0.0	2.3	2.7
15	16.0	24.5	19.2	82.3	0.0	.5	.5	1.9
16	16.8	23.5	19.0	82.3	0.0	0.0	0.0	.7
17	16.6	25.0	20.2	76.3	0.0	0.0	0.0	5.8
18	16.4	22.5	19.0	82.3	.2	0.0	.2	.3
19	14.4	26.0	19.1	79.0	5.4	0.0	5.4	4.9
20	17.2	25.0	20.0	79.7	0.0	0.0	0.0	4.0
21	17.8	22.4	19.5	85.3	4.9	.1	5.0	0.0
22	16.6	25.5	19.0	83.0	.5	0.0	.5	6.0
23	16.4	25.9	20.0	78.3	.2	0.0	.2	3.1
24	15.6	26.8	20.3	73.7	0.0	0.0	0.0	4.7
25	14.6	27.0	19.8	77.0	.5	3.4	3.9	3.6
26	15.6	24.5	19.3	77.7	.5	0.0	.5	6.2
27	15.2	27.0	19.6	79.3	4.2	.3	4.5	4.4
28	15.4	22.6	17.4	91.7	7.6	0.0	7.6	.9
29	15.0	25.5	19.8	76.3	0.0	0.0	0.0	5.7
30	15.6	25.5	19.2	79.3	0.0	.1	.1	6.4
31								
Total :					59.4	29.2	88.6	112.3
Promedio :	16.1	25.1	19.5	80.2				

Estación : JULIO FERNANDEZ
Año : 1999

Dpto. : VALLE
Mpio. : RESTREPO

Latitud : 3 ° 48 'N
Longitud : 76 ° 32 'W
Altitud : 1360 m

Julio	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.6	23.0	18.4	86.3	15.0	0.0	15.0	.9
2	15.0	24.5	18.4	81.3	0.0	2.6	2.6	3.8
3	16.2	23.2	18.4	78.3	.3	0.0	.3	1.8
4	13.4	25.8	18.7	75.7	0.0	0.0	0.0	6.8
5	17.0	26.0	19.4	80.7	3.4	.1	3.5	5.8
6	17.1	24.3	19.6	79.7	4.0	0.0	4.0	2.0
7	15.6	24.5	19.0	75.0	7.7	0.0	7.7	2.5
8	15.6	26.8	20.2	74.0	0.0	0.0	0.0	5.7
9	14.8	25.3	19.6	74.3	0.0	0.0	0.0	6.8
10	16.0	27.5	20.3	71.7	0.0	0.0	0.0	8.4
11	17.6	25.2	19.9	78.0	0.0	.1	.1	7.2
12	17.2	25.8	19.9	77.0	0.0	0.0	0.0	6.0
13	15.4	27.5	20.2	74.7	0.0	0.0	0.0	7.2
14	18.0	27.8	21.0	73.0	0.0	0.0	0.0	7.2
15	17.9	26.0	19.8	79.3	0.0	.1	.1	6.5
16	17.4	26.2	20.2	73.3	0.0	0.0	0.0	6.3
17	17.0	26.0	20.4	75.3	0.0	23.8	23.8	8.3
18	17.2	29.4	21.0	74.0	3.6	0.0	3.6	6.1
19	18.0	26.5	20.8	75.3	0.0	.3	.3	7.0
20	16.8	28.5	20.3	78.3	0.0	6.7	6.7	7.1
21	15.8	27.5	20.6	76.7	0.0	0.0	0.0	7.8
22	18.0	25.5	19.7	84.7	6.8	0.0	6.8	2.3
23	17.0	24.5	19.4	80.0	0.0	0.0	0.0	2.5
24	15.8	25.0	19.7	79.0	0.0	0.0	0.0	3.3
25	15.0	26.5	20.8	75.3	0.0	0.0	0.0	8.1
26	18.4	25.5	20.6	80.0	0.0	.4	.4	3.7
27	17.2	26.0	20.5	77.0	.5	.4	.9	4.0
28	18.2	25.5	20.3	75.0	.1	0.0	.1	3.9
29	16.8	25.5	20.5	78.3	0.0	.2	.2	6.6
30	15.4	27.0	20.4	77.7	1.8	0.0	1.8	6.0
31	18.0	26.0	20.5	72.3	.5	0.0	.5	5.9
Total :					43.7	34.7	78.4	167.5
Promedio :	16.6	25.9	20.0	77.1				

Agosto	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	15.2	28.3	20.4	74.3	0.0	0.0	0.0	6.2
2	16.8	25.5	20.2	92.3	0.0	.3	.3	5.9
3	16.0	23.8	19.2	78.7	0.0	0.0	0.0	1.9
4	14.0	25.2	19.2	76.3	0.0	32.6	32.6	5.9
5	16.9	25.5	19.4	81.7	0.0	0.0	0.0	5.8
6	17.5	26.1	20.4	75.7	0.0	8.8	8.8	4.7
7	16.2	25.5	19.9	78.3	0.0	1.2	1.2	4.0
8	16.4	27.5	20.5	72.7	0.0	6.9	6.9	5.7
9	17.0	26.0	20.2	76.0	2.2	0.0	2.2	5.1
10	15.2	26.5	19.7	79.7	0.0	0.0	0.0	5.7
11	17.0	26.0	20.2	75.0	0.0	0.0	0.0	7.2
12	16.3	24.5	19.7	77.3	0.0	0.0	0.0	4.0
13	16.9	24.0	19.2	74.7	0.0	.1	.1	5.6
14	15.8	24.5	18.5	76.7	.5	3.5	4.0	4.6
15	13.8	27.0	19.6	76.0	0.0	0.0	0.0	7.3
16	17.0	27.5	20.6	75.0	0.0	0.0	0.0	5.8
17	15.8	25.5	19.3	72.0	0.0	0.0	0.0	7.9
18	16.9	26.0	19.4	77.0	0.0	0.0	0.0	5.1
19	16.5	24.8	19.6	79.0	0.0	0.0	0.0	6.1
20	16.3	25.0	19.4	77.7	0.0	0.0	0.0	6.4
21	16.0	19.1	17.1	89.3	8.0	0.0	8.0	.1
22	14.4	27.0	19.2	75.3	6.7	2.2	8.9	5.9
23	15.0	25.8	19.8	72.7	26.9	0.0	26.9	8.6
24	16.3	27.9	20.7	73.0	0.0	8.9	8.9	6.2
25	16.0	23.5	18.8	74.3	5.0	.4	5.4	1.5
26	15.9	27.6	19.7	75.7	29.7	0.0	29.7	3.8
27	16.8	26.5	19.6	79.0	5.0	1.4	6.4	2.7
28	17.0	26.5	19.7	80.7	.3	.1	.4	3.6
29	16.2	27.0	20.8	80.0	0.0	0.0	0.0	6.6
30	16.8	28.2	21.2	74.7	0.0	0.0	0.0	3.1
31	17.8	26.5	20.5	79.3	0.0	.2	.2	4.3
Total :					84.3	66.6	150.9	157.3
Promedio :	16.2	25.8	19.7	77.4				

Estación : JULIO FERNANDEZ
Año : 1999

Dpto. : VALLE
Mpio. : RESTREPO

Latitud : 3 ° 48 'N
Longitud : 76 ° 32 'W
Altitud : 1360 m

Septiembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.8	23.0	19.1	85.3	0.0	13.3	13.3	0.0
2	16.6	25.0	19.2	81.7	0.0	0.0	0.0	4.0
3	15.6	26.8	19.4	79.0	4.5	19.7	24.2	4.0
4	16.6	24.0	19.0	82.3	0.0	0.0	0.0	2.9
5	14.8	26.0	20.0	80.0	0.0	0.0	0.0	6.2
6	16.8	25.6	20.1	78.7	0.0	.1	.1	2.2
7	17.0	26.2	20.1	78.3	0.0	1.7	1.7	2.5
8	17.1	25.0	19.4	80.7	0.0	17.4	17.4	2.9
9	16.4	24.0	19.0	82.3	15.4	1.8	17.2	1.8
10	16.6	22.0	18.8	81.0	2.8	0.0	2.8	.5
11	16.3	24.4	19.2	78.7	1.2	3.9	5.1	1.8
12	16.0	24.0	19.3	77.0	2.9	1.4	4.3	4.4
13	16.6	24.7	20.1	69.3	0.0	3.5	3.5	5.6
14	16.8	20.5	18.4	81.7	.2	0.0	.2	0.0
15	15.4	26.5	19.6	71.7	0.0	0.0	0.0	.3
16	16.8	24.3	19.4	79.0	.9	4.3	5.2	4.4
17	15.0	21.0	17.4	86.7	3.1	0.0	3.1	1.0
18	12.4	25.0	19.0	75.7	0.0	0.0	0.0	7.2
19	16.0	24.8	19.4	80.0	0.0	.2	.2	4.8
20	17.2	25.2	19.7	80.3	0.0	12.4	12.4	5.5
21	16.6	26.5	19.6	77.3	15.5	3.7	19.2	0.0
22	16.0	25.0	19.6	78.0	1.4	0.0	1.4	4.1
23	15.7	22.5	17.6	88.3	7.8	.2	8.0	.2
24	14.8	23.5	18.7	80.0	0.0	3.9	3.9	2.5
25	16.2	23.0	18.4	78.7	1.7	3.0	4.7	2.5
26	15.4	23.5	18.3	74.3	.3	0.0	.3	2.4
27	16.6	23.7	18.3	83.0	9.7	0.0	9.7	.9
28	16.2	23.0	18.7	83.0	.4	4.8	5.2	.2
29	15.0	24.9	19.3	76.0	0.0	0.0	0.0	4.0
30	14.6	26.5	19.5	72.3	0.0	8.4	8.4	5.6
31								
Total :					67.8	103.7	171.5	84.4
Promedio :	16.0	24.3	19.1	79.3				

Octubre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.0	23.0	18.6	81.7	0.0	0.0	0.0	2.0
2	15.0	24.8	19.2	79.3	0.0	0.0	0.0	1.6
3	17.0	27.0	20.0	86.0	3.9	0.0	3.9	4.1
4	15.8	25.5	19.2	80.3	0.0	0.0	0.0	3.7
5	15.6	26.5	20.4	73.7	0.0	9.2	9.2	5.0
6	15.8	21.0	18.2	79.7	0.0	0.0	0.0	.1
7	14.2	25.0	19.0	78.7	0.0	0.0	0.0	5.8
8	15.2	26.5	19.9	77.3	0.0	2.0	2.0	7.2
9	17.0	26.0	20.0	74.3	0.0	0.0	0.0	6.5
10	16.2	25.2	19.2	80.0	1.0	0.0	1.0	4.2
11	16.8	25.5	19.2	80.7	1.4	3.1	4.5	6.7
12	16.0	24.0	18.2	89.0	8.4	0.0	8.4	2.3
13	13.4	24.5	18.6	78.7	0.0	0.0	0.0	2.8
14	15.0	24.4	19.5	76.0	0.0	0.0	0.0	4.0
15	17.0	25.5	20.2	78.3	0.0	1.5	1.5	6.6
16	15.4	25.8	19.2	77.0	0.0	.1	.1	3.7
17	16.6	25.0	19.0	78.0	13.0	0.0	13.0	3.6
18	17.0	25.3	19.4	80.0	0.0	12.8	12.8	6.9
19	16.2	25.2	19.3	81.0	3.3	3.3	6.6	3.5
20	17.2	24.3	19.4	79.7	0.0	0.0	0.0	3.2
21	16.9	25.0	19.6	76.3	0.0	1.4	1.4	5.9
22	17.0	25.5	19.4	72.7	0.0	3.1	3.1	3.6
23	16.4	25.0	19.2	84.0	1.8	0.0	1.8	1.7
24	17.2	25.2	20.0	80.0	0.0	.2	.2	1.6
25	17.4	25.5	20.1	75.0	2.8	0.0	2.8	4.2
26	16.8	24.5	19.4	83.3	2.1	2.7	4.8	4.3
27	17.0	24.8	19.4	77.7	.4	7.4	7.8	1.5
28	16.8	23.0	19.2	79.7	1.9	3.4	5.3	.1
29	16.0	25.2	18.9	81.0	.8	27.1	27.9	2.8
30	16.1	26.7	20.1	77.3	.1	0.0	.1	3.2
31	17.4	26.0	20.0	78.0	0.0	.9	.9	6.4
Total :					40.9	78.2	119.1	118.8
Promedio :	16.2	25.0	19.4	79.2				

Estación : JULIO FERNANDEZ
Año : 1999

Dpto. : VALLE
Mpio. : RESTREPO

Latitud : 3 ° 48 'N
Longitud : 76 ° 32 'W
Altitud : 1360 m

Noviembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	17.0	24.5	19.8	80.7	.3	.4	.7	3.6
2	17.0	24.5	18.8	84.0	.6	0.0	.6	2.8
3	16.8	23.5	18.7	88.0	22.9	3.9	26.8	3.5
4	17.0	24.0	19.4	84.3	4.2	4.1	8.3	4.1
5	16.8	25.5	19.9	79.3	0.0	0.0	0.0	3.8
6	17.2	24.0	19.4	83.3	2.5	0.0	2.5	2.2
7	17.0	25.0	19.4	76.7	0.0	0.0	0.0	5.0
8	16.9	24.0	19.5	79.7	0.0	0.0	0.0	.7
9	17.5	25.5	19.8	76.7	2.5	0.0	2.5	5.7
10	17.8	25.0	20.2	77.7	0.0	0.0	0.0	5.3
11	17.8	22.5	18.6	90.7	10.0	.5	10.5	.4
12	17.4	25.0	19.8	78.0	1.3	1.7	3.0	2.2
13	17.2	26.0	19.7	79.0	.3	0.0	.3	2.3
14	16.8	25.3	20.2	76.7	0.0	4.5	4.5	8.1
15	15.4	23.2	17.4	87.7	42.6	0.0	42.6	0.0
16	13.9	25.5	19.0	79.0	1.0	.1	1.1	1.1
17	16.3	23.0	18.4	83.0	3.9	3.1	7.0	1.5
18	16.0	26.0	19.0	80.7	.3	2.0	2.3	1.5
19	16.2	24.7	18.9	86.3	0.0	4.6	4.6	2.7
20	16.2	22.5	17.8	83.3	1.3	9.8	11.1	.4
21	15.0	22.0	18.2	86.3	0.0	9.9	9.9	.2
22	16.0	22.0	18.0	88.7	18.7	.1	18.8	0.0
23	16.1	24.5	18.6	79.0	0.0	1.2	1.2	4.7
24	16.4	23.5	17.9	84.3	2.7	3.7	6.4	1.8
25	15.8	22.5	17.7	90.3	10.3	1.2	11.5	1.6
26	16.0	23.0	18.5	83.0	.2	1.3	1.5	1.8
27	16.2	25.0	19.5	80.3	0.0	0.0	0.0	4.9
28	16.8	25.2	19.9	77.0	0.0	0.0	0.0	5.6
29	17.0	25.5	20.2	77.0	0.0	0.0	0.0	5.9
30	16.6	24.5	19.5	78.0	0.0	12.2	12.2	2.5
31								
Total :					125.6	64.3	189.9	85.9
Promedio :	16.5	24.2	19.1	82.0				

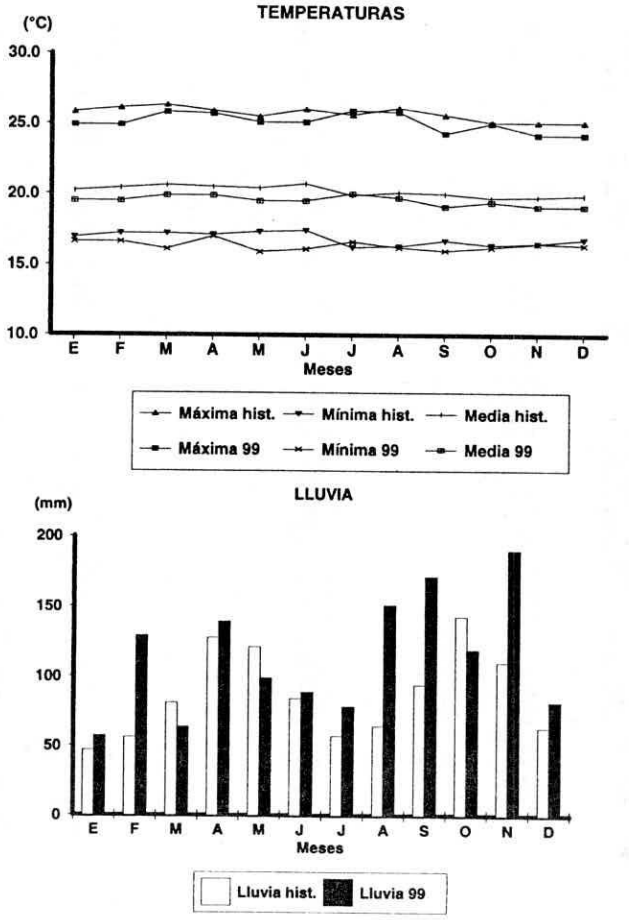
Diciembre	Temperatura (°C) Mín.	Máx	Med.	Hum. Rel. (%)	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	16.8	21.5	18.2	78.7	4.1	0.0	4.1	1.5
2	15.6	26.0	19.5	72.7	0.0	0.0	0.0	5.6
3	17.0	25.0	19.6	76.7	0.0	0.0	0.0	2.8
4	16.8	24.5	19.3	80.3	1.0	11.0	12.0	1.0
5	16.6	23.5	18.8	79.0	0.0	0.0	0.0	2.4
6	16.4	24.5	19.2	84.3	0.0	0.0	0.0	2.8
7	15.8	25.0	18.8	83.3	.2	0.0	.2	2.8
8	16.9	26.0	20.0	79.3	0.0	.3	.3	4.9
9	17.8	25.5	19.8	82.7	0.0	.4	.4	5.6
10	17.2	23.5	19.5	79.0	0.0	0.0	0.0	2.4
11	16.4	25.8	19.7	79.3	0.0	.4	.4	6.1
12	17.2	23.0	18.5	87.0	.5	0.0	.5	2.4
13	17.0	24.0	18.8	85.3	0.0	0.0	0.0	1.3
14	16.6	22.3	18.7	89.0	1.7	.4	2.1	3.9
15	16.9	24.0	19.5	79.7	0.0	19.0	19.0	.4
16	16.6	23.7	18.6	77.0	2.9	2.1	5.0	1.5
17	16.2	23.6	19.1	82.0	3.0	0.0	3.0	1.2
18	16.6	24.0	18.7	85.3	.5	0.0	.5	1.6
19	16.9	24.1	19.2	80.0	.9	0.0	.9	2.6
20	17.0	25.1	19.5	79.7	1.7	8.0	9.7	5.3
21	16.9	22.5	18.9	83.7	.5	1.2	1.7	.4
22	17.0	21.4	18.4	89.0	14.3	2.2	16.5	.1
23	16.2	22.8	18.8	78.7	2.6	0.0	2.6	1.6
24	15.0	24.5	18.4	76.7	1.8	.7	2.5	3.6
25	14.4	25.8	18.6	79.7	0.0	0.0	0.0	6.6
26	15.0	25.5	19.5	75.7	0.0	0.0	0.0	6.3
27	15.2	23.5	19.0	78.0	0.0	0.0	0.0	1.8
28	16.0	24.8	18.8	76.3	0.0	0.0	0.0	8.9
29	15.0	24.0	18.8	76.0	.2	0.0	.2	8.1
30	15.8	25.0	19.1	76.7	0.0	0.0	0.0	6.9
31	16.3	25.4	20.0	75.3	0.0	0.0	0.0	6.9
Total :					35.9	45.7	81.6	109.3
Promedio :	16.4	24.2	19.1	80.2				

Estación : JULIO FERNANDEZ
Año : 1999

Dpto. : VALLE
Mpio. : RESTREPO

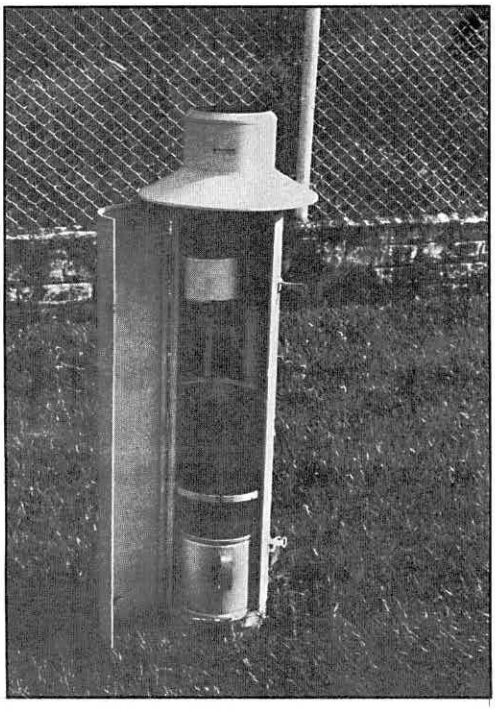
Latitud : 3 ° 48 'N
Longitud : 76 ° 32 'W
Altitud : 1360 m

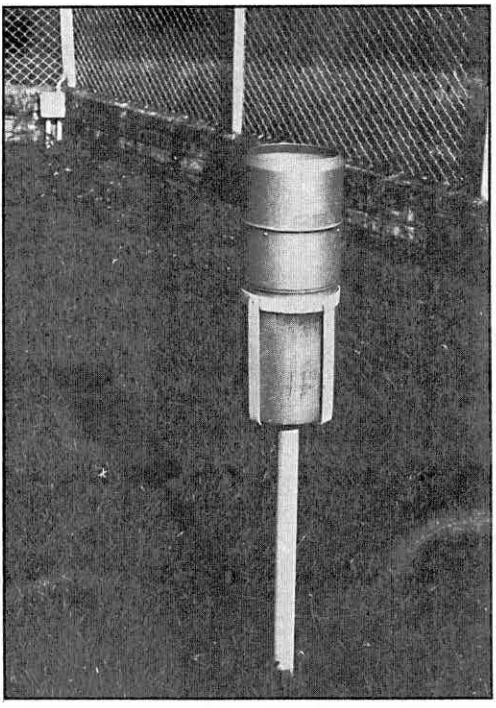
MES	TEMPERATURA °C						PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	16.6	24.9	19.5	26.2	15.0	78.9	57.2	16	119.2
Febrero	16.6	24.9	19.5	27.0	15.2	78.8	129.1	20	88.2
Marzo	16.1	25.8	19.9	28.2	13.4	76.1	63.7	13	142.2
Abril	17.0	25.7	19.9	28.0	14.8	79.3	139.5	22	105.7
Mayo	15.9	25.1	19.5	27.8	13.4	80.0	98.8	20	131.8
Junio	16.1	25.1	19.5	28.0	14.2	80.2	88.6	24	112.3
Julio	16.6	25.9	20.0	29.4	13.4	77.1	78.4	19	167.5
Agosto	16.2	25.8	19.7	28.3	13.8	77.4	150.9	17	157.3
Septiembre	16.0	24.3	19.1	26.8	12.4	79.3	171.5	24	84.4
Octubre	16.2	25.0	19.4	27.0	13.4	79.2	119.1	22	118.8
Noviembre	16.5	24.2	19.1	26.0	13.9	82.0	189.9	23	85.9
Diciembre	16.4	24.2	19.1	26.0	14.4	80.2	81.6	19	109.3
Promedio :	16.4	25.1	19.5			79.0			
Absoluta :				29.4	12.4				
Total :							1368.3	239	1422.6





ESTACIONES HELIOPLUVIOGRAFICAS





Estación : EL REFUGIO
Año : 1999

Dpto. : CALDAS
Mpio. : NEIRA

Latitud : 5 ° 11 ' N
Longitud : 75 ° 35 ' W
Altitud : 1320 m

Enero

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total	Brillo Sol.(h)
1	0.0	3.2	3.2	5.6
2	6.0	23.5	29.5	1.0
3	.4	2.0	2.4	5.1
4	32.0	0.0	32.0	7.6
5	0.0	0.0	0.0	5.1
6	0.0	0.0	0.0	7.0
7	0.0	0.0	0.0	8.5
8	0.0	0.0	0.0	1.8
9	0.0	0.0	0.0	4.4
10	0.0	6.0	6.0	3.7
11	0.0	0.0	0.0	2.5
12	0.0	0.0	0.0	1.6
13	0.0	0.0	0.0	8.5
14	0.0	0.0	0.0	.6
15	0.0	1.3	1.3	8.0
16	0.0	0.0	0.0	1.4
17	0.0	0.0	0.0	10.4
18	0.0	0.0	0.0	6.4
19	0.0	0.0	0.0	5.5
20	0.0	0.0	0.0	4.3
21	0.0	0.0	0.0	7.2
22	0.0	0.0	0.0	2.6
23	0.0	0.0	0.0	4.7
24	0.0	0.0	0.0	.7
25	0.0	0.0	0.0	1.3
26	0.0	11.2	11.2	7.7
27	15.9	29.1	45.0	5.9
28	9.4	0.0	9.4	.2
29	.1	.4	.5	7.3
30	0.0	0.0	0.0	9.4
31	0.0	0.0	0.0	5.3
	63.8	76.7	140.5	151.3

Febrero

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total	Brillo Sol.(h)
1	0.0	0.0	0.0	1.2
2	0.0	10.0	10.0	5.1
3	0.0	0.0	0.0	5.4
4	0.0	0.0	0.0	2.5
5	0.0	40.0	40.0	.3
6	0.0	8.6	8.6	1.3
7	0.0	4.1	4.1	3.0
8	0.0	1.2	1.2	7.5
9	0.0	25.8	25.8	7.9
10	.4	0.0	.4	0.0
11	0.0	4.5	4.5	5.1
12	0.0	0.0	0.0	1.4
13	.9	.3	1.2	0.0
14	0.0	0.0	0.0	1.4
15	2.2	0.0	2.2	.4
16	0.0	5.3	5.3	2.6
17	13.0	0.0	13.0	.1
18	0.0	0.0	0.0	3.7
19	0.0	17.2	17.2	4.5
20	0.0	.2	.2	3.1
21	.3	7.9	8.2	4.8
22	0.0	0.0	0.0	1.6
23	2.7	15.4	18.1	2.5
24	0.0	22.0	22.0	1.8
25	9.1	2.6	11.7	3.5
26	0.0	0.0	0.0	7.6
27	0.0	0.0	0.0	.6
28	13.2	0.0	13.2	2.0
29				
30				
31				
	41.8	165.1	206.9	80.9

Marzo

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total	Brillo Sol.(h)
1	0.0	0.0	0.0	4.5
2	0.0	1.0	1.0	8.5
3	.2	0.0	.2	7.6
4	0.0	0.0	0.0	3.3
5	0.0	0.0	0.0	8.2
6	0.0	0.0	0.0	8.1
7	0.0	0.0	0.0	6.4
8	0.0	1.4	1.4	9.2
9	0.0	0.0	0.0	1.9
10	0.0	0.0	0.0	6.2
11	0.0	0.0	0.0	4.7
12	0.0	.3	.3	5.2
13	0.0	0.0	0.0	1.3
14	0.0	0.0	0.0	6.4
15	0.0	0.0	0.0	1.8
16	0.0	0.0	0.0	2.6
17	13.0	0.0	13.0	6.6
18	0.0	2.8	2.8	1.4
19	22.2	0.0	22.2	5.2
20	0.0	0.0	0.0	4.8
21	0.0	.9	.9	4.4
22	0.0	.7	.7	1.7
23	0.0	.2	.2	.5
24	0.0	0.0	0.0	.8
25	0.0	0.0	0.0	5.9
26	.2	0.0	.2	4.0
27	0.0	0.0	0.0	0.0
28	.9	8.2	9.1	.5
29	.3	0.0	.3	4.1
30	.1	2.8	2.9	5.6
31	.3	0.0	.3	5.5
	37.2	18.3	55.5	136.9

Abril

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total	Brillo Sol.(h)
1	0.0	0.0	0.0	1.5
2	0.0	43.6	43.6	4.4
3	0.0	0.0	0.0	0.0
4	4.9	0.0	4.9	3.0
5	.2	0.0	.2	6.6
6	0.0	17.4	17.4	9.5
7	16.6	20.3	36.9	4.5
8	47.0	0.0	47.0	2.5
9	2.0	0.0	2.0	.6
10	11.0	0.0	11.0	1.0
11	0.0	.8	.8	4.4
12	4.0	0.0	4.0	5.9
13	.2	0.0	.2	2.1
14	0.0	4.0	4.0	3.2
15	.6	0.0	.6	3.4
16	.2	0.0	.2	7.9
17	0.0	0.0	0.0	11.2
18	0.0	0.0	0.0	5.8
19	0.0	0.0	0.0	5.9
20	.2	0.0	.2	4.2
21	0.0	.1	.1	4.9
22	.2	0.0	.2	9.6
23	22.0	20.0	42.0	0.0
24	0.0	0.0	0.0	1.7
25	9.0	0.0	9.0	.7
26	2.4	.4	2.8	2.0
27	0.0	1.8	1.8	1.5
28	5.9	2.7	8.6	3.3
29	0.0	66.0	66.0	5.1
30	1.3	0.0	1.3	0.0
31				
	127.7	177.1	304.8	116.4

Mayo

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total	Brillo Sol.(h)
1	.8	0.0	.8	6.1
2	1.2	0.0	1.2	1.5
3	0.0	43.4	43.4	4.5
4	.1	0.0	.1	.8
5	0.0	24.5	24.5	6.0
6	0.0	45.8	45.8	6.1
7	.1	50.8	50.9	5.0
8	0.0	.4	.4	3.4
9	.5	48.0	48.5	2.3
10	0.0	0.0	0.0	8.2
11	0.0	.1	.1	1.9
12	.1	17.0	17.1	4.8
13	0.0	.1	.1	3.2
14	0.0	0.0	0.0	6.7
15	0.0	0.0	0.0	3.5
16	0.0	0.0	0.0	9.6
17	0.0	0.0	0.0	10.3
18	0.0	0.0	0.0	2.3
19	0.0	0.0	0.0	3.2
20	0.0	0.0	0.0	4.4
21	0.0	0.0	0.0	2.2
22	1.0	0.0	1.0	.7
23	0.0	0.0	0.0	7.8
24	0.0	0.0	0.0	8.7
25	0.0	.3	.3	7.2
26	0.0	0.0	0.0	9.7
27	0.0	0.0	0.0	6.9
28	0.0	0.0	0.0	1.8
29	0.0	16.9	16.9	1.5
30	1.4	0.0	1.4	.5
31	0.0	33.7	33.7	5.2
	5.2	281.0	286.2	146.0

Junio

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total	Brillo Sol.(h)
1	0.0	1.2	1.2	6.7
2	0.0	0.0	0.0	.9
3	0.0	0.0	0.0	8.6
4	1.1	2.8	3.9	.3
5	1.5	0.0	1.5	.8
6	.7	0.0	.7	2.2
7	2.5	6.1	8.6	1.9
8	0.0	.6	.6	3.0
9	.2	.9	1.1	4.1
10	0.0	.3	.3	9.5
11	6.6	0.0	6.6	4.1
12	0.0	4.7	4.7	5.5
13	5.9	0.0	5.9	.5
14	3.0	0.0	3.0	3.3
15	2.3	6.6	8.9	.2
16	3.8	0.0	3.8	2.2
17	0.0	2.1	2.1	5.5
18	2.0	0.0	2.0	.3
19	0.0	0.0	0.0	4.0
20	0.0	0.0	0.0	1.3
21	1.4	.3	1.7	0.0
22	0.0	0.0	0.0	4.5
23	0.0	0.0	0.0	3.3
24	0.0	0.0	0.0	4.4
25	0.0	0.0	0.0	2.7
26	0.0	0.0	0.0	4.8
27	.5	14.6	15.1	.8
28	0.0	0.0	0.0	1.6
29	.2	.1	.3	4.6
30	0.0	0.0	0.0	8.5
31				
	31.7	40.3	72.0	100.1

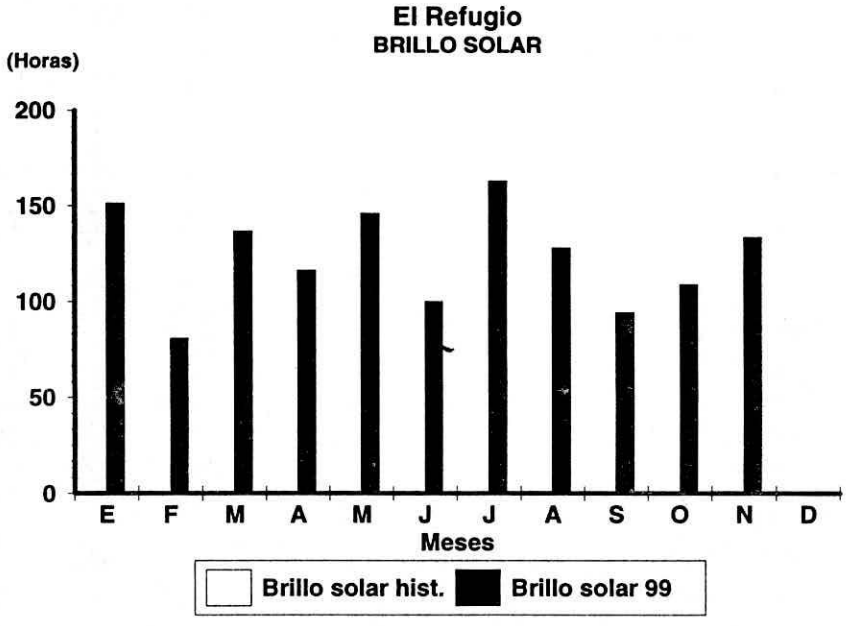
Estación : EL REFUGIO
Año : 1999

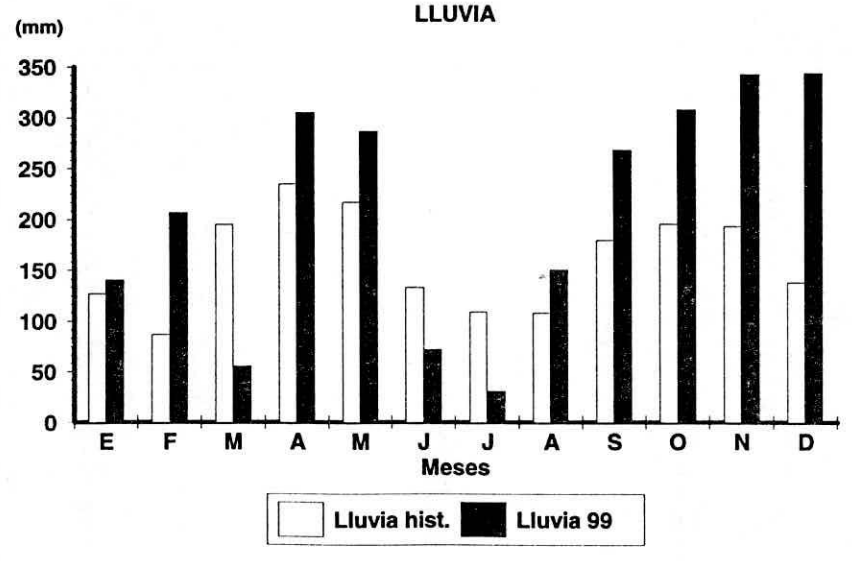
Dpto. : CALDAS
Mpio. : NEIRA

Latitud : 5 ° 11 ' N
Longitud : 75 ° 35 ' W
Altitud : 1320 m

	Julio				*Agosto*				*Septiembre*			
	Precipitación (mm)			Brillo	Precipitación (mm)			Brillo	Precipitación (mm)			Brillo
N°Día	Día	Noche	Total	Sol.(h)	Día	Noche	Total	Sol.(h)	Día	Noche	Total	Sol.(h)
1	.1	.9	1.0	2.8	0.0	0.0	0.0	6.2	25.1	33.4	58.5	1.4
2	0.0	0.0	0.0	4.7	0.0	5.5	5.5	3.4	0.0	0.0	0.0	3.7
3	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.5	0.0	.7	.7	2.7
4	0.0	0.0	0.0	4.8	0.0	0.0	0.0	4.4	1.4	0.0	1.4	5.1
5	0.0	0.0	0.0	6.3	0.0	.4	.4	6.5	0.0	0.0	0.0	1.0
6	0.0	0.0	0.0	6.1	0.0	44.1	44.1	3.8	0.0	0.0	0.0	6.0
7	.5	0.0	.5	1.9	0.0	0.0	0.0	2.6	0.0	14.6	14.6	4.7
8	0.0	7.0	7.0	2.4	0.0	0.0	0.0	5.0	.2	0.0	.2	3.3
9	0.0	0.0	0.0	4.8	0.0	0.0	0.0	3.2	4.0	10.0	14.0	3.0
10	0.0	0.0	0.0	10.3	0.0	0.0	0.0	5.0	4.9	.3	5.2	2.2
11	.2	0.0	.2	5.3	0.0	0.0	0.0	8.4	.3	19.6	19.9	.7
12	0.0	0.0	0.0	3.8	0.0	0.0	0.0	10.0	.9	0.0	.9	.7
13	0.0	0.0	0.0	7.6	7.0	0.0	7.0	3.8	9.7	19.2	28.9	5.0
14	0.0	0.0	0.0	9.6	8.0	20.0	28.0	5.5	0.0	0.0	0.0	1.0
15	.5	0.0	.5	9.6	0.0	0.0	0.0	8.1	0.0	0.0	0.0	5.3
16	0.0	.7	.7	4.5	0.0	0.0	0.0	8.3	0.0	0.0	0.0	5.9
17	0.0	0.0	0.0	8.4	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	8.4
19	0.0	4.6	4.6	5.3	0.0	0.0	0.0	2.7	0.0	0.0	0.0	3.6
20	.7	7.9	8.6	4.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	5.7
21	0.0	0.0	0.0	8.6	52.0	0.0	52.0	2.2	0.0	68.0	68.0	6.0
22	0.0	0.0	0.0	5.7	0.0	0.0	0.0	2.0	0.0	0.0	0.0	3.9
23	.5	0.0	.5	5.6	.3	.2	.5	3.8	2.1	0.0	2.1	0.0
24	0.0	0.0	0.0	2.8	0.0	1.6	1.6	1.9	4.3	3.5	7.8	6.1
25	0.0	0.0	0.0	7.9	3.6	0.0	3.6	6.0	8.0	20.0	28.0	1.9
26	0.0	0.0	0.0	5.1	3.4	1.3	4.7	1.2	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	4.9	0.0	0.0	0.0	.5	2.1	8.2	10.3	0.0
28	0.0	0.0	0.0	5.4	0.0	0.0	0.0	3.4	6.1	1.0	7.1	.7
29	0.0	0.0	0.0	.6	0.0	1.7	1.7	0.0	0.0	0.0	0.0	.3
30	0.0	0.0	0.0	9.4	0.0	0.0	0.0	.4	0.0	0.0	0.0	5.0
31	7.0	0.0	7.0	4.9	0.0	0.0	0.0	5.0				
	9.5	21.1	30.6	163.1	74.3	75.8	150.1	128.1	69.1	198.5	267.6	94.3

	Octubre				*Noviembre*				*Diciembre*			
	Precipitación (mm)			Brillo	Precipitación (mm)			Brillo	Precipitación (mm)			Brillo
N°Día	Día	Noche	Total	Sol.(h)	Día	Noche	Total	Sol.(h)	Día	Noche	Total	Sol.(h)
1	0.0	0.0	0.0	0.0	.4	9.8	10.2	8.2	0.0	23.0	23.0	
2	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3	0.0	0.0	0.0	3.4	0.0	17.6	17.6	5.3	0.0	.1	.1	
4	22.0	15.0	37.0	2.1	.3	.8	1.1	3.5	35.9	11.6	47.5	
5	15.0	0.0	15.0	2.1	0.0	2.4	2.4	6.6	20.0	0.0	20.0	
6	0.0	0.0	0.0	.6	53.2	7.3	60.5	.4	.5	1.8	2.3	
7	0.0	0.0	0.0	5.4	0.0	4.8	4.8	2.8	0.0	0.0	0.0	
8	0.0	6.0	6.0	6.6	0.0	9.3	9.3	1.1	0.0	11.0	11.0	
9	0.0	0.0	0.0	5.5	0.0	6.3	6.3	6.4	0.0	0.0	0.0	
10	0.0	0.0	0.0	2.6	.2	12.3	12.5	7.1	0.0	2.0	2.0	
11	1.0	2.6	3.6	5.5	0.0	0.0	0.0	0.0	0.0	2.2	2.2	
12	2.6	9.8	12.4	0.0	15.0	20.0	35.0	4.1	11.2	7.6	18.8	
13	0.0	0.0	0.0	7.4	0.0	8.0	8.0	0.0	0.0	11.0	11.0	
14	3.0	1.0	4.0	5.8	0.0	0.0	0.0	10.9	48.0	35.0	83.0	
15	10.0	11.0	21.0	4.3	0.0	0.0	0.0	.9	0.0	0.0	0.0	
16	2.0	0.0	2.0	.5	0.0	6.5	6.5	10.0	0.0	0.0	0.0	
17	1.5	0.0	1.5	1.3	0.0	21.0	21.0	8.5	20.0	29.0	49.0	
18	1.4	17.2	18.6	7.6	0.0	2.3	2.3	0.0	0.0	30.0	30.0	
19	0.0	0.0	0.0	7.7	0.0	53.0	53.0	2.9	0.0	1.6	1.6	
20	0.0	0.0	0.0	4.0	0.0	0.0	0.0	1.3	0.0	.7	.7	
21	56.6	9.8	66.4	0.0	4.0	0.0	4.0	1.9	0.0	0.0	0.0	
22	0.0	0.0	0.0	2.7	2.2	0.0	2.2	.1	0.0	0.0	0.0	
23	3.0	0.0	3.0	2.1	.8	9.2	10.0	7.4	0.0	41.0	41.0	
24	1.6	1.4	3.0	4.0	16.0	2.0	18.0	3.8	0.0	0.0	0.0	
25	0.0	0.0	0.0	1.5	0.0	0.0	0.0	5.2	0.0	0.0	0.0	
26	.3	48.0	48.3	3.8	2.5	0.0	2.5	8.3	0.0	0.0	0.0	
27	0.0	3.4	3.4	6.9	15.0	12.0	27.0	7.7	0.0	0.0	0.0	
28	0.0	57.0	57.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	
29	.1	3.4	3.5	3.6	0.0	25.8	25.8	7.6	0.0	0.0	0.0	
30	1.9	0.0	1.9	1.3	2.4	0.0	2.4	6.0	0.0	.2	.2	
31	0.0	0.0	0.0	6.6					0.0	0.0	0.0	
	122.0	185.6	307.6	109.1	112.0	230.4	342.4	133.7	135.6	207.8	343.4	


El Refugio
BRILLO SOLAR
(Horas)
200
150
100
50
0
E F M A M J J A S O N D
Meses
Brillo solar hist.
Brillo solar 99


LLUVIA
(mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : BREMEN
Año : 1999

Dpto. : QUINDIO
Mpio. : CIRCASIA

Latitud : 4 ° 40 ' N
Longitud : 75 ° 37 ' W
Altitud : 2040 m

Enero

N°Dia	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	7.1	0.0	7.1	1.3
2	4.4	0.0	4.4	2.9
3	4.9	.2	5.1	2.6
4	10.5	46.4	56.9	1.1
5	3.5	.6	4.1	2.9
6	21.9	27.1	49.0	3.0
7	4.3	6.3	10.6	1.2
8	11.3	12.4	23.7	.5
9	.2	12.0	12.2	.2
10	13.8	0.0	13.8	1.7
11	0.0	0.0	0.0	.1
12	.8	4.6	5.4	.9
13	0.0	.4	.4	4.7
14	.1	2.4	2.5	1.1
15	0.0	0.0	0.0	6.4
16	0.0	0.0	0.0	.3
17	0.0	0.0	0.0	3.7
18	3.7	0.0	3.7	2.8
19	1.2	16.0	17.2	1.2
20	.9	0.0	.9	.8
21	0.0	0.0	0.0	3.5
22	31.3	0.0	31.3	1.4
23	14.6	.2	14.8	1.7
24	5.5	2.1	7.6	.6
25	16.3	9.3	25.6	1.2
26	15.5	6.0	21.5	.9
27	64.7	.3	65.0	1.1
28	6.0	0.0	6.0	0.0
29	13.8	0.0	13.8	2.7
30	0.0	2.4	2.4	4.1
31	1.4	0.0	1.4	2.5
	257.7	148.7	406.4	59.1

Febrero

N°Dia	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	7.6	14.3	21.9	2.2
2	1.9	.2	2.1	2.3
3	2.6	1.6	4.2	1.4
4	9.2	0.0	9.2	.8
5	10.0	36.9	46.9	1.8
6	1.2	30.0	31.2	1.5
7	2.1	0.0	2.1	.5
8	0.0	0.0	0.0	7.2
9	0.0	0.0	0.0	7.6
10	0.0	0.0	0.0	.1
11	1.4	0.0	1.4	4.1
12	7.1	0.0	7.1	.5
13	16.1	.1	16.2	.1
14	4.4	0.0	4.4	1.7
15	20.9	0.0	20.9	0.0
16	26.4	.1	26.5	0.0
17	1.8	26.3	28.1	0.0
18	16.0	.1	16.1	0.0
19	23.8	30.4	54.2	1.1
20	2.3	0.0	2.3	.6
21	5.5	20.7	26.2	1.6
22	15.7	62.2	77.9	1.3
23	17.8	11.2	29.0	1.6
24	3.6	7.2	10.8	0.0
25	4.9	1.1	6.0	.9
26	22.8	8.8	31.6	1.2
27	1.7	14.2	15.9	2.3
28	8.4	15.9	24.3	0.0
29				
30				
31				
	235.2	281.3	516.5	42.4

Marzo

N°Dia	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	1.0	1.2	2.2	.5
2	6.5	0.0	6.5	1.7
3	4.5	1.5	6.0	3.7
4	.3	0.0	.3	1.2
5	6.5	0.0	6.5	5.7
6	3.5	.6	4.1	3.7
7	14.6	0.0	14.6	1.5
8	9.4	6.9	16.3	2.8
9	8.4	0.0	8.4	1.2
10	0.0	0.0	0.0	2.6
11	0.0	0.0	0.0	4.0
12	4.4	0.0	4.4	4.0
13	4.4	0.0	4.4	2.4
14	.1	2.1	2.2	1.3
15	2.8	13.1	15.9	.6
16	.3	1.3	1.6	.8
17	8.6	17.3	25.9	2.8
18	10.6	2.5	13.1	.8
19	56.0	47.2	103.2	.3
20	5.3	0.0	5.3	1.8
21	1.1	2.1	3.2	1.4
22	12.9	.2	13.1	.5
23	0.0	0.0	0.0	.7
24	5.4	0.0	5.4	1.7
25	2.9	0.0	2.9	2.6
26	0.0	0.0	0.0	3.6
27	.7	.3	1.0	1.2
28	19.7	8.8	28.5	.5
29	.4	0.0	.4	5.3
30	26.0	0.0	26.0	2.0
31	0.0	0.0	0.0	2.5
	216.3	105.1	321.4	65.4

Abril

N°Dia	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	.4	0.0	.4	1.1
2	6.1	8.3	14.4	3.3
3	.2	0.0	.2	.7
4	8.5	13.4	21.9	.6
5	5.4	.1	5.5	4.5
6	9.1	0.0	9.1	4.2
7	.6	23.3	23.9	2.5
8	18.0	.8	18.8	0.0
9	30.5	0.0	30.5	0.0
10	34.2	4.1	38.3	.2
11	1.9	1.0	2.9	.7
12	7.6	2.8	10.4	1.5
13	0.0	.2	.2	2.2
14	30.6	.8	31.4	1.0
15	1.4	0.0	1.4	2.4
16	0.0	0.0	0.0	8.9
17	0.0	0.0	0.0	8.5
18	0.0	0.0	0.0	4.9
19	.4	0.0	.4	5.3
20	0.0	0.0	0.0	1.2
21	0.0	0.0	0.0	4.7
22	0.0	0.0	0.0	6.9
23	1.0	0.0	1.0	0.0
24	12.0	0.0	12.0	.8
25	26.0	3.6	29.6	1.8
26	19.6	10.0	29.6	.9
27	11.1	0.0	11.1	.2
28	1.2	0.0	1.2	1.8
29	1.3	16.8	18.1	3.5
30	9.1	0.0	9.1	0.0
31				
	236.2	85.2	321.4	74.3

Mayo

N°Dia	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	9.7	1.1	10.8	4.1
2	14.0	0.0	14.0	.4
3	5.6	18.8	24.4	4.2
4	3.7	0.0	3.7	0.0
5	26.7	0.0	26.7	4.6
6	1.8	36.6	38.4	2.1
7	16.6	0.0	16.6	2.9
8	5.5	0.0	5.5	1.9
9	0.0	49.4	49.4	.7
10	.4	0.0	.4	5.9
11	10.0	1.3	11.3	0.0
12	23.1	18.3	41.4	1.8
13	6.7	.5	7.2	.1
14	0.0	0.0	0.0	1.3
15	.4	0.0	.4	2.2
16	1.4	0.0	1.4	2.9
17	0.0	0.0	0.0	6.0
18	.9	0.0	.9	1.5
19	0.0	0.0	0.0	3.9
20	0.0	0.0	0.0	4.4
21	.2	.5	.7	2.0
22	.8	0.0	.8	1.5
23	0.0	0.0	0.0	5.5
24	0.0	0.0	0.0	6.2
25	0.0	0.0	0.0	2.6
26	.7	0.0	.7	3.7
27	0.0	0.0	0.0	3.0
28	1.6	0.0	1.6	.7
29	0.0	0.0	0.0	2.2
30	0.0	.4	.4	4.8
31	7.5	0.0	7.5	6.7
	137.3	126.9	264.2	89.8

Junio

N°Dia	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	0.0	4.5	4.5	2.8
2	2.3	0.0	2.3	1.7
3	7.3	0.0	7.3	2.9
4	19.3	6.3	25.6	.2
5	25.5	0.0	25.5	1.0
6	17.4	0.0	17.4	1.3
7	3.3	10.9	14.2	.5
8	2.6	.6	3.2	.3
9	14.4	.3	14.7	3.2
10	7.0	1.1	8.1	5.6
11	1.4	0.0	1.4	.4
12	6.0	3.0	9.0	3.0
13	20.8	1.4	22.2	.1
14	0.0	0.0	0.0	2.0
15	30.4	0.0	30.4	1.0
16	4.4	1.9	6.3	.4
17	2.8	1.3	4.1	1.1
18	24.8	0.0	24.8	.1
19	0.0	0.0	0.0	.8
20	1.9	0.0	1.9	.9
21	6.6	0.0	6.6	.1
22	0.0	0.0	0.0	2.3
23	4.2	0.0	4.2	1.1
24	0.0	9.6	9.6	1.3
25	0.0	0.0	0.0	.6
26	18.9	36.8	55.7	.3
27	2.0	6.8	8.8	.3
28	0.0	0.0	0.0	.4
29	18.6	.1	18.7	3.5
30	0.0	.4	.4	3.3
31				
	241.9	85.0	326.9	42.5

Estación : BREMEN
Año : 1999

Dpto. : QUINDIO
Mpio. : CIRCASIA

Latitud : 4 ° 40 ' N
Longitud : 75 ° 37 ' W
Altitud : 2040 m

Julio

N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	8.7	.8	9.5	.1
2	.5	0.0	.5	.9
3	0.0	1.7	1.7	.7
4	2.2	0.0	2.2	5.0
5	1.5	0.0	1.5	5.6
6	1.2	0.0	1.2	2.7
7	0.0	0.0	0.0	4.0
8	0.0	0.0	0.0	5.1
9	0.0	0.0	0.0	7.5
10	0.0	0.0	0.0	6.9
11	11.4	0.0	11.4	3.0
12	0.0	0.0	0.0	4.3
13	0.0	0.0	0.0	8.1
14	0.0	0.0	0.0	9.1
15	0.0	0.0	0.0	6.0
16	0.0	0.0	0.0	4.7
17	0.0	0.0	0.0	8.4
18	0.0	0.0	0.0	5.0
19	35.7	.3	36.0	2.2
20	0.0	.4	.4	4.3
21	0.0	0.0	0.0	8.4
22	0.0	0.0	0.0	2.9
23	5.4	0.0	5.4	1.4
24	0.0	0.0	0.0	4.0
25	0.0	0.0	0.0	7.8
26	0.0	0.0	0.0	5.7
27	0.0	0.0	0.0	3.8
28	0.0	0.0	0.0	2.9
29	0.0	0.0	0.0	1.9
30	0.0	0.0	0.0	6.5
31	0.0	0.0	0.0	5.3
	66.6	3.2	69.8	144.2

Agosto

N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	0.0	0.0	0.0	6.9
2	0.0	0.0	0.0	3.4
3	10.7	0.0	10.7	3.6
4	0.0	0.0	0.0	2.6
5	5.0	0.0	5.0	3.2
6	0.0	24.1	24.1	2.6
7	3.2	.5	3.7	.4
8	0.0	.6	.6	5.3
9	0.0	0.0	0.0	4.0
10	.2	0.0	.2	7.5
11	0.0	0.0	0.0	3.5
12	0.0	0.0	0.0	2.5
13	8.9	4.5	13.4	2.1
14	.6	3.1	3.7	1.7
15	0.0	.1	.1	4.7
16	0.0	0.0	0.0	7.0
17	2.9	0.0	2.9	1.3
18	0.0	0.0	0.0	3.9
19	1.0	0.0	1.0	4.2
20	0.0	0.0	0.0	4.2
21	44.7	0.0	44.7	0.0
22	.6	0.0	.6	6.0
23	3.9	0.0	3.9	2.7
24	3.1	.2	3.3	3.1
25	32.2	7.5	39.7	0.0
26	11.5	0.0	11.5	1.9
27	1.0	0.0	1.0	1.9
28	0.0	5.3	5.3	.6
29	0.0	0.0	0.0	8.4
30	0.0	0.0	0.0	4.7
31	0.0	0.0	0.0	8.4
	129.5	45.9	175.4	112.3

Septiembre

N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	20.1	11.5	31.6	1.6
2	.5	0.0	.5	1.6
3	.1	0.0	.1	3.2
4	1.7	.1	1.8	.4
5	.7	0.0	.7	.9
6	35.0	.3	35.3	4.6
7	3.8	7.5	11.3	2.1
8	.6	0.0	.6	1.7
9	.1	23.1	23.2	1.7
10	14.1	.2	14.3	.3
11	6.5	29.0	35.5	1.6
12	6.5	0.0	6.5	.1
13	37.1	11.7	48.8	2.0
14	1.1	0.0	1.1	.1
15	.5	0.0	.5	3.6
16	7.4	3.5	10.9	2.7
17	0.0	0.0	0.0	2.7
18	0.0	0.0	0.0	4.7
19	0.0	0.0	0.0	2.0
20	1.2	0.0	1.2	3.4
21	3.9	6.6	10.5	1.0
22	0.0	0.0	0.0	.9
23	26.6	0.0	26.6	.6
24	6.0	.1	6.1	1.6
25	4.8	39.0	43.8	.4
26	11.9	44.1	56.0	1.2
27	5.5	4.3	9.8	0.0
28	4.9	4.7	9.6	.2
29	0.0	0.0	0.0	2.2
30	0.0	.2	.2	2.8
31				
	200.6	185.9	386.5	51.9

Octubre

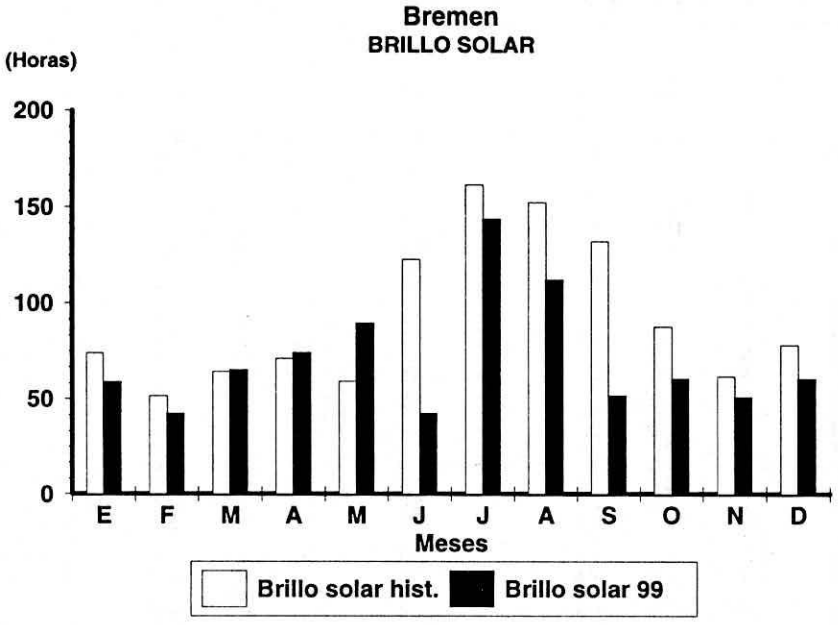
N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	11.9	.2	12.1	.1
2	.6	.3	.9	4.7
3	33.8	8.6	42.4	2.5
4	0.0	0.0	0.0	3.0
5	42.3	.4	42.7	1.4
6	8.9	0.0	8.9	.2
7	1.2	.8	2.0	1.5
8	0.0	.8	.8	4.8
9	10.3	0.0	10.3	1.2
10	7.0	0.0	7.0	1.6
11	.5	.2	.7	1.7
12	13.1	0.0	13.1	3.8
13	0.0	0.0	0.0	8.0
14	1.7	2.4	4.1	3.4
15	0.0	3.0	3.0	1.7
16	0.0	0.0	0.0	.7
17	0.0	0.0	0.0	1.8
18	12.5	.1	12.6	3.0
19	1.4	0.0	1.4	2.7
20	0.0	2.8	2.8	2.1
21	.1	0.0	.1	1.1
22	1.8	2.2	4.0	1.0
23	0.0	.7	.7	.3
24	1.4	6.5	7.9	2.4
25	1.0	8.6	9.6	.2
26	8.2	43.3	51.5	2.0
27	2.7	32.2	34.9	1.0
28	21.2	.3	21.5	.3
29	4.0	12.9	16.9	1.3
30	4.2	0.0	4.2	0.0
31	0.0	0.0	0.0	1.4
	189.8	126.3	316.1	60.9

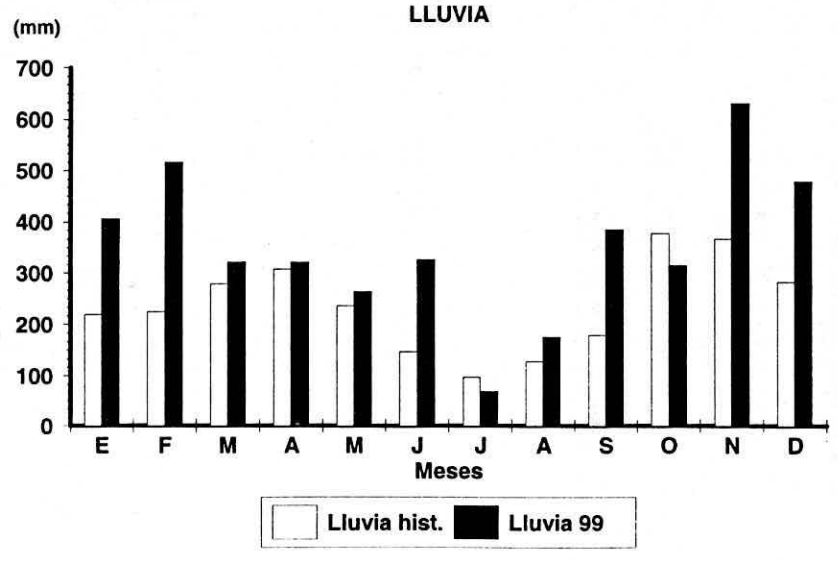
Noviembre

N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	4.0	4.7	8.7	2.3
2	22.6	.3	22.9	1.8
3	15.3	3.3	18.6	.5
4	10.7	4.3	15.0	.9
5	.8	0.0	.8	1.3
6	47.6	.2	47.8	.4
7	.1	13.5	13.6	.9
8	7.1	.2	7.3	.2
9	5.8	0.0	5.8	2.5
10	.2	7.5	7.7	2.0
11	1.2	.4	1.6	.1
12	11.2	31.3	42.5	1.8
13	3.1	.2	3.3	1.2
14	0.0	5.3	5.3	6.1
15	3.8	0.0	3.8	.7
16	4.1	30.4	34.5	7.3
17	4.1	63.1	67.2	3.9
18	5.9	0.0	5.9	1.9
19	0.0	8.6	8.6	.3
20	46.7	68.9	115.6	.1
21	14.8	38.0	52.8	.3
22	7.3	0.0	7.3	0.0
23	6.4	8.7	15.1	2.0
24	27.9	8.2	36.1	1.9
25	17.4	2.0	19.4	1.3
26	16.8	6.8	23.6	2.8
27	8.2	.3	8.5	.8
28	0.0	0.0	0.0	2.2
29	0.0	0.0	0.0	2.1
30	32.6	.9	33.5	1.4
31				
	325.7	307.1	632.8	51.0

Diciembre

N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	8.6	4.1	12.7	.1
2	14.5	0.0	14.5	.8
3	0.0	1.3	1.3	.4
4	1.4	2.0	3.4	.4
5	.6	6.3	6.9	.7
6	8.5	0.0	8.5	.4
7	2.3	0.0	2.3	1.7
8	0.0	0.0	0.0	3.9
9	1.6	1.9	3.5	1.6
10	5.6	0.0	5.6	1.0
11	23.3	0.0	23.3	4.6
12	18.6	25.1	43.7	.2
13	14.7	0.0	14.7	1.7
14	2.4	60.7	63.1	.6
15	20.1	10.7	30.8	1.1
16	4.1	0.0	4.1	.3
17	3.7	3.3	7.0	.3
18	10.6	4.4	15.0	.6
19	7.2	.8	8.0	1.9
20	21.8	0.0	21.8	1.3
21	10.4	46.1	56.5	.3
22	26.4	15.9	42.3	0.0
23	.1	.5	.6	3.9
24	65.8	23.3	89.1	.4
25	0.0	0.0	0.0	3.5
26	0.0	0.0	0.0	5.6
27	0.0	0.0	0.0	5.9
28	0.0	0.0	0.0	6.7
29	0.0	0.0	0.0	3.2
30	0.0	0.0	0.0	3.7
31	.4	.7	1.1	4.0
	272.7	207.1	479.8	60.8


Bremen
BRILLO SOLAR
(Horas)
200
150
100
50
0
E F M A M J J A S O N D
Meses
Brillo solar hist.
Brillo solar 99


LLUVIA
(mm)
700
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : LA ROCALLOSA
Año : 1999

Dpto. : QUINDIO
Mpio. : ARMENIA

Latitud : 4 ° 34 ' N
Longitud : 75 ° 39 ' W
Altitud : 1550 m

Enero

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total	Brillo Sol.(h)
1	0.0	0.0	0.0	4.5
2	4.8	.7	5.5	3.4
3	44.0	43.7	87.7	3.4
4	14.5	26.8	41.3	3.1
5	1.5	2.5	4.0	2.9
6	11.5	20.0	31.5	3.6
7	5.8	15.0	20.8	2.9
8	.4	7.5	7.9	.9
9	1.3	38.7	40.0	.8
10	30.6	6.4	37.0	4.1
11	0.0	0.0	0.0	.2
12	2.8	5.9	8.7	.6
13	0.0	0.0	0.0	6.2
14	0.0	0.0	0.0	2.5
15	0.0	0.0	0.0	8.4
16	1.7	0.0	1.7	1.1
17	0.0	0.0	0.0	2.6
18	23.1	.2	23.3	4.0
19	2.8	0.0	2.8	2.0
20	7.4	0.0	7.4	.6
21	0.0	0.0	0.0	4.5
22	12.4	0.0	12.4	2.3
23	1.2	.2	1.4	.7
24	0.0	2.4	2.4	2.0
25	.3	0.0	.3	4.0
26	2.9	30.1	33.0	2.3
27	25.0	0.0	25.0	2.5
28	8.4	0.0	8.4	0.0
29	8.8	0.0	8.8	5.3
30	.3	.7	1.0	6.1
31	22.0	0.0	22.0	2.6
	233.5	200.8	434.3	90.1

Febrero

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total	Brillo Sol.(h)
1	8.6	20.7	29.3	2.8
2	.7	4.9	5.6	1.7
3	4.5	.4	4.9	3.2
4	1.4	0.0	1.4	.6
5	.4	22.5	22.9	2.3
6	6.5	57.4	63.9	2.1
7	0.0	0.0	0.0	.9
8	0.0	0.0	0.0	8.1
9	0.0	0.0	0.0	8.4
10	31.1	0.0	31.1	.2
11	10.9	.1	11.0	5.3
12	8.5	.8	9.3	1.4
13	8.9	.1	9.0	0.0
14	.5	0.0	.5	1.9
15	32.2	.1	32.3	0.0
16	1.3	.3	1.6	.8
17	1.0	40.6	41.6	0.0
18	33.4	.7	34.1	.9
19	29.4	22.5	51.9	4.3
20	1.6	0.0	1.6	.7
21	0.0	22.8	22.8	3.1
22	1.2	13.1	14.3	1.5
23	9.5	8.6	18.1	1.1
24	0.0	10.9	10.9	.2
25	.4	.2	.6	2.5
26	2.6	3.6	6.2	2.8
27	.3	46.4	46.7	1.7
28	8.2	31.1	39.3	.1
29				
30				
31				
	203.1	307.8	510.9	58.6

Marzo

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total	Brillo Sol.(h)
1	.2	.9	1.1	.5
2	6.7	0.0	6.7	2.2
3	24.3	.9	25.2	5.1
4	.6	0.0	.6	1.8
5	0.0	0.0	0.0	4.7
6	5.2	.1	5.3	3.6
7	9.3	0.0	9.3	4.0
8	0.0	24.7	24.7	2.3
9	11.0	0.0	11.0	1.2
10	0.0	0.0	0.0	2.9
11	0.0	0.0	0.0	4.8
12	.6	0.0	.6	4.2
13	4.3	0.0	4.3	1.9
14	0.0	3.7	3.7	1.4
15	2.2	35.2	37.4	1.8
16	.4	.3	.7	.2
17	0.0	38.8	38.8	3.0
18	1.5	1.5	3.0	.4
19	16.0	17.0	33.0	.8
20	15.0	0.0	15.0	2.5
21	.4	3.6	4.0	2.0
22	0.0	3.5	3.5	1.1
23	0.0	0.0	0.0	2.3
24	7.0	0.0	7.0	1.6
25	0.0	0.0	0.0	3.1
26	0.0	0.0	0.0	2.7
27	0.0	0.0	0.0	.7
28	8.7	6.0	14.7	.9
29	1.7	0.0	1.7	3.7
30	3.8	0.0	3.8	1.5
31	5.8	0.0	5.8	1.6
	124.7	136.2	260.9	70.5

Abril

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total	Brillo Sol.(h)
1	0.0	0.0	0.0	.6
2	3.0	28.3	31.3	3.1
3	0.0	0.0	0.0	.4
4	0.0	34.5	34.5	.9
5	0.0	0.0	0.0	5.2
6	3.4	.1	3.5	3.7
7	23.9	9.5	33.4	2.3
8	7.4	1.0	8.4	.1
9	.5	0.0	.5	.5
10	50.7	.8	51.5	0.0
11	0.0	2.3	2.3	2.9
12	0.0	3.2	3.2	1.4
13	0.0	1.1	1.1	1.3
14	.3	.9	1.2	.4
15	7.5	.6	8.1	1.7
16	0.0	0.0	0.0	6.7
17	0.0	0.0	0.0	6.4
18	0.0	0.0	0.0	4.2
19	1.8	0.0	1.8	5.3
20	0.0	0.0	0.0	1.4
21	0.0	0.0	0.0	4.2
22	0.0	0.0	0.0	7.6
23	4.3	0.0	4.3	.9
24	33.0	10.4	43.4	1.3
25	25.6	3.4	29.0	2.2
26	6.0	9.9	15.9	1.3
27	24.1	0.0	24.1	0.0
28	14.4	.5	14.9	2.2
29	11.7	38.5	50.2	4.2
30	1.7	0.0	1.7	0.0
31				
	219.3	145.0	364.3	72.4

Mayo

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total	Brillo Sol.(h)
1	24.0	2.5	26.5	6.2
2	2.4	0.0	2.4	.7
3	.3	18.1	18.4	3.8
4	2.4	0.0	2.4	0.0
5	4.2	0.0	4.2	5.4
6	.8	34.3	35.1	2.7
7	6.9	0.0	6.9	2.1
8	16.0	0.0	16.0	1.4
9	.6	22.3	22.9	1.8
10	0.0	0.0	0.0	6.5
11	0.0	.9	.9	.3
12	.7	6.5	7.2	3.0
13	4.3	.4	4.7	.3
14	0.0	.2	.2	2.8
15	.5	0.0	.5	2.9
16	0.0	0.0	0.0	4.6
17	0.0	0.0	0.0	6.1
18	.8	0.0	.8	1.5
19	0.0	0.0	0.0	4.3
20	0.0	0.0	0.0	3.4
21	1.6	.2	1.8	2.1
22	0.0	0.0	0.0	1.7
23	0.0	0.0	0.0	5.7
24	0.0	0.0	0.0	6.5
25	0.0	0.0	0.0	3.4
26	0.0	0.0	0.0	3.9
27	0.0	0.0	0.0	3.9
28	1.2	0.0	1.2	.4
29	0.0	0.0	0.0	1.2
30	0.0	1.2	1.2	2.3
31	0.0	0.0	0.0	8.1
	66.7	86.6	153.3	99.0

Junio

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total	Brillo Sol.(h)
1	0.0	9.0	9.0	4.6
2	2.5	0.0	2.5	1.8
3	.4	0.0	.4	3.6
4	2.5	2.0	4.5	.1
5	2.4	.8	3.2	.8
6	.5	0.0	.5	.5
7	22.2	13.3	35.5	2.1
8	1.4	.1	1.5	1.0
9	4.4	.1	4.5	4.1
10	0.0	2.0	2.0	6.4
11	1.0	0.0	1.0	.5
12	.6	0.0	.6	4.9
13	13.5	3.9	17.4	.1
14	25.1	0.0	25.1	2.8
15	1.7	0.0	1.7	1.7
16	16.5	6.4	22.9	1.5
17	.5	10.0	10.5	2.9
18	9.2	0.0	9.2	.3
19	8.0	0.0	8.0	1.2
20	0.0	0.0	0.0	2.1
21	7.6	0.0	7.6	.1
22	1.6	0.0	1.6	3.4
23	.8	0.0	.8	.7
24	0.0	0.0	0.0	2.3
25	2.5	7.5	10.0	1.9
26	1.7	31.8	33.5	.7
27	1.4	7.0	8.4	.5
28	.2	0.0	.2	.5
29	0.0	.7	.7	4.6
30	0.0	.1	.1	4.0
31				
	128.2	94.7	222.9	61.7

Estación : LA ROCALLOSA
Año : 1999

Dpto. : QUINDIO
Mpio. : ARMENIA

Latitud : 4 ° 34 ' N
Longitud : 75 ° 39 ' W
Altitud : 1550 m

Julio

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total (mm)	Brillo Sol.(h)
1	0.0	.8	.8	.4
2	5.1	.5	5.6	1.1
3	0.0	3.7	3.7	.9
4	0.0	0.0	0.0	4.2
5	0.0	0.0	0.0	5.3
6	0.0	0.0	0.0	3.0
7	0.0	0.0	0.0	3.9
8	.8	0.0	.8	4.2
9	0.0	0.0	0.0	6.4
10	0.0	0.0	0.0	8.4
11	3.1	0.0	3.1	4.7
12	0.0	0.0	0.0	5.8
13	0.0	0.0	0.0	8.7
14	0.0	0.0	0.0	10.0
15	0.0	0.0	0.0	7.7
16	0.0	0.0	0.0	3.8
17	0.0	0.0	0.0	8.1
18	0.0	.4	.4	6.1
19	0.0	0.0	0.0	2.9
20	0.0	.4	.4	4.9
21	0.0	0.0	0.0	7.1
22	0.0	0.0	0.0	2.3
23	.6	0.0	.6	2.3
24	0.0	.2	.2	3.5
25	0.0	0.0	0.0	8.2
26	0.0	.1	.1	2.9
27	0.0	0.0	0.0	2.5
28	.2	0.0	.2	2.3
29	0.0	0.0	0.0	1.0
30	0.0	0.0	0.0	6.7
31	0.0	0.0	0.0	3.6
	9.8	6.1	15.9	142.9

Agosto

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total (mm)	Brillo Sol.(h)
1	0.0	0.0	0.0	7.9
2	0.0	0.0	0.0	1.9
3	0.0	0.0	0.0	3.4
4	0.0	0.0	0.0	4.4
5	0.0	0.0	0.0	2.9
6	14.6	14.4	29.0	0.0
7	.7	.5	1.2	1.1
8	0.0	0.0	0.0	6.1
9	0.0	0.0	0.0	3.6
10	0.0	0.0	0.0	7.4
11	0.0	0.0	0.0	5.2
12	0.0	0.0	0.0	4.4
13	5.3	.4	5.7	2.5
14	.3	2.3	2.6	2.4
15	0.0	0.0	0.0	3.4
16	0.0	0.0	0.0	7.7
17	0.0	0.0	0.0	3.4
18	0.0	0.0	0.0	6.3
19	0.0	0.0	0.0	3.6
20	0.0	0.0	0.0	5.1
21	36.4	0.0	36.4	0.0
22	0.0	0.0	0.0	5.4
23	2.3	0.0	2.3	3.4
24	2.1	.1	2.2	3.7
25	22.9	8.5	31.4	0.0
26	.4	0.0	.4	1.7
27	1.4	0.0	1.4	.7
28	0.0	5.1	5.1	.9
29	0.0	0.0	0.0	7.7
30	0.0	0.0	0.0	4.0
31	0.0	0.0	0.0	6.3
	86.4	31.3	117.7	116.5

Septiembre

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total (mm)	Brillo Sol.(h)
1	28.5	12.3	40.8	2.3
2	0.0	0.0	0.0	1.8
3	25.9	0.0	25.9	1.9
4	.8	.7	1.5	1.6
5	0.0	0.0	0.0	.4
6	5.3	.1	5.4	4.1
7	.1	3.1	3.2	2.8
8	.7	.1	.8	.8
9	16.7	33.0	49.7	.1
10	3.9	.6	4.5	.3
11	5.9	25.9	31.8	1.5
12	5.1	0.0	5.1	.6
13	0.0	15.2	15.2	1.3
14	.9	.2	1.1	0.0
15	.6	0.0	.6	3.3
16	5.6	2.8	8.4	3.5
17	.3	0.0	.3	1.0
18	0.0	0.0	0.0	3.0
19	0.0	0.0	0.0	4.3
20	10.7	0.0	10.7	2.3
21	12.4	3.3	15.7	.9
22	.9	0.0	.9	.5
23	.1	0.0	.1	1.0
24	7.1	.1	7.2	2.6
25	10.4	26.8	37.2	.2
26	8.2	35.6	43.8	1.4
27	3.9	13.6	17.5	0.0
28	16.5	9.4	25.9	.8
29	.2	0.0	.2	.9
30	.1	1.4	1.5	3.6
31				
	170.8	184.2	355.0	48.8

Octubre

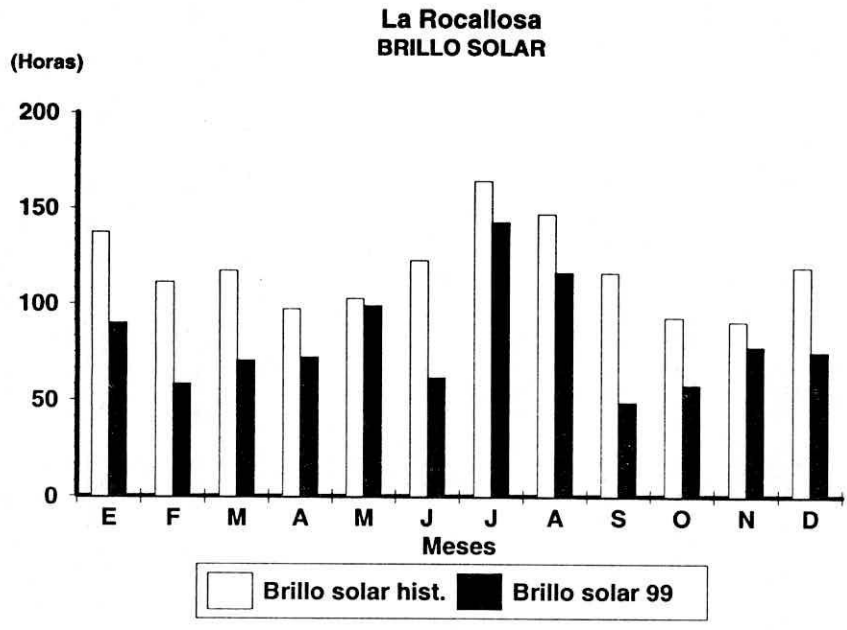
N°Día	Precipitación Día	Precipitación Noche	Precipitación Total (mm)	Brillo Sol.(h)
1	2.1	0.0	2.1	0.0
2	0.0	0.0	0.0	1.9
3	5.5	10.0	15.5	2.1
4	0.0	0.0	0.0	2.0
5	27.4	.2	27.6	1.3
6	26.5	0.0	26.5	.4
7	.4	1.2	1.6	2.5
8	11.8	.6	12.4	3.9
9	0.0	0.0	0.0	1.5
10	0.0	0.0	0.0	1.3
11	7.0	12.7	19.7	.9
12	7.6	0.0	7.6	4.3
13	0.0	0.0	0.0	5.3
14	0.0	0.0	0.0	2.2
15	0.0	3.1	3.1	1.0
16	0.0	0.0	0.0	.5
17	0.0	0.0	0.0	1.8
18	29.6	0.0	29.6	3.3
19	0.0	0.0	0.0	4.3
20	0.0	0.0	0.0	2.9
21	0.0	0.0	0.0	.5
22	.5	2.5	3.0	1.3
23	.3	.4	.7	1.1
24	.3	4.6	4.9	1.5
25	.6	0.0	.6	1.2
26	2.2	18.2	20.4	1.8
27	23.2	17.8	41.0	1.9
28	13.3	1.5	14.8	0.0
29	8.0	45.0	53.0	3.0
30	4.8	0.0	4.8	.7
31	.2	.7	.9	1.4
	171.3	118.5	289.8	57.8

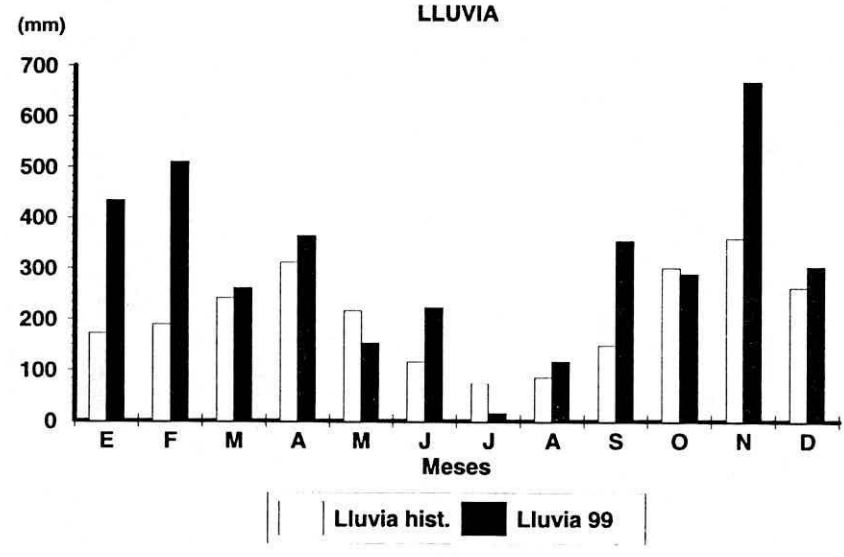
Noviembre

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total (mm)	Brillo Sol.(h)
1	0.0	0.0	0.0	3.5
2	58.2	11.0	69.2	2.5
3	.4	.4	.8	1.7
4	5.0	49.5	54.5	1.8
5	1.1	0.0	1.1	2.1
6	26.1	0.0	26.1	1.8
7	16.4	13.5	29.9	1.2
8	10.0	.6	10.6	.2
9	1.2	0.0	1.2	3.4
10	1.5	2.0	3.5	4.2
11	3.5	.4	3.9	.1
12	24.7	50.8	75.5	2.6
13	11.9	0.0	11.9	.9
14	0.0	13.9	13.9	7.0
15	1.5	0.0	1.5	.9
16	0.0	8.0	8.0	8.4
17	7.9	91.4	99.3	6.2
18	4.0	0.0	4.0	1.3
19	.1	54.1	54.2	.5
20	7.9	50.4	58.3	.9
21	5.8	47.0	52.8	2.1
22	2.4	0.0	2.4	.2
23	23.5	12.2	35.7	2.7
24	1.7	4.7	6.4	1.5
25	5.9	1.2	7.1	3.9
26	9.7	3.2	12.9	4.9
27	0.0	.1	.1	1.5
28	0.0	0.0	0.0	3.7
29	3.6	0.0	3.6	4.3
30	20.6	1.3	21.9	1.9
31				
	254.6	415.7	670.3	77.9

Diciembre

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total (mm)	Brillo Sol.(h)
1	8.8	1.1	9.9	.1
2	5.4	27.2	32.6	2.2
3	0.0	.8	.8	.5
4	.8	4.3	5.1	.2
5	.7	4.9	5.6	.8
6	.5	0.0	.5	1.3
7	0.0	0.0	0.0	3.2
8	.4	0.0	.4	2.8
9	.9	.5	1.4	2.3
10	10.0	0.0	10.0	1.2
11	.2	0.0	.2	2.8
12	13.6	15.8	29.4	.7
13	0.0	0.0	0.0	.8
14	.9	24.1	25.0	1.6
15	3.2	12.5	15.7	1.1
16	.4	4.3	4.7	.4
17	0.0	10.7	10.7	.4
18	4.5	4.5	9.0	3.3
19	3.4	8.4	11.8	2.5
20	1.8	0.0	1.8	2.2
21	4.8	14.8	19.6	1.0
22	48.9	9.2	58.1	2.9
23	0.0	0.0	0.0	.3
24	25.0	27.1	52.1	2.7
25	.4	0.0	.4	2.9
26	0.0	0.0	0.0	6.6
27	0.0	0.0	0.0	6.3
28	0.0	0.0	0.0	8.8
29	0.0	0.0	0.0	5.5
30	0.0	0.0	0.0	5.1
31	0.0	0.0	0.0	2.6
	134.6	170.2	304.8	75.1


La Rocallosa
BRILLO SOLAR
(Horas)
200
150
100
50
0
E F M A M J J A S O N D
Meses
Brillo solar hist.
Brillo solar 99


LLUVIA
(mm)
700
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : LA ELVIRA
Año : 1999

Dpto. : RISARALDA
Mpio. : BELEN DE UMBRIA

Latitud : 5 ° 12 ' N
Longitud : 75 ° 52 ' W
Altitud : 1520 m

Enero

N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	0.0	.3	.3	2.9
2	.6	.8	1.4	2.9
3	.8	0.0	.8	3.9
4	0.0	60.0	60.0	3.5
5	5.6	.3	5.9	0.0
6	2.1	0.0	2.1	1.8
7	0.0	0.0	0.0	2.3
8	.2	8.4	8.6	1.0
9	.8	1.2	2.0	1.3
10	2.0	2.3	4.3	1.1
11	0.0	1.0	1.0	.5
12	.6	0.0	.6	.3
13	0.0	3.1	3.1	3.5
14	0.0	0.0	0.0	.6
15	0.0	0.0	0.0	5.6
16	3.3	0.0	3.3	.7
17	0.0	0.0	0.0	7.1
18	0.0	0.0	0.0	6.4
19	0.0	18.6	18.6	4.4
20	9.4	0.0	9.4	2.5
21	11.5	.3	11.8	4.5
22	0.0	0.0	0.0	2.4
23	0.0	.6	.6	2.1
24	0.0	6.7	6.7	.4
25	.5	0.0	.5	1.7
26	0.0	1.2	1.2	4.5
27	0.0	9.3	9.3	1.3
28	6.3	0.0	6.3	.3
29	0.0	0.0	0.0	4.9
30	0.0	2.0	2.0	4.7
31	4.6	0.0	4.6	3.0
	48.3	116.1	164.4	82.1

Febrero

N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	0.0	2.8	2.8	0.0
2	.3	.1	.4	2.9
3	.6	4.5	5.1	1.7
4	.4	0.0	.4	.6
5	0.0	19.0	19.0	1.0
6	32.0	0.0	32.0	.3
7	.4	.8	1.2	2.6
8	0.0	0.0	0.0	7.3
9	0.0	.5	.5	7.3
10	2.9	0.0	2.9	.4
11	0.0	7.3	7.3	4.7
12	0.0	0.0	0.0	0.0
13	.2	4.7	4.9	.3
14	.5	2.6	3.1	2.3
15	5.7	.2	5.9	.6
16	4.7	4.5	9.2	.4
17	9.0	0.0	9.0	1.8
18	1.1	.8	1.9	1.0
19	.3	9.0	9.3	2.3
20	.3	0.0	.3	1.2
21	7.9	1.5	9.4	2.6
22	9.4	0.0	9.4	1.0
23	8.8	2.6	11.4	2.4
24	30.5	26.5	57.0	2.7
25	0.0	0.0	0.0	4.0
26	.3	3.1	3.4	2.7
27	4.8	42.2	47.0	1.8
28	26.0	54.0	80.0	.3
	146.1	186.7	332.8	56.2

Marzo

N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	2.2	0.0	2.2	1.2
2	0.0	0.0	0.0	4.6
3	0.0	0.0	0.0	3.7
4	.4	0.0	.4	1.7
5	0.0	0.0	0.0	6.2
6	0.0	3.4	3.4	5.6
7	9.6	0.0	9.6	1.6
8	0.0	.7	.7	3.7
9	3.9	.3	4.2	1.2
10	.5	0.0	.5	3.2
11	0.0	0.0	0.0	5.4
12	0.0	0.0	0.0	4.4
13	0.0	0.0	0.0	.6
14	3.5	36.5	40.0	3.0
15	2.7	5.8	8.5	1.3
16	2.3	4.2	6.5	3.2
17	1.0	14.8	15.8	3.7
18	0.0	40.7	40.7	1.0
19	9.9	0.0	9.9	2.0
20	0.0	0.0	0.0	.9
21	.8	.7	1.5	1.6
22	.6	.9	1.5	2.6
23	0.0	.8	.8	1.1
24	0.0	0.0	0.0	.9
25	0.0	0.0	0.0	4.0
26	0.0	0.0	0.0	1.1
27	.5	.2	.7	.3
28	9.3	0.0	9.3	.7
29	1.6	0.0	1.6	4.4
30	0.0	0.0	0.0	3.2
31	0.0	0.0	0.0	4.3
	48.8	109.0	157.8	82.4

Abril

N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	0.0	0.0	0.0	2.6
2	.1	23.1	23.2	3.8
3	3.2	0.0	3.2	0.0
4	0.0	.9	.9	4.5
5	0.0	.1	.1	6.7
6	0.0	1.9	1.9	4.2
7	3.4	4.2	7.6	2.4
8	0.0	8.3	8.3	1.0
9	12.4	0.0	12.4	1.6
10	9.2	0.0	9.2	.2
11	0.0	29.6	29.6	4.7
12	0.0	6.0	6.0	4.2
13	0.0	2.8	2.8	3.5
14	1.3	8.1	9.4	2.8
15	2.3	0.0	2.3	2.3
16	0.0	0.0	0.0	7.8
17	0.0	0.0	0.0	8.8
18	0.0	0.0	0.0	5.6
19	1.5	.1	1.6	6.0
20	.9	0.0	.9	1.2
21	0.0	0.0	0.0	5.0
22	0.0	16.4	16.4	.8
23	0.0	6.9	6.9	0.0
24	1.2	8.1	9.3	.2
25	7.6	1.7	9.3	3.6
26	0.0	5.3	5.3	2.3
27	2.5	0.0	2.5	.1
28	0.0	1.3	1.3	2.4
29	.6	30.7	31.3	5.0
30	8.1	0.0	8.1	0.0
31				
	54.3	155.5	209.8	93.3

Mayo

N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	0.0	.9	.9	5.8
2	6.2	0.0	6.2	1.8
3	0.0	9.4	9.4	3.0
4	0.0	.7	.7	0.0
5	0.0	20.6	20.6	6.0
6	6.0	3.7	9.7	2.6
7	0.0	1.0	1.0	3.1
8	0.0	0.0	0.0	3.7
9	.9	8.5	9.4	3.6
10	0.0	0.0	0.0	5.9
11	1.7	1.6	3.3	.5
12	9.9	23.2	33.1	4.2
13	0.0	.1	.1	2.5
14	0.0	0.0	0.0	4.1
15	7.4	0.0	7.4	4.1
16	0.0	0.0	0.0	5.6
17	0.0	0.0	0.0	5.2
18	0.0	1.3	1.3	2.2
19	.6	0.0	.6	5.0
20	.2	.3	.5	5.9
21	0.0	.9	.9	4.7
22	0.0	2.3	2.3	3.5
23	0.0	0.0	0.0	8.2
24	0.0	0.0	0.0	6.9
25	0.0	0.0	0.0	5.6
26	0.0	0.0	0.0	7.8
27	0.0	0.0	0.0	4.6
28	0.0	0.0	0.0	1.6
29	0.0	2.1	2.1	3.2
30	0.0	0.0	0.0	6.1
31	0.0	.2	.2	6.4
	32.9	76.8	109.7	133.4

Junio

N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	.6	1.7	2.3	6.4
2	0.0	0.0	0.0	.1
3	1.6	.2	1.8	4.4
4	7.9	27.0	34.9	.2
5	0.0	0.0	0.0	2.4
6	1.2	2.1	3.3	3.2
7	.4	34.3	34.7	2.2
8	10.7	13.8	24.5	2.2
9	7.5	1.8	9.3	3.4
10	0.0	1.2	1.2	7.5
11	9.4	0.0	9.4	3.9
12	0.0	0.0	0.0	4.9
13	109.0	10.9	119.9	0.0
14	12.0	0.0	12.0	3.9
15	7.7	15.9	23.6	1.4
16	11.7	37.0	48.7	1.9
17	0.0	4.3	4.3	3.9
18	12.1	1.4	13.5	.1
19	.3	0.0	.3	3.5
20	.7	19.5	20.2	2.7
21	25.6	.9	26.5	.5
22	.2	0.0	.2	3.5
23	0.0	0.0	0.0	2.3
24	0.0	32.0	32.0	3.2
25	0.0	.7	.7	3.7
26	41.5	6.8	48.3	1.4
27	.4	14.6	15.0	4.0
28	.8	0.0	.8	.6
29	0.0	0.0	0.0	4.1
30	0.0	0.0	0.0	5.7
31				
	261.3	226.1	487.4	87.2

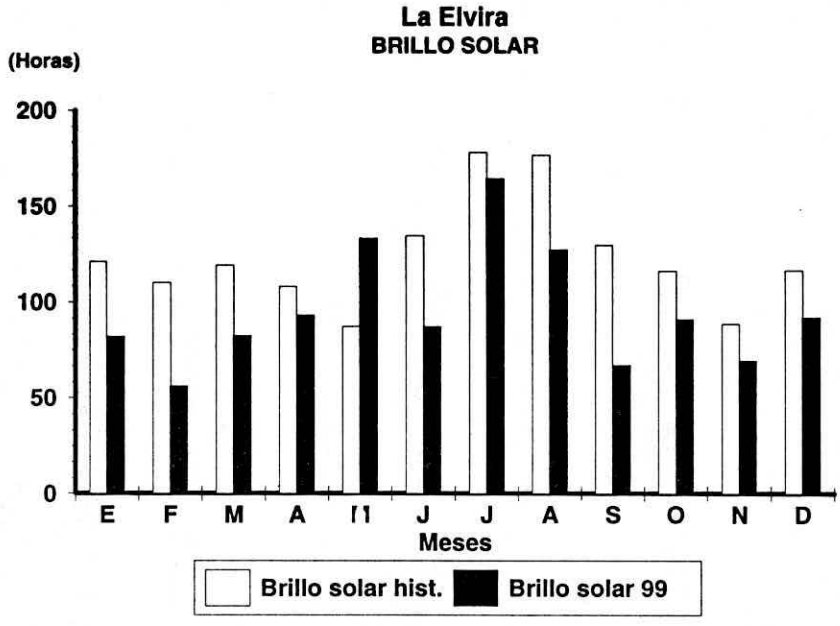
Estación : LA ELVIRA
Año : 1999

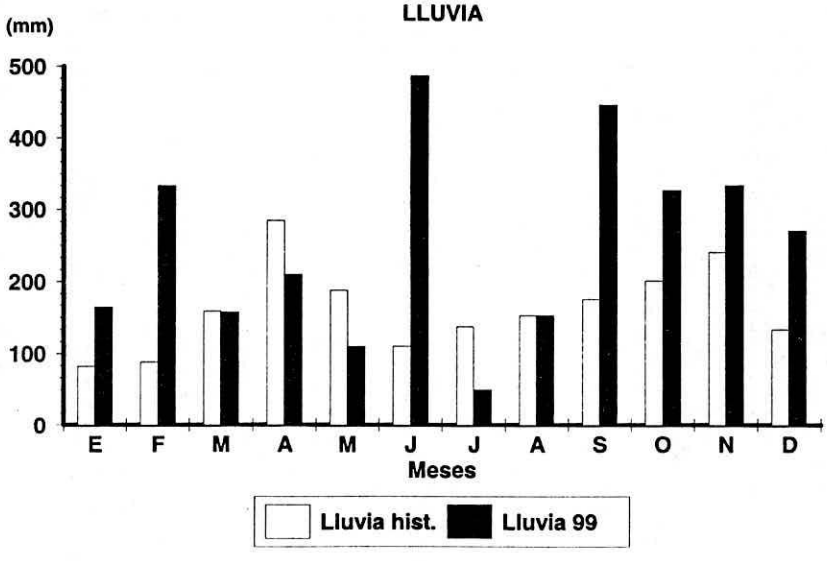
Dpto. : RISARALDA
Mpio. : BELEN DE UMBRIA

Latitud : 5 ° 12 ' N
Longitud : 75 ° 52 ' W
Altitud : 1520 m

	Julio				*Agosto*				*Septiembre*			
	Precipitación (mm)			Brillo	Precipitación (mm)			Brillo	Precipitación (mm)			Brillo
N°Día	Día	Noche	Total	Sol.(h)	Día	Noche	Total	Sol.(h)	Día	Noche	Total	Sol.(h)
1			0.0	3.4	0.0	.5	.5	6.7	.4	7.5	7.9	3.9
2			1.0	4.1	0.0	.9	.9	4.1	3.1	6.6	9.7	4.1
3			1.0	1.8	0.0	.2	.2	2.9	0.0	0.0	0.0	2.0
4			0.0	7.9	0.0	1.2	1.2	4.4	0.0	0.0	0.0	3.8
5			0.0	3.3	1.1	4.0	5.1	3.9	0.0	0.0	0.0	.5
6			0.0	4.5	0.0	25.7	25.7	5.1	0.0	0.0	0.0	4.0
7			0.0	2.4	0.0	3.7	3.7	4.7	.3	3.8	4.1	2.0
8			0.0	4.5	0.0	0.0	0.0	6.8	0.0	0.0	0.0	2.0
9			0.0	6.0	0.0	0.0	0.0	3.5	0.0	60.0	60.0	2.1
10			0.0	9.0	0.0	0.0	0.0	6.8	2.8	.3	3.1	2.1
11			0.0	7.3	0.0	0.0	0.0	5.3	1.0	12.0	13.0	1.1
12			0.0	4.7	.7	1.0	1.7	3.7	35.0	0.0	35.0	1.5
13			0.0	8.3	22.5	19.1	41.6	2.7	.5	8.8	9.3	2.4
14			0.0	7.8	0.0	36.2	36.2	4.0	0.0	0.0	0.0	.8
15			0.0	9.2	0.0	0.0	0.0	3.7	.5	0.0	.5	1.9
16			15.0	6.9	0.0	0.0	0.0	7.7	0.0	18.0	18.0	3.6
17			0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	1.3
18			3.0	5.6	0.0	2.2	2.2	3.6	0.0	0.0	0.0	4.8
19			23.0	5.5	0.0	0.0	0.0	4.1	0.0	0.0	0.0	2.4
20			0.0	8.1	0.0	3.4	3.4	5.5	7.3	0.0	7.3	2.8
21			0.0	7.6	9.4	0.0	9.4	.1	1.5	67.5	69.0	3.1
22			0.0	6.1	.2	0.0	.2	5.9	1.4	0.0	1.4	2.3
23			0.0	0.0	0.0	0.0	0.0	3.1	.2	.6	.8	2.0
24			0.0	7.6	0.0	0.0	0.0	.8	59.8	.7	60.5	2.1
25			0.0	3.1	1.0	3.6	4.6	.5	9.0	56.0	65.0	.9
26			0.0	5.1	0.0	1.4	1.4	4.5	0.0	59.0	59.0	2.1
27			0.0	6.7	9.4	0.0	9.4	3.5	4.4	3.3	7.7	1.1
28			1.0	3.2	3.1	0.0	3.1	1.1	2.2	7.3	9.5	.2
29			4.5	1.8	0.0	0.0	0.0	7.3	0.0	0.0	0.0	1.3
30			2.0	7.5	0.0	0.0	0.0	3.3	0.0	6.4	6.4	2.9
31			0.0	5.8	0.0	1.9	1.9	5.3				
			50.5	164.8	47.4	105.0	152.4	127.5	129.4	317.8	447.2	67.1

	Octubre				*Noviembre*				*Diciembre*			
	Precipitación (mm)			Brillo	Precipitación (mm)			Brillo	Precipitación (mm)			Brillo
N°Día	Día	Noche	Total	Sol.(h)	Día	Noche	Total	Sol.(h)	Día	Noche	Total	Sol.(h)
1	2.0	0.0	2.0	.3	.5	0.0	.5	1.9	13.0	0.0	13.0	.1
2	0.0	0.0	0.0	2.5	0.0	1.9	1.9	1.5	4.6	0.0	4.6	1.2
3	0.0	9.4	9.4	4.3	2.5	0.0	2.5	2.3	15.0	0.0	15.0	2.7
4	0.0	0.0	0.0	3.8	.1	1.8	1.9	2.9	1.0	36.9	37.9	2.7
5	0.0	24.0	24.0	3.1	0.0	.4	.4	3.9	4.7	1.6	6.3	1.3
6	9.5	0.0	9.5	.1	29.8	18.6	48.4	1.7	4.5	0.0	4.5	2.2
7	0.0	0.0	0.0	4.1	17.0	30.0	47.0	3.3	3.9	0.0	3.9	1.5
8	0.0	4.0	4.0	5.1	0.0	2.7	2.7	.8	0.0	0.0	0.0	5.0
9	0.0	1.4	1.4	4.6	0.0	0.0	0.0	4.3	0.0	3.7	3.7	4.1
10	5.1	2.2	7.3	.6	0.0	11.6	11.6	4.6	0.0	0.0	0.0	.3
11	0.0	30.0	30.0	5.4	0.0	0.0	0.0	1.5	5.3	1.3	6.6	1.8
12	2.1	6.4	8.5	5.1	0.0	9.2	9.2	1.2	7.6	1.8	9.4	1.2
13	0.0	.2	.2	4.7	17.0	0.0	17.0	2.2	.8	.9	1.7	2.1
14	0.0	1.1	1.1	3.8	0.0	3.5	3.5	6.6	.2	4.3	4.5	2.7
15	0.0	5.7	5.7	2.0	2.7	0.0	2.7	.6	7.8	1.6	9.4	1.4
16	0.0	43.0	43.0	1.2	0.0	.7	.7	4.0	1.8	7.6	9.4	2.3
17	1.4	0.0	1.4	0.0	0.0	51.1	51.1	5.4	1.8	7.5	9.3	3.2
18	1.0	9.0	10.0	3.8	1.9	.5	2.4	.2	0.0	2.7	2.7	4.0
19	0.0	2.1	2.1	6.4	.9	.1	1.0	.1	0.0	2.8	2.8	5.0
20	0.0	0.0	0.0	3.1	1.9	7.5	9.4	.4	18.3	0.0	18.3	2.2
21	32.4	0.0	32.4	2.4	7.4	1.9	9.3	.4	0.0	24.7	24.7	2.4
22	5.8	.1	5.9	2.8	9.4	0.0	9.4	0.0	9.6	32.5	42.1	0.0
23	0.0	0.0	0.0	1.3	0.0	28.2	28.2	4.3	4.5	27.4	31.9	4.8
24	0.0	2.0	2.0	2.3	9.3	38.7	48.0	1.7	3.4	6.0	9.4	.2
25	0.0	0.0	0.0	2.1	2.2	.8	3.0	.8	0.0	0.0	0.0	3.0
26	0.0	32.0	32.0	.7	3.1	0.0	3.1	7.5	0.0	0.0	0.0	5.7
27	33.5	29.6	63.1	2.6	0.0	0.0	0.0	.1	0.0	0.0	0.0	5.5
28	18.0	0.0	18.0	2.6	0.0	0.0	0.0	.9	0.0	0.0	0.0	7.5
29	0.0	9.4	9.4	2.5	0.0	4.0	4.0	3.7	0.0	0.0	0.0	4.6
30	4.8	0.0	4.8	1.9	9.4	6.3	15.7	.6	0.0	0.0	0.0	5.8
31	0.0	0.0	0.0	6.0					0.0	0.0	0.0	5.7
	115.6	211.6	327.2	91.2	115.1	219.5	334.6	69.4	107.8	163.3	271.1	92.2


La Elvira
BRILLO SOLAR
(Horas)
200
150
100
50
0
E F M A M J J A S O N D
Meses
Brillo solar hist.
Brillo solar 99


LLUVIA
(mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : AGUASBLANCAS
Año : 1999

Dpto. : SANTANDER
Mpio. : SAN VICENTE DE CHUCU

Latitud : 6 ° 50 ' N
Longitud : 73 ° 29 ' W
Altitud : 920 m

Enero

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total	Brillo Sol.(h)
1	0.0	0.0	0.0	4.6
2	0.0	0.0	0.0	.8
3	1.1	0.0	1.1	2.8
4	0.0	27.9	27.9	3.9
5	0.0	0.0	0.0	4.1
6	0.0	0.0	0.0	6.0
7	0.0	0.0	0.0	3.7
8	0.0	.4	.4	6.0
9	0.0	0.0	0.0	2.2
10	0.0	0.0	0.0	.4
11	11.0	0.0	11.0	0.0
12	0.0	1.6	1.6	3.5
13	0.0	.8	.8	5.0
14	0.0	0.0	0.0	5.4
15	0.0	.2	.2	6.0
16	0.0	0.0	0.0	2.7
17	0.0	0.0	0.0	4.7
18	0.0	0.0	0.0	1.6
19	.1	2.1	2.2	3.8
20	0.0	0.0	0.0	4.8
21	.6	0.0	.6	2.1
22	0.0	0.0	0.0	3.9
23	.5	0.0	.5	1.7
24	0.0	47.3	47.3	2.8
25	0.0	0.0	0.0	.4
26	0.0	0.0	0.0	1.2
27	0.0	0.0	0.0	5.7
28	0.0	0.0	0.0	2.6
29	0.0	0.0	0.0	6.4
30	0.0	0.0	0.0	4.1
31	0.0	.1	.1	5.6
	13.3	80.4	93.7	108.5

Febrero

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total	Brillo Sol.(h)
1	0.0	0.0	0.0	2.4
2	0.0	0.0	0.0	2.8
3	0.0	0.0	0.0	3.1
4	.5	.1	.6	2.0
5	0.0	0.0	0.0	3.0
6	2.5	.5	3.0	.7
7	0.0	0.0	0.0	1.8
8	0.0	0.0	0.0	2.1
9	1.0	0.0	1.0	6.7
10	0.0	1.5	1.5	0.0
11	.2	0.0	.2	1.6
12	0.0	4.9	4.9	1.5
13	0.0	0.0	0.0	.1
14	1.6	8.2	9.8	3.2
15	0.0	32.9	32.9	1.0
16	8.0	0.0	8.0	0.0
17	0.0	2.5	2.5	5.2
18	9.9	7.9	17.8	2.6
19	0.0	.4	.4	1.9
20	1.7	0.0	1.7	.8
21	0.0	17.1	17.1	4.4
22	.5	0.0	.5	.1
23	0.0	2.1	2.1	1.3
24	5.9	.1	6.0	1.1
25	0.0	77.1	77.1	1.6
26	.1	5.1	5.2	5.2
27	0.0	6.6	6.6	4.8
28	0.0	19.0	19.0	1.1
29				
30				
31				
	31.9	186.0	217.9	62.1

Marzo

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total	Brillo Sol.(h)
1	4.4	0.0	4.4	2.3
2	.4	15.3	15.7	1.0
3	0.0	0.0	0.0	1.8
4	0.0	0.0	0.0	2.6
5	0.0	0.0	0.0	3.0
6	0.0	.8	.8	4.9
7	0.0	17.1	17.1	5.6
8	0.0	0.0	0.0	6.2
9	0.0	0.0	0.0	4.0
10	0.0	0.0	0.0	.8
11	0.0	0.0	0.0	1.8
12	0.0	0.0	0.0	4.1
13	3.9	0.0	3.9	3.3
14	1.9	0.0	1.9	4.7
15	4.6	31.9	36.5	2.9
16	9.5	0.0	9.5	3.9
17	2.0	1.3	3.3	1.7
18	0.0	.4	.4	1.7
19	.3	8.4	8.7	4.0
20	8.5	0.0	8.5	5.8
21	0.0	.7	.7	3.8
22	3.0	0.0	3.0	2.0
23	1.9	0.0	1.9	.3
24	.1	0.0	.1	2.3
25	0.0	0.0	0.0	3.3
26	0.0	0.0	0.0	3.1
27	0.0	4.5	4.5	.4
28	.3	0.0	.3	2.2
29	0.0	0.0	0.0	2.4
30	0.0	10.1	10.1	4.9
31	0.0	0.0	0.0	1.5
	40.8	90.5	131.3	92.3

Abril

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total	Brillo Sol.(h)
1	0.0	0.0	0.0	2.0
2	58.8	0.0	58.8	0.0
3	0.0	0.0	0.0	3.6
4	13.5	0.0	13.5	1.0
5	0.0	0.0	0.0	8.7
6	.1	0.0	.1	5.9
7	0.0	59.0	59.0	3.5
8	4.3	0.0	4.3	0.0
9	5.9	0.0	5.9	.5
10	4.8	0.0	4.8	.3
11	0.0	.3	.3	2.7
12	0.0	0.0	0.0	1.4
13	0.0	0.0	0.0	1.2
14	0.0	.5	.5	4.1
15	4.0	0.0	4.0	1.6
16	0.0	0.0	0.0	7.3
17	0.0	0.0	0.0	8.6
18	0.0	0.0	0.0	8.9
19	0.0	0.0	0.0	8.2
20	.6	.7	1.3	5.7
21	0.0	0.0	0.0	6.3
22	0.0	7.9	7.9	7.2
23	.2	0.0	.2	3.7
24	9.3	4.7	14.0	2.2
25	.6	3.0	3.6	3.5
26	1.1	20.5	21.6	1.5
27	0.0	.6	.6	1.4
28	.7	.4	1.1	4.6
29	.5	1.4	1.9	8.1
30	34.9	5.5	40.4	2.0
31				
	139.3	104.5	243.8	115.7

Mayo

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total	Brillo Sol.(h)
1	0.0	0.0	0.0	9.4
2	0.0	0.0	0.0	2.1
3	0.0	9.6	9.6	3.6
4	2.4	.1	2.5	4.1
5	0.0	.7	.7	7.6
6	1.3	0.0	1.3	7.1
7	4.9	1.6	6.5	3.5
8	.2	.9	1.1	3.2
9	.5	29.0	29.5	2.3
10	0.0	0.0	0.0	3.7
11	2.1	11.2	13.3	2.6
12	0.0	0.0	0.0	3.4
13	1.3	.4	1.7	2.5
14	3.7	.3	4.0	5.2
15	0.0	0.0	0.0	8.3
16	0.0	0.0	0.0	5.3
17	0.0	0.0	0.0	7.0
18	0.0	0.0	0.0	5.8
19	0.0	0.0	0.0	4.8
20	54.2	0.0	54.2	4.0
21	1.9	0.0	1.9	1.4
22	2.4	.5	2.9	4.7
23	0.0	0.0	0.0	8.0
24	0.0	1.1	1.1	6.2
25	0.0	0.0	0.0	7.9
26	0.0	0.0	0.0	6.7
27	0.0	0.0	0.0	5.2
28	.2	0.0	.2	3.2
29	19.9	7.8	27.7	3.7
30	0.0	0.0	0.0	5.9
31	0.0	0.0	0.0	5.6
	95.0	63.2	158.2	154.0

Junio

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total	Brillo Sol.(h)
1	0.0	0.0	0.0	1.2
2	0.0	0.0	0.0	3.4
3	0.0	.2	.2	7.4
4	0.0	0.0	0.0	1.2
5	.6	0.0	.6	1.7
6	8.7	0.0	8.7	2.5
7	0.0	.8	.8	.4
8	1.6	0.0	1.6	.8
9	6.2	5.2	11.4	1.1
10	0.0	0.0	0.0	9.9
11	11.4	6.4	17.8	4.5
12	0.0	0.0	0.0	1.2
13	0.0	1.7	1.7	3.9
14	.6	0.0	.6	0.0
15	0.0	1.7	1.7	5.3
16	4.2	2.2	6.4	.7
17	.3	4.2	4.5	3.4
18	0.0	0.0	0.0	.6
19	4.8	.3	5.1	1.7
20	0.0	1.9	1.9	5.4
21	0.0	0.0	0.0	0.0
22	1.5	0.0	1.5	1.6
23	2.6	2.1	4.7	3.1
24	1.5	1.5	3.0	2.3
25	0.0	.5	.5	5.4
26	0.0	1.8	1.8	4.7
27	6.6	7.9	14.5	2.1
28	0.0	.3	.3	1.9
29	0.0	0.0	0.0	6.7
30	3.9	.3	4.2	6.8
31				
	54.5	39.0	93.5	90.9

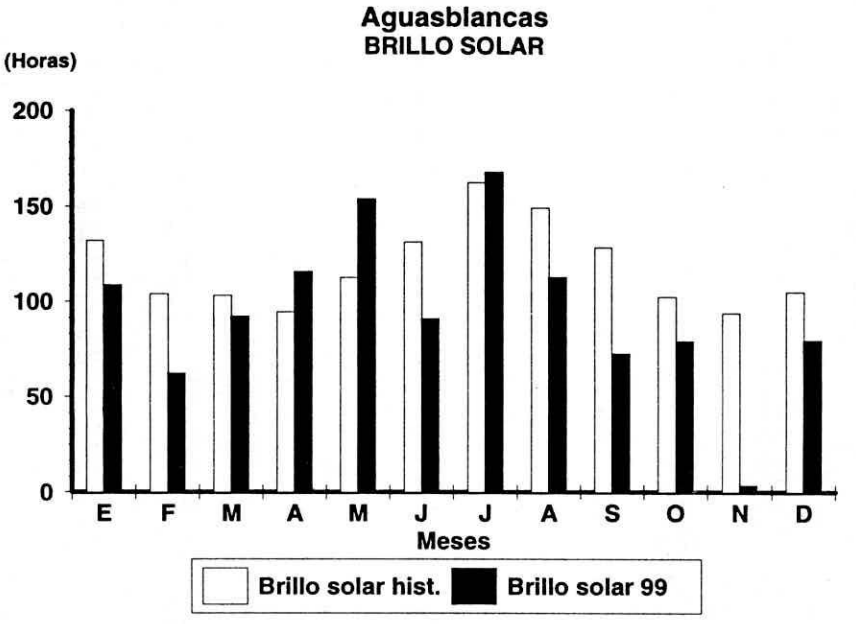
Estación : AGUASBLANCAS
Año : 1999

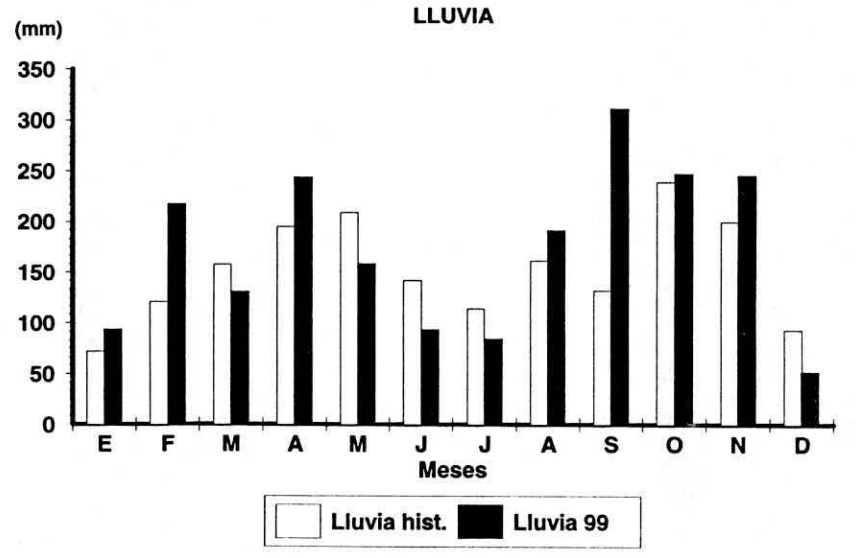
Dpto. : SANTANDER
Mpio. : SAN VICENTE DE CHUCU

Latitud : 6 ° 50 ' N
Longitud : 73 ° 29 ' W
Altitud : 920 m

	Julio				*Agosto*				*Septiembre*			
	Precipitación (mm)			Brillo	Precipitación (mm)			Brillo	Precipitación (mm)			Brillo
N°Día	Día	Noche	Total	Sol.(h)	Día	Noche	Total	Sol.(h)	Día	Noche	Total	Sol.(h)
1	0.0	0.0	0.0	4.5	5.3	1.3	6.6	8.7	.1	32.9	33.0	1.5
2	0.0	0.0	0.0	5.8	12.2	1.9	14.1	4.1	1.2	5.0	6.2	2.5
3	8.6	0.0	8.6	4.4	4.9	2.1	7.0	0.0	.7	1.4	2.1	.4
4	0.0	0.0	0.0	4.4	1.3	0.0	1.3	2.1	1.8	0.0	1.8	6.4
5	0.0	2.4	2.4	3.4	1.0	0.0	1.0	3.4	0.0	0.0	0.0	3.0
6	.1	18.0	18.1	5.9	.5	5.2	5.7	5.6	0.0	0.0	0.0	5.5
7	1.0	1.1	2.1	1.6	1.2	0.0	1.2	4.0	6.7	0.0	6.7	6.5
8	.7	3.1	3.8	4.1	3.5	0.0	3.5	3.9	.4	2.6	3.0	2.8
9	5.2	9.1	14.3	7.2	0.0	0.0	0.0	7.4	0.0	4.9	4.9	3.8
10	0.0	0.0	0.0	9.5	0.0	0.0	0.0	6.1	0.0	2.6	2.6	2.8
11	0.0	.4	.4	9.6	42.9	.3	43.2	3.9	4.4	5.9	10.3	1.3
12	.3	6.3	6.6	2.7	1.1	0.0	1.1	.8	1.0	7.9	8.9	1.6
13	3.1	0.0	3.1	6.8	2.1	1.9	4.0	1.4	0.0	82.7	82.7	2.0
14	0.0	0.0	0.0	10.5	0.0	4.0	4.0	6.7	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	7.9	0.0	.3	.3	1.3	3.8	5.8	9.6	1.0
16	1.5	0.0	1.5	1.9	.4	0.0	.4	4.1	0.0	0.0	0.0	4.8
17	.2	1.0	1.2	8.1	0.0	2.0	2.0	7.4	.2	0.0	.2	.7
18	0.0	0.0	0.0	8.4	0.0	2.4	2.4	4.1	14.2	0.0	14.2	2.0
19	.1	0.0	.1	5.9	.3	.5	.8	4.3	7.9	0.0	7.9	5.8
20	0.0	1.5	1.5	1.6	0.0	0.0	0.0	2.4	0.0	0.0	0.0	2.0
21	0.0	0.0	0.0	5.1	2.7	1.1	3.8	2.4	3.6	.8	4.4	2.9
22	0.0	0.0	0.0	2.7	.1	0.0	.1	.4	17.8	0.0	17.8	.1
23	0.0	0.0	0.0	5.4	.2	1.6	1.8	4.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	6.7	0.0	0.0	0.0	2.1	21.3	13.4	34.7	4.5
25	0.0	0.0	0.0	5.2	37.3	5.4	42.7	1.2	.2	0.0	.2	1.7
26	10.7	0.0	10.7	4.0	37.6	.4	38.0	4.2	27.4	4.3	31.7	1.2
27	0.0	0.0	0.0	4.7	.6	.5	1.1	3.4	4.2	9.5	13.7	.9
28	0.0	0.0	0.0	4.8	.3	0.0	.3	.8	9.3	0.0	9.3	0.0
29	5.9	0.0	5.9	1.8	0.0	2.6	2.6	3.9	0.0	0.0	0.0	4.4
30	0.0	1.7	1.7	6.7	0.0	0.0	0.0	6.3	0.0	5.3	5.3	.5
31	1.1	1.3	2.4	6.7	0.0	2.0	2.0	2.3				
	38.5	45.9	84.4	168.0	155.5	35.5	191.0	112.7	126.2	185.0	311.2	72.6

	Octubre				*Noviembre*				*Diciembre*			
	Precipitación (mm)			Brillo	Precipitación (mm)			Brillo	Precipitación (mm)			Brillo
N°Día	Día	Noche	Total	Sol.(h)	Día	Noche	Total	Sol.(h)	Día	Noche	Total	Sol.(h)
1	.2	5.6	5.8	2.8			1.0		.4	.7	1.1	.4
2	0.0	0.0	0.0	.5			0.0		.2	0.0	.2	2.2
3	0.0	0.0	0.0	5.1			4.0		.4	0.0	.4	0.0
4	9.9	4.3	14.2	2.8			3.0		.1	.9	1.0	3.1
5	6.0	2.4	8.4	2.5			0.0		0.0	1.7	1.7	1.7
6	10.7	0.0	10.7	1.3			0.0		4.0	0.0	4.0	1.6
7	0.0	0.0	0.0	1.8			13.0		0.0	2.5	2.5	1.7
8	0.0	0.0	0.0	2.3			51.0		0.0	0.0	0.0	6.2
9	9.1	17.4	26.5	4.2			0.0		0.0	0.0	0.0	3.8
10	0.0	0.0	0.0	1.5			2.0		0.0	0.0	0.0	.2
11	0.0	0.0	0.0	2.5			2.0		0.0	5.6	5.6	6.1
12	5.8	.5	6.3	1.7			43.0		0.0	3.4	3.4	3.4
13	.6	1.9	2.5	3.0			1.0		5.5	5.3	10.8	1.9
14	0.0	.5	.5	2.0			1.0		0.0	0.0	0.0	5.1
15	.1	17.2	17.3	1.9			1.0		0.0	0.0	0.0	1.2
16	0.0	2.0	2.0	.6			7.0		0.0	.1	.1	1.4
17	2.2	0.0	2.2	2.3			20.0		5.6	.6	6.2	1.6
18	0.0	2.7	2.7	3.9			1.0		0.0	0.0	0.0	1.9
19	0.0	0.0	0.0	2.9			3.0		.1	1.1	1.2	3.5
20	.8	42.4	43.2	5.6			2.0		0.0	.2	.2	6.5
21	0.0	0.0	0.0	3.7			0.0		0.0	0.0	0.0	1.5
22	0.0	8.7	8.7	.9			0.0		0.0	0.0	0.0	4.8
23	0.0	24.8	24.8	1.7			0.0		.1	0.0	.1	3.5
24	0.0	0.0	0.0	2.0			40.0		.3	0.0	.3	.4
25	.3	9.3	9.6	2.8			17.0		.8	.2	1.0	3.1
26	0.0	0.0	0.0	1.6			0.0		1.0	10.8	11.8	1.0
27	0.0	47.2	47.2	2.3			4.0		0.0	.2	.2	1.6
28	0.0	0.0	0.0	1.8			0.0		0.0	0.0	0.0	4.2
29	2.3	8.4	10.7	4.1			27.0		0.0	0.0	0.0	3.3
30	.3	3.7	4.0	1.3			2.9		0.0	0.0	0.0	1.5
31	0.0	0.0	0.0	5.7					.1	0.0	.1	1.2
	48.3	199.0	247.3	79.1			245.9		18.6	33.3	51.9	79.6


Aguasblancas
BRILLO SOLAR
(Horas)
200
150
100
50
0
E F M A M J J A S O N D
Meses
Brillo solar hist.
Brillo solar 99


LLUVIA
(mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : LUIS BUSTAMANTE
Año : 1999

Dpto. : TOLIMA
Mpio. : VILLARRICA

Latitud : 3 ° 55 ' N
Longitud : 74 ° 34 ' W
Altitud : 1610 m

Enero

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total	Brillo Sol.(h)
1	.1	0.0	.1	2.8
2	7.9	0.0	7.9	1.3
3	2.0	0.0	2.0	3.0
4	1.8	0.0	1.8	2.4
5	12.2	0.0	12.2	1.5
6	0.0	25.3	25.3	2.7
7	6.8	1.8	8.6	1.0
8	18.1	.2	18.3	.1
9	32.1	0.0	32.1	1.0
10	22.2	36.0	58.2	1.7
11	14.3	0.0	14.3	0.0
12	2.5	12.7	15.2	1.0
13	0.0	35.9	35.9	3.9
14	16.9	8.7	25.6	2.2
15	0.0	5.1	5.1	3.7
16	.2	.6	.8	1.3
17	0.0	.1	.1	2.0
18	.1	0.0	.1	1.0
19	.8	0.0	.8	1.8
20	0.0	0.0	0.0	.3
21	.7	0.0	.7	.6
22	.1	0.0	.1	.6
23	.3	0.0	.3	.6
24	.6	0.0	.6	.1
25	4.6	0.0	4.6	1.1
26	2.0	0.0	2.0	1.7
27	.3	.6	.9	1.8
28	22.9	0.0	22.9	1.3
29	0.0	0.0	0.0	2.3
30	1.7	1.1	2.8	4.4
31	0.0	0.0	0.0	1.4
	171.2	128.1	299.3	50.6

Febrero

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total	Brillo Sol.(h)
1	0.0	29.7	29.7	2.0
2	1.4	0.0	1.4	0.0
3	2.3	50.7	53.0	1.0
4	10.0	0.0	10.0	.6
5	1.7	.8	2.5	2.9
6	11.4	29.9	41.3	.8
7	6.9	0.0	6.9	1
8	.1	0.0	.1	3.5
9	0.0	0.0	0.0	1.5
10	16.9	0.0	16.9	0.0
11	.5	0.0	.5	2.6
12	17.9	.6	18.5	3.3
13	1.3	0.0	1.3	.8
14	5.0	.4	5.4	.5
15	1.1	0.0	1.1	.1
16	24.7	19.6	44.3	.3
17	1.4	.7	2.1	.4
18	16.3	2.0	18.3	.3
19	1.3	10.7	12.0	3.9
20	0.0	0.0	0.0	.6
21	6.5	9.9	16.4	1.0
22	0.0	0.0	0.0	1.3
23	2.0	.9	2.9	.4
24	8.2	0.0	8.2	.1
25	2.1	0.0	2.1	1.0
26	4.8	2.5	7.3	3.6
27	.5	0.0	.5	1.0
28	16.4	1.9	18.3	1.3
29				
30				
31				
	160.7	160.3	321.0	34.9

Marzo

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total	Brillo Sol.(h)
1	1.8	0.0	1.8	.9
2	1.0	0.0	1.0	.8
3	0.0	0.0	0.0	2.4
4	0.0	0.0	0.0	.4
5	0.0	0.0	0.0	4.2
6	0.0	0.0	0.0	4.2
7	5.0	0.0	5.0	4.5
8	0.0	14.4	14.4	2.7
9	2.0	30.1	32.1	.2
10	0.0	0.0	0.0	.9
11	0.0	2.1	2.1	2.2
12	0.0	0.0	0.0	0.0
13	4.9	0.0	4.9	1.1
14	1.0	0.0	1.0	3.2
15	.1	5.1	5.2	.6
16	1.9	0.0	1.9	2.2
17	.5	12.2	12.7	5.0
18	.2	0.0	.2	3.1
19	17.8	8.6	26.4	4.1
20	28.1	6.0	34.1	1.1
21	10.8	3.2	14.0	.8
22	2.6	0.0	2.6	.2
23	0.0	1.9	1.9	1.7
24	13.3	0.0	13.3	2.6
25	1.3	0.0	1.3	2.1
26	0.0	0.0	0.0	1.7
27	.3	0.0	.3	.8
28	.7	.1	.8	1.9
29	6.4	0.0	6.4	.1
30	5.3	0.0	5.3	3.4
31	3.5	0.0	3.5	1.9
	108.5	83.7	192.2	61.0

Abril

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total	Brillo Sol.(h)
1	0.0	0.0	0.0	1.4
2	2.0	0.0	2.0	.7
3	.1	0.0	.1	1.9
4	28.1	24.0	52.1	2.4
5	0.0	0.0	0.0	5.4
6	.3	6.7	7.0	.7
7	13.5	0.0	13.5	.1
8	5.8	9.1	14.9	1.2
9	15.3	0.0	15.3	1.3
10	28.7	.3	29.0	1.0
11	.8	0.0	.8	2.1
12	3.1	.2	3.3	2.1
13	0.0	0.0	0.0	1.7
14	0.0	0.0	0.0	.8
15	0.0	0.0	0.0	3.5
16	0.0	0.0	0.0	2.9
17	0.0	0.0	0.0	7.3
18	0.0	0.0	0.0	5.0
19	2.0	0.0	2.0	2.7
20	0.0	0.0	0.0	.1
21	0.0	0.0	0.0	4.3
22	3.5	0.0	3.5	4.2
23	.3	.4	.7	.2
24	15.5	3.5	19.0	1.2
25	27.7	0.0	27.7	0.0
26	34.1	1.6	35.7	.6
27	3.0	0.0	3.0	.7
28	7.9	1.5	9.4	1.5
29	2.1	4.2	6.3	2.0
30	3.8	0.0	3.8	.7
31				
	197.6	51.5	249.1	59.7

Mayo

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total	Brillo Sol.(h)
1	2.2	0.0	2.2	6.1
2	.4	6.7	7.1	2.5
3	10.9	0.0	10.9	3.8
4	3.2	0.0	3.2	.2
5	.8	0.0	.8	4.2
6	11.2	0.0	11.2	1.2
7	1.8	0.0	1.8	1.4
8	3.5	.1	3.6	1.0
9	16.0	0.0	16.0	.8
10	1.1	22.8	23.9	1.9
11	3.7	0.0	3.7	0.0
12	2.9	1.2	4.1	.3
13	16.9	.5	17.4	0.0
14	7.0	0.0	7.0	4.4
15	0.0	0.0	0.0	3.6
16	0.0	0.0	0.0	5.1
17	0.0	0.0	0.0	3.3
18	2.0	1.5	3.5	1.0
19	2.8	0.0	2.8	2.0
20	6.0	.1	6.1	.8
21	6.7	0.0	6.7	1.2
22	1.8	0.0	1.8	3.3
23	0.0	0.0	0.0	1.3
24	.6	2.1	2.7	5.2
25	1.1	0.0	1.1	5.5
26	0.0	0.0	0.0	4.1
27	0.0	0.0	0.0	2.9
28	.1	1.5	1.6	1.8
29	12.2	2.2	14.4	.9
30	.2	0.0	.2	2.1
31	2.5	2.2	4.7	2.8
	117.6	40.9	158.5	74.7

Junio

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total	Brillo Sol.(h)
1	.1	.4	.5	6.3
2	0.0	0.0	0.0	2.4
3	1.0	0.0	1.0	2.3
4	7.6	.2	7.8	.7
5	1.8	0.0	1.8	.5
6	1.2	0.0	1.2	1.6
7	1.5	6.5	8.0	3.6
8	4.2	.7	4.9	1.4
9	9.7	0.0	9.7	1.4
10	.2	0.0	.2	4.7
11	0.0	0.0	0.0	4.1
12	45.1	0.0	45.1	.8
13	11.7	0.0	11.7	2.4
14	1.6	1.6	3.2	.8
15	0.0	0.0	0.0	2.3
16	5.2	0.0	5.2	3.4
17	4.1	0.0	4.1	2.3
18	17.6	0.0	17.6	.3
19	1.0	0.0	1.0	3.4
20	2.4	1.0	3.4	4.3
21	.7	.1	.8	2.3
22	3.6	1.3	4.9	4.3
23	.4	0.0	.4	.1
24	.7	.1	.8	2.1
25	5.3	1.6	6.9	4.8
26	0.0	.2	.2	1.2
27	2.9	0.0	2.9	.6
28	10.0	0.0	10.0	1.4
29	5.1	0.0	5.1	2.8
30	0.0	2.3	2.3	6.2
31				
	144.7	16.0	160.7	74.8

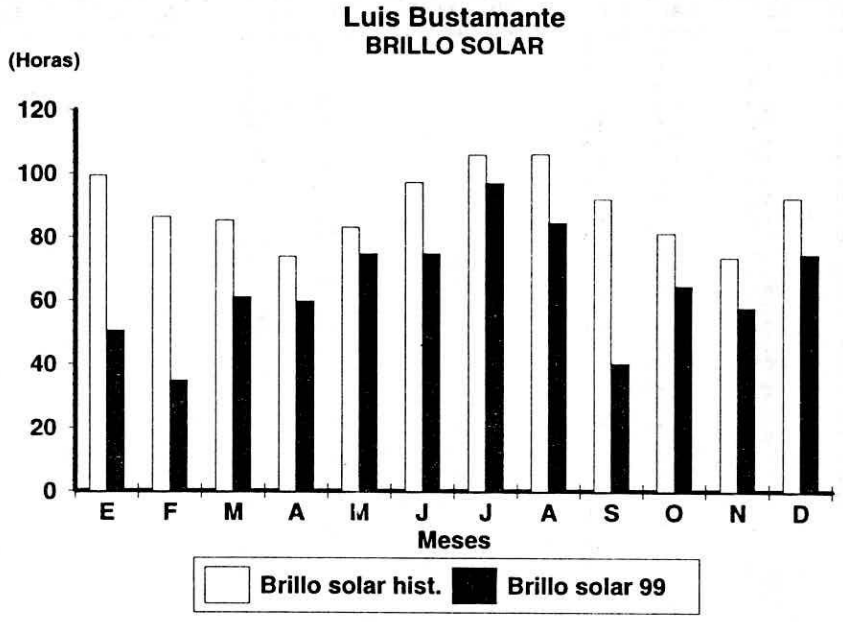
Estación : LUIS BUSTAMANTE
Año : 1999

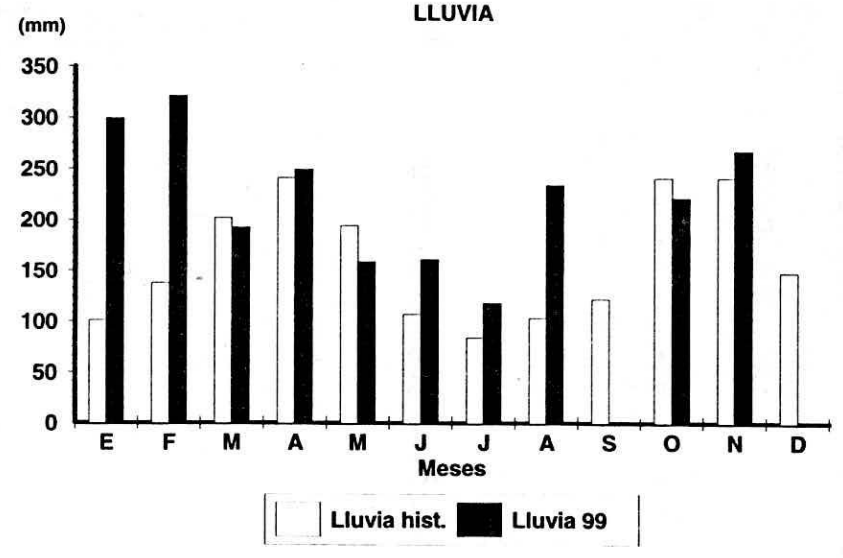
Dpto. : TOLIMA
Mpio. : VILLARRICA

Latitud : 3 ° 55 ' N
Longitud : 74 ° 34 ' W
Altitud : 1610 m

	Julio				*Agosto*				*Septiembre*			
	Precipitación (mm)			Brillo	Precipitación (mm)			Brillo	Precipitación (mm)			Brillo
N°Día	Día	Noche	Total	Sol.(h)	Día	Noche	Total	Sol.(h)	Día	Noche	Total	Sol.(h)
1	1.3	.2	1.5	2.3			0.0	1.3				.5
2	5.8	0.0	5.8	2.6			0.0	2.7				1.5
3	0.0	.2	.2	2.9			0.0	1.4				2.0
4	.1	0.0	.1	3.7			0.0	2.3				1.1
5	.1	0.0	.1	3.1			8.0	3.5				1.4
6	3.5	0.0	3.5	.8			12.0	5.1				2.0
7	16.3	2.5	18.8	6.7			0.0	1.5				3.7
8	1.8	0.0	1.8	1.0			20.0	1.9				1.6
9	0.0	0.0	0.0	1.8			12.0	.1				2.6
10	0.0	0.0	0.0	2.8			0.0	1.7				1.3
11	0.0	0.0	0.0	2.4			2.0	2.9				.2
12	.3	0.0	.3	3.3			0.0	1.5				0.0
13	1.3	0.0	1.3	1.2			1.0	2.3				1.5
14	0.0	0.0	0.0	4.8			0.0	1.2				.4
15	.4	0.0	.4	7.9			0.0	2.6				.9
16	1.9	0.0	1.9	3.1			0.0	2.9				2.0
17	1.9	0.0	1.9	4.4			0.0	3.7				0.0
18	0.0	0.0	0.0	5.3			0.0	6.6				.7
19	.2	0.0	.2	6.2			2.0	7.3				0.0
20	3.3	0.0	3.3	1.4			0.0	2.7				2.7
21	2.0	0.0	2.0	2.6			24.0	1.4				1.0
22	3.1	0.0	3.1	2.6			11.0	1.7				1.0
23	1.2	0.0	1.2	.9			10.0	4.0				1.1
24	1.0	1.5	2.5	4.3			15.0	4.7				2.2
25	0.0	0.0	0.0	3.2			39.0	.2				1.5
26	.2	.4	.6	1.0			37.0	2.7				3.3
27	4.6	0.0	4.6	1.5			31.0	4.1				0.0
28	0.0	2.0	2.0	5.1			10.0	0.0				.1
29	4.0	6.0	10.0	.7			0.0	2.9				1.7
30	13.0	37.0	50.0	6.0			0.0	3.5				2.2
31	1.0	0.0	1.0	1.4			0.0	4.1				
	68.3	49.8	118.1	97.0			234.0	84.5				40.2

	Octubre				*Noviembre*				*Diciembre*			
	Precipitación (mm)			Brillo	Precipitación (mm)			Brillo	Precipitación (mm)			Brillo
N°Día	Día	Noche	Total	Sol.(h)	Día	Noche	Total	Sol.(h)	Día	Noche	Total	Sol.(h)
1	6.0	10.0	16.0	3.1	10.8	.1	10.9	3.2				.5
2	0.0	7.0	7.0	3.8	7.5	4.0	11.5	2.5				.4
3	2.0	0.0	2.0	3.1	8.6	.1	8.7	1.6				.5
4	5.0	4.0	9.0	2.8	.3	0.0	.3	2.5				2.0
5	14.0	14.0	28.0	2.6	1.7	0.0	1.7	1.4				.4
6	0.0	6.0	6.0	.5	0.0	0.0	0.0	5.0				2.4
7	10.0	25.0	35.0	2.1	.4	13.3	13.7	1.1				1.5
8	7.4	.4	7.8	1.2	7.9	0.0	7.9	1.0				2.1
9	12.2	0.0	12.2	.4	0.0	0.0	0.0	2.4				2.5
10	.4	0.0	.4	3.1	1.1	0.0	1.1	2.4				1.5
11	1.3	0.0	1.3	2.6	.2	10.1	10.3	.4				.1
12	.9	0.0	.9	2.9	5.8	0.0	5.8	1.7				3.7
13	1.0	0.0	1.0	2.6	6.7	0.0	6.7	1.5				.3
14	0.0	0.0	0.0	2.3	4.1	.2	4.3	4.2				1.0
15	.4	0.0	.4	3.7	.6	0.0	.6	4.1				2.6
16	.8	0.0	.8	1.5	0.0	11.8	11.8	6.1				.5
17	1.3	0.0	1.3	1.0	2.5	42.7	45.2	.9				1.6
18	1.5	3.3	4.8	1.7	25.0	0.0	25.0	0.0				1.3
19	8.9	.2	9.1	.5	3.0	0.0	3.0	.8				2.1
20	3.7	.2	3.9	1.5	.7	3.6	4.3	.4				3.5
21	13.4	.5	13.9	.2	0.0	1.3	1.3	.2				4.7
22	.1	1.1	1.2	3.0	.6	2.1	2.7	0.0				4.1
23	11.3	.1	11.4	1.5	0.0	63.4	63.4	2.3				7.9
24	6.1	.3	6.4	2.0	1.6	.7	2.3	3.4				4.4
25	0.0	0.0	0.0	3.5	11.6	.7	12.3	.7				6.0
26	11.5	.1	11.6	1.7	10.2	.2	10.4	2.8				3.8
27	3.9	3.9	7.8	1.3	.5	0.0	.5	.4				2.9
28	6.3	2.8	9.1	.7	0.0	0.0	0.0	.8				3.4
29	5.4	7.6	13.0	3.6	0.0	0.0	0.0	3.5				1.9
30	0.0	0.0	0.0	.4	.6	1.0	1.6	.5				1.9
31	0.0	0.0	0.0	3.7								3.0
	134.8	86.5	221.3	64.6	112.0	155.3	267.3	57.8				74.5


Luis Bustamante
BRILLO SOLAR
(Horas)
120
100
80
60
40
20
0
E F M A M J J A S O N D
Meses
Brillo solar hist.
Brillo solar 99


LLUVIA
(mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : IRCO DOSAGUAS
Año : 1999

Dpto. : TOLIMA
Mpio. : CHAPARRAL

Latitud : 3 ° 40 ' N
Longitud : 75 ° 37 ' W
Altitud : 1250 m

Enero

N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	0.0	7.0	7.0	3.4
2	0.0	0.0	0.0	3.1
3	0.0	61.1	61.1	3.8
4	13.6	24.5	38.1	2.0
5	1.2	0.0	1.2	1.4
6	1.0	8.0	9.0	1.9
7	0.0	64.9	64.9	.8
8	1.4	0.0	1.4	.5
9	0.0	.8	.8	.8
10	.6	43.8	44.4	1.4
11	13.5	5.8	19.3	0.0
12	20.7	6.6	27.3	0.0
13	.8	0.0	.8	1.5
14	1.4	0.0	1.4	.4
15	0.0	0.0	0.0	1.0
16	1.9	.6	2.5	.4
17	.3	11.8	12.1	1.3
18	0.0	.6	.6	1.9
19	.3	7.0	7.3	3.3
20	5.1	0.0	5.1	.9
21	0.0	0.0	0.0	1.6
22	0.0	2.4	2.4	2.6
23	0.0	0.0	0.0	2.7
24	7.7	0.0	7.7	.1
25	4.9	6.2	11.1	1.8
26	0.0	13.7	13.7	1.1
27	8.9	15.3	24.2	.9
28	2.0	14.8	16.8	1.1
29	.4	.1	.5	4.4
30	1.3	0.0	1.3	2.3
31	0.0	0.0	0.0	3.6
	87.0	295.0	382.0	52.0

Febrero

Día	Noche	Total	Brillo Sol.(h)
0.0	24.0	24.0	3.1
0.0	3.0	3.0	2.7
3.1	16.2	19.3	.4
0.0	0.0	0.0	3.4
0.0	76.2	76.2	2.9
4.3	41.7	46.0	.7
0.0	1.5	1.5	2.6
0.0	0.0	0.0	6.3
0.0	.8	.8	6.3
6.9	.1	7.0	.5
0.0	0.0	0.0	3.7
11.8	42.3	54.1	5.0
35.7	0.0	35.7	1.4
0.0	30.0	30.0	.3
3.9	.5	4.4	.6
17.9	3.0	20.9	.4
.1	.2	.3	2.7
36.3	.2	36.5	.1
1.2	50.4	51.6	2.0
0.0	5.8	5.8	.4
0.0	20.8	20.8	3.0
.2	0.0	.2	.9
1.5	23.3	24.8	.6
.3	32.7	33.0	2.2
15.8	0.0	15.8	2.4
.5	48.8	49.3	6.4
.4	5.1	5.5	1.9
43.6	7.4	51.0	.1
183.5	434.0	617.5	63.0

Marzo

Día	Noche	Total	Brillo Sol.(h)
13.4	12.0	25.4	.8
0.0	0.0	0.0	2.6
0.0	15.5	15.5	5.6
0.0	3.0	3.0	3.9
3.0	5.8	8.8	5.3
0.0	3.8	3.8	9.2
0.0	0.0	0.0	6.1
.2	6.0	6.2	2.9
0.0	109.6	109.6	2.3
5.4	15.9	21.3	2.3
0.0	0.0	0.0	5.3
0.0	0.0	0.0	1.3
0.0	9.7	9.7	1.4
0.0	2.8	2.8	6.4
5.8	12.1	17.9	3.3
0.0	0.0	0.0	3.9
0.0	37.8	37.8	5.6
0.0	2.3	2.3	2.8
.5	48.6	49.1	2.9
20.2	0.0	20.2	0.0
2.3	8.5	10.8	.5
0.0	0.0	0.0	.1
2.1	.5	2.6	4.0
0.0	21.8	21.8	.7
0.0	0.0	0.0	.7
0.0	0.0	0.0	1.5
0.0	0.0	0.0	.5
0.0	20.3	20.3	3.3
0.0	0.0	0.0	2.7
0.0	25.0	25.0	8.3
8.3	1.6	9.9	6.6
61.2	362.6	423.8	102.8

Abril

N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	0.0	6.4	6.4	2.7
2	4.6	0.0	4.6	1.7
3	0.0	22.1	22.1	.9
4	3.6	121.3	124.9	1.7
5	0.0	0.0	0.0	3.1
6	1.0	21.7	22.7	3.8
7	0.0	5.5	5.5	2.7
8	31.4	49.6	81.0	2.7
9	6.3	1.6	7.9	0.0
10	8.8	5.0	13.8	1.1
11	3.0	27.1	30.1	5.3
12	0.0	.4	.4	4.3
13	0.0	0.0	0.0	3.8
14	0.0	18.5	18.5	5.0
15	36.8	0.0	36.8	1.6
16	0.0	0.0	0.0	2.6
17	0.0	0.0	0.0	6.7
18	0.0	0.0	0.0	6.0
19	0.0	1.5	1.5	3.3
20	0.0	0.0	0.0	.4
21	0.0	.4	.4	3.3
22	0.0	0.0	0.0	4.7
23	0.0	0.0	0.0	.3
24	.4	7.0	7.4	3.8
25	7.8	12.1	19.9	2.3
26	6.0	23.0	29.0	4.4
27	2.4	0.0	2.4	.6
28	11.3	20.3	31.6	.9
29	0.0	7.7	7.7	6.3
30	.1	0.0	.1	0.0
31				
	123.5	351.2	474.7	86.0

Mayo

Día	Noche	Total	Brillo Sol.(h)
3.6	1.4	5.0	6.6
4.6	.4	5.0	6.7
0.0	6.1	6.1	3.8
7.0	0.0	7.0	0.0
0.0	56.7	56.7	9.1
5.1	9.4	14.5	4.3
0.0	1.0	1.0	3.5
.1	0.0	.1	3.6
0.0	10.6	10.6	.7
31.3	6.3	37.6	2.7
0.0	0.0	0.0	.7
0.0	38.1	38.1	4.8
28.3	0.0	28.3	0.0
0.0	7.9	7.9	6.9
2.6	0.0	2.6	3.0
0.0	4.3	4.3	7.3
0.0	3.5	3.5	6.9
.3	2.0	2.3	4.0
.1	.2	.3	1.3
.3	0.0	.3	.3
0.0	0.0	0.0	5.6
0.0	1.0	1.0	5.6
0.0	0.0	0.0	4.7
0.0	0.0	0.0	4.5
0.0	5.5	5.5	5.8
0.0	1.1	1.1	9.1
0.0	0.0	0.0	3.1
.2	6.3	6.5	3.2
.1	0.0	.1	2.4
0.0	0.0	0.0	4.6
0.0	0.0	0.0	6.4
83.6	161.8	245.4	131.2

Junio

Día	Noche	Total	Brillo Sol.(h)
0.0	8.7	8.7	10.0
0.0	0.0	0.0	2.8
0.0	0.0	0.0	3.4
0.0	6.7	6.7	1.3
0.0	0.0	0.0	1.3
0.0	0.0	0.0	7.4
0.0	38.6	38.6	7.6
.5	0.0	.5	3.5
1.9	7.0	8.9	5.8
0.0	0.0	0.0	9.0
0.0	3.3	3.3	4.7
.8	21.4	22.2	1.1
3.0	0.0	3.0	1.1
.4	8.6	9.0	5.0
0.0	0.0	0.0	3.1
7.5	13.7	21.2	3.5
1.0	21.9	22.9	6.4
8.4	0.0	8.4	.5
0.0	2.2	2.2	3.7
2.2	0.0	2.2	4.0
.7	0.0	.7	.1
0.0	0.0	0.0	2.6
1.8	0.0	1.8	.3
0.0	0.0	0.0	5.8
22.6	16.2	38.8	5.6
0.0	8.4	8.4	5.9
0.0	.4	.4	5.3
.4	0.0	.4	2.4
0.0	.4	.4	7.5
0.0	.2	.2	10.0
51.2	157.7	208.9	130.7

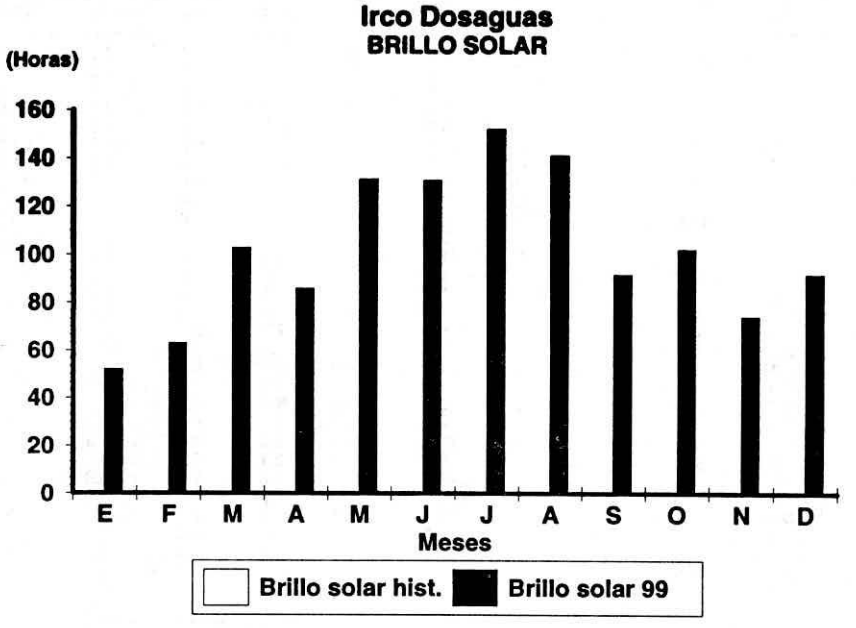
Estación : IRCO DOSAGUAS
Año : 1999

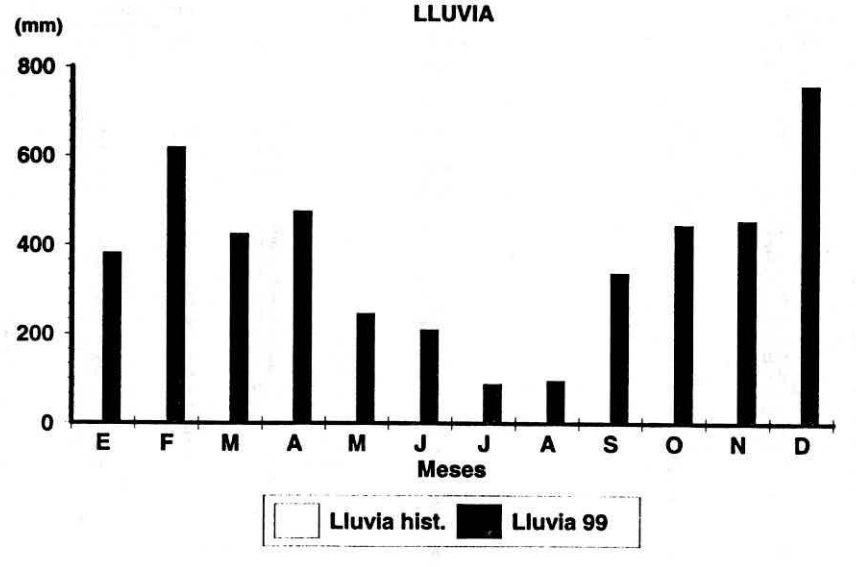
Dpto. : TOLIMA
Mpio. : CHAPARRAL

Latitud : 3 ° 40 ' N
Longitud : 75 ° 37 ' W
Altitud : 1250 m

	Julio				*Agosto*				*Septiembre*			
	Precipitación (mm)			Brillo	Precipitación (mm)			Brillo	Precipitación (mm)			Brillo
N°Día	Día	Noche	Total	Sol.(h)	Día	Noche	Total	Sol.(h)	Día	Noche	Total	Sol.(h)
1	0.0	0.0	0.0	.3	.5	0.0	.5	.6	0.0	2.3	2.3	.7
2	0.0	39.4	39.4	4.3	0.0	0.0	0.0	3.8	0.0	0.0	0.0	2.2
3	0.0	6.1	6.1	3.0	0.0	0.0	0.0	4.5	0.0	.2	.2	2.6
4	0.0	0.0	0.0	6.5	0.0	0.0	0.0	8.1	0.0	1.5	1.5	2.3
5	0.0	16.8	16.8	5.3	0.0	0.0	0.0	6.1	0.0	0.0	0.0	1.2
6	0.0	0.0	0.0	6.6	0.0	0.0	0.0	6.2	3.0	0.0	3.0	6.0
7	1.9	0.0	1.9	1.5	0.0	11.7	11.7	1.6	0.0	0.0	0.0	4.5
8	0.0	0.0	0.0	1.1	0.0	2.0	2.0	1.7	0.0	7.8	7.8	3.9
9	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	10.0	10.0	2.6
10	0.0	0.0	0.0	9.4	0.0	0.0	0.0	4.2	6.2	14.1	20.3	2.7
11	0.0	0.0	0.0	4.1	0.0	0.0	0.0	6.6	10.0	14.0	24.0	3.9
12	0.0	0.0	0.0	8.4	0.0	0.0	0.0	3.1	0.0	4.0	4.0	2.8
13	0.0	.3	.3	5.0	0.0	0.0	0.0	5.3	1.8	39.4	41.2	4.0
14	0.0	0.0	0.0	5.7	2.9	0.0	2.9	3.0	2.1	0.0	2.1	0.0
15	0.0	0.0	0.0	10.2	.4	.1	.5	.4	0.0	38.8	38.8	3.8
16	0.0	0.0	0.0	3.5	0.0	0.0	0.0	4.3	.7	14.7	15.4	5.6
17	0.0	0.0	0.0	10.1	0.0	0.0	0.0	10.2	.4	0.0	.4	0.0
18	0.0	0.0	0.0	6.2	0.0	0.0	0.0	6.9	0.0	0.0	0.0	4.6
19	0.0	0.0	0.0	8.3	0.0	0.0	0.0	7.3	0.0	1.4	1.4	.9
20	0.0	3.3	3.3	2.8	0.0	0.0	0.0	8.8	0.0	0.0	0.0	8.5
21	0.0	1.5	1.5	6.8	4.7	0.0	4.7	5.6	2.2	0.0	2.2	2.0
22	.2	0.0	.2	1.6	0.0	0.0	0.0	3.8	0.0	38.9	38.9	1.7
23	0.0	0.0	0.0	1.9	0.0	0.0	0.0	9.3	4.8	23.4	28.2	4.0
24	2.5	.1	2.6	6.0	.8	0.0	.8	3.8	0.0	9.2	9.2	4.3
25	0.0	0.0	0.0	4.9	0.0	8.2	8.2	1.5	0.0	32.6	32.6	3.3
26	0.0	0.0	0.0	4.3	.1	0.0	.1	4.5	0.0	19.0	19.0	7.4
27	0.0	1.0	1.0	.8	0.0	0.0	0.0	2.7	3.0	.7	3.7	0.0
28	0.0	0.0	0.0	5.0	0.0	64.7	64.7	5.2	.1	16.9	17.0	.6
29	0.0	0.0	0.0	2.4	0.0	0.0	0.0	2.7	0.0	8.2	8.2	2.6
30	0.0	.3	.3	3.7	0.0	0.0	0.0	6.7	.1	4.5	4.6	2.9
31	3.0	12.0	15.0	3.3	0.0	.5	.5	2.6				
	7.6	80.8	88.4	152.0	9.4	87.2	96.6	141.1	34.4	301.6	336.0	91.6

	Octubre				*Noviembre*				*Diciembre*			
	Precipitación (mm)			Brillo	Precipitación (mm)			Brillo	Precipitación (mm)			Brillo
N°Día	Día	Noche	Total	Sol.(h)	Día	Noche	Total	Sol.(h)	Día	Noche	Total	Sol.(h)
1	0.0	32.7	32.7	6.2	0.0	10.8	10.8	.4	7.5	28.2	35.7	2.0
2	12.9	0.0	12.9	.6	1.5	1.1	2.6	2.1	.7	4.0	4.7	.3
3	0.0	.7	.7	5.8	0.0	1.2	1.2	3.4	10.2	11.6	21.8	3.9
4	0.0	0.0	0.0	2.5	7.0	32.3	39.3	4.0	0.0	29.8	29.8	2.4
5	37.0	0.0	37.0	6.7	5.1	67.3	72.4	4.2	0.0	33.8	33.8	4.5
6	46.8	17.9	64.7	0.0	0.0	2.6	2.6	6.2	48.3	58.3	106.6	2.0
7	0.0	9.8	9.8	5.6	0.0	2.1	2.1	2.3	7.4	61.7	69.1	.9
8	0.0	0.0	0.0	4.2	.2	14.7	14.9	.5	0.0	15.8	15.8	5.0
9	0.0	0.0	0.0	3.7	0.0	21.1	21.1	2.7	8.0	26.2	34.2	2.0
10	0.0	0.0	0.0	7.9	0.0	3.2	3.2	2.0	0.0	38.3	38.3	5.9
11	0.0	44.5	44.5	1.8	1.8	2.5	4.3	.3	10.9	4.0	14.9	3.3
12	3.2	0.0	3.2	1.4	0.0	.3	.3	1.1	2.5	46.5	49.0	4.7
13	0.0	.3	.3	1.8	0.0	6.5	6.5	2.8	0.0	45.0	45.0	3.1
14	0.0	0.0	0.0	5.9	0.0	0.0	0.0	3.7	0.0	31.0	31.0	4.6
15	0.0	.9	.9	6.6	14.0	0.0	14.0	1.5	0.0	15.0	15.0	4.9
16	0.0	7.6	7.6	.6	0.0	.5	.5	5.8	1.0	1.8	2.8	1.7
17	0.0	8.0	8.0	.8	.3	18.8	19.1	.9	0.0	48.0	48.0	3.0
18	7.5	3.2	10.7	4.1	17.2	33.0	50.2	1.1	0.0	2.5	2.5	2.2
19	2.6	0.0	2.6	4.5	3.8	0.0	3.8	7.3	0.0	33.5	33.5	.7
20	0.0	21.4	21.4	5.0	3.9	7.5	11.4	.3	1.5	7.0	8.5	3.7
21	1.0	22.8	23.8	0.0	15.8	8.8	24.6	0.0	4.4	33.9	38.3	1.8
22	1.0	23.2	24.2	4.1	3.7	0.0	3.7	0.0	3.1	23.1	26.2	.2
23	3.8	1.2	5.0	.2	.4	.5	.9	4.3	0.0	0.0	0.0	.3
24	.4	13.3	13.7	2.2	9.3	2.1	11.4	2.5	6.6	0.0	6.6	1.0
25	.7	0.0	.7	1.1	2.3	0.0	2.3	.8	.6	0.0	.6	.9
26	.5	19.4	19.9	3.0	1.0	40.0	41.0	1.9	.3	0.0	.3	1.3
27	35.7	3.6	39.3	1.3	6.0	20.0	26.0	3.5	0.0	0.0	0.0	2.5
28	3.0	20.0	23.0	1.4	0.0	.4	.4	1.0	4.3	0.0	4.3	2.8
29	0.0	23.1	23.1	5.1	0.0	60.0	60.0	5.8	0.0	0.0	0.0	5.2
30	13.5	0.0	13.5	1.0	2.4	.1	2.5	1.9	0.0	0.0	0.0	6.6
31	0.0	.5	.5	7.1					0.0	41.0	41.0	8.4
	169.6	274.1	443.7	102.2	95.7	357.4	453.1	74.3	117.3	640.0	757.3	91.8


Irco Dosaguas
BRILLO SOLAR
(Horas)
160
140
120
100
80
60
40
20
0
E F M A M J J A S O N D
Meses
Brillo solar hist.
Brillo solar 99


LLUVIA
(mm)
800
600
400
200
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : EL BERRION
Año : 1999

Dpto. : VALLE
Mpio. : CARTAGO

Latitud : 4 ° 41 ' N
Longitud : 75 ° 51 ' W
Altitud : 1150 m

Enero

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total (mm)	Brillo Sol.(h)
1	0.0	0.0	0.0	1.4
2	.1	14.6	14.7	4.5
3	.7	0.0	.7	5.3
4	1.4	.6	2.0	5.8
5	.1	0.0	.1	2.0
6	0.0	0.0	0.0	7.3
7	0.0	1.4	1.4	5.8
8	0.0	0.0	0.0	1.0
9	0.0	0.0	0.0	1.2
10	31.7	9.9	41.6	3.4
11	.1	.4	.5	1.6
12	2.5	.1	2.6	.8
13	0.0	0.0	0.0	4.8
14	.6	0.0	.6	4.6
15	0.0	0.0	0.0	8.1
16	0.0	0.0	0.0	2.6
17	0.0	0.0	0.0	7.3
18	7.5	.1	7.6	8.1
19	0.0	7.4	7.4	3.1
20	.7	0.0	.7	4.7
21	6.7	2.5	9.2	6.9
22	2.9	0.0	2.9	3.5
23	6.5	0.0	6.5	4.4
24	5.8	3.9	9.7	5.8
25	0.0	.3	.3	2.8
26	0.0	0.0	0.0	2.1
27	.4	1.4	1.8	.1
28	.6	0.0	.6	9.0
29	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	2.3
31	.9	0.0	.9	4.9
	69.2	42.6	111.8	125.2

Febrero

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total (mm)	Brillo Sol.(h)
1	0.0	0.0	0.0	5.1
2	1.6	0.0	1.6	4.7
3	0.0	18.6	18.6	6.4
4	0.0	0.0	0.0	1.8
5	.1	8.8	8.9	2.8
6	0.0	.4	.4	1.6
7	0.0	0.0	0.0	4.5
8	0.0	0.0	0.0	8.9
9	0.0	0.0	0.0	9.2
10	0.0	0.0	0.0	.4
11	1.8	2.6	4.4	4.7
12	.5	11.1	11.6	2.0
13	.1	1.4	1.5	0.0
14	3.6	1.3	4.9	4.5
15	8.8	.2	9.0	.3
16	7.9	3.8	11.7	2.7
17	19.1	.1	19.2	.5
18	6.0	1.9	7.9	3.3
19	.9	4.6	5.5	5.4
20	1.2	0.0	1.2	1.2
21	0.0	4.3	4.3	4.3
22	.1	23.0	23.1	2.3
23	4.5	30.2	34.7	3.1
24	.5	46.5	47.0	1.3
25	0.0	0.0	0.0	4.6
26	15.7	12.8	28.5	5.0
27	0.0	4.2	4.2	3.2
28	6.2	6.0	12.2	.5
29				
30				
31				
	78.6	181.8	260.4	94.3

Marzo

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total (mm)	Brillo Sol.(h)
1	1.1	0.0	1.1	1.3
2	0.0	0.0	0.0	2.4
3	.2	.1	.3	7.0
4	16.0	0.0	16.0	3.3
5	1.4	0.0	1.4	7.9
6	0.0	31.9	31.9	8.1
7	1.3	0.0	1.3	6.2
8	10.0	31.0	41.0	6.7
9	.4	0.0	.4	2.7
10	0.0	0.0	0.0	6.6
11	0.0	0.0	0.0	5.1
12	0.0	0.0	0.0	6.6
13	16.0	0.0	16.0	4.2
14	0.0	0.0	0.0	1.3
15	3.0	15.0	18.0	1.9
16	0.0	0.0	0.0	3.5
17	0.0	23.4	23.4	4.7
18	0.0	10.8	10.8	3.0
19	.6	14.1	14.7	2.1
20	0.0	0.0	0.0	3.5
21	0.0	0.0	0.0	3.2
22	0.0	.3	.3	4.9
23	2.4	0.0	2.4	4.2
24	0.0	0.0	0.0	3.4
25	0.0	0.0	0.0	5.2
26	0.0	0.0	0.0	4.1
27	0.0	0.0	0.0	.7
28	14.5	4.3	18.8	2.5
29	.5	0.0	.5	3.8
30	0.0	0.0	0.0	3.5
31	0.0	0.0	0.0	6.1
	67.4	130.9	198.3	129.7

Abril

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total (mm)	Brillo Sol.(h)
1	.2	0.0	.2	3.2
2	0.0	14.1	14.1	5.8
3	0.0	0.0	0.0	0.0
4	24.0	2.1	26.1	0.0
5	0.0	2.0	2.0	5.8
6	0.0	.1	.1	8.2
7	9.3	6.8	16.1	5.4
8	23.0	1.2	24.2	0.0
9	9.6	0.0	9.6	1.1
10	39.3	.5	39.8	1.5
11	0.0	.1	.1	2.3
12	.3	2.7	3.0	2.7
13	0.0	0.0	0.0	2.9
14	14.1	4.0	18.1	2.2
15	2.3	0.0	2.3	3.1
16	0.0	0.0	0.0	7.3
17	0.0	0.0	0.0	9.0
18	0.0	0.0	0.0	6.7
19	0.0	0.0	0.0	6.7
20	0.0	0.0	0.0	4.9
21	1.7	0.0	1.7	8.3
22	0.0	.9	.9	9.6
23	1.3	.1	1.4	.1
24	9.8	0.0	9.8	2.6
25	12.5	1.6	14.1	5.1
26	1.3	7.2	8.5	1.8
27	1.0	0.0	1.0	.1
28	0.0	.3	.3	4.1
29	1.8	21.0	22.8	7.2
30	6.3	0.0	6.3	0.0
31				
	157.8	64.7	222.5	117.7

Mayo

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total (mm)	Brillo Sol.(h)
1	.4	.4	.8	6.9
2	.6	0.0	.6	2.4
3	0.0	.7	.7	6.4
4	0.0	0.0	0.0	0.0
5	2.3	1.5	3.8	5.4
6	0.0	30.0	30.0	3.8
7	.1	2.5	2.6	5.8
8	0.0	0.0	0.0	6.0
9	25.5	9.0	34.5	2.1
10	4.8	.1	4.9	5.5
11	.5	0.0	.5	1.2
12	.1	61.9	62.0	6.2
13	.2	.3	.5	1.3
14	0.0	0.0	0.0	6.0
15	0.0	5.7	5.7	4.7
16	.1	.2	.3	8.1
17	0.0	0.0	0.0	9.3
18	5.1	0.0	5.1	.8
19	.5	0.0	.5	7.2
20	0.0	0.0	0.0	5.2
21	13.1	0.0	13.1	5.8
22	3.5	0.0	3.5	5.0
23	0.0	0.0	0.0	9.3
24	.2	4.6	4.8	7.3
25	2.5	0.0	2.5	5.7
26	0.0	0.0	0.0	8.7
27	0.0	0.0	0.0	6.0
28	0.0	0.0	0.0	1.9
29	14.1	0.0	14.1	3.8
30	0.0	0.0	0.0	7.2
31	1.9	.2	2.1	7.8
	75.5	117.1	192.6	162.8

Junio

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total (mm)	Brillo Sol.(h)
1	.6	5.8	6.4	5.1
2	1.5	0.0	1.5	2.2
3	.1	0.0	.1	3.4
4	3.4	1.1	4.5	1.3
5	.4	0.0	.4	0.0
6	15.1	6.3	21.4	2.7
7	2.6	9.3	11.9	2.9
8	0.0	9.2	9.2	5.4
9	26.9	.2	27.1	7.1
10	0.0	5.7	5.7	6.5
11	.1	0.0	.1	4.3
12	0.0	31.7	31.7	6.8
13	9.0	0.0	9.0	0.0
14	3.0	0.0	3.0	3.1
15	.2	1.1	1.3	3.1
16	2.7	3.2	5.9	3.0
17	6.0	30.5	36.5	8.0
18	1.9	0.0	1.9	0.0
19	0.0	0.0	0.0	4.5
20	8.1	0.0	8.1	5.0
21	2.8	0.0	2.8	.5
22	0.0	0.0	0.0	5.9
23	.3	0.0	.3	2.1
24	0.0	1.9	1.9	4.8
25	0.0	.8	.8	2.9
26	.2	19.4	19.6	2.6
27	3.9	11.2	15.1	4.9
28	0.0	0.0	0.0	1.7
29	0.0	.3	.3	5.2
30	0.0	2.6	2.6	6.8
31				
	88.8	140.3	229.1	111.8

Estación : EL BERRION
Año : 1999

Dpto. : VALLE
Mpio. : CARTAGO

Latitud : 4 ° 41 ' N
Longitud : 75 ° 51 ' W
Altitud : 1150 m

Julio

N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	0.0	1.0	1.0	2.1
2	0.0	29.2	29.2	4.9
3	0.0	.4	.4	2.8
4	0.0	0.0	0.0	6.8
5	.2	0.0	.2	7.9
6	0.0	0.0	0.0	6.5
7	0.0	0.0	0.0	4.9
8	0.0	0.0	0.0	3.1
9	0.0	0.0	0.0	6.1
10	0.0	0.0	0.0	9.7
11	0.0	0.0	0.0	6.0
12	.1	0.0	.1	8.5
13	0.0	0.0	0.0	9.0
14	6.8	0.0	6.8	8.2
15	0.0	0.0	0.0	9.3
16	0.0	.8	.8	7.4
17	0.0	0.0	0.0	7.2
18	0.0	0.0	0.0	7.3
19	0.0	1.8	1.8	6.4
20	0.0	0.0	0.0	6.6
21	0.0	0.0	0.0	7.5
22	.4	0.0	.4	5.4
23	.2	0.0	.2	5.4
24	0.0	0.0	0.0	5.2
25	0.0	0.0	0.0	1.3
26	.7	.2	.9	4.9
27	0.0	0.0	0.0	5.9
28	0.0	0.0	0.0	5.0
29	0.0	0.0	0.0	4.5
30	.2	0.0	.2	7.8
31	4.9	1.0	5.9	4.0
	13.5	34.4	47.9	187.6

Agosto

N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	6.1	0.0	6.1	7.5
2	.4	5.0	5.4	5.9
3	13.1	0.0	13.1	3.2
4	0.0	0.0	0.0	5.6
5	0.0	0.0	0.0	8.2
6	0.0	41.5	41.5	7.7
7	0.0	.4	.4	7.2
8	0.0	0.0	0.0	6.8
9	0.0	0.0	0.0	3.0
10	.6	0.0	.6	7.2
11	11.2	0.0	11.2	6.4
12	.3	0.0	.3	5.9
13	9.5	.2	9.7	3.5
14	2.5	20.0	22.5	6.4
15	0.0	0.0	0.0	6.2
16	0.0	0.0	0.0	5.7
17	0.0	0.0	0.0	4.4
18	0.0	0.0	0.0	5.3
19	0.0	0.0	0.0	8.6
20	0.0	0.0	0.0	6.8
21	24.5	0.0	24.5	.2
22	0.0	0.0	0.0	6.3
23	3.5	0.0	3.5	3.8
24	0.0	0.0	0.0	3.6
25	1.5	3.3	4.8	.3
26	0.0	5.4	5.4	4.0
27	1.4	0.0	1.4	2.0
28	0.0	.5	.5	2.7
29	0.0	0.0	0.0	7.1
30	0.0	0.0	0.0	6.3
31				
	74.6	76.3	150.9	165.8

Septiembre

N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	5.7	23.0	28.7	4.9
2	0.0	0.0	0.0	4.2
3	0.0	0.0	0.0	3.2
4	1.5	0.0	1.5	3.1
5	.4	0.0	.4	1.0
6	1.6	0.0	1.6	4.7
7	.1	16.8	16.9	4.9
8	20.0	29.0	49.0	3.6
9	13.4	5.8	19.2	3.5
10	.2	0.0	.2	.6
11	1.1	8.6	9.7	2.7
12	6.0	.9	6.9	1.4
13	4.4	14.9	19.3	4.2
14	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	3.4
16	0.0	25.6	25.6	6.9
17	1.5	0.0	1.5	3.4
18	.1	0.0	.1	4.2
19	6.3	.5	6.8	6.6
20	.2	0.0	.2	2.6
21	.9	18.3	19.2	2.1
22	0.0	0.0	0.0	2.5
23	.1	.3	.4	.8
24	1.4	18.0	19.4	3.6
25	0.0	13.8	13.8	2.7
26	2.3	11.8	14.1	2.3
27	1.6	2.4	4.0	.7
28	.3	7.4	7.7	1.6
29	0.0	0.0	0.0	1.3
30	0.0	19.5	19.5	5.4
31				
	69.1	216.6	285.7	92.1

Octubre

N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	0.0	0.0	0.0	.3
2	0.0	2.5	2.5	3.8
3	4.1	3.5	7.6	6.2
4	0.0	0.0	0.0	2.5
5	.2	6.2	6.4	5.1
6	6.8	0.0	6.8	1.5
7	.6	.4	1.0	4.0
8	0.0	0.0	0.0	6.9
9	.9	.1	1.0	7.0
10	0.0	.7	.7	3.7
11	0.0	0.0	0.0	5.0
12	4.9	0.0	4.9	4.6
13	0.0	0.0	0.0	6.5
14	.4	.2	.6	6.0
15	2.4	11.7	14.1	5.2
16	16.3	0.0	16.3	4.5
17	3.7	0.0	3.7	1.8
18	0.0	.6	.6	7.0
19	0.0	0.0	0.0	7.1
20	5.3	.8	6.1	2.6
21	.3	4.6	4.9	4.1
22	6.9	0.0	6.9	3.8
23	0.0	0.0	0.0	.9
24	0.0	12.1	12.1	4.1
25	5.7	47.8	53.5	3.5
26	0.0	4.1	4.1	3.7
27	5.5	6.9	12.4	5.9
28	6.9	2.6	9.5	3.6
29	10.0	26.0	36.0	5.4
30	0.0	0.0	0.0	1.2
31	0.0	0.0	0.0	4.7
	80.9	130.8	211.7	132.2

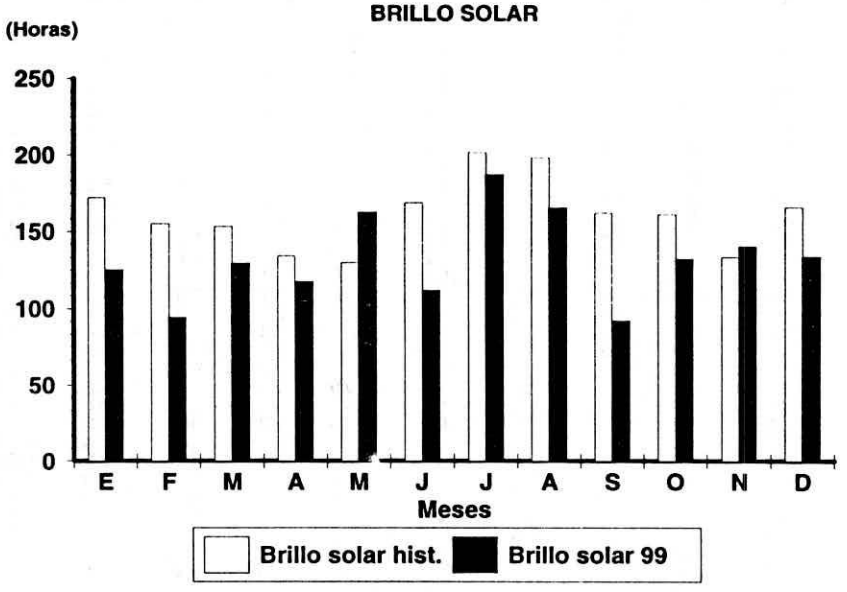
Noviembre

N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	0.0	0.0	0.0	4.3
2	0.0	2.0	2.0	6.7
3	.1	6.5	6.6	4.1
4	6.9	3.6	10.5	3.9
5	0.0	.2	.2	7.0
6	.9	1.9	2.8	3.4
7	1.9	1.5	3.4	2.7
8	.6	0.0	.6	2.8
9	0.0	0.0	0.0	8.6
10	0.0	19.3	19.3	8.2
11	.7	0.0	.7	.2
12	.3	1.5	1.8	2.9
13	.3	0.0	.3	4.5
14	0.0	3.8	3.8	7.4
15	0.0	0.0	0.0	.9
16	0.0	.4	.4	8.6
17	.4	8.7	9.1	8.8
18	0.0	1.4	1.4	.9
19	0.0	.3	.3	1.3
20	10.7	4.3	15.0	.8
21	1.2	4.7	5.9	1.3
22	28.6	0.0	28.6	0.0
23	.4	5.2	5.6	6.8
24	9.5	0.0	9.5	4.7
25	0.0	0.0	0.0	5.5
26	0.0	3.8	3.8	7.6
27	0.0	0.0	0.0	8.8
28	0.0	0.0	0.0	7.4
29	0.0	0.0	0.0	7.6
30	26.5	.3	26.8	2.9
31				
	89.0	69.4	158.4	140.6

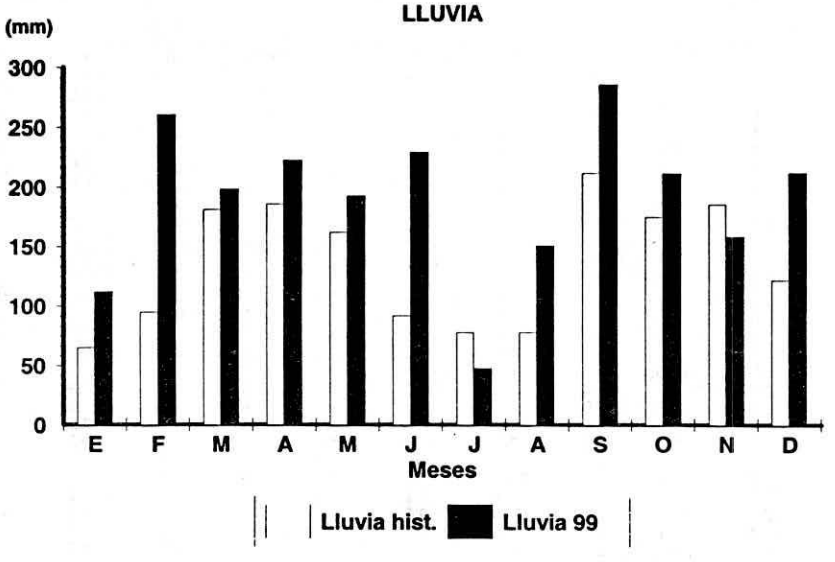
Diciembre

N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	.2	12.3	12.5	.2
2	0.0	0.0	0.0	1.8
3	1.6	10.1	11.7	1.0
4	.9	8.6	9.5	2.9
5	10.0	0.0	10.0	2.8
6	0.0	4.1	4.1	3.7
7	0.0	0.0	0.0	5.9
8	20.9	7.7	28.6	7.8
9	0.0	0.0	0.0	7.1
10	1.4	0.0	1.4	1.5
11	1.8	.7	2.5	5.1
12	4.0	15.6	19.6	2.6
13	0.0	0.0	0.0	3.9
14	.8	14.5	15.3	1.3
15	0.0	5.4	5.4	2.8
16	0.0	2.7	2.7	1.8
17	0.0	9.9	9.9	2.0
18	3.7	.2	3.9	4.9
19	0.0	2.2	2.2	4.4
20	0.0	9.2	9.2	4.4
21	1.6	7.7	9.3	5.8
22	1.9	0.0	1.9	1.4
23	5.6	4.2	9.8	5.5
24	28.2	14.0	42.2	1.3
25	.2	0.0	.2	3.6
26	0.0	0.0	0.0	7.8
27	0.0	0.0	0.0	8.0
28	0.0	0.0	0.0	8.6
29	0.0	0.0	0.0	9.0
30	.2	.1	.3	8.7
31	0.0	0.0	0.0	6.3
	83.0	129.2	212.2	133.9

El Berrión
BRILLO SOLAR



LLUVIA



Estación : LA SELVA
Año : 1999

Dpto. : VALLE
Mpio. : GINEBRA

Latitud : 3 ° 45 ' N
Longitud : 76 ° 12 ' W
Altitud : 1800 m

Enero

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total (mm)	Brillo Sol.(h)
1	0.0	0.0	0.0	1.9
2	1.9	.5	2.4	2.7
3	.6	11.1	11.7	2.2
4	28.3	.3	28.6	.1
5	11.3	0.0	11.3	2.0
6	0.0	22.9	22.9	1.8
7	35.1	1.3	36.4	.7
8	4.0	0.0	4.0	.2
9	10.1	2.9	13.0	1.3
10	0.0	27.4	27.4	3.1
11	0.0	2.4	2.4	2.4
12	0.0	.9	.9	4.1
13	9.6	0.0	9.6	.9
14	2.6	0.0	2.6	3.2
15	0.0	9.5	9.5	3.4
16	1.9	.7	2.6	4.6
17	0.0	0.0	0.0	4.6
18	0.0	0.0	0.0	2.3
19	2.4	0.0	2.4	.4
20	.3	0.0	.3	2.1
21	1.5	0.0	1.5	3.5
22	0.0	0.0	0.0	.6
23	0.0	.4	.4	2.1
24	1.9	0.0	1.9	.2
25	7.4	6.3	13.7	.5
26	5.1	44.3	49.4	.6
27	2.6	2.3	4.9	.9
28	.6	.2	.8	.9
29	0.0	0.0	0.0	1.5
30	1.0	0.0	1.0	3.9
31	0.0	2.3	2.3	3.5
	128.2	135.7	263.9	62.2

Febrero

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total (mm)	Brillo Sol.(h)
1	3.5	0.0	3.5	2.4
2	2.6	0.0	2.6	1.9
3	4.4	0.0	4.4	3.1
4	0.0	8.8	8.8	2.4
5	9.7	.4	10.1	.2
6	4.2	2.4	6.6	1.9
7	.9	0.0	.9	2.8
8	0.0	0.0	0.0	7.1
9	0.0	.4	.4	5.3
10	6.8	0.0	6.8	.4
11	0.0	0.0	0.0	5.2
12	0.0	0.0	0.0	1.4
13	4.6	.3	4.9	0.0
14	.4	.2	.6	1.6
15	32.6	0.0	32.6	.2
16	1.2	28.8	30.0	.5
17	4.8	17.9	22.7	.2
18	4.2	.1	4.3	.6
19	8.6	27.8	36.4	1.9
20	3.8	0.0	3.8	.2
21	.7	8.7	9.4	1.9
22	3.2	.1	3.3	2.1
23	0.0	10.8	10.8	0.0
24	3.3	2.9	6.2	0.0
25	7.0	0.0	7.0	0.0
26	2.2	11.1	13.3	5.5
27	2.6	6.1	8.7	.8
28	37.9	20.0	57.9	1.6
29				
30				
31				
	149.2	146.8	296.0	51.2

Marzo

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total (mm)	Brillo Sol.(h)
1	.8	0.0	.8	1.1
2	0.0	0.0	0.0	.1
3	9.1	23.3	32.4	3.4
4	0.0	0.0	0.0	2.2
5	0.0	0.0	0.0	4.4
6	5.2	0.0	5.2	3.7
7	7.3	0.0	7.3	2.4
8	.5	26.3	26.8	8.2
9	17.9	0.0	17.9	.3
10	8.1	0.0	8.1	2.7
11	0.0	.3	.3	3.0
12	0.0	0.0	0.0	5.5
13	0.0	0.0	0.0	0.0
14	0.0	.4	.4	3.0
15	10.5	0.0	10.5	.1
16	10.3	2.5	12.8	1.1
17	4.7	17.2	21.9	2.7
18	.3	0.0	.3	.8
19	4.4	12.8	17.2	1.1
20	1.5	0.0	1.5	2.5
21	14.4	0.0	14.4	.8
22	.6	0.0	.6	.6
23	0.0	0.0	0.0	2.0
24	0.0	0.0	0.0	1.3
25	0.0	0.0	0.0	3.2
26	0.0	.1	.1	2.0
27	.3	.1	.4	.7
28	3.0	5.1	8.1	1.3
29	0.0	0.0	0.0	3.3
30	4.7	2.8	7.5	3.5
31	.1	1.3	1.4	4.2
	103.7	92.2	195.9	71.2

Abril

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total (mm)	Brillo Sol.(h)
1	.5	0.0	.5	.2
2	0.0	12.7	12.7	1.0
3	0.0	23.8	23.8	0.0
4	0.0	17.8	17.8	1.7
5	0.0	3.2	3.2	3.0
6	0.0	0.0	0.0	2.7
7	31.5	1.5	33.0	2.6
8	2.7	2.5	5.2	.8
9	1.0	0.0	1.0	.3
10	15.5	4.7	20.2	.1
11	0.0	0.0	0.0	2.1
12	.1	.6	.7	3.3
13	0.0	0.0	0.0	2.2
14	8.8	23.0	31.8	.8
15	0.0	0.0	0.0	3.2
16	0.0	0.0	0.0	2.9
17	0.0	0.0	0.0	10.1
18	0.0	0.0	0.0	4.2
19	0.0	.2	.2	.9
20	3.1	0.0	3.1	1.4
21	0.0	0.0	0.0	1.5
22	0.0	0.0	0.0	3.4
23	0.0	0.0	0.0	0.0
24	1.1	10.2	11.3	.6
25	0.0	24.0	24.0	.7
26	14.5	3.0	17.5	1.1
27	12.9	0.0	12.9	0.0
28	.8	0.0	.8	1.1
29	0.0	72.3	72.3	1.8
30	24.0	0.0	24.0	.1
31				
	116.5	199.5	316.0	53.8

Mayo

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total (mm)	Brillo Sol.(h)

Junio

N°Día	Precipitación Día	Precipitación Noche	Precipitación Total (mm)	Brillo Sol.(h)
1	0.0	.5	.5	2.8
2	.1	0.0	.1	2.4
3	.5	0.0	.5	1.4
4	0.0	12.0	12.0	1.0
5	1.0	0.0	1.0	.7
6	0.0	0.0	0.0	4.5
7	2.8	2.3	5.1	.8
8	2.0	2.0	4.0	1.2
9	0.0	0.0	0.0	7.4
10	0.0	0.0	0.0	6.9
11	0.0	0.0	0.0	1.9
12	0.0	0.0	0.0	3.9
13	13.0	0.0	13.0	0.0
14	4.8	0.0	4.8	.2
15	.2	1.9	2.1	1.7
16	2.0	2.0	4.0	.8
17	.2	0.0	.2	2.4
18	2.6	0.0	2.6	0.0
19	1.7	0.0	1.7	2.8
20	0.0	0.0	0.0	2.1
21	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	4.6
23	.2	0.0	.2	3.0
24	0.0	0.0	0.0	4.9
25	0.0	0.0	0.0	1.2
26	.7	1.3	2.0	1.4
27	2.0	1.0	3.0	.9
28	4.0	4.0	8.0	1.0
29	.3	0.0	.3	3.7
30	0.0	0.0	0.0	5.6
31				
	38.1	27.0	65.1	71.2

Estación : LA SELVA
Año : 1999

Dpto. : VALLE
Mpio. : GINEBRA

Latitud : 3 ° 45 ' N
Longitud : 76 ° 12 ' W
Altitud : 1800 m

Julio

N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	3.6	0.0	3.6	.2
2	.9	5.1	6.0	2.5
3	.4	.1	.5	1.7
4	0.0	0.0	0.0	5.5
5	0.0	0.0	0.0	6.2
6	0.0	0.0	0.0	3.6
7	0.0	0.0	0.0	1.5
8	0.0	0.0	0.0	3.9
9	0.0	0.0	0.0	6.6
10	0.0	0.0	0.0	10.6
11	0.0	0.0	0.0	1.8
12	0.0	0.0	0.0	6.3
13	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	7.7
15	0.0	0.0	0.0	6.4
16	0.0	0.0	0.0	2.4
17	0.0	0.0	0.0	6.0
18	0.0	0.0	0.0	3.7
19	0.0	0.0	0.0	3.6
20	0.0	0.0	0.0	3.0
21	0.0	0.0	0.0	5.8
22	.1	0.0	.1	1.3
23	.4	0.0	.4	3.1
24	0.0	0.0	0.0	1.2
25	0.0	0.0	0.0	8.8
26	0.0	0.0	0.0	2.8
27	0.0	0.0	0.0	2.4
28	0.0	0.0	0.0	1.5
29	0.0	0.0	0.0	4.6
30	0.0	0.0	0.0	7.2
31	2.5	0.0	2.5	3.1
	7.9	5.2	13.1	125.0

Agosto

N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	0.0	0.0	0.0	5.1
2	0.0	0.0	0.0	5.3
3	0.0	0.0	0.0	1.7
4	0.0	0.0	0.0	4.4
5	0.0	0.0	0.0	3.0
6	2.9	0.0	2.9	2.2
7	2.0	0.0	2.0	1.1
8	0.0	1.3	1.3	3.6
9	0.0	0.0	0.0	1.9
10	0.0	0.0	0.0	3.7
11	3.2	0.0	3.2	3.7
12	0.0	0.0	0.0	3.0
13	0.0	.5	.5	1.4
14	0.0	24.8	24.8	.8
15	0.0	0.0	0.0	2.6
16	0.0	0.0	0.0	7.0
17	.3	0.0	.3	3.0
18	0.0	0.0	0.0	3.1
19	0.0	0.0	0.0	5.3
20	0.0	0.0	0.0	6.1
21	28.4	0.0	28.4	0.0
22	2.0	.7	2.7	2.8
23	0.0	0.0	0.0	5.3
24	0.0	0.0	0.0	5.4
25	7.5	3.0	10.5	2.0
26	1.0	0.0	1.0	3.4
27	5.8	0.0	5.8	.2
28	3.2	.1	3.3	2.7
29	0.0	0.0	0.0	6.4
30	0.0	0.0	0.0	3.4
31	0.0	0.0	0.0	3.9
	56.3	30.4	86.7	103.5

Septiembre

N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	1.6	16.6	18.2	.5
2	0.0	0.0	0.0	3.1
3	0.0	0.0	0.0	2.8
4	0.0	0.0	0.0	1.4
5	0.0	0.0	0.0	.1
6	0.0	1.2	1.2	3.0
7	0.0	.1	.1	4.9
8	.8	2.9	3.7	1.5
9	4.2	.1	4.3	.6
10	1.9	1.3	3.2	.3
11	1.0	25.0	26.0	1.2
12	3.6	0.0	3.6	.7
13	0.0	5.4	5.4	1.2
14	.9	.6	1.5	0.0
15	0.0	0.0	0.0	3.4
16	3.5	.3	3.8	2.4
17	20.2	0.0	20.2	.6
18	0.0	0.0	0.0	5.5
19	0.0	.6	.6	2.9
20	2.3	1.1	3.4	3.5
21	0.0	6.4	6.4	1.3
22	1.3	0.0	1.3	2.1
23	0.0	0.0	0.0	.2
24	0.0	1.6	1.6	2.6
25	7.0	17.0	24.0	.1
26	1.2	6.5	7.7	.5
27	5.2	.2	5.4	0.0
28	11.9	5.5	17.4	0.0
29	0.0	0.0	0.0	.5
30	.5	8.4	8.9	1.4
	67.1	100.8	167.9	48.3

Octubre

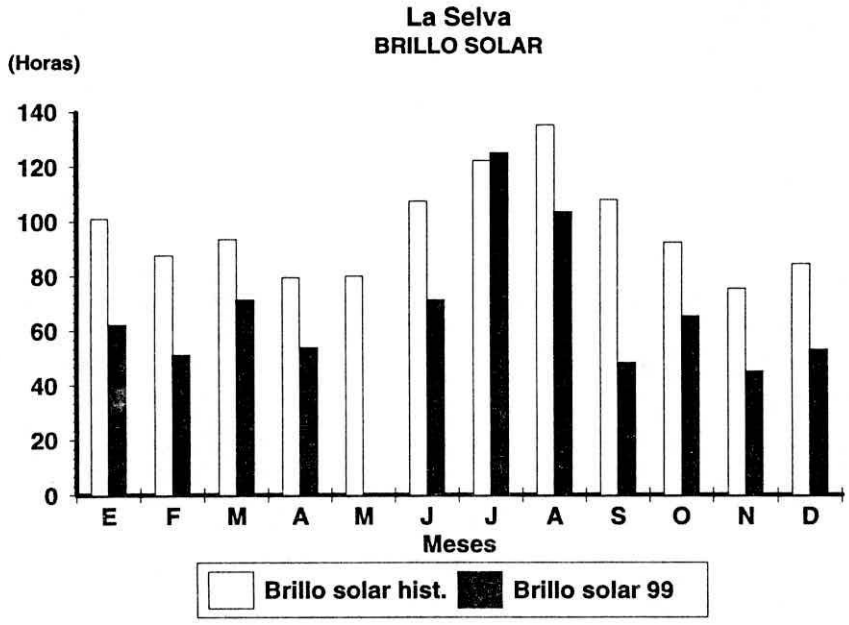
N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	2.3	0.0	2.3	2.1
2	0.0	0.0	0.0	4.0
3	3.0	1.5	4.5	1.9
4	0.0	0.0	0.0	2.2
5	0.0	25.4	25.4	3.9
6	.9	0.0	.9	.1
7	37.0	1.0	38.0	3.0
8	0.0	0.0	0.0	7.5
9	2.3	0.0	2.3	2.6
10	.9	.6	1.5	2.3
11	0.0	4.2	4.2	3.1
12	.3	0.0	.3	.8
13	0.0	0.0	0.0	1.7
14	0.0	0.0	0.0	2.2
15	0.0	.6	.6	4.0
16	0.0	0.0	0.0	2.1
17	1.0	0.0	1.0	1.3
18	.9	2.3	3.2	6.1
19	0.0	0.0	0.0	2.6
20	0.0	0.0	0.0	.7
21	0.0	61.0	61.0	.6
22	7.8	3.8	11.6	.9
23	7.2	0.0	7.2	.3
24	3.7	11.9	15.6	.6
25	16.0	0.0	16.0	.4
26	1.0	43.0	44.0	1.3
27	17.7	11.7	29.4	3.3
28	2.8	0.0	2.8	.3
29	25.8	41.1	66.9	.9
30	2.8	0.0	2.8	.8
31	6.4	0.0	6.4	1.7
	139.8	208.1	347.9	65.3

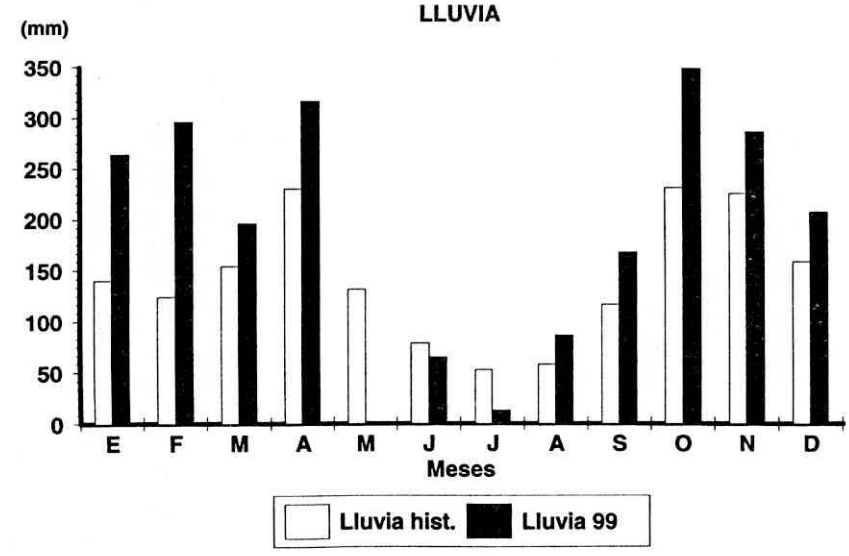
Noviembre

N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	0.0	5.0	5.0	2.6
2	6.8	3.2	10.0	0.0
3	2.4	0.0	2.4	.2
4	3.7	0.0	3.7	1.0
5	1.0	0.0	1.0	.3
6	5.1	3.8	8.9	1.3
7	5.4	0.0	5.4	2.1
8	2.1	0.0	2.1	0.0
9	0.0	0.0	0.0	2.9
10	.3	0.0	.3	2.1
11	5.0	0.0	5.0	0.0
12	1.0	21.0	22.0	1.4
13	2.6	0.0	2.6	1.0
14	0.0	0.0	0.0	6.7
15	20.0	0.0	20.0	.4
16	0.0	0.0	0.0	5.7
17	24.0	23.0	47.0	.6
18	1.0	.8	1.8	.4
19	2.4	1.5	3.9	1.5
20	9.9	13.5	23.4	1.1
21	.3	21.1	21.4	.1
22	7.0	0.0	7.0	0.0
23	8.0	1.0	9.0	1.2
24	40.5	.5	41.0	.1
25	0.0	8.0	8.0	1.1
26	5.0	5.9	10.9	.2
27	9.0	1.8	10.8	.7
28	0.0	0.0	0.0	5.9
29	0.0	0.0	0.0	4.6
30	.5	12.5	13.0	0.0
31				
	163.0	122.6	285.6	45.2

Diciembre

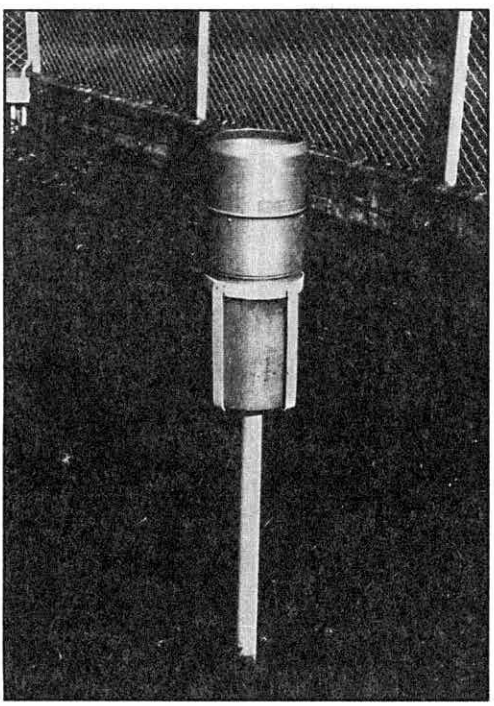
N°Día	Precipitación (mm) Día	Noche	Total	Brillo Sol.(h)
1	6.5	0.0	6.5	.7
2	0.0	0.0	0.0	4.2
3	.4	0.0	.4	.5
4	3.0	9.0	12.0	.3
5	6.0	1.0	7.0	.5
6	1.0	0.0	1.0	1.3
7	1.6	0.0	1.6	.5
8	.4	0.0	.4	2.7
9	21.0	0.0	21.0	2.1
10	3.3	0.0	3.3	.7
11	0.0	0.0	0.0	1.6
12	2.4	0.0	2.4	0.0
13	.8	.2	1.0	.2
14	1.3	3.3	4.6	.2
15	9.1	.1	9.2	.1
16	4.0	0.0	4.0	.1
17	0.0	4.0	4.0	0.0
18	4.0	0.0	4.0	.8
19	0.0	0.0	0.0	.9
20	3.9	0.0	3.9	.3
21	3.3	2.2	5.5	0.0
22	27.0	6.0	33.0	0.0
23	19.0	0.0	19.0	1.1
24	24.0	39.0	63.0	1.7
25	0.0	0.0	0.0	3.8
26	0.0	0.0	0.0	6.7
27	0.0	0.0	0.0	1.3
28	0.0	0.0	0.0	4.5
29	0.0	0.0	0.0	4.4
30	0.0	0.0	0.0	6.8
31	0.0	0.0	0.0	5.1
	142.0	64.8	206.8	53.1


La Selva
BRILLO SOLAR
(Horas)
140
120
100
80
60
40
20
0
E F M A M J J A S O N D
Meses
Brillo solar hist.
Brillo solar 99


LLUVIA
(mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99



ESTACIONES PLUVIOGRAFICAS



Estación : SANTA ANA
Año : 1999

Dpto. : CALDAS
Mpio. : PALESTINA

Latitud : 5 ° 1 ' N
Longitud : 75 ° 40 ' W
Altitud : 1250 m

Enero

N°Dia	Precipitación (mm) Día	Noche	Total
1	0.0	1.1	1.1
2	.4	2.1	2.5
3	0.0	.3	.3
4	0.0	0.0	0.0
5	.6	5.1	5.7
6	0.0	0.0	0.0
7	0.0	15.4	15.4
8	.5	22.1	22.6
9	1.0	0.0	1.0
10	6.0	0.0	6.0
11	0.0	0.0	0.0
12	2.3	0.0	2.3
13	0.0	.5	.5
14	.3	0.0	.3
15	0.0	0.0	0.0
16	2.0	0.0	2.0
17	0.0	0.0	0.0
18	0.0	22.1	22.1
19	0.0	17.7	17.7
20	0.0	0.0	0.0
21	0.0	6.0	6.0
22	10.0	0.0	10.0
23	14.0	0.0	14.0
24	0.0	0.0	0.0
25	0.0	0.0	0.0
26	0.0	0.0	0.0
27	10.0	0.0	10.0
28	1.5	0.0	1.5
29	0.0	2.0	2.0
30	0.0	13.0	13.0
31	0.0	0.0	0.0
	48.6	107.4	156.0

Febrero

Precipitación (mm) Día	Noche	Total
0.0	3.3	3.3
3.6	0.0	3.6
0.0	0.0	0.0
0.0	0.0	0.0
0.0	9.0	9.0
.5	10.4	10.9
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	12.2	12.2
0.0	.2	.2
.5	0.0	.5
.4	6.8	7.2
5.8	.1	5.9
0.0	4.0	4.0
24.7	.3	25.0
0.0	46.0	46.0
0.0	0.0	0.0
0.0	0.0	0.0
7.0	0.0	7.0
1.6	0.0	1.6
1.2	14.1	15.3
.7	22.3	23.0
0.0	0.0	0.0
0 0	9.0	9.0
.1	.9	1.0
6.0	0.0	6.0
52.1	138.6	190.7

Marzo

Precipitación (mm) Día	Noche	Total
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	6.0	6.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	7.6	7.6
.1	.2	.3
4.1	0.0	4.1
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
11.0	13.0	24.0
8.0	0.0	8.0
0.0	3.0	3.0
2.0	48.0	50.0
0.0	0.0	0.0
5.9	0.0	5.9
0.0	0.0	0.0
0.0	0.0	0.0
8.0	0.0	8.0
0.0	0.0	0.0
0.0	.6	.6
0.0	0.0	0.0
3.5	.7	4.2
8.0	0.0	8.0
2.1	6.2	8.3
0.0	0.0	0.0
1.1	12.9	14.0
0.0	0.0	0.0
53.8	98.2	152.0

Abril

N°Dia	Precipitación (mm) Día	Noche	Total
1	0.0	.3	.3
2	0.0	26.1	26.1
3	.5	0.0	.5
4	0.0	1.3	1.3
5	0.0	2.5	2.5
6	0.0	0.0	0.0
7	0.0	17.8	17.8
8	22.7	21.2	43.9
9	1.2	0.0	1.2
10	3.0	17.2	20.2
11	.1	22.6	22.7
12	0.0	5.5	5.5
13	0.0	0.0	0.0
14	0.0	24.2	24.2
15	.7	0.0	.7
16	0.0	0.0	0.0
17	0.0	0.0	0.0
18	0.0	0.0	0.0
19	0.0	0.0	0.0
20	1.2	0.0	1.2
21	0.0	0.0	0.0
22	0.0	.3	.3
23	0.0	11.8	11.8
24	17.6	5.0	22.6
25	0.0	1.9	1.9
26	1.7	4.5	6.2
27	.6	0.0	.6
28	0.0	3.9	3.9
29	.2	20.9	21.1
30	9.2	0.0	9.2
31			
	58.7	187.0	245.7

Mayo

Precipitación (mm) Día	Noche	Total
.2	2.2	2.4
.5	0.0	.5
0.0	7.9	7.9
5.2	0.0	5.2
0.0	5.3	5.3
2.6	6.8	9.4
0.0	4.9	4.9
.6	.9	1.5
.5	23.6	24.1
0.0	0.0	0.0
1.0	.2	1.2
0.0	31.5	31.5
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
.4	27.5	27.9
0.0	0.0	0.0
0.0	.6	.6
2.0	0.0	2.0
.6	3.6	4.2
.1	0.0	.1
0.0	.8	.8
0.0	0.0	0.0
0.0	0.0	0.0
0.0	3.9	3.9
0.0	0.0	0.0
0.0	.4	.4
.3	1.5	1.8
0.0	0.0	0.0
0.0	12.2	12.2
14.0	133.8	147.8

Junio

Precipitación (mm) Día	Noche	Total
0.0	.3	.3
1.0	0.0	1.0
0.0	0.0	0.0
.5	5.4	5.9
1.9	0.0	1.9
.2	7.1	7.3
.8	73.9	74.7
1.0	0.0	1.0
6.7	.6	7.3
0.0	.4	.4
10.7	0.0	10.7
0.0	18.2	18.2
.9	.2	1.1
0.0	.5	.5
.3	2.4	2.7
7.8	0.0	7.8
0.0	0.0	0.0
1.5	0.0	1.5
0.0	3.7	3.7
.1	60.4	60.5
.4	.1	.5
0.0	0.0	0.0
0.0	.2	.2
0.0	28.9	28.9
0.0	3.4	3.4
23.2	4.0	27.2
0.0	3.9	3.9
.6	0.0	.6
0.0	.1	.1
0.0	3.9	3.9
57.6	217.6	275.2

Estación : SANTA ANA
Año : 1999

Dpto. : CALDAS
Mpio. : PALESTINA

Latitud : 5 ° 1 ' N
Longitud : 75 ° 40 ' W
Altitud : 1250 m

Julio

N°Día	Precipitación (mm) Día	Noche	Total
1	0.0	3.4	3.4
2	0.0	26.1	26.1
3	8.2	5.8	14.0
4	0.0	.3	.3
5	0.0	0.0	0.0
6	0.0	0.0	0.0
7	.1	10.1	10.2
8	0.0	4.7	4.7
9	1.3	7.7	9.0
10	0.0	0.0	0.0
11	0.0	4.8	4.8
12	0.0	1.9	1.9
13	0.0	0.0	0.0
14	0.0	0.0	0.0
15	0.0	1.9	1.9
16	0.0	0.0	0.0
17	0.0	1.1	1.1
18	0.0	.7	.7
19	0.0	26.4	26.4
20	0.0	9.6	9.6
21	0.0	0.0	0.0
22	.4	24.8	25.2
23	1.2	.2	1.4
24	0.0	0.0	0.0
25	0.0	19.4	19.4
26	0.0	0.0	0.0
27	5.2	13.0	18.2
28	0.0	5.8	5.8
29	5.7	0.0	5.7
30	0.0	1.1	1.1
31	6.2	0.0	6.2
	28.3	168.8	197.1

Agosto

Precipitación (mm) Día	Noche	Total
0.0	0.0	0.0
0.0	29.1	29.1
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	24.3	24.3
0.0	0.0	0.0
0.0	.3	.3
0.0	0.0	0.0
0.0	0.0	0.0
0.0	2.0	2.0
0.0	11.1	11.1
0.0	.6	.6
0.0	42.8	42.8
0.0	0.0	0.0
0.0	35.6	35.6
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
6.3	24.4	30.7
0.0	0.0	0.0
0.0	1.2	1.2
4.5	0.0	4.5
0.0	0.0	0.0
3.7	0.0	3.7
0.0	0.0	0.0
.6	1.7	2.3
7.5	0.0	7.5
0.0	0.0	0.0
0.0	0.0	0.0
0.0	1.3	1.3
22.6	174.4	197.0

Septiembre

Precipitación (mm) Día	Noche	Total
13.1	.1	13.2
10.7	53.2	63.9
0.0	0.0	0.0
0.0	0.0	0.0
.6	0.0	.6
0.0	0.0	0.0
0.0	56.0	56.0
.1	.1	.2
0.0	18.9	18.9
.5	13.7	14.2
.2	0.0	.2
6.4	1.5	7.9
13.2	25.5	38.7
0.0	0.0	0.0
0.0	0.0	0.0
0.0	66.3	66.3
0.0	0.0	0.0
0.0	5.8	5.8
0.0	32.2	32.2
8.2	0.0	8.2
0.0	24.9	24.9
.4	0.0	.4
21.1	0.0	21.1
0.0	.2	.2
20.8	33.2	54.0
0.0	10.0	10.0
3.5	28.7	32.2
.4	.8	1.2
0.0	0.0	0.0
0.0	13.4	13.4
99.2	384.5	483.7

Octubre

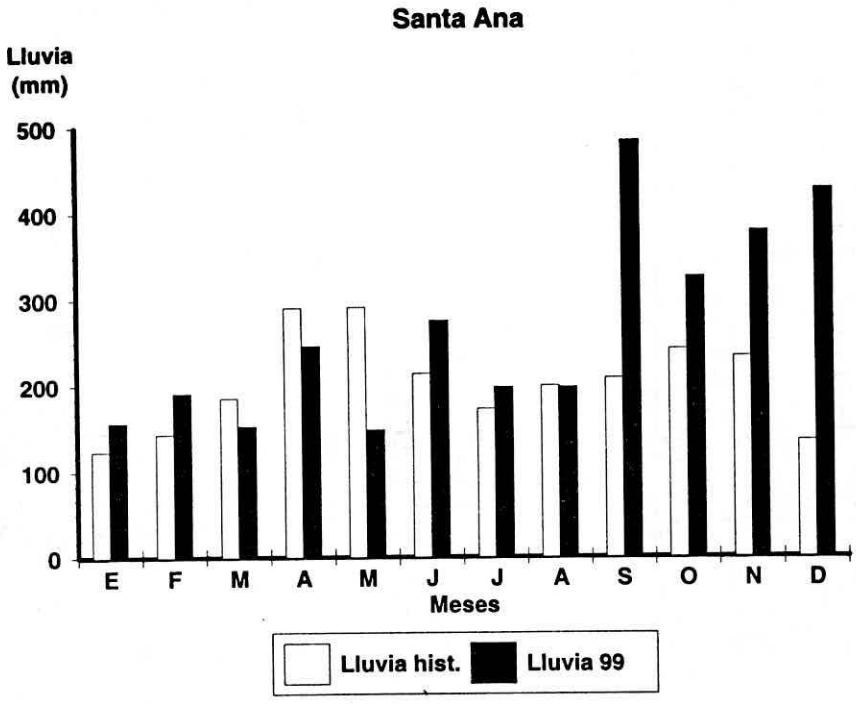
N°Día	Precipitación (mm) Día	Noche	Total
1	0.0	0.0	0.0
2	0.0	0.0	0.0
3	0.0	0.0	0.0
4	2.7	0.0	2.7
5	0.0	51.8	51.8
6	22.5	0.0	22.5
7	.3	0.0	.3
8	0.0	0.0	0.0
9	0.0	35.8	35.8
10	0.0	47.3	47.3
11	0.0	0.0	0.0
12	0.0	0.0	0.0
13	0.0	4.6	4.6
14	0.0	.8	.8
15	.4	27.2	27.6
16	0.0	31.8	31.8
17	4.1	0.0	4.1
18	.4	3.7	4.1
19	0.0	.1	.1
20	.5	0.0	.5
21	0.0	0.0	0.0
22	8.0	18.7	26.7
23	0.0	0.0	0.0
24	0.0	17.7	17.7
25	.4	8.9	9.3
26	0.0	14.4	14.4
27	.1	13.0	13.1
28	2.7	3.2	5.9
29	0.0	3.9	3.9
30	.6	0.0	.6
31	0.0	0.0	0.0
	42.7	282.9	325.6

Noviembre

Precipitación (mm) Día	Noche	Total
7.2	0.0	7.2
14.4	38.7	53.1
0.0	21.2	21.2
0.0	4.0	4.0
0.0	43.5	43.5
32.2	.1	32.3
1.0	4.3	5.3
0.0	0.0	0.0
0.0	.7	.7
0.0	44.7	44.7
0.0	0.0	0.0
0.0	34.1	34.1
1.9	0.0	1.9
0.0	0.0	0.0
0.0	0.0	0.0
0.0	.2	.2
0.0	21.1	21.1
0.0	8.4	8.4
0.0	2.9	2.9
.2	2.9	3.1
3.3	2.2	5.5
.2	0.0	.2
15.6	7.6	23.2
.6	22.2	22.8
.3	0.0	.3
0.0	0.0	0.0
0.0	9.2	9.2
.4	0.0	.4
0.0	33.6	33.6
0.0	0.0	0.0
77.3	301.6	378.9

Diciembre

Precipitación (mm) Día	Noche	Total
6.3	0.0	6.3
0.0	0.0	0.0
0.0	1.7	1.7
1.7	64.5	66.2
4.0	0.0	4.0
6.7	.2	6.9
0.0	0.0	0.0
0.0	25.0	25.0
0.0	21.7	21.7
0.0	0.0	0.0
0.0	0.0	0.0
.7	49.7	50.4
.2	45.7	45.9
1.1	10.0	11.1
0.0	56.9	56.9
0.0	59.1	59.1
0.0	25.5	25.5
.1	5.6	5.7
0.0	1.6	1.6
6.8	.4	7.2
0.0	3.3	3.3
0.0	0.0	0.0
0.0	8.6	8.6
.9	10.4	11.3
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	2.1	2.1
0.0	6.9	6.9
28.5	398.9	427.4


Santa Ana
Lluvia
(mm)
500
400
300
200
100
0
E
F
M
A
M
J
J
A
S
O
N
D
Meses
Lluvia hist.
Lluvia 99

Estación : LA ROMELIA
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 4 ° 58 ' N
Longitud : 75 ° 40 ' W
Altitud : 1400 m

Enero

N°Día	Precipitación (mm) Día	Noche	Total
1	0.0	1.0	1.0
2	4.7	1.0	5.7
3	0.0	1.6	1.6
4	4.0	.1	4.1
5	.1	.1	.2
6	0.0	0.0	0.0
7	0.0	27.3	27.3
8	1.4	20.2	21.6
9	.6	0.0	.6
10	30.9	.7	31.6
11	0.0	0.0	0.0
12	.8	0.0	.8
13	0.0	2.4	2.4
14	0.0	0.0	0.0
15	0.0	0.0	0.0
16	3.1	0.0	3.1
17	0.0	0.0	0.0
18	0.0	70.9	70.9
19	0.0	32.5	32.5
20	1.3	0.0	1.3
21	0.0	.5	.5
22	.4	0.0	.4
23	0.0	13.9	13.9
24	4.0	6.1	10.1
25	0.0	8.5	8.5
26	0.0	0.0	0.0
27	6.7	.8	7.5
28	3.3	0.0	3.3
29	0.0	39.7	39.7
30	0.0	36.1	36.1
31	.1	0.0	.1
	61.4	263.4	324.8

Febrero

Precipitación (mm) Día	Noche	Total
0.0	1.1	1.1
2.0	.3	2.3
.5	16.5	17.0
1.7	0.0	1.7
0.0	6.1	6.1
1.5	18.5	20.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	.1	.1
0.0	39.0	39.0
.5	0.0	.5
9.6	.1	9.7
1.1	0.0	1.1
10.5	.2	10.7
.2	.2	.4
18.6	.7	19.3
13.3	0.0	13.3
3.7	18.4	22.1
.1	0.0	.1
12.0	4.0	16.0
1.5	.8	2.3
10.7	33.2	43.9
.4	13.9	14.3
1.2	.2	1.4
.1	33.2	33.3
.9	6.0	6.9
1.5	4.8	6.3
91.6	197.3	288.9

Marzo

Precipitación (mm) Día	Noche	Total
.5	0.0	.5
0.0	0.0	0.0
0.0	.1	.1
1.3	0.0	1.3
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
7.0	2.8	9.8
2.6	.2	2.8
2.0	0.0	2.0
0.0	0.0	0.0
0.0	0.0	0.0
.1	0.0	.1
0.0	26.9	26.9
13.1	0.0	13.1
0.0	7.2	7.2
0.0	55.0	55.0
0.0	1.5	1.5
13.0	1.5	14.5
0.0	.3	.3
0.0	1.5	1.5
0.0	21.1	21.1
0.0	.1	.1
0.0	4.0	4.0
0.0	0.0	0.0
3.6	0.0	3.6
0.0	0.0	0.0
3.0	8.4	11.4
0.0	0.0	0.0
2.9	0.0	2.9
0.0	0.0	0.0
49.1	130.6	179.7

Abril

N°Día	Precipitación (mm) Día	Noche	Total
1	0.0	0.0	0.0
2	.5	23.0	23.5
3	.3	0.0	.3
4	1.0	6.4	7.4
5	0.0	5.2	5.2
6	0.0	0.0	0.0
7	0.0	7.9	7.9
8	8.3	21.1	29.4
9	1.6	0.0	1.6
10	4.8	10.1	14.9
11	0.0	19.0	19.0
12	0.0	12.8	12.8
13	.3	0.0	.3
14	2.7	1.0	3.7
15	0.0	0.0	0.0
16	0.0	0.0	0.0
17	0.0	0.0	0.0
18	0.0	0.0	0.0
19	0.0	0.0	0.0
20	0.0	0.0	0.0
21	0.0	0.0	0.0
22	0.0	17.0	17.0
23	0.0	.1	.1
24	29.3	6.8	36.1
25	0.0	2.3	2.3
26	.4	8.5	8.9
27	.5	0.0	.5
28	.4	1.0	1.4
29	0.0	15.6	15.6
30	7.1	0.0	7.1
31			
	57.2	157.8	215.0

Mayo

Precipitación (mm) Día	Noche	Total
0.0	1.4	1.4
.5	0.0	.5
0.0	22.1	22.1
2.6	0.0	2.6
0.0	0.0	0.0
24.0	0.0	24.0
.3	2.7	3.0
5.1	2.7	7.8
1.3	28.2	29.5
6.5	0.0	6.5
0.0	0.0	0.0
0.0	55.0	55.0
3.8	1.1	4.9
0.0	0.0	0.0
0.0	0.0	0.0
.3	7.1	7.4
0.0	0.0	0.0
0.0	0.0	0.0
20.0	0.0	20.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
.1	4.3	4.4
.9	1.7	2.6
0.0	0.0	0.0
0.0	4.9	4.9
65.4	131.2	196.6

Junio

Precipitación (mm) Día	Noche	Total
.8	6.6	7.4
3.0	0.0	3.0
.8	.1	.9
3.3	4.5	7.8
1.5	0.0	1.5
.2	0.0	.2
9.3	27.6	36.9
1.4	0.0	1.4
10.5	1.5	12.0
0.0	5.7	5.7
0.0	0.0	0.0
0.0	0.0	0.0
4.0	1.1	5.1
.3	0.0	.3
.5	1.1	1.6
3.5	0.0	3.5
0.0	0.0	0.0
3.0	.4	3.4
0.0	15.2	15.2
.2	33.7	33.9
.6	0.0	.6
1.1	0.0	1.1
.5	0.0	.5
.1	3.9	4.0
0.0	1.8	1.8
15.8	2.5	18.3
.1	2.9	3.0
.6	0.0	.6
.5	0.0	.5
1.8	15.5	17.3
63.4	124.1	187.5

Estación : LA ROMELIA
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 4 ° 58 ' N
Longitud : 75 ° 40 ' W
Altitud : 1400 m

Julio

N°Día	Precipitación (mm) Día	Noche	Total
1	0.0	.4	.4
2	0.0	20.0	20.0
3	2.2	10.3	12.5
4	0.0	2.4	2.4
5	0.0	0.0	0.0
6	.4	0.0	.4
7	.3	28.2	28.5
8	0.0	10.7	10.7
9	1.3	19.6	20.9
10	0.0	0.0	0.0
11	0.0	0.0	0.0
12	0.0	.5	.5
13	0.0	0.0	0.0
14	0.0	0.0	0.0
15	0.0	2.4	2.4
16	.7	0.0	.7
17	0.0	4.1	4.1
18	0.0	6.6	6.6
19	0.0	4.8	4.8
20	0.0	2.0	2.0
21	0.0	0.0	0.0
22	2.7	.2	2.9
23	2.9	7.8	10.7
24	0.0	0.0	0.0
25	0.0	0.0	0.0
26	0.0	3.3	3.3
27	0.0	2.0	2.0
28	.5	.9	1.4
29	5.2	0.0	5.2
30	0.0	1.4	1.4
31	3.7	0.0	3.7
	19.9	127.6	147.5

Agosto

Precipitación (mm) Día	Noche	Total
0.0	0.0	0.0
.1	.9	1.0
0.0	0.0	0.0
0.0	5.6	5.6
0.0	0.0	0.0
0.0	11.2	11.2
0.0	2.2	2.2
0.0	.4	.4
.2	0.0	.2
0.0	0.0	0.0
0.0	0.0	0.0
0.0	17.0	17.0
5.2	0.0	5.2
.1	28.0	28.1
0.0	0.0	0.0
0.0	8.9	8.9
0.0	0.0	0.0
4.9	0.0	4.9
0.0	.2	.2
3.2	12.3	15.5
3.0	0.0	3.0
0.0	0.0	0.0
.9	0.0	.9
0.0	0.0	0.0
.9	2.2	3.1
1.3	3.1	4.4
2.3	.4	2.7
.9	0.0	.9
.2	3.9	4.1
0.0	0.0	0.0
0.0	.7	.7
23.2	97.0	120.2

Septiembre

Precipitación (mm) Día	Noche	Total
39.6	0.0	39.6
4.2	0.0	4.2
0.0	0.0	0.0
0.0	.4	.4
1.5	0.0	1.5
0.0	0.0	0.0
.1	45.3	45.4
0.0	.1	.1
.8	36.8	37.6
0.0	0.0	0.0
.9	18.6	19.5
9.8	2.7	12.5
14.7	30.3	45.0
.4	0.0	.4
.1	0.0	.1
0.0	57.2	57.2
0.0	0.0	0.0
.2	2.0	2.2
0.0	9.4	9.4
1.1	0.0	1.1
1.4	23.6	25.0
.5	0.0	.5
18.4	0.0	18.4
0.0	.2	.2
.1	20.2	20.3
.5	16.8	17.3
23.3	1.6	24.9
.1	1.9	2.0
0.0	0.0	0.0
.3	20.7	21.0
118.0	287.8	405.8

Octubre

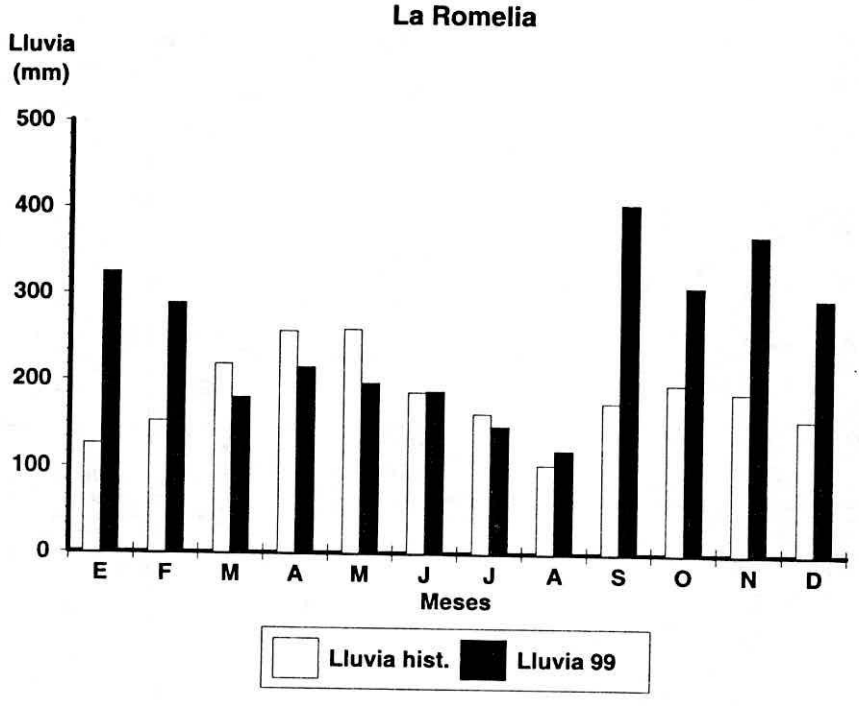
N°Día	Precipitación (mm) Día	Noche	Total
1	.2	.3	.5
2	0.0	0.0	0.0
3	1.3	.9	2.2
4	9.3	0.0	9.3
5	0.0	36.8	36.8
6	42.1	.1	42.2
7	1.4	.1	1.5
8	.5	.2	.7
9	0.0	5.4	5.4
10	.5	22.5	23.0
11	.2	0.0	.2
12	0.0	0.0	0.0
13	.9	.1	1.0
14	0.0	0.0	0.0
15	1.2	40.2	41.4
16	2.3	6.0	8.3
17	.3	0.0	.3
18	2.2	8.0	10.2
19	0.0	0.0	0.0
20	.9	0.0	.9
21	.1	0.0	.1
22	30.3	14.7	45.0
23	.8	0.0	.8
24	2.4	2.9	5.3
25	7.1	0.0	7.1
26	11.5	28.8	40.3
27	11.4	3.1	14.5
28	1.2	1.9	3.1
29	0.0	9.0	9.0
30	1.1	0.0	1.1
31	0.0	0.0	0.0
	129.2	181.0	310.2

Noviembre

Precipitación (mm) Día	Noche	Total
11.0	.5	11.5
15.9	14.7	30.6
.2	21.2	21.4
0.0	6.1	6.1
0.0	15.1	15.1
0.0	0.0	0.0
10.3	5.5	15.8
0.0	0.0	0.0
0.0	2.1	2.1
0.0	53.1	53.1
0.0	0.0	0.0
.4	13.6	14.0
1.9	0.0	1.9
0.0	.2	.2
0.0	0.0	0.0
0.0	0.0	0.0
0.0	52.5	52.5
.4	.4	.8
0.0	28.1	28.1
1.8	1.5	3.3
.7	2.5	3.2
.3	0.0	.3
13.5	6.9	20.4
1.6	8.4	10.0
.6	.1	.7
0.0	0.0	0.0
0.0	45.4	45.4
0.0	0.0	0.0
0.0	33.7	33.7
.5	0.0	.5
59.1	311.6	370.7

Diciembre

Precipitación (mm) Día	Noche	Total
3.5	0.0	3.5
0.0	0.0	0.0
0.0	1.7	1.7
4.2	57.4	61.6
0.0	0.0	0.0
12.4	0.0	12.4
.3	.5	.8
0.0	6.3	6.3
0.0	24.3	24.3
.3	0.0	.3
.3	.2	.5
.2	32.6	32.8
0.0	15.9	15.9
1.7	14.6	16.3
0.0	36.0	36.0
.4	30.1	30.5
0.0	8.1	8.1
0.0	7.9	7.9
2.5	4.6	7.1
.2	.9	1.1
0.0	1.4	1.4
0.0	.7	.7
0.0	4.1	4.1
2.9	11.5	14.4
.3	0.0	.3
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
.9	7.9	8.8
30.1	266.7	296.8


La Romelia
Lluvia
(mm)
500
400
300
200
100
0
E
F
M
A
M
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J
A
S
O
N
D
Meses
Lluvia hist.
Lluvia 99

Estación : PLANTA DE TRATAMIENTO
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 48 ' N
Longitud : 75 ° 40 ' W
Altitud : 1450 m

Enero

N°Día	Precipitación (mm) Día	Noche	Total
1	0.0	.2	.2
2	.3	2.6	2.9
3	10.7	12.9	23.6
4	3.9	4.2	8.1
5	.3	3.2	3.5
6	.3	0.0	.3
7	23.7	0.0	23.7
8	10.5	1.9	12.4
9	.3	8.0	8.3
10	2.5	1.5	4.0
11	0.0	0.0	0.0
12	0.0	0.0	0.0
13	0.0	6.3	6.3
14	.2	0.0	.2
15	0.0	0.0	0.0
16	1.0	0.0	1.0
17	0.0	0.0	0.0
18	4.5	0.0	4.5
19	3.7	17.3	21.0
20	20.6	0.0	20.6
21	4.2	0.0	4.2
22	5.5	0.0	5.5
23	.9	2.1	3.0
24	0.0	0.0	0.0
25	0.0	2.0	2.0
26	0.0	3.2	3.2
27	4.5	.9	5.4
28	2.5	0.0	2.5
29	3.5	0.0	3.5
30	0.0	.9	.9
31	5.3	.2	5.5
	108.9	67.4	176.3

Febrero

Precipitación (mm) Día	Noche	Total
5.4	.1	5.5
7.6	1.1	8.7
4.8	6.0	10.8
2.1	0.0	2.1
0.0	1.2	1.2
1.0	8.5	9.5
0.0	0.0	0.0
4.8	.1	4.9
14.3	.1	14.4
5.6	.1	5.7
.3	0.0	.3
1.9	.2	2.1
4.6	.3	4.9
.3	2.1	2.4
5.1	.3	5.4
4.4	.6	5.0
25.5	18.7	44.2
1.9	4.0	5.9
0.0	4.1	4.1
3.3	0.0	3.3
0.0	51.7	51.7
.5	3.0	3.5
1.0	16.5	17.5
1.2	16.3	17.5
1.0	1.6	2.6
0.0	29.0	29.0
.9	1.8	2.7
56.0	0.0	56.0
153.5	167.4	320.9

Marzo

Precipitación (mm) Día	Noche	Total
2.4	0.0	2.4
0.0	0.0	0.0
13.8	0.0	13.8
7.0	0.0	7.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
12.0	20.0	32.0
11.0	20.0	31.0
34.0	0.0	34.0
0.0	0.0	0.0
0.0	0.0	0.0
6.0	0.0	6.0
1.0	5.9	6.9
47.9	4.6	52.5
0.0	0.0	0.0
18.2	40.4	58.6
0.0	0.0	0.0
12.6	11.9	24.5
.1	0.0	.1
.2	0.0	.2
2.3	0.0	2.3
.1	0.0	.1
63.0	0.0	63.0
0.0	0.0	0.0
34.1	0.0	34.1
3.8	0.0	3.8
9.3	10.3	19.6
10.0	0.0	10.0
1.5	0.0	1.5
.5	0.0	.5
290.8	113.1	403.9

Abril

N°Día	Precipitación (mm) Día	Noche	Total
1	32.1	0.0	32.1
2	0.0	13.4	13.4
3	0.0	0.0	0.0
4	1.9	56.7	58.6
5	0.0	3.2	3.2
6	0.0	1.5	1.5
7	0.0	44.5	44.5
8	20.4	5.0	25.4
9	1.9	0.0	1.9
10	17.9	3.1	21.0
11	.1	33.3	33.4
12	1.1	34.1	35.2
13	2.5	0.0	2.5
14	1.4	2.5	3.9
15	1.6	.1	1.7
16	0.0	0.0	0.0
17	0.0	0.0	0.0
18	0.0	0.0	0.0
19	.1	0.0	.1
20	10.9	0.0	10.9
21	0.0	0.0	0.0
22	0.0	0.0	0.0
23	1.7	0.0	1.7
24	6.5	7.3	13.8
25	.5	15.3	15.8
26	1.1	4.1	5.2
27	2.3	0.0	2.3
28	1.8	0.0	1.8
29	.5	22.8	23.3
30	9.8	0.0	9.8
31			
	116.1	246.9	363.0

Mayo

Precipitación (mm) Día	Noche	Total
.5	0.0	.5
4.7	0.0	4.7
1.8	5.5	7.3
8.4	.9	9.3
.8	0.0	.8
0.0	37.2	37.2
1.5	.1	1.6
8.4	0.0	8.4
2.0	26.5	28.5
0.0	0.0	0.0
0.0	1.1	1.1
.2	20.3	20.5
.9	.1	1.0
0.0	6.9	6.9
.8	.8	1.6
2.3	1.9	4.2
.3	3.0	3.3
.8	0.0	.8
9.5	0.0	9.5
1.4	0.0	1.4
.1	1.0	1.1
.7	0.0	.7
2.0	0.0	2.0
.8	0.0	.8
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
.7	0.0	.7
.6	0.0	.6
0.0	0.0	0.0
3.1	.2	3.3
52.3	105.5	157.8

Junio

Precipitación (mm) Día	Noche	Total
.3	13.4	13.7
.1	0.0	.1
1.7	0.0	1.7
1.2	12.9	14.1
.6	0.0	.6
12.6	0.0	12.6
.7	23.8	24.5
3.9	0.0	3.9
3.1	0.0	3.1
0.0	2.7	2.7
1.1	0.0	1.1
0.0	33.9	33.9
51.1	2.3	53.4
30.0	0.0	30.0
4.5	0.0	4.5
0.0	0.0	0.0
17.7	8.2	25.9
3.8	0.0	3.8
.3	0.0	.3
9.9	.1	10.0
15.9	.1	16.0
.2	0.0	.2
2.9	0.0	2.9
.9	19.5	20.4
4.3	6.8	11.1
1.9	5.0	6.9
1.4	23.3	24.7
0.0	0.0	0.0
.9	0.0	.9
0.0	28.3	28.3
171.0	180.3	351.3

Estación : PLANTA DE TRATAMIENTO
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 48 ' N
Longitud : 75 ° 40 ' W
Altitud : 1450 m

Julio

N°Día	Precipitación (mm) Día	Noche	Total
1	.7	0.0	.7
2	.6	7.6	8.2
3	15.4	16.0	31.4
4	0.0	0.0	0.0
5	2.4	1.0	3.4
6	2.1	0.0	2.1
7	17.8	.1	17.9
8	1.8	0.0	1.8
9	13.9	0.0	13.9
10	0.0	4.1	4.1
11	.3	0.0	.3
12	.8	0.0	.8
13	0.0	0.0	0.0
14	2.8	0.0	2.8
15	0.0	0.0	0.0
16	.4	0.0	.4
17	6.5	0.0	6.5
18	0.0	0.0	0.0
19	6.7	32.4	39.1
20	0.0	0.0	0.0
21	0.0	0.0	0.0
22	.2	.2	.4
23	.3	0.0	.3
24	.5	0.0	.5
25	0.0	0.0	0.0
26	.8	9.2	10.0
27	.4	0.0	.4
28	5.0	0.0	5.0
29	0.0	0.0	0.0
30	.2	.4	.6
31	0.0	0.0	0.0
	79.6	71.0	150.6

Agosto

Precipitación (mm) Día	Noche	Total
0.0	0.0	0.0
0.0	2.9	2.9
.8	0.0	.8
0.0	0.0	0.0
0.0	0.0	0.0
0.0	5.9	5.9
0.0	0.0	0.0
0.0	0.0	0.0
3.3	0.0	3.3
14.0	0.0	14.0
0.0	0.0	0.0
8.0	.7	8.7
.7	0.0	.7
.8	13.1	13.9
0.0	0.0	0.0
.5	0.0	.5
0.0	0.0	0.0
.9	0.0	.9
0.0	0.0	0.0
0.0	2.2	2.2
23.6	0.0	23.6
0.0	0.0	0.0
1.5	0.0	1.5
0.0	0.0	0.0
5.6	3.3	8.9
3.3	0.0	3.3
.1	0.0	.1
.7	.1	.8
0.0	0.0	0.0
.4	0.0	.4
14.0	0.0	14.0
78.2	28.2	106.4

Septiembre

Precipitación (mm) Día	Noche	Total
5.4	16.0	21.4
1.3	0.0	1.3
6.9	0.0	6.9
.5	0.0	.5
.4	0.0	.4
0.0	0.0	0.0
2.5	7.3	9.8
4.2	0.0	4.2
2.4	24.1	26.5
11.7	0.0	11.7
3.4	20.6	24.0
4.7	0.0	4.7
39.4	26.3	65.7
0.0	0.0	0.0
0.0	0.0	0.0
.7	1.1	1.8
38.2	0.0	38.2
.8	0.0	.8
.3	11.7	12.0
0.0	0.0	0.0
.4	20.7	21.1
.6	0.0	.6
2.4	.2	2.6
1.6	.5	2.1
2.5	21.5	24.0
8.0	16.5	24.5
6.2	35.4	41.6
0.0	0.0	0.0
0.0	17.0	17.0
0.0	0.0	0.0
144.5	218.9	363.4

Octubre

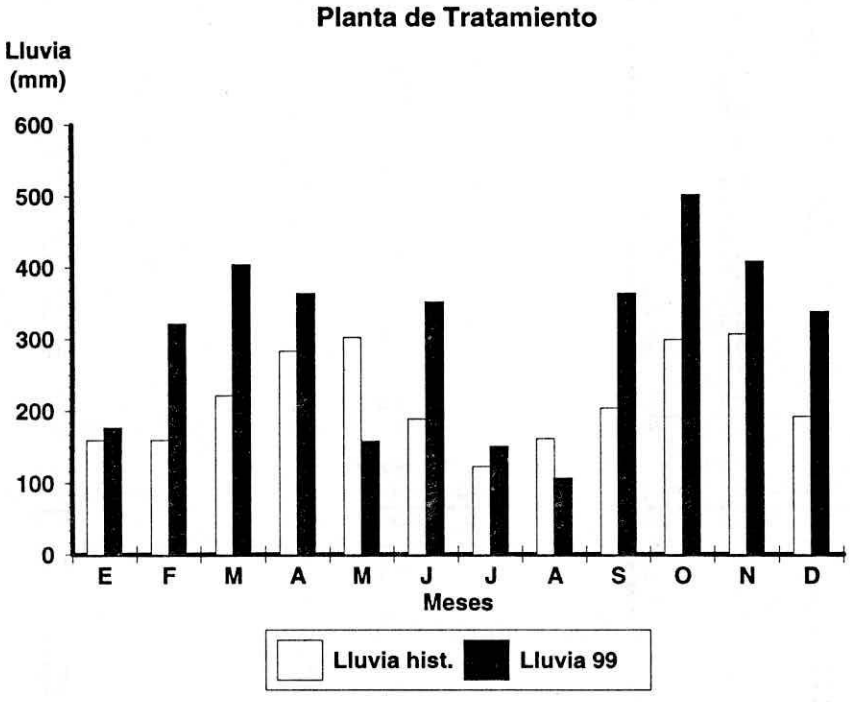
N°Día	Precipitación (mm) Día	Noche	Total
1	12.0	0.0	12.0
2	0.0	0.0	0.0
3	53.0	0.0	53.0
4	0.0	0.0	0.0
5	0.0	.2	.2
6	0.0	0.0	0.0
7	4.3	.5	4.8
8	.8	.3	1.1
9	4.4	.3	4.7
10	11.5	41.5	53.0
11	1.4	0.0	1.4
12	1.3	0.0	1.3
13	2.2	0.0	2.2
14	1.4	.2	1.6
15	.8	50.4	51.2
16	0.0	1.5	1.5
17	7.4	0.0	7.4
18	19.6	2.6	22.2
19	0.0	0.0	0.0
20	12.0	2.5	14.5
21	3.9	9.2	13.1
22	5.3	8.9	14.2
23	.3	0.0	.3
24	0.0	10.0	10.0
25	9.1	0.0	9.1
26	1.1	56.7	57.8
27	.4	36.2	36.6
28	27.7	0.0	27.7
29	28.8	71.6	100.4
30	.7	0.0	.7
31	0.0	0.0	0.0
	209.4	292.6	502.0

Noviembre

Precipitación (mm) Día	Noche	Total
2.1	.1	2.2
1.5	3.2	4.7
.9	5.7	6.6
2.6	10.4	13.0
0.0	4.4	4.4
17.6	.6	18.2
10.7	46.3	57.0
6.0	0.0	6.0
0.0	2.9	2.9
.8	42.9	43.7
.6	0.0	.6
.7	17.8	18.5
1.1	0.0	1.1
0.0	10.3	10.3
1.2	0.0	1.2
0.0	20.4	20.4
0.0	33.8	33.8
.2	.5	.7
13.1	0.0	13.1
20.6	6.9	27.5
11.1	10.3	21.4
0.0	0.0	0.0
9.4	0.0	9.4
4.6	10.8	15.4
9.0	10.0	19.0
0.0	1.0	1.0
0.0	6.6	6.6
1.2	0.0	1.2
0.0	8.3	8.3
38.5	2.1	40.6
153.5	255.3	408.8

Diciembre

Precipitación (mm) Día	Noche	Total
7.6	10.4	18.0
.4	0.0	.4
0.0	.3	.3
2.4	14.1	16.5
2.6	0.0	2.6
2.8	0.0	2.8
5.9	0.0	5.9
0.0	27.2	27.2
2.8	2.0	4.8
4.6	0.0	4.6
1.8	0.0	1.8
23.6	29.1	52.7
.6	0.0	.6
0.0	51.7	51.7
1.6	44.1	45.7
.8	1.9	2.7
.6	10.7	11.3
3.0	.9	3.9
7.7	9.8	17.5
1.1	18.8	19.9
6.5	4.3	10.8
1.0	0.0	1.0
0.0	1.4	1.4
.1	28.6	28.7
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	3.7	3.7
1.2	0.0	1.2
78.7	259.0	337.7


Planta de Tratamiento
Lluvia
(mm)
600
500
400
300
200
100
0
E
F
M
A
M
J
J
A
S
O
N
D
Meses
Lluvia hist.
Lluvia 99

Estación : SANTIAGO GUTIERREZ
Año : 1999

Dpto. : VALLE
Mpio. : ARGELIA

Latitud : 4 ° 43 ' N
Longitud : 76 ° 7 ' W
Altitud : 1550 m

Enero

N°Día	Precipitación (mm) Día	Noche	Total
1	.2	0.0	.2
2	3.9	0.0	3.9
3	3.7	.4	4.1
4	1.7	13.4	15.1
5	0.0	0.0	0.0
6	0.0	0.0	0.0
7	.1	0.0	.1
8	0.0	0.0	0.0
9	0.0	0.0	0.0
10	.1	14.6	14.7
11	8.8	14.0	22.8
12	2.8	0.0	2.8
13	0.0	0.0	0.0
14	5.5	.3	5.8
15	0.0	0.0	0.0
16	0.0	0.0	0.0
17	0.0	0.0	0.0
18	0.0	0.0	0.0
19	6.3	8.4	14.7
20	16.0	0.0	16.0
21	0.0	13.8	13.8
22	0.0	19.0	19.0
23	.3	.6	.9
24	0.0	1.1	1.1
25	.5	0.0	.5
26	0.0	.5	.5
27	0.0	0.0	0.0
28	0.0	0.0	0.0
29	0.0	0.0	0.0
30	0.0	0.0	0.0
31	1.3	0.0	1.3
	51.2	86.1	137.3

Febrero

Precipitación (mm) Día	Noche	Total
0.0	0.0	0.0
0.0	13.9	13.9
6.3	.6	6.9
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	.8	.8
12.0	0.0	12.0
0.0	0.0	0.0
12.0	16.0	28.0
25.0	3.0	28.0
0.0	0.0	0.0
9.0	8.0	17.0
0.0	.1	.1
.5	43.5	44.0
0.0	0.0	0.0
24.0	8.0	32.0
0.0	1.8	1.8
3.5	38.5	42.0
16.0	15.0	31.0
.2	13.0	13.2
0.0	0.0	0.0
26.0	0.0	26.0
0.0	6.0	6.0
134.5	168.2	302.7

Marzo

Precipitación (mm) Día	Noche	Total
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
1.4	.4	1.8
0.0	0.0	0.0
0.0	3.9	3.9
0.0	0.0	0.0
0.0	0.0	0.0
.4	0.0	.4
5.6	0.0	5.6
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	2.2	2.2
.1	.8	.9
0.0	0.0	0.0
0.0	13.4	13.4
0.0	0.0	0.0
.6	3.9	4.5
24.5	.8	25.3
.7	0.0	.7
0.0	0.0	0.0
3.9	0.0	3.9
10.5	2.5	13.0
0.0	0.0	0.0
0.0	0.0	0.0
.1	1.2	1.3
0.0	0.0	0.0
0.0	0.0	0.0
1.9	0.0	1.9
0.0	0.0	0.0
49.7	29.1	78.8

Abril

N°Día	Precipitación (mm) Día	Noche	Total
1	24.9	1.9	26.8
2	0.0	49.4	49.4
3	1.9	0.0	1.9
4	0.0	0.0	0.0
5	0.0	0.0	0.0
6	0.0	26.0	26.0
7	.2	1.6	1.8
8	10.0	.8	10.8
9	.8	.2	1.0
10	9.6	7.3	16.9
11	0.0	.5	.5
12	0.0	0.0	0.0
13	.5	2.9	3.4
14	0.0	2.6	2.6
15	1.9	.1	2.0
16	0.0	0.0	0.0
17	0.0	0.0	0.0
18	0.0	0.0	0.0
19	0.0	.2	.2
20	0.0	0.0	0.0
21	0.0	0.0	0.0
22	0.0	0.0	0.0
23	0.0	0.0	0.0
24	20.4	9.3	29.7
25	0.0	9.7	9.7
26	7.2	1.6	8.8
27	13.0	0.0	13.0
28	22.8	0.0	22.8
29	.3	10.2	10.5
30	.7	0.0	.7
31			
	114.2	124.3	238.5

Mayo

Precipitación (mm) Día	Noche	Total
0.0	0.0	0.0
5.2	0.0	5.2
1.7	4.2	5.9
3.3	.4	3.7
1.3	.4	1.7
.6	6.3	6.9
0.0	.4	.4
0.0	0.0	0.0
0.0	17.0	17.0
0.0	0.0	0.0
0.0	.8	.8
9.6	13.5	23.1
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
1.8	0.0	1.8
0.0	0.0	0.0
7.7	.1	7.8
.3	1.2	1.5
12.6	0.0	12.6
0.0	0.0	0.0
0.0	1.3	1.3
.4	2.0	2.4
0.0	0.0	0.0
0.0	0.0	0.0
5.5	3.0	8.5
2.3	4.7	7.0
0.0	0.0	0.0
2.0	29.0	31.0
54.3	84.3	138.6

Junio

Precipitación (mm) Día	Noche	Total
		0.0
		34.0
		12.0
		12.0
		0.0
		1.0
		0.0
		10.0
		4.0
		4.0
		0.0
		31.0
		7.0
		3.0
		7.0
		39.0
		13.0
		1.0
		0.0
		0.0
		5.0
		0.0
		0.0
		0.0
		3.0
		13.0
		1.0
		0.0
		0.0
		0.0
		200.0

Estación : SANTIAGO GUTIERREZ
Año : 1999

Dpto. : VALLE
Mpio. : ARGELIA

Latitud : 4 ° 43 ' N
Longitud : 76 ° 7 ' W
Altitud : 1550 m

Julio

N°Día	Precipitación (mm) Día	Noche	Total
1			4.0
2			4.0
3			0.0
4			0.0
5			2.0
6			34.0
7			0.0
8			18.0
9			1.0
10			0.0
11			0.0
12			0.0
13			4.0
14			0.0
15			6.0
16			0.0
17			0.0
18			9.0
19			0.0
20			2.0
21			3.0
22			0.0
23			0.0
24			0.0
25			1.0
26			0.0
27			0.0
28			0.0
29			0.0
30			0.0
31			0.0
			88.0

Agosto

Precipitación (mm) Día	Noche	Total
		0.0
		17.0
		0.0
		0.0
		4.0
		0.0
		0.0
		0.0
		0.0
		0.0
		9.0
		4.0
		14.0
		0.0
		1.0
		1.0
		1.0
		0.0
		11.0
		1.0
		6.0
		0.0
		0.0
		0.0
		0.0
		56.0
		5.0
		0.0
		0.0
		0.0
		14.0
		144.0

Septiembre

Precipitación (mm) Día	Noche	Total
		1.0
		4.0
		0.0
		0.0
		16.0
		3.0
		6.0
		28.0
		0.0
		13.0
		1.0
		6.0
		5.0
		1.0
		13.0
		14.0
		0.0
		3.0
		0.0
		11.0
		2.0
		2.0
		1.0
		15.0
		0.0
		24.0
		22.0
		0.0
		1.0
		0.0
		192.0

Octubre

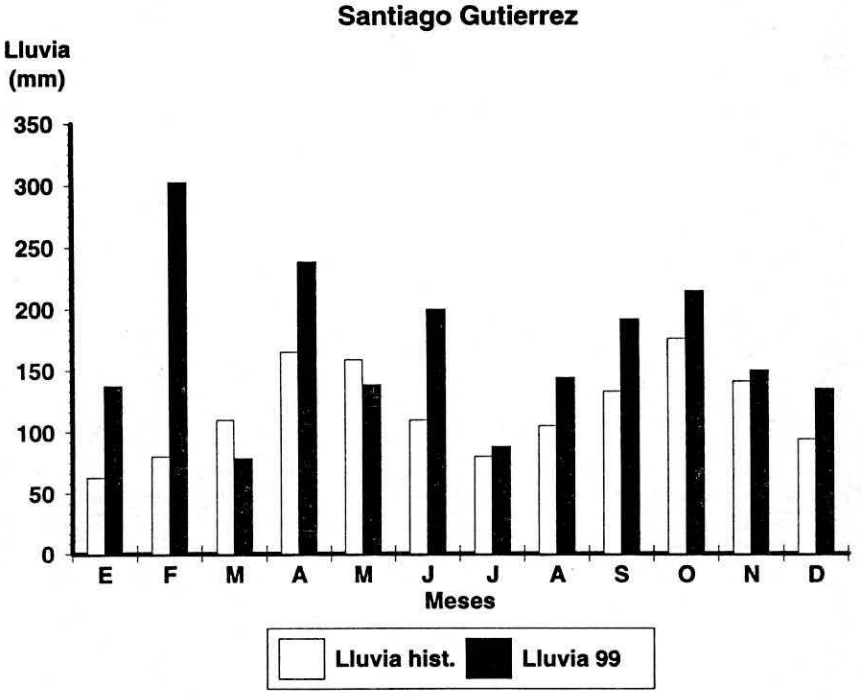
N°Día	Precipitación (mm) Día	Noche	Total
1			0.0
2			1.0
3			22.0
4			19.0
5			3.0
6			1.0
7			0.0
8			0.0
9			0.0
10			1.0
11			1.0
12			0.0
13			15.0
14			9.0
15			15.0
16			17.0
17			3.0
18			0.0
19			42.0
20			0.0
21			0.0
22			11.0
23			25.0
24			0.0
25			1.0
26			3.0
27			14.0
28			10.0
29			2.0
30			0.0
31			0.0
			215.0

Noviembre

Precipitación (mm) Día	Noche	Total
		1.0
		0.0
		1.0
		5.0
		5.0
		6.0
		7.0
		6.0
		0.0
		0.0
		0.0
		5.0
		0.0
		0.0
		4.0
		7.0
		5.0
		0.0
		0.0
		40.0
		1.0
		17.0
		0.0
		3.0
		12.0
		1.0
		2.0
		0.0
		13.0
		150.0

Diciembre

Precipitación (mm) Día	Noche	Total
		0.0
		6.0
		22.0
		4.0
		22.0
		1.0
		0.0
		2.0
		10.0
		1.0
		16.0
		15.0
		6.0
		0.0
		0.0
		0.0
		0.0
		4.0
		10.0
		0.0
		7.0
		2.0
		5.0
		0.0
		0.0
		0.0
		0.0
		0.0
		0.0
		2.0
		135.0


Santiago Gutierrez
Lluvia
(mm)
350
300
250
200
150
100
50
0
E
F
M
A
M
J
J
A
S
O
N
D
Meses
Lluvia hist.
Lluvia 99

Estación : EL RECREO
Año : 1999

Dpto. : VALLE
Mpio. : ULLOA

Latitud : 4 ° 42 ' N
Longitud : 75 ° 44 ' W
Altitud : 1410 m

Enero

N°Día	Precipitación (mm) Día	Noche	Total
1	0.0	0.0	0.0
2	0.0	0.0	0.0
3	18.0	0.0	18.0
4	.8	1.9	2.7
5	.1	.8	.9
6	0.0	4.3	4.3
7	8.5	26.5	35.0
8	27.0	0.0	27.0
9	0.0	17.0	17.0
10	18.0	0.0	18.0
11	0.0	0.0	0.0
12	4.2	.2	4.4
13	0.0	0.0	0.0
14	.2	.3	.5
15	0.0	0.0	0.0
16	0.0	0.0	0.0
17	0.0	0.0	0.0
18	7.3	.3	7.6
19	0.0	0.0	0.0
20	15.0	0.0	15.0
21	0.0	13.0	13.0
22	12.0	0.0	12.0
23	12.0	0.0	12.0
24	.8	1.2	2.0
25	2.2	3.9	6.1
26	1.0	1.6	2.6
27	8.5	8.5	17.0
28	0.0	0.0	0.0
29	1.8	0.0	1.8
30	0.0	.1	.1
31	2.3	0.0	2.3
	139.7	79.6	219.3

Febrero

Precipitación (mm) Día	Noche	Total
0.0	.3	.3
3.5	0.0	3.5
2.8	13.2	16.0
1.0	0.0	1.0
.1	15.7	15.8
0.0	3.0	3.0
3.4	0.0	3.4
0.0	0.0	0.0
0.0	0.0	0.0
.6	0.0	.6
4.7	.4	5.1
0.0	29.7	29.7
26.8	0.0	26.8
.3	0.0	.3
51.9	0.0	51.9
2.6	14.8	17.4
10.4	23.4	33.8
7.3	.3	7.6
4.5	7.1	11.6
0.0	0.0	0.0
41.5	6.0	47.5
5.3	84.5	89.8
.8	26.3	27.1
4.2	31.6	35.8
0.0	0.0	0.0
8	23.4	24.2
1.4	20.0	21.4
2.3	13.7	16.0
176.2	313.4	489.6

Marzo

Precipitación (mm) Día	Noche	Total
0.0	0.0	0.0
0.0	0.0	0.0
1.1	.1	1.2
19.7	0.0	19.7
.5	0.0	.5
0.0	0.0	0.0
3.3	0.0	3.3
2.7	66.3	69.0
0.0	0.0	0.0
59.8	0.0	59.8
0.0	0.0	0.0
0.0	0.0	0.0
41.1	0.0	41.1
2.5	.2	2.7
7.8	9.9	17.7
0.0	0.0	0.0
3.0	19.5	22.5
0.0	1.1	1.1
3.9	13.1	17.0
11.9	0.0	11.9
0.0	1.5	1.5
.6	0.0	.6
3.1	0.0	3.1
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
4.2	.1	4.3
53.5	1.5	55.0
2.3	0.0	2.3
0.0	0.0	0.0
0.0	0.0	0.0
221.0	113.3	334.3

Abril

N°Día	Precipitación (mm) Día	Noche	Total
1	20.0	0.0	20.0
2	44.0	0.0	44.0
3	0.0	0.0	0.0
4	26.4	.3	26.7
5	0.0	.4	.4
6	.6	0.0	.6
7	16.9	4.5	21.4
8	3.6	.8	4.4
9	2.5	0.0	2.5
10	19.5	.6	20.1
11	0.0	0.0	0.0
12	.5	10.1	10.6
13	0.0	0.0	0.0
14	14.2	0.0	14.2
15	.9	0.0	.9
16	0.0	0.0	0.0
17	0.0	0.0	0.0
18	0.0	0.0	0.0
19	0 0	0.0	0.0
20	0.0	0.0	0.0
21	.9	0.0	.9
22	15.4	10.8	26.2
23	4.3	0.0	4.3
24	57.4	4.4	61.8
25	1.7	20.3	22.0
26	9.8	73.5	83.3
27	1.7	.5	2.2
28	.3	.1	.4
29	1.6	63.0	64.6
30	1.0	0.0	1.0
31			
	243.2	189.3	432.5

Mayo

Precipitación (mm) Día	Noche	Total
5.2	.8	6.0
4.8	0.0	4.8
.3	3.3	3.6
.5	.5	1.0
.4	12.3	12.7
.5	38.1	38.6
.4	11.4	11.8
6.3	0.0	6.3
27.3	4.9	32.2
0.0	0.0	0.0
0.0	0.0	0.0
3.4	29.4	32.8
1.2	0.0	1.2
5.3	0.0	5.3
1.0	21.1	22.1
0.0	0.0	0.0
0.0	0.0	0.0
4.0	0.0	4.0
10.6	0.0	10.6
0.0	0.0	0.0
0.0	0.0	0.0
16.0	0.0	16.0
0.0	0.0	0.0
2.6	.2	2.8
2.1	0.0	2.1
0.0	0.0	0.0
0.0	0.0	0.0
1.0	0.0	1.0
33.9	0.0	33.9
0.0	0.0	0.0
30.3	0.0	30.3
157.1	122.0	279.1

Junio

Precipitación (mm) Día	Noche	Total
18.5	24.6	43.1
.5	0.0	.5
2.7	0.0	2.7
27.5	10.5	38.0
7.3	.1	7.4
3.3	0.0	3.3
2.3	38.9	41.2
.7	.1	.8
.3	0.0	.3
0.0	7.1	7.1
0.0	0.0	0.0
0.0	30.7	30.7
58.5	0.0	58.5
.5	0.0	.5
12.7	0.0	12.7
1.0	.1	1.1
23.6	11.3	34.9
4.3	0.0	4.3
0.0	0.0	0.0
.6	0.0	.6
7.2	0.0	7.2
0.0	0.0	0.0
.3	0.0	.3
.4	7.8	8.2
0.0	10.8	10.8
4.1	9.6	13.7
7.8	4.0	11.8
0.0	0.0	0.0
11.0	0.0	11.0
1.0	17.1	18.1
196.1	172.7	368.8

Estación : EL RECREO
Año : 1999

Dpto. : VALLE
Mpio. : ULLOA

Latitud : 4 ° 42 ' N
Longitud : 75 ° 44 ' W
Altitud : 1410 m

Julio

N°Día	Precipitación (mm) Día	Noche	Total
1	0.0	1.4	1.4
2	0.0	8.5	8.5
3	0.0	0.0	0.0
4	0.0	0.0	0.0
5	1.3	0.0	1.3
6	.2	0.0	.2
7	17.0	0.0	17.0
8	.3	0.0	.3
9	0.0	0.0	0.0
10	0.0	0.0	0.0
11	0.0	0.0	0.0
12	5.2	0.0	5.2
13	0.0	0.0	0.0
14	0.0	0.0	0.0
15	0.0	0.0	0.0
16	.6	0.0	.6
17	0.0	0.0	0.0
18	0.0	0.0	0.0
19	1.7	0.0	1.7
20	.4	0.0	.4
21	0.0	0.0	0.0
22	.7	3.1	3.8
23	.2	0.0	.2
24	4.6	0.0	4.6
25	4.4	0.0	4.4
26	1.8	0.0	1.8
27	0.0	0.0	0.0
28	0.0	0.0	0.0
29	7.2	0.0	7.2
30	.2	.9	1.1
31	.2	0.0	.2
	46.0	13.9	59.9

Agosto

Precipitación (mm) Día	Noche	Total
0.0	0.0	0.0
11.4	0.0	11.4
9.0	0.0	9.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	10.1	10.1
0.0	0.0	0.0
1.9	0.0	1.9
0.0	0.0	0.0
.1	0.0	.1
3.8	0.0	3.8
0.0	0.0	0.0
3.1	.8	3.9
16.8	1.6	18.4
0.0	0.0	0.0
.2	0.0	.2
0.0	0.0	0.0
.3	0.0	.3
0.0	0.0	0.0
0.0	.3	.3
24.3	0.0	24.3
0.0	0.0	0.0
9.4	0.0	9.4
0.0	0.0	0.0
3.7	2.7	6.4
.7	.2	.9
.7	0.0	.7
5.2	1.5	6.7
.1	0.0	.1
0.0	0.0	0.0
0.0	0.0	0.0
90.7	17.2	107.9

Septiembre

Precipitación (mm) Día	Noche	Total
10.9	6.3	17.2
.8	0.0	.8
.2	0.0	.2
.2	0.0	.2
.1	0.0	.1
15.0	0.0	15.0
.9	1.5	2.4
0.0	0.0	0.0
7.5	23.6	31.1
1.1	0.0	1.1
6.9	17.1	24.0
5.1	0.0	5.1
11.6	24.5	36.1
.2	0.0	.2
0.0	0.0	0.0
0.0	7.6	7.6
3.7	0.0	3.7
.6	0.0	.6
0.0	0.0	0.0
.5	0.0	.5
1.0	26.3	27.3
.1	.1	.2
.6	.2	.8
5.4	.1	5.5
10.4	18.9	29.3
4.5	14.0	18.5
1.6	2.3	3.9
8.3	4.7	13.0
0.0	.4	.4
0.0	27.5	27.5
97.2	175.1	272.3

Octubre

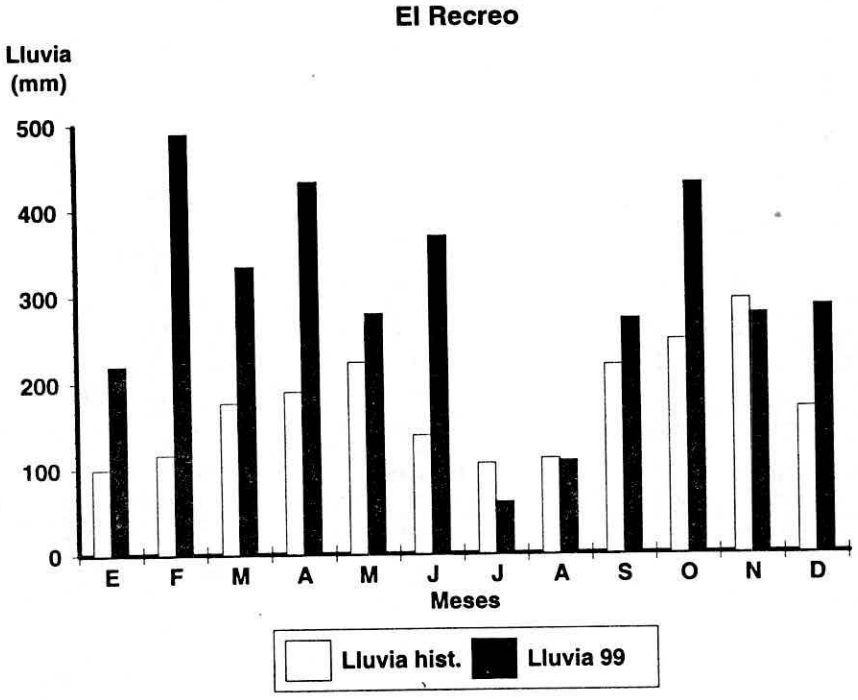
N°Día	Precipitación (mm) Día	Noche	Total
1	5.9	0.0	5.9
2	.1	37.2	37.3
3	1.0	3.9	4.9
4	0.0	0.0	0.0
5	.4	0.0	.4
6	13.0	0.0	13.0
7	0.0	.4	.4
8	.6	0.0	.6
9	3.5	0.0	3.5
10	14.5	.1	14.6
11	0.0	0.0	0.0
12	2.5	0.0	2.5
13	0.0	0.0	0.0
14	32.8	3.5	36.3
15	4.3	7.2	11.5
16	3.8	0.0	3.8
17	1.7	0.0	1.7
18	3.7	.5	4.2
19	1.8	0.0	1.8
20	2.7	.1	2.8
21	5.8	2.3	8.1
22	54.8	7.5	62.3
23	0.0	0.0	0.0
24	3.4	15.8	19.2
25	2.5	4.7	7.2
26	.1	18.6	18.7
27	.7	43.5	44.2
28	26.2	0.0	26.2
29	36.5	45.9	82.4
30	.3	0.0	.3
31	0.0	15.9	15.9
	222.6	207.1	429.7

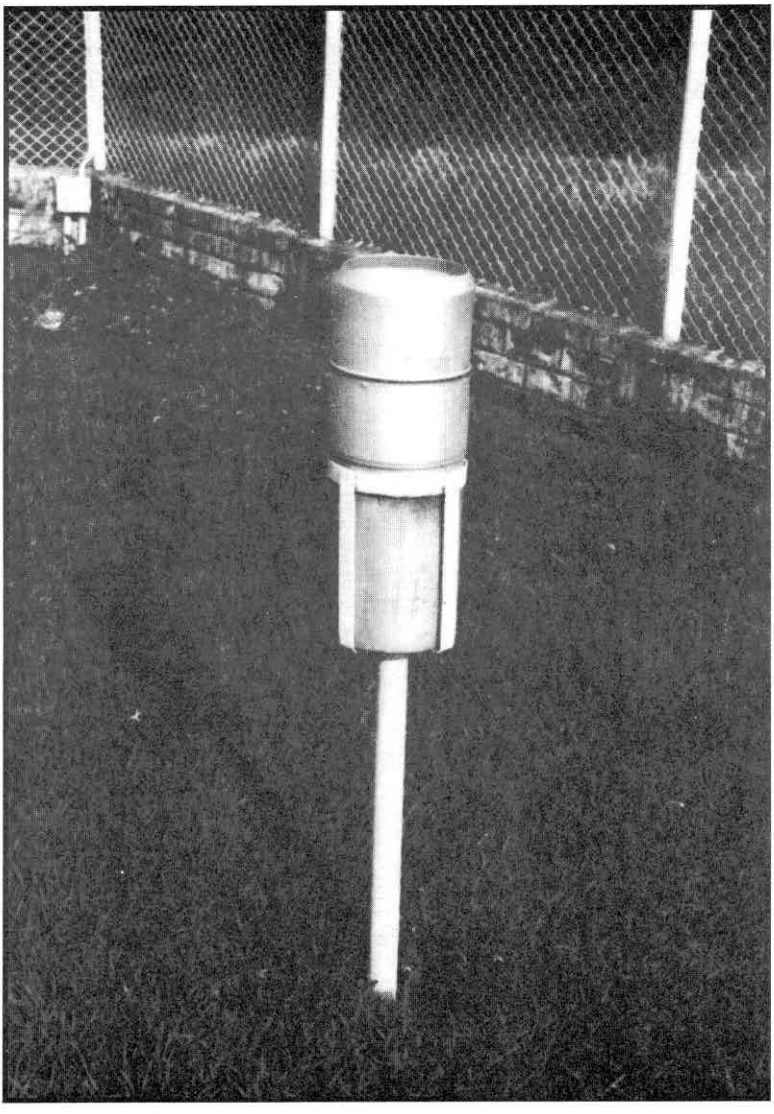
Noviembre

Precipitación (mm) Día	Noche	Total
0.0	0.0	0.0
.4	5.0	5.4
3.9	18.4	22.3
9.4	7.2	16.6
.1	.2	.3
3.5	0.0	3.5
.2	10.2	10.4
3.1	0.0	3.1
1.4	0.0	1.4
.4	1.6	2.0
.8	.1	.9
.4	.5	.9
1.8	0.0	1.8
0.0	4.3	4.3
0.0	0.0	0.0
.1	23.7	23.8
13.2	23.1	36.3
.2	0.0	.2
0.0	16.9	16.9
10.1	24.6	34.7
1.2	6.5	7.7
9.1	0.0	9.1
15.8	4.7	20.5
14.9	3.7	18.6
.4	0.0	.4
4.6	.8	5.4
0.0	0.0	0.0
0.0	0.0	0.0
0.0	4.3	4.3
26.6	.7	27.3
121.6	156.5	278.1

Diciembre

Precipitación (mm) Día	Noche	Total
1.4	2.3	3.7
0.0	0.0	0.0
0.0	0.0	0.0
1.0	7.0	8.0
1.5	0.0	1.5
8.2	0.0	8.2
4.6	.5	5.1
11.3	.7	12.0
4.8	9.0	13.8
3.8	0.0	3.8
4.2	2.4	6.6
23.1	24.7	47.8
0.0	0.0	0.0
.4	20.1	20.5
.8	15.6	16.4
0.0	8.4	8.4
0.0	21.5	21.5
5.1	7.2	12.3
.3	6.1	6.4
0.0	35.2	35.2
9.6	2.4	12.0
1.5	.1	1.6
0.0	0.0	0.0
3.3	25.9	29.2
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
11.5	1.2	12.7
0.0	0.0	0.0
96.4	190.3	286.7


El Recreo
Lluvia
(mm)
500
400
300
200
100
0
E
F
M
A
M
J
J
A
S
O
N
D
Meses
Lluvia hist.
Lluvia 99



ESTACIONES PLUVIOMETRICAS

Estación : CARIMAGUA
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : AMAGA

Latitud : 6 ° 1 'N
Longitud : 75 ° 41 'W
Altitud : 1750 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	1.0	0.0	2.0	0.0	16.0	37.0	5.0	2.0	10.0	0.0	0.0	12.0	
2	0.0	6.0	0.0	0.0	15.0	0.0	0.0	0.0	6.0	9.0	0.0	2.0	
3	16.0	0.0	0.0	0.0	30.0	20.0	5.0	20.0	11.0	6.0	0.0	7.0	
4	21.0	2.0	11.0	10.0	30.0	28.0	4.0	21.0	26.0	4.0	20.0	17.0	
5	1.0	11.0	0.0	10.0	6.0	21.0	7.0	11.0	14.0	5.0	10.0	15.0	
6	0.0	1.0	0.0	0.0	20.0	9.0	7.0	7.0	17.0	5.0	10.0	4.0	
7	32.0	1.0	0.0	9.0	21.0	20.0	23.0	0.0	28.0	6.0	20.0	0.0	
8	39.0	0.0	0.0	0.0	10.0	11.0	0.0	0.0	10.0	41.0	4.0	0.0	
9	2.0	2.0	0.0	0.0	27.0	27.0	0.0	21.0	3.0	30.0	0.0	0.0	
10	10.0	0.0	26.0	5.0	0.0	21.0	0.0	0.0	7.0	20.0	48.0	0.0	
11	0.0	6.0	0.0	10.0	20.0	6.0	0.0	2.0	6.0	14.0	0.0	5.0	
12	2.0	1.0	0.0	11.0	10.0	14.0	3.0	0.0	12.0	11.0	3.0	6.0	
13	0.0	30.0	20.0	12.0	21.0	21.0	0.0	23.0	15.0	5.0	4.0	7.0	
14	5.0	15.0	20.0	6.0	17.0	6.0	0.0	31.0	0.0	27.0	14.0	16.0	
15	0.0	16.0	6.0	10.0	12.0	4.0	0.0	0.0	4.0	0.0	0.0	33.0	
16	0.0	6.0	17.0	0.0	0.0	2.0	2.0	7.0	0.0	0.0	0.0	5.0	
17	0.0	0.0	10.0	0.0	0.0	10.0	4.0	29.0	10.0	10.0	11.0	5.0	
18	0.0	7.0	0.0	0.0	6.0	1.0	3.0	6.0	31.0	11.0	5.0	10.0	
19	0.0	2.0	1.0	0.0	14.0	4.0	12.0	7.0	14.0	9.0	45.0	14.0	
20	0.0	16.0	3.0	0.0	47.0	11.0	0.0	6.0	16.0	7.0	45.0	0.0	
21	17.0	15.0	4.0	0.0	5.0	4.0	7.0	7.0	31.0	20.0	17.0	2.0	
22	0.0	3.0	5.0	0.0	6.0	0.0	9.0	0.0	17.0	25.0	29.0	0.0	
23	10.0	0.0	25.0	16.0	0.0	4.0	0.0	11.0	15.0	0.0	19.0	0.0	
24	7.0	2.0	8.0	30.0	2.0	16.0	0.0	0.0	10.0	15.0	5.0	0.0	
25	10.0	6.0	30.0	30.0	0.0	15.0	6.0	29.0	11.0	7.0	6.0	0.0	
26	1.0	2.0	8.0	17.0	0.0	32.0	5.0	26.0	13.0	30.0	35.0	0.0	
27	2.0	8.0	30.0	0.0	4.0	30.0	0.0	0.0	5.0	2.0	0.0	0.0	
28	2.0	9.0	26.0	30.0	24.0	0.0	0.0	0.0	36.0	0.0	0.0	0.0	
29	0.0		14.0	36.0	4.0	14.0	8.0	0.0	4.0	0.0	0.0	0.0	
30	0.0		14.0	7.0	5.0	0.0	2.0	0.0	14.0	7.0	11.0	0.0	
31	0.0		0.0		49.0		0.0	0.0		0.0		0.0	
Total	178.0	167.0	280.0	249.0	421.0	388.0	112.0	266.0	396.0	326.0	361.0	160.0	Anual 3304.0
Días LI.	17	22	20	16	25	26	17	18	28	24	20	16	

Estación : BARILOCHE
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : FREDONIA

Latitud : 5 ° 55 'N
Longitud : 75 ° 42 'W
Altitud : 1700 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	45.0	0.0	8.0	0.0	25.0	18.0	0.0	0.0	42.0	0.0	0.0	0.0	
2	0.0	6.0	0.0	2.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	
3	6.0	0.0	0.0	0.0	33.0	0.0	0.0	29.0	0.0	0.0	27.0	49.0	
4	24.0	0.0	21.0	24.0	0.0	91.0	0.0	0.0	118.0	0.0	0.0	45.0	
5	0.0	25.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	20.0	0.0	10.0	
6	13.0	0.0	0.0	50.0	1.0	15.0	0.0	32.0	20.0	31.0	23.0	10.0	
7	8.0	0.0	0.0	0.0	0.0	22.0	7.0	32.0	26.0	0.0	0.0	26.0	
8	0.0	0.0	0.0	0.0	32.0	0.0	0.0	0.0	26.0	0.0	0.0	0.0	
9	11.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	
10	21.0	0.0	68.0	0.0	0.0	8.0	0.0	8.0	0.0	44.0	38.0	1.0	
11	0.0	0.0	0.0	30.0	42.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	
12	0.0	0.0	0.0	26.0	44.0	0.0	0.0	0.0	0.0	8.0	0.0	50.0	
13	0.0	25.0	0.0	10.0	0.0	0.0	0.0	48.0	42.0	0.0	0.0	0.0	
14	0.0	14.0	21.0	0.0	0.0	0.0	0.0	57.0	0.0	8.0	0.0	37.0	
15	0.0	15.0	28.0	0.0	14.0	26.0	0.0	0.0	0.0	31.0	0.0	50.0	
16	0.0	38.0	0.0	0.0	0.0	16.0	0.0	0.0	2.0	0.0	0.0	31.0	
17	14.0	20.0	10.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0	45.0	0.0	
18	0.0	40.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	15.0	15.0	20.0	
19	0.0	48.0	0.0	0.0	0.0	5.0	42.0	0.0	0.0	0.0	16.0	80.0	
20	0.0	0.0	31.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	96.0	0.0	
21	0.0	35.0	0.0	0.0	0.0	41.0	0.0	0.0	34.0	19.0	53.0	0.0	
22	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.0	0.0	0.0	
23	0.0	25.0	17.0	52.0	0.0	0.0	32.0	27.0	39.0	0.0	35.0	12.0	
24	1.0	0.0	0.0	31.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	10.0	
25	0.0	0.0	0.0	11.0	0.0	36.0	0.0	40.0	0.0	10.0	0.0	0.0	
26	0.0	4.0	0.0	50.0	0.0	20.0	14.0	0.0	82.0	7.0	58.0	0.0	
27	0.0	0.0	0.0	0.0	7.0	22.0	0.0	35.0	41.0	32.0	0.0	0.0	
28	9.0	28.0	44.0	0.0	0.0	0.0	0.0	0.0	23.0	0.0	0.0	0.0	
29	0.0		0.0	0.0	71.0	9.0	0.0	0.0	0.0	27.0	0.0	0.0	
30	0.0		0.0	0.0	1.0	70.0	0.0	0.0	70.0	0.0	44.0	0.0	
31	0.0		24.0		21.0		0.0	0.0		0.0		0.0	
Total	172.0	323.0	272.0	290.0	297.0	417.0	100.0	348.0	596.0	307.0	450.0	431.0	Anual 4003.0
Días LI.	11	13	10	11	12	15	5	11	16	13	11	14	

Estación : SANTA CRUZ
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : FREDONIA

Latitud : 5 ° 54 'N
Longitud : 75 ° 38 'W
Altitud : 1400 m

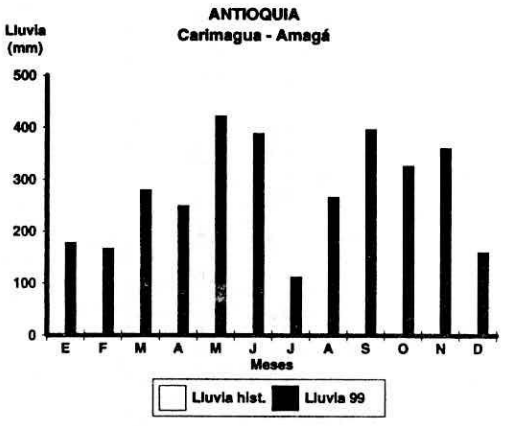
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	5.0	15.0	0.0	3.0	4.0	0.0	20.0	0.0	27.0	0.0	0.0	17.0	
2	3.0	0.0	2.0	0.0	15.0	0.0	0.0	17.0	6.0	0.0	12.0	25.0	
3	0.0	0.0	5.0	25.0	2.0	115.0	0.0	2.0	28.0	1.0	0.0	58.0	
4	28.0	5.0	0.0	0.0	2.0	12.0	0.0	2.0	0.0	11.0	0.0	35.0	
5	0.0	0.0	0.0	15.0	2.0	5.0	0.0	25.0	2.0	40.0	0.0	5.0	
6	3.0	11.0	0.0	25.0	5.0	30.0	4.0	0.0	20.0	11.0	20.0	0.0	
7	0.0	0.0	0.0	0.0	25.0	10.0	6.0	0.0	27.0	0.0	4.0	0.0	
8	0.0	3.0	0.0	5.0	8.0	35.0	0.0	0.0	7.0	2.0	7.0	0.0	
9	23.0	1.0	12.0	12.0	2.0	5.0	0.0	7.0	6.0	20.0	16.0	25.0	
10	0.0	0.0	0.0	3.0	100.0	2.0	0.0	0.0	38.0	23.0	0.0	15.0	
11	0.0	0.0	0.0	18.0	12.0	0.0	0.0	1.0	2.0	0.0	7.0	45.0	
12	0.0	10.0	0.0	0.0	0.0	0.0	0.0	35.0	28.0	0.0	0.0	35.0	
13	0.0	10.0	28.0	2.0	2.0	0.0	0.0	45.0	0.0	5.0	2.0	15.0	
14	7.0	0.0	30.0	2.0	2.0	5.0	0.0	0.0	12.0	50.0	0.0	40.0	
15	0.0	10.0	0.0	0.0	0.0	15.0	0.0	1.0	2.0	35.0	3.0	56.0	
16	0.0	2.0	2.0	0.0	0.0	15.0	5.0	0.0	0.0	0.0	15.0	16.0	
17	0.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	15.0	50.0	
18	0.0	55.0	5.0	0.0	2.0	6.0	17.0	0.0	0.0	0.0	10.0	44.0	
19	0.0	20.0	0.0	0.0	0.0	14.0	0.0	15.0	0.0	3.0	70.0	0.0	
20	0.0	12.0	2.0	0.0	0.0	0.0	0.0	5.0	5.0	3.0	26.0	10.0	
21	0.0	2.0	0.0	0.0	2.0	0.0	5.0	0.0	6.0	77.0	2.0	0.0	
22	0.0	0.0	5.0	31.0	0.0	0.0	0.0	3.0	11.0	0.0	16.0	55.0	
23	3.0	15.0	2.0	30.0	0.0	3.0	0.0	0.0	5.0	2.0	19.0	0.0	
24	77.0	0.0	0.0	5.0	2.0	45.0	0.0	61.0	25.0	7.0	14.0	0.0	
25	0.0	2.0	0.0	10.0	0.0	11.0	0.0	33.0	15.0	9.0	2.0	0.0	
26	0.0	5.0	0.0	2.0	3.0	20.0	0.0	0.0	2.0	25.0	0.0	0.0	
27	0.0	22.0	75.0	2.0	0.0	0.0	0.0	2.0	45.0	5.0	0.0	15.0	
28	0.0	20.0	0.0	10.0	10.0	3.0	0.0	0.0	10.0	11.0	0.0	0.0	
29	0.0		1.0	0.0	2.0	60.0	2.0	0.0	30.0	28.0	12.0	0.0	
30	0.0		0.0	38.0	25.0	0.0	0.0	0.0	10.0	0.0	1.0	0.0	
31	0.0		0.0		20.0		10.0	25.0		0.0		0.0	
													Anual
Total	149.0	255.0	169.0	238.0	247.0	411.0	69.0	279.0	369.0	370.0	273.0	561.0	3390.0
Dias LI.	8	19	12	18	21	19	8	16	24	21	20	18	

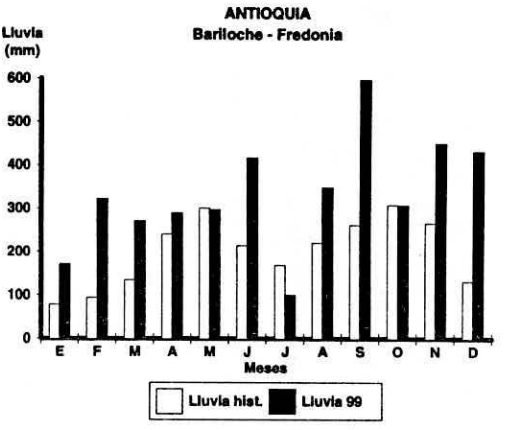
Estación : SANTA ISABEL
Año : 1999

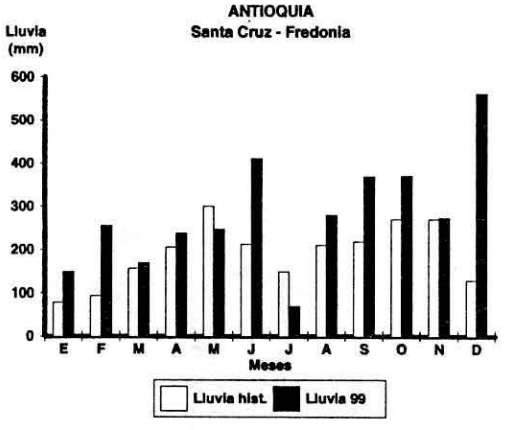
Dpto. : ANTIOQUIA
Mpio. : FREDONIA

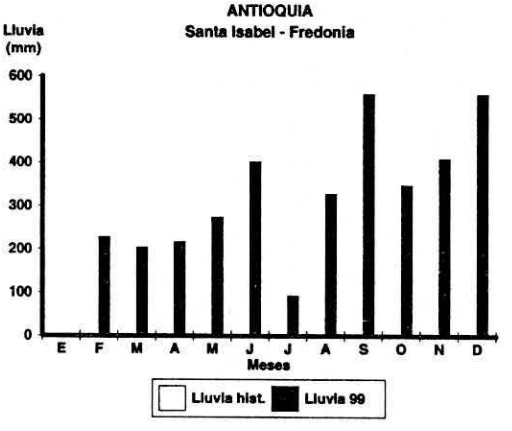
Latitud : 5 ° 52 'N
Longitud : 75 ° 40 'W
Altitud : 1963 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1		0.0	8.0	52.0	0.0	34.0	0.0	6.0	43.0	10.0	0.0	4.0	
2		0.0	1.0	3.0	12.0	0.0	8.0	1.0	38.0	0.0	0.0	17.0	
3		0.0	7.0	15.0	0.0	0.0	0.0	45.0	1.0	0.0	40.0	45.0	
4		0.0	12.0	1.0	20.0	51.0	0.0	2.0	51.0	0.0	7.0	57.0	
5		0.0	0.0	19.0	8.0	16.0	5.0	3.0	0.0	11.0	3.0	55.0	
6		0.0	0.0	0.0	13.0	20.0	1.0	22.0	2.0	40.0	0.0	0.0	
7		0.0	0.0	6.0	28.0	39.0	3.0	0.0	40.0	0.0	50.0	0.0	
8		0.0	0.0	14.0	1.0	14.0	7.0	0.0	20.0	17.0	4.0	0.0	
9		6.0	0.0	5.0	6.0	38.0	0.0	0.0	22.0	2.0	54.0	36.0	
10		0.0	16.0	0.0	15.0	7.0	3.0	17.0	42.0	18.0	6.0	0.0	
11		0.0	0.0	34.0	5.0	2.0	0.0	0.0	33.0	19.0	0.0	17.0	
12		12.0	0.0	19.0	16.0	2.0	0.0	0.0	2.0	0.0	7.0	16.0	
13		12.0	0.0	5.0	18.0	0.0	0.0	35.0	30.0	0.0	0.0	30.0	
14		2.0	30.0	4.0	4.0	14.0	0.0	66.0	0.0	5.0	10.0	17.0	
15		1.0	42.0	4.0	2.0	10.0	0.0	0.0	17.0	38.0	0.0	40.0	
16		13.0	1.0	0.0	0.0	5.0	0.0	1.0	7.0	37.0	6.0	45.0	
17		5.0	7.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	25.0	10.0	
18		26.0	1.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	18.0	42.0	
19		61.0	14.0	1.0	0.0	19.0	30.0	2.0	0.0	0.0	13.0	40.0	
20		10.0	8.0	0.0	0.0	2.0	2.0	18.0	0.0	4.0	50.0	0.0	
21		10.0	4.0	0.0	0.0	0.0	0.0	3.0	24.0	14.0	35.0	5.0	
22		1.0	0.0	1.0	0.0	0.0	16.0	0.0	5.0	55.0	4.0	0.0	
23		0.0	0.0	0.0	35.0	0.0	8.0	0.0	5.0	0.0	25.0	3.0	
24		23.0	0.0	0.0	49.0	4.0	0.0	0.0	7.0	11.0	0.0	65.0	
25		1.0	2.0	7.0	6.0	15.0	0.0	75.0	37.0	13.0	17.0	0.0	
26		5.0	0.0	0.0	5.0	30.0	0.0	31.0	30.0	16.0	4.0	0.0	
27		13.0	0.0	7.0	1.0	24.0	0.0	0.0	23.0	9.0	0.0	0.0	
28		26.0	49.0	0.0	0.0	1.0	0.0	0.0	30.0	6.0	0.0	15.0	
29			2.0	14.0	15.0	3.0	0.0	0.0	1.0	17.0	0.0	0.0	
30			0.0	3.0	0.0	52.0	3.0	0.0	47.0	3.0	31.0	0.0	
31			0.0		14.0		0.0	0.0		0.0		0.0	
													Anual
Total		227.0	204.0	216.0	273.0	402.0	92.0	327.0	559.0	347.0	409.0	559.0	
Dias LI.		17	16	20	20	22	12	15	25	21	20	19	


ANTIOQUIA
Carimagua - Amagá
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


ANTIOQUIA
Bariloche - Fredonia
Lluvia (mm)
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


ANTIOQUIA
Santa Cruz - Fredonia
Lluvia (mm)
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


ANTIOQUIA
Santa Isabel - Fredonia
Lluvia (mm)
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : LA BLANQUITA
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : FREDONIA

Latitud : 5 ° 49 'N
Longitud : 75 ° 40 'W
Altitud : 569 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	0.0	0.0	20.0	2.0	0.0	0.0	16.0	0.0	0.0	0.0	
2	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	
3	26.0	9.0	15.0	0.0	18.0	0.0	0.0	53.0	0.0	0.0	18.0	15.0	
4	12.0	0.0	42.0	17.0	0.0	25.0	0.0	22.0	23.0	0.0	0.0	53.0	
5	0.0	5.0	0.0	0.0	18.0	16.0	0.0	4.0	0.0	10.0	0.0	31.0	
6	0.0	0.0	0.0	0.0	30.0	3.0	0.0	12.0	0.0	5.0	10.0	0.0	
7	11.0	0.0	0.0	34.0	4.0	31.0	0.0	0.0	32.0	0.0	5.0	0.0	
8	0.0	0.0	0.0	11.0	8.0	7.0	5.0	0.0	0.0	0.0	0.0	0.0	
9	0.0	22.0	0.0	0.0	2.0	55.0	0.0	0.0	17.0	4.0	6.0	4.0	
10	0.0	0.0	0.0	5.0	5.0	6.0	0.0	6.0	0.0	0.0	50.0	37.0	
11	0.0	0.0	0.0	7.0	20.0	5.0	0.0	0.0	22.0	10.0	0.0	5.0	
12	0.0	0.0	0.0	6.0	17.0	0.0	0.0	0.0	0.0	0.0	10.0	9.0	
13	0.0	28.0	0.0	0.0	6.0	0.0	0.0	28.0	33.0	0.0	0.0	10.0	
14	0.0	8.0	7.0	8.0	0.0	0.0	0.0	27.0	0.0	5.0	7.0	40.0	
15	0.0	0.0	34.0	0.0	11.0	13.0	0.0	0.0	0.0	25.0	0.0	40.0	
16	0.0	7.0	0.0	0.0	0.0	0.0	0.0	11.0	40.0	0.0	0.0	37.0	
17	0.0	0.0	22.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	38.0	5.0	
18	0.0	29.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	5.0	18.0	23.0	
19	0.0	0.0	22.0	0.0	0.0	18.0	38.0	0.0	0.0	0.0	0.0	15.0	
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	4.0	30.0	0.0	
21	0.0	36.0	0.0	0.0	0.0	0.0	0.0	0.0	36.0	0.0	15.0	10.0	
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	10.0	0.0	0.0	
23	11.0	0.0	0.0	10.0	0.0	0.0	9.0	0.0	0.0	0.0	9.0	0.0	
24	2.0	23.0	0.0	24.0	0.0	0.0	0.0	0.0	13.0	0.0	9.0	0.0	
25	0.0	0.0	0.0	15.0	3.0	12.0	0.0	40.0	10.0	25.0	0.0	0.0	
26	0.0	10.0	0.0	5.0	0.0	27.0	0.0	20.0	22.0	20.0	0.0	0.0	
27	0.0	34.0	20.0	5.0	5.0	23.0	0.0	0.0	5.0	0.0	0.0	0.0	
28	2.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	
29	0.0		0.0	10.0	18.0	0.0	0.0	0.0	0.0	23.0	0.0	0.0	
30	0.0		0.0	0.0	0.0	12.0	0.0	0.0	40.0	0.0	28.0	0.0	
31	0.0		0.0		5.0		0.0	0.0		0.0		0.0	
Total	64.0	240.0	162.0	172.0	190.0	267.0	52.0	239.0	343.0	146.0	253.0	334.0	Anual 2462.0
Días Ll.	6	12	7	14	16	16	3	12	16	12	14	15	

Estación : LA PALMERA
Año : 1999

Dpto. : ANTIOQUIA
Mpio. : MEDELLIN

Latitud : 5 ° 0 'N
Longitud : 75 ° 45 'W
Altitud : 1500 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	5.0	2.0	0.0	3.0	14.0	12.0	10.0	0.0	0.0	0.0	2.0	0.0	
2	14.0	3.0	0.0	25.0	0.0	0.0	11.0	2.0	18.0	6.0	38.0	8.0	
3	12.0	0.0	1.0	0.0	29.0	0.0	18.0	6.0	2.0	2.0	3.0	27.0	
4	14.0	0.0	0.0	19.0	2.0	20.0	0.0	9.0	20.0	22.0	31.0	0.0	
5	0.0	12.0	0.0	0.0	2.0	1.0	0.0	3.0	2.0	59.0	14.0	2.0	
6	8.0	5.0	0.0	26.0	10.0	18.0	0.0	0.0	25.0	10.0	20.0	0.0	
7	9.0	0.0	8.0	17.0	3.0	55.0	13.0	11.0	0.0	18.0	1.0	3.0	
8	18.0	0.0	10.0	27.0	1.0	2.0	2.0	0.0	26.0	3.0	3.0	0.0	
9	22.0	2.0	0.0	6.0	55.0	4.0	3.0	0.0	10.0	2.0	22.0	2.0	
10	15.0	0.0	0.0	17.0	0.0	11.0	0.0	0.0	45.0	0.0	4.0	12.0	
11	5.0	36.0	0.0	13.0	0.0	2.0	2.0	6.0	42.0	6.0	2.0	43.0	
12	4.0	0.0	0.0	2.0	45.0	21.0	0.0	35.0	0.0	0.0	0.0	26.0	
13	1.0	10.0	0.0	3.0	0.0	1.0	0.0	30.0	10.0	1.0	0.0	25.0	
14	2.0	10.0	35.0	17.0	0.0	0.0	0.0	22.0	16.0	23.0	1.0	23.0	
15	0.0	4.0	12.0	0.0	0.0	3.0	0.0	0.0	30.0	12.0	0.0	20.0	
16	2.0	11.0	2.0	0.0	24.0	13.0	0.0	33.0	12.0	18.0	73.0	25.0	
17	0.0	35.0	91.0	0.0	0.0	1.0	0.0	0.0	14.0	1.0	4.0	5.0	
18	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	2.0	1.0	
19	13.0	53.0	28.0	0.0	0.0	8.0	2.0	0.0	16.0	1.0	3.0	2.0	
20	0.0	0.0	0.0	0.0	3.0	13.0	17.0	14.0	10.0	2.0	1.0	4.0	
21	23.0	10.0	3.0	0.0	0.0	1.0	48.0	7.0	8.0	0.0	0.0	7.0	
22	15.0	7.0	1.0	3.0	0.0	2.0	18.0	0.0	6.0	0.0	6.0	2.0	
23	2.0	11.0	0.0	45.0	0.0	6.0	16.0	0.0	15.0	1.0	15.0	6.0	
24	0.0	35.0	25.0	60.0	0.0	34.0	0.0	0.0	9.0	0.0	21.0	0.0	
25	0.0	0.0	0.0	8.0	20.0	1.0	18.0	0.0	17.0	38.0	4.0	0.0	
26	0.0	3.0	1.0	6.0	0.0	11.0	34.0	0.0	20.0	5.0	42.0	0.0	
27	3.0	2.0	10.0	1.0	0.0	0.0	7.0	40.0	4.0	4.0	0.0	0.0	
28	3.0	14.0	8.0	5.0	1.0	1.0	32.0	0.0	0.0	11.0	45.0	0.0	
29	1.0		0.0	29.0	0.0	1.0	4.0	0.0	32.0	1.0	4.0	0.0	
30	11.0		0.0	27.0	0.0	9.0	1.0	5.0	21.0	4.0	2.0	14.0	
31	0.0		0.0		0.0		7.0	11.0		0.0		0.0	
Total	232.0	265.0	235.0	359.0	209.0	251.0	263.0	234.0	441.0	250.0	363.0	257.0	Anual 3359.0
Días Ll.	24	19	14	21	13	25	19	15	26	23	25	20	

Estación : GUAYMARAL
Año : 1999

Dpto. : CALDAS
Mpio. : AGUADAS

Latitud : 5 ° 39 'N
Longitud : 75 ° 27 'W
Altitud : 1600 m

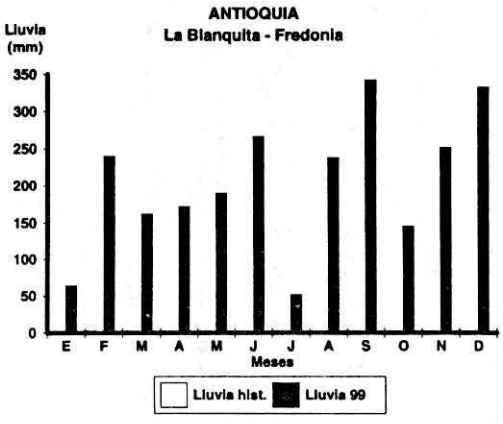
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	5.0	8.0	0.0	0.0	6.0	7.0	2.0	0.0	15.0	5.0	15.0	10.0	
2	4.0	5.0	0.0	6.0	7.0	0.0	10.0	0.0	18.0	0.0	0.0	0.0	
3	0.0	4.0	0.0	0.0	38.0	0.0	7.0	10.0	5.0	3.0	6.0	26.0	
4	0.0	4.0	10.0	5.0	0.0	10.0	0.0	0.0	35.0	2.0	0.0	30.0	
5	2.0	35.0	0.0	0.0	11.0	9.0	0.0	0.0	0.0	19.0	0.0	4.0	
6	0.0	20.0	0.0	2.0	9.0	18.0	0.0	23.0	0.0	15.0	16.0	0.0	
7	20.0	7.0	0.0	10.0	6.0	10.0	0.0	10.0	12.0	0.0	28.0	0.0	
8	10.0	6.0	0.0	4.0	10.0	20.0	1.0	0.0	17.0	0.0	13.0	0.0	
9	20.0	0.0	0.0	5.0	43.0	14.0	0.0	0.0	13.0	6.0	0.0	0.0	
10	9.0	2.0	10.0	30.0	0.0	16.0	0.0	0.0	11.0	8.0	4.0	0.0	
11	0.0	0.0	0.0	10.0	18.0	8.0	0.0	0.0	15.0	17.0	0.0	6.0	
12	0.0	3.0	0.0	21.0	17.0	10.0	0.0	0.0	10.0	0.0	38.0	7.0	
13	0.0	5.0	0.0	4.0	10.0	7.0	0.0	16.0	32.0	0.0	5.0	9.0	
14	0.0	0.0	8.0	12.0	2.0	5.0	0.0	14.0	2.0	0.0	4.0	12.0	
15	0.0	3.0	13.0	0.0	5.0	2.0	0.0	0.0	0.0	21.0	0.0	15.0	
16	5.0	5.0	4.0	0.0	0.0	0.0	20.0	0.0	14.0	6.0	25.0	32.0	
17	0.0	6.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	23.0	
18	0.0	12.0	4.0	0.0	9.0	8.0	11.0	0.0	2.0	2.0	20.0	24.0	
19	0.0	7.0	6.0	0.0	0.0	6.0	0.0	0.0	0.0	7.0	0.0	6.0	
20	0.0	5.0	0.0	0.0	5.0	9.0	2.0	11.0	3.0	3.0	30.0	11.0	
21	0.0	57.0	3.0	0.0	4.0	2.0	0.0	7.0	18.0	22.0	5.0	0.0	
22	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	8.0	13.0	0.0	8.0	
23	0.0	11.0	2.0	0.0	0.0	0.0	0.0	0.0	12.0	11.0	8.0	10.0	
24	30.0	27.0	4.0	20.0	0.0	1.0	22.0	5.0	15.0	8.0	27.0	19.0	
25	0.0	14.0	0.0	12.0	2.0	15.0	0.0	13.0	17.0	0.0	5.0	0.0	
26	0.0	16.0	0.0	10.0	0.0	20.0	0.0	11.0	13.0	30.0	0.0	0.0	
27	15.0	14.0	13.0	0.0	5.0	11.0	0.0	0.0	16.0	26.0	0.0	0.0	
28	0.0	10.0	17.0	4.0	0.0	0.0	2.0	8.0	12.0	19.0	0.0	21.0	
29	0.0		0.0	10.0	15.0	3.0	0.0	0.0	9.0	4.0	12.0	0.0	
30	0.0		15.0	0.0	8.0	16.0	6.0	0.0	7.0	0.0	39.0	0.0	
31	0.0		0.0		3.0		0.0	3.0		0.0		5.0	
													Anual
Total	120.0	286.0	124.0	165.0	243.0	227.0	83.0	131.0	331.0	247.0	322.0	278.0	2557.0
Días Ll.	10	24	14	16	22	23	10	12	25	21	19	19	

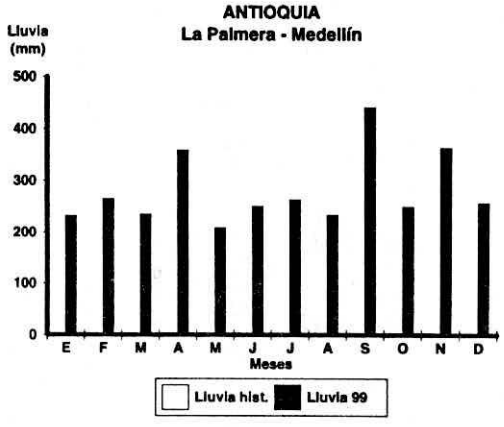
Estación : SALINEROS
Año : 1999

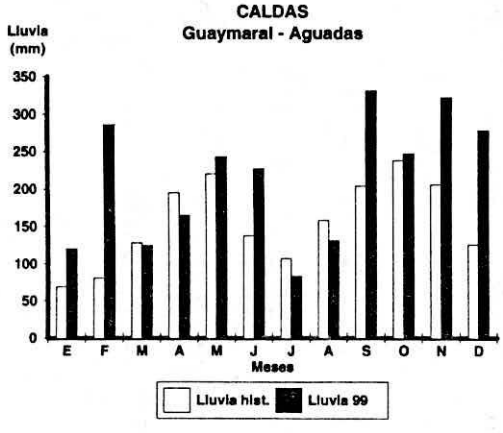
Dpto. : CALDAS
Mpio. : AGUADAS

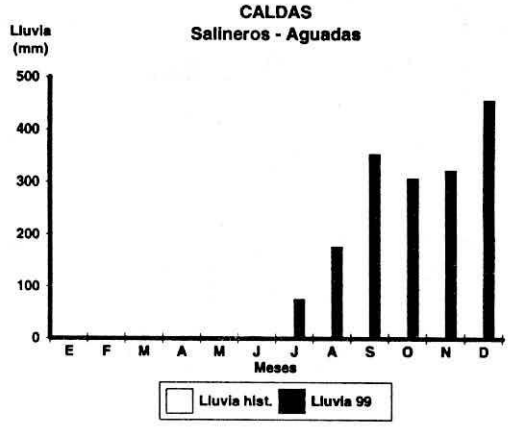
Latitud : 5 ° 35 'N
Longitud : 75 ° 32 'W
Altitud : 1476 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1							0.0	1.0	16.0	0.0	10.0	16.0	
2							7.0	13.0	12.0	0.0	16.0	0.0	
3							0.0	7.0	0.0	3.0	4.0	14.0	
4							0.0	0.0	28.0	1.0	16.0	24.0	
5							0.0	2.0	0.0	24.0	0.0	0.0	
6							9.0	94.0	0.0	8.0	0.0	0.0	
7							4.0	0.0	47.0	1.0	3.0	0.0	
8							20.0	2.0	1.0	0.0	39.0	0.0	
9							0.0	0.0	40.0	1.0	0.0	0.0	
10							0.0	0.0	3.0	19.0	22.0	0.0	
11							0.0	0.0	22.0	5.0	0.0	18.0	
12							0.0	0.0	1.0	0.0	21.0	6.0	
13							0.0	6.0	19.0	0.0	0.0	56.0	
14							0.0	15.0	0.0	1.0	3.0	15.0	
15							0.0	0.0	4.0	75.0	0.0	24.0	
16							0.0	0.0	6.0	0.0	42.0	16.0	
17							0.0	1.0	1.0	0.0	16.0	35.0	
18							4.0	0.0	0.0	4.0	15.0	75.0	
19							0.0	0.0	5.0	8.0	7.0	8.0	
20							0.0	12.0	3.0	26.0	32.0	3.0	
21							0.0	1.0	21.0	2.0	1.0	0.0	
22							0.0	0.0	2.0	29.0	0.0	68.0	
23							11.0	0.0	27.0	0.0	34.0	62.0	
24							0.0	0.0	57.0	2.0	17.0	0.0	
25							0.0	4.0	11.0	2.0	7.0	0.0	
26							3.0	15.0	9.0	24.0	0.0	0.0	
27							0.0	0.0	7.0	17.0	0.0	11.0	
28							0.0	3.0	5.0	4.0	0.0	0.0	
29							0.0	0.0	0.0	47.0	2.0	1.0	
30							7.0	0.0	6.0	4.0	15.0	2.0	
31							10.0	0.0		0.0		2.0	
													Anual
Total							75.0	176.0	353.0	307.0	322.0	456.0	
Días Ll.							9	14	24	22	20	19	


ANTIOQUIA
La Blanquita - Fredonia
Lluvia (mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


ANTIOQUIA
La Palmera - Medellín
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
Guaymaral - Aguadas
Lluvia (mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
Salineros - Aguadas
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : SAN JOSE
Año : 1999

Dpto. : CALDAS
Mpio. : AGUADAS

Latitud : 5 ° 34 'N
Longitud : 75 ° 28 'W
Altitud : 1663 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1								12.0	0.0	6.0	0.0	8.0	
2							5.0	4.0	29.0	0.0	13.0	0.0	
3							0.0	2.0	22.0	0.0	0.0	20.0	
4							0.0	0.0	0.0	6.0	39.0	28.0	
5							4.0	2.0	0.0	47.0	0.0	3.0	
6							7.0	77.0	29.0	19.0	0.0	0.0	
7							7.0	0.0	10.0	0.0	4.0	4.0	
8							12.0	0.0	8.0	9.0	2.0	0.0	
9							0.0	0.0	9.0	3.0	0.0	7.0	
10							0.0	1.0	10.0	9.0	31.0	3.0	
11							2.0	0.0	13.0	2.0	0.0	10.0	
12							1.0	0.0	0.0	0.0	19.0	7.0	
13							0.0	10.0	21.0	3.0	1.0	6.0	
14							0.0	26.0	0.0	0.0	17.0	7.0	
15							0.0	0.0	44.0	56.0	0.0	19.0	
16							1.0	0.0	18.0	2.0	38.0	28.0	
17							1.0	0.0	2.0	0.0	17.0	9.0	
18							0.0	1.0	2.0	3.0	20.0	36.0	
19							7.0	0.0	0.0	5.0	6.0	3.0	
20							1.0	8.0	6.0	0.0	11.0	1.0	
21							0.0	3.0	23.0	11.0	2.0	0.0	
22							0.0	0.0	3.0	32.0	0.0	35.0	
23							0.0	5.0	23.0	0.0	17.0	0.0	
24							1.0	0.0	41.0	0.0	8.0	44.0	
25							0.0	7.0	7.0	19.0	13.0	0.0	
26							1.0	15.0	23.0	63.0	11.0	0.0	
27							0.0	3.0	16.0	18.0	0.0	0.0	
28							1.0	7.0	9.0	19.0	0.0	3.0	
29							0.0	0.0	0.0	16.0	0.0	0.0	
30							4.0	0.0	7.0	10.0	45.0	0.0	
31							5.0	0.0		0.0		0.0	
Total							60.0	183.0	375.0	358.0	314.0	281.0	Anual
Días Ll.							16	16	23	21	19	20	

Estación : LA LINDA
Año : 1999

Dpto. : CALDAS
Mpio. : PACORA

Latitud : 5 ° 33 'N
Longitud : 75 ° 32 'W
Altitud : 1750 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	3.0	22.0	11.0	21.0	10.0	5.0	3.0	1.0	15.0	5.0	10.0	13.0	
2	8.0	2.0	0.0	8.0	4.0	0.0	0.0	0.0	10.0	0.0	30.0	0.0	
3	3.0	4.0	0.0	0.0	29.0	29.0	0.0	5.0	5.0	6.0	2.0	19.0	
4	18.0	12.0	30.0	9.0	2.0	3.0	0.0	0.0	25.0	1.0	18.0	37.0	
5	0.0	40.0	0.0	0.0	9.0	9.0	5.0	76.0	2.0	8.0	0.0	3.0	
6	0.0	35.0	0.0	0.0	5.0	28.0	12.0	0.0	5.0	12.0	5.0	12.0	
7	79.0	3.0	0.0	20.0	4.0	42.0	4.0	21.0	97.0	0.0	1.0	0.0	
8	33.0	43.0	0.0	4.0	26.0	5.0	3.0	3.0	5.0	5.0	41.0	0.0	
9	18.0	0.0	2.0	9.0	30.0	11.0	0.0	1.0	4.0	2.0	0.0	0.0	
10	9.0	2.0	45.0	21.0	0.0	5.0	0.0	3.0	6.0	30.0	16.0	4.0	
11	0.0	10.0	0.0	24.0	6.0	10.0	0.0	8.0	15.0	1.0	0.0	8.0	
12	0.0	2.0	0.0	19.0	33.0	7.0	0.0	4.0	2.0	0.0	36.0	11.0	
13	0.0	11.0	0.0	2.0	18.0	0.0	0.0	0.0	17.0	0.0	0.0	9.0	
14	0.0	0.0	12.0	0.0	9.0	0.0	0.0	20.0	2.0	1.0	6.0	63.0	
15	0.0	0.0	55.0	0.0	0.0	0.0	0.0	0.0	9.0	55.0	0.0	88.0	
16	1.0	5.0	6.0	0.0	0.0	14.0	0.0	0.0	3.0	0.0	55.0	34.0	
17	0.0	11.0	60.0	0.0	0.0	3.0	21.0	0.0	0.0	0.0	16.0	57.0	
18	0.0	5.0	0.0	8.0	2.0	2.0	0.0	0.0	0.0	0.0	10.0	69.0	
19	1.0	38.0	22.0	2.0	3.0	0.0	7.0	0.0	20.0	5.0	12.0	71.0	
20	0.0	4.0	0.0	0.0	0.0	7.0	2.0	28.0	2.0	3.0	15.0	14.0	
21	1.0	80.0	0.0	0.0	0.0	3.0	0.0	2.0	30.0	11.0	11.0	5.0	
22	0.0	10.0	1.0	0.0	1.0	0.0	0.0	0.0	3.0	30.0	50.0	10.0	
23	7.0	19.0	2.0	0.0	0.0	1.0	2.0	2.0	8.0	0.0	35.0	43.0	
24	6.0	36.0	0.0	21.0	1.0	8.0	0.0	0.0	5.0	13.0	10.0	69.0	
25	11.0	7.0	0.0	40.0	0.0	20.0	0.0	24.0	9.0	17.0	6.0	2.0	
26	15.0	38.0	0.0	0.0	0.0	16.0	12.0	21.0	21.0	15.0	0.0	0.0	
27	9.0	21.0	44.0	8.0	0.0	8.0	1.0	2.0	5.0	20.0	0.0	0.0	
28	0.0	9.0	4.0	4.0	9.0	0.0	2.0	4.0	9.0	8.0	0.0	12.0	
29	0.0		12.0	8.0	31.0	5.0	0.0	1.0	1.0	5.0	18.0	0.0	
30	0.0		6.0	0.0	12.0	8.0	8.0	0.0	3.0	8.0	9.0	1.0	
31	0.0		0.0		10.0		23.0	0.0		2.0		0.0	
Total	222.0	469.0	312.0	228.0	254.0	249.0	105.0	226.0	338.0	263.0	412.0	654.0	Anual 3732.0
Días Ll.	16	25	15	17	21	23	14	18	28	23	22	23	

Estación : EL DESCANSO
Año : 1999

Dpto. : CALDAS
Mpio. : MARMATO

Latitud : 5 ° 30 'N
Longitud : 75 ° 37 'W
Altitud : 1800 m

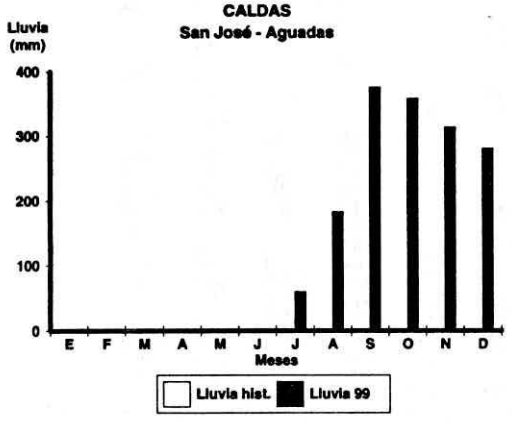
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	30.0	1.0	2.0	12.0	0.0	0.0	3.0	0.0	5.0	0.0	6.0	28.0	
2	8.0	12.0	0.0	0.0	19.0	0.0	0.0	17.0	0.0	0.0	29.0	2.0	
3	11.0	1.0	10.0	5.0	2.0	7.0	0.0	0.0	30.0	5.0	2.0	10.0	
4	5.0	26.0	0.0	0.0	3.0	6.0	0.0	1.0	0.0	1.0	39.0	29.0	
5	0.0	48.0	0.0	0.0	20.0	16.0	8.0	53.0	7.0	22.0	0.0	0.0	
6	11.0	1.0	0.0	25.0	1.0	32.0	1.0	0.0	37.0	0.0	2.0	0.0	
7	46.0	0.0	0.0	20.0	29.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	
8	6.0	22.0	0.0	0.0	20.0	9.0	0.0	0.0	26.0	2.0	0.0	0.0	
9	3.0	0.0	25.0	24.0	0.0	11.0	0.0	8.0	3.0	5.0	0.0	0.0	
10	0.0	0.0	0.0	4.0	6.0	0.0	0.0	3.0	24.0	0.0	5.0	0.0	
11	0.0	0.0	0.0	19.0	53.0	5.0	2.0	9.0	0.0	8.0	0.0	11.0	
12	0.0	1.0	0.0	0.0	2.0	22.0	0.0	6.0	0.0	0.0	0.0	0.0	
13	3.0	0.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	
14	0.0	0.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	
15	4.0	5.0	18.0	0.0	23.0	0.0	0.0	12.0	28.0	32.0	0.0	19.0	
16	0.0	3.0	32.0	0.0	0.0	6.0	11.0	6.0	0.0	0.0	35.0	7.0	
17	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	40.0	
18	3.0	24.0	29.0	0.0	0.0	0.0	3.0	0.0	0.0	4.0	10.0	50.0	
19	0.0	3.0	0.0	0.0	17.0	3.0	0.0	26.0	4.0	0.0	17.0	40.0	
20	0.0	41.0	4.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	5.0	30.0	
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	5.0	
22	9.0	24.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	15.0	
23	5.0	25.0	0.0	21.0	2.0	0.0	0.0	0.0	34.0	6.0	0.0	10.0	
24	0.0	2.0	0.0	21.0	1.0	28.0	0.0	2.0	0.0	0.0	5.0	0.0	
25	29.0	22.0	0.0	18.0	0.0	30.0	2.0	7.0	10.0	0.0	35.0	0.0	
26	4.0	28.0	0.0	1.0	0.0	41.0	0.0	2.0	2.0	32.0	30.0	0.0	
27	0.0	7.0	20.0	4.0	0.0	1.0	0.0	0.0	8.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	41.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
29	25.0		1.0	9.0	0.0	13.0	0.0	0.0	4.0	7.0	4.0	0.0	
30	0.0		2.0	8.0	6.0	4.0	16.0	0.0	0.0	0.0	4.0	0.0	
31	7.0		7.0		0.0		0.0	3.0		0.0		60.0	
Total	209.0	300.0	182.0	237.0	210.0	263.0	46.0	155.0	222.0	150.0	254.0	391.0	Anual 2619.0
Días Ll.	17	20	13	17	16	18	8	14	14	13	17	17	

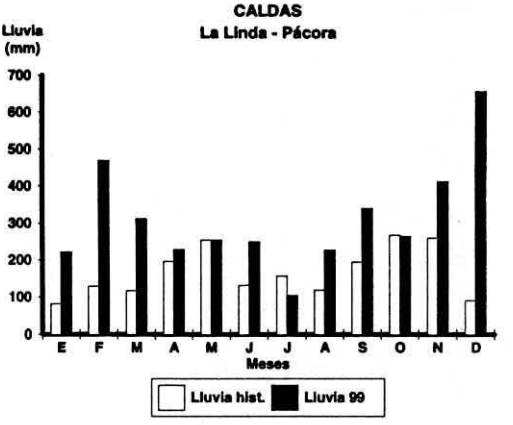
Estación : HOGAR JUVENIL
Año : 1999

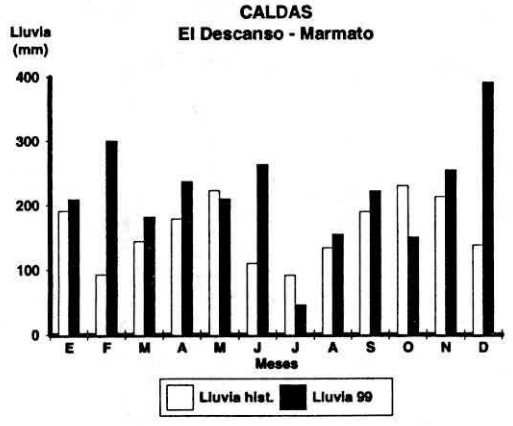
Dpto. : CALDAS
Mpio. : PENSILVANIA

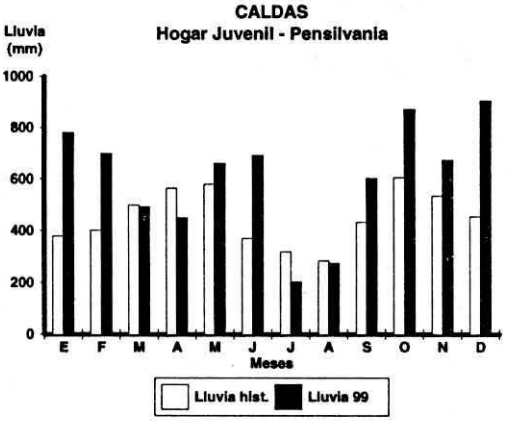
Latitud : 5 ° 30 'N
Longitud : 75 ° 11 'W
Altitud : 1500 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	7.0	60.0	5.0	4.0	83.0	25.0	4.0	0.0	10.0	7.0	3.0	3.0	
2	14.0	39.0	8.0	8.0	12.0	0.0	13.0	0.0	6.0	0.0	23.0	30.0	
3	17.0	24.0	0.0	0.0	35.0	24.0	22.0	0.0	5.0	3.0	12.0	86.0	
4	71.0	3.0	74.0	50.0	12.0	40.0	0.0	0.0	55.0	50.0	38.0	19.0	
5	19.0	33.0	5.0	0.0	13.0	22.0	15.0	39.0	3.0	3.0	31.0	26.0	
6	0.0	72.0	0.0	5.0	32.0	13.0	0.0	45.0	0.0	5.0	0.0	49.0	
7	133.0	25.0	23.0	93.0	38.0	17.0	10.0	0.0	61.0	18.0	30.0	81.0	
8	102.0	0.0	3.0	21.0	1.0	49.0	24.0	0.0	4.0	0.0	0.0	24.0	
9	40.0	0.0	23.0	4.0	47.0	20.0	0.0	0.0	32.0	44.0	39.0	5.0	
10	3.0	3.0	7.0	11.0	8.0	0.0	0.0	0.0	15.0	50.0	97.0	27.0	
11	58.0	5.0	14.0	8.0	9.0	50.0	0.0	0.0	40.0	10.0	0.0	28.0	
12	5.0	40.0	7.0	42.0	117.0	20.0	13.0	0.0	7.0	0.0	13.0	65.0	
13	17.0	10.0	7.0	4.0	13.0	10.0	0.0	19.0	12.0	0.0	14.0	17.0	
14	0.0	32.0	9.0	12.0	1.0	30.0	0.0	5.0	5.0	8.0	4.0	81.0	
15	0.0	10.0	57.0	0.0	0.0	0.0	0.0	0.0	3.0	65.0	0.0	28.0	
16	24.0	0.0	30.0	0.0	25.0	8.0	3.0	0.0	120.0	75.0	60.0	58.0	
17	1.0	35.0	5.0	0.0	0.0	22.0	20.0	0.0	0.0	30.0	73.0	35.0	
18	4.0	5.0	7.0	0.0	28.0	16.0	0.0	0.0	0.0	81.0	28.0	28.0	
19	3.0	26.0	25.0	0.0	0.0	9.0	17.0	0.0	25.0	18.0	20.0	26.0	
20	10.0	2.0	5.0	0.0	0.0	19.0	5.0	22.0	16.0	20.0	30.0	67.0	
21	27.0	47.0	33.0	0.0	13.0	5.0	0.0	17.0	5.0	58.0	3.0	31.0	
22	0.0	0.0	19.0	0.0	27.0	5.0	0.0	0.0	51.0	60.0	10.0	5.0	
23	31.0	25.0	10.0	0.0	7.0	0.0	17.0	17.0	0.0	72.0	30.0	22.0	
24	28.0	45.0	2.0	47.0	3.0	0.0	2.0	3.0	5.0	60.0	17.0	17.0	
25	7.0	49.0	0.0	15.0	0.0	48.0	0.0	10.0	10.0	23.0	2.0	0.0	
26	11.0	41.0	0.0	85.0	0.0	85.0	0.0	47.0	37.0	0.0	41.0	11.0	
27	74.0	8.0	10.0	3.0	0.0	65.0	0.0	47.0	16.0	50.0	22.0	5.0	
28	43.0	60.0	47.0	6.0	26.0	35.0	33.0	0.0	15.0	29.0	4.0	20.0	
29	19.0		15.0	22.0	38.0	30.0	0.0	3.0	25.0	27.0	30.0	6.0	
30	7.0		26.0	9.0	40.0	25.0	4.0	0.0	20.0	5.0	0.0	1.0	
31	5.0		17.0		34.0		0.0	0.0		0.0		4.0	
Total	780.0	699.0	493.0	449.0	662.0	692.0	202.0	274.0	603.0	871.0	674.0	905.0	Anual 7304.0
Días Ll.	27	24	27	19	24	25	15	12	26	25	25	30	


CALDAS
San José - Aguadas
Lluvia (mm)
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
La Linda - Pácora
Lluvia (mm)
700
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
El Descanso - Marmato
Lluvia (mm)
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
Hogar Juvenil - Pensilvania
Lluvia (mm)
1000
800
600
400
200
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : EL DESCANSO
Año : 1999

Dpto. : CALDAS
Mpio. : MARMATO

Latitud : 5 ° 30 'N
Longitud : 75 ° 37 'W
Altitud : 1800 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	30.0	1.0	2.0	12.0	0.0	0.0	3.0	0.0	5.0	0.0	6.0	28.0	
2	8.0	12.0	0.0	0.0	19.0	0.0	0.0	17.0	0.0	0.0	29.0	2.0	
3	11.0	1.0	10.0	5.0	2.0	7.0	0.0	0.0	30.0	5.0	2.0	10.0	
4	5.0	26.0	0.0	0.0	3.0	6.0	0.0	1.0	0.0	1.0	39.0	29.0	
5	0.0	48.0	0.0	0.0	20.0	16.0	8.0	53.0	7.0	22.0	0.0	0.0	
6	11.0	1.0	0.0	25.0	1.0	32.0	1.0	0.0	37.0	0.0	2.0	0.0	
7	46.0	0.0	0.0	20.0	29.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	
8	6.0	22.0	0.0	0.0	20.0	9.0	0.0	0.0	26.0	2.0	0.0	0.0	
9	3.0	0.0	25.0	24.0	0.0	11.0	0.0	8.0	3.0	5.0	0.0	0.0	
10	0.0	0.0	0.0	4.0	6.0	0.0	0.0	3.0	24.0	0.0	5.0	0.0	
11	0.0	0.0	0.0	19.0	53.0	5.0	2.0	9.0	0.0	8.0	0.0	11.0	
12	0.0	1.0	0.0	0.0	2.0	22.0	0.0	6.0	0.0	0.0	0.0	0.0	
13	3.0	0.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	
14	0.0	0.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	
15	4.0	5.0	18.0	0.0	23.0	0.0	0.0	12.0	28.0	32.0	0.0	19.0	
16	0.0	3.0	32.0	0.0	0.0	6.0	11.0	6.0	0.0	0.0	35.0	7.0	
17	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	40.0	
18	3.0	24.0	29.0	0.0	0.0	0.0	3.0	0.0	0.0	4.0	10.0	50.0	
19	0.0	3.0	0.0	0.0	17.0	3.0	0.0	26.0	4.0	0.0	17.0	40.0	
20	0.0	41.0	4.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	5.0	30.0	
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	5.0	
22	9.0	24.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	15.0	
23	5.0	25.0	0.0	21.0	2.0	0.0	0.0	0.0	34.0	6.0	0.0	10.0	
24	0.0	2.0	0.0	21.0	1.0	28.0	0.0	2.0	0.0	0.0	5.0	0.0	
25	29.0	22.0	0.0	18.0	0.0	30.0	2.0	7.0	10.0	0.0	35.0	0.0	
26	4.0	28.0	0.0	1.0	0.0	41.0	0.0	2.0	2.0	32.0	30.0	0.0	
27	0.0	7.0	20.0	4.0	0.0	1.0	0.0	0.0	8.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	41.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
29	25.0		1.0	9.0	0.0	13.0	0.0	0.0	4.0	7.0	4.0	0.0	
30	0.0		2.0	8.0	6.0	4.0	16.0	0.0	0.0	0.0	4.0	0.0	
31	7.0		7.0		0.0		0.0	3.0		0.0		60.0	
Total	209.0	300.0	182.0	237.0	210.0	263.0	46.0	155.0	222.0	150.0	254.0	391.0	Anual 2619.0
Días Ll.	17	20	13	17	16	18	8	14	14	13	17	17	

Estación : HOGAR JUVENIL
Año : 1999

Dpto. : CALDAS
Mpio. : PENSILVANIA

Latitud : 5 ° 30 'N
Longitud : 75 ° 11 'W
Altitud : 1500 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	7.0	60.0	5.0	4.0	83.0	25.0	4.0	0.0	10.0	7.0	3.0	3.0	
2	14.0	39.0	8.0	8.0	12.0	0.0	13.0	0.0	6.0	0.0	23.0	30.0	
3	17.0	24.0	0.0	0.0	35.0	24.0	22.0	0.0	5.0	3.0	12.0	86.0	
4	71.0	3.0	74.0	50.0	12.0	40.0	0.0	0.0	55.0	50.0	38.0	19.0	
5	19.0	33.0	5.0	0.0	13.0	22.0	15.0	39.0	3.0	3.0	31.0	26.0	
6	0.0	72.0	0.0	5.0	32.0	13.0	0.0	45.0	0.0	5.0	0.0	49.0	
7	133.0	25.0	23.0	93.0	38.0	17.0	10.0	0.0	61.0	18.0	30.0	81.0	
8	102.0	0.0	3.0	21.0	1.0	49.0	24.0	0.0	4.0	0.0	0.0	24.0	
9	40.0	0.0	23.0	4.0	47.0	20.0	0.0	0.0	32.0	44.0	39.0	5.0	
10	3.0	3.0	7.0	11.0	8.0	0.0	0.0	0.0	15.0	50.0	97.0	27.0	
11	58.0	5.0	14.0	8.0	9.0	50.0	0.0	0.0	40.0	10.0	0.0	28.0	
12	5.0	40.0	7.0	42.0	117.0	20.0	13.0	0.0	7.0	0.0	13.0	65.0	
13	17.0	10.0	7.0	4.0	13.0	10.0	0.0	19.0	12.0	0.0	14.0	17.0	
14	0.0	32.0	9.0	12.0	1.0	30.0	0.0	5.0	5.0	8.0	4.0	81.0	
15	0.0	10.0	57.0	0.0	0.0	0.0	0.0	0.0	3.0	65.0	0.0	28.0	
16	24.0	0.0	30.0	0.0	25.0	8.0	3.0	0.0	120.0	75.0	60.0	58.0	
17	1.0	35.0	5.0	0.0	0.0	22.0	20.0	0.0	0.0	30.0	73.0	35.0	
18	4.0	5.0	7.0	0.0	28.0	16.0	0.0	0.0	0.0	81.0	28.0	28.0	
19	3.0	26.0	25.0	0.0	0.0	9.0	17.0	0.0	25.0	18.0	20.0	26.0	
20	10.0	2.0	5.0	0.0	0.0	19.0	5.0	22.0	16.0	20.0	30.0	67.0	
21	27.0	47.0	33.0	0.0	13.0	5.0	0.0	17.0	5.0	58.0	3.0	31.0	
22	0.0	0.0	19.0	0.0	27.0	5.0	0.0	0.0	51.0	60.0	10.0	5.0	
23	31.0	25.0	10.0	0.0	7.0	0.0	17.0	17.0	0.0	72.0	30.0	22.0	
24	28.0	45.0	2.0	47.0	3.0	0.0	2.0	3.0	5.0	60.0	17.0	17.0	
25	7.0	49.0	0.0	15.0	0.0	48.0	0.0	10.0	10.0	23.0	2.0	0.0	
26	11.0	41.0	0.0	85.0	0.0	85.0	0.0	47.0	37.0	0.0	41.0	11.0	
27	74.0	8.0	10.0	3.0	0.0	65.0	0.0	47.0	16.0	50.0	22.0	5.0	
28	43.0	60.0	47.0	6.0	26.0	35.0	33.0	0.0	15.0	29.0	4.0	20.0	
29	19.0		15.0	22.0	38.0	30.0	0.0	3.0	25.0	27.0	30.0	6.0	
30	7.0		26.0	9.0	40.0	25.0	4.0	0.0	20.0	5.0	0.0	1.0	
31	5.0		17.0		34.0		0.0	0.0		0.0		4.0	
Total	780.0	699.0	493.0	449.0	662.0	692.0	202.0	274.0	603.0	871.0	674.0	905.0	Anual 7304.0
Días Ll.	27	24	27	19	24	25	15	12	26	25	25	30	

Estación : LA ARGENTINA
Año : 1999

Dpto. : CALDAS
Mpio. : RIOSUCIO

Latitud : 5 ° 28 'N
Longitud : 75 ° 42 'W
Altitud : 1420 m

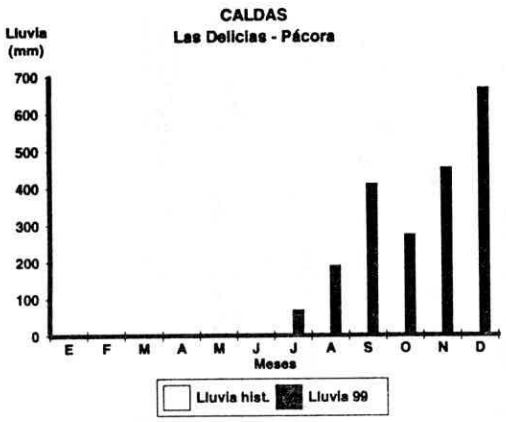
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	3.0	8.0	4.0	2.0	3.0	2.0	4.0	0.0	15.0	1.0	8.0	17.0	
2	32.0	2.0	0.0	20.0	5.0	0.0	25.0	4.0	4.0	2.0	17.0	11.0	
3	2.0	30.0	0.0	0.0	34.0	3.0	3.0	5.0	0.0	8.0	6.0	7.0	
4	53.0	5.0	11.0	2.0	6.0	26.0	0.0	10.0	19.0	4.0	36.0	8.0	
5	2.0	25.0	9.0	4.0	3.0	10.0	0.0	6.0	0.0	19.0	6.0	1.0	
6	0.0	10.0	0.0	0.0	10.0	24.0	2.0	42.0	0.0	15.0	14.0	5.0	
7	0.0	1.0	0.0	27.0	5.0	19.0	2.0	0.0	22.0	2.0	2.0	2.0	
8	31.0	0.0	0.0	40.0	19.0	56.0	4.0	0.0	14.0	2.0	19.0	10.0	
9	12.0	45.0	0.0	23.0	30.0	7.0	0.0	0.0	42.0	3.0	5.0	15.0	
10	4.0	3.0	18.0	14.0	4.0	45.0	0.0	0.0	2.0	3.0	3.0	1.0	
11	15.0	2.0	0.0	47.0	7.0	2.0	12.0	0.0	14.0	1.0	3.0	10.0	
12	0.0	3.0	2.0	42.0	31.0	1.0	0.0	1.0	5.0	0.0	35.0	24.0	
13	0.0	21.0	0.0	2.0	9.0	20.0	0.0	13.0	14.0	0.0	5.0	26.0	
14	2.0	13.0	13.0	24.0	4.0	0.0	0.0	11.0	2.0	11.0	0.0	27.0	
15	0.0	3.0	12.0	2.0	0.0	6.0	1.0	1.0	0.0	21.0	0.0	29.0	
16	2.0	17.0	22.0	0.0	6.0	7.0	0.0	1.0	20.0	0.0	6.0	10.0	
17	0.0	9.0	15.0	0.0	0.0	12.0	30.0	9.0	2.0	0.0	13.0	39.0	
18	0.0	27.0	5.0	0.0	0.0	3.0	0.0	0.0	1.0	36.0	11.0	34.0	
19	12.0	26.0	5.0	0.0	2.0	0.0	8.0	0.0	4.0	0.0	10.0	22.0	
20	11.0	2.0	9.0	0.0	12.0	7.0	0.0	16.0	0.0	2.0	12.0	8.0	
21	21.0	40.0	3.0	0.0	0.0	6.0	0.0	4.0	31.0	4.0	33.0	2.0	
22	5.0	12.0	0.0	0.0	0.0	0.0	0.0	5.0	2.0	43.0	17.0	19.0	
23	10.0	12.0	0.0	6.0	0.0	1.0	2.0	2.0	2.0	3.0	32.0	22.0	
24	8.0	37.0	0.0	32.0	0.0	3.0	0.0	0.0	8.0	20.0	25.0	25.0	
25	0.0	1.0	0.0	2.0	6.0	11.0	0.0	5.0	22.0	4.0	32.0	0.0	
26	6.0	48.0	3.0	19.0	0.0	17.0	0.0	13.0	24.0	10.0	7.0	0.0	
27	11.0	17.0	1.0	3.0	0.0	34.0	0.0	3.0	47.0	8.0	0.0	0.0	
28	4.0	39.0	19.0	2.0	0.0	3.0	0.0	2.0	34.0	28.0	0.0	0.0	
29	0.0		7.0	7.0	8.0	1.0	0.0	0.0	2.0	22.0	5.0	0.0	
30	7.0		5.0	11.0	1.0	4.0	5.0	0.0	12.0	7.0	36.0	0.0	
31	3.0		0.0		2.0		2.0	8.0		0.0		13.0	
Total	256.0	458.0	163.0	331.0	207.0	330.0	100.0	161.0	364.0	279.0	398.0	387.0	Anual 3434.0
Días Ll.	22	27	18	21	21	26	13	20	25	25	26	25	

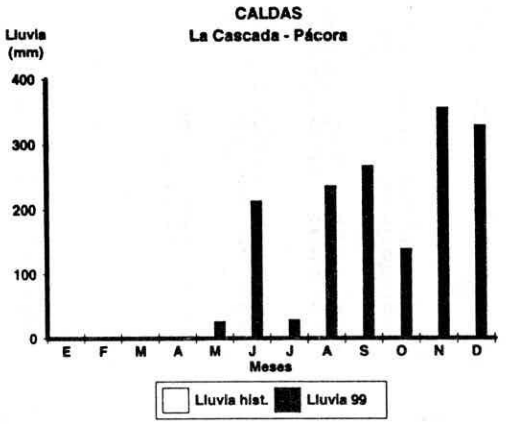
Estación : VILLARAZ
Año : 1999

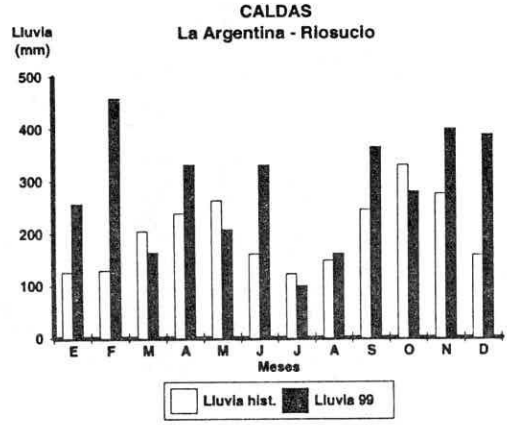
Dpto. : CALDAS
Mpio. : PENSILVANIA

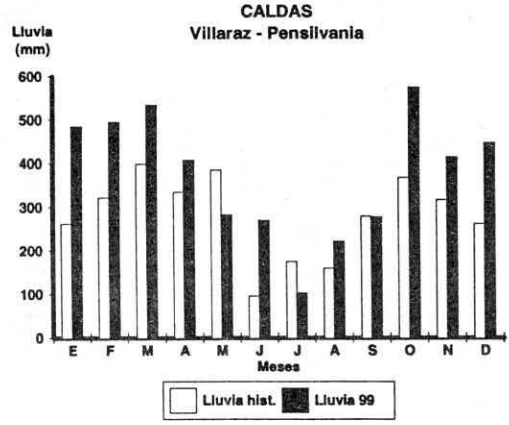
Latitud : 5 ° 23 'N
Longitud : 75 ° 4 'W
Altitud : 1670 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	3.0	18.0	4.0	45.0	61.0	0.0	4.0	0.0	18.0	0.0	19.0	3.0	
2	14.0	16.0	2.0	0.0	20.0	0.0	5.0	0.0	0.0	17.0	3.0	11.0	
3	7.0	2.0	48.0	17.0	10.0	0.0	9.0	48.0	0.0	39.0	0.0	0.0	
4	2.0	4.0	30.0	0.0	0.0	0.0	0.0	0.0	10.0	16.0	74.0	44.0	
5	11.0	15.0	7.0	0.0	17.0	0.0	0.0	7.0	13.0	23.0	0.0	22.0	
6	5.0	70.0	73.0	0.0	59.0	56.0	0.0	0.0	58.0	8.0	25.0	6.0	
7	4.0	13.0	18.0	7.0	0.0	24.0	0.0	0.0	12.0	56.0	0.0	0.0	
8	12.0	0.0	11.0	0.0	8.0	0.0	0.0	0.0	0.0	10.0	0.0	2.0	
9	16.0	8.0	20.0	6.0	4.0	21.0	0.0	2.0	0.0	0.0	48.0	31.0	
10	34.0	5.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	34.0	0.0	0.0	
11	18.0	0.0	0.0	39.0	16.0	0.0	0.0	11.0	3.0	0.0	15.0	0.0	
12	3.0	0.0	10.0	41.0	33.0	0.0	0.0	0.0	2.0	0.0	12.0	0.0	
13	0.0	6.0	0.0	26.0	11.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	
14	0.0	2.0	15.0	42.0	0.0	14.0	0.0	0.0	0.0	0.0	35.0	25.0	
15	0.0	3.0	9.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	14.0	33.0	
16	0.0	0.0	18.0	0.0	0.0	8.0	0.0	0.0	0.0	38.0	0.0	56.0	
17	0.0	10.0	49.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	56.0	0.0	
18	28.0	4.0	10.0	0.0	19.0	0.0	0.0	0.0	27.0	0.0	0.0	11.0	
19	11.0	7.0	7.0	0.0	0.0	9.0	0.0	54.0	19.0	39.0	7.0	29.0	
20	2.0	12.0	102.0	0.0	0.0	4.0	0.0	3.0	6.0	31.0	12.0	14.0	
21	0.0	15.0	6.0	0.0	0.0	7.0	0.0	5.0	0.0	0.0	0.0	45.0	
22	18.0	16.0	2.0	0.0	0.0	0.0	28.0	0.0	0.0	5.0	4.0	0.0	
23	14.0	20.0	15.0	0.0	0.0	37.0	35.0	0.0	14.0	0.0	10.0	7.0	
24	11.0	49.0	7.0	28.0	0.0	18.0	16.0	8.0	32.0	37.0	34.0	3.0	
25	7.0	39.0	0.0	20.0	0.0	15.0	0.0	14.0	0.0	0.0	23.0	21.0	
26	121.0	16.0	4.0	50.0	0.0	0.0	2.0	22.0	0.0	45.0	6.0	47.0	
27	98.0	20.0	0.0	0.0	0.0	0.0	4.0	0.0	4.0	7.0	8.0	0.0	
28	30.0	125.0	0.0	0.0	0.0	12.0	0.0	0.0	17.0	19.0	0.0	23.0	
29	0.0		62.0	79.0	13.0	0.0	0.0	30.0	0.0	94.0	0.0	12.0	
30	12.0		2.0	8.0	12.0	0.0	0.0	13.0	43.0	24.0	9.0	0.0	
31	4.0		3.0		0.0		0.0	1.0		0.0		2.0	
Total	485.0	495.0	534.0	408.0	283.0	270.0	103.0	222.0	278.0	574.0	414.0	447.0	Anual 4513.0
Días Ll.	24	24	25	13	13	14	8	14	15	19	19	21	


CALDAS
Las Delicias - Pácora
Lluvia (mm)
700
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
La Cascada - Pácora
Lluvia (mm)
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
La Argentina - Riosucio
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
Villaraz - Pensilvania
Lluvia (mm)
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : ENCIMADAS
Año : 1999

Dpto. : CALDAS
Mpio. : SALAMINA

Latitud : 5 ° 23 'N
Longitud : 75 ° 28 'W
Altitud : 1850 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1							7.0	0.0	8.0	0.0	13.0	15.0	
2							4.0	1.0	7.0	0.0	10.0	1.0	
3							0.0	0.0	2.0	11.0	2.0	6.0	
4							0.0	0.0	3.0	10.0	17.0	20.0	
5							0.0	3.0	2.0	12.0	0.0	2.0	
6							0.0	29.0	0.0	9.0	12.0	0.0	
7							2.0	0.0	22.0	0.0	3.0	3.0	
8							1.0	1.0	4.0	0.0	3.0	2.0	
9							0.0	0.0	6.0	3.0	0.0	0.0	
10							0.0	0.0	9.0	23.0	12.0	0.0	
11							0.0	0.0	14.0	0.0	0.0	3.0	
12							0.0	4.0	3.0	3.0	5.0	15.0	
13							0.0	13.0	16.0	0.0	22.0	4.0	
14							0.0	10.0	0.0	0.0	15.0	5.0	
15							0.0	0.0	0.0	20.0	0.0	10.0	
16							0.0	0.0	12.0	0.0	22.0	25.0	
17							0.0	7.0	0.0	0.0	34.0	4.0	
18							1.0	0.0	0.0	20.0	12.0	15.0	
19							3.0	0.0	0.0	3.0	5.0	7.0	
20							1.0	11.0	0.0	10.0	8.0	8.0	
21							0.0	3.0	7.0	4.0	7.0	6.0	
22							0.0	0.0	2.0	24.0	0.0	8.0	
23							3.0	10.0	15.0	3.0	28.0	5.0	
24							1.0	0.0	17.0	10.0	45.0	33.0	
25							0.0	7.0	11.0	12.0	2.0	0.0	
26							0.0	11.0	25.0	33.0	0.0	0.0	
27							0.0	11.0	12.0	15.0	0.0	8.0	
28							0.0	4.0	9.0	25.0	0.0	0.0	
29							0.0	0.0	0.0	57.0	0.0	0.0	
30							3.0	0.0	2.0	0.0	34.0	0.0	
31							6.0	0.0		0.0		8.0	
Total							32.0	125.0	208.0	307.0	311.0	213.0	Anual
Días LI.							11	15	22	20	21	23	

Estación : LA MANUELITA
Año : 1999

Dpto. : CALDAS
Mpio. : RIOSUCIO

Latitud : 5 ° 22 'N
Longitud : 75 ° 41 'W
Altitud : 1460 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	80.0	1.0	0.0	0.0	16.0	0.0	0.0	11.0	4.0	0.0	
2	3.0	25.0	2.0	2.0	9.0	0.0	55.0	7.0	0.0	21.0	7.0	0.0	
3	6.0	15.0	0.0	28.0	11.0	0.0	0.0	24.0	0.0	16.0	0.0	0.0	
4	2.0	5.0	5.0	0.0	14.0	0.0	8.0	0.0	0.0	33.0	0.0	0.0	
5	0.0	9.0	0.0	31.0	3.0	0.0	3.0	16.0	10.0	0.0	8.0	0.0	
6	0.0	7.0	0.0	41.0	16.0	10.0	0.0	0.0	0.0	0.0	10.0	0.0	
7	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.0	16.0	3.0	
8	0.0	19.0	0.0	14.0	0.0	0.0	0.0	0.0	55.0	0.0	0.0	0.0	
9	15.0	49.0	0.0	11.0	0.0	30.0	0.0	10.0	0.0	0.0	0.0	8.0	
10	0.0	0.0	0.0	10.0	15.0	11.0	50.0	7.0	0.0	11.0	0.0	0.0	
11	10.0	0.0	18.0	9.0	0.0	8.0	10.0	0.0	0.0	12.0	15.0	0.0	
12	0.0	0.0	9.0	8.0	0.0	4.0	20.0	0.0	0.0	0.0	16.0	16.0	
13	0.0	40.0	0.0	0.0	6.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	
14	0.0	63.0	10.0	0.0	30.0	0.0	17.0	0.0	4.0	0.0	14.0	0.0	
15	3.0	31.0	0.0	0.0	0.0	15.0	0.0	2.0	2.0	16.0	0.0	30.0	
16	0.0	22.0	35.0	0.0	0.0	0.0	0.0	19.0	8.0	2.0	0.0	0.0	
17	0.0	11.0	40.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	0.0	1.0	
18	0.0	8.0	0.0	0.0	40.0	0.0	18.0	31.0	8.0	15.0	0.0	0.0	
19	7.0	6.0	0.0	0.0	0.0	0.0	24.0	0.0	0.0	21.0	0.0	15.0	
20	22.0	3.0	0.0	0.0	0.0	3.0	5.0	0.0	2.0	24.0	2.0	16.0	
21	27.0	14.0	37.0	0.0	20.0	2.0	3.0	0.0	14.0	3.0	3.0	0.0	
22	0.0	5.0	50.0	0.0	0.0	0.0	0.0	0.0	26.0	1.0	2.0	0.0	
23	30.0	7.0	12.0	80.0	0.0	16.0	0.0	11.0	3.0	6.0	0.0	39.0	
24	14.0	30.0	0.0	11.0	50.0	48.0	0.0	18.0	2.0	0.0	8.0	16.0	
25	60.0	20.0	10.0	3.0	0.0	31.0	90.0	3.0	0.0	0.0	15.0	0.0	
26	0.0	50.0	8.0	14.0	0.0	14.0	4.0	14.0	55.0	40.0	16.0	0.0	
27	50.0	0.0	9.0	0.0	16.0	0.0	15.0	31.0	60.0	0.0	0.0	28.0	
28	4.0	70.0	3.0	2.0	0.0	8.0	8.0	29.0	8.0	17.0	0.0	0.0	
29	66.0		30.0	3.0	0.0	18.0	7.0	0.0	11.0	21.0	0.0	31.0	
30	81.0		2.0	2.0	0.0	2.0	0.0	0.0	4.0	4.0	0.0	10.0	
31	5.0		4.0		0.0		0.0	0.0		2.0		1.0	
Total	419.0	509.0	364.0	270.0	230.0	220.0	355.0	222.0	277.0	338.0	136.0	214.0	Anual 3554.0
Días LI.	18	22	18	17	12	15	18	14	17	21	14	13	

Estación : LA GAVIOTA
Año : 1999

Dpto. : CALDAS
Mpio. : SALAMINA

Latitud : 5 ° 22 'N
Longitud : 75 ° 29 'W
Altitud : 1772 m

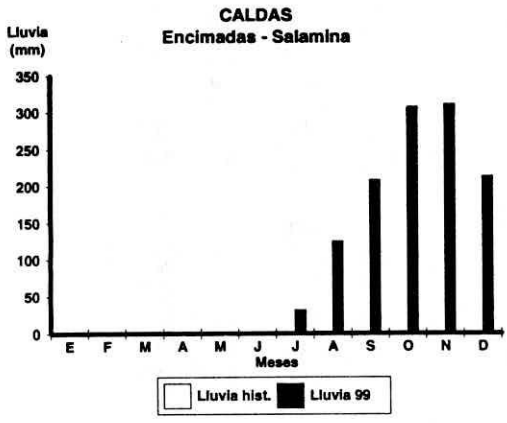
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1							0.0	0.0	11.0	18.0	0.0	4.0	
2							0.0	0.0	0.0	31.0	23.0	17.0	
3							0.0	0.0	0.0	8.0	24.0	0.0	
4							0.0	0.0	3.0	10.0	19.0	0.0	
5							3.0	3.0	0.0	15.0	8.0	0.0	
6							0.0	0.0	0.0	12.0	15.0	3.0	
7							0.0	2.0	20.0	4.0	4.0	0.0	
8							0.0	28.0	0.0	0.0	3.0	0.0	
9							0.0	0.0	32.0	0.0	34.0	5.0	
10							0.0	0.0	0.0	20.0	0.0	0.0	
11							0.0	0.0	0.0	11.0	13.0	14.0	
12							0.0	0.0	4.0	7.0	15.0	9.0	
13							0.0	8.0	0.0	0.0	17.0	20.0	
14							0.0	15.0	28.0	0.0	10.0	0.0	
15							0.0	0.0	10.0	18.0	0.0	0.0	
16							0.0	0.0	0.0	0.0	23.0	0.0	
17							3.0	0.0	20.0	20.0	29.0	4.0	
18							0.0	0.0	30.0	30.0	0.0	10.0	
19							7.0	0.0	18.0	33.0	10.0	0.0	
20							10.0	33.0	23.0	14.0	30.0	0.0	
21							0.0	0.0	6.0	23.0	10.0	3.0	
22							0.0	0.0	50.0	19.0	0.0	15.0	
23							0.0	0.0	15.0	0.0	30.0	27.0	
24							0.0	4.0	21.0	0.0	18.0	23.0	
25							0.0	0.0	4.0	9.0	14.0	4.0	
26							0.0	21.0	13.0	20.0	21.0	0.0	
27							0.0	0.0	18.0	33.0	30.0	17.0	
28							0.0	0.0	27.0	28.0	0.0	30.0	
29							0.0	0.0	12.0	35.0	0.0	8.0	
30							4.0	0.0	24.0	0.0	8.0	3.0	
31							32.0	0.0		0.0		20.0	
Total							59.0	114.0	389.0	418.0	408.0	236.0	Anual
Días Ll.							6	8	21	22	23	19	

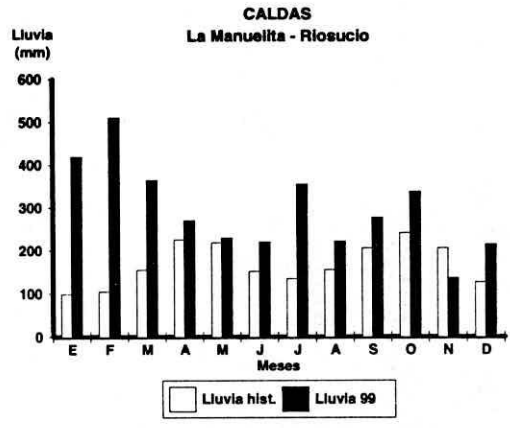
Estación : CUBA
Año : 1999

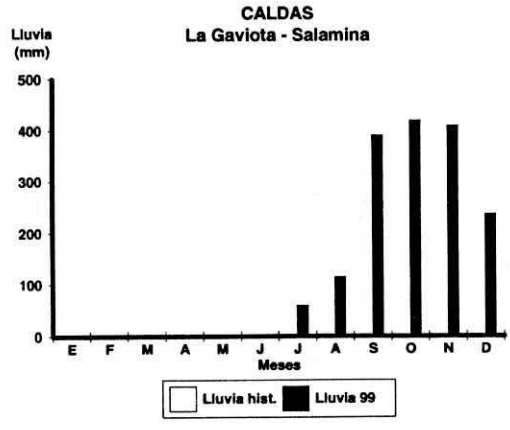
Dpto. : CALDAS
Mpio. : VICTORIA

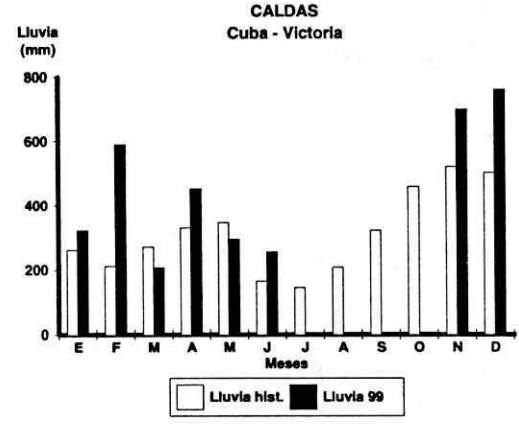
Latitud : 5 ° 20 'N
Longitud : 74 ° 56 'W
Altitud : 1000 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	8.0	1.0	7.0	52.0	23.0	0.0					16.0	7.0	
2	0.0	27.0	0.0	4.0	53.0	0.0					25.0	9.0	
3	34.0	12.0	0.0	30.0	44.0	0.0					12.0	5.0	
4	4.0	4.0	0.0	0.0	11.0	3.0					3.0	3.0	
5	0.0	2.0	1.0	0.0	10.0	0.0					15.0	11.0	
6	0.0	46.0	2.0	89.0	23.0	0.0					49.0	56.0	
7	0.0	0.0	13.0	31.0	0.0	0.0					72.0	30.0	
8	9.0	34.0	0.0	9.0	0.0	4.0					0.0	22.0	
9	18.0	0.0	17.0	0.0	21.0	5.0					3.0	14.0	
10	4.0	0.0	16.0	0.0	2.0	0.0					20.0	35.0	
11	27.0	0.0	0.0	1.0	9.0	12.0					24.0	0.0	
12	4.0	65.0	0.0	14.0	13.0	8.0					12.0	89.0	
13	27.0	23.0	0.0	0.0	12.0	0.0					11.0	2.0	
14	13.0	60.0	0.0	0.0	10.0	2.0					22.0	68.0	
15	14.0	3.0	5.0	0.0	0.0	0.0					78.0	77.0	
16	0.0	0.0	21.0	0.0	0.0	14.0					18.0	13.0	
17	0.0	17.0	43.0	0.0	15.0	3.0					4.0	44.0	
18	8.0	2.0	0.0	0.0	14.0	0.0					35.0	27.0	
19	8.0	29.0	61.0	0.0	0.0	2.0					19.0	45.0	
20	27.0	1.0	18.0	0.0	0.0	2.0					105.0	17.0	
21	0.0	72.0	0.0	0.0	9.0	0.0					0.0	47.0	
22	0.0	17.0	1.0	0.0	0.0	0.0					0.0	0.0	
23	0.0	78.0	2.0	0.0	0.0	0.0					7.0	0.0	
24	3.0	6.0	0.0	60.0	0.0	43.0					126.0	99.0	
25	8.0	41.0	0.0	64.0	12.0	0.0					1.0	0.0	
26	7.0	18.0	0.0	51.0	14.0	41.0					0.0	28.0	
27	22.0	31.0	0.0	0.0	0.0	60.0					0.0	0.0	
28	0.0	0.0	0.0	0.0	0.0	57.0					1.0	12.0	
29	0.0		0.0	34.0	0.0	0.0					2.0	0.0	
30	26.0		0.0	12.0	0.0	0.0					19.0	0.0	
31	51.0		0.0		0.0							0.0	
Total	322.0	589.0	207.0	451.0	295.0	256.0					699.0	760.0	Anual
Días Ll.	20	22	13	13	17	14					25	23	


CALDAS
Encimadas - Salamina
Lluvia (mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
La Manuelita - Riosucio
Lluvia (mm)
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
La Gaviota - Salamina
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
Cuba - Victoria
Lluvia (mm)
800
600
400
200
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : LA PASTORITA
Año : 1999

Dpto. CALDAS
Mpio. VICTORIA

Latitud 5 ° 19 'N
Longitud : 74 ° 57 'W
Altitud : 1100 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	13.0	50.0	0.0	15.0	90.0	0.0	10.0	0.0	0.0	0.0	8.0	8.0	
2	30.0	50.0	40.0	0.0	20.0	20.0	15.0	0.0	15.0	0.0	7.0	14.0	
3	5.0	25.0	0.0	26.0	9.0	10.0	0.0	0.0	0.0	0.0	6.0	12.0	
4	13.0	30.0	23.0	5.0	0.0	15.0	5.0	60.0	25.0	21.0	0.0	9.0	
5	21.0	0.0	20.0	0.0	5.0	20.0	0.0	0.0	0.0	18.0	19.0	4.0	
6	6.0	0.0	0.0	45.0	0.0	5.0	0.0	0.0	0.0	13.0	10.0	6.0	
7	0.0	20.0	0.0	0.0	70.0	15.0	0.0	0.0	0.0	60.0	10.0	7.0	
8	25.0	0.0	0.0	10.0	20.0	15.0	0.0	59.0	0.0	6.0	0.0	3.0	
9	0.0	5.0	40.0	10.0	15.0	20.0	0.0	0.0	0.0	0.0	14.0	0.0	
10	15.0	35.0	0.0	0.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	
11	20.0	0.0	0.0	0.0	35.0	15.0	0.0	0.0	0.0	0.0	9.0	10.0	
12	0.0	50.0	0.0	5.0	0.0	5.0	0.0	0.0	0.0	0.0	10.0	42.0	
13	0.0	10.0	0.0	80.0	0.0	15.0	0.0	0.0	0.0	0.0	25.0	40.0	
14	25.0	25.0	42.0	30.0	0.0	20.0	18.0	0.0	0.0	0.0	14.0	88.0	
15	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	13.0	20.0	
16	0.0	0.0	35.0	0.0	0.0	10.0	0.0	25.0	0.0	0.0	11.0	0.0	
17	11.0	15.0	45.0	0.0	0.0	20.0	0.0	0.0	0.0	35.0	10.0	30.0	
18	26.0	26.0	15.0	0.0	0.0	15.0	0.0	0.0	22.0	42.0	32.0	84.0	
19	15.0	15.0	22.0	0.0	0.0	10.0	0.0	0.0	0.0	31.0	14.0	120.0	
20	16.0	16.0	19.0	0.0	0.0	5.0	0.0	0.0	0.0	28.0	18.0	65.0	
21	14.0	4.0	0.0	0.0	5.0	20.0	0.0	0.0	0.0	19.0	20.0	45.0	
22	15.0	15.0	0.0	5.0	0.0	25.0	0.0	45.0	0.0	33.0	14.0	0.0	
23	12.0	12.0	0.0	70.0	0.0	15.0	0.0	0.0	0.0	9.0	18.0	25.0	
24	10.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0	49.0	18.0	11.0	24.0	
25	50.0	10.0	0.0	10.0	0.0	5.0	0.0	0.0	38.0	10.0	22.0	0.0	
26	3.0	13.0	0.0	0.0	0.0	0.0	0.0	25.0	56.0	14.0	17.0	18.0	
27	5.0	18.0	0.0	30.0	0.0	0.0	10.0	0.0	0.0	45.0	1.0	20.0	
28	60.0	0.0	0.0	30.0	0.0	0.0	0.0	35.0	32.0	9.0	5.0	55.0	
29	0.0		0.0	20.0	0.0	0.0	0.0	0.0	0.0	60.0	4.0	0.0	
30	35.0		20.0	0.0	0.0	0.0	0.0	0.0	12.0	30.0	10.0	0.0	
31	0.0		0.0		10.0		0.0	0.0		0.0		60.0	
Total	445.0	454.0	321.0	401.0	329.0	330.0	58.0	249.0	249.0	501.0	352.0	809.0	Anual 4498.0
Días Ll.	23	21	11	16	11	23	5	6	8	19	27	24	

Estación : LA JULIA
Año : 1999

Dpto. : CALDAS
Mpio. : FILADELFIA

Latitud : 5 ° 18 'N
Longitud : 75 ° 34 'W
Altitud : 1650 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	15.0	36.0	0.0	6.0	0.0	0.0	9.0	15.0	15.0	0.0	3.0	17.0	
2	13.0	16.0	0.0	13.0	3.0	0.0	5.0	5.0	20.0	0.0	17.0	10.0	
3	10.0	17.0	0.0	10.0	9.0	0.0	4.0	2.0	0.0	1.0	14.0	8.0	
4	13.0	5.0	0.0	12.0	3.0	24.0	0.0	6.0	2.0	1.0	7.0	18.0	
5	8.0	7.0	0.0	7.0	5.0	7.0	0.0	0.0	3.0	75.0	7.0	13.0	
6	10.0	20.0	0.0	11.0	32.0	4.0	0.0	24.0	27.0	1.0	19.0	0.0	
7	18.0	24.0	0.0	50.0	3.0	7.0	0.0	0.0	24.0	0.0	3.0	0.0	
8	20.0	19.0	0.0	11.0	0.0	14.0	0.0	2.0	35.0	1.0	3.0	0.0	
9	16.0	14.0	10.0	18.0	32.0	0.0	0.0	0.0	19.0	3.0	9.0	6.0	
10	3.0	5.0	11.0	9.0	9.0	0.0	2.0	0.0	14.0	0.0	30.0	6.0	
11	12.0	3.0	9.0	0.0	6.0	20.0	0.0	3.0	15.0	0.0	0.0	16.0	
12	11.0	10.0	8.0	6.0	16.0	9.0	0.0	0.0	14.0	2.0	13.0	13.0	
13	14.0	12.0	7.0	12.0	19.0	14.0	0.0	1.0	24.0	2.0	0.0	18.0	
14	7.0	8.0	3.0	11.0	0.0	4.0	0.0	9.0	0.0	6.0	13.0	26.0	
15	3.0	3.0	3.0	17.0	9.0	3.0	0.0	0.0	0.0	1.0	1.0	57.0	
16	13.0	10.0	13.0	0.0	0.0	3.0	2.0	0.0	3.0	21.0	31.0	28.0	
17	4.0	12.0	14.0	0.0	0.0	24.0	3.0	21.0	6.0	1.0	11.0	18.0	
18	8.0	7.0	14.0	0.0	0.0	0.0	10.0	0.0	0.0	25.0	10.0	19.0	
19	12.0	20.0	30.0	0.0	0.0	7.0	14.0	0.0	4.0	1.0	3.0	13.0	
20	13.0	9.0	25.0	12.0	6.0	0.0	0.0	0.0	0.0	1.0	1.0	3.0	
21	11.0	24.0	0.0	0.0	0.0	9.0	0.0	0.0	2.0	3.0	7.0	0.0	
22	10.0	5.0	0.0	0.0	8.0	0.0	0.0	0.0	3.0	24.0	4.0	6.0	
23	6.0	10.0	0.0	41.0	0.0	4.0	3.0	0.0	2.0	0.0	6.0	0.0	
24	4.0	30.0	0.0	0.0	0.0	20.0	4.0	4.0	12.0	0.0	15.0	6.0	
25	26.0	0.0	0.0	3.0	3.0	4.0	0.0	9.0	8.0	26.0	7.0	0.0	
26	27.0	10.0	32.0	0.0	0.0	0.0	0.0	0.0	11.0	13.0	13.0	0.0	
27	3.0	10.0	27.0	0.0	0.0	32.0	0.0	0.0	2.0	6.0	0.0	0.0	
28	5.0	3.0	12.0	0.0	4.0	0.0	0.0	0.0	0.0	13.0	0.0	3.0	
29	8.0		5.0	33.0	7.0	2.0	0.0	2.0	0.0	18.0	7.0	8.0	
30	0.0		6.0	6.0	0.0	1.0	5.0	1.0	2.0	2.0	13.0	6.0	
31	18.0		9.0		7.0		8.0	0.0		0.0		0.0	
Total	341.0	349.0	238.0	288.0	181.0	212.0	69.0	104.0	267.0	247.0	267.0	318.0	Anual 2881.0
Días Ll.	30	27	18	19	18	20	12	14	23	23	26	22	

Estación : EL MIRADOR
Año : 1999

Dpto. : CALDAS
Mpio. : FILADELFIA

Latitud : 5 ° 14 'N
Longitud : 75 ° 34 'W
Altitud : 1650 m

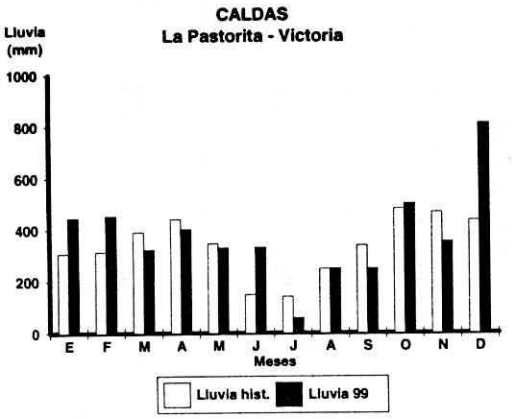
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	12.0	57.0	0.0	0.0	29.0	3.0	7.0	0.0	17.0	3.0	0.0	25.0	
2	31.0	0.0	0.0	39.0	1.0	0.0	3.0	4.0	8.0	0.0	19.0	20.0	
3	4.0	7.0	24.0	0.0	52.0	0.0	11.0	0.0	3.0	0.0	20.0	5.0	
4	13.0	0.0	0.0	11.0	5.0	8.0	2.0	0.0	0.0	3.0	4.0	20.0	
5	10.0	17.0	0.0	0.0	19.0	3.0	0.0	7.0	0.0	36.0	0.0	3.0	
6	0.0	31.0	17.0	7.0	34.0	5.0	2.0	72.0	0.0	0.0	10.0	0.0	
7	0.0	7.0	0.0	37.0	3.0	9.0	4.0	0.0	30.0	5.0	9.0	0.0	
8	0.0	0.0	0.0	20.0	1.0	3.0	0.0	0.0	3.0	0.0	2.0	0.0	
9	9.0	41.0	5.0	0.0	51.0	7.0	0.0	0.0	7.0	11.0	42.0	28.0	
10	1.0	8.0	0.0	10.0	0.0	8.0	0.0	0.0	0.0	8.0	0.0	0.0	
11	0.0	0.0	0.0	3.0	3.0	0.0	0.0	0.0	17.0	0.0	1.0	11.0	
12	0.0	7.0	0.0	37.0	25.0	3.0	0.0	30.0	3.0	7.0	17.0	10.0	
13	0.0	18.0	0.0	3.0	0.0	4.0	0.0	7.0	38.0	0.0	13.0	22.0	
14	0.0	2.0	12.0	7.0	0.0	1.0	0.0	23.0	0.0	0.0	0.0	39.0	
15	0.0	14.0	1.0	0.0	0.0	3.0	3.0	0.0	0.0	22.0	0.0	80.0	
16	0.0	6.0	7.0	0.0	0.0	1.0	0.0	0.0	3.0	0.0	45.0	35.0	
17	0.0	15.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	16.0	30.0	
18	0.0	0.0	10.0	0.0	0.0	3.0	0.0	0.0	20.0	16.0	5.0	16.0	
19	0.0	7.0	0.0	0.0	0.0	4.0	21.0	0.0	2.0	0.0	35.0	13.0	
20	0.0	14.0	11.0	0.0	32.0	0.0	0.0	20.0	3.0	0.0	5.0	3.0	
21	0.0	13.0	0.0	0.0	0.0	8.0	0.0	26.0	35.0	3.0	7.0	3.0	
22	0.0	41.0	0.0	0.0	8.0	4.0	0.0	0.0	11.0	21.0	8.0	7.0	
23	0.0	14.0	3.0	0.0	0.0	0.0	4.0	0.0	12.0	0.0	48.0	29.0	
24	6.0	20.0	0.0	42.0	0.0	4.0	0.0	0.0	15.0	0.0	28.0	28.0	
25	0.0	1.0	0.0	3.0	0.0	3.0	0.0	20.0	11.0	7.0	0.0	0.0	
26	8.0	16.0	1.0	6.0	0.0	15.0	0.0	3.0	8.0	58.0	0.0	0.0	
27	33.0	17.0	0.0	0.0	0.0	36.0	0.0	3.0	8.0	5.0	0.0	0.0	
28	0.0	33.0	0.0	0.0	0.0	4.0	0.0	0.0	7.0	44.0	0.0	0.0	
29	0.0		16.0	23.0	19.0	1.0	3.0	13.0	0.0	35.0	10.0	0.0	
30	0.0		0.0	3.0	0.0	0.0	0.0	0.0	7.0	7.0	1.0	0.0	
31	33.0		0.0		43.0		60.0	0.0		0.0		1.0	
Total	160.0	406.0	139.0	251.0	325.0	140.0	120.0	228.0	268.0	298.0	345.0	428.0	Anual 3108.0
Días Ll.	11	23	12	15	15	23	11	12	22	18	21	21	

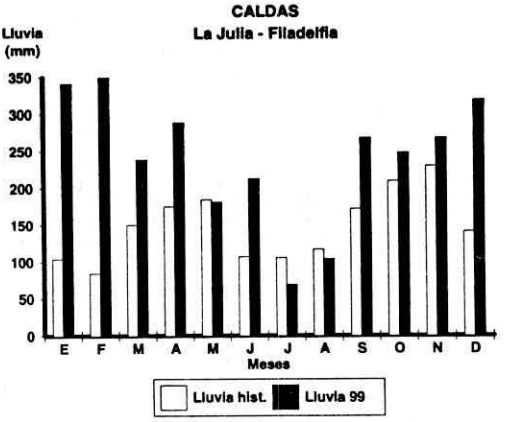
Estación : LA JULIANA
Año : 1999

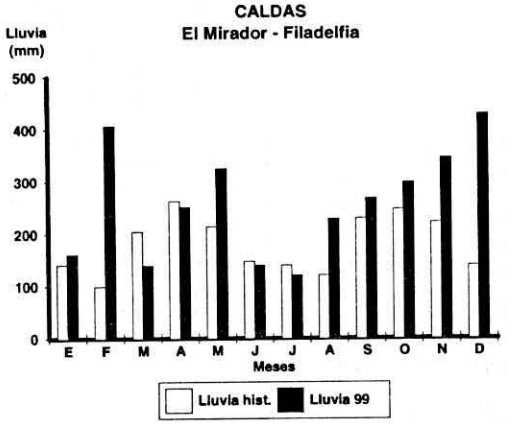
Dpto. : CALDAS
Mpio. : MANIZALES

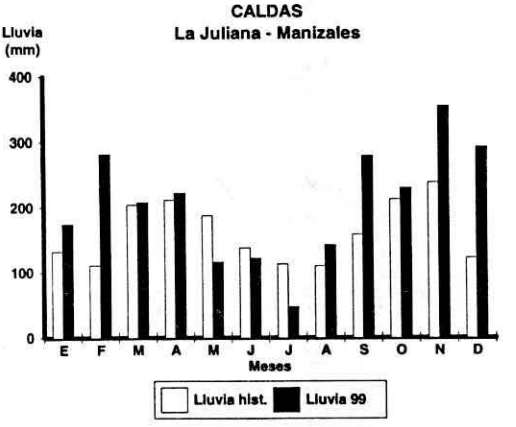
Latitud : 5 ° 9 'N
Longitud : 75 ° 29 'W
Altitud : 1750 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	41.0	1.0	2.0	1.0	3.0	0.0	1.0	14.0	6.0	0.0	23.0	
2	28.0	4.0	0.0	12.0	1.0	0.0	0.0	0.0	1.0	10.0	34.0	28.0	
3	9.0	2.0	0.0	1.0	4.0	2.0	3.0	0.0	7.0	3.0	7.0	3.0	
4	4.0	0.0	0.0	37.0	3.0	5.0	4.0	0.0	2.0	6.0	9.0	14.0	
5	0.0	10.0	0.0	0.0	1.0	3.0	2.0	0.0	0.0	35.0	0.0	13.0	
6	0.0	30.0	0.0	7.0	7.0	6.0	0.0	67.0	3.0	18.0	1.0	9.0	
7	30.0	0.0	0.0	27.0	3.0	23.0	2.0	1.0	12.0	2.0	5.0	0.0	
8	28.0	2.0	0.0	12.0	9.0	18.0	1.0	2.0	1.0	4.0	4.0	0.0	
9	4.0	11.0	26.0	2.0	22.0	4.0	0.0	0.0	14.0	1.0	0.0	0.0	
10	16.0	0.0	13.0	8.0	0.0	0.0	0.0	0.0	3.0	4.0	7.0	0.0	
11	0.0	4.0	0.0	4.0	11.0	5.0	0.0	3.0	41.0	0.0	0.0	6.0	
12	0.0	0.0	0.0	12.0	24.0	7.0	0.0	0.0	4.0	0.0	14.0	17.0	
13	3.0	0.0	0.0	0.0	1.0	1.0	0.0	3.0	26.0	2.0	6.0	0.0	
14	3.0	1.0	1.0	3.0	0.0	4.0	0.0	5.0	1.0	1.0	36.0	42.0	
15	1.0	14.0	2.0	2.0	0.0	2.0	0.0	0.0	1.0	13.0	0.0	8.0	
16	0.0	23.0	6.0	0.0	0.0	0.0	0.0	0.0	4.0	1.0	27.0	7.0	
17	0.0	31.0	18.0	0.0	0.0	0.0	2.0	0.0	3.0	4.0	26.0	4.0	
18	0.0	10.0	12.0	0.0	1.0	0.0	0.0	0.0	0.0	13.0	8.0	16.0	
19	0.0	8.0	22.0	0.0	4.0	0.0	8.0	0.0	0.0	0.0	20.0	0.0	
20	0.0	1.0	25.0	0.0	8.0	0.0	0.0	10.0	4.0	5.0	13.0	1.0	
21	0.0	36.0	6.0	0.0	3.0	3.0	0.0	23.0	9.0	2.0	33.0	37.0	
22	0.0	2.0	2.0	0.0	0.0	0.0	0.0	3.0	5.0	26.0	4.0	19.0	
23	0.0	4.0	4.0	0.0	0.0	0.0	7.0	4.0	3.0	1.0	12.0	10.0	
24	3.0	17.0	17.0	41.0	0.0	2.0	0.0	0.0	26.0	1.0	28.0	30.0	
25	0.0	0.0	0.0	22.0	0.0	0.0	0.0	7.0	36.0	3.0	8.0	0.0	
26	3.0	6.0	6.0	10.0	0.0	12.0	0.0	3.0	10.0	39.0	2.0	0.0	
27	34.0	8.0	8.0	3.0	0.0	14.0	0.0	8.0	15.0	4.0	0.0	0.0	
28	6.0	16.0	10.0	2.0	0.0	4.0	0.0	2.0	12.0	7.0	0.0	0.0	
29	0.0		1.0	15.0	10.0	3.0	4.0	0.0	14.0	14.0	18.0	0.0	
30	2.0		4.0	0.0	3.0	0.0	1.0	0.0	7.0	4.0	32.0	0.0	
31	0.0		23.0		0.0		13.0	0.0		0.0		5.0	
Total	174.0	281.0	207.0	222.0	116.0	121.0	47.0	142.0	278.0	229.0	354.0	292.0	Anual 2463.0
Días Ll.	15	22	20	19	18	19	11	15	27	27	23	19	


CALDAS
La Pastorita - Victoria
Lluvia (mm)
1000
800
600
400
200
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
La Julia - Filadelfia
Lluvia (mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
El Mirador - Filadelfia
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
La Juliana - Manizales
Lluvia (mm)
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : LA SELVA
Año : 1999

Dpto. : CALDAS
Mpio. : MANIZALES

Latitud : 5 ° 7 'N
Longitud : 75 ° 36 'W
Altitud : 1350 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	7.0	7.0	0.0	0.0	0.0	0.0	1.0	0.0	43.0	3.0	0.0	20.0	
2	2.0	0.0	0.0	43.0	0.0	0.0	5.0	7.0	5.0	0.0	35.0	0.0	
3	6.0	0.0	0.0	0.0	12.0	0.0	0.0	6.0	0.0	0.0	15.0	11.0	
4	6.0	3.0	0.0	9.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	81.0	
5	5.0	27.0	0.0	10.0	12.0	0.0	0.0	0.0	0.0	67.0	0.0	0.0	
6	0.0	25.0	0.0	0.0	31.0	0.0	0.0	62.0	0.0	19.0	41.0	12.0	
7	6.0	4.0	0.0	10.0	45.0	15.0	0.0	10.0	20.0	0.0	3.0	4.0	
8	3.0	8.0	3.0	49.0	0.0	0.0	3.0	3.0	0.0	0.0	22.0	15.0	
9	15.0	17.0	0.0	0.0	0.0	0.0	1.0	0.0	14.0	20.0	35.0	0.0	
10	7.0	0.0	0.0	41.0	41.0	0.0	0.0	0.0	0.0	52.0	64.0	8.0	
11	0.0	12.0	0.0	7.0	15.0	15.0	0.0	0.0	23.0	0.0	0.0	28.0	
12	0.0	0.0	19.0	4.0	21.0	0.0	0.0	8.0	10.0	0.0	37.0	60.0	
13	0.0	7.0	0.0	0.0	0.0	5.0	0.0	11.0	20.0	0.0	8.0	13.0	
14	24.0	12.0	30.0	21.0	0.0	3.0	0.0	45.0	0.0	4.0	5.0	28.0	
15	0.0	0.0	0.0	0.0	0.0	4.0	3.0	0.0	0.0	15.0	0.0	47.0	
16	0.0	19.0	26.0	0.0	5.0	8.0	0.0	5.0	22.0	0.0	10.0	9.0	
17	0.0	10.0	25.0	0.0	0.0	15.0	2.0	0.0	0.0	3.0	19.0	19.0	
18	0.0	5.0	2.0	0.0	12.0	5.0	0.0	0.0	0.0	11.0	0.0	32.0	
19	18.0	22.0	24.0	0.0	0.0	0.0	2.0	0.0	3.0	0.0	22.0	5.0	
20	0.0	0.0	0.0	0.0	4.0	0.0	1.0	5.0	0.0	0.0	13.0	15.0	
21	6.0	38.0	0.0	0.0	0.0	0.0	0.0	7.0	12.0	0.0	5.0	0.0	
22	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	7.0	0.0	
23	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	14.0	
24	8.0	23.0	0.0	23.0	0.0	14.0	0.0	0.0	5.0	10.0	3.0	15.0	
25	0.0	0.0	0.0	11.0	0.0	3.0	0.0	5.0	23.0	0.0	0.0	0.0	
26	0.0	8.0	0.0	4.0	0.0	25.0	0.0	5.0	45.0	45.0	0.0	0.0	
27	30.0	3.0	2.0	5.0	0.0	27.0	9.0	3.0	23.0	5.0	0.0	0.0	
28	3.0	17.0	18.0	0.0	0.0	0.0	0.0	0.0	6.0	10.0	0.0	0.0	
29	0.0		2.0	52.0	70.0	0.0	0.0	0.0	0.0	8.0	27.0	0.0	
30	0.0		21.0	26.0	0.0	0.0	3.0	4.0	7.0	0.0	0.0	0.0	
31	0.0		0.0		2.0		15.0	0.0		0.0		23.0	
Total	146.0	282.0	174.0	315.0	270.0	147.0	45.0	186.0	281.0	297.0	399.0	459.0	Anual 3001.0
Días LI.	15	20	12	15	12	13	11	15	16	15	19	20	

Estación : SANTA TERESA
Año : 1999

Dpto. : CALDAS
Mpio. : MANIZALES

Latitud : 5 ° 7 'N
Longitud : 75 ° 32 'W
Altitud : 1800 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	34.0	.3	0.0	2.2	.4	15.4	0.0	33.0	3.3	0.0	12.6	
2	0.0	1.5	0.0	57.0	3.5	.9	1.2	11.8	5.8	0.0	17.5	3.6	
3	16.0	2.2	.4	1.1	8.0	0.0	.5	0.0	1.5	3.3	3.4	5.3	
4	4.0	.4	2.0	4.6	2.1	8.5	.9	0.0	.4	1.0	3.5	15.7	
5	0.0	30.0	0.0	0.0	1.3	2.5	.5	0.0	.5	44.0	0.0	30.0	
6	0.0	38.0	0.0	.6	64.0	4.2	1.5	56.0	6.8	17.1	27.1	1.9	
7	3.4	2.8	0.0	67.0	29.0	28.0	2.0	.3	8.7	0.0	19.0	0.0	
8	10.6	24.0	0.0	31.0	4.1	6.8	.1	1.3	.5	19.0	6.5	15.2	
9	4.7	34.0	2.2	1.9	44.0	7.1	.6	2.3	8.6	1.8	4.3	0.0	
10	5.8	.4	3.7	6.2	.4	0.0	0.0	.6	.7	5.4	68.0	0.0	
11	.1	3.2	.4	3.3	46.0	6.5	.4	1.3	59.0	0.0	0.0	2.8	
12	.7	.5	1.1	3.9	30.0	.4	.3	0.0	4.4	.7	34.0	14.5	
13	3.2	2.0	0.0	1.6	0.0	1.6	0.0	13.1	31.1	.5	44.0	3.3	
14	13.3	.4	7.8	1.8	.6	7.5	0.0	26.3	.2	6.1	41.0	5.1	
15	0.0	8.0	2.3	14.2	.2	2.0	.3	0.0	1.5	30.0	0.0	2.9	
16	.2	45.0	3.1	0.0	0.0	18.3	1.9	0.0	13.0	0.0	16.1	2.4	
17	0.0	18.5	15.0	0.0	0.0	21.0	.5	0.0	1.0	4.8	50.0	1.3	
18	0.0	34.0	10.5	0.0	0.0	5.3	.1	2.2	.1	17.0	1.5	.8	
19	.5	17.0	.6	0.0	1.2	0.0	27.5	0.0	4.6	0.0	11.4	3.7	
20	1.0	.5	0.0	.3	19.0	0.0	8.4	2.4	1.0	1.7	37.0	.7	
21	2.6	24.3	0.0	0.0	.2	3.0	0.0	16.6	15.3	2.0	0.0	.2	
22	0.0	.8	.7	0.0	2.1	0.0	0.0	.3	.6	16.1	32.0	0.0	
23	0.0	7.6	1.5	2.8	0.0	0.0	1.6	.5	11.5	0.0	16.7	27.0	
24	5.0	17.1	.2	14.3	0.0	0.0	0.0	.2	39.0	16.7	33.0	50.0	
25	.4	41.0	0.0	21.2	1.3	4.6	.4	5.8	48.0	1.8	.2	0.0	
26	16.3	44.0	0.0	7.3	0.0	32.0	0.0	2.2	5.5	24.5	0.0	0.0	
27	18.3	4.3	7.7	4.3	0.0	11.5	0.0	5.8	21.4	34.0	0.0	0.0	
28	2.2	15.5	12.0	.5	0.0	1.1	.2	.8	9.1	24.0	0.0	0.0	
29	0.0		1.1	13.5	40.0	4.0	2.9	0.0	0.0	25.0	8.0	0.0	
30	0.0		13.6	12.7	.6	2.1	2.2	.1	5.5	1.0	2.0	.5	
31	.2		5.2		.9		12.0	.1		0.0		29.5	
Total	108.5	451.0	91.4	271.1	300.7	179.3	81.4	150.0	338.3	300.8	476.2	229.0	Anual 2977.7
Días LI.	20	28	21	22	22	23	23	21	29	24	22	22	

Estación : LAS COLINAS
Año : 1999

Dpto. : CALDAS
Mpio. : MANIZALES

Latitud : 5 ° 6 'N
Longitud : 75 ° 34 'W
Altitud : 1450 m

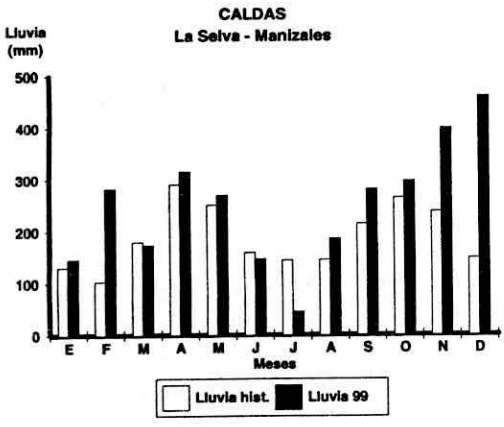
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	10.0	16.5	0.0	0.0	0.0	0.0	21.5	0.0	37.7	1.5	0.0		
2	0.0	2.0	0.0	35.8	1.6	0.0	5.7	21.2	13.0	0.0	0.0		
3	0.0	3.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	36.0		
4	8.0	0.0	0.0	14.0	0.0	5.5	0.0	0.0	0.0	2.0	2.0		
5	0.0	36.0	0.0	0.0	2.3	2.0	0.0	0.0	0.0	30.2	0.0		
6	0.0	50.7	0.0	4.5	47.3	0.0	4.3	31.2	1.6	21.1	9.0		
7	10.0	0.0	0.0	42.5	21.5	22.6	0.0	0.0	18.0	0.0	6.8		
8	3.8	35.5	0.0	0.0	3.4	4.1	0.0	0.0	0.0	0.0	1.0		
9	16.6	7.2	5.3	1.0	26.5	1.2	6.6	5.0	21.8	3.6	2.0		
10	12.5	1.6	3.5	42.0	5.5	1.1	0.0	0.0	0.0	48.2	51.0		
11	0.0	4.0	0.0	3.2	8.4	0.0	0.0	0.0	60.8	0.0	0.0		
12	0.0	2.8	20.0	16.2	22.3	9.2	0.0	3.9	8.6	0.0	15.5		
13	0.0	0.0	0.0	0.0	0.0	1.9	0.0	11.7	25.8	0.0	14.2		
14	8.1	0.0	30.8	15.8	0.0	7.8	0.0	37.8	0.0	0.0	13.5		
15	0.0	5.3	0.0	1.6	0.0	4.7	12.5	0.0	0.0	19.5	0.0		
16	0.0	19.7	33.7	0.0	0.0	9.0	0.0	5.4	48.8	2.6	22.0		
17	0.0	15.7	37.5	0.0	0.0	1.3	0.0	0.0	0.0	3.3	44.5		
18	0.0	31.6	0.0	0.0	1.6	3.5	0.0	0.0	0.0	22.5	1.5		
19	30.0	14.0	7.0	0.0	3.0	0.0	6.4	0.0	0.0	0.0	11.5		
20	0.0	2.0	0.0	0.0	6.5	0.0	0.0	2.7	1.0	3.0	11.4		
21	0.0	44.0	0.0	0.0	0.0	1.4	0.0	9.0	0.0	0.0	6.3		
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	14.4	3.0		
23	0.0	12.6	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	14.4		
24	7.0	14.4	0.0	16.0	0.0	0.0	0.0	0.0	7.7	4.8	8.5		
25	0.0	0.0	0.0	7.9	9.3	2.5	0.0	4.5	29.2	4.0	0.0		
26	8.6	24.8	0.0	4.5	0.0	21.2	0.0	2.6	21.7	60.0	0.0		
27	16.6	3.7	14.6	10.3	0.0	29.7	2.4	18.7	26.8	14.4	7.0		
28	0.0	13.0	12.7	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0		
29	0.0		0.0	63.6	97.7	1.5	0.0	0.0	0.0	13.0	10.4		
30	0.0		2.4	16.5	0.0	8.4	3.7	0.0	11.7	0.0	0.0		
31	0.0		0.0		0.0		4.0	2.0		0.0			Anual
Total	131.2	360.1	167.5	295.4	262.9	138.6	69.5	155.7	341.2	280.1	291.5		
Días LI.	11	22	10	16	15	19	10	13	16	18	21		

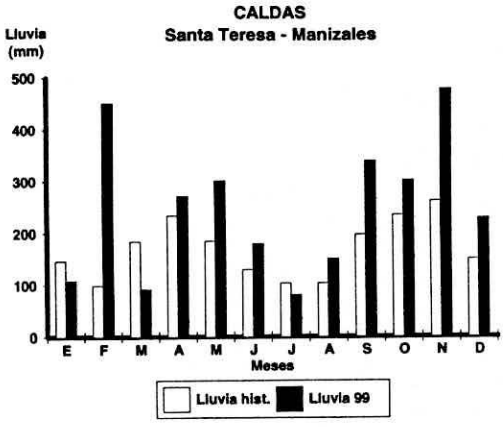
Estación : SANTA TERESITA
Año : 1999

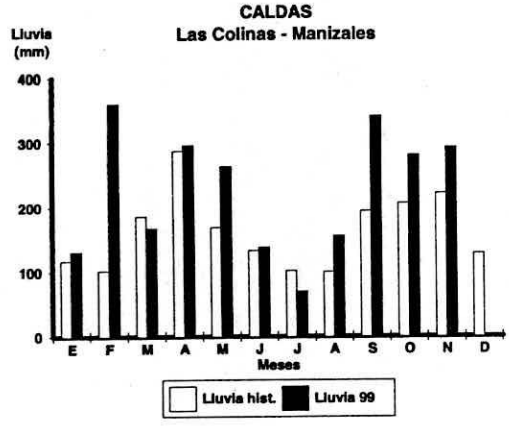
Dpto. : CALDAS
Mpio. : MANIZALES

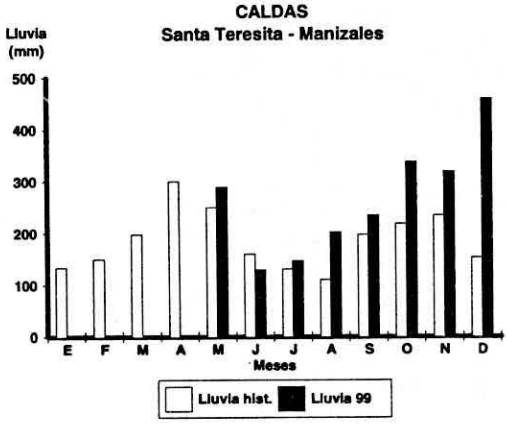
Latitud : 5 ° 4 'N
Longitud : 75 ° 37 'W
Altitud : 1200 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1					0.0	0.0	5.0	0.0	0.0	3.0	45.0	0.0	
2					0.0	0.0	24.0	9.0	0.0	0.0	0.0	0.0	
3					12.0	0.0	2.0	0.0	0.0	0.0	0.0	25.0	
4					7.0	0.0	0.0	9.0	0.0	0.0	0.0	56.0	
5					0.0	0.0	0.0	45.0	0.0	65.0	15.0	18.0	
6					20.0	25.0	29.0	0.0	20.0	7.0	39.0	6.0	
7					55.0	0.0	5.0	2.0	0.0	0.0	6.0	0.0	
8					0.0	0.0	22.0	0.0	0.0	16.0	9.0	38.0	
9					35.0	0.0	0.0	0.0	44.0	0.0	5.0	0.0	
10					72.0	25.0	0.0	0.0	16.0	82.0	41.0	0.0	
11					0.0	0.0	4.0	0.0	12.0	0.0	0.0	58.0	
12					31.0	0.0	0.0	7.0	34.0	0.0	40.0	25.0	
13					0.0	0.0	0.0	2.0	0.0	10.0	5.0	13.0	
14					0.0	7.0	25.0	41.0	0.0	0.0	3.0	47.0	
15					16.0	0.0	2.0	0.0	0.0	25.0	0.0	61.0	
16					3.0	0.0	11.0	10.0	15.0	6.0	4.0	0.0	
17					0.0	0.0	0.0	0.0	0.0	10.0	22.0	22.0	
18					9.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0	
19					0.0	0.0	7.0	0.0	3.0	0.0	15.0	3.0	
20					12.0	19.0	0.0	13.0	0.0	0.0	11.0	33.0	
21					0.0	0.0	0.0	0.0	12.0	0.0	10.0	0.0	
22					0.0	0.0	0.0	2.0	0.0	41.0	0.0	0.0	
23					0.0	0.0	0.0	0.0	0.0	3.0	0.0	12.0	
24					0.0	13.0	0.0	0.0	16.0	0.0	0.0	0.0	
25					17.0	5.0	0.0	2.0	27.0	0.0	0.0	0.0	
26					0.0	22.0	2.0	5.0	25.0	60.0	0.0	0.0	
27					0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	
28					0.0	0.0	2.0	3.0	3.0	9.0	0.0	0.0	
29					0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	
30					0.0	0.0	7.0	0.0	7.0	0.0	18.0	0.0	
31					0.0		0.0	52.0		0.0		22.0	Anual
Total					289.0	130.0	147.0	202.0	234.0	337.0	318.0	458.0	
Días LI.					12	8	14	14	13	13	17	16	


CALDAS
La Selva - Manizales
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
Santa Teresa - Manizales
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
Las Colinas - Manizales
Lluvia (mm)
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
Santa Teresita - Manizales
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : EL PISTACHO
Año : 1999

Dpto. : CALDAS
Mpio. : MANIZALES

Latitud : 5 ° 4 'N
Longitud : 75 ° 33 'W
Altitud : 1625 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1							0.0	.5	33.0	0.0	0.0	7.2	
2							5.5	21.0	5.0	2.0	12.0	8.0	
3							1.0	0.0	0.0	0.0	1.0	8.0	
4							0.0	1.0	0.0	2.0	2.0	17.0	
5							0.0	0.0	0.0	32.0	0.0	1.0	
6							2.0	19.0	1.5	18.5	4.0	6.0	
7							.5	0.0	10.0	13.0	4.0	7.0	
8							.5	3.0	0.0	0.0	4.5	0.0	
9							4.5	0.0	21.0	0.0	3.0	14.0	
10							0.0	18.0	0.0	32.0	39.0	0.0	
11							0.0	0.0	40.0	0.0	0.0	0.0	
12							0.0	0.0	4.0	0.0	17.5	13.0	
13							0.0	5.5	23.0	0.0	7.0	3.0	
14							0.0	17.0	0.0	0.0	9.5	32.5	
15							5.5	0.0	0.0	16.0	0.0	13.0	
16							0.0	1.0	44.0	2.0	10.0	7.5	
17							.5	0.0	1.5	3.0	28.0	3.0	
18							0.0	0.0	0.0	16.0	0.0	42.0	
19							4.5	0.0	2.0	2.5	10.5	.5	
20							0.0	7.5	0.0	3.0	40.0	4.0	
21							0.0	0.0	4.0	0.0	17.0	6.5	
22							0.0	0.0	.5	9.0	12.0	2.0	
23							2.0	2.5	3.0	0.0	12.0	14.0	
24							0.0	0.0	5.5	6.0	8.0	9.0	
25							0.0	4.5	25.0	2.5	0.0	0.0	
26							0.0	0.0	32.0	47.0	3.5	0.0	
27							1.5	15.5	13.0	16.0	0.0	0.0	
28							0.0	1.5	3.0	0.0	0.0	0.0	
29							1.0	0.0	0.0	13.0	16.5	0.0	
30							1.0	0.0	6.0	0.0	2.5	0.0	
31							2.5	0.0		0.0		0.0	
Total							32.5	117.5	277.0	235.5	263.5	218.2	Anual
Días Ll.							14	14	20	18	22	21	

Estación : LA ARGENTINA
Año : 1999

Dpto. : CALDAS
Mpio. : PALESTINA

Latitud : 5 ° 2 'N
Longitud : 75 ° 41 'W
Altitud : 1350 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	4.0	10.0	0.0	3.0	4.0	0.0	13.0	0.0	38.0	0.0	45.0	0.0	
2	4.0	0.0	0.0	25.0	0.0	0.0	45.0	23.0	16.0	0.0	14.0	0.0	
3	0.0	0.0	0.0	0.0	10.0	0.0	2.0	0.0	0.0	3.0	51.0	11.0	
4	4.0	0.0	0.0	0.0	0.0	9.0	0.0	2.0	0.0	0.0	9.0	71.0	
5	5.0	23.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	84.0	25.0	11.0	
6	0.0	13.0	0.0	0.0	10.0	6.0	3.0	28.0	0.0	0.0	28.0	0.0	
7	23.0	20.0	10.0	60.0	27.0	92.0	16.0	3.0	37.0	0.0	6.0	0.0	
8	13.0	0.0	0.0	35.0	5.0	0.0	35.0	0.0	0.0	0.0	0.0	34.0	
9	9.0	0.0	0.0	23.0	28.0	8.0	0.0	0.0	16.0	34.0	0.0	34.0	
10	0.0	0.0	0.0	0.0	7.0	20.0	3.0	0.0	0.0	50.0	35.0	0.0	
11	0.0	12.0	0.0	29.0	8.0	0.0	5.0	0.0	21.0	0.0	7.0	24.0	
12	3.0	0.0	0.0	3.0	0.0	21.0	0.0	2.0	11.0	0.0	80.0	42.0	
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	25.0	4.0	0.0	40.0	
14	0.0	19.0	13.0	8.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	10.0	
15	5.0	0.0	0.0	0.0	0.0	7.0	47.0	0.0	36.0	23.0	0.0	63.0	
16	0.0	30.0	3.0	0.0	23.0	0.0	4.0	22.0	0.0	30.0	0.0	53.0	
17	0.0	0.0	40.0	0.0	0.0	4.0	0.0	0.0	5.0	24.0	3.0	40.0	
18	12.0	3.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	3.0	
19	23.0	48.0	18.0	5.0	0.0	9.0	5.0	0.0	21.0	0.0	0.0	8.0	
20	0.0	3.0	4.0	0.0	0.0	54.0	0.0	35.0	0.0	0.0	17.0	4.0	
21	21.0	5.0	0.0	0.0	8.0	3.0	0.0	0.0	33.0	0.0	7.0	0.0	
22	2.0	32.0	3.0	0.0	5.0	5.0	10.0	3.0	15.0	0.0	0.0	0.0	
23	0.0	11.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	26.0	23.0	14.0	
24	10.0	11.0	0.0	23.0	0.0	18.0	0.0	2.0	20.0	0.0	18.0	7.0	
25	0.0	10.0	0.0	5.0	2.0	5.0	0.0	0.0	52.0	0.0	0.0	0.0	
26	4.0	0.0	5.0	8.0	0.0	4.0	20.0	3.0	29.0	24.0	0.0	0.0	
27	16.0	3.0	9.0	0.0	0.0	5.0	40.0	6.0	36.0	7.0	9.0	0.0	
28	0.0	10.0	10.0	0.0	13.0	0.0	20.0	0.0	5.0	8.0	0.0	0.0	
29	0.0		0.0	54.0	0.0	0.0	10.0	5.0	0.0	0.0	27.0	0.0	
30	13.0		15.0	0.0	0.0	8.0	0.0	2.0	4.0	0.0	10.0	0.0	
31	0.0		0.0		0.0		0.0	0.0		12.0		0.0	
Total	171.0	263.0	139.0	291.0	158.0	278.0	278.0	176.0	420.0	331.0	431.0	469.0	Anual 3405.0
Días Ll.	17	17	12	14	14	17	16	14	18	14	19	17	

Estación : EL RECREO
Año : 1999

Dpto. : CALDAS
Mpio. : PALESTINA

Latitud : 5 ° 2 'N
Longitud : 75 ° 39 'W
Altitud : 1450 m

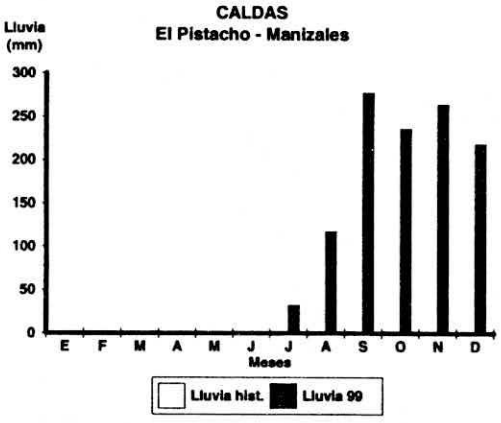
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	7.0	0.0	7.0	4.0	1.0							
2	1.0	0.0	0.0	18.0	1.0	0.0							
3	3.0	0.0	0.0	23.0	4.0	2.0							
4	32.0	0.0	0.0	2.0	4.0	12.0							
5	15.0	16.0	0.0	0.0	7.0	0.0							
6	2.0	23.0	0.0	0.0	8.0	0.0							
7	8.0	0.0	0.0	22.0	19.0	0.0							
8	7.0	4.0	26.0	33.0	5.0	1.0							
9	2.0	0.0	0.0	1.0	29.0	43.0							
10	1.0	1.0	0.0	28.0	0.0	2.0							
11	0.0	16.0	0.0	41.0	62.0	0.0							
12	0.0	2.0	0.0	8.0	22.0	0.0							
13	0.0	4.0	0.0	0.0	0.0	23.0							
14	7.0	1.0	16.0	7.0	0.0	0.0							
15	0.0	1.0	2.5	2.0	0.0	1.0							
16	0.0	0.0	4.0	0.0	21.0	10.0							
17	0.0	17.0	44.0	0.0	2.0	1.0							
18	15.0	5.0	4.0	0.0	5.0	1.5							
19	39.0	29.0	15.0	0.0	2.0	5.0							
20	1.0	0.0	5.0	0.0	0.0	62.0							
21	1.0	32.0	0.0	0.0	12.0	5.0							
22	0.0	0.0	5.0	0.0	1.0	0.0							
23	0.0	25.0	0.0	1.0	1.0	0.0							
24	2.0	12.0	0.0	27.0	5.0	7.0							
25	9.0	0.0	0.0	17.0	5.0	7.0							
26	0.0	8.0	1.0	2.0	0.0	11.0							
27	14.0	1.0	2.0	5.0	0.0	14.0							
28	1.0	20.0	10.0	7.0	0.0	1.0							
29	2.0		0.0	19.0	3.0	0.0							
30	6.0		22.0	1.0	0.0	0.0							
31	1.0		0.0		3.0								
													Anual
Total	169.0	224.0	156.5	271.0	225.0	209.5							
Días Ll.	21	19	13	20	22	19							

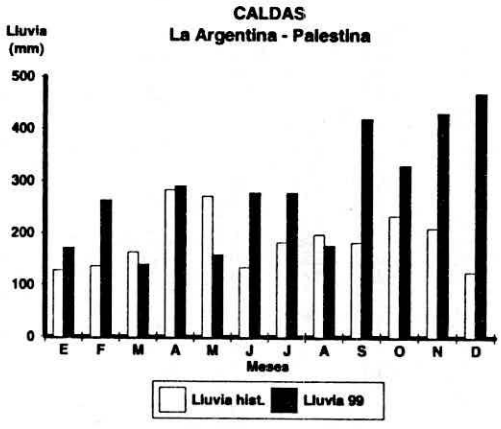
Estación : MORAVO
Año : 1999

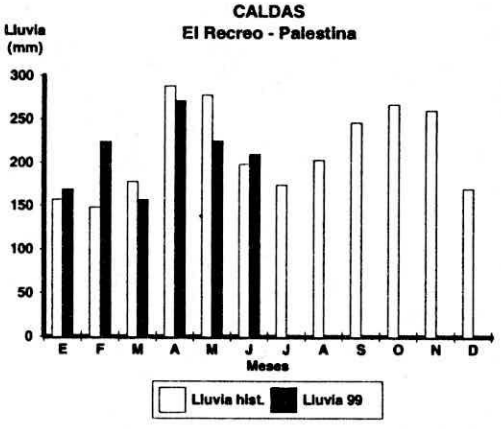
Dpto. : CALDAS
Mpio. : CHINCHINA

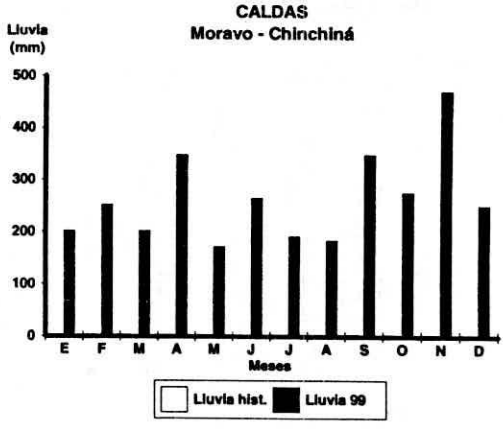
Latitud : 5 ° 1 'N
Longitud : 75 ° 43 'W
Altitud : 1094 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	13.0	0.0	0.0	14.0	4.0	9.0	0.0	11.0	0.0	0.0	4.0	
2	6.0	0.0	0.0	48.0	0.0	0.0	36.0	15.0	20.0	0.0	33.0	0.0	
3	0.0	0.0	0.0	0.0	6.0	1.0	3.0	0.0	0.0	1.0	52.0	12.0	
4	0.0	0.0	0.0	10.0	12.0	6.0	0.0	0.0	0.0	3.0	3.0	40.0	
5	12.0	10.0	0.0	2.0	4.0	0.0	0.0	0.0	0.0	37.0	29.0	0.0	
6	0.0	27.0	0.0	0.0	8.0	2.0	0.0	16.0	0.0	36.0	19.0	5.0	
7	21.0	0.0	9.0	37.0	4.0	75.0	0.0	6.0	35.0	15.0	11.0	0.0	
8	41.0	0.0	15.0	27.0	39.0	0.0	16.0	0.0	0.0	0.0	1.0	10.0	
9	0.0	0.0	4.0	4.0	0.0	11.0	0.0	0.0	19.0	11.0	0.0	11.0	
10	8.0	0.0	3.0	22.0	0.0	1.0	0.0	0.0	14.0	6.0	100.0	0.0	
11	0.0	13.0	0.0	15.0	0.0	20.0	3.0	0.0	0.0	0.0	0.0	0.0	
12	9.0	0.0	10.0	4.0	40.0	29.0	6.0	25.0	14.0	4.0	0.0	35.0	
13	0.0	8.0	0.0	0.0	0.0	3.0	0.0	17.0	33.0	2.0	36.0	17.0	
14	10.0	9.0	37.0	15.0	0.0	0.0	0.0	19.0	3.0	0.0	0.0	10.0	
15	0.0	10.0	10.0	0.0	0.0	3.0	3.0	0.0	0.0	33.0	0.0	35.0	
16	0.0	18.0	5.0	0.0	30.0	6.0	0.0	30.0	38.0	32.0	0.0	34.0	
17	0.0	0.0	50.0	0.0	0.0	0.0	4.0	0.0	10.0	5.0	45.0	22.0	
18	20.0	0.0	2.0	0.0	0.0	0.0	0.0	1.0	6.0	6.0	5.0	5.0	
19	9.0	39.0	3.0	0.0	0.0	0.0	20.0	0.0	18.0	0.0	5.0	4.0	
20	0.0	0.0	0.0	0.0	0.0	39.0	34.0	15.0	24.0	1.0	10.0	5.0	
21	13.0	9.0	0.0	0.0	4.0	2.0	8.0	0.0	0.0	5.0	5.0	0.0	
22	0.0	13.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23	5.0	13.0	0.0	23.0	0.0	2.0	0.0	14.0	12.0	10.0	17.0	0.0	
24	15.0	35.0	16.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	2.0	
25	0.0	0.0	0.0	54.0	5.0	37.0	0.0	0.0	20.0	10.0	0.0	0.0	
26	0.0	8.0	0.0	8.0	0.0	14.0	23.0	13.0	27.0	27.0	15.0	0.0	
27	8.0	4.0	20.0	0.0	0.0	0.0	19.0	0.0	12.0	10.0	30.0	0.0	
28	5.0	23.0	5.0	4.0	0.0	0.0	8.0	4.0	0.0	0.0	0.0	0.0	
29	0.0		4.0	48.0	4.0	0.0	0.0	0.0	0.0	0.0	39.0	0.0	
30	19.0		0.0	0.0	0.0	10.0	0.0	6.0	33.0	0.0	3.0	0.0	
31	0.0		0.0		2.0		0.0	3.0		22.0		0.0	
													Anual
Total	201.0	252.0	202.0	349.0	172.0	265.0	192.0	184.0	349.0	276.0	470.0	251.0	3163.0
Días Ll.	15	16	16	16	13	18	14	14	18	20	20	16	


CALDAS
El Pistacho - Manizales
Lluvia (mm)
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
La Argentina - Palestina
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
El Recreo - Palestina
Lluvia (mm)
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
Moravo - Chinchiná
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : JAVA
Año : 1999

Dpto. : CALDAS
Mpio. : MANIZALES

Latitud : 5 ° 1 'N
Longitud : 75 ° 33 'W
Altitud : 1700 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	5.0	0.0	4.0	4.0	0.0	7.0	3.0	0.0	0.0	12.0	
2	7.0	3.0	3.0	11.0	6.0	0.0	2.0	8.0	0.0	5.0	11.0	22.0	
3	3.0	11.0	4.0	0.0	12.0	3.0	0.0	1.0	7.0	7.0	10.0	11.0	
4	3.0	0.0	0.0	8.0	4.0	1.0	3.0	0.0	9.0	18.0	11.0	25.0	
5	5.0	15.0	0.0	10.0	13.0	5.0	0.0	0.0	11.0	23.0	2.0	1.0	
6	0.0	18.0	0.0	0.0	17.0	0.0	3.0	30.0	5.0	0.0	0.0	14.0	
7	7.0	0.0	0.0	3.0	11.0	20.0	1.0	6.0	8.0	0.0	2.0	3.0	
8	0.0	0.0	5.0	8.0	4.0	3.0	2.0	17.0	12.0	2.0	6.0	6.0	
9	6.0	5.0	0.0	19.0	8.0	0.0	15.0	0.0	8.0	3.0	1.0	0.0	
10	3.0	0.0	2.0	20.0	6.0	4.0	3.0	0.0	10.0	6.0	52.0	0.0	
11	4.0	12.0	0.0	1.0	6.0	0.0	2.0	7.0	13.0	0.0	22.0	0.0	
12	0.0	0.0	0.0	2.0	13.0	2.0	0.0	18.0	6.0	0.0	8.0	19.0	
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.0	14.0	2.0	6.0	3.0	
14	4.0	2.0	1.0	0.0	0.0	1.0	0.0	0.0	2.0	1.0	39.0	42.0	
15	0.0	5.0	3.0	2.0	0.0	1.0	0.0	2.0	0.0	10.0	0.0	18.0	
16	2.0	7.0	21.0	0.0	0.0	8.0	0.0	0.0	43.0	0.0	15.0	14.0	
17	0.0	5.0	61.0	0.0	0.0	4.0	0.0	0.0	0.0	11.0	25.0	4.0	
18	3.0	15.0	6.0	0.0	0.0	18.0	9.0	4.0	0.0	20.0	2.0	3.0	
19	0.0	7.0	4.0	0.0	11.0	0.0	12.0	0.0	10.0	0.0	21.0	5.0	
20	1.0	8.0	17.0	0.0	9.0	2.0	0.0	0.0	4.0	4.0	21.0	7.0	
21	0.0	12.0	2.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	4.0	0.0	
22	0.0	2.0	0.0	4.0	0.0	0.0	0.0	4.0	0.0	0.0	2.0	0.0	
23	3.0	5.0	0.0	0.0	0.0	2.0	0.0	1.0	10.0	2.0	52.0	3.0	
24	18.0	15.0	0.0	15.0	0.0	5.0	0.0	3.0	3.0	3.0	21.0	5.0	
25	0.0	6.0	0.0	12.0	6.0	3.0	3.0	2.0	45.0	0.0	12.0	2.0	
26	25.0	35.0	0.0	16.0	0.0	10.0	18.0	10.0	38.0	47.0	0.0	0.0	
27	21.0	2.0	0.0	0.0	0.0	14.0	10.0	3.0	18.0	7.0	0.0	0.0	
28	0.0	13.0	12.0	0.0	3.0	0.0	7.0	5.0	5.0	10.0	0.0	0.0	
29	0.0		0.0	6.0	0.0	0.0	3.0	5.0	0.0	14.0	0.0	0.0	
30	0.0		0.0	8.0	0.0	7.0	0.0	0.0	2.0	0.0	5.0	0.0	
31	11.0		0.0		0.0		0.0	0.0		4.0		0.0	
Total	126.0	203.0	146.0	145.0	133.0	117.0	93.0	166.0	295.0	199.0	350.0	219.0	Anual 2192.0
Días Ll.	17	21	14	16	16	20	15	19	24	20	23	20	

Estación : LA PALMA
Año : 1999

Dpto. : CALDAS
Mpio. : PALESTINA

Latitud : 5 ° 0 'N
Longitud : 75 ° 41 'W
Altitud : 1300 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	4.0	10.0	0.0	35.0	0.0	0.0	22.0	25.0	32.0	0.0	34.0	0.0	
2	0.0	0.0	0.0	0.0	9.0	0.0	17.0	0.0	0.0	0.0	28.0	3.0	
3	0.0	0.0	0.0	0.0	11.0	6.0	0.0	0.0	0.0	2.0	3.0	50.0	
4	1.0	0.0	0.0	1.0	5.0	0.0	0.0	1.0	0.0	42.0	35.0	2.0	
5	10.0	10.0	0.0	0.0	12.0	1.0	0.0	21.0	0.0	36.0	23.0	6.0	
6	0.0	0.0	0.0	5.0	5.0	89.0	11.0	1.0	56.0	1.0	7.0	0.0	
7	23.0	0.0	30.0	50.0	5.0	1.0	4.0	0.0	1.0	2.0	0.0	31.0	
8	18.0	0.0	0.0	1.0	23.0	20.0	7.0	0.0	18.0	26.0	1.0	27.0	
9	30.0	0.0	8.0	18.0	0.0	0.0	0.0	0.0	0.0	29.0	53.0	0.0	
10	1.0	20.0	0.0	25.0	1.0	18.0	0.0	0.0	14.0	0.0	0.0	1.0	
11	1.0	1.0	0.0	7.0	32.0	20.0	4.0	17.0	7.0	0.0	40.0	39.0	
12	0.0	0.0	0.0	0.0	0.0	1.0	0.0	11.0	40.0	3.0	1.0	32.0	
13	1.0	0.0	22.0	23.0	0.0	0.0	0.0	32.0	1.0	1.0	0.0	8.0	
14	0.0	20.0	7.0	0.0	0.0	3.0	1.0	0.0	0.0	29.0	0.0	57.0	
15	2.0	0.0	2.0	0.0	25.0	18.0	0.0	36.0	71.0	30.0	3.0	54.0	
16	1.0	28.0	45.0	0.0	0.0	0.0	0.0	0.0	2.0	8.0	19.0	18.0	
17	25.0	0.0	5.0	0.0	0.0	1.0	0.0	0.0	7.0	5.0	6.0	6.0	
18	18.0	55.0	7.0	0.0	0.0	1.0	25.0	0.0	31.0	0.0	1.0	0.0	
19	0.0	0.0	3.0	0.0	0.0	50.0	20.0	29.0	5.0	1.0	3.0	5.0	
20	12.0	8.0	0.0	0.0	0.0	0.0	0.0	2.0	27.0	0.0	10.0	3.0	
21	10.0	2.0	9.0	0.0	0.0	0.0	24.0	0.0	0.0	28.0	0.0	0.0	
22	2.0	18.0	0.0	19.0	0.0	0.0	1.0	9.0	23.0	0.0	26.0	10.0	
23	22.0	37.0	0.0	21.0	0.0	26.0	0.0	0.0	2.0	16.0	24.0	10.0	
24	0.0	0.0	0.0	0.0	1.0	2.0	0.0	2.0	46.0	2.0	1.0	0.0	
25	1.0	1.0	1.0	10.0	0.0	22.0	24.0	1.0	11.0	15.0	0.0	0.0	
26	6.0	0.0	23.0	0.0	0.0	1.0	20.0	11.0	29.0	23.0	14.0	0.0	
27	2.0	2.0	10.0	0.0	0.0	0.0	3.0	0.0	1.0	7.0	0.0	0.0	
28	3.0	0.0	0.0	28.0	1.0	0.0	6.0	0.0	0.0	3.0	48.0	0.0	
29	4.0		13.0	5.0	0.0	3.0	2.0	1.0	12.0	0.0	0.0	5.0	
30	0.0		0.0	0.0	11.0	1.0	5.0	1.0	0.0	0.0	5.0	9.0	
31	2.0		0.0		1.0		0.0	13.0		5.0		0.0	
Total	199.0	212.0	185.0	248.0	142.0	284.0	196.0	213.0	436.0	316.0	385.0	376.0	Anual 3192.0
Días Ll.	23	13	14	14	14	19	17	17	21	22	22	20	

Estación : LA FRANCIA
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 4 ° 59 'N
Longitud : 75 ° 41 'W
Altitud : 1360 m

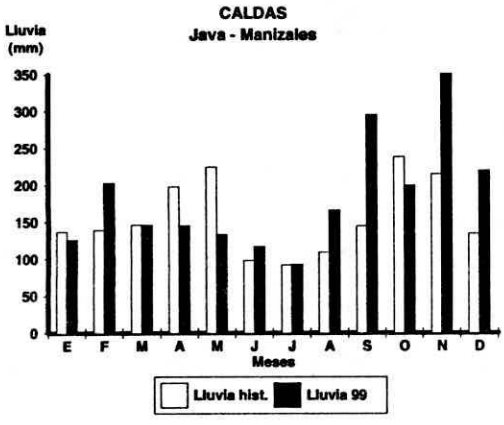
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	18.0	0.0	14.0	0.0	8.0	0.0	0.0	28.0	0.0			
2	0.0	10.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0			
3	0.0	38.0	0.0	0.0	32.0	0.0	0.0	0.0	0.0	8.0			
4	12.0	0.0	0.0	30.0	8.0	0.0	0.0	11.0	0.0	6.0			
5	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
6	0.0	0.0	0.0	0.0	22.0	45.0	15.0	10.0	10.0	0.0			
7	40.0	0.0	0.0	29.0	0.0	50.0	55.0	0.0	40.0	0.0			
8	0.0	0.0	19.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0			
9	0.0	0.0	25.0	0.0	52.0	0.0	0.0	0.0	26.0	0.0			
10	41.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	31.0			
11	15.0	55.0	0.0	17.0	8.0	0.0	0.0	0.0	20.0	0.0			
12	0.0	0.0	0.0	15.0	58.0	0.0	0.0	0.0	16.0	0.0			
13	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	52.0	0.0			
14	0.0	0.0	43.0	0.0	0.0	15.0	0.0	76.0	0.0	0.0			
15	0.0	0.0	22.0	0.0	0.0	10.0	0.0	0.0	0.0	25.0			
16	0.0	35.0	8.0	0.0	43.0	0.0	0.0	17.0	22.0	16.0			
17	0.0	0.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
18	10.0	30.0	15.0	0.0	0.0	0.0	60.0	0.0	0.0	33.0			
19	9.0	0.0	0.0	0.0	15.0	0.0	8.0	0.0	20.0	0.0			
20	0.0	22.0	0.0	0.0	0.0	20.0	7.0	16.0	0.0	0.0			
21	0.0	18.0	22.0	0.0	0.0	29.0	0.0	0.0	35.0	37.0			
22	18.0	40.0	0.0	20.0	0.0	9.0	0.0	14.0	14.0	10.0			
23	0.0	50.0	8.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0			
24	0.0	33.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	7.0			
25	8.0	0.0	0.0	40.0	0.0	0.0	0.0	7.0	28.0	0.0			
26	15.0	0.0	22.0	10.0	0.0	9.0	41.0	16.0	14.0	17.0			
27	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
28	0.0	8.0	25.0	18.0	9.0	0.0	8.0	0.0	12.0	13.0			
29	0.0		0.0	57.0	0.0	0.0	0.0	0.0	0.0	0.0			
30	0.0		0.0	0.0	0.0	17.0	0.0	0.0	32.0	0.0			
31	0.0		0.0		0.0		0.0	0.0		0.0			
Total	186.0	357.0	251.0	288.0	257.0	235.0	216.0	167.0	369.0	203.0			Anual
Días LI.	11	12	11	12	10	12	8	8	15	11			

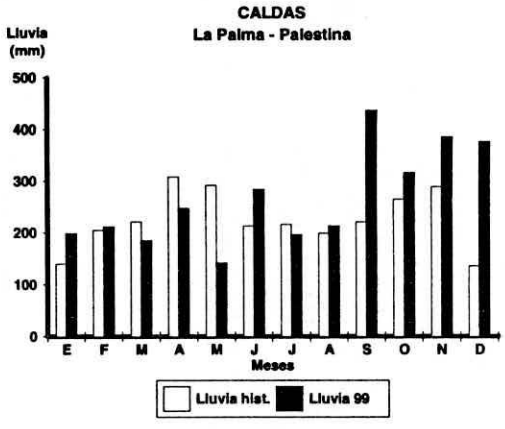
Estación : LA SIERRA
Año : 1999

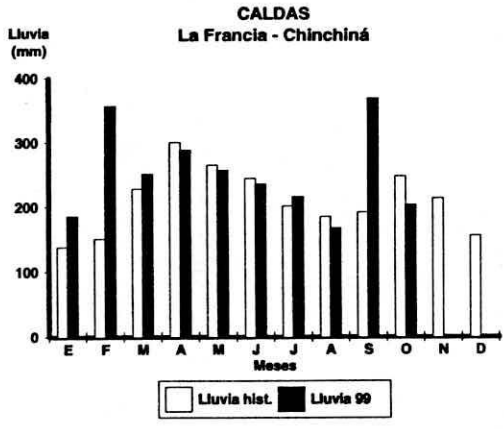
Dpto. : CALDAS
Mpio. : CHINCHINA

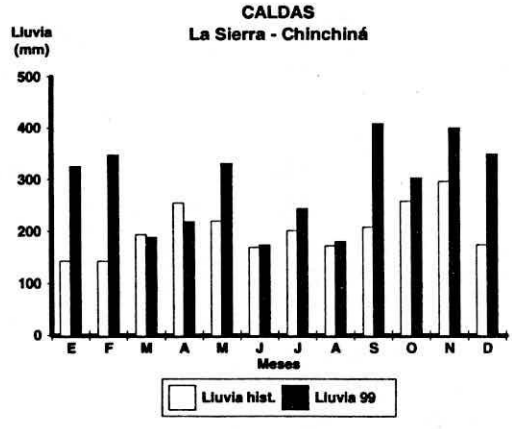
Latitud : 4 ° 59 'N
Longitud : 75 ° 38 'W
Altitud : 1450 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	5.0	0.0	0.0	0.0	6.0	0.0	0.0	27.0	0.0	8.0	10.0	
2	0.0	0.0	0.0	16.0	0.0	0.0	0.0	14.0	0.0	0.0	92.0	0.0	
3	0.0	6.0	0.0	0.0	42.0	0.0	56.0	0.0	0.0	7.0	16.0	0.0	
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	40.0	
5	8.0	7.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	43.0	7.0	0.0	
6	0.0	44.0	0.0	0.0	38.0	0.0	42.0	21.0	0.0	33.0	26.0	5.0	
7	32.0	0.0	0.0	10.0	0.0	60.0	46.0	0.0	52.0	0.0	0.0	0.0	
8	60.0	0.0	10.0	0.0	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9	0.0	5.0	0.0	10.0	46.0	0.0	21.0	0.0	42.0	49.0	34.0	18.0	
10	36.0	0.0	0.0	30.0	0.0	6.0	0.0	0.0	0.0	0.0	31.0	0.0	
11	0.0	20.0	0.0	42.0	0.0	0.0	7.0	0.0	10.0	0.0	0.0	0.0	
12	0.0	0.0	0.0	14.0	42.0	0.0	4.0	11.0	20.0	0.0	0.0	51.0	
13	0.0	5.0	0.0	0.0	50.0	14.0	0.0	0.0	32.0	0.0	0.0	58.0	
14	0.0	22.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	29.0	
15	0.0	0.0	0.0	12.0	0.0	10.0	4.0	0.0	0.0	40.0	0.0	50.0	
16	0.0	0.0	10.0	0.0	48.0	0.0	0.0	24.0	30.0	0.0	0.0	44.0	
17	0.0	30.0	34.0	0.0	0.0	0.0	10.0	0.0	0.0	24.0	70.0	0.0	
18	72.0	56.0	8.0	0.0	0.0	0.0	27.0	0.0	0.0	0.0	0.0	18.0	
19	40.0	26.0	0.0	0.0	8.0	0.0	16.0	0.0	12.0	0.0	0.0	0.0	
20	0.0	0.0	0.0	0.0	0.0	27.0	0.0	70.0	0.0	0.0	16.0	0.0	
21	13.0	10.0	16.0	0.0	0.0	0.0	0.0	10.0	30.0	10.0	20.0	12.0	
22	0.0	3.0	40.0	0.0	0.0	10.0	11.0	0.0	0.0	23.0	18.0	0.0	
23	13.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	39.0	0.0	29.0	14.0	
24	0.0	14.0	26.0	40.0	0.0	3.0	0.0	4.0	0.0	0.0	0.0	0.0	
25	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	43.0	1.0	0.0	0.0	
26	0.0	48.0	8.0	10.0	0.0	24.0	0.0	0.0	31.0	30.0	5.0	0.0	
27	6.0	0.0	5.0	0.0	0.0	6.0	0.0	0.0	23.0	7.0	0.0	0.0	
28	0.0	15.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	
29	0.0		0.0	10.0	0.0	0.0	0.0	27.0	0.0	0.0	8.0	0.0	
30	46.0		0.0	0.0	0.0	8.0	0.0	0.0	17.0	12.0	0.0	0.0	
31	0.0		0.0		20.0		0.0	0.0		0.0		0.0	
Total	326.0	348.0	189.0	219.0	332.0	174.0	244.0	181.0	408.0	303.0	400.0	349.0	Anual 3473.0
Días LI.	10	17	11	12	9	11	11	8	14	14	15	12	


CALDAS
Java - Manizales
Lluvia (mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
La Palma - Palestina
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
La Francia - Chinchiná
Lluvia (mm)
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
La Sierra - Chinchiná
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : LA DIVISA
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 4 ° 59 'N
Longitud : 75 ° 36 'W
Altitud : 1590 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	1.0	11.0	0.0	0.0	0.0	11.0	3.0	0.0	14.0	4.0	22.0		
2	19.0	12.0	0.0	21.0	8.0	2.0	74.0	20.0	2.0	0.0	31.0		
3	2.0	5.0	0.0	0.0	30.0	0.0	15.0	0.0	0.0	0.0	1.0		
4	0.0	20.0	0.0	15.0	2.0	4.0	0.0	8.0	6.0	2.0	11.0		
5	18.0	16.0	0.0	0.0	1.0	2.0	0.0	0.0	0.0	45.0	2.0		
6	0.0	49.0	0.0	0.0	20.0	0.0	3.0	41.0	0.0	35.0	0.0		
7	30.0	0.0	0.0	12.0	0.0	61.0	47.0	5.0	33.0	2.0	17.0		
8	30.0	0.0	17.0	0.0	2.0	4.0	40.0	16.0	32.0	0.0	2.0		
9	1.0	0.0	28.0	6.0	30.0	2.0	7.0	0.0	43.0	3.0	32.0		
10	58.0	0.0	1.0	25.0	11.0	0.0	0.0	0.0	42.0	37.0	51.0		
11	1.0	31.0	0.0	45.0	10.0	0.0	0.0	2.0	40.0	0.0	2.0		
12	0.0	0.0	0.0	7.0	29.0	10.0	0.0	4.0	10.0	0.0	39.0		
13	4.0	4.0	0.0	1.0	8.0	8.0	0.0	2.0	14.0	0.0	4.0		
14	11.0	0.0	6.0	7.0	0.0	2.0	0.0	29.0	4.0	0.0	18.0		
15	0.0	18.0	2.0	1.0	0.0	1.0	2.0	0.0	0.0	24.0	0.0		
16	6.0	15.0	34.0	0.0	70.0	13.0	0.0	11.0	27.0	0.0	7.0		
17	0.0	10.0	31.0	0.0	0.0	47.0	1.0	0.0	0.0	25.0	46.0		
18	10.0	22.0	5.0	0.0	0.0	14.0	16.0	16.0	9.0	15.0	3.0		
19	3.0	32.0	45.0	0.0	10.0	0.0	20.0	0.0	25.0	2.0	17.0		
20	2.0	0.0	0.0	0.0	3.0	9.0	0.0	59.0	0.0	0.0	19.0		
21	0.0	12.0	0.0	0.0	0.0	6.0	0.0	6.0	16.0	3.0	10.0		
22	0.0	4.0	41.0	3.0	0.0	0.0	0.0	0.0	0.0	30.0	7.0		
23	32.0	30.0	0.0	0.0	0.0	0.0	3.0	3.0	45.0	0.0	26.0		
24	3.0	14.0	0.0	12.0	0.0	7.0	0.0	0.0	5.0	2.0	19.0		
25	14.0	0.0	0.0	21.0	0.0	8.0	0.0	6.0	25.0	0.0	6.0		
26	5.0	38.0	0.0	15.0	0.0	25.0	0.0	32.0	32.0	33.0	0.0		
27	12.0	9.0	21.0	0.0	0.0	9.0	0.0	3.0	20.0	2.0	0.0		
28	2.0	19.0	20.0	0.0	0.0	1.0	0.0	0.0	6.0	4.0	0.0		
29	0.0		0.0	1.0	3.0	0.0	0.0	44.0	0.0	18.0	9.0		
30	31.0		6.0	4.0	0.0	17.0	3.0	0.0	11.0	2.0	8.0		
31	0.0		0.0		0.0		18.0	8.0		0.0			
Total	295.0	371.0	257.0	196.0	237.0	263.0	252.0	315.0	461.0	288.0	409.0		Anual
Dias LI.	22	20	13	16	15	22	14	19	22	19	25		

Estación : LOS POMOS
Año : 1999

Dpto. : CALDAS
Mpio. : CHINCHINA

Latitud : 4 ° 58 'N
Longitud : 75 ° 35 'W
Altitud : 1500 m

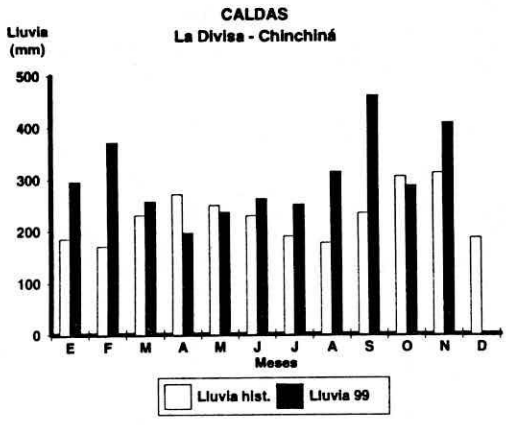
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	2.0	9.0	1.0	1.0	3.0	17.0	1.0	10.0	24.0	5.0	10.0	11.0	
2	13.0	11.0	0.0	10.0	3.0	2.0	11.0	17.0	0.0	0.0	32.0	5.0	
3	4.0	20.0	1.0	0.0	26.0	0.0	4.0	0.0	0.0	1.0	2.0	6.0	
4	2.0	1.0	1.0	21.0	4.0	8.0	0.0	2.0	9.0	14.0	8.0	24.0	
5	4.0	10.0	0.0	14.0	3.0	9.0	0.0	1.0	3.0	31.0	0.0	0.0	
6	2.0	40.0	0.0	0.0	8.0	2.0	0.0	39.0	0.0	21.0	0.0	1.0	
7	20.0	0.0	0.0	15.0	2.0	50.0	34.0	5.0	20.0	2.0	19.0	2.0	
8	15.0	0.0	0.0	19.0	0.0	3.0	8.0	20.0	2.0	0.0	1.0	3.0	
9	6.0	2.0	48.0	4.0	27.0	3.0	7.0	4.0	19.0	0.0	22.0	16.0	
10	26.0	3.0	2.0	39.0	3.0	0.0	0.0	0.0	0.0	27.0	90.0	0.0	
11	1.0	38.0	0.0	45.0	9.0	0.0	0.0	2.0	32.0	0.0	2.0	11.0	
12	2.0	5.0	0.0	5.0	3.0	4.0	0.0	9.0	5.0	0.0	23.0	24.0	
13	3.0	4.0	1.0	3.0	8.0	20.0	0.0	4.0	18.0	2.0	3.0	1.0	
14	5.0	0.0	3.0	15.0	0.0	3.0	0.0	18.0	2.0	0.0	36.0	30.0	
15	5.0	6.0	2.0	2.0	0.0	4.0	2.0	0.0	0.0	11.0	0.0	2.0	
16	3.0	10.0	39.0	0.0	40.0	10.0	2.0	24.0	23.0	1.0	5.0	12.0	
17	5.0	8.0	25.0	0.0	0.0	46.0	3.0	0.0	2.0	10.0	51.0	6.0	
18	20.0	7.0	3.0	0.0	3.0	12.0	42.0	7.0	13.0	18.0	3.0	5.0	
19	10.0	13.0	72.0	0.0	10.0	0.0	10.0	0.0	27.0	1.0	25.0	0.0	
20	14.0	45.0	1.0	0.0	8.0	8.0	0.0	23.0	0.0	4.0	19.0	2.0	
21	1.0	5.0	3.0	0.0	0.0	0.0	0.0	8.0	10.0	2.0	23.0	21.0	
22	0.0	7.0	8.0	8.0	0.0	0.0	1.0	1.0	1.0	21.0	7.0	0.0	
23	21.0	25.0	3.0	2.0	0.0	0.0	2.0	5.0	25.0	2.0	10.0	14.0	
24	2.0	12.0	0.0	12.0	0.0	4.0	0.0	0.0	5.0	12.0	21.0	30.0	
25	15.0	28.0	0.0	15.0	0.0	24.0	0.0	7.0	27.0	1.0	8.0	7.0	
26	8.0	0.0	0.0	20.0	0.0	59.0	0.0	7.0	24.0	28.0	1.0	0.0	
27	20.0	15.0	0.0	2.0	0.0	38.0	0.0	8.0	19.0	3.0	0.0	0.0	
28	3.0	10.0	23.0	0.0	4.0	7.0	0.0	4.0	4.0	2.0	0.0	0.0	
29	0.0		2.0	2.0	0.0	0.0	0.0	40.0	0.0	22.0	5.0	0.0	
30	28.0		4.0	14.0	0.0	19.0	4.0	0.0	10.0	1.0	22.0	0.0	
31	80.0		0.0		0.0		12.0	0.0		0.0		0.0	
Total	340.0	334.0	242.0	268.0	164.0	352.0	143.0	265.0	324.0	242.0	448.0	233.0	Anual 3355.0
Dias LI.	29	24	19	21	17	22	15	23	23	24	25	21	

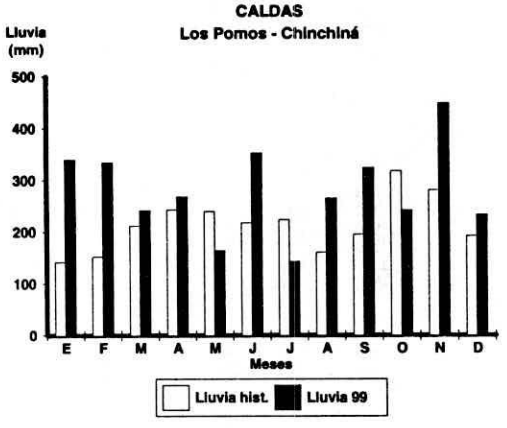
Estación : LA MATILDE Dpto. : CALDAS Latitud : ° 'N
Año : 1999 Mpio. : MANIZALES Longitud : ° m 'W
Altitud :

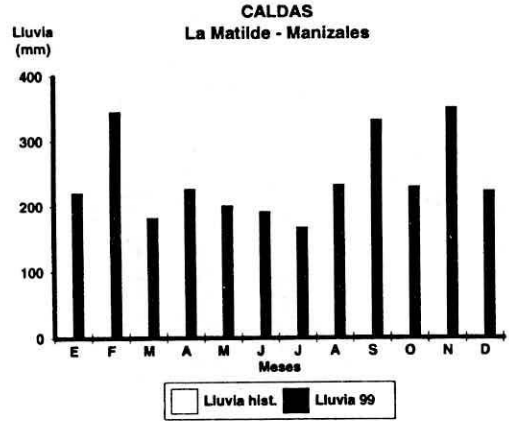
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	13.0	0.0	0.0	4.0	1.0	1.0	3.0	6.0	0.0	2.0	13.0	
2	12.0	5.0	9.0	13.0	0.0	1.0	23.0	18.0	0.0	0.0	10.0	16.0	
3	6.0	53.0	0.0	11.0	22.0	0.0	13.0	0.0	0.0	8.0	12.0	10.0	
4	7.0	3.0	0.0	13.0	8.0	13.0	0.0	0.0	2.0	0.0	16.0	27.0	
5	0.0	13.0	0.0	0.0	3.0	7.0	0.0	0.0	4.0	28.0	0.0	1.0	
6	0.0	39.0	0.0	0.0	42.0	0.0	7.0	33.0	0.0	27.0	1.0	13.0	
7	28.0	0.0	0.0	7.0	11.0	27.0	3.0	8.0	6.0	0.0	4.0	2.0	
8	38.0	0.0	0.0	20.0	3.0	6.0	0.0	23.0	0.0	0.0	3.0	0.0	
9	5.0	0.0	7.0	7.0	23.0	1.0	25.0	0.0	45.0	2.0	5.0	0.0	
10	28.0	0.0	4.0	41.0	8.0	0.0	0.0	0.0	0.0	9.0	40.0	2.0	
11	0.0	18.0	0.0	2.0	14.0	5.0	0.0	0.0	26.0	0.0	1.0	0.0	
12	0.0	0.0	0.0	5.0	18.0	1.0	1.0	7.0	8.0	0.0	36.0	22.0	
13	0.0	2.0	1.0	0.0	0.0	6.0	0.0	6.0	19.0	1.0	3.0	0.0	
14	4.0	8.0	2.0	1.0	0.0	2.0	0.0	48.0	2.0	1.0	36.0	42.0	
15	0.0	3.0	5.0	4.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	18.0	
16	0.0	4.0	22.0	0.0	0.0	20.0	1.0	2.0	52.0	10.0	1.0	13.0	
17	0.0	12.0	65.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	40.0	3.0	
18	2.0	16.0	15.0	0.0	2.0	25.0	13.0	8.0	0.0	21.0	2.0	2.0	
19	5.0	27.0	3.0	0.0	14.0	0.0	17.0	0.0	13.0	0.0	21.0	1.0	
20	1.0	0.0	21.0	1.0	13.0	3.0	0.0	33.0	2.0	4.0	21.0	0.0	
21	0.0	31.0	0.0	0.0	0.0	1.0	0.0	8.0	10.0	0.0	6.0	15.0	
22	0.0	2.0	0.0	6.0	1.0	0.0	0.0	0.0	1.0	17.0	1.0	3.0	
23	33.0	7.0	0.0	4.0	0.0	0.0	17.0	1.0	11.0	0.0	54.0	3.0	
24	5.0	19.0	0.0	17.0	1.0	8.0	0.0	0.0	6.0	2.0	20.0	18.0	
25	2.0	0.0	0.0	15.0	8.0	0.0	0.0	8.0	31.0	2.0	12.0	0.0	
26	21.0	46.0	0.0	20.0	0.0	22.0	14.0	6.0	56.0	44.0	0.0	0.0	
27	21.0	4.0	15.0	0.0	0.0	30.0	14.0	18.0	20.0	10.0	0.0	0.0	
28	3.0	20.0	0.0	0.0	0.0	2.0	0.0	2.0	8.0	6.0	0.0	0.0	
29	0.0		0.0	20.0	6.0	0.0	3.0	1.0	0.0	25.0	0.0	0.0	
30	0.0		14.0	20.0	0.0	10.0	9.0	0.0	4.0	0.0	4.0	0.0	
31	0.0		0.0		0.0		7.0	0.0		0.0		0.0	
Total	221.0	345.0	183.0	227.0	201.0	192.0	168.0	233.0	332.0	230.0	351.0	224.0	Anual 2907.0
Días LI.	17	21	13	19	18	21	16	18	21	18	24	19	

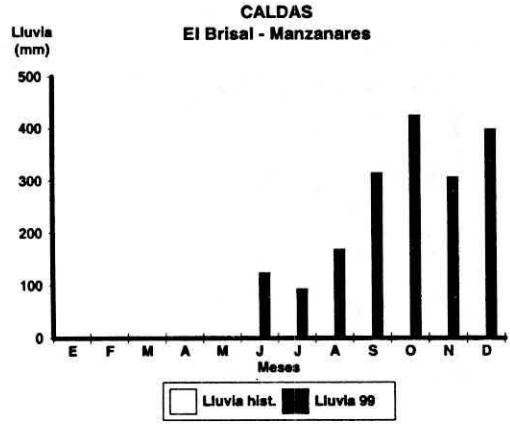
Estación : EL BRISAL Dpto. : CALDAS Latitud : ° 'N
Año : 1999 Mpio. : MANZANARES Longitud : ° m 'W
Altitud :

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1							0.0	0.0	1.0	16.0	10.0	0.0	
2							3.0	0.0	14.0	0.0	4.0	7.0	
3							11.0	0.0	12.0	3.0	2.0	39.0	
4							0.0	0.0	13.0	0.0	5.0	12.0	
5							0.0	2.0	14.0	36.0	39.0	4.0	
6							3.0	39.0	0.0	14.0	0.0	5.0	
7							2.0	0.0	75.0	11.0	7.0	35.0	
8							0.0	3.0	0.0	6.0	0.0	10.0	
9							0.0	0.0	6.0	2.0	0.0	4.0	
10							0.0	0.0	0.0	34.0	7.0	0.0	
11							0.0	0.0	36.0	0.0	26.0	27.0	
12							0.0	0.0	4.0	0.0	5.0	0.0	
13							0.0	2.0	5.0	0.0	36.0	21.0	
14							0.0	3.0	6.0	0.0	40.0	24.0	
15							0.0	0.0	0.0	32.0	0.0	49.0	
16							0.0	0.0	8.0	31.0	16.0	55.0	
17							23.0	0.0	0.0	15.0	30.0	18.0	
18							3.0	0.0	0.0	15.0	0.0	15.0	
19							19.0	0.0	13.0	10.0	16.0	36.0	
20							0.0	13.0	0.0	23.0	0.0	9.0	
21							0.0	0.0	13.0	6.0	0.0	0.0	
22							0.0	0.0	0.0	35.0	0.0	6.0	
23							0.0	0.0	0.0	0.0	12.0	0.0	
24							0.0	11.0	38.0	26.0	19.0	6.0	
25							0.0	22.0	6.0	0.0	4.0	0.0	
26							4.0	29.0	39.0	41.0	0.0	1.0	
27							1.0	30.0	0.0	13.0	12.0	0.0	
28							0.0	13.0	3.0	18.0	0.0	15.0	
29							10.0	2.0	4.0	37.0	15.0	0.0	
30							14.0	0.0	5.0	0.0	2.0	0.0	
31							0.0	0.0		0.0		0.0	
Total							93.0	169.0	315.0	424.0	307.0	398.0	Anual
Días LI.							11	12	20	21	20	21	


CALDAS
La Divisa - Chinchiná
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
Los Pomos - Chinchiná
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
La Matilde - Manizales
Lluvia (mm)
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CALDAS
El Brisal - Manzanares
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : PIAMONTE
Año : 1999

Dpto. : CALDAS
Mpio. : NEIRA

Latitud : ° 'N
Longitud : ° m 'W
Altitud :

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1							1.0	0.0	16.0	4.0	0.0	11.0	
2							0.0	6.0	24.0	28.0	26.0	5.0	
3							0.0	0.0	2.0	3.0	1.0	9.0	
4							0.0	0.0	2.0	2.0	11.0	25.0	
5							0.0	0.0	2.0	80.0	1.0	4.0	
6							1.0	50.0	1.0	12.0	9.0	5.0	
7							1.0	0.0	29.0	0.0	11.0	6.0	
8							1.0	2.0	1.0	0.0	10.0	0.0	
9							1.0	0.0	34.0	35.0	0.0	4.0	
10							0.0	0.0	15.0	10.0	12.0	0.0	
11							0.0	1.0	36.0	2.0	0.0	5.0	
12							0.0	0.0	3.0	2.0	36.0	24.0	
13							0.0	2.0	36.0	0.0	45.0	11.0	
14							0.0	18.0	1.0	0.0	30.0	43.0	
15							0.0	0.0	1.0	18.0	0.0	28.0	
16							1.0	0.0	5.0	0.0	27.0	9.0	
17							0.0	0.0	2.0	11.0	60.0	55.0	
18							0.0	1.0	0.0	13.0	8.0	74.0	
19							3.0	0.0	0.0	1.0	30.0	9.0	
20							1.0	6.0	9.0	1.0	40.0	3.0	
21							0.0	15.0	19.0	3.0	20.0	5.0	
22							0.0	1.0	3.0	26.0	3.0	2.0	
23							8.0	7.0	10.0	1.0	27.0	11.0	
24							1.0	0.0	15.0	3.0	32.0	35.0	
25							1.0	6.0	15.0	2.0	1.0	0.0	
26							0.0	4.0	3.0	60.0	1.0	0.0	
27							0.0	20.0	11.0	2.0	4.0	0.0	
28							0.0	3.0	11.0	19.0	0.0	0.0	
29							1.0	0.0	1.0	30.0	15.0	0.0	
30							1.0	0.0	3.0	5.0	9.0	0.0	
31							10.0	0.0		0.0		13.0	
Total							32.0	142.0	310.0	373.0	469.0	396.0	Anual 1794.0
Días Ll.							14	15	28	25	25	23	

Estación : INSTITUTO TECNICO
Año : 1999

Dpto. : CAUCA
Mpio. : SANTANDER DE QUILICHAO

Latitud : 3 ° 1 'N
Longitud : 76 ° 29 'W
Altitud : 1110 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	1.0	7.0	0.0	0.0	3.0	0.0	0.0	5.0	0.0	48.0	18.0	
2	3.0	13.0	0.0	17.0	38.0	0.0	2.0	0.0	0.0	0.0	54.0	2.0	
3	0.0	38.0	0.0	21.0	40.0	0.0	0.0	0.0	0.0	2.0	24.0	6.0	
4	0.0	0.0	0.0	13.0	6.0	0.0	0.0	0.0	0.0	6.0	0.0	3.0	
5	4.0	17.0	0.0	49.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	32.0	
6	10.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	67.0	0.0	
7	11.0	0.0	46.0	17.0	0.0	18.0	0.0	3.0	25.0	0.0	17.0	0.0	
8	0.0	0.0	22.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9	12.0	2.0	9.0	3.0	0.0	3.0	0.0	0.0	4.0	0.0	0.0	28.0	
10	20.0	2.0	6.0	9.0	31.0	0.0	0.0	0.0	1.0	2.0	0.0	3.0	
11	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.0	1.0	37.0	5.0	
12	13.0	23.0	15.0	5.0	2.0	18.0	0.0	1.0	5.0	0.0	0.0	2.0	
13	5.0	3.0	0.0	3.0	0.0	11.0	0.0	13.0	0.0	0.0	0.0	4.0	
14	0.0	3.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.0	2.0	
15	2.0	9.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16	11.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	3.0	0.0	21.0	
17	8.0	15.0	32.0	15.0	0.0	18.0	0.0	0.0	0.0	47.0	17.0	8.0	
18	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	5.0	24.0	
19	48.0	10.0	16.0	0.0	25.0	6.0	0.0	0.0	0.0	0.0	3.0	6.0	
20	0.0	4.0	10.0	0.0	0.0	9.0	7.0	0.0	13.0	0.0	6.0	2.0	
21	0.0	44.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	24.0	5.0	3.0	
22	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	3.0	9.0	
23	3.0	15.0	0.0	0.0	0.0	0.0	24.0	0.0	0.0	3.0	0.0	0.0	
24	8.0	1.0	19.0	31.0	0.0	2.0	0.0	13.0	22.0	27.0	0.0	6.0	
25	21.0	0.0	0.0	2.0	0.0	11.0	0.0	0.0	4.0	0.0	0.0	3.0	
26	33.0	51.0	1.0	0.0	0.0	0.0	0.0	15.0	48.0	5.0	6.0	2.0	
27	34.0	24.0	47.0	6.0	0.0	0.0	0.0	0.0	5.0	9.0	21.0	8.0	
28	5.0	22.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	
29	0.0		0.0	87.0	0.0	0.0	3.0	0.0	8.0	7.0	0.0	0.0	
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	
31	0.0		0.0		0.0		0.0	0.0		0.0		7.0	
Total	273.0	343.0	294.0	286.0	142.0	108.0	36.0	45.0	225.0	170.0	351.0	204.0	Anual 2477.0
Días Ll.	20	21	15	15	6	12	4	5	14	15	16	23	

Estación : MONDOMO
Año : 1999

Dpto. : CAUCA
Mpio. : SANTANDER DE QUILICHAO

Latitud : 2 ° 54 'N
Longitud : 76 ° 33 'W
Altitud : 1380 m

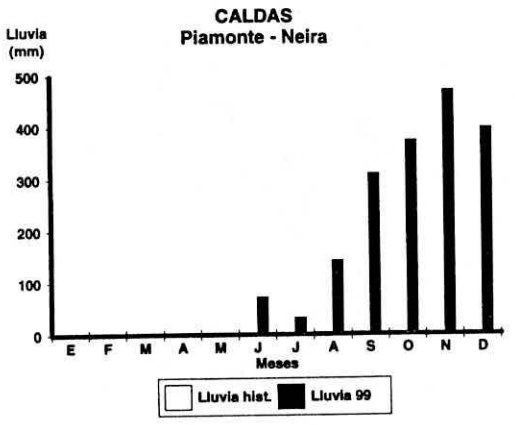
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	62.0	0.0	0.0	1.0	7.0	2.0	0.0	10.0	20.0	70.0	0.0	
2	0.0	27.0	0.0	0.0	13.0	1.0	0.0	0.0	6.0	33.0	52.0	10.0	
3	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	8.0	18.0	
4	0.0	5.0	0.0	35.0	0.0	3.0	0.0	0.0	1.0	0.0	0.0	17.0	
5	0.0	0.0	0.0	14.0	7.0	3.0	0.0	36.0	3.0	0.0	59.0	0.0	
6	0.0	0.0	0.0	6.0	2.0	7.0	1.0	14.0	14.0	0.0	8.0	0.0	
7	0.0	0.0	2.0	12.0	1.0	0.0	0.0	0.0	9.0	0.0	0.0	4.0	
8	0.0	1.0	2.0	0.0	1.0	36.0	0.0	0.0	0.0	0.0	0.0	1.0	
9	0.0	11.0	0.0	3.0	2.0	14.0	0.0	0.0	22.0	0.0	0.0	65.0	
10	3.0	0.0	0.0	15.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11	0.0	7.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	
12	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0	0.0	14.0	15.0	
13	0.0	9.0	0.0	0.0	0.0	2.0	0.0	10.0	0.0	0.0	16.0	9.0	
14	0.0	11.0	0.0	0.0	11.0	3.0	8.0	0.0	0.0	1.0	0.0	24.0	
15	0.0	22.0	14.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	1.0	18.0	
16	45.0	6.0	0.0	0.0	0.0	14.0	0.0	0.0	25.0	0.0	22.0	8.0	
17	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	32.0	77.0	
18	0.0	7.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	19.0	3.0	
19	26.0	2.0	2.0	2.0	2.0	6.0	7.0	0.0	35.0	0.0	17.0	15.0	
20	0.0	0.0	82.0	0.0	0.0	0.0	0.0	0.0	30.0	25.0	0.0	21.0	
21	0.0	24.0	25.0	0.0	2.0	0.0	0.0	0.0	0.0	6.0	0.0	5.0	
22	0.0	1.0	0.0	0.0	0.0	0.0	9.0	0.0	3.0	1.0	0.0	0.0	
23	13.0	4.0	14.0	50.0	0.0	0.0	0.0	0.0	14.0	0.0	1.0	14.0	
24	0.0	10.0	0.0	1.0	0.0	0.0	0.0	0.0	28.0	14.0	1.0	0.0	
25	7.0	0.0	0.0	2.0	0.0	0.0	0.0	17.0	45.0	40.0	21.0	0.0	
26	3.0	9.0	4.0	13.0	1.0	25.0	0.0	0.0	2.0	37.0	5.0	0.0	
27	5.0	11.0	31.0	0.0	0.0	4.0	0.0	0.0	15.0	0.0	0.0	0.0	
28	0.0	8.0	25.0	87.0	0.0	0.0	10.0	0.0	3.0	50.0	0.0	0.0	
29	0.0		0.0	1.0	0.0	2.0	0.0	0.0	4.0	0.0	15.0	0.0	
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	20.0	0.0	
31	12.0		0.0		0.0		0.0	17.0		14.0		0.0	
Total	116.0	239.0	216.0	241.0	80.0	139.0	37.0	94.0	320.0	258.0	381.0	324.0	Anual 2445.0
Días Ll.	9	20	11	13	12	16	6	5	21	13	18	17	

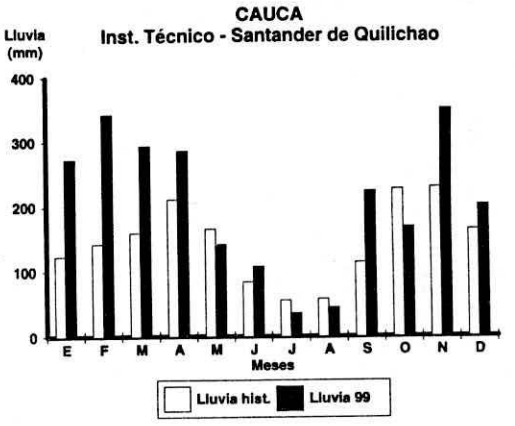
Estación : MADRIGAL
Año : 1999

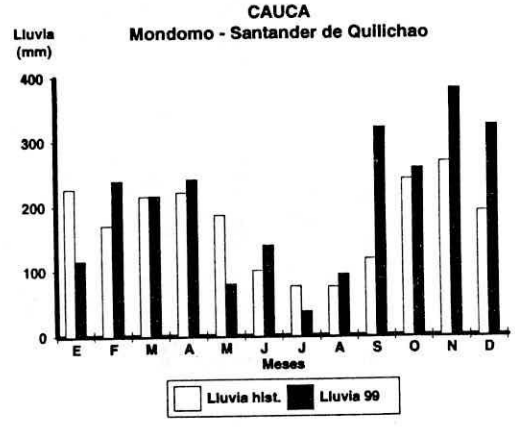
Dpto. : CAUCA
Mpio. : CALDONO

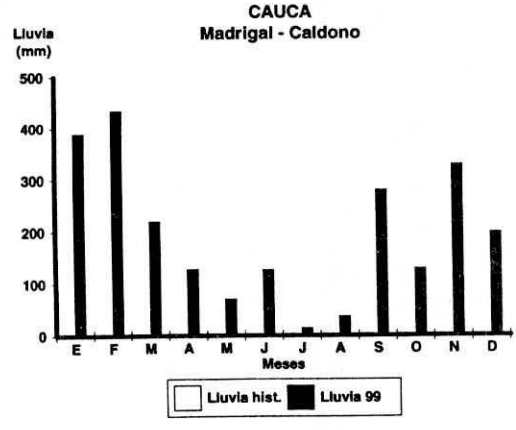
Latitud : 2 ° 51 'N
Longitud : 76 ° 33 'W
Altitud : 1480 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	0.0	55.0	18.0	
2	0.0	57.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	
3	18.0	47.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	32.0	0.0	
4	15.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	
5	11.0	38.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	0.0	
6	0.0	19.0	0.0	0.0	22.0	0.0	0.0	0.0	6.0	0.0	40.0	0.0	
7	21.0	0.0	8.0	8.0	0.0	0.0	0.0	23.0	14.0	0.0	10.0	0.0	
8	30.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	23.0	0.0	0.0	0.0	
9	20.0	7.0	0.0	16.0	12.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	
10	6.0	8.0	13.0	26.0	0.0	67.0	0.0	0.0	0.0	0.0	0.0	27.0	
11	21.0	21.0	0.0	0.0	14.0	0.0	0.0	0.0	46.0	0.0	0.0	0.0	
12	20.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	
13	30.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	16.0	0.0	0.0	0.0	
14	20.0	16.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	27.0	13.0	
15	0.0	8.0	24.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	26.0	
16	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	13.0	
17	73.0	10.0	14.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	17.0	8.0	
18	48.0	3.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	
19	8.0	8.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	47.0	47.0	
20	0.0	0.0	54.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	10.0	25.0	
21	4.0	15.0	18.0	0.0	0.0	0.0	0.0	0.0	27.0	0.0	21.0	21.0	
22	6.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23	0.0	45.0	26.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	
24	0.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	34.0	0.0	4.0	0.0	
25	8.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	8.0	0.0	0.0	0.0	
26	10.0	45.0	0.0	0.0	0.0	30.0	0.0	0.0	26.0	86.0	17.0	0.0	
27	20.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	14.0	0.0	0.0	
28	0.0	19.0	44.0	0.0	0.0	11.0	0.0	0.0	10.0	0.0	0.0	0.0	
29	0.0		6.0	21.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0	0.0	
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0	
Total	389.0	434.0	220.0	127.0	70.0	126.0	14.0	36.0	280.0	128.0	329.0	198.0	Anual 2351.0
Días Ll.	19	20	10	8	5	4	2	3	16	4	16	9	


CALDAS
Piamonte - Neira
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CAUCA
Inst. Técnico - Santander de Quilichao
Lluvia (mm)
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CAUCA
Mondomo - Santander de Quilichao
Lluvia (mm)
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CAUCA
Madrigal - Caldono
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : LA SUECIA
Año : 1999

Dpto. : CAUCA
Mpio. : EL TAMBO

Latitud : 2 ° 29 'N
Longitud : 76 ° 50 'W
Altitud : 1693 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1							5.0	0.0	0.0	0.0	6.0	10.0	
2							8.0	0.0	12.0	0.0	28.0	2.0	
3							0.0	0.0	8.0	2.0	20.0	42.0	
4							0.0	0.0	0.0	0.0	24.0	18.0	
5							0.0	7.0	11.0	0.0	6.0	24.0	
6							0.0	39.0	1.0	3.0	20.0	0.0	
7							0.0	1.0	20.0	0.0	13.0	13.0	
8							0.0	0.0	2.0	0.0	13.0	51.0	
9							0.0	0.0	30.0	0.0	10.0	9.0	
10							0.0	0.0	9.0	0.0	12.0	60.0	
11							0.0	0.0	27.0	4.0	19.0	4.0	
12							0.0	0.0	52.0	10.0	0.0	38.0	
13							0.0	0.0	25.0	0.0	0.0	40.0	
14							0.0	5.0	0.0	0.0	24.0	20.0	
15							0.0	0.0	4.0	0.0	0.0	13.0	
16							0.0	0.0	0.0	0.0	35.0	38.0	
17							0.0	0.0	0.0	10.0	1.0	7.0	
18							0.0	0.0	0.0	16.0	6.0	25.0	
19							0.0	0.0	0.0	0.0	10.0	17.0	
20							0.0	0.0	3.0	34.0	6.0	38.0	
21							0.0	6.0	10.0	53.0	42.0	21.0	
22							0.0	1.0	1.0	6.0	3.0	0.0	
23							0.0	0.0	0.0	2.0	46.0	10.0	
24							0.0	0.0	16.0	3.0	3.0	60.0	
25							0.0	3.0	12.0	1.0	4.0	0.0	
26							0.0	4.0	27.0	15.0	0.0	0.0	
27							0.0	32.0	1.0	15.0	4.0	1.0	
28							0.0	0.0	24.0	2.0	0.0	8.0	
29							0.0	0.0	0.0	31.0	1.0	0.0	
30							0.0	0.0	3.0	0.0	27.0	7.0	
31							0.0	0.0		0.0		0.0	
Total							13.0	98.0	298.0	207.0	383.0	576.0	Anual
Días Ll.							2	9	21	16	25	25	

Estación : PORTACHUELO
Año : 1999

Dpto. : CAUCA
Mpio. : ROSAS

Latitud : 2 ° 15 'N
Longitud : 76 ° 45 'W
Altitud : 1750 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	9.0	31.0	48.0	0.0	6.5	0.0	0.0	0.0	0.0	2.0	11.0	70.0	
2	20.0	0.0	0.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0	14.5	
3	35.0	12.0	0.0	17.5	11.0	0.0	0.0	0.0	0.0	3.0	21.0	19.5	
4	29.0	0.0	0.0	7.0	48.0	0.0	0.0	0.0	0.0	0.0	8.5	11.0	
5	38.0	13.0	2.0	23.0	35.0	0.0	0.0	0.0	0.0	25.5	38.0	27.0	
6	35.0	30.5	0.0	10.0	17.5	14.0	3.0	0.0	3.5	0.0	27.0	6.0	
7	23.0	2.0	0.0	21.5	22.0	0.0	0.0	0.0	4.0	0.0	33.5	0.0	
8	41.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	7.5	0.0	2.5	10.0	
9	15.5	0.0	0.0	18.0	8.5	36.0	0.0	0.0	2.0	0.0	16.0	6.0	
10	18.5	0.0	0.0	15.0	35.5	24.0	0.0	0.0	43.0	2.0	7.0	25.0	
11	8.0	0.0	3.0	0.0	4.0	3.0	0.0	0.0	26.0	20.0	4.0	6.5	
12	0.0	12.5	0.0	4.0	0.0	9.5	0.0	0.0	10.5	0.0	23.0	4.0	
13	4.0	3.0	10.0	3.0	2.5	31.0	0.0	5.0	0.0	0.0	9.0	8.0	
14	7.0	11.5	10.5	0.0	8.0	0.0	0.0	0.0	0.0	0.0	38.0	45.0	
15	3.0	9.0	6.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	12.0	17.0	
16	5.9	22.0	20.5	0.0	6.0	0.0	0.0	0.0	0.0	3.5	29.0	8.0	
17	10.0	6.0	5.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	30.0	10.5	
18	13.0	13.0	8.0	0.0	0.0	8.0	0.0	0.0	1.0	17.0	18.5	35.5	
19	9.5	7.5	40.0	0.0	1.0	7.0	0.0	0.0	0.0	0.0	41.0	18.0	
20	0.0	30.0	11.0	0.0	0.0	9.0	0.0	0.0	2.5	0.0	17.0	49.0	
21	0.0	18.0	65.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	15.5	37.5	
22	8.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	22.5	80.0	
23	14.5	6.0	0.0	6.0	0.0	0.0	16.0	16.0	0.0	0.0	25.0	8.0	
24	8.0	18.0	0.0	3.0	0.0	2.0	0.0	0.0	3.0	7.5	8.5	19.0	
25	21.0	5.0	0.0	22.0	0.0	0.0	5.5	5.5	43.0	4.0	16.0	4.0	
26	9.0	17.5	3.0	7.0	0.0	2.5	0.0	0.0	30.5	62.0	18.0	0.0	
27	0.0	26.0	0.0	19.5	47.0	19.0	0.0	0.0	12.5	23.0	0.0	3.0	
28	0.0	12.0	40.0	7.0	0.0	13.0	0.0	0.0	23.0	24.0	0.0	31.0	
29	16.0		21.0	90.0	0.0	0.0	0.0	0.0	19.5	20.0	25.0	7.0	
30	27.0		8.5	7.0	0.0	0.0	0.0	0.0	11.0	31.0	34.5	10.0	
31	9.0		1.0		0.0		0.0	0.0		17.0		0.0	
Total	436.9	308.5	304.5	321.5	265.5	195.0	24.5	26.5	242.5	263.5	574.0	590.0	Anual 3552.9
Días Ll.	26	22	18	19	15	15	3	3	16	16	28	28	

Estación : IRAN
Año : 1999

Dpto. : CORDOBA
Mpio. : PLANETA RICA

Latitud : 8 ° 26 'N
Longitud : 75 ° 32 'W
Altitud : 89 m

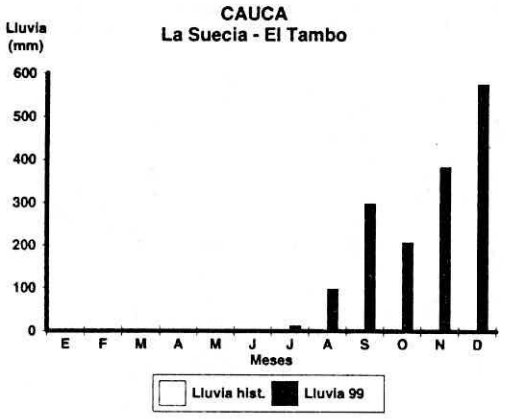
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1			0.0	50.0	0.0	0.0	8.0	0.0	47.0	87.0	0.0	0.0	
2			0.0	4.0	49.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	
3			0.0	54.0	24.0	23.0	26.0	0.0	0.0	0.0	0.0	0.0	
4			0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	
5			0.0	0.0	9.0	64.0	17.0	0.0	0.0	43.0	34.0	0.0	
6			0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	
7			0.0	60.0	0.0	61.0	0.0	0.0	0.0	0.0	0.0	0.0	
8			0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	
9			0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	
10			0.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11			0.0	23.0	0.0	0.0	0.0	56.0	12.0	6.0	63.0	0.0	
12			0.0	0.0	0.0	0.0	6.0	40.0	0.0	16.0	15.0	0.0	
13			14.0	0.0	0.0	0.0	11.0	48.0	0.0	0.0	0.0	0.0	
14			0.0	0.0	0.0	0.0	0.0	8.0	0.0	30.0	38.0	30.0	
15			0.0	0.0	11.0	0.0	12.0	0.0	0.0	32.0	0.0	0.0	
16			0.0	0.0	0.0	0.0	0.0	0.0	38.0	0.0	0.0	0.0	
17			0.0	0.0	0.0	50.0	3.0	0.0	0.0	0.0	0.0	0.0	
18			0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	
19			0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	
20			0.0	0.0	17.0	0.0	0.0	18.0	0.0	8.0	0.0	0.0	
21			0.0	0.0	0.0	10.0	0.0	0.0	35.0	8.0	0.0	0.0	
22			0.0	18.0	6.0	0.0	0.0	0.0	0.0	13.0	0.0	0.0	
23			0.0	0.0	0.0	43.0	9.0	40.0	0.0	11.0	0.0	0.0	
24			0.0	0.0	0.0	0.0	0.0	0.0	40.0	6.0	0.0	0.0	
25			0.0	0.0	0.0	0.0	0.0	18.0	0.0	36.0	10.0	0.0	
26			20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
27			0.0	0.0	0.0	55.0	24.0	0.0	0.0	0.0	0.0	0.0	
28			0.0	0.0	0.0	0.0	62.0	0.0	0.0	0.0	0.0	0.0	
29			0.0	0.0	17.0	0.0	0.0	0.0	0.0	38.0	0.0	0.0	
30			0.0	20.0	0.0	12.0	60.0	0.0	28.0	0.0	42.0	0.0	
31			5.0		36.0		0.0	0.0		0.0		0.0	
													Anual
Total			39.0	289.0	189.0	318.0	295.0	242.0	211.0	340.0	202.0	30.0	
Días LI.			3	8	9	8	15	8	7	14	6	1	

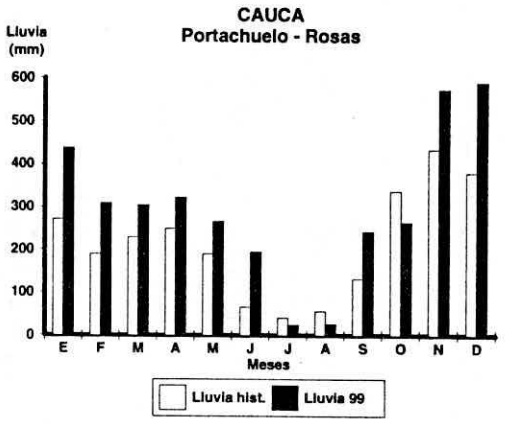
Estación : EL CAUCHO
Año : 1999

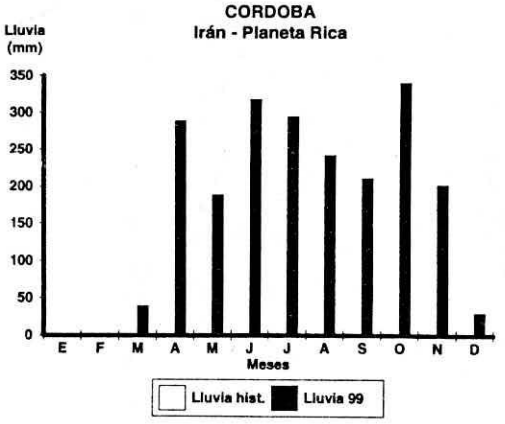
Dpto. : CORDOBA
Mpio. : PLANETA RICA

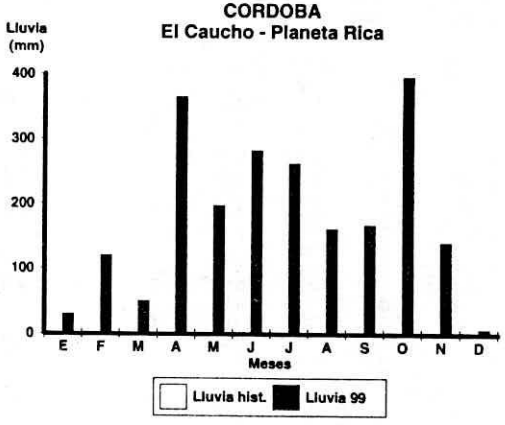
Latitud : 8 ° 26 'N
Longitud : 75 ° 32 'W
Altitud : 91 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	20.0	0.0	0.0	35.0	50.0	0.0	25.0	0.0	37.0	90.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	25.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	
3	0.0	0.0	0.0	50.0	0.0	15.0	15.0	0.0	0.0	0.0	0.0	0.0	
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	
5	0.0	0.0	0.0	0.0	7.0	50.0	35.0	0.0	0.0	35.0	27.5	0.0	
6	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	
7	0.0	0.0	0.0	80.0	0.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	
8	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	
9	0.0	0.0	0.0	0.0	0.0	0.0	5.0	14.0	0.0	0.0	0.0	0.0	
10	5.0	0.0	0.0	55.0	5.0	0.0	0.0	35.0	0.0	0.0	0.0	0.0	
11	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	10.0	0.0	50.0	0.0	
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.5	0.0	
13	0.0	5.0	0.0	0.0	0.0	0.0	15.0	50.0	0.0	0.0	0.0	0.0	
14	0.0	0.0	25.0	0.0	0.0	0.0	6.0	5.0	0.0	27.5	25.0	7.5	
15	0.0	0.0	5.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16	5.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	30.0	0.0	0.0	
17	0.0	0.0	0.0	0.0	0.0	50.0	4.0	0.0	0.0	0.0	0.0	0.0	
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	
19	0.0	0.0	20.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	
20	0.0	0.0	0.0	0.0	15.0	0.0	0.0	10.0	0.0	5.0	0.0	0.0	
21	0.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	6.0	0.0	0.0	
22	0.0	0.0	0.0	25.0	10.0	0.0	0.0	0.0	0.0	75.0	0.0	0.0	
23	0.0	0.0	0.0	0.0	0.0	50.0	10.0	17.0	0.0	25.0	0.0	0.0	
24	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	25.0	0.0	0.0	
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	45.0	0.0	0.0	
26	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	50.0	0.0	42.0	20.0	0.0	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	25.0	0.0	0.0	
29	0.0		0.0	45.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
30	0.0		0.0	0.0	0.0	10.0	35.0	0.0	40.0	0.0	30.0	0.0	
31	0.0				40.0		0.0	0.0		0.0		0.0	
													Anual
Total	30.0	120.0	50.0	365.0	197.0	282.0	262.0	161.0	167.0	395.5	140.0	7.5	2177.0
Días LI.	3	4	3	8	9	8	14	8	7	13	5	1	


CAUCA
La Suecia - El Tambo
Lluvia (mm)
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CAUCA
Portachuelo - Rosas
Lluvia (mm)
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CORDOBA
Irán - Planeta Rica
Lluvia (mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CORDOBA
El Caucho - Planeta Rica
Lluvia (mm)
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : CANAIMA
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : LA PALMA

Latitud : 5 ° 21 'N
Longitud : 74 ° 25 'W
Altitud : 1550 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	10.4	10.2	10.3	0.0	0.0	48.5	27.5	0.0	20.4	6.3	0.0	8.0	
2	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	
3	15.8	8.5	0.0	0.0	0.0	11.0	0.0	0.0	20.2	0.0	25.0	42.0	
4	10.6	10.3	13.0	19.3	31.5	10.8	0.0	0.0	0.0	0.0	0.0	56.1	
5	0.0	0.0	10.0	0.0	9.0	0.0	10.3	0.0	30.8	0.0	0.0	0.0	
6	0.0	0.0	0.0	40.8	0.0	18.5	11.5	50.3	0.0	0.0	12.8	0.0	
7	0.0	0.0	0.0	0.0	15.2	0.0	0.0	0.0	0.0	18.4	0.0	0.0	
8	0.0	0.0	0.0	19.5	20.9	0.0	0.0	0.0	0.0	0.0	17.5	0.0	
9	0.0	0.0	0.0	0.0	35.4	8.2	0.0	0.0	12.5	0.0	0.0	0.0	
10	29.5	0.0	0.0	0.0	0.0	3.5	0.0	20.5	0.0	15.6	0.0	0.0	
11	0.0	0.0	0.0	38.8	8.4	10.2	0.0	0.0	0.0	0.0	0.0	0.0	
12	0.0	0.0	0.0	0.0	20.9	8.4	0.0	0.0	22.8	0.0	15.9	43.5	
13	28.0	0.0	0.0	8.5	0.0	10.5	0.0	25.3	8.8	10.2	0.0	0.0	
14	0.0	35.4	0.0	0.0	12.7	12.8	0.0	0.0	0.0	0.0	0.0	20.8	
15	0.0	28.6	11.6	0.0	0.0	0.0	0.0	0.0	0.0	20.8	0.0	40.3	
16	0.0	0.0	0.0	28.2	0.0	18.5	0.0	0.0	74.5	0.0	25.2	0.0	
17	0.0	40.0	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	40.8	20.0	
18	0.0	28.8	0.0	0.0	0.0	0.0	0.0	18.4	0.0	20.5	0.0	18.5	
19	0.0	0.0	0.0	9.8	0.0	8.5	0.0	0.0	0.0	0.0	0.0	5.0	
20	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	
21	0.0	30.5	7.4	0.0	0.0	0.0	0.0	0.0	10.5	10.6	0.0	0.0	
22	40.8	0.0	0.0	0.0	0.0	0.0	0.0	15.6	17.4	0.0	0.0	0.0	
23	0.0	7.7	10.5	0.0	0.0	12.5	0.0	0.0	0.0	14.8	0.0	0.0	
24	0.0	0.0	0.0	14.4	0.0	10.3	20.2	0.0	0.0	20.9	0.0	6.5	
25	0.0	15.4	0.0	0.0	0.0	15.5	0.0	0.0	0.0	40.2	0.0	0.0	
26	0.0	0.0	0.0	14.2	10.5	0.0	0.0	0.0	20.3	30.6	24.0	0.0	
27	15.0	0.0	0.0	0.0	0.0	0.0	0.0	25.6	0.0	0.0	0.0	0.0	
28	0.0	0.0	14.8	0.0	0.0	18.4	0.0	0.0	34.5	40.8	0.0	0.0	
29	14.0		15.4	83.2	0.0	0.0	0.0	15.6	10.6	0.0	0.0	0.0	
30	0.0		0.0	0.0	0.0	25.3	0.0	0.0	0.0	50.2	18.0	0.0	
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0	
Total	180.7	215.4	93.0	276.7	171.5	275.2	69.5	171.3	283.3	320.8	179.2	260.7	Anual 2497.3
Días LI.	9	10	8	10	10	18	4	7	12	15	8	10	

Estación : LA VISTOSA
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : TOPAIPI

Latitud : 5 ° 20 'N
Longitud : 74 ° 16 'W
Altitud : 1374 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	1.0	23.2	47.8	13.2	0.0	10.3	0.0	0.0	0.0	2.9	3.0	
2	18.3	3.8	0.0	8.4	22.3	0.0	0.0	0.0	0.0	27.8	0.0	0.0	
3	9.7	8.7	0.0	3.0	25.4	18.3	17.1	0.0	1.9	0.0	9.5	20.0	
4	0.0	9.6	0.0	5.3	28.2	17.3	0.0	0.0	10.0	0.0	4.5	75.3	
5	0.0	1.0	0.0	0.0	11.6	2.3	39.6	0.0	13.2	33.4	8.1	5.5	
6	0.0	21.1	8.6	31.6	24.4	46.3	0.0	15.6	24.5	24.5	6.8	4.7	
7	34.6	30.1	0.0	0.0	24.4	4.5	6.3	0.0	3.0	1.5	4.2	0.0	
8	49.2	0.0	0.0	25.8	27.6	11.5	0.0	2.5	3.0	13.2	10.3	12.0	
9	2.5	0.0	41.0	14.4	10.3	4.5	0.0	0.0	14.0	4.3	0.0	0.0	
10	4.4	8.4	24.0	2.3	7.2	6.8	0.0	0.0	39.8	4.5	38.5	3.8	
11	50.3	1.0	0.0	6.5	12.3	13.3	1.7	0.0	63.4	25.5	38.3	4.8	
12	11.5	32.4	0.0	33.8	21.3	21.0	2.3	12.4	2.6	0.0	6.0	14.5	
13	2.6	13.5	1.3	6.3	5.2	15.0	0.0	44.5	13.3	0.0	3.7	17.5	
14	0.0	44.0	26.0	6.2	7.3	6.4	0.0	0.0	10.0	0.0	1.0	29.7	
15	0.0	41.0	21.0	20.0	3.2	30.0	0.0	0.0	11.2	30.1	0.0	115.5	
16	0.0	22.0	8.0	0.0	3.5	10.1	0.0	0.0	12.5	19.0	7.0	16.2	
17	0.0	17.3	23.2	0.0	15.7	27.3	8.5	0.0	13.4	14.0	10.3	41.7	
18	0.0	10.5	0.0	0.0	0.0	18.5	0.0	0.0	7.6	15.3	9.2	21.7	
19	59.7	25.3	9.8	0.0	0.0	11.3	5.3	0.0	15.6	14.0	8.5	0.0	
20	43.3	2.4	0.0	0.0	0.0	3.4	5.1	35.4	7.4	21.0	0.0	14.5	
21	23.0	31.0	0.0	0.0	0.0	10.0	2.0	0.0	12.3	25.0	0.0	0.0	
22	11.8	0.0	0.0	0.0	7.5	6.0	0.0	10.5	9.4	15.0	0.0	0.0	
23	12.1	14.0	29.4	0.0	0.0	5.0	0.0	1.5	20.4	27.1	0.0	0.0	
24	18.0	29.5	0.0	4.5	0.0	2.5	0.0	70.9	5.3	57.0	0.0	0.0	
25	0.0	12.4	0.0	46.7	5.7	19.0	0.0	1.9	7.6	6.5	2.0	0.0	
26	0.0	19.2	47.6	45.2	0.0	23.5	0.0	30.1	12.3	99.6	15.5	5.0	
27	0.0	22.3	18.3	0.0	1.1	2.0	0.0	2.1	14.7	9.5	0.0	0.0	
28	21.5	19.3	13.3	13.2	0.0	3.2	0.0	3.5	2.1	0.0	0.0	0.0	
29	0.0		29.5	78.8	3.6	16.4	0.0	0.0	11.4	23.2	0.0	0.0	
30	42.0		37.5	1.5	25.6	15.2	6.0	0.0	0.0	4.7	40.2	0.0	
31	29.3		14.5		2.2		3.0	6.7		0.0		2.1	
Total	443.8	440.8	376.2	401.3	308.8	370.6	107.2	237.6	361.9	515.7	226.5	407.5	Anual 4197.9
Días LI.	18	25	17	19	23	28	12	13	27	23	19	18	

Estación : LA ESPERANZA
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : VILLETA

Latitud : 5 ° 1 'N
Longitud : 74 ° 31 'W
Altitud : 1350 m

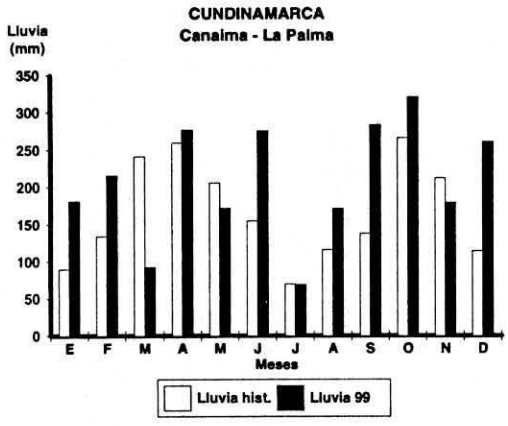
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.0	0.0	11.0	
2	5.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	11.0	
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	7.0	
4	10.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	
5	0.0	0.0	33.0	15.0	41.0	31.0	30.0	13.0	0.0	0.0	24.0	17.0	
6	0.0	0.0	0.0	7.0	8.0	0.0	15.0	0.0	0.0	0.0	9.0	5.0	
7	0.0	0.0	5.0	0.0	0.0	17.0	0.0	0.0	7.0	5.0	0.0	0.0	
8	0.0	10.0	0.0	33.0	12.0	0.0	6.0	0.0	0.0	0.0	18.0	5.0	
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.0	0.0	2.0	0.0	
10	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	
11	20.0	0.0	0.0	40.0	0.0	0.0	0.0	10.0	12.0	0.0	20.0	9.0	
12	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	14.0	0.0	0.0	
13	0.0	0.0	0.0	28.0	3.0	5.0	0.0	0.0	0.0	0.0	21.0	0.0	
14	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0	
15	3.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	15.0	
16	0.0	5.0	0.0	0.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17	0.0	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	
18	7.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	
19	0.0	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	0.0	10.0	
20	0.0	0.0	8.0	0.0	0.0	0.0	0.0	32.0	0.0	0.0	0.0	0.0	
21	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	4.0	0.0	
22	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23	0.0	25.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	
24	19.0	5.0	11.0	0.0	0.0	0.0	0.0	0.0	7.0	70.0	10.0	0.0	
25	0.0	24.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	32.0	0.0	0.0	
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	
27	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	11.0	0.0	0.0	
29	0.0		23.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	20.0	8.0	
30	0.0		0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0	
Total	89.0	169.0	121.0	162.0	124.0	101.0	51.0	55.0	142.0	221.0	153.0	119.0	Anual 1507.0
Días Ll.	8	11	7	8	5	6	3	3	10	10	11	12	

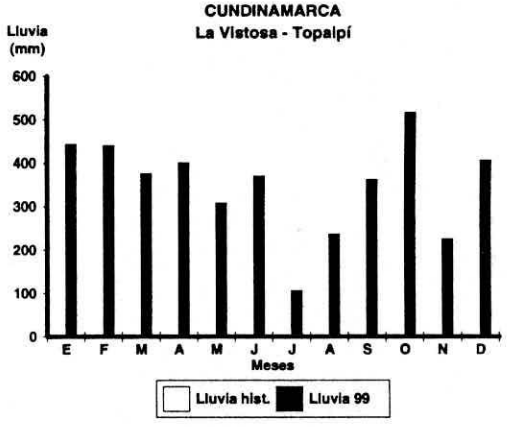
Estación : ICALI
Año : 1999

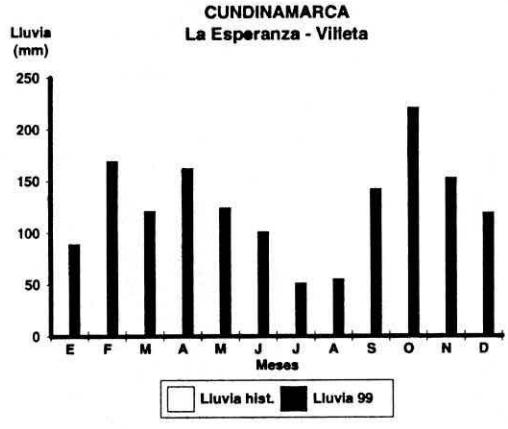
Dpto. : CUNDINAMARCA
Mpio. : SASAIMA

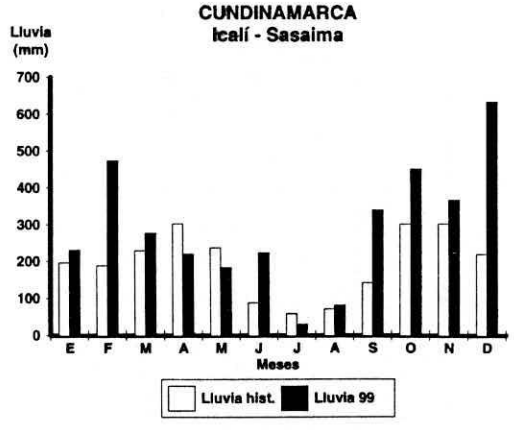
Latitud : 4 ° 57 'N
Longitud : 74 ° 26 'W
Altitud : 1380 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	3.0	24.0	5.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	25.0	
2	14.0	25.0	0.0	2.0	22.0	0.0	0.0	0.0	14.0	12.0	2.0	80.0	
3	4.0	1.0	0.0	5.0	5.0	0.0	0.0	0.0	22.0	0.0	23.0	19.0	
4	0.0	4.0	0.0	40.0	10.0	28.0	0.0	0.0	0.0	10.0	2.0	74.0	
5	0.0	20.0	4.0	0.0	30.0	0.0	17.0	0.0	0.0	13.0	0.0	45.0	
6	0.0	10.0	0.0	12.0	13.0	5.0	0.0	0.0	0.0	0.0	0.0	78.0	
7	22.0	4.0	0.0	15.0	0.0	32.0	13.0	3.0	0.0	3.0	16.0	0.0	
8	1.0	8.0	21.0	31.0	0.0	28.0	0.0	0.0	0.0	7.0	20.0	65.0	
9	2.0	0.0	11.0	15.0	45.0	5.0	0.0	3.0	0.0	15.0	0.0	0.0	
10	10.0	9.0	20.0	3.0	5.0	0.0	0.0	0.0	29.0	5.0	0.0	25.0	
11	3.0	1.0	2.0	6.0	8.0	0.0	0.0	0.0	26.0	0.0	25.0	8.0	
12	10.0	2.0	0.0	5.0	0.0	13.0	0.0	0.0	32.0	0.0	4.0	21.0	
13	2.0	44.0	2.0	0.0	0.0	15.0	0.0	7.0	30.0	0.0	16.0	55.0	
14	1.0	0.0	0.0	5.0	0.0	3.0	0.0	0.0	0.0	0.0	25.0	36.0	
15	0.0	40.0	22.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	30.0	
16	0.0	35.0	25.0	0.0	0.0	17.0	0.0	0.0	28.0	11.0	17.0	19.0	
17	19.0	5.0	35.0	0.0	0.0	21.0	0.0	0.0	7.0	14.0	18.0	20.0	
18	12.0	6.0	70.0	0.0	0.0	10.0	0.0	1.0	2.0	0.0	12.0	2.0	
19	5.0	30.0	35.0	0.0	0.0	0.0	0.0	0.0	3.0	44.0	17.0	3.0	
20	2.0	72.0	2.0	0.0	0.0	0.0	0.0	0.0	3.0	1.0	0.0	3.0	
21	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	2.0	55.0	3.0	7.0	
22	2.0	52.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0	23.0	0.0	0.0	
23	0.0	3.0	0.0	10.0	0.0	2.0	0.0	0.0	15.0	46.0	29.0	0.0	
24	35.0	10.0	0.0	3.0	0.0	0.0	0.0	35.0	60.0	4.0	4.0	0.0	
25	0.0	5.0	0.0	2.0	0.0	17.0	0.0	0.0	0.0	26.0	9.0	15.0	
26	20.0	11.0	0.0	27.0	0.0	0.0	0.0	30.0	26.0	33.0	0.0	0.0	
27	35.0	46.0	2.0	0.0	0.0	5.0	0.0	3.0	0.0	55.0	23.0	0.0	
28	26.0	6.0	3.0	7.0	0.0	18.0	0.0	0.0	9.0	16.0	0.0	1.0	
29	1.0		5.0	20.0	45.0	0.0	0.0	0.0	0.0	21.0	51.0	0.0	
30	0.0		10.0	0.0	0.0	2.0	0.0	0.0	5.0	5.0	49.0	0.0	
31	2.0		0.0		0.0		0.0	0.0		32.0		2.0	
Total	231.0	473.0	277.0	220.0	183.0	223.0	30.0	82.0	340.0	451.0	367.0	633.0	Anual 3510.0
Días Ll.	22	25	18	18	9	17	2	7	18	22	21	22	


CUNDINAMARCA
Canaima - La Palma
Lluvia (mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CUNDINAMARCA
La Vistosa - Topaipí
Lluvia (mm)
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CUNDINAMARCA
La Esperanza - Villeta
Lluvia (mm)
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CUNDINAMARCA
Icalí - Sasaima
Lluvia (mm)
700
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : SAN JUAN
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : SAN JUAN DE RIOSECO

Latitud : 4 ° 51 'N
Longitud : 74 ° 37 'W
Altitud : 1300 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	0.0	6.6	5.7	0.0	0.0	0.0	1.3	0.0	0.0	0.0	
2	0.0	8.9	0.0	0.0	0.0	0.0	0.0	0.0	2.3	6.9	0.0	35.4	
3	0.0	13.9	0.0	12.4	0.0	0.0	0.0	0.0	0.0	0.0	14.3	2.2	
4	6.5	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	11.1	0.0	0.0	
5	0.0	0.0	0.0	0.0	16.2	0.0	0.0	0.0	0.0	0.0	0.0	12.5	
6	0.0	0.0	0.0	5.2	7.5	0.0	0.0	0.0	0.0	8.9	0.0	4.4	
7	0.0	14.2	4.3	43.9	13.8	16.8	0.0	4.9	0.0	21.3	3.4	0.0	
8	11.9	0.0	1.4	35.6	0.0	0.0	0.0	0.0	8.2	4.2	7.5	14.3	
9	0.0	0.0	0.0	0.0	9.6	6.4	0.0	0.0	28.2	0.0	0.0	0.0	
10	16.3	2.7	0.0	12.1	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0	
11	2.9	0.0	8.9	0.0	9.8	0.0	0.0	0.0	0.0	0.0	1.1	0.0	
12	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	0.0	44.2	12.6	
13	0.0	0.0	0.0	0.0	8.8	4.4	0.0	0.0	14.2	0.0	0.0	8.1	
14	0.0	2.4	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	
15	0.0	39.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	1.1	
16	0.0	18.9	9.9	0.0	0.0	11.4	0.0	0.0	0.0	0.0	23.4	0.0	
17	0.0	0.0	19.8	0.0	0.0	15.4	0.0	0.0	0.0	0.0	4.9	3.4	
18	26.8	7.9	0.0	0.0	3.5	0.0	0.0	0.0	0.0	41.1	2.9	0.0	
19	5.3	0.0	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20	0.0	0.0	0.0	0.0	2.4	0.0	0.0	4.4	0.0	8.8	0.0	0.0	
21	0.0	55.3	0.0	0.0	0.0	14.6	0.0	0.0	0.0	25.6	0.0	0.0	
22	0.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23	0.0	13.7	13.4	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	
24	0.0	4.7	0.0	42.7	0.0	0.0	0.0	13.3	0.0	8.9	0.0	5.9	
25	0.0	0.0	0.0	29.5	0.0	0.0	0.0	28.7	16.4	0.0	0.0	0.0	
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	0.0	0.0	0.0	
28	0.0	24.6	0.0	0.0	0.0	29.9	0.0	0.0	0.0	47.9	0.0	0.0	
29	0.0		15.8	0.0	5.4	0.0	0.0	16.4	0.0	5.2	0.0	0.0	
30	0.0		8.2	17.1	0.0	0.0	2.4	0.0	12.5	0.0	45.1	0.0	
31	0.0		0.0		2.4		0.0	0.0		31.1		0.0	
Total	79.0	206.7	98.8	209.0	85.1	105.1	2.4	73.3	114.3	221.0	160.0	102.0	Anual 1456.7
Días LI.	7	12	11	10	11	9	1	6	10	12	10	11	

Estación : EL EDEN
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : SAN JUAN DE RIOSECO

Latitud : 4 ° 51 'N
Longitud : 74 ° 38 'W
Altitud : 1310 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	
2	0.0	47.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		10.0	0.0	0.0	
4	0.0	0.0	0.0	35.0	0.0	0.0	0.0	20.0		0.0	0.0	0.0	
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	17.0	
7	0.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	
8	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0		0.0	19.5	0.0	
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0		0.0	0.0	0.0	
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	16.5	0.0	
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		50.0	50.0	20.0	
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0		0.0	0.0	0.0	
14	0.0	29.0	11.5	25.0	0.0	0.0	0.0	0.0		0.0	0.0	30.0	
15	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0		0.0	0.0	0.0	
16	0.0	0.0	28.5	0.0	30.0	0.0	0.0	15.0		0.0	0.0	0.0	
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		30.0	84.5	50.0	
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	
19	0.0	50.0	21.0	22.0	0.0	0.0	26.0	0.0		0.0	0.0	0.0	
20	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0		25.0	0.0	0.0	
21	62.5	23.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	
24	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0		44.0	0.0	0.0	
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	
26	0.0	40.0	32.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	
27	37.0	15.5	0.0	30.0	0.0	0.0	0.0	5.5		0.0	0.0	0.0	
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		21.0	0.0	0.0	
29	0.0		0.0	0.0	55.0	0.0	0.0	0.0		40.0	24.0	0.0	
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0		0.0	40.0	0.0	
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0	
Total	99.5	270.5	93.0	142.0	85.0	7.0	26.0	95.5		220.0	234.5	117.0	Anual
Días LI.	2	9	4	5	2	1	1	5		7	6	4	

Estación : HONDURAS
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : LA MESA

Latitud : 4 ° 38 'N
Longitud : 74 ° 28 'W
Altitud : 1200 m

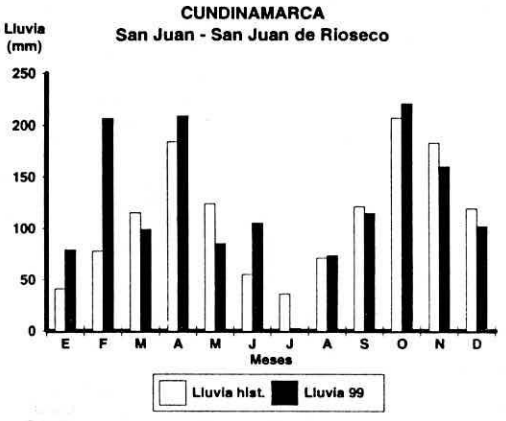
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	19.0	5.0	3.0	9.0	0.0	0.0	0.0	0.0	2.0	26.0	64.0	8.0	
2	11.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	28.0	
3	0.0	0.0	0.0	21.0	9.0	2.0	0.0	0.0	4.0	10.0	10.0	16.0	
4	4.0	16.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	4.0	28.0	0.0	
5	4.0	8.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	13.0	
6	2.0	10.0	9.0	44.0	6.0	10.0	2.0	7.0	0.0	50.0	3.0	25.0	
7	0.0	0.0	36.0	76.0	0.0	35.0	0.0	0.0	0.0	3.0	76.0	48.0	
8	0.0	0.0	5.0	14.0	3.0	1.0	0.0	4.0	3.0	0.0	6.0	0.0	
9	0.0	26.0	0.0	2.0	0.0	15.0	0.0	0.0	12.0	0.0	9.0	0.0	
10	7.0	0.0	0.0	0.0	34.0	1.0	0.0	0.0	1.0	0.0	5.0	10.0	
11	7.0	0.0	4.0	4.0	0.0	0.0	0.0	0.0	13.0	2.0	23.0	5.0	
12	11.0	0.0	1.0	0.0	4.0	13.0	0.0	0.0	45.0	0.0	6.0	14.0	
13	23.0	2.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	
14	0.0	32.0	0.0	0.0	0.0	1.0	0.0	1.0	4.0	9.0	6.0	0.0	
15	5.0	126.0	15.0	0.0	0.0	10.0	0.0	0.0	8.0	0.0	4.0	7.0	
16	32.0	8.0	32.0	0.0	0.0	0.0	0.0	8.0	3.0	4.0	26.0	0.0	
17	0.0	10.0	0.0	0.0	2.0	0.0	0.0	1.0	0.0	11.0	28.0	0.0	
18	0.0	10.0	2.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	
19	8.0	8.0	7.0	0.0	10.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	
20	0.0	4.0	27.0	0.0	1.0	7.0	0.0	0.0	0.0	45.0	0.0	10.0	
21	0.0	6.0	7.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	8.0	3.0	
22	0.0	11.0	0.0	0.0	0.0	0.0	0.0	3.0	31.0	17.0	10.0	0.0	
23	5.0	9.0	10.0	2.0	0.0	1.0	0.0	7.0	0.0	5.0	0.0	0.0	
24	3.0	20.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	40.0	12.0	16.0	
25	4.0	0.0	0.0	6.0	0.0	9.0	2.0	0.0	13.0	6.0	14.0	0.0	
26	11.0	28.0	0.0	1.0	0.0	0.0	0.0	0.0	9.0	23.0	2.0	0.0	
27	0.0	12.0	6.0	0.0	4.0	7.0	0.0	1.0	0.0	43.0	0.0	0.0	
28	0.0	0.0	9.0	0.0	5.0	0.0	0.0	2.0	4.0	1.0	0.0	11.0	
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	2.0	67.0	3.0	0.0	
30	5.0		22.0	0.0	2.0	50.0	4.0	0.0	28.0	0.0	25.0	10.0	
31	5.0		0.0		0.0		0.0	0.0		20.0		0.0	
													Anual
Total	166.0	358.0	198.0	189.0	83.0	166.0	8.0	36.0	184.0	399.0	380.0	228.0	2395.0
Días LI.	18	20	17	13	12	16	3	10	17	21	24	17	

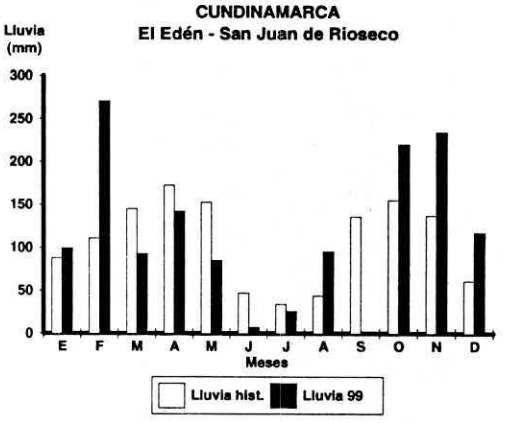
Estación : PINAR DEL RIO
Año : 1999

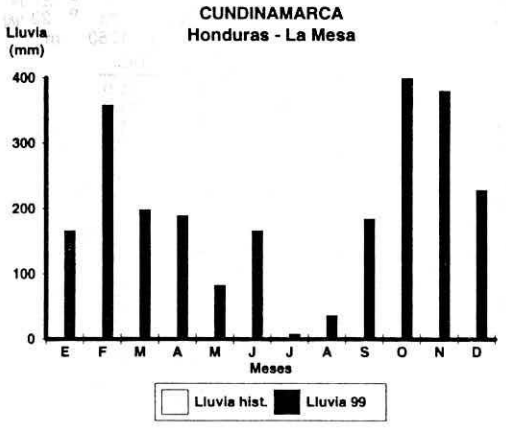
Dpto. : CUNDINAMARCA
Mpio. : SILVANIA

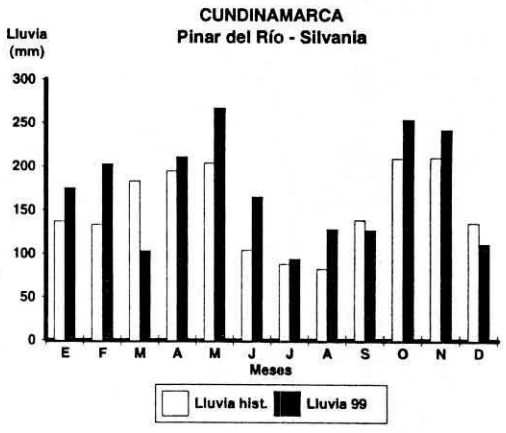
Latitud : 4 ° 27 'N
Longitud : 74 ° 23 'W
Altitud : 1750 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	11.0	11.0	12.0	0.0	2.0	1.0	2.0	2.0	2.0	8.0	11.0	
2	3.0	9.0	1.0	20.0	11.0	0.0	0.0	2.0	4.0	0.0	7.0	29.0	
3	7.0	6.0	30.0	5.0	2.0	0.0	0.0	5.0	0.0	1.0	3.0	1.0	
4	0.0	4.0	0.0	30.0	3.0	5.0	0.0	0.0	1.0	1.0	3.0	0.0	
5	1.0	1.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	
6	10.0	14.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	29.0	0.0	1.0	
7	2.0	0.0	0.0	4.0	4.0	1.0	19.0	3.0	0.0	1.0	30.0	0.0	
8	4.0	0.0	21.0	68.0	2.0	20.0	5.0	5.0	24.0	14.0	9.0	1.0	
9	4.0	2.0	0.0	3.0	20.0	35.0	0.0	8.0	10.0	6.0	0.0	0.0	
10	2.0	15.0	0.0	6.0	20.0	1.0	0.0	0.0	15.0	10.0	19.0	0.0	
11	13.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	1.0	22.0	0.0	6.0	
12	12.0	6.0	0.0	5.0	10.0	3.0	0.0	0.0	15.0	2.0	5.0	2.0	
13	0.0	0.0	0.0	0.0	50.0	49.0	0.0	1.0	5.0	0.0	35.0	0.0	
14	11.0	2.0	0.0	0.0	10.0	2.0	0.0	0.0	0.0	3.0	8.0	0.0	
15	0.0	6.0	1.0	7.0	0.0	2.0	0.0	4.0	1.0	0.0	13.0	0.0	
16	14.0	12.0	1.0	0.0	0.0	2.0	0.0	5.0	1.0	0.0	8.0	0.0	
17	20.0	5.0	10.0	0.0	0.0	0.0	20.0	0.0	0.0	8.0	2.0	0.0	
18	0.0	29.0	0.0	0.0	4.0	1.0	0.0	0.0	0.0	0.0	15.0	0.0	
19	2.0	25.0	4.0	10.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	
20	2.0	0.0	3.0	0.0	50.0	0.0	10.0	7.0	3.0	11.0	3.0	2.0	
21	0.0	9.0	3.0	0.0	30.0	0.0	1.0	0.0	0.0	10.0	1.0	4.0	
22	7.0	4.0	1.0	1.0	10.0	0.0	1.0	48.0	14.0	3.0	8.0	0.0	
23	0.0	9.0	0.0	1.0	0.0	0.0	1.0	12.0	2.0	15.0	3.0	0.0	
24	0.0	1.0	5.0	20.0	0.0	1.0	0.0	0.0	0.0	2.0	0.0	45.0	
25	19.0	18.0	0.0	2.0	0.0	0.0	0.0	7.0	3.0	1.0	32.0	0.0	
26	15.0	0.0	0.0	4.0	7.0	2.0	0.0	5.0	12.0	29.0	1.0	0.0	
27	7.0	11.0	1.0	4.0	0.0	2.0	0.0	10.0	3.0	1.0	0.0	5.0	
28	20.0	4.0	2.0	1.0	0.0	27.0	8.0	2.0	10.0	60.0	0.0	0.0	
29	0.0		9.0	0.0	3.0	0.0	8.0	2.0	0.0	0.0	0.0	0.0	
30	0.0		0.0	4.0	3.0	0.0	4.0	0.0	1.0	15.0	29.0	4.0	
31	0.0		0.0		18.0		16.0	0.0		0.0		0.0	
													Anual
Total	175.0	203.0	103.0	211.0	267.0	165.0	94.0	128.0	127.0	254.0	242.0	111.0	2080.0
Días LI.	20	22	15	20	19	17	12	17	19	24	21	12	


CUNDINAMARCA
San Juan - San Juan de Rioseco
Lluvia (mm)
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CUNDINAMARCA
El Edén - San Juan de Rioseco
Lluvia (mm)
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CUNDINAMARCA
Honduras - La Mesa
Lluvia (mm)
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CUNDINAMARCA
Pinar del Río - Silvania
Lluvia (mm)
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : SAN LUIS
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : ARBELAEZ

Latitud : 4 ° 14 'N
Longitud : 74 ° 26 'W
Altitud : 1700 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	4.8	49.1	.5	1.2	2.1	10.1	1.1	11.5	.5				
2	5.3	0.0	1.2	1.1	3.1	0.0	0.0	2.6	0.0				
3	0.0	4.9	8.6	3.1	2.9	0.0	0.0	0.0	0.0				
4	2.6	.2	1.9	43.1	1.5	1.4	1.1	0.0	1.7				
5	1.4	12.4	5.2	1.1	5.2	2.1	1.2	0.0	0.0				
6	16.1	31.5	.3	61.5	6.4	2.6	2.2	0.0	0.0				
7	38.3	1.5	0.0	2.2	14.4	3.9	2.3	7.1	2.2				
8	11.3	1.3	7.5	39.8	2.3	.3	0.0	6.9	.9				
9	15.1	0.0	.5	4.4	4.4	2.1	1.2	0.0	12.1				
10	46.1	2.9	0.0	2.1	5.6	4.1	0.0	0.0	14.6				
11	1.9	0.0	.5	.5	5.4	4.3	0.0	6.1	3.2				
12	4.9	3.1	0.0	7.1	1.5	20.2	1.7	.2	9.1				
13	11.9	4.3	0.0	.4	8.7	20.6	.5	0.0	9.2				
14	6.4	8.2	0.0	2.1	0.0	1.1	0.0	0.0	5.1				
15	4.7	0.0	5.7	1.5	0.0	0.0	0.0	4.1	32.2				
16	.2	20.5	6.1	0.0	0.0	.9	0.0	0.0	8.3				
17	8.1	4.7	50.4	0.0	0.0	1.1	0.0	0.0	0.0				
18	.1	11.6	.3	0.0	0.0	2.1	0.0	0.0	0.0				
19	0.0	1.5	0.0	0.0	1.7	1.3	0.0	0.0	0.0				
20	0.0	1.7	3.2	1.5	4.1	2.5	.6	5.3	2.6				
21	3.6	32.5	3.1	0.0	.3	3.2	.5	0.0	3.9				
22	0.0	5.9	20.1	0.0	1.1	1.1	0.0	0.0	2.8				
23	0.0	1.6	2.3	.6	0.0	1.3	0.0	4.7	2.3				
24	2.1	2.5	4.4	15.1	0.0	0.0	1.1	3.2	3.1				
25	8.0	2.6	1.5	18.1	0.0	1.2	1.2	5.9	1.3				
26	.6	5.1	0.0	18.2	0.0	.2	.4	2.1	6.1				
27	1.0	13.2	0.0	2.6	.7	1.2	.5	1.7	5.2				
28	0.0	9.4	2.1	4.1	.9	1.3	1.3	0.0	2.1				
29	0.0		6.1	12.8	12.5	0.0	4.7	0.0	2.0				
30	0.0		0.0	3.2	0.0	.3	3.1	13.0	0.0				
31	0.0		0.0		2.2		7.3	1.4					
													Anual
Total	194.5	232.2	131.5	247.4	87.0	90.5	32.0	75.8	130.5				
Días LI.	22	24	21	24	21	25	18	15	22				

Estación : CERINZA
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : VERGARA

Latitud : ° 'N
Longitud : ° m 'W
Altitud :

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	2.3	42.3	0.0	35.2	1.3	6.5	3.4	0.0	3.1	5.7	0.0	15.4	
2	3.2	0.0	0.0	0.0	2.2	2.2	8.6	0.0	0.0	0.0	2.6	6.8	
3	59.8	26.2	3.6	14.3	4.6	6.4	0.0	3.5	0.0	0.0	5.4	14.4	
4	0.0	16.4	0.0	15.6	2.4	9.1	0.0	0.0	1.2	0.0	0.0	50.2	
5	0.0	6.9	0.0	0.0	1.3	1.2	0.0	0.0	0.0	53.6	7.4	0.0	
6	0.0	12.6	0.0	23.4	20.2	0.0	0.0	8.9	0.0	5.2	35.2	0.0	
7	5.4	46.6	0.0	12.2	2.6	0.0	12.4	4.2	3.7	0.0	28.4	0.0	
8	10.4	0.0	41.5	20.2	12.5	6.2	0.0	0.0	1.9	0.0	0.0	0.0	
9	1.2	1.2	33.6	47.2	34.6	5.3	0.0	0.0	9.8	0.0	27.5	46.2	
10	17.8	0.0	0.0	0.0	1.4	11.1	0.0	0.0	10.5	0.0	32.4	0.0	
11	5.5	0.0	0.0	4.7	7.5	0.0	0.0	0.0	6.6	0.0	2.3	0.0	
12	11.4	0.0	0.0	33.2	5.4	48.5	0.0	2.3	2.4	0.0	0.0	6.4	
13	0.0	25.8	0.0	0.0	18.3	1.4	0.0	1.4	27.6	0.0	11.6	8.3	
14	0.0	42.2	0.0	0.0	0.0	1.2	0.0	0.0	2.1	2.6	0.0	0.0	
15	0.0	0.0	0.0	0.0	0.0	12.5	0.0	0.0	2.4	25.2	0.0	2.8	
16	1.5	37.3	14.7	0.0	0.0	4.6	0.0	0.0	20.6	5.3	6.8	46.2	
17	28.7	17.8	33.7	0.0	0.0	42.6	0.0	0.0	0.0	4.6	22.4	14.4	
18	0.0	14.1	5.3	0.0	0.0	5.6	0.0	0.0	0.0	0.0	22.6	2.6	
19	4.2	28.2	15.1	0.0	0.0	0.0	0.0	0.0	0.0	14.4	13.7	4.2	
20	40.5	7.6	6.8	0.0	7.7	6.2	0.0	0.0	23.3	1.3	0.0	3.7	
21	4.6	43.7	2.3	0.0	0.0	6.1	0.0	3.7	1.2	5.2	0.0	0.0	
22	0.0	0.0	59.8	0.0	0.0	1.6	2.2	0.0	6.8	8.3	0.0	0.0	
23	0.0	7.8	0.0	0.0	0.0	2.2	3.6	0.0	3.4	31.6	6.2	0.0	
24	0.0	36.7	13.2	15.9	0.0	0.0	0.0	12.7	2.4	2.2	16.6	0.0	
25	0.0	7.6	0.0	22.6	0.0	4.8	0.0	1.3	7.6	0.0	10.3	0.0	
26	27.2	53.6	0.0	15.2	4.7	3.6	0.0	14.7	38.9	47.6	9.2	0.0	
27	12.3	48.8	12.6	1.4	7.6	5.6	0.0	3.7	0.0	6.6	0.0	0.0	
28	0.0	2.6	22.9	6.7	0.0	3.4	0.0	0.0	12.6	15.9	0.0	0.0	
29	0.0		27.7	15.8	4.1	15.3	0.0	0.0	47.3	8.5	0.0	0.0	
30	4.2		7.6	23.2	1.8	2.6	0.0	0.0	0.0	2.0	12.2	0.0	
31	0.0		8.7		0.0		8.8	0.0		32.2		0.0	
													Anual
Total	240.2	526.0	309.1	306.8	140.2	215.8	39.0	56.4	235.4	278.0	272.8	221.6	2841.3
Días LI.	17	21	16	16	18	25	6	10	21	19	18	13	

Estación : EL JARDIN
Año : 1999

Dpto. : CUNDINAMARCA
Mpio. : YACOPI

Latitud : ° 'N
Longitud : ° m 'W
Altitud :

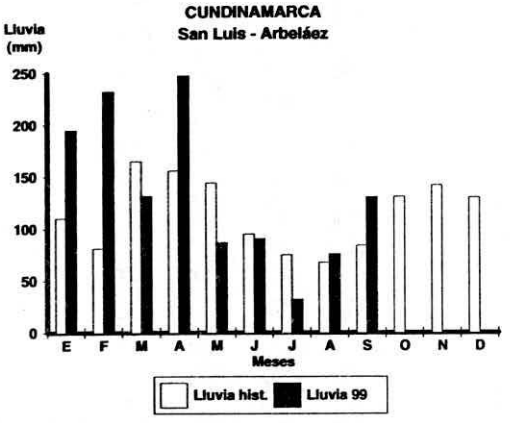
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	25.0	15.0	0.0	21.0	4.0	28.0	0.0	12.0	7.0	0.0	10.0	
2	10.0	10.0	0.0	10.0	32.0	0.0	3.0	0.0	15.0	0.0	0.0	0.0	
3	0.0	8.0	0.0	0.0	5.0	18.0	11.0	0.0	12.0	0.0	5.0	5.0	
4	10.0	0.0	0.0	0.0	10.0	10.0	0.0	0.0	19.0	26.0	10.0	20.0	
5	18.0	0.0	0.0	0.0	1.0	2.0	15.0	4.0	7.0	102.0	0.0	10.0	
6	0.0	0.0	15.0	10.0	16.0	0.0	0.0	0.0	4.0	25.0	0.0	0.0	
7	20.0	5.0	3.0	30.0	3.0	5.0	12.0	0.0	18.0	17.0	4.0	4.0	
8	0.0	8.0	9.0	35.0	5.0	4.0	0.0	0.0	9.0	19.0	3.0	3.0	
9	0.0	25.0	20.0	25.0	11.0	3.0	0.0	0.0	11.0	11.0	0.0	0.0	
10	15.0	0.0	8.0	20.0	2.0	10.0	0.0	0.0	9.0	0.0	3.0	0.0	
11	10.0	8.0	0.0	20.0	28.0	20.0	0.0	0.0	7.0	4.0	20.0	3.0	
12	0.0	5.0	0.0	45.0	26.0	14.0	2.0	0.0	10.0	0.0	17.0	9.0	
13	5.0	10.0	25.0	18.0	22.0	8.0	0.0	17.0	3.0	14.0	9.0	0.0	
14	25.0	0.0	10.0	25.0	13.0	7.0	0.0	7.0	0.0	0.0	8.0	25.0	
15	0.0	3.0	7.0	22.0	28.0	10.0	0.0	0.0	5.0	5.0	0.0	15.0	
16	0.0	0.0	0.0	0.0	0.0	11.0	16.0	0.0	21.0	15.0	18.0	6.0	
17	10.0	15.0	0.0	0.0	11.0	16.0	2.0	0.0	0.0	45.0	11.0	3.0	
18	0.0	10.0	10.0	0.0	13.0	3.0	0.0	0.0	0.0	10.0	15.0	0.0	
19	15.0	8.0	30.0	7.0	0.0	13.0	17.0	0.0	0.0	3.0	6.0	3.0	
20	0.0	7.0	1.0	0.0	0.0	7.0	0.0	10.0	0.0	12.0	4.0	0.0	
21	0.0	5.0	0.0	6.0	0.0	19.0	0.0	17.0	25.0	7.0	0.0	0.0	
22	5.0	3.0	0.0	3.0	10.0	0.0	7.0	20.0	19.0	23.0	0.0	0.0	
23	15.0	12.0	0.0	2.0	24.0	10.0	0.0	9.0	23.0	15.0	0.0	0.0	
24	9.0	10.0	5.0	13.0	0.0	4.0	0.0	6.0	20.0	27.0	0.0	0.0	
25	0.0	20.0	0.0	50.0	0.0	38.0	0.0	2.0	18.0	14.0	8.0	0.0	
26	25.0	0.0	0.0	40.0	0.0	68.0	0.0	22.0	15.0	29.0	0.0	0.0	
27	8.0	15.0	0.0	0.0	0.0	11.0	0.0	5.0	7.0	24.0	0.0	0.0	
28	10.0	2.0	7.0	7.0	0.0	10.0	9.0	0.0	8.0	0.0	0.0	0.0	
29	0.0		0.0	14.0	0.0	4.0	0.0	0.0	10.0	30.0	0.0	0.0	
30	0.0		0.0	0.0	0.0	70.0	0.0	10.0	15.0	0.0	15.0	0.0	
31	15.0		2.0		0.0		0.0	0.0		5.0		0.0	
Total	225.0	214.0	167.0	402.0	281.0	399.0	122.0	129.0	322.0	489.0	156.0	116.0	Anual 3022.0
Días Ll.	17	21	15	20	19	27	11	12	25	24	16	13	

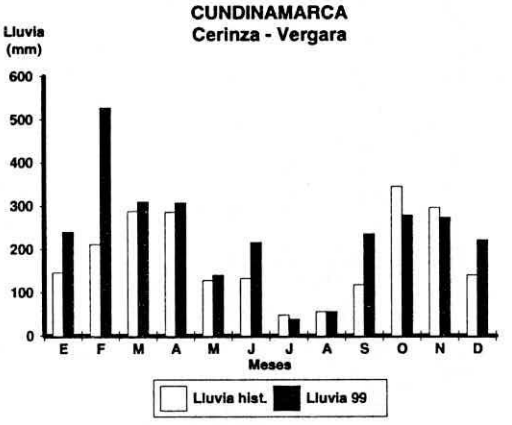
Estación : GUAYABAL
Año : 1999

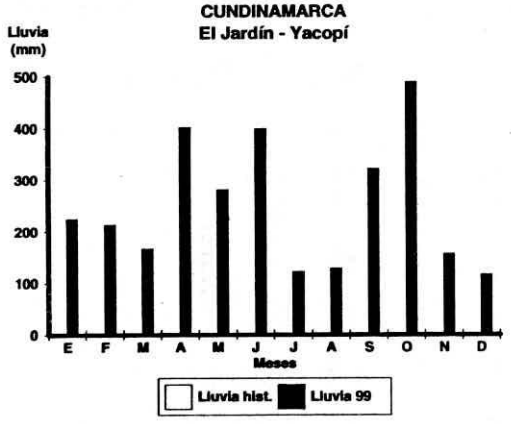
Dpto. : HUILA
Mpio. : ALGECIRAS

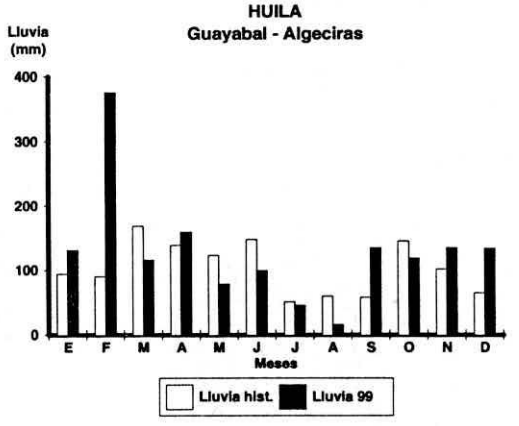
Latitud : 2 ° 33 'N
Longitud : 75 ° 15 'W
Altitud : 1460 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	1.0	0.0	5.0	0.0	5.0	6.0	4.0	0.0	11.0	4.0	15.0	12.0	
2	0.0	39.0	6.0	0.0	5.0	0.0	0.0	0.0	0.0	2.0	12.0	4.0	
3	8.0	2.0	1.0	0.0	5.0	0.0	5.0	0.0	5.0	11.0	0.0	0.0	
4	31.0	0.0	0.0	40.0	0.0	15.0	0.0	0.0	13.0	2.0	11.0	3.0	
5	15.0	0.0	0.0	19.0	6.0	2.0	2.0	0.0	0.0	0.0	9.0	0.0	
6	0.0	1.0	0.0	4.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	2.0	
7	0.0	4.0	1.0	22.0	0.0	6.0	0.0	7.0	0.0	0.0	0.0	4.0	
8	3.0	55.0	0.0	9.0	0.0	5.0	0.0	5.0	7.0	7.0	8.0	0.0	
9	0.0	55.0	21.0	11.0	4.0	0.0	0.0	0.0	2.0	0.0	3.0	0.0	
10	43.0	55.0	0.0	1.0	2.0	8.0	0.0	0.0	17.0	0.0	0.0	3.0	
11	5.0	0.0	3.0	26.0	6.0	0.0	0.0	0.0	6.0	2.0	0.0	1.0	
12	0.0	6.0	0.0	0.0	7.0	12.0	0.0	2.0	1.0	14.0	0.0	0.0	
13	1.0	0.0	1.0	0.0	10.0	4.0	0.0	2.0	8.0	0.0	0.0	0.0	
14	3.0	2.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	
15	6.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	7.0	
16	0.0	36.0	5.0	0.0	6.0	0.0	0.0	0.0	15.0	3.0	18.0	6.0	
17	0.0	5.0	5.0	2.0	0.0	5.0	0.0	0.0	1.0	2.0	0.0	0.0	
18	0.0	5.0	10.0	0.0	0.0	2.0	0.0	0.0	0.0	4.0	15.0	0.0	
19	1.0	3.0	10.0	0.0	0.0	1.0	3.0	0.0	0.0	0.0	5.0	2.0	
20	0.0	10.0	12.0	0.0	3.0	8.0	2.0	0.0	0.0	0.0	1.0	3.0	
21	0.0	45.0	14.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	14.0	22.0	
22	4.0	4.0	3.0	0.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	31.0	
23	0.0	24.0	0.0	1.0	0.0	4.0	6.0	0.0	7.0	33.0	0.0	15.0	
24	6.0	1.0	0.0	6.0	0.0	8.0	9.0	0.0	0.0	1.0	10.0	16.0	
25	0.0	4.0	5.0	1.0	3.0	0.0	0.0	0.0	1.0	7.0	4.0	0.0	
26	0.0	4.0	5.0	5.0	0.0	0.0	0.0	0.0	10.0	2.0	1.0	0.0	
27	0.0	1.0	0.0	3.0	2.0	0.0	0.0	0.0	0.0	5.0	2.0	0.0	
28	0.0	13.0	0.0	0.0	12.0	6.0	8.0	0.0	5.0	4.0	2.0	2.0	
29	0.0		0.0	2.0	1.0	0.0	2.0	0.0	6.0	15.0	0.0	0.0	
30	4.0		9.0	0.0	0.0	2.0	6.0	0.0	14.0	0.0	4.0	0.0	
31	0.0		0.0		0.0		4.0	0.0		0.0		0.0	
Total	131.0	375.0	116.0	159.0	79.0	100.0	46.0	16.0	135.0	118.0	135.0	134.0	Anual 1544.0
Días Ll.	14	23	17	16	16	19	11	4	18	17	18	17	


CUNDINAMARCA
San Luis - Arbeláez
Lluvia (mm)
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CUNDINAMARCA
Cerinza - Vergara
Lluvia (mm)
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


CUNDINAMARCA
El Jardín - Yacopí
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


HUILA
Guayabal - Algeciras
Lluvia (mm)
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : LA VICTORIA
Año : 1999

Dpto. : MAGDALENA
Mpio. : SANTA MARTA

Latitud : 11 ° 7 'N
Longitud : 74 ° 6 'W
Altitud : 1100 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	2.0	0.0	0.0	0.0	14.0	0.0	4.0	14.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	0.0	0.0	12.0	6.0	5.0	0.0	3.0	5.0	
3	0.0	0.0	0.0	8.0	0.0	9.0	0.0	12.0	0.0	3.0	10.0	15.0	
4	0.0	0.0	0.0	12.0	0.0	0.0	0.0	20.0	14.0	5.0	0.0	56.0	
5	0.0	0.0	0.0	17.0	0.0	30.0	10.0	13.0	0.0	9.0	0.0	0.0	
6	0.0	0.0	0.0	11.0	0.0	4.0	63.0	5.0	8.0	20.0	65.0	2.0	
7	0.0	0.0	0.0	6.0	0.0	21.0	4.0	37.0	0.0	46.0	0.0	3.0	
8	0.0	0.0	0.0	3.0	15.0	0.0	8.0	37.0	7.0	0.0	47.0	7.0	
9	0.0	0.0	0.0	10.0	0.0	0.0	27.0	0.0	3.0	3.0	0.0	10.0	
10	0.0	0.0	0.0	0.0	0.0	16.0	26.0	0.0	46.0	2.0	0.0	38.0	
11	0.0	6.0	0.0	0.0	6.0	0.0	3.0	17.0	6.0	21.0	24.0	65.0	
12	0.0	5.0	0.0	0.0	0.0	10.0	0.0	33.0	10.0	3.0	4.0	45.0	
13	0.0	2.0	0.0	4.0	6.0	16.0	2.0	46.0	6.0	5.0	18.0	18.0	
14	0.0	1.0	2.0	0.0	0.0	13.0	30.0	65.0	3.0	63.0	180.0	59.0	
15	0.0	0.0	4.0	5.0	0.0	46.0	4.0	15.0	8.0	23.0	40.0	25.0	
16	0.0	0.0	0.0	4.0	0.0	36.0	18.0	0.0	2.0	22.0	12.0	28.0	
17	0.0	0.0	0.0	0.0	0.0	59.0	5.0	4.0	0.0	19.0	0.0	7.0	
18	0.0	0.0	0.0	0.0	3.0	6.0	8.0	11.0	19.0	0.0	3.0	0.0	
19	0.0	3.0	0.0	0.0	24.0	5.0	0.0	16.0	25.0	0.0	3.0	0.0	
20	0.0	1.0	0.0	0.0	0.0	6.0	2.0	6.0	7.0	18.0	3.0	0.0	
21	0.0	2.0	0.0	0.0	0.0	0.0	26.0	0.0	8.0	11.0	0.0	0.0	
22	0.0	0.0	5.0	0.0	0.0	6.0	14.0	0.0	0.0	10.0	0.0	8.0	
23	0.0	0.0	3.0	20.0	0.0	0.0	4.0	0.0	32.0	12.0	0.0	0.0	
24	0.0	0.0	2.0	18.0	0.0	0.0	0.0	2.0	0.0	38.0	9.0	0.0	
25	0.0	0.0	4.0	22.0	0.0	0.0	17.0	3.0	20.0	12.0	0.0	0.0	
26	0.0	0.0	0.0	42.0	0.0	50.0	0.0	6.0	19.0	53.0	0.0	3.0	
27	0.0	2.0	0.0	5.0	3.0	25.0	24.0	38.0	5.0	20.0	0.0	0.0	
28	0.0	0.0	0.0	0.0	0.0	5.0	7.0	2.0	51.0	80.0	0.0	0.0	
29	0.0		0.0	4.0	0.0	57.0	0.0	0.0	8.0	0.0	12.0	0.0	
30	0.0		0.0	8.0	0.0	9.0	0.0	0.0	15.0	36.0	98.0	2.0	
31	0.0		0.0		11.0		0.0	7.0		0.0		0.0	
													Anual
Total	0.0	22.0	22.0	199.0	68.0	429.0	328.0	401.0	331.0	548.0	531.0	396.0	3275.0
Días Ll.	0	8	7	17	7	20	22	22	24	25	16	18	

Estación : MARINGA
Año : 1999

Dpto. : META
Mpio. : ACACIAS

Latitud : 3 ° 58 'N
Longitud : 73 ° 36 'W
Altitud : 380 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	0.0	0.0	0.0	8.0	1.0	12.0	0.0	46.0	0.0		
2	12.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	40.0	27.0		
3	0.0	0.0	0.0	0.0	58.0	17.0	12.0	0.0	8.0	20.0	0.0		
4	0.0	0.0	0.0	83.0	2.0	0.0	16.0	0.0	13.0	1.0	0.0		
5	0.0	0.0	0.0	115.0	0.0	40.0	0.0	0.0	0.0	9.0	0.0		
6	0.0	1.0	0.0	32.0	0.0	0.0	0.0	7.0	1.0	3.0	0.0		
7	0.0	0.0	0.0	0.0	5.0	1.0	0.0	0.0	0.0	6.0	0.0		
8	0.0	0.0	0.0	49.0	11.0	2.0	0.0	20.0	0.0	0.0	0.0		
9	0.0	2.0	0.0	8.0	92.0	0.0	0.0	2.0	3.0	0.0	0.0		
10	0.0	41.0	0.0	0.0	0.0	0.0	0.0	4.0	4.0	0.0	123.0		
11	0.0	2.0	22.0	30.0	60.0	16.0	1.0	0.0	0.0	1.0	4.0		
12	5.0	42.0	13.0	0.0	8.0	0.0	0.0	0.0	3.0	0.0	0.0		
13	7.0	9.0	0.0	9.0	0.0	67.0	0.0	0.0	0.0	0.0	0.0		
14	0.0	1.0	0.0	29.0	8.0	0.0	5.0	10.0	6.0	20.0	0.0		
15	0.0	21.0	0.0	2.0	0.0	2.0	1.0	4.0	7.0	93.0	0.0		
16	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	33.0	3.0	7.0		
17	0.0	27.0	0.0	0.0	10.0	4.0	53.0	0.0	10.0	0.0	10.0		
18	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	10.0		
19	0.0	23.0	0.0	11.0	12.0	4.0	10.0	0.0	0.0	10.0	0.0		
20	10.0	28.0	0.0	3.0	4.0	126.0	12.0	0.0	5.0	0.0	0.0		
21	5.0	12.0	4.0	2.0	13.0	19.0	0.0	0.0	0.0	7.0	16.0		
22	10.0	0.0	9.0	8.0	2.0	36.0	16.0	0.0	22.0	0.0	28.0		
23	13.0	0.0	0.0	34.0	80.0	2.0	0.0	1.0	0.0	11.0	66.0		
24	0.0	19.0	0.0	76.0	0.0	31.0	11.0	0.0	0.0	1.0	0.0		
25	0.0	1.5	0.0	0.0	0.0	4.0	0.0	2.0	3.0	17.0	2.0		
26	0.0	0.0	0.0	69.0	0.0	0.0	8.0	0.0	23.0	0.0	0.0		
27	0.0	0.0	0.0	19.0	0.0	7.0	9.0	0.0	6.0	0.0	0.0		
28	0.0	0.0	0.0	37.0	25.0	44.0	0.0	19.0	30.0	0.0	0.0		
29	0.0		0.0	6.0	28.0	3.0	0.0	0.0	0.0	26.0	0.0		
30	0.0		0.0	10.0	2.0	0.0	16.0	0.0	0.0	0.0	0.0		
31	0.0		0.0		2.0		30.0	0.0		4.0			
													Anual
Total	63.0	232.5	48.0	635.0	422.0	433.0	201.0	81.0	177.0	336.0	293.0		
Días Ll.	8	16	4	21	18	19	15	10	16	19	10		

Estación : SANTA HELENA
Año : 1999

Dpto. : META
Mpio. : SAN CARLOS GUAROA

Latitud : 3 ° 50 'N
Longitud : 73 ° 20 'W
Altitud : 280 m

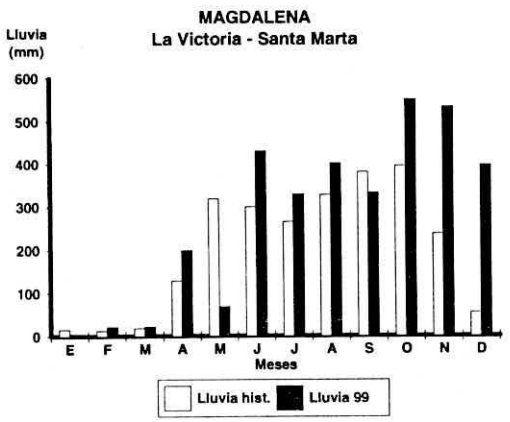
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	2.0		
2	0.0	0.0	0.0	0.0	65.0	10.0	0.0	0.0	23.0	13.0	0.0		
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	5.0	0.0		
4	0.0	0.0	0.0	40.0	0.0	15.0	21.0	0.0	0.0	0.0	0.0		
5	0.0	0.0	0.0	100.0	6.0	0.0	0.0	19.0	0.0	0.0	0.0		
6	0.0	0.0	0.0	69.0	0.0	0.0	0.0	32.0	0.0	12.0	0.0		
7	0.0	0.0	0.0	130.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
8	0.0	0.0	0.0	0.0	45.0	47.0	0.0	9.0	0.0	0.0	0.0		
9	0.0	0.0	0.0	30.0	115.0	0.0	0.0	0.0	0.0	18.0	105.0		
10	0.0	0.0	48.0	0.0	0.0	0.0	0.0	0.0	23.0	9.0	2.0		
11	10.0	5.0	0.0	0.0	58.0	0.0	0.0	0.0	5.0	0.0	0.0		
12	0.0	0.0	65.0	25.0	60.0	66.0	0.0	0.0	42.0	4.0	0.0		
13	0.0	15.0	0.0	15.0	0.0	0.0	25.0	50.0	0.0	53.0	0.0		
14	0.0	9.0	0.0	0.0	0.0	40.0	0.0	7.0	8.0	0.0	0.0		
15	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	2.0	1.0		
16	0.0	35.0	0.0	0.0	0.0	36.0	60.0	0.0	12.0	0.0	20.0		
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	19.0		
18	0.0	0.0	0.0	8.0	0.0	0.0	13.0	0.0	2.0	20.0	0.0		
19	20.0	75.0	10.0	7.0	45.0	50.0	5.0	0.0	0.0	0.0	0.0		
20	3.0	30.0	18.0	0.0	0.0	46.0	0.0	0.0	0.0	0.0	0.0		
21	2.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	82.0	0.0	37.0		
22	13.0	0.0	0.0	0.0	31.0	58.0	0.0	0.0	0.0	0.0	64.0		
23	6.0	22.0	0.0	78.0	55.0	13.0	0.0	0.0	0.0	0.0	0.0		
24	0.0	0.0	5.0	6.0	0.0	0.0	0.0	0.0	3.0	23.0	0.0		
25	0.0	0.0	0.0	79.0	0.0	0.0	0.0	0.0	47.0	0.0	0.0		
26	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	14.0	0.0	0.0		
27	0.0	0.0	0.0	16.0	10.0	0.0	0.0	8.0	0.0	0.0	0.0		
28	0.0	0.0	0.0	20.0	21.0	0.0	0.0	0.0	0.0	7.0	0.0		
29	0.0		0.0	0.0	7.0	0.0	10.0	0.0	0.0	0.0	0.0		
30	0.0		0.0	0.0	13.0	0.0	80.0	0.0	0.0	2.0	0.0		
31	0.0		0.0		0.0		0.0	0.0		0.0			
Total	55.0	196.0	146.0	645.0	531.0	411.0	214.0	125.0	301.0	218.0	250.0		Anual
Dias LI.	7	8	5	15	13	11	7	6	13	14	8		

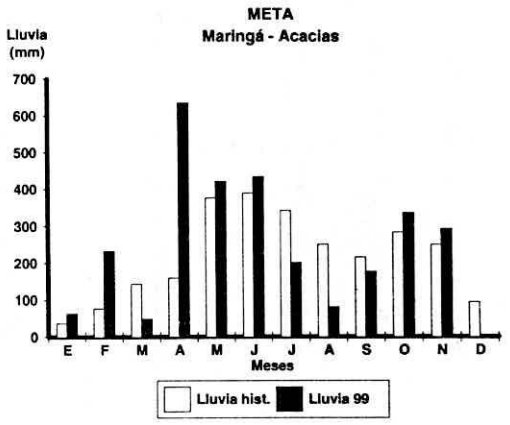
Estación : LA ESPERANZA
Año : 1999

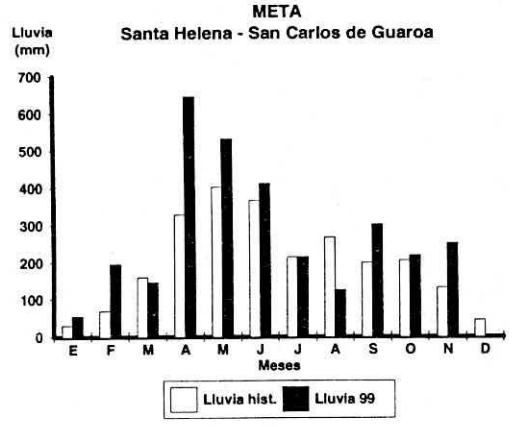
Dpto. : QUINDIO
Mpio. : FILANDIA

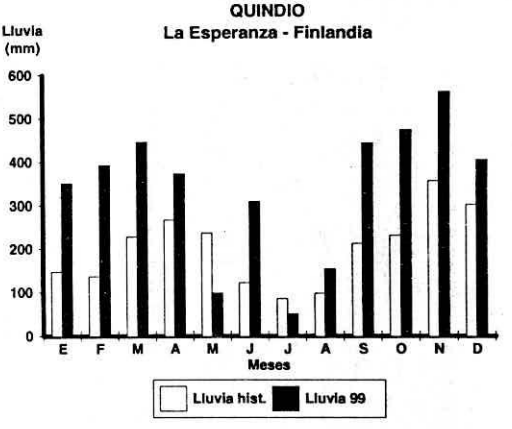
Latitud : 4 ° 38 'N
Longitud : 75 ° 42 'W
Altitud : 1650 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	4.0	35.0	0.0	14.0	0.0	3.0	3.0	0.0	2.0	8.0	35.0	15.0	
2	10.0	0.0	0.0	30.0	0.0	4.0	1.0	0.0	0.0	40.0	15.0	10.0	
3	30.0	27.0	6.0	0.0	0.0	25.0	0.0	0.0	4.0	70.0	20.0	8.0	
4	70.0	0.0	0.0	0.0	5.0	10.0	0.0	0.0	0.0	30.0	12.0	25.0	
5	10.0	0.0	0.0	20.0	5.0	15.0	0.0	30.0	4.0	20.0	15.0	0.0	
6	5.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	6.0	30.0	10.0	30.0	
7	70.0	0.0	15.0	0.0	5.0	0.0	0.0	0.0	7.0	10.0	40.0	20.0	
8	5.0	0.0	67.0	0.0	12.0	2.0	0.0	0.0	30.0	20.0	0.0	18.0	
9	0.0	0.0	40.0	35.0	4.0	3.0	0.0	0.0	20.0	15.0	0.0	25.0	
10	60.0	0.0	0.0	20.0	10.0	0.0	0.0	0.0	50.0	0.0	3.0	14.0	
11	0.0	0.0	0.0	15.0	7.0	20.0	0.0	0.0	4.0	3.0	4.0	20.0	
12	2.0	0.0	0.0	0.0	6.0	60.0	0.0	8.0	35.0	2.0	20.0	12.0	
13	5.0	40.0	20.0	0.0	0.0	4.0	0.0	15.0	3.0	4.0	10.0	22.0	
14	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0	0.0	5.0	0.0	20.0	
15	0.0	15.0	65.0	0.0	0.0	14.0	0.0	0.0	2.0	2.0	30.0	18.0	
16	4.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	3.0	3.0	40.0	12.0	
17	0.0	45.0	45.0	0.0	10.0	40.0	0.0	0.0	0.0	4.0	20.0	30.0	
18	0.0	0.0	3.0	0.0	0.0	5.0	19.0	0.0	4.0	0.0	35.0	6.0	
19	0.0	25.0	55.0	0.0	0.0	3.0	5.0	0.0	0.0	15.0	40.0	10.0	
20	6.0	0.0	42.0	0.0	0.0	2.0	4.0	35.0	20.0	0.0	30.0	16.0	
21	0.0	15.0	0.0	15.0	0.0	5.0	0.0	0.0	10.0	20.0	40.0	15.0	
22	0.0	57.0	0.0	0.0	0.0	4.0	7.0	12.0	23.0	0.0	25.0	20.0	
23	10.0	11.0	0.0	0.0	0.0	15.0	0.0	7.0	35.0	30.0	18.0	40.0	
24	0.0	35.0	0.0	10.0	0.0	30.0	0.0	12.0	40.0	28.0	20.0	0.0	
25	0.0	1.0	0.0	80.0	0.0	20.0	12.0	0.0	50.0	20.0	0.0	0.0	
26	0.0	17.0	0.0	0.0	0.0	3.0	0.0	0.0	38.0	30.0	0.0	0.0	
27	60.0	30.0	51.0	5.0	0.0	0.0	0.0	0.0	40.0	25.0	5.0	0.0	
28	0.0	40.0	0.0	10.0	0.0	0.0	0.0	0.0	4.0	10.0	15.0	0.0	
29	0.0		0.0	120.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	
30	0.0		0.0	0.0	30.0	0.0	0.0	0.0	10.0	0.0	40.0	0.0	
31	0.0		34.0		0.0		0.0	35.0		30.0		0.0	
Total	351.0	393.0	446.0	374.0	99.0	309.0	51.0	154.0	444.0	474.0	562.0	406.0	Anual 4063.0
Dias LI.	15	14	13	12	11	23	7	8	24	25	25	22	


MAGDALENA
La Victoria - Santa Marta
Lluvia (mm)
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


META
Maringá - Acacias
Lluvia (mm)
700
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


META
Santa Helena - San Carlos de Guaroa
Lluvia (mm)
700
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


QUINDIO
La Esperanza - Finlandia
Lluvia (mm)
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : VIVERO
Año : 1999

Dpto. : QUINDIO
Mpio. : QUIMBAYA

Latitud : 4 ° 37 'N
Longitud : 75 ° 46 'W
Altitud : 1330 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	2.0	0.0	0.0	1.0	2.0	10.0	1.0	0.0	37.0	6.0	9.0	19.0	
2	3.0	0.0	0.0	14.0	13.0	0.0	3.0	0.0	0.0	19.0	6.0	0.0	
3	9.0	31.0	5.0	0.0	0.0	0.0	1.0	0.0	0.0	38.0	22.0	0.0	
4	66.0	0.0	2.0	6.0	0.0	12.0	0.0	0.0	20.0	0.0	12.0	12.0	
5	22.0	36.0	4.0	0.0	17.0	0.0	0.0	0.0	1.0	3.0	0.0	2.0	
6	3.0	1.0	0.0	8.0	36.0	0.0	0.0	65.0	0.0	8.0	7.0	0.0	
7	13.0	4.0	12.0	19.0	4.0	21.0	4.0	0.0	21.0	0.0	31.0	3.0	
8	2.0	0.0	3.0	12.0	0.0	2.0	1.0	0.0	60.0	0.0	1.0	0.0	
9	1.0	0.0	0.0	19.0	23.0	0.0	0.0	0.0	72.0	9.0	0.0	12.0	
10	64.0	0.0	7.0	61.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	
11	1.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	46.0	4.0	0.0	24.0	
12	7.0	7.0	0.0	3.0	0.0	1.0	0.0	1.0	10.0	3.0	4.0	22.0	
13	0.0	0.0	5.0	0.0	26.0	33.0	0.0	31.0	42.0	0.0	2.0	1.0	
14	0.0	15.0	3.0	5.0	2.0	0.0	0.0	32.0	0.0	0.0	3.0	37.0	
15	0.0	4.0	50.0	12.0	3.0	0.0	0.0	0.0	0.0	5.0	0.0	4.0	
16	0.0	22.0	0.0	0.0	11.0	18.0	4.0	0.0	9.0	10.0	20.0	2.0	
17	0.0	25.0	43.0	0.0	0.0	23.0	0.0	0.0	7.0	9.0	24.0	25.0	
18	13.0	5.0	2.0	0.0	2.0	14.0	0.0	0.0	0.0	6.0	0.0	7.0	
19	4.0	6.0	104.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	2.0	0.0	
20	2.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	8.0	2.0	20.0	14.0	
21	0.0	8.0	4.0	0.0	0.0	5.0	0.0	34.0	35.0	0.0	3.0	7.0	
22	0.0	55.0	19.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	1.0	6.0	
23	3.0	39.0	0.0	6.0	0.0	0.0	2.0	1.0	10.0	1.0	47.0	0.0	
24	2.0	21.0	0.0	26.0	19.0	10.0	2.0	0.0	61.0	34.0	9.0	22.0	
25	13.0	0.0	0.0	3.0	0.0	3.0	0.0	7.0	9.0	17.0	0.0	0.0	
26	28.0	32.0	0.0	1.0	0.0	31.0	3.0	1.0	19.0	35.0	12.0	0.0	
27	3.0	9.0	0.0	0.0	0.0	6.0	13.0	0.0	12.0	54.0	0.0	0.0	
28	1.0	28.0	21.0	2.0	0.0	19.0	0.0	3.0	35.0	11.0	0.0	0.0	
29	2.0		0.0	34.0	0.0	0.0	0.0	0.0	0.0	31.0	0.0	0.0	
30	0.0		6.0	0.0	1.0	20.0	5.0	0.0	30.0	0.0	5.0	0.0	
31	0.0		3.0		0.0		8.0	0.0		0.0		0.0	
Total	264.0	348.0	293.0	234.0	165.0	228.0	67.0	175.0	545.0	307.0	243.0	219.0	Anual 3088.0
Días LI.	22	18	17	18	14	16	13	9	21	21	21	17	

Estación : LA ILUSION
Año : 1999

Dpto. : QUINDIO
Mpio. : CIRCASIA

Latitud : 4 ° 35 'N
Longitud : 75 ° 41 'W
Altitud : 1500 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	7.0	10.0	10.0	7.0	11.0	4.0	4.0	20.0	3.0	2.0	25.0	
2	11.0	5.0	0.0	37.0	45.0	9.0	4.0	0.0	0.0	5.0	22.0	4.0	
3	29.0	4.0	24.0	1.0	12.0	2.0	5.0	0.0	0.0	31.0	28.0	0.0	
4	135.0	7.0	12.0	16.0	4.0	21.0	0.0	0.0	36.0	0.0	24.0	4.0	
5	42.0	35.0	8.0	3.0	6.0	2.0	3.0	4.0	1.0	21.0	14.0	3.0	
6	22.0	7.0	6.0	32.0	75.0	7.0	0.0	50.0	15.0	11.0	12.0	0.0	
7	35.0	0.0	32.0	12.0	0.0	33.0	0.0	3.0	11.0	2.0	18.0	3.0	
8	32.0	0.0	12.0	23.0	5.0	2.0	0.0	0.0	3.0	11.0	2.0	0.0	
9	38.0	0.0	10.0	5.0	30.0	4.0	0.0	0.0	34.0	10.0	0.0	1.0	
10	46.0	1.0	0.0	50.0	0.0	2.0	3.0	0.0	19.0	5.0	18.0	0.0	
11	2.0	18.0	0.0	7.0	2.0	0.0	0.0	0.0	51.0	4.0	6.0	10.0	
12	17.0	13.0	3.0	11.0	39.0	2.0	0.0	4.0	3.0	20.0	14.0	28.0	
13	0.0	0.0	9.0	1.0	4.0	20.0	0.0	14.0	52.0	0.0	2.0	1.0	
14	0.0	12.0	3.0	8.0	0.0	3.0	0.0	10.0	2.0	0.0	6.0	70.0	
15	0.0	9.0	47.0	8.0	0.0	2.0	0.0	0.0	0.0	9.0	0.0	10.0	
16	0.0	7.0	3.0	0.0	0.0	50.0	0.0	0.0	15.0	0.0	13.0	10.0	
17	0.0	13.0	41.0	0.0	0.0	43.0	0.0	0.0	13.0	12.0	48.0	29.0	
18	28.0	5.0	8.0	0.0	0.0	3.0	0.0	0.0	0.0	11.0	4.0	20.0	
19	8.0	10.0	35.0	1.0	11.0	0.0	5.0	0.0	11.0	0.0	26.0	10.0	
20	2.0	5.0	10.0	0.0	0.0	0.0	0.0	5.0	16.0	8.0	41.0	7.0	
21	4.0	14.0	33.0	0.0	0.0	3.0	0.0	10.0	18.0	6.0	20.0	11.0	
22	2.0	20.0	6.0	0.0	0.0	4.0	0.0	0.0	11.0	6.0	4.0	27.0	
23	2.0	18.0	0.0	17.0	9.0	4.0	20.0	13.0	5.0	0.0	49.0	1.0	
24	3.0	25.0	3.0	37.0	21.0	0.0	1.0	1.0	18.0	0.0	16.0	28.0	
25	0.0	0.0	0.0	5.0	0.0	6.0	0.0	18.0	20.0	8.0	5.0	0.0	
26	30.0	46.0	0.0	6.0	0.0	11.0	1.0	3.0	37.0	11.0	9.0	0.0	
27	26.0	19.0	0.0	4.0	0.0	9.0	0.0	0.0	19.0	39.0	3.0	0.0	
28	4.0	51.0	22.0	4.0	0.0	0.0	0.0	7.0	38.0	11.0	10.0	0.0	
29	2.0		3.0	51.0	0.0	3.0	0.0	3.0	0.0	49.0	5.0	0.0	
30	0.0		16.0	0.0	3.0	12.0	0.0	0.0	29.0	1.0	11.0	0.0	
31	4.0		0.0		5.0		5.0	0.0		0.0		0.0	
Total	524.0	351.0	356.0	349.0	278.0	268.0	51.0	149.0	497.0	294.0	432.0	302.0	Anual 3851.0
Días LI.	23	23	23	23	16	25	10	15	25	23	28	20	

Estación : SORRENTO
Año : 1999

Dpto. : QUINDIO
Mpio. : MONTENEGRO

Latitud : 4 ° 33 'N
Longitud : 75 ° 49 'W
Altitud : 1200 m

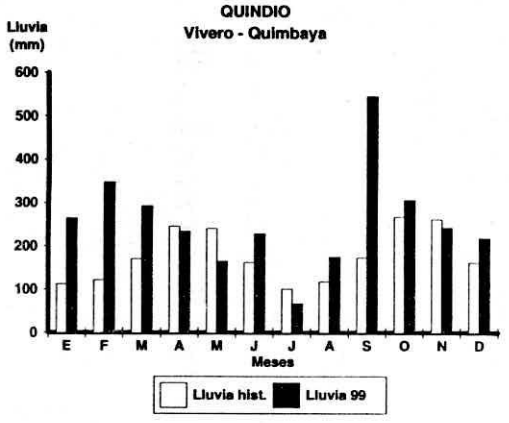
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	35.0	0.0	5.0	28.0	
2	19.0	0.0	0.0	17.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3	1.0	2.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	10.0	30.0	0.0	
4	19.0	10.0	0.0	38.0	0.0	0.0	0.0	25.0	9.0	0.0	14.0	0.0	
5	0.0	0.0	0.0	0.0	10.0	45.0	0.0	0.0	0.0	32.0	15.0	15.0	
6	0.0	0.0	0.0	45.0	0.0	0.0	0.0	33.0	0.0	0.0	13.0	0.0	
7	0.0	0.0	12.0	15.0	15.0	0.0	7.0	0.0	0.0	15.0	1.0	7.0	
8	17.0	0.0	6.0	8.0	35.0	55.0	0.0	0.0	57.0	0.0	20.0	0.0	
9	12.0	0.0	0.0	0.0	75.0	58.0	0.0	0.0	87.0	0.0	0.0	0.0	
10	65.0	0.0	5.0	45.0	0.0	60.0	0.0	5.0	43.0	0.0	12.0	32.0	
11	0.0	2.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	20.0	8.0	27.0	
12	0.0	0.0	0.0	5.0	36.0	0.0	0.0	0.0	0.0	6.0	0.0	35.0	
13	0.0	0.0	0.0	0.0	0.0	12.0	0.0	5.0	74.0	0.0	10.0	35.0	
14	0.0	14.0	3.0	2.0	0.0	0.0	0.0	23.0	0.0	0.0	0.0	15.0	
15	0.0	18.0	10.0	10.0	0.0	21.0	0.0	0.0	0.0	15.0	0.0	0.0	
16	0.0	15.0	0.0	0.0	0.0	6.0	0.0	0.0	5.0	0.0	0.0	0.0	
17	0.0	0.0	50.0	0.0	0.0	10.0	0.0	0.0	10.0	0.0	20.0	0.0	
18	15.0	14.0	0.0	0.0	0.0	0.0	55.0	0.0	0.0	58.0	0.0	7.0	
19	0.0	10.0	51.0	0.0	35.0	0.0	0.0	12.0	0.0	55.0	0.0	30.0	
20	0.0	0.0	0.0	0.0	90.0	12.0	0.0	0.0	35.0	70.0	25.0	36.0	
21	35.0	10.0	0.0	0.0	0.0	0.0	0.0	14.0	12.0	26.0	0.0	0.0	
22	0.0	22.0	10.0	0.0	0.0	11.0	0.0	0.0	0.0	53.0	0.0	0.0	
23	31.0	20.0	0.0	0.0	0.0	0.0	27.0	5.0	0.0	35.0	30.0	0.0	
24	2.0	40.0	0.0	44.0	10.0	17.0	0.0	0.0	92.0	13.0	0.0	25.0	
25	38.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0	
26	0.0	70.0	0.0	0.0	0.0	15.0	0.0	5.0	10.0	25.0	20.0	0.0	
27	0.0	35.0	0.0	0.0	0.0	14.0	0.0	0.0	15.0	0.0	5.0	0.0	
28	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	10.0	30.0	0.0	0.0	
29	0.0		0.0	0.0	55.0	0.0	0.0	0.0	15.0	20.0	5.0	0.0	
30	0.0		0.0	0.0	5.0	15.0	0.0	0.0	15.0	0.0	15.0	0.0	
31	39.0		0.0		12.0		0.0	0.0		0.0		0.0	
Total	293.0	282.0	172.0	234.0	385.0	361.0	89.0	130.0	542.0	483.0	248.0	292.0	Anual 3511.0
Días Ll.	12	14	9	11	13	15	3	10	17	16	17	12	

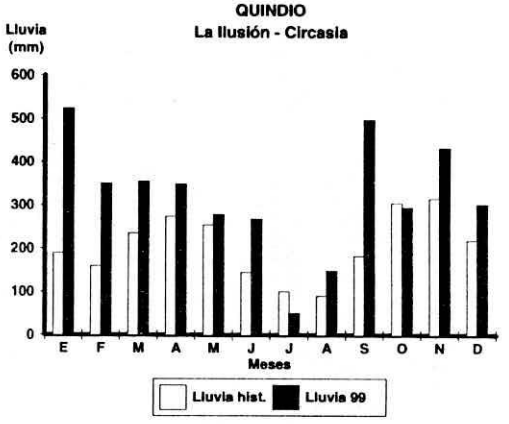
Estación : LA JULIA
Año : 1999

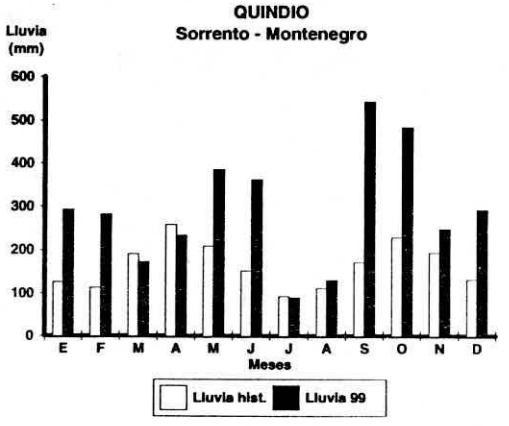
Dpto. : QUINDIO
Mpio. : MONTENEGRO

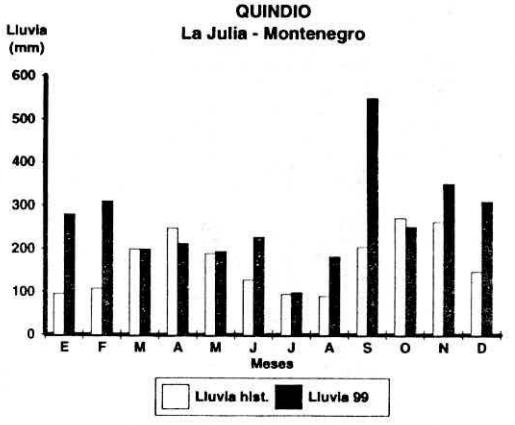
Latitud : 4 ° 33 'N
Longitud : 75 ° 45 'W
Altitud : 1250 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	1.0	23.0	5.0	6.0	0.0	9.0	1.0	15.0	45.0	8.0	0.0	16.0	
2	15.0	0.0	0.0	18.0	1.0	4.0	1.0	0.0	1.0	26.0	5.0	3.0	
3	17.0	5.0	5.0	0.0	9.0	3.0	3.0	0.0	3.0	0.0	10.0	0.0	
4	30.0	12.0	0.0	10.0	0.0	8.0	0.0	1.0	2.0	5.0	10.0	2.0	
5	5.0	35.0	0.0	15.0	1.0	0.0	1.0	1.0	0.0	35.0	4.0	20.0	
6	46.0	3.0	7.0	15.0	25.0	0.0	0.0	60.0	1.0	2.0	3.0	3.0	
7	20.0	0.0	16.0	3.0	10.0	70.0	0.0	1.0	19.0	3.0	12.0	0.0	
8	2.0	0.0	2.0	2.0	12.0	2.0	0.0	0.0	1.0	2.0	0.0	0.0	
9	10.0	0.0	20.0	1.0	27.0	3.0	0.0	0.0	55.0	0.0	0.0	1.0	
10	50.0	0.0	0.0	13.0	0.0	3.0	0.0	0.0	5.0	2.0	1.0	3.0	
11	1.0	17.0	0.0	2.0	1.0	2.0	0.0	0.0	45.0	0.0	7.0	20.0	
12	10.0	8.0	0.0	12.0	55.0	0.0	3.0	0.0	5.0	7.0	11.0	13.0	
13	0.0	2.0	1.0	0.0	1.0	13.0	0.0	12.0	60.0	0.0	0.0	2.0	
14	0.0	1.0	2.0	13.0	0.0	0.0	0.0	42.0	2.0	0.0	0.0	67.0	
15	0.0	5.0	30.0	5.0	1.0	2.0	0.0	0.0	0.0	2.0	0.0	2.0	
16	2.0	5.0	0.0	0.0	12.0	25.0	12.0	0.0	25.0	0.0	7.0	1.0	
17	0.0	11.0	45.0	0.0	0.0	8.0	0.0	0.0	10.0	0.0	74.0	39.0	
18	8.0	2.0	1.0	0.0	0.0	5.0	0.0	0.0	0.0	3.0	2.0	20.0	
19	2.0	5.0	30.0	0.0	18.0	0.0	31.0	0.0	10.0	0.0	8.0	9.0	
20	0.0	7.0	0.0	0.0	0.0	0.0	0.0	12.0	28.0	25.0	35.0	11.0	
21	15.0	20.0	5.0	0.0	6.0	2.0	0.0	8.0	26.0	2.0	11.0	4.0	
22	2.0	12.0	12.0	0.0	0.0	1.0	0.0	5.0	25.0	10.0	0.0	18.0	
23	6.0	5.0	0.0	6.0	0.0	0.0	34.0	0.0	16.0	0.0	68.0	0.0	
24	2.0	34.0	0.0	28.0	2.0	0.0	0.0	2.0	27.0	8.0	25.0	55.0	
25	6.0	0.0	0.0	3.0	0.0	8.0	3.0	10.0	18.0	6.0	1.0	0.0	
26	12.0	35.0	0.0	1.0	0.0	43.0	0.0	1.0	21.0	32.0	7.0	0.0	
27	15.0	12.0	4.0	0.0	0.0	11.0	0.0	2.0	14.0	32.0	0.0	0.0	
28	0.0	50.0	7.0	0.0	0.0	2.0	0.0	5.0	71.0	5.0	4.0	0.0	
29	0.0		0.0	58.0	0.0	1.0	0.0	5.0	0.0	35.0	15.0	0.0	
30	0.0		5.0	1.0	10.0	2.0	0.0	0.0	15.0	1.0	31.0	0.0	
31	2.0		2.0		3.0		10.0	0.0		0.0		0.0	
Total	279.0	309.0	199.0	212.0	194.0	227.0	99.0	182.0	550.0	251.0	351.0	309.0	Anual 3162.0
Días Ll.	23	22	18	19	17	22	10	16	26	21	22	20	


QUINDIO
Vivero - Quimbaya
Lluvia (mm)
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


QUINDIO
La Ilusión - Circasia
Lluvia (mm)
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


QUINDIO
Sorrento - Montenegro
Lluvia (mm)
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


QUINDIO
La Julia - Montenegro
Lluvia (mm)
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : TUCUMAN
Año : 1999

Dpto. : QUINDIO
Mpio. : ARMENIA

Latitud : 4 ° 32 'N
Longitud : 75 ° 46 'W
Altitud : 1200 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	30.0	0.0	0.0	1.0	0.0	0.0	0.0	42.0	0.0	0.0	0.0	
2	0.0	0.0	0.0	52.0	63.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	
3	0.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	
4	0.0	36.0	0.0	21.0	0.0	0.0	0.0	35.0	0.0	0.0	0.0	6.0	
5	54.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0	
6	0.0	49.0	0.0	0.0	0.0	0.0	0.0	60.0	0.0	0.0	0.0	0.0	
7	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	
8	0.0	0.0	0.0	0.0	0.0	83.0	0.0	0.0	0.0	0.0	0.0	13.0	
9	0.0	0.0	0.0	0.0	48.0	0.0	0.0	0.0	27.0	0.0	0.0	26.0	
10	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.0	0.0	0.0	0.0	
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.0	0.0	47.0	0.0	
12	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	8.0	18.0	
13	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	29.0	29.0	
14	0.0	58.0	0.0	78.0	0.0	0.0	0.0	0.0	55.0	0.0	16.0	0.0	
15	0.0	0.0	52.0	0.0	58.0	34.0	0.0	0.0	0.0	0.0	45.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73.0	0.0	48.0	
17	0.0	0.0	78.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.0	0.0	
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19	0.0	0.0	0.0	0.0	48.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	
20	13.0	48.0	0.0	0.0	0.0	28.0	0.0	0.0	48.0	0.0	13.0	0.0	
21	0.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.0	19.0	7.0	
22	0.0	0.0	0.0	0.0	0.0	19.0	80.0	0.0	0.0	0.0	0.0	38.0	
23	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0	0.0	0.0	16.0	
24	0.0	0.0	0.0	55.0	0.0	0.0	0.0	0.0	44.0	0.0	12.0	0.0	
25	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0	0.0	37.0	0.0	
26	0.0	0.0	0.0	0.0	0.0	0.0	46.0	0.0	28.0	45.0	29.0	0.0	
27	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	25.0	59.0	0.0	0.0	
28	0.0	128.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	26.0	0.0	0.0	0.0	
30	0.0		0.0	0.0	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0	
Total	179.0	438.0	152.0	206.0	256.0	168.0	126.0	95.0	436.0	244.0	317.0	277.0	Anual 2894.0
Días LI.	5	9	3	4	6	6	2	2	13	4	12	13	

Estación : LA PRADERA
Año : 1999

Dpto. : QUINDIO
Mpio. : ARMENIA

Latitud : 4 ° 28 'N
Longitud : 75 ° 43 'W
Altitud : 1350 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	5.0	8.0	2.0	0.0	2.0	28.0	0.0	0.0	0.0	4.0			
2	3.0	15.0	3.0	0.0	3.0	0.0	0.0	0.0	3.0	3.0			
3	12.0	9.0	1.0	0.0	1.0	0.0	0.0	3.0	0.0	2.0			
4	30.0	13.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
5	0.0	10.0	4.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0			
6	25.0	0.0	6.0	0.0	29.0	1.0	0.0	4.0	0.0	0.0			
7	35.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0	5.0	0.0			
8	30.0	0.0	1.0	0.0	14.0	0.0	0.0	5.0	0.0	0.0			
9	29.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	35.0	5.0			
10	45.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	10.0			
11	2.0	8.0	0.0	0.0	0.0	1.0	0.0	0.0	45.0	13.0			
12	5.0	7.0	0.0	24.0	30.0	0.0	0.0	0.0	0.0	11.0			
13	0.0	10.0	1.0	0.0	0.0	15.0	0.0	0.0	15.0	20.0			
14	0.0	6.0	3.0	1.0	0.0	0.0	0.0	10.0	0.0	0.0			
15	0.0	35.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0			
16	0.0	40.0	15.0	0.0	0.0	25.0	0.0	0.0	16.0	35.0			
17	0.0	12.0	20.0	0.0	0.0	31.0	0.0	11.0	0.0	15.0			
18	19.0	11.0	15.0	0.0	0.0	0.0	0.0	3.0	0.0	12.0			
19	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0			
20	0.0	15.0	11.0	0.0	0.0	2.0	0.0	0.0	25.0	0.0			
21	0.0	13.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0			
22	3.0	15.0	0.0	10.0	0.0	1.0	0.0	1.0	15.0	0.0			
23	4.0	20.0	2.0	40.0	0.0	0.0	0.0	0.0	5.0	2.0			
24	0.0	25.0	0.0	30.0	0.0	11.0	0.0	5.0	10.0	3.0			
25	5.0	10.0	0.0	9.0	0.0	23.0	0.0	0.0	0.0	4.0			
26	2.0	20.0	0.0	4.0	0.0	19.0	0.0	7.0	0.0	6.0			
27	0.0	25.0	4.0	0.0	0.0	30.0	0.0	0.0	0.0	7.0			
28	0.0	35.0	2.0	0.0	0.0	0.0	0.0	8.0	22.0	0.0			
29	0.0		0.0	5.0	10.0	0.0	0.0	0.0	0.0	0.0			
30	3.0		0.0	0.0	21.0	2.0	0.0	0.0	0.0	0.0			
31	0.0		0.0		29.0		0.0	0.0		0.0			
Total	257.0	370.0	107.0	123.0	178.0	218.0	1.0	57.0	216.0	152.0			Anual
Días LI.	17	23	18	8	11	16	1	10	12	16			

Estación : EL JARDIN
Año : 1999

Dpto. : QUINDIO
Mpio. : CALARCA

Latitud : 4 ° 28 'N
Longitud : 75 ° 42 'W
Altitud : 1320 m

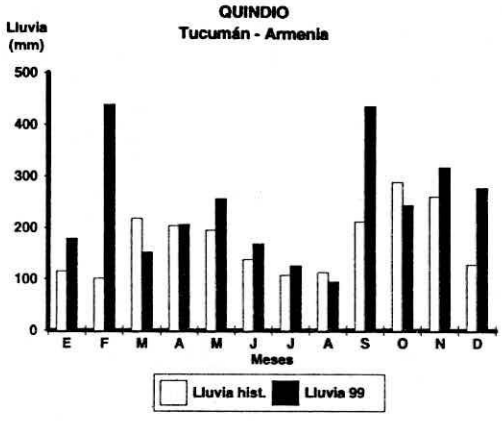
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1		0.0	0.0	0.0	5.0	0.0		0.0	0.0	3.0	38.0	0.0	
2		15.0	0.0	0.0	15.0	10.0		0.0	0.0	0.0	5.0	12.0	
3		0.0	0.0	0.0	0.0	5.0		0.0	0.0	28.0	0.0	0.0	
4		5.0	0.0	0.0	2.0	0.0		0.0	0.0	9.0	5.0	14.0	
5		35.0	10.0	70.0	0.0	0.0		30.0	0.0	5.0	60.0	2.0	
6		10.0	0.0	0.0	40.0	0.0		0.0	5.0	0.0	40.0	5.0	
7		10.0	0.0	5.0	40.0	0.0		0.0	5.0	0.0	0.0	0.0	
8		10.0	40.0	10.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	
9		0.0	0.0	15.0	2.0	0.0		0.0	30.0	0.0	0.0	0.0	
10		30.0	0.0	5.0	5.0	0.0		0.0	30.0	0.0	15.0	12.0	
11		0.0	0.0	0.0	10.0	0.0		0.0	40.0	5.0	0.0	20.0	
12		9.0	0.0	15.0	35.0	0.0		0.0	20.0	0.0	0.0	0.0	
13		0.0	20.0	5.0	0.0	0.0		0.0	0.0	0.0	0.0	23.0	
14		0.0	0.0	0.0	10.0	0.0		10.0	10.0	0.0	43.0	0.0	
15		0.0	10.0	0.0	0.0	0.0		0.0	30.0	10.0	0.0	17.0	
16		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	7.0	0.0	
17		0.0	20.0	0.0	15.0	0.0		0.0	0.0	0.0	35.0	0.0	
18		0.0	20.0	0.0	0.0	0.0		0.0	0.0	0.0	41.0	24.0	
19		0.0	60.0	0.0	0.0	0.0		0.0	30.0	0.0	50.0	35.0	
20		0.0	0.0	0.0	10.0	0.0		10.0	10.0	0.0	25.0	15.0	
21		0.0	30.0	0.0	0.0	0.0		0.0	0.0	35.0	15.0	17.0	
22		10.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	45.0	0.0	
23		25.0	0.0	0.0	0.0	0.0		40.0	25.0	0.0	37.0	50.0	
24		25.0	0.0	0.0	15.0	0.0		18.0	35.0	0.0	0.0	0.0	
25		5.0	0.0	0.0	10.0	0.0		0.0	22.0	0.0	0.0	0.0	
26		5.0	0.0	0.0	25.0	0.0		10.0	12.0	35.0	12.0	0.0	
27		15.0	5.0	0.0	0.0	0.0		5.0	20.0	32.0	0.0	0.0	
28		10.0	5.0	0.0	0.0	0.0		0.0	14.0	0.0	0.0	0.0	
29			15.0	0.0	0.0	0.0		0.0	0.0	80.0	30.0	0.0	
30			10.0	23.0	0.0	0.0		0.0	28.0	0.0	32.0	0.0	
31			5.0		0.0			20.0		5.0		0.0	
Total		219.0	250.0	148.0	239.0	15.0		143.0	366.0	247.0	535.0	246.0	Anual
Días LI.		15	13	8	15	2		8	17	11	18	13	

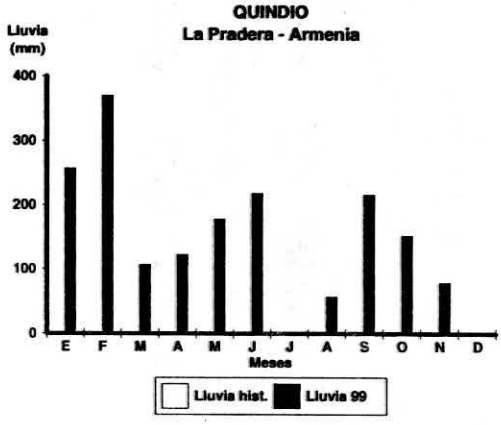
Estación : LA ARGENTINA
Año : 1999

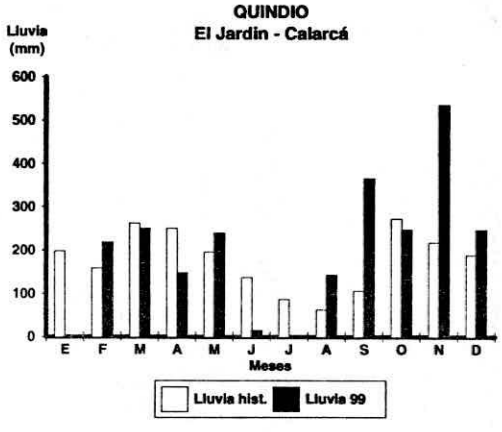
Dpto. : QUINDIO
Mpio. : LA TEBAIDA

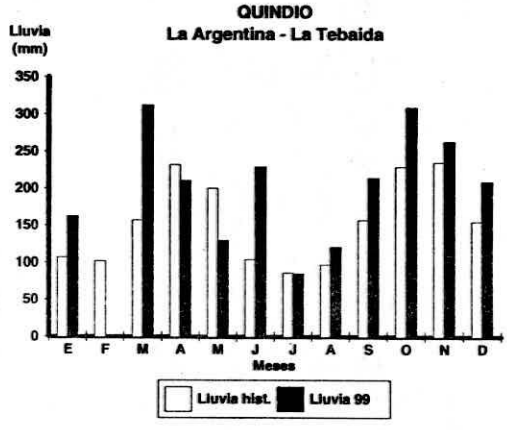
Latitud : 4 ° 27 'N
Longitud : 75 ° 47 'W
Altitud : 1200 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	2.0		2.0	0.0	0.0	19.0	1.0	0.0	0.0	10.0	0.0	13.0	
2	0.0		10.0	0.0	15.0	0.0	6.0	0.0	1.0	38.0	0.0	1.0	
3	4.0		32.0	0.0	0.0	29.0	0.0	58.0	0.0	3.0	40.0	0.0	
4	0.0		0.0	0.0	0.0	4.0	0.0	0.0	9.0	6.0	12.0	34.0	
5	0.0		12.0	0.0	4.0	15.0	7.0	0.0	0.0	15.0	15.0	0.0	
6	0.0		14.0	23.0	20.0	15.0	0.0	0.0	0.0	0.0	3.0	2.0	
7	2.0		25.0	8.0	25.0	0.0	0.0	0.0	4.0	0.0	0.0	1.0	
8	9.0		3.0	2.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9	60.0		9.0	6.0	35.0	9.0	1.0	0.0	2.0	5.0	0.0	0.0	
10	20.0		0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	68.0	5.0	
11	0.0		15.0	0.0	0.0	0.0	0.0	0.0	9.0	23.0	25.0	0.0	
12	0.0		0.0	12.0	0.0	0.0	0.0	0.0	23.0	0.0	0.0	20.0	
13	0.0		15.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	35.0	
14	0.0		60.0	4.0	0.0	13.0	0.0	23.0	43.0	6.0	15.0	8.0	
15	0.0		15.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	
16	0.0		0.0	0.0	0.0	23.0	0.0	0.0	25.0	0.0	6.0	8.0	
17	0.0		35.0	0.0	0.0	19.0	0.0	0.0	0.0	14.0	12.0	65.0	
18	13.0		15.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	0.0	10.0	
19	1.0		25.0	6.0	0.0	16.0	10.0	8.0	0.0	18.0	32.0	7.0	
20	0.0		6.0	0.0	0.0	8.0	22.0	3.0	0.0	6.0	0.0	0.0	
21	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	5.0	0.0	
22	0.0		0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	5.0	0.0	
23	0.0		5.0	50.0	0.0	0.0	15.0	0.0	8.0	0.0	0.0	0.0	
24	0.0		0.0	20.0	0.0	0.0	0.0	0.0	31.0	23.0	0.0	0.0	
25	25.0		0.0	12.0	0.0	19.0	0.0	0.0	0.0	15.0	0.0	0.0	
26	0.0		0.0	3.0	0.0	15.0	3.0	12.0	0.0	50.0	3.0	0.0	
27	0.0		0.0	0.0	0.0	17.0	8.0	11.0	0.0	15.0	0.0	0.0	
28	12.0		0.0	0.0	10.0	3.0	0.0	0.0	8.0	0.0	0.0	0.0	
29	6.0		0.0	64.0	0.0	1.0	3.0	0.0	0.0	40.0	18.0	0.0	
30	8.0		0.0	0.0	0.0	4.0	9.0	0.0	9.0	0.0	4.0	0.0	
31	0.0		14.0		5.0		0.0	0.0		0.0		0.0	
Total	162.0		312.0	210.0	130.0	229.0	85.0	121.0	214.0	309.0	263.0	209.0	Anual
Días LI.	12		18	12	8	17	11	7	15	18	15	13	


QUINDIO
Tucumán - Armenia
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


QUINDIO
La Pradera - Armenia
Lluvia (mm)
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


QUINDIO
El Jardin - Calarcá
Lluvia (mm)
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


QUINDIO
La Argentina - La Tebaida
Lluvia (mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : LA MIRANDA
Año : 1999

Dpto. : QUINDIO
Mpio. : LA TEBAIDA

Latitud : 4 ° 26 'N
Longitud : 75 ° 52 'W
Altitud : 1200 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	10.0	0.0	0.0	10.0	0.0	0.0	33.0	10.0	0.0	16.0	
2	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	
3	10.0	0.0	17.0	0.0	0.0	0.0	7.0	0.0	0.0	20.0	20.0	0.0	
4	0.0	0.0	27.0	8.0	0.0	4.0	0.0	5.0	0.0	0.0	43.0	0.0	
5	0.0	36.0	12.0	0.0	68.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	
6	0.0	0.0	0.0	41.0	80.0	0.0	15.0	70.0	0.0	0.0	15.0	0.0	
7	0.0	0.0	37.0	10.0	8.0	16.0	30.0	0.0	30.0	0.0	0.0	25.0	
8	0.0	0.0	22.0	0.0	29.0	0.0	0.0	0.0	19.0	0.0	0.0	0.0	
9	16.0	0.0	0.0	0.0	70.0	15.0	0.0	0.0	40.0	5.0	0.0	3.0	
10	33.0	8.0	0.0	35.0	0.0	6.0	0.0	5.0	0.0	0.0	35.0	0.0	
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	5.0	0.0	
12	0.0	52.0	0.0	25.0	27.0	0.0	5.0	10.0	0.0	0.0	0.0	5.0	
13	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	30.0	5.0	
14	0.0	0.0	20.0	15.0	0.0	0.0	0.0	15.0	0.0	0.0	7.0	55.0	
15	0.0	15.0	17.0	0.0	0.0	32.0	0.0	0.0	0.0	42.0	0.0	0.0	
16	0.0	12.0	0.0	0.0	0.0	44.0	0.0	0.0	75.0	0.0	0.0	8.0	
17	0.0	20.0	53.0	0.0	0.0	24.0	0.0	0.0	50.0	0.0	18.0	40.0	
18	15.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	7.0	0.0	40.0	
19	0.0	25.0	42.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	17.0	
20	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	13.0	0.0	45.0	20.0	
21	10.0	12.0	0.0	0.0	0.0	0.0	0.0	63.0	0.0	0.0	4.0	12.0	
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	7.0	
23	0.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	10.0	0.0	
24	0.0	20.0	0.0	62.0	0.0	0.0	0.0	10.0	5.0	21.0	11.0	0.0	
25	10.0	0.0	0.0	10.0	0.0	17.0	0.0	0.0	90.0	0.0	0.0	0.0	
26	0.0	67.0	0.0	5.0	4.0	0.0	0.0	0.0	13.0	61.0	3.0	0.0	
27	0.0	2.0	0.0	10.0	0.0	28.0	0.0	0.0	46.0	12.0	0.0	0.0	
28	0.0	33.0	0.0	0.0	0.0	5.0	0.0	0.0	15.0	0.0	0.0	0.0	
29	0.0		0.0	80.0	0.0	0.0	0.0	0.0	0.0	31.0	61.0	0.0	
30	0.0		0.0	0.0	15.0	10.0	0.0	0.0	6.0	0.0	13.0	0.0	
31	0.0		0.0		12.0		0.0	0.0		0.0		0.0	
													Anual
Total	94.0	326.0	265.0	331.0	313.0	231.0	57.0	178.0	500.0	226.0	320.0	260.0	3101.0
Días LI.	6	13	11	12	9	14	4	7	17	11	15	14	

Estación : LA ESPERANZA
Año : 1999

Dpto. : QUINDIO
Mpio. : BUENAVISTA

Latitud : 4 ° 22 'N
Longitud : 75 ° 45 'W
Altitud : 1400 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	14.0						0.0	0.0	47.0	0.0	17.0	11.0	
2	6.0						3.0	0.0	0.0	8.0	14.0	18.0	
3	21.0						0.0	0.0	0.0	7.0	6.0	0.0	
4	40.0						0.0	0.0	11.0	0.0	16.0	25.0	
5	10.0						0.0	0.0	0.0	9.0	0.0	0.0	
6	64.0						0.0	0.0	6.0	24.0	10.0	0.0	
7	6.0						0.0	0.0	0.0	0.0	17.0	0.0	
8	20.0						0.0	7.0	14.0	0.0	0.0	17.0	
9	5.0						0.0	0.0	19.0	4.0	0.0	8.0	
10	81.0						0.0	0.0	81.0	3.0	11.0	0.0	
11	0.0						0.0	4.0	4.0	8.0	9.0	7.0	
12	6.0						0.0	0.0	16.0	0.0	19.0	11.0	
13	0.0						0.0	3.0	0.0	0.0	21.0	6.0	
14	0.0						0.0	0.0	31.0	0.0	7.0	0.0	
15	4.0						3.0	0.0	7.0	6.0	0.0	0.0	
16	0.0						0.0	0.0	12.0	0.0	0.0	8.0	
17	0.0						0.0	0.0	0.0	0.0	69.0	4.0	
18	0.0						0.0	0.0	0.0	0.0	8.0	12.0	
19	0.0						0.0	0.0	8.0	0.0	10.0	5.0	
20	0.0						0.0	6.0	10.0	0.0	0.0	7.0	
21	0.0						0.0	11.0	19.0	15.0	12.0	18.0	
22	12.0						9.0	0.0	14.0	0.0	0.0	6.0	
23	0.0						0.0	0.0	10.0	20.0	0.0	21.0	
24	0.0						0.0	5.0	18.0	13.0	0.0	17.0	
25	42.0						10.0	0.0	16.0	12.0	7.0	0.0	
26	16.0						0.0	0.0	12.0	25.0	18.0	0.0	
27	7.0						5.0	0.0	18.0	60.0	4.0	0.0	
28	0.0						0.0	16.0	18.0	37.0	0.0	0.0	
29	0.0						0.0	0.0	0.0	105.0	0.0	0.0	
30	0.0						0.0	0.0	18.0	0.0	9.0	0.0	
31	0.0						0.0	0.0		0.0		0.0	
													Anual
Total	354.0						30.0	52.0	409.0	356.0	284.0	201.0	
Días LI.	16						5	7	22	16	19	17	

Estación : EL PORVENIR
Año : 1999

Dpto. : QUINDIO
Mpio. : PIJAO

Latitud : 4 ° 19 'N
Longitud : 75 ° 47 'W
Altitud : 1470 m

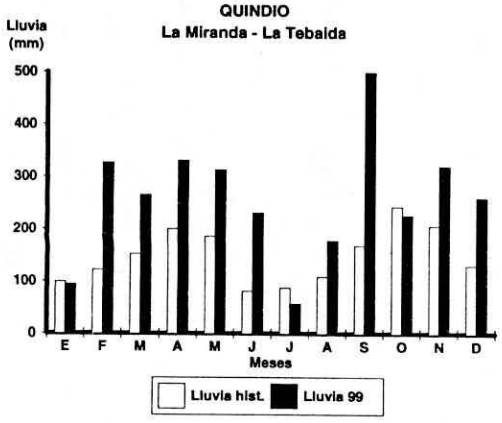
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	1.0	22.0	1.0	0.0	1.0	23.0	0.0	0.0	10.0	21.0	4.0	12.0	
2	1.0	0.0	0.0	18.0	3.0	0.0	1.0	0.0	0.0	1.0	12.0	8.0	
3	36.0	24.0	1.0	1.0	43.0	1.0	6.0	2.0	0.0	24.0	21.0	0.0	
4	20.0	1.0	1.0	20.0	1.0	6.0	0.0	0.0	1.0	1.0	18.0	43.0	
5	3.0	23.0	1.0	21.0	1.0	1.0	0.0	1.0	0.0	0.0	1.0	12.0	
6	33.0	18.0	0.0	0.0	50.0	0.0	10.0	3.0	10.0	10.0	29.0	25.0	
7	43.0	0.0	1.0	47.0	1.0	20.0	10.0	1.0	32.0	15.0	17.0	0.0	
8	15.0	0.0	2.0	7.0	1.0	2.0	0.0	0.0	1.0	0.0	1.0	0.0	
9	2.0	1.0	0.0	14.0	30.0	0.0	0.0	0.0	24.0	0.0	0.0	12.0	
10	99.0	10.0	0.0	15.0	1.0	1.0	0.0	0.0	1.0	4.0	4.0	2.0	
11	1.0	0.0	0.0	0.0	1.0	1.0	0.0	1.0	19.0	2.0	7.0	1.0	
12	0.0	1.0	0.0	6.0	10.0	7.0	0.0	0.0	2.0	15.0	20.0	19.0	
13	0.0	6.0	10.0	0.0	3.0	19.0	0.0	4.0	20.0	0.0	0.0	3.0	
14	0.0	0.0	4.0	1.0	0.0	0.0	0.0	11.0	3.0	0.0	5.0	20.0	
15	0.0	18.0	23.0	1.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	7.0	
16	1.0	10.0	1.0	0.0	0.0	3.0	0.0	1.0	7.0	0.0	0.0	7.0	
17	0.0	28.0	43.0	0.0	0.0	8.0	0.0	3.0	0.0	10.0	35.0	12.0	
18	4.0	13.0	3.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	5.0	17.0	
19	0.0	46.0	17.0	0.0	0.0	0.0	1.0	0.0	4.0	0.0	15.0	32.0	
20	0.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0	30.0	9.0	
21	0.0	78.0	6.0	0.0	0.0	3.0	0.0	3.0	3.0	8.0	38.0	10.0	
22	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	1.0	29.0	
23	1.0	18.0	1.0	1.0	0.0	1.0	1.0	0.0	9.0	10.0	7.0	15.0	
24	1.0	40.0	0.0	55.0	0.0	0.0	0.0	13.0	6.0	1.0	9.0	3.0	
25	1.0	1.0	0.0	4.0	0.0	3.0	0.0	13.0	70.0	19.0	30.0	0.0	
26	6.0	64.0	0.0	1.0	0.0	16.0	0.0	0.0	31.0	49.0	3.0	0.0	
27	22.0	24.0	1.0	2.0	1.0	5.0	0.0	0.0	19.0	34.0	0.0	0.0	
28	1.0	24.0	1.0	0.0	1.0	1.0	0.0	3.0	18.0	5.0	0.0	0.0	
29	5.0		0.0	37.0	1.0	0.0	0.0	0.0	8.0	121.0	0.0	0.0	
30	0.0		1.0	1.0	0.0	9.0	0.0	0.0	1.0	1.0	10.0	0.0	
31	3.0		1.0		6.0		0.0	0.0		0.0		0.0	
Total	299.0	474.0	121.0	252.0	155.0	145.0	29.0	59.0	299.0	378.0	322.0	298.0	Anual 2831.0
Días Ll.	21	23	21	18	17	21	6	13	22	22	23	21	

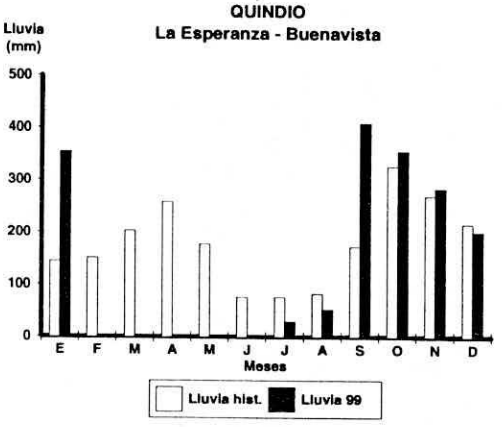
Estación : VILLA HORIZABA
Año : 1999

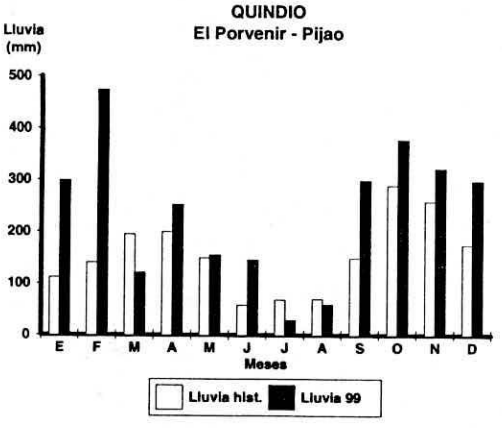
Dpto. : QUINDIO
Mpio. : GENOVA

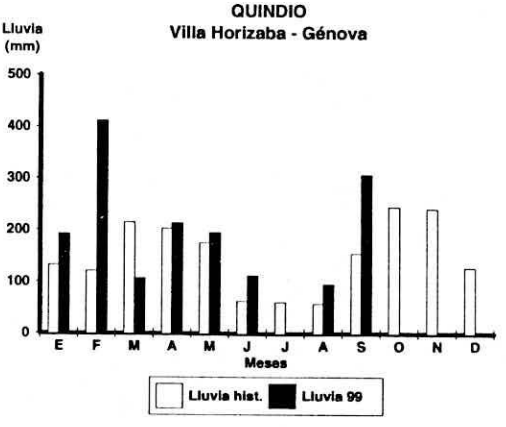
Latitud : 4 ° 15 'N
Longitud : 75 ° 48 'W
Altitud : 1540 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	10.0	1.0	0.0	0.0	15.0		0.0	0.0				
2	0.0	0.0	0.0	30.0	0.0	0.0		0.0	0.0				
3	47.0	20.0	0.0	0.0	28.0	10.0		0.0	0.0				
4	10.0	3.0	0.0	7.0	0.0	0.0		0.0	0.0				
5	3.0	15.0	0.0	15.0	10.0	0.0		0.0	0.0				
6	4.0	42.0	0.0	0.0	40.0	0.0		0.0	5.0				
7	30.0	0.0	1.0	48.0	0.0	20.0		0.0	7.0				
8	5.0	0.0	17.0	10.0	0.0	0.0		0.0	4.0				
9	2.0	0.0	0.0	5.0	29.0	0.0		0.0	6.0				
10	30.0	0.0	0.0	30.0	0.0	0.0		0.0	11.0				
11	5.0	30.0	0.0	0.0	10.0	10.0		5.0	21.0				
12	10.0	0.0	0.0	5.0	21.0	12.0		8.0	25.0				
13	0.0	2.0	0.0	0.0	0.0	0.0		0.0	20.0				
14	2.0	0.0	20.0	0.0	0.0	0.0		0.0	3.0				
15	0.0	30.0	16.0	0.0	2.0	5.0		1.0	4.0				
16	0.0	10.0	1.0	0.0	0.0	9.0		0.0	32.0				
17	0.0	40.0	15.0	0.0	0.0	15.0		0.0	0.0				
18	0.0	6.0	0.0	0.0	0.0	2.0		2.0	0.0				
19	2.0	50.0	20.0	0.0	0.0	0.0		2.0	0.0				
20	0.0	4.0	2.0	0.0	0.0	0.0		2.0	10.0				
21	0.0	37.0	3.0	0.0	0.0	0.0		0.0	0.0				
22	1.0	11.0	4.0	0.0	0.0	0.0		19.0	9.0				
23	0.0	8.0	0.0	0.0	0.0	0.0		0.0	20.0				
24	0.0	20.0	7.0	10.0	0.0	0.0		20.0	26.0				
25	0.0	4.0	0.0	5.0	0.0	10.0		0.0	78.0				
26	5.0	38.0	0.0	15.0	0.0	0.0		0.0	10.0				
27	35.0	2.0	0.0	3.0	0.0	2.0		5.0	0.0				
28	0.0	30.0	0.0	5.0	0.0	3.0		0.0	3.0				
29	0.0		0.0	25.0	0.0	0.0		0.0	0.0				
30	0.0		0.0	0.0	0.0	0.0		0.0	14.0				
31	1.0		0.0		55.0			32.0					
Total	192.0	412.0	107.0	213.0	195.0	113.0		96.0	308.0				Anual
Días Ll.	16	21	12	14	8	12		10	19				


QUINDIO
La Miranda - La Tebaida
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


QUINDIO
La Esperanza - Buenavista
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


QUINDIO
El Porvenir - Pijao
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


QUINDIO
Villa Horizaba - Génova
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : LA ALEJANDRIA
Año : 1999

Dpto. : QUINDIO
Mpio. : GENOVA

Latitud : 4 ° 11 'N
Longitud : 75 ° 47 'W
Altitud : 1700 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	0.0	0.0	10.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	
2	30.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	
3	40.0	40.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	10.0	
4	30.0	25.0	0.0	0.0	10.0	5.0	0.0	0.0	0.0	10.0	0.0	10.0	
5	30.0	25.0	0.0	50.0	0.0	5.0	0.0	0.0	30.0	10.0	10.0	0.0	
6	30.0	0.0	0.0	70.0	22.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	
7	50.0	0.0	10.0	0.0	0.0	20.0	0.0	0.0	20.0	0.0	2.0	0.0	
8	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	
9	1.0	0.0	0.0	12.0	20.0	0.0	0.0	0.0	10.0	10.0	0.0	0.0	
10	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	
11	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	10.0	0.0	10.0	
12	0.0	0.0	0.0	0.0	20.0	10.0	0.0	0.0	24.0	0.0	10.0	0.0	
13	0.0	0.0	5.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	50.0	10.0	
14	10.0	0.0	5.0	10.0	10.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	
15	20.0	25.0	10.0	0.0	0.0	10.0	0.0	0.0	56.0	0.0	0.0	0.0	
16	0.0	25.0	0.0	0.0	0.0	0.0	0.0	10.0	10.0	0.0	10.0	0.0	
17	0.0	40.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	
18	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	20.0	10.0	
19	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	10.0	10.0	
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	20.0	0.0	
21	10.0	40.0	0.0	0.0	0.0	10.0	3.0	0.0	0.0	0.0	60.0	80.0	
22	0.0	10.0	10.0	0.0	0.0	0.0	0.0	10.0	0.0	40.0	20.0	0.0	
23	3.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	
24	30.0	5.0	0.0	40.0	30.0	0.0	0.0	0.0	10.0	0.0	15.0	0.0	
25	0.0	0.0	0.0	20.0	0.0	10.0	0.0	10.0	40.0	0.0	0.0	0.0	
26	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0	60.0	20.0	0.0	
27	0.0	10.0	16.0	0.0	10.0	10.0	0.0	0.0	20.0	40.0	0.0	0.0	
28	0.0	20.0	0.0	10.0	0.0	27.0	0.0	0.0	0.0	10.0	0.0	0.0	
29	0.0		5.0	10.0	0.0	0.0	0.0	10.0	0.0	40.0	30.0	0.0	
30	0.0		0.0	0.0	0.0	12.0	0.0	0.0	10.0	0.0	0.0	0.0	
31	0.0		30.0		0.0		0.0	0.0		0.0		0.0	
													Anual
Total	318.0	305.0	161.0	262.0	152.0	149.0	20.0	50.0	346.0	240.0	422.0	140.0	2565.0
Días Ll.	15	13	9	9	9	12	4	5	13	10	18	7	

Estación : LA ORIENTAL
Año : 1999

Dpto. : RISARALDA
Mpio. : QUINCHIA

Latitud : 5 ° 22 'N
Longitud : 75 ° 43 'W
Altitud : 1730 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	10.0	3.0	5.0	9.0	4.0	25.0	30.0	12.0	7.0	2.0	2.0	5.0	
2	7.0	0.0	0.0	32.0	3.0	0.0	22.0	0.0	0.0	0.0	20.0	1.0	
3	2.0	27.0	0.0	0.0	35.0	0.0	33.0	2.0	0.0	11.0	5.0	5.0	
4	3.0	2.0	1.0	3.0	9.0	11.0	2.0	24.0	5.0	10.0	15.0	23.0	
5	5.0	4.0	0.0	0.0	0.0	7.0	0.0	33.0	0.0	13.0	5.0	15.0	
6	0.0	0.0	0.0	44.0	29.0	18.0	0.0	0.0	0.0	2.0	4.0	9.0	
7	0.0	0.0	0.0	25.0	3.0	26.0	5.0	0.0	10.0	12.0	12.0	0.0	
8	18.0	0.0	0.0	35.0	0.0	30.0	23.0	0.0	25.0	3.0	2.0	0.0	
9	22.0	26.0	0.0	7.0	34.0	6.0	3.0	0.0	23.0	1.0	25.0	10.0	
10	15.0	0.0	16.0	30.0	0.0	59.0	0.0	0.0	0.0	0.0	49.0	0.0	
11	7.0	7.0	0.0	2.0	2.0	0.0	15.0	0.0	0.0	2.0	0.0	0.0	
12	10.0	0.0	0.0	12.0	38.0	0.0	10.0	0.0	9.0	0.0	13.0	18.0	
13	6.0	19.0	0.0	10.0	0.0	12.0	0.0	2.0	12.0	0.0	0.0	10.0	
14	4.0	21.0	69.0	15.0	0.0	0.0	0.0	9.0	0.0	4.0	0.0	19.0	
15	6.0	3.0	11.0	12.0	0.0	3.0	14.0	0.0	0.0	12.0	0.0	20.0	
16	0.0	36.0	37.0	0.0	4.0	2.0	0.0	0.0	38.0	0.0	5.0	4.0	
17	0.0	13.0	64.0	0.0	0.0	12.0	6.0	0.0	0.0	0.0	19.0	9.0	
18	0.0	3.0	5.0	0.0	0.0	0.0	0.0	18.0	0.0	18.0	5.0	0.0	
19	2.0	2.0	8.0	0.0	0.0	0.0	29.0	0.0	5.0	42.0	6.0	11.0	
20	2.0	9.0	6.0	0.0	48.0	2.0	2.0	28.0	0.0	0.0	29.0	7.0	
21	40.0	4.0	0.0	0.0	2.0	18.0	0.0	0.0	26.0	5.0	0.0	7.0	
22	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	10.0	0.0	
23	0.0	39.0	0.0	42.0	0.0	0.0	36.0	32.0	7.0	0.0	11.0	12.0	
24	29.0	61.0	0.0	27.0	0.0	15.0	0.0	0.0	8.0	16.0	20.0	35.0	
25	0.0	6.0	9.0	8.0	0.0	12.0	0.0	5.0	0.0	0.0	0.0	0.0	
26	2.0	4.0	5.0	15.0	0.0	27.0	0.0	18.0	18.0	18.0	0.0	5.0	
27	16.0	29.0	16.0	0.0	0.0	22.0	0.0	0.0	17.0	0.0	0.0	5.0	
28	0.0	38.0	0.0	4.0	0.0	2.0	0.0	0.0	28.0	10.0	8.0	0.0	
29	0.0		4.0	5.0	5.0	0.0	0.0	0.0	0.0	16.0	16.0	0.0	
30	0.0		0.0	13.0	0.0	4.0	10.0	0.0	10.0	2.0	20.0	0.0	
31	22.0		0.0		20.0		10.0	7.0		0.0		3.0	
													Anual
Total	228.0	359.0	256.0	350.0	236.0	313.0	250.0	190.0	248.0	211.0	301.0	233.0	3175.0
Días Ll.	20	22	14	20	14	20	16	12	16	20	22	21	

Estación : EL BARRANCO
Año : 1999

Dpto. : RISARALDA
Mpio. : MISTRATO

Latitud : 5 ° 20 'N
Longitud : 75 ° 53 'W
Altitud : 1580 m

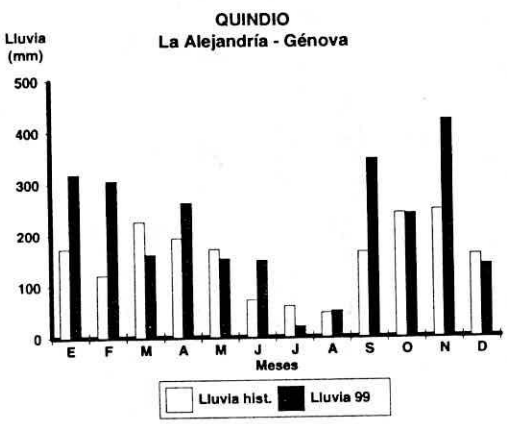
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	5.0	5.0	4.0	3.0	10.0	5.0	10.0	0.0	9.0	12.0	6.0	6.0	
2	3.0	7.0	7.0	4.0	10.0	4.0	8.0	15.0	6.0	10.0	9.0	9.0	
3	4.0	10.0	0.0	5.0	10.0	10.0	6.0	2.0	4.0	15.0	6.0	3.0	
4	10.0	3.0	0.0	10.0	10.0	4.0	9.0	6.0	0.0	10.0	5.0	5.0	
5	10.0	12.0	0.0	20.0	7.0	7.0	8.0	8.0	10.0	10.0	6.0	4.0	
6	5.0	15.0	4.0	25.0	7.0	0.0	6.0	15.0	8.0	20.0	20.0	2.0	
7	0.0	18.0	6.0	9.0	6.0	0.0	12.0	6.0	4.0	5.0	15.0	8.0	
8	11.0	12.0	4.0	12.0	12.0	10.0	15.0	9.0	9.0	6.0	6.0	5.0	
9	3.0	21.0	3.0	6.0	20.0	5.0	10.0	8.0	13.0	8.0	7.0	0.0	
10	6.0	16.0	0.0	9.0	10.0	4.0	12.0	6.0	10.0	10.0	9.0	0.0	
11	15.0	8.0	4.0	6.0	5.0	7.0	10.0	10.0	12.0	7.0	6.0	4.0	
12	1.0	6.0	3.0	0.0	4.0	6.0	10.0	6.0	0.0	10.0	12.0	3.0	
13	3.0	15.0	0.0	0.0	0.0	2.0	0.0	5.0	0.0	15.0	10.0	6.0	
14	1.0	21.0	7.0	0.0	5.0	4.0	0.0	6.0	7.0	10.0	15.0	9.0	
15	1.0	17.0	0.0	12.0	6.0	5.0	0.0	3.0	4.0	10.0	7.0	6.0	
16	0.0	14.0	2.0	6.0	0.0	7.0	0.0	0.0	9.0	10.0	6.0	15.0	
17	0.0	6.0	0.0	10.0	4.0	10.0	10.0	0.0	13.0	6.0	3.0	20.0	
18	0.0	9.0	7.0	0.0	10.0	12.0	10.0	0.0	6.0	5.0	10.0	16.0	
19	9.0	14.0	0.0	0.0	8.0	20.0	10.0	0.0	9.0	8.0	12.0	30.0	
20	10.0	20.0	4.0	0.0	5.0	8.0	6.0	9.0	6.0	20.0	15.0	10.0	
21	0.0	17.0	10.0	6.0	0.0	10.0	9.0	8.0	4.0	10.0	6.0	8.0	
22	1.0	15.0	5.0	4.0	4.0	10.0	7.0	3.0	7.0	5.0	2.0	9.0	
23	0.0	20.0	3.0	0.0	6.0	0.0	18.0	6.0	6.0	6.0	8.0	16.0	
24	2.0	25.0	0.0	10.0	5.0	6.0	5.0	10.0	9.0	10.0	6.0	6.0	
25	0.0	10.0	2.0	12.0	3.0	4.0	0.0	9.0	13.0	12.0	5.0	3.0	
26	3.0	10.0	1.0	6.0	2.0	0.0	10.0	6.0	6.0	6.0	4.0	8.0	
27	0.0	5.0	7.0	8.0	5.0	3.0	0.0	8.0	20.0	5.0	6.0	4.0	
28	0.0	3.0	10.0	20.0	7.0	10.0	10.0	4.0	17.0	6.0	2.0	9.0	
29	20.0		9.0	6.0	8.0	12.0	0.0	0.0	5.0	0.0	7.0	6.0	
30	1.0		7.0	10.0	10.0	10.0	5.0	0.0	10.0	0.0	7.0	8.0	
31	3.0		6.0		10.0		10.0	6.0		5.0		9.0	
Total	127.0	354.0	115.0	219.0	209.0	195.0	226.0	174.0	236.0	272.0	238.0	247.0	Anual 2612.0
Días LI.	22	28	22	23	28	26	24	24	27	29	30	29	

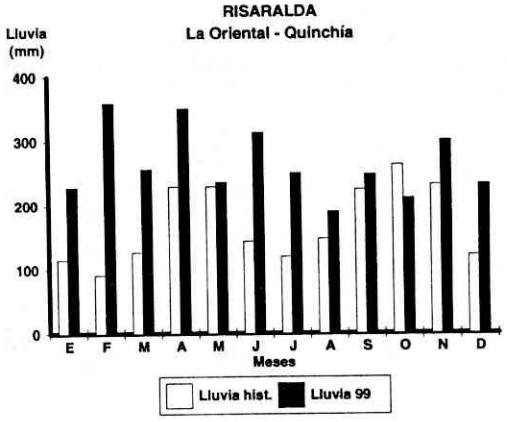
Estación : EL DIAMANTE
Año : 1999

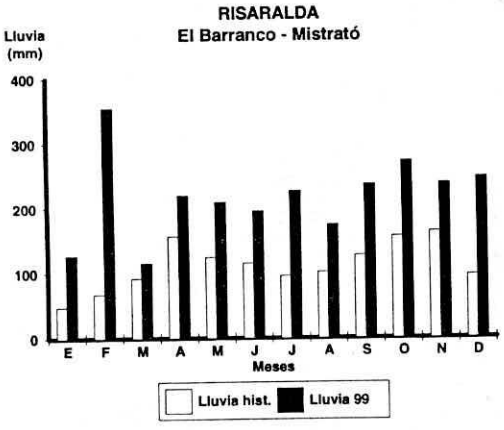
Dpto. : RISARALDA
Mpio. : QUINCHIA

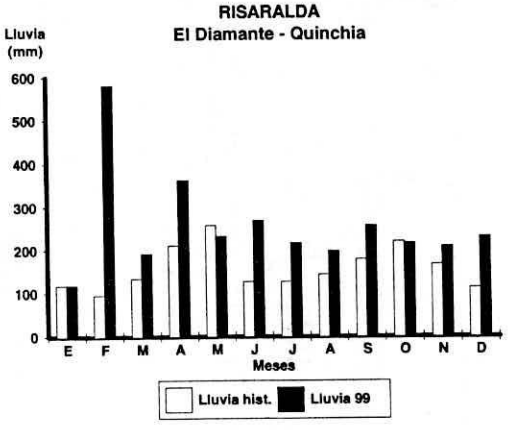
Latitud : 5 ° 19 'N
Longitud : 75 ° 42 'W
Altitud : 1440 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	0.0	0.0	0.0	20.2	35.2	25.5	0.0	0.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	0.0	0.0	13.7	0.0	0.0	0.0	0.0	0.0	
3	0.0	31.1	0.0	22.7	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	
4	0.0	11.2	18.1	0.0	0.0	27.2	0.0	0.0	0.0	0.0	0.0	0.0	
5	0.0	0.0	0.0	0.0	40.3	0.0	0.0	42.8	0.0	0.0	38.5	0.0	
6	0.0	14.2	0.0	26.1	47.2	7.3	44.1	25.2	0.0	15.1	0.0	32.4	
7	36.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8	0.0	0.0	0.0	0.0	20.1	52.7	0.0	0.0	38.5	0.0	0.0	0.0	
9	0.0	0.0	0.0	52.1	16.5	0.0	0.0	0.0	40.4	0.0	6.5	0.0	
10	0.0	48.5	0.0	53.5	0.0	49.8	0.0	0.0	0.0	14.4	48.9	0.0	
11	0.0	5.6	0.0	40.1	0.0	0.0	12.2	0.0	0.0	0.0	0.0	0.0	
12	0.0	0.0	0.0	29.6	27.4	0.0	0.0	0.0	0.0	0.0	0.0	49.3	
13	38.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14	0.0	11.0	27.4	0.0	0.0	16.1	0.0	9.5	28.7	0.0	0.0	0.0	
15	0.0	0.0	24.3	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0	
16	0.0	0.0	0.0	0.0	10.9	0.0	0.0	0.0	56.1	0.0	21.2	0.0	
17	2.7	50.6	54.5	0.0	0.0	12.7	0.0	0.0	0.0	0.0	0.0	20.6	
18	0.0	13.2	16.9	0.0	0.0	0.0	0.0	0.0	0.0	30.4	0.0	25.4	
19	0.0	14.3	0.0	0.0	0.0	0.0	49.8	0.0	0.0	20.1	0.0	10.1	
20	0.0	46.6	5.7	0.0	27.1	0.0	9.6	29.8	0.0	40.5	0.0	15.2	
21	0.0	5.6	0.0	0.0	26.5	0.0	0.0	0.0	0.0	0.0	0.0	11.6	
22	0.0	44.8	0.0	0.0	0.0	0.0	0.0	1.1	34.0	39.1	0.0	0.0	
23	0.0	35.8	0.0	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0	
24	0.0	17.9	0.0	0.0	0.0	42.8	0.0	0.0	0.0	23.4	0.0	65.7	
25	0.0	89.5	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	
26	0.0	22.3	0.0	74.8	0.0	0.0	0.0	15.5	28.9	14.1	39.3	0.0	
27	0.0	46.3	20.2	34.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
28	40.1	71.6	10.1	4.9	0.0	0.0	0.0	10.2	0.0	0.0	20.2	0.0	
29	0.0		0.0	0.0	0.0	0.0	0.0	37.6	12.5	0.0	30.1	0.0	
30	0.0		14.3	24.1	0.0	36.3	0.0	0.0	16.9	18.4	0.0	0.0	
31	0.0		0.0		15.4		28.3	0.0		0.0		0.0	
Total	118.4	580.1	191.5	362.0	231.4	268.1	214.9	197.2	256.0	215.5	207.8	230.3	Anual 3073.2
Días LI.	4	18	9	10	9	10	9	9	8	9	8	8	


QUINDIO
La Alejandría - Génova
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


RISARALDA
La Oriental - Quinchía
Lluvia (mm)
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


RISARALDA
El Barranco - Mistrató
Lluvia (mm)
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


RISARALDA
El Diamante - Quinchia
Lluvia (mm)
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : BUENOS AIRES
Año : 1999

Dpto. : RISARALDA
Mpio. : GUATICA

Latitud : 5 ° 18 'N
Longitud : 75 ° 49 'W
Altitud : 1750 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	2.0	15.0	0.0	0.0	0.0	24.0	20.0	1.0	10.0	0.0	2.0	5.0	
2	3.0	3.0	0.0	20.0	7.0	0.0	9.0	0.0	8.0	0.0	3.0	0.0	
3	4.0	24.0	3.0	2.0	0.0	5.0	8.0	0.0	0.0	17.0	0.0	9.0	
4	4.0	0.0	0.0	0.0	2.0	20.0	0.0	11.0	3.0	0.0	5.0	13.0	
5	4.0	3.0	0.0	0.0	0.0	10.0	0.0	27.0	0.0	6.0	7.0	0.0	
6	0.0	4.0	2.0	15.0	23.0	6.0	13.0	39.0	0.0	4.0	6.0	2.0	
7	9.0	11.0	0.0	40.0	7.0	5.0	0.0	1.0	5.0	0.0	12.0	5.0	
8	1.0	12.0	0.0	35.0	9.0	3.0	1.0	0.0	0.0	4.0	8.0	0.0	
9	2.0	10.0	1.0	11.0	25.0	3.0	0.0	0.0	35.0	2.0	5.0	30.0	
10	36.0	3.0	3.0	36.0	0.0	7.0	0.0	0.0	8.0	5.0	8.0	0.0	
11	3.0	7.0	0.0	17.0	13.0	0.0	0.0	0.0	22.0	14.0	0.0	0.0	
12	2.0	0.0	0.0	17.0	12.0	4.0	0.0	0.0	11.0	0.0	12.0	5.0	
13	2.0	1.0	0.0	7.0	12.0	9.0	0.0	5.0	18.0	0.0	18.0	6.0	
14	1.0	15.0	30.0	0.0	2.0	4.0	0.0	20.0	2.0	27.0	2.0	1.0	
15	0.0	32.0	25.0	0.0	0.0	21.0	10.0	0.0	12.0	19.0	1.0	2.0	
16	2.0	10.0	8.0	0.0	11.0	13.0	0.0	0.0	17.0	0.0	2.0	5.0	
17	0.0	2.0	12.0	0.0	0.0	7.0	10.0	1.0	0.0	0.0	7.0	9.0	
18	0.0	12.0	0.0	0.0	4.0	0.0	0.0	12.0	0.0	6.0	24.0	10.0	
19	5.0	2.0	0.0	0.0	0.0	0.0	13.0	2.0	0.0	12.0	0.0	2.0	
20	6.0	22.0	0.0	20.0	0.0	0.0	41.0	10.0	25.0	2.0	5.0	2.0	
21	0.0	4.0	0.0	0.0	6.0	7.0	0.0	6.0	24.0	8.0	8.0	3.0	
22	1.0	5.0	0.0	1.0	3.0	0.0	0.0	0.0	0.0	7.0	12.0	5.0	
23	1.0	18.0	0.0	5.0	2.0	0.0	18.0	1.0	0.0	0.0	5.0	4.0	
24	8.0	35.0	0.0	8.0	0.0	17.0	2.0	0.0	27.0	0.0	20.0	0.0	
25	0.0	0.0	0.0	15.0	0.0	6.0	0.0	30.0	0.0	2.0	10.0	0.0	
26	0.0	1.0	0.0	25.0	0.0	12.0	10.0	9.0	7.0	9.0	0.0	0.0	
27	5.0	7.0	4.0	4.0	0.0	32.0	0.0	2.0	8.0	0.0	0.0	0.0	
28	5.0	24.0	10.0	0.0	0.0	5.0	1.0	0.0	12.0	0.0	0.0	0.0	
29	0.0		19.0	45.0	5.0	0.0	0.0	10.0	0.0	8.0	0.0	0.0	
30	0.0		1.0	10.0	1.0	0.0	7.0	0.0	2.0	6.0	5.0	31.0	
31	1.0		5.0		6.0		13.0	6.0		0.0		0.0	
Total	107.0	282.0	123.0	333.0	150.0	220.0	176.0	193.0	256.0	158.0	187.0	149.0	Anual 2334.0
Días LI.	22	25	13	19	18	21	15	18	19	18	23	19	

Estación : LOS CAMBULOS
Año : 1999

Dpto. : RISARALDA
Mpio. : BELEN DE UMBRIA

Latitud : 5 ° 9 'N
Longitud : 75 ° 53 'W
Altitud : 1400 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	2.0	0.0	0.0	4.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	
2	2.0	0.0	0.0	20.0	0.0	0.0	13.0	2.0	0.0	0.0	4.0	3.0	
3	2.0	0.0	0.0	1.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	
4	7.0	6.0	0.0	0.0	0.0	39.0	0.0	0.0	0.0	2.0	0.0	0.0	
5	8.0	0.0	0.0	0.0	9.0	0.0	0.0	2.0	0.0	10.0	2.0	8.0	
6	6.0	7.0	0.0	1.0	20.0	2.0	4.0	30.0	2.0	0.0	10.0	2.0	
7	10.0	4.0	2.0	5.0	1.0	30.0	0.0	0.0	4.0	0.0	30.0	0.0	
8	30.0	8.0	0.0	10.0	0.0	15.0	0.0	0.0	2.0	8.0	0.0	0.0	
9	5.0	20.0	0.0	4.0	18.0	2.0	0.0	0.0	20.0	0.0	3.0	0.0	
10	4.0	0.0	10.0	42.0	0.0	20.0	0.0	2.0	0.0	10.0	7.0	20.0	
11	3.0	3.0	0.0	20.0	7.0	0.0	0.0	0.0	0.0	5.0	0.0	5.0	
12	0.0	0.0	0.0	5.0	47.0	35.0	13.0	2.0	10.0	6.0	5.0	10.0	
13	0.0	5.0	0.0	14.0	0.0	30.0	0.0	35.0	40.0	0.0	30.0	5.0	
14	0.0	30.0	35.0	9.0	0.0	19.0	0.0	20.0	0.0	0.0	0.0	5.0	
15	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	3.0	
16	7.0	2.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	10.0	10.0	7.0	
17	0.0	9.0	0.0	0.0	0.0	17.0	0.0	0.0	3.0	0.0	5.0	5.0	
18	0.0	5.0	6.0	0.0	5.0	4.0	0.0	4.0	0.0	0.0	4.0	0.0	
19	5.0	95.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	0.0	2.0	
20	0.0	4.0	0.0	0.0	0.0	7.0	3.0	0.0	5.0	5.0	2.0	20.0	
21	0.0	3.0	0.0	0.0	3.0	10.0	0.0	0.0	90.0	0.0	0.0	10.0	
22	0.0	2.0	0.0	30.0	0.0	0.0	0.0	2.0	0.0	0.0	30.0	30.0	
23	40.0	5.0	2.0	32.0	0.0	10.0	20.0	0.0	10.0	7.0	20.0	8.0	
24	3.0	70.0	0.0	15.0	0.0	10.0	0.0	0.0	15.0	0.0	10.0	15.0	
25	2.0	0.0	0.0	26.0	0.0	2.0	0.0	10.0	85.0	11.0	2.0	0.0	
26	0.0	0.0	0.0	0.0	0.0	33.0	0.0	0.0	10.0	10.0	0.0	0.0	
27	10.0	20.0	0.0	4.0	0.0	24.0	2.0	8.0	0.0	40.0	0.0	0.0	
28	0.0	60.0	30.0	5.0	4.0	0.0	0.0	0.0	0.0	35.0	0.0	0.0	
29	0.0		0.0	30.0	0.0	0.0	0.0	0.0	5.0	2.0	2.0	0.0	
30	5.0		3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	
31	0.0		9.0		0.0		0.0	8.0		0.0		0.0	
Total	159.0	370.0	97.0	273.0	121.0	332.0	55.0	125.0	313.0	177.0	176.0	158.0	Anual 2356.0
Días LI.	18	21	8	18	11	20	6	12	16	17	17	17	

Estación : LA TRIBUNA
Año : 1999

Dpto. : RISARALDA
Mpio. : BALBOA

Latitud : 4 ° 57 'N
Longitud : 75 ° 58 'W
Altitud : 1580 m

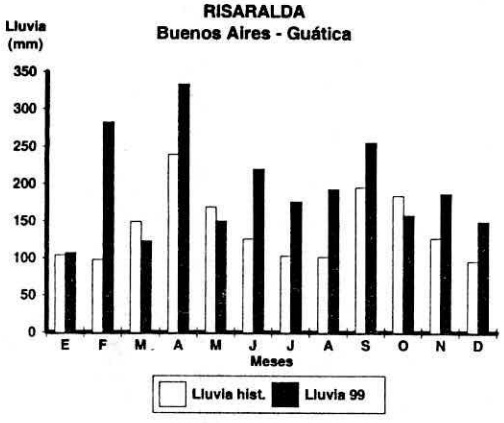
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	35.0	10.0	4.0	0.0	14.0	6.0	12.0	1.0	17.0	17.0	4.0	12.0	
2	0.0	8.0	5.0	22.0	0.0	0.0	19.0	12.0	27.0	0.0	0.0	0.0	
3	29.0	0.0	6.0	0.0	20.0	0.0	6.0	9.0	17.0	7.0	0.0	0.0	
4	6.0	12.0	0.0	0.0	0.0	26.0	2.0	0.0	0.0	0.0	2.0	60.0	
5	10.0	0.0	0.0	7.0	21.0	12.0	0.0	0.0	0.0	23.0	0.0	21.0	
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	2.0	41.0	
7	10.0	0.0	20.0	32.0	17.0	19.0	11.0	57.0	0.0	0.0	50.0	0.0	
8	0.0	5.0	7.0	2.0	0.0	17.0	2.0	0.0	17.0	15.0	22.0	0.0	
9	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	33.0	0.0	
10	20.0	0.0	0.0	17.0	6.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	
11	15.0	0.0	0.0	51.0	0.0	0.0	0.0	5.0	57.0	0.0	12.0	0.0	
12	0.0	5.0	8.0	52.0	16.0	0.0	0.0	12.0	15.0	0.0	0.0	7.0	
13	20.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	17.0	0.0	0.0	10.0	
14	13.0	5.0	2.0	0.0	0.0	0.0	0.0	10.0	2.0	0.0	11.0	10.0	
15	8.0	27.0	5.0	0.0	0.0	2.0	0.0	21.0	0.0	0.0	10.0	21.0	
16	0.0	31.0	37.0	0.0	22.0	8.0	0.0	55.0	28.0	25.0	0.0	12.0	
17	0.0	7.0	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	10.0	
18	0.0	10.0	36.0	4.0	0.0	0.0	0.0	0.0	6.0	17.0	0.0	21.0	
19	10.0	10.0	23.0	0.0	0.0	16.0	19.0	0.0	0.0	0.0	15.0	0.0	
20	13.0	21.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	26.0	0.0	
21	0.0	7.0	8.0	0.0	0.0	20.0	0.0	0.0	17.0	0.0	18.0	0.0	
22	0.0	10.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	10.0	0.0	21.0	
23	0.0	20.0	0.0	0.0	0.0	9.0	0.0	0.0	17.0	0.0	14.0	0.0	
24	0.0	14.0	4.0	14.0	0.0	12.0	0.0	9.0	18.0	0.0	26.0	0.0	
25	0.0	0.0	0.0	17.0	6.0	9.0	0.0	0.0	30.0	17.0	0.0	0.0	
26	7.0	5.0	0.0	19.0	0.0	7.0	1.0	10.0	17.0	0.0	2.0	0.0	
27	0.0	52.0	4.0	0.0	0.0	0.0	3.0	15.0	0.0	17.0	26.0	0.0	
28	0.0	0.0	34.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	26.0	0.0	
29	0.0		20.0	31.0	0.0	0.0	0.0	0.0	8.0	20.0	4.0	0.0	
30	0.0		3.0	0.0	0.0	7.0	0.0	0.0	27.0	0.0	26.0	0.0	
31	0.0		0.0		0.0		0.0	0.0		2.0		0.0	
Total	196.0	259.0	262.0	268.0	142.0	212.0	90.0	239.0	337.0	170.0	342.0	246.0	Anual 2763.0
Días Ll.	13	18	18	12	9	16	10	15	17	11	20	12	

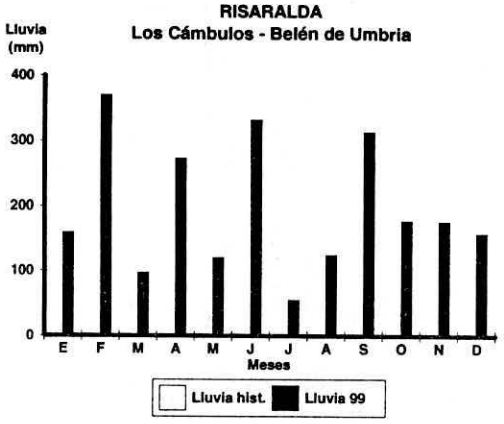
Estación : EL CASTILLO
Año : 1999

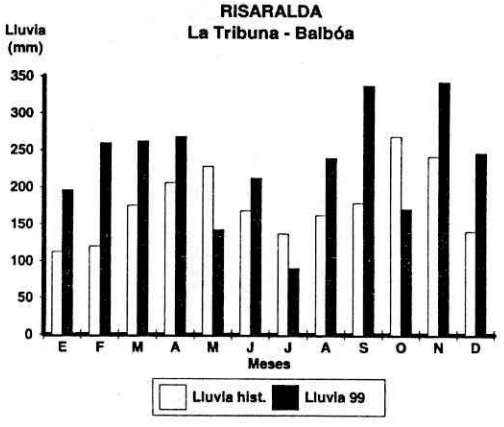
Dpto. : RISARALDA
Mpio. : SANTA ROSA DE CABAL

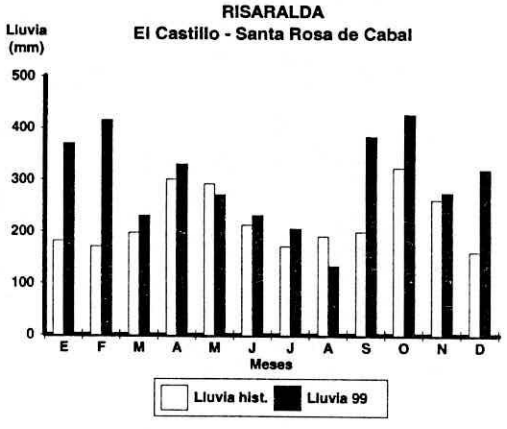
Latitud : 4 ° 56 'N
Longitud : 75 ° 40 'W
Altitud : 1550 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	11.0	0.0	4.0	5.0	0.0	0.0	0.0	24.0	3.0	2.0	6.0	
2	6.0	8.0	4.0	18.0	0.0	2.0	32.0	2.0	0.0	0.0	9.0	5.0	
3	0.0	32.0	13.0	0.0	62.0	0.0	22.0	0.0	0.0	2.0	3.0	4.0	
4	12.0	3.0	11.0	9.0	5.0	15.0	0.0	21.0	3.0	6.0	7.0	37.0	
5	9.0	13.0	0.0	24.0	5.0	0.0	3.0	0.0	2.0	10.0	15.0	0.0	
6	0.0	15.0	0.0	0.0	26.0	4.0	2.0	9.0	0.0	61.0	0.0	0.0	
7	10.0	0.0	0.0	30.0	0.0	49.0	24.0	2.0	15.0	10.0	44.0	0.0	
8	72.0	0.0	10.0	38.0	5.0	2.0	1.0	0.0	20.0	0.0	0.0	12.0	
9	16.0	0.0	8.0	8.0	33.0	8.0	14.0	0.0	28.0	3.0	0.0	9.0	
10	23.0	0.0	23.0	25.0	30.0	0.0	0.0	0.0	0.0	37.0	13.0	0.0	
11	0.0	53.0	0.0	40.0	0.0	6.0	3.0	0.0	18.0	0.0	0.0	4.0	
12	0.0	6.0	0.0	7.0	53.0	0.0	4.0	10.0	13.0	11.0	0.0	39.0	
13	0.0	14.0	0.0	0.0	3.0	10.0	0.0	23.0	30.0	0.0	9.0	11.0	
14	8.0	6.0	15.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	26.0	
15	9.0	12.0	30.0	9.0	0.0	6.0	0.0	0.0	0.0	20.0	0.0	24.0	
16	6.0	26.0	28.0	0.0	0.0	22.0	5.0	3.0	12.0	2.0	27.0	35.0	
17	0.0	32.0	34.0	0.0	0.0	0.0	11.0	0.0	4.0	0.0	64.0	9.0	
18	28.0	0.0	3.0	0.0	0.0	4.0	33.0	3.0	11.0	28.0	9.0	18.0	
19	6.0	34.0	21.0	0.0	0.0	33.0	9.0	0.0	6.0	0.0	20.0	12.0	
20	18.0	0.0	0.0	12.0	33.0	7.0	0.0	17.0	0.0	7.0	4.0	4.0	
21	0.0	20.0	0.0	0.0	4.0	0.0	0.0	4.0	28.0	3.0	0.0	6.0	
22	65.0	3.0	4.0	17.0	4.0	10.0	2.0	0.0	0.0	49.0	0.0	2.0	
23	0.0	68.0	0.0	6.0	0.0	7.0	10.0	2.0	49.0	3.0	5.0	4.0	
24	16.0	17.0	0.0	27.0	0.0	7.0	0.0	0.0	0.0	44.0	13.0	50.0	
25	5.0	3.0	0.0	7.0	0.0	3.0	0.0	3.0	15.0	12.0	0.0	3.0	
26	7.0	20.0	7.0	9.0	0.0	15.0	16.0	14.0	56.0	42.0	0.0	0.0	
27	4.0	3.0	4.0	0.0	0.0	3.0	5.0	3.0	11.0	23.0	27.0	0.0	
28	0.0	16.0	11.0	3.0	0.0	0.0	0.0	0.0	6.0	4.0	0.0	0.0	
29	26.0		0.0	22.0	0.0	0.0	0.0	0.0	0.0	32.0	4.0	0.0	
30	21.0		0.0	15.0	3.0	18.0	3.0	0.0	32.0	14.0	0.0	0.0	
31	3.0		4.0		0.0		6.0	5.0		0.0		0.0	
Total	370.0	415.0	230.0	330.0	271.0	231.0	205.0	133.0	383.0	426.0	275.0	320.0	Anual 3589.0
Días Ll.	21	22	17	20	14	20	19	16	20	23	17	21	


RISARALDA
Buenos Aires - Guática
Lluvia (mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


RISARALDA
Los Cámbulos - Belén de Umbria
Lluvia (mm)
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


RISARALDA
La Tribuna - Balbóa
Lluvia (mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


RISARALDA
El Castillo - Santa Rosa de Cabal
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : EL BOSQUE
Año : 1999

Dpto. : RISARALDA
Mpio. : DOS QUEBRADAS

Latitud : 4 ° 51 'N
Longitud : 75 ° 41 'W
Altitud : 1450 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	15.0	7.0	40.0	7.0	17.0	0.0	7.0	20.0	3.0	0.0	0.0	
2	3.0	7.0	0.0	20.0	0.0	0.0	11.0	3.0	30.0	15.0	0.0	0.0	
3	2.0	0.0	0.0	0.0	43.0	0.0	32.0	0.0	24.0	11.0	15.0	18.0	
4	0.0	4.0	2.0	30.0	4.0	0.0	0.0	8.0	2.0	9.0	12.0	16.0	
5	0.0	3.0	0.0	31.0	0.0	10.0	13.0	9.0	3.0	4.0	20.0	3.0	
6	14.0	20.0	2.0	0.0	35.0	0.0	4.0	6.0	0.0	6.0	30.0	0.0	
7	15.0	0.0	12.0	35.0	0.0	0.0	21.0	4.0	0.0	7.0	25.0	0.0	
8	5.0	0.0	48.0	22.0	10.0	7.0	0.0	0.0	4.0	0.0	0.0	12.0	
9	12.0	10.0	25.0	5.0	35.0	0.0	0.0	0.0	4.0	13.0	0.0	11.0	
10	0.0	0.0	44.0	16.0	0.0	0.0	0.0	0.0	28.0	14.0	22.0	16.0	
11	0.0	7.0	0.0	5.0	0.0	0.0	0.0	0.0	35.0	0.0	0.0	14.0	
12	2.0	16.0	0.0	42.0	21.0	0.0	21.0	0.0	8.0	0.0	0.0	30.0	
13	56.0	9.0	0.0	0.0	0.0	28.0	0.0	22.0	20.0	0.0	0.0	20.0	
14	0.0	6.0	29.0	6.0	0.0	5.0	0.0	20.0	0.0	0.0	0.0	62.0	
15	0.0	27.0	37.0	0.0	0.0	7.0	0.0	0.0	16.0	63.0	0.0	42.0	
16	12.0	31.0	20.0	0.0	0.0	13.0	0.0	6.0	17.0	23.0	0.0	15.0	
17	0.0	39.0	26.0	0.0	7.0	10.0	0.0	0.0	13.0	7.0	52.0	4.0	
18	20.0	19.0	12.0	0.0	0.0	14.0	0.0	0.0	34.0	6.0	3.0	4.0	
19	31.0	16.0	2.0	0.0	0.0	0.0	35.0	5.0	54.0	3.0	4.0	30.0	
20	12.0	32.0	0.0	43.0	0.0	0.0	0.0	37.0	17.0	2.0	35.0	35.0	
21	19.0	30.0	0.0	0.0	0.0	10.0	0.0	0.0	40.0	15.0	12.0	3.0	
22	20.0	26.0	0.0	2.0	0.0	6.0	0.0	0.0	3.0	18.0	0.0	2.0	
23	28.0	20.0	0.0	0.0	0.0	0.0	7.0	0.0	14.0	13.0	0.0	6.0	
24	10.0	34.0	14.0	29.0	0.0	7.0	10.0	0.0	20.0	10.0	59.0	30.0	
25	4.0	0.0	1.0	42.0	0.0	21.0	3.0	0.0	15.0	4.0	0.0	0.0	
26	6.0	36.0	30.0	42.0	0.0	7.0	3.0	20.0	0.0	25.0	0.0	0.0	
27	0.0	9.0	0.0	3.0	0.0	19.0	0.0	5.0	45.0	15.0	4.0	0.0	
28	0.0	36.0	20.0	2.0	0.0	0.0	0.0	0.0	15.0	3.0	0.0	0.0	
29	0.0		0.0	38.0	0.0	0.0	0.0	4.0	13.0	25.0	7.0	0.0	
30	3.0		0.0	0.0	0.0	24.0	0.0	0.0	0.0	30.0	4.0	0.0	
31	0.0		0.0		0.0		0.0	0.0		10.0		0.0	
Total	274.0	452.0	331.0	453.0	162.0	205.0	160.0	156.0	494.0	354.0	304.0	373.0	Anual 3718.0
Días LI.	19	23	17	19	8	16	11	14	25	26	15	20	

Estación : COMBIA
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 51 'N
Longitud : 75 ° 47 'W
Altitud : 1210 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	0.0	0.0	0.0	52.0	17.0	0.0	45.0	0.0	3.0	1.0	
2	20.0	2.0	0.0	23.0	12.0	0.0	21.0	4.0	0.0	0.0	5.0	0.0	
3	1.0	10.0	2.0	0.0	27.0	0.0	25.0	7.0	1.0	5.0	6.0	0.0	
4	0.0	1.0	1.0	3.0	1.0	10.0	0.0	0.0	0.0	0.0	25.0	88.0	
5	0.0	0.0	0.0	4.0	3.0	6.0	1.0	0.0	0.0	6.0	18.0	2.0	
6	0.0	0.0	15.0	3.0	28.0	4.0	2.0	26.0	0.0	8.0	9.0	0.0	
7	1.0	0.0	1.0	27.0	11.0	14.0	25.0	3.0	7.0	9.0	6.0	6.0	
8	14.0	0.0	28.0	20.0	0.0	3.0	0.0	2.0	0.0	11.0	0.0	10.0	
9	3.0	0.0	0.0	3.0	19.0	0.0	0.0	2.0	12.0	0.0	2.0	5.0	
10	15.0	0.0	2.0	29.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	2.0	
11	0.0	0.0	0.0	6.0	1.0	0.0	0.0	0.0	2.0	4.0	0.0	0.0	
12	0.0	4.0	0.0	44.0	15.0	5.0	0.0	1.0	10.0	5.0	0.0	3.0	
13	1.0	10.0	0.0	0.0	1.0	15.0	0.0	7.0	31.0	0.0	0.0	46.0	
14	0.0	30.0	13.0	7.0	0.0	1.0	0.0	13.0	0.0	2.0	0.0	35.0	
15	5.0	20.0	27.0	3.0	0.0	1.0	0.0	0.0	0.0	20.0	0.0	35.0	
16	14.0	30.0	2.0	0.0	6.0	5.0	0.0	5.0	46.0	3.0	6.0	25.0	
17	21.0	18.0	40.0	0.0	1.0	4.0	0.0	0.0	0.0	2.0	26.0	10.0	
18	0.0	5.0	4.0	0.0	1.0	5.0	0.0	0.0	0.0	2.0	4.0	5.0	
19	0.0	23.0	6.0	0.0	1.0	10.0	21.0	0.0	11.0	12.0	45.0	23.0	
20	4.0	0.0	0.0	4.0	2.0	15.0	0.0	3.0	0.0	10.0	48.0	0.0	
21	3.0	5.0	3.0	0.0	0.0	0.0	3.0	7.0	12.0	8.0	6.0	0.0	
22	14.0	21.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	2.0	19.0	
23	6.0	80.0	0.0	0.0	0.0	17.0	0.0	0.0	25.0	0.0	20.0	0.0	
24	10.0	43.0	0.0	16.0	0.0	0.0	0.0	0.0	20.0	25.0	32.0	17.0	
25	7.0	0.0	0.0	14.0	0.0	9.0	0.0	5.0	10.0	26.0	2.0	0.0	
26	0.0	20.0	10.0	29.0	0.0	6.0	0.0	4.0	7.0	65.0	0.0	0.0	
27	0.0	3.0	2.0	1.0	0.0	20.0	0.0	0.0	39.0	7.0	23.0	0.0	
28	1.0	11.0	8.0	1.0	0.0	0.0	0.0	2.0	6.0	35.0	0.0	0.0	
29	0.0		0.0	21.0	0.0	2.0	0.0	3.0	26.0	0.0	30.0	0.0	
30	0.0		2.0	1.0	0.0	3.0	0.0	0.0	0.0	36.0	5.0	0.0	
31	0.0		0.0		14.0		3.0	1.0		2.0		0.0	
Total	140.0	336.0	166.0	259.0	143.0	224.0	118.0	95.0	319.0	303.0	323.0	332.0	Anual 2758.0
Días LI.	17	18	17	20	16	23	9	17	18	22	21	17	

Estación : LOS CAMBULOS
Año : 1999

Dpto. : RISARALDA
Mpio. : PEREIRA

Latitud : 4 ° 49 'N
Longitud : 75 ° 50 'W
Altitud : 1180 m

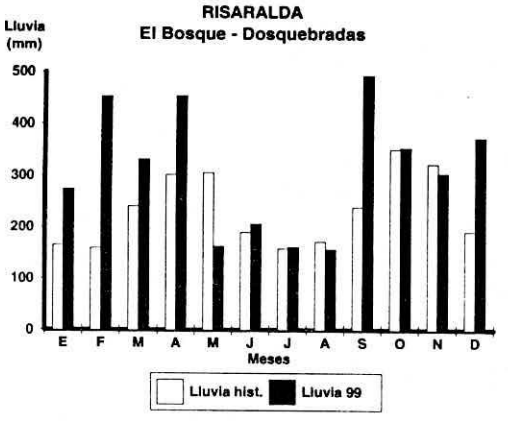
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	0.0	0.0	0.0	27.0	7.0	0.0	31.0	0.0			
2	0.0	0.0	0.0	0.0	0.0	0.0	16.0	10.0	0.0	8.0			
3	0.0	0.0	0.0	15.0	7.0	8.0	7.0	0.0	0.0	0.0			
4	0.0	7.0	0.0	4.0	0.0	20.0	0.0	0.0	0.0	0.0			
5	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	1.0			
6	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	8.0			
7	36.0	0.0	22.0	46.0	0.0	22.0	13.0	0.0	10.0	2.0			
8	19.0	0.0	0.0	0.0	27.0	7.0	0.0	0.0	0.0	0.0			
9	0.0	0.0	35.0	2.0	12.0	0.0	0.0	0.0	13.0	0.0			
10	0.0	0.0	0.0	25.0	0.0	70.0	0.0	0.0	0.0	0.0			
11	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	16.0	0.0			
12	0.0	13.0	0.0	47.0	0.0	23.0	0.0	3.0	12.0	0.0			
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0			
14	0.0	15.0	0.0	4.0	18.0	0.0	0.0	0.0	52.0	0.0			
15	0.0	15.0	25.0	0.0	0.0	0.0	0.0	42.0	0.0	26.0			
16	0.0	14.0	0.0	0.0	0.0	7.0	0.0	13.0	9.0	7.0			
17	0.0	8.0	21.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0			
18	7.0	9.0	0.0	0.0	0.0	0.0	24.0	0.0	0.0	0.0			
19	20.0	13.0	26.0	0.0	0.0	0.0	0.0	1.0	9.0	0.0			
20	0.0	0.0	0.0	0.0	8.0	0.0	0.0	7.0	0.0	0.0			
21	2.0	38.0	0.0	18.0	0.0	0.0	0.0	0.0	15.0	0.0			
22	0.0	0.0	0.0	0.0	0.0	0.0	24.0	0.0	9.0	13.0			
23	0.0	43.0	0.0	21.0	17.0	0.0	0.0	0.0	7.0	0.0			
24	82.0	20.0	0.0	0.0	0.0	9.0	0.0	0.0	11.0	0.0			
25	0.0	0.0	0.0	8.0	0.0	3.0	0.0	1.0	18.0	0.0			
26	3.0	33.0	0.0	25.0	13.0	13.0	0.0	0.0	8.0	16.0			
27	0.0	0.0	0.0	0.0	0.0	18.0	0.0	7.0	29.0	43.0			
28	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	10.0			
29	0.0		2.0	36.0	0.0	0.0	28.0	0.0	0.0	7.0			
30	0.0		18.0	0.0	0.0	10.0	0.0	0.0	15.0	0.0			
31	0.0		0.0		20.0		0.0	3.0		0.0			
													Anual
Total	169.0	236.0	149.0	265.0	137.0	241.0	119.0	93.0	272.0	141.0			
Días LI.	7	13	7	14	9	14	7	10	17	11			

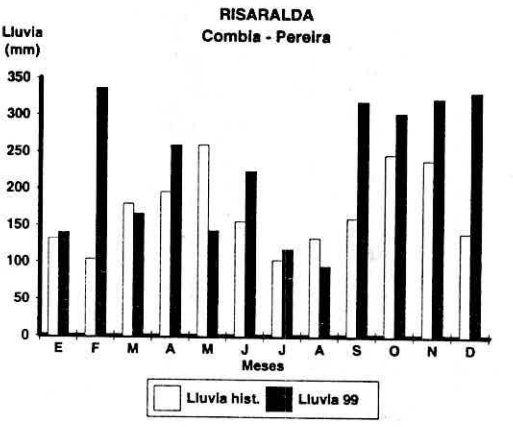
Estación : LA RENTA
Año : 1999

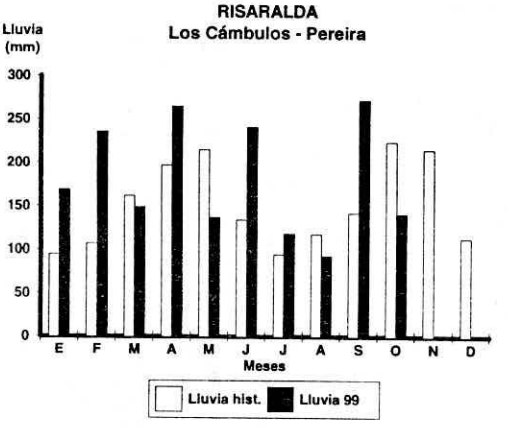
Dpto. : RISARALDA
Mpio. : PEREIRA

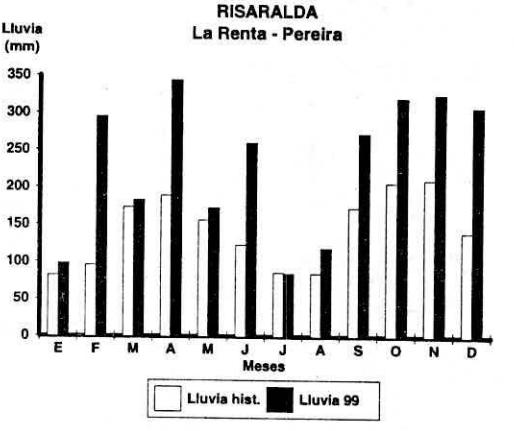
Latitud : 4 ° 47 'N
Longitud : 75 ° 47 'W
Altitud : 1190 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	2.0	0.0	0.0	0.0	0.0	43.0	30.0	0.0	18.0	24.0	0.0	5.0	
2	3.0	2.0	0.0	20.0	8.0	0.0	0.0	8.0	0.0	1.0	0.0	0.0	
3	17.0	29.0	0.0	0.0	41.0	0.0	2.0	2.0	0.0	7.0	43.0	7.0	
4	0.0	0.0	0.0	8.0	6.0	9.0	0.0	0.0	3.0	1.0	27.0	77.0	
5	1.0	0.0	0.0	2.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	
6	0.0	2.0	25.0	0.0	15.0	0.0	8.0	5.0	2.0	8.0	0.0	20.0	
7	2.0	0.0	1.0	29.0	3.0	39.0	2.0	0.0	11.0	0.0	14.0	10.0	
8	1.0	0.0	44.0	4.0	14.0	13.0	1.0	0.0	0.0	7.0	5.0	5.0	
9	6.0	0.0	0.0	0.0	35.0	0.0	0.0	9.0	23.0	0.0	0.0	2.0	
10	9.0	0.0	0.0	23.0	0.0	29.0	0.0	0.0	2.0	2.0	7.0	1.0	
11	0.0	2.0	0.0	17.0	2.0	0.0	0.0	0.0	23.0	0.0	0.0	0.0	
12	0.0	4.0	0.0	52.0	26.0	35.0	2.0	0.0	2.0	0.0	1.0	22.0	
13	0.0	0.0	2.0	0.0	1.0	17.0	0.0	2.0	56.0	8.0	0.0	24.0	
14	0.0	1.0	0.0	0.0	0.0	5.0	1.0	67.0	0.0	0.0	3.0	22.0	
15	0.0	8.0	41.0	3.0	8.0	3.0	0.0	0.0	0.0	50.0	0.0	8.0	
16	6.0	7.0	1.0	0.0	0.0	2.0	1.0	0.0	28.0	2.0	12.0	0.0	
17	0.0	37.0	36.0	0.0	0.0	10.0	2.0	1.0	0.0	0.0	28.0	24.0	
18	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	2.0	8.0	
19	3.0	12.0	8.0	0.0	4.0	0.0	13.0	0.0	22.0	0.0	25.0	25.0	
20	3.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	8.0	60.0	8.0	
21	5.0	10.0	0.0	0.0	0.0	9.0	3.0	8.0	21.0	5.0	16.0	4.0	
22	1.0	25.0	0.0	33.0	2.0	2.0	2.0	0.0	5.0	39.0	3.0	3.0	
23	13.0	51.0	0.0	0.0	0.0	0.0	1.0	2.0	0.0	0.0	46.0	0.0	
24	20.0	31.0	5.0	24.0	0.0	7.0	1.0	0.0	3.0	9.0	23.0	32.0	
25	1.0	0.0	0.0	17.0	0.0	0.0	0.0	4.0	25.0	22.0	0.0	0.0	
26	0.0	56.0	0.0	82.0	0.0	13.0	0.0	8.0	7.0	3.0	1.0	0.0	
27	5.0	14.0	8.0	0.0	0.0	17.0	2.0	0.0	12.0	53.0	2.0	0.0	
28	0.0	2.0	9.0	0.0	0.0	0.0	11.0	3.0	9.0	13.0	0.0	0.0	
29	0.0		3.0	30.0	0.0	4.0	0.0	0.0	0.0	28.0	7.0	0.0	
30	0.0		0.0	0.0	8.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	
31	0.0		0.0		0.0		0.0	0.0		20.0		0.0	
													Anual
Total	98.0	295.0	183.0	344.0	173.0	260.0	85.0	119.0	272.0	320.0	325.0	308.0	2782.0
Días LI.	17	18	12	14	14	19	17	12	18	21	19	20	


RISARALDA
El Bosque - Dosquebradas
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


RISARALDA
Combia - Pereira
Lluvia (mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


RISARALDA
Los Cámbulos - Pereira
Lluvia (mm)
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


RISARALDA
La Renta - Pereira
Lluvia (mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : EL SILENCIO
Año : 1999

Dpto. : SANTANDER
Mpio. : RIONEGRO

Latitud : 7 ° 24 'N
Longitud : 73 ° 13 'W
Altitud : 1120 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	43.0	2.0	0.0	0.0	1.0	1.0	3.0	10.0			
2	17.0	0.0	1.0	1.0	3.0	0.0	0.0	19.0	5.0	1.0			
3	10.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	2.0			
4	4.0	0.0	0.0	25.0	23.0	1.0	0.0	1.0	11.0	39.0			
5	0.0	100.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	20.0			
6	0.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	0.0	16.0			
7	0.0	0.0	0.0	54.0	48.0	12.0	0.0	0.0	0.0	3.0			
8	0.0	0.0	0.0	1.0	50.0	8.0	0.0	0.0	0.0	0.0			
9	0.0	1.0	0.0	1.0	62.0	45.0	7.0	2.0	18.0	6.0			
10	134.0	16.0	0.0	8.0	0.0	0.0	0.0	0.0	13.0	0.0			
11	1.0	0.0	0.0	2.0	7.0	29.0	0.0	0.0	15.0	12.0			
12	8.0	3.0	0.0	0.0	8.0	0.0	6.0	2.0	4.0	7.0			
13	0.0	0.0	2.0	0.0	5.0	9.0	0.0	33.0	75.0	6.0			
14	0.0	9.0	3.0	6.0	0.0	0.0	0.0	12.0	3.0	7.0			
15	0.0	5.0	14.0	0.0	0.0	0.0	0.0	0.0	2.0	8.0			
16	1.0	0.0	0.0	0.0	0.0	29.0	8.0	23.0	33.0	8.0			
17	35.0	0.0	3.0	0.0	0.0	62.0	1.0	5.0	0.0	0.0			
18	0.0	20.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	21.0			
19	3.0	3.0	12.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0			
20	0.0	10.0	0.0	20.0	2.0	0.0	2.0	0.0	3.0	33.0			
21	0.0	5.0	12.0	0.0	9.0	0.0	10.0	0.0	19.0	0.0			
22	5.0	0.0	0.0	19.0	38.0	1.0	0.0	23.0	7.0	2.0			
23	0.0	28.0	0.0	11.0	0.0	4.0	4.0	1.0	0.0	30.0			
24	1.0	19.0	0.0	26.0	0.0	50.0	1.0	58.0	10.0	0.0			
25	0.0	5.0	0.0	1.0	0.0	0.0	19.0	3.0	0.0	10.0			
26	0.0	0.0	0.0	5.0	0.0	0.0	0.0	2.0	30.0	0.0			
27	0.0	0.0	38.0	5.0	0.0	4.0	2.0	1.0	16.0	13.0			
28	0.0	10.0	19.0	6.0	0.0	3.0	3.0	1.0	8.0	0.0			
29	0.0		0.0	1.0	0.0	2.0	5.0	0.0	0.0	8.0			
30	0.0		0.0	31.0	1.0	2.0	0.0	0.0	30.0	4.0			
31	40.0		0.0		1.0		11.0	15.0		0.0			
													Anual
Total	259.0	234.0	147.0	225.0	265.0	264.0	93.0	210.0	305.0	266.0			
Días Ll.	12	14	10	19	14	16	15	19	19	22			

Estación : COCAL
Año : 1999

Dpto. : SANTANDER
Mpio. : RIONEGRO

Latitud : 7 ° 16 'N
Longitud : 73 ° 9 'W
Altitud : 700 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	12.0	0.0	6.0	0.0	0.0	4.0	0.0				
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0				
3	28.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0				
4	0.0	0.0	11.0	0.0	32.0	0.0	14.0	0.0	0.0				
5	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0				
6	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0				
7	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0				
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0				
9	0.0	0.0	0.0	0.0	42.0	3.0	15.0	2.0	0.0				
10	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
11	3.0	0.0	0.0	0.0	19.0	40.0	16.0	0.0	8.0				
12	0.0	24.0	20.0	0.0	0.0	0.0	0.0	10.0	36.0				
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.0				
14	0.0	0.0	10.0	0.0	0.0	0.0	0.0	3.0	25.0				
15	0.0	3.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0				
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0				
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0				
18	0.0	5.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0				
19	0.0	0.0	0.0	12.0	0.0	0.0	5.0	0.0	0.0				
20	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
21	0.0	10.0	0.0	0.0	0.0	0.0	0.0	11.0	2.0				
22	0.0	52.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
23	0.0	3.0	0.0	3.0	0.0	0.0	15.0	2.0	0.0				
24	0.0	2.0	0.0	5.0	0.0	0.0	0.0	10.0	0.0				
25	0.0	3.0	0.0	0.0	0.0	7.0	2.0	0.0	0.0				
26	10.0	25.0	0.0	0.0	0.0	0.0	0.0	2.0	15.0				
27	0.0	0.0	10.0	0.0	0.0	0.0	0.0	1.0	26.0				
28	0.0	33.0	0.0	2.0	40.0	8.0	0.0	0.0	8.0				
29	0.0		0.0	5.0	0.0	0.0	0.0	10.0	20.0				
30	0.0		5.0	0.0	0.0	0.0	1.0	0.0	0.0				
31	20.0		0.0		0.0		0.0	0.0					
													Anual
Total	97.0	170.0	73.0	58.0	139.0	60.0	68.0	90.0	163.0				
Días Ll.	5	11	7	8	5	5	7	15	10				

Estación : LOS COCOS
Año : 1999

Dpto. : SANTANDER
Mpio. : RIONEGRO

Latitud : 7 ° 14 'N
Longitud : 73 ° 7 'W
Altitud : 1300 m

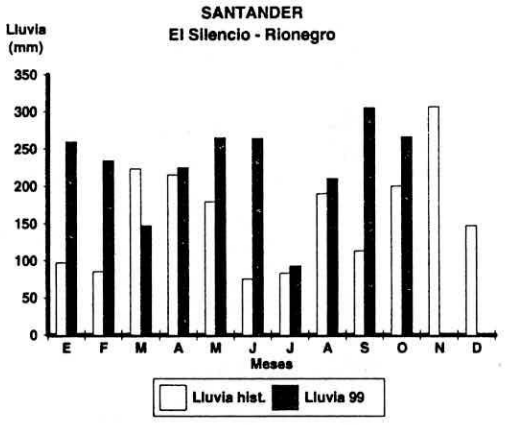
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1		0.0	13.0	5.0	0.0	0.0	0.0	0.0					
2		0.0	4.0	0.0	9.0	0.0	0.0	10.0					
3		0.0	0.0	0.0	0.0	0.0	1.0	14.0					
4		0.0	0.0	7.0	25.0	0.0	0.0	8.0					
5		0.0	0.0	0.0	0.0	0.0	0.0	0.0					
6		2.0	0.0	0.0	0.0	0.0	15.0	0.0					
7		0.0	25.0	48.0	3.0	0.0	5.0	0.0					
8		1.0	16.0	8.0	0.0	15.0	0.0	0.0					
9		2.0	0.0	1.0	51.0	8.0	28.0	0.0					
10		0.0	0.0	7.0	3.0	0.0	0.0	0.0					
11		0.0	0.0	5.0	9.0	48.0	0.0	5.0					
12		24.0	0.0	0.0	0.0	0.0	20.0	2.0					
13		0.0	22.0	0.0	4.0	0.0	0.0	1.0					
14		10.0	2.0	0.0	0.0	3.0	0.0	0.0					
15		5.0	36.0	0.0	0.0	0.0	0.0	0.0					
16		0.0	1.0	0.0	0.0	0.0	3.0	8.0					
17		0.0	0.0	0.0	2.0	6.0	0.0	0.0					
18		22.0	8.0	0.0	1.0	0.0	0.0	2.0					
19		39.0	2.0	2.0	0.0	0.0	0.0	5.0					
20		20.0	0.0	7.0	5.0	0.0	0.0	3.0					
21		10.0	5.0	0.0	0.0	0.0	5.0	11.0					
22		3.0	4.0	18.0	0.0	0.0	0.0	0.0					
23		2.0	0.0	3.0	0.0	0.0	8.0	0.0					
24		8.0	0.0	4.0	0.0	0.0	0.0	1.0					
25		0.0	0.0	1.0	0.0	3.0	0.0	15.0					
26		25.0	0.0	7.0	0.0	8.0	22.0	18.0					
27		0.0	15.0	0.0	0.0	7.0	0.0	0.0					
28		15.0	0.0	7.0	0.0	10.0	0.0	2.0					
29			0.0	6.0	25.0	0.0	0.0	0.0					
30			0.0	19.0	0.0	6.0	0.0	0.0					
31			0.0		0.0		0.0	0.0					Anual
Total		188.0	153.0	155.0	137.0	114.0	107.0	105.0					
Días Ll.		15	13	17	11	10	9	15					

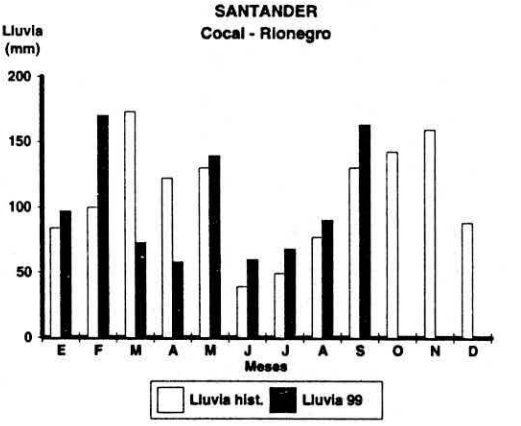
Estación : CEYLAN
Año : 1999

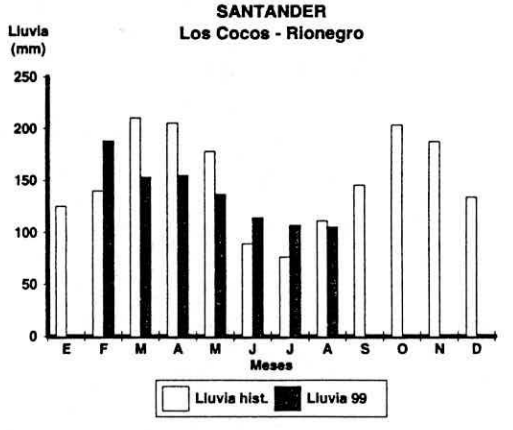
Dpto. : SANTANDER
Mpio. : BUCARAMANGA

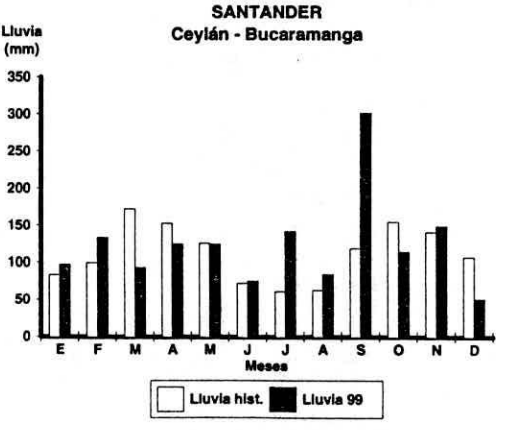
Latitud : 7 ° 11 'N
Longitud : 73 ° 7 'W
Altitud : 1300 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	8.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	
2	0.0	0.0	0.0	0.0	17.0	0.0	0.0	20.0	4.0	22.0	0.0	8.0	
3	40.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	
4	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	
5	0.0	0.0	0.0	3.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	7.0	
6	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	0.0	
7	0.0	0.0	0.0	29.0	11.0	4.0	0.0	0.0	0.0	0.0	11.0	0.0	
8	0.0	0.0	11.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	
9	0.0	0.0	0.0	0.0	45.0	0.0	15.0	0.0	0.0	0.0	5.0	0.0	
10	23.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	
11	4.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	23.0	0.0	29.0	3.0	
12	13.0	4.0	0.0	1.0	5.0	0.0	12.0	6.0	35.0	0.0	0.0	0.0	
13	0.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	88.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	6.0	12.0	0.0	
15	0.0	16.0	6.0	0.0	0.0	8.0	0.0	0.0	0.0	12.0	0.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	
17	0.0	6.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	
18	0.0	3.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	
19	0.0	34.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	
21	0.0	22.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22	0.0	4.0	11.0	0.0	0.0	0.0	0.0	26.0	0.0	0.0	6.0	8.0	
23	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	25.0	0.0	26.0	18.0	
24	3.0	0.0	0.0	13.0	0.0	10.0	0.0	12.0	0.0	0.0	0.0	0.0	
25	6.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	
26	0.0	9.0	0.0	10.0	0.0	7.0	7.0	0.0	5.0	19.0	12.0	0.0	
27	0.0	0.0	0.0	0.0	0.0	6.0	36.0	0.0	60.0	0.0	0.0	0.0	
28	0.0	20.0	0.0	0.0	0.0	25.0	27.0	0.0	0.0	0.0	0.0	0.0	
29	0.0		0.0	47.0	12.0	0.0	0.0	8.0	61.0	13.0	0.0	0.0	
30	0.0		15.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	
31	0.0		0.0		0.0		27.0	0.0		0.0		0.0	Anual
Total	97.0	133.0	93.0	125.0	125.0	75.0	142.0	84.0	301.0	114.0	149.0	51.0	1489.0
Días Ll.	7	11	8	10	8	8	8	6	8	9	12	6	


SANTANDER
El Silencio - Rionegro
Lluvia (mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


SANTANDER
Cocal - Rionegro
Lluvia (mm)
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


SANTANDER
Los Cocos - Rionegro
Lluvia (mm)
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


SANTANDER
Ceylán - Bucaramanga
Lluvia (mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : MIPORAL
Año : 1999

Dpto. : SANTANDER
Mpio. : FLORIDABLANCA

Latitud : 7 ° 5 'N
Longitud : 73 ° 4 'W
Altitud : 1200 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	10.0	0.0	24.0	0.0	0.0	0.0	0.0	68.0	0.0				
2	0.0	0.0	0.0	0.0	0.0	0.0	43.0	0.0	10.0				
3	0.0	0.0	0.0	0.0	0.0	10.0	0.0	12.0	0.0				
4	0.0	0.0	0.0	0.0	57.0	0.0	0.0	0.0	0.0				
5	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0				
6	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	14.0				
7	0.0	0.0	21.0	20.0	0.0	0.0	0.0	0.0	0.0				
8	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0				
9	15.0	0.0	0.0	0.0	0.0	10.0	0.0	12.0	0.0				
10	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
11	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
12	0.0	0.0	0.0	0.0	13.0	5.0	59.0	0.0	60.0				
13	0.0	0.0	9.0	16.0	0.0	0.0	0.0	38.0	0.0				
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.0				
15	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
16	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	35.0				
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
18	0.0	0.0	15.0	0.0	7.0	20.0	0.0	0.0	0.0				
19	0.0	3.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0				
20	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
21	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
23	0.0	0.0	0.0	25.0	0.0	13.0	0.0	0.0	0.0				
24	0.0	0.0	12.0	25.0	6.0	0.0	0.0	38.0	0.0				
25	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0				
26	0.0	30.0	0.0	0.0	0.0	0.0	6.0	0.0	35.0				
27	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0				
28	0.0	0.0	0.0	0.0	77.0	0.0	0.0	0.0	38.0				
29	0.0		0.0	0.0	0.0	40.0	23.0	5.0	25.0				
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0				
31	0.0		0.0		7.0		0.0	0.0					
													Anual
Total	40.0	63.0	81.0	106.0	171.0	118.0	169.0	195.0	262.0				
Días LI.	3	6	5	5	7	7	7	7	8				

Estación : BONANZA
Año : 1999

Dpto. : SANTANDER
Mpio. : GIRON

Latitud : 7 ° 5 'N
Longitud : 73 ° 17 'W
Altitud : 1250 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	0.0	7.0	14.0	0.0	0.0	0.0	0.0	0.0	10.0		
2	9.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	7.0	0.0		
3	0.0	34.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	3.0	0.0		
4	0.0	9.0	15.0	0.0	0.0	5.0	0.0	13.0	0.0	10.0	0.0		
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.0	11.0		
6	15.0	0.0	0.0	18.0	18.0	0.0	0.0	0.0	0.0	0.0	40.0		
7	0.0	135.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	4.0		
8	10.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	70.0	0.0	31.0		
9	16.0	0.0	12.0	17.0	0.0	0.0	0.0	47.0	0.0	0.0	40.0		
10	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	9.0	0.0	0.0		
11	20.0	0.0	0.0	16.0	6.0	0.0	0.0	0.0	3.0	0.0	39.0		
12	30.0	0.0	7.0	0.0	0.0	0.0	0.0	3.0	53.0	1.0	0.0		
13	14.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	4.0	0.0	0.0		
14	0.0	0.0	0.0	0.0	19.0	0.0	10.0	0.0	36.0	24.0	4.0		
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0		
16	0.0	0.0	9.0	26.0	0.0	20.0	0.0	22.0	0.0	0.0	33.0		
17	0.0	0.0	0.0	0.0	10.0	0.0	14.0	0.0	0.0	1.0	0.0		
18	0.0	0.0	0.0	0.0	5.0	17.0	0.0	0.0	0.0	0.0	0.0		
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	59.0	2.0		
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0		
21	5.0	0.0	14.0	10.0	15.0	30.0	0.0	0.0	2.0	0.0	0.0		
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	0.0		
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	60.0	46.0		
24	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	5.0	17.0	30.0		
25	0.0	0.0	0.0	10.0	0.0	0.0	44.0	5.0	90.0	0.0	63.0		
26	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	11.0	17.0	23.0		
27	0.0	0.0	18.0	6.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0		
28	0.0	0.0	0.0	0.0	2.0	44.0	12.0	0.0	0.0	10.0	0.0		
29	0.0		0.0	14.0	1.0	0.0	0.0	0.0	10.0	12.0	8.0		
30	0.0		1.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0		
31	0.0		0.0		0.0		0.0	9.0		6.0			
													Anual
Total	119.0	221.0	76.0	124.0	134.0	119.0	120.0	119.0	336.0	279.0	384.0		
Días LI.	8	4	7	9	12	6	7	8	14	17	15		

Estación : CASA DE TEJA
Año : 1999

Dpto. : SANTANDER
Mpio. : SAN VICENTE DE CHUCU

Latitud : 6 ° 55 'N
Longitud : 73 ° 27 'W
Altitud : 960 m

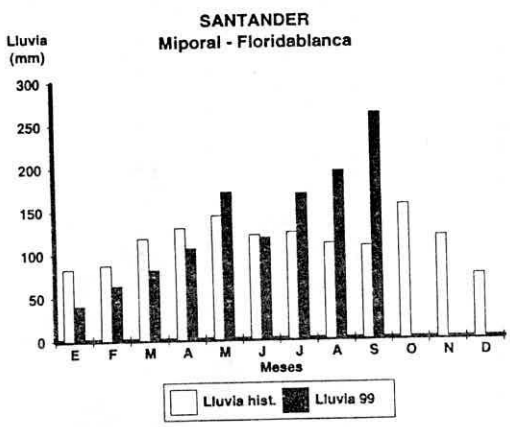
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	32.0	0.0	0.0	2.0	16.0	1.0	53.0	3.0	8.0	7.0	
2	3.0	0.0	38.0	3.0	0.0	0.0	3.0	6.0	2.0	7.0	3.0	0.0	
3	0.0	0.0	5.0	0.0	0.0	31.0	6.0	2.0	0.0	0.0	2.0	2.0	
4	0.0	21.0	1.0	0.0	1.0	0.0	1.0	0.0	32.0	7.0	0.0	5.0	
5	11.0	0.0	0.0	28.0	25.0	0.0	0.0	0.0	0.0	4.0	7.0	13.0	
6	0.0	3.0	0.0	5.0	0.0	5.0	4.0	3.0	2.0	9.0	8.0	2.0	
7	0.0	1.0	0.0	2.0	9.0	7.0	0.0	41.0	2.0	1.0	20.0	5.0	
8	1.0	0.0	0.0	0.0	1.0	0.0	9.0	4.0	7.0	6.0	2.0	0.0	
9	0.0	4.0	0.0	0.0	0.0	1.0	38.0	0.0	98.0	0.0	26.0	1.0	
10	8.0	0.0	2.0	0.0	0.0	9.0	2.0	0.0	22.0	3.0	2.0	0.0	
11	0.0	0.0	0.0	0.0	37.0	2.0	0.0	6.0	8.0	12.0	0.0	14.0	
12	5.0	0.0	0.0	6.0	5.0	20.0	12.0	12.0	11.0	5.0	67.0	17.0	
13	0.0	3.0	39.0	10.0	18.0	0.0	0.0	0.0	91.0	12.0	10.0	2.0	
14	0.0	26.0	26.0	0.0	0.0	1.0	3.0	0.0	4.0	1.0	40.0	1.0	
15	0.0	28.0	15.0	2.0	0.0	11.0	0.0	3.0	19.0	32.0	10.0	31.0	
16	4.0	0.0	8.0	0.0	7.0	0.0	0.0	8.0	0.0	1.0	7.0	3.0	
17	0.0	0.0	35.0	0.0	23.0	0.0	5.0	1.0	0.0	0.0	49.0	28.0	
18	0.0	5.0	0.0	30.0	0.0	0.0	1.0	38.0	39.0	0.0	7.0	0.0	
19	0.0	29.0	14.0	62.0	0.0	10.0	7.0	0.0	4.0	0.0	3.0	0.0	
20	0.0	1.0	0.0	0.0	15.0	2.0	25.0	5.0	33.0	13.0	0.0	0.0	
21	2.0	30.0	12.0	0.0	0.0	3.0	12.0	1.0	7.0	1.0	0.0	0.0	
22	0.0	0.0	0.0	2.0	0.0	0.0	0.0	6.0	26.0	7.0	0.0	0.0	
23	0.0	3.0	44.0	0.0	0.0	12.0	1.0	0.0	0.0	60.0	0.0	6.0	
24	30.0	10.0	0.0	0.0	5.0	0.0	6.0	0.0	20.0	6.0	20.0	4.0	
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	20.0	45.0	10.0	30.0	
26	0.0	0.0	1.0	47.0	12.0	0.0	0.0	1.0	70.0	0.0	30.0	7.0	
27	0.0	4.0	15.0	3.0	6.0	3.0	5.0	0.0	30.0	60.0	9.0	3.0	
28	0.0	63.0	0.0	7.0	3.0	6.0	8.0	0.0	6.0	3.0	6.0	4.0	
29	0.0		0.0	0.0	0.0	2.0	0.0	5.0	3.0	8.0	7.0	2.0	
30	0.0		46.0	46.0	1.0	0.0	12.0	11.0	12.0	13.0	10.0	0.0	
31	0.0		0.0		5.0		17.0	0.0		0.0		0.0	
Total	64.0	231.0	333.0	253.0	173.0	127.0	193.0	162.0	621.0	319.0	363.0	187.0	Anual 3026.0
Dias LI.	8	15	16	14	16	17	21	19	25	24	24	21	

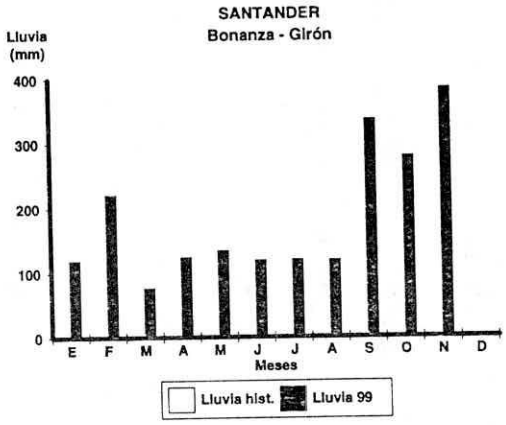
Estación : SANTA RITA
Año : 1999

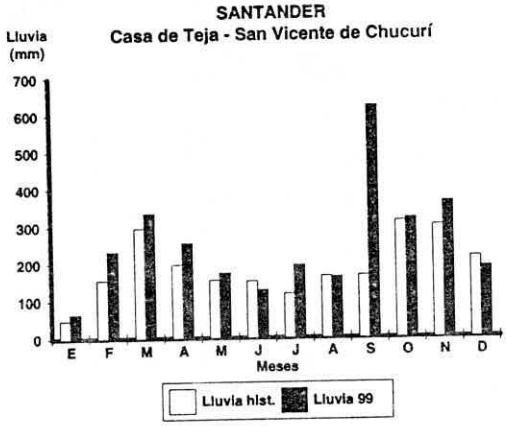
Dpto. : SANTANDER
Mpio. : SAN GIL

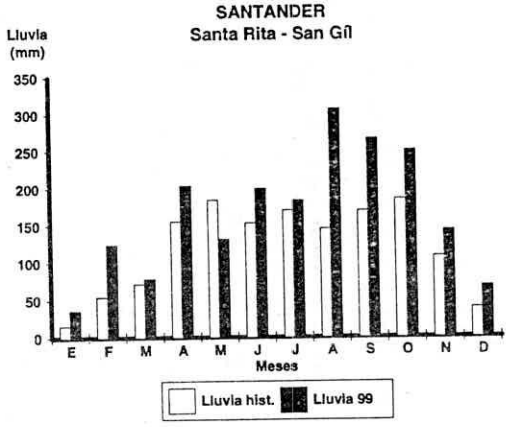
Latitud : 6 ° 35 'N
Longitud : 73 ° 8 'W
Altitud : 1600 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	0.0	0.0	6.0	0.0	5.0	30.0	0.0	2.0	0.0	0.0	
2	2.0	0.0	0.0	0.0	0.0	4.0	9.0	10.0	0.0	4.0	30.0	0.0	
3	0.0	0.0	3.0	10.0	0.0	22.0	0.0	12.0	0.0	9.0	0.0	0.0	
4	0.0	3.0	0.0	0.0	2.0	6.0	22.0	6.0	2.0	11.0	0.0	0.0	
5	0.0	0.0	2.0	0.0	0.0	0.0	7.0	0.0	0.0	14.0	3.0	4.0	
6	0.0	2.0	5.0	0.0	2.0	15.0	8.0	0.0	0.0	8.0	5.0	0.0	
7	0.0	5.0	3.0	24.0	0.0	4.0	32.0	8.0	5.0	0.0	2.0	0.0	
8	0.0	3.0	0.0	3.0	13.0	50.0	19.0	11.0	0.0	52.0	0.0	0.0	
9	0.0	0.0	14.0	2.0	5.0	0.0	5.0	2.0	0.0	0.0	0.0	0.0	
10	15.0	5.0	0.0	12.0	18.0	3.0	9.0	13.0	45.0	0.0	0.0	0.0	
11	0.0	11.0	5.0	2.0	4.0	0.0	17.0	0.0	5.0	5.0	7.0	0.0	
12	0.0	5.0	0.0	4.0	5.0	9.0	9.0	13.0	62.0	3.0	0.0	0.0	
13	0.0	7.0	2.0	11.0	13.0	4.0	0.0	0.0	5.0	3.0	41.0	25.0	
14	0.0	27.0	0.0	0.0	12.0	23.0	0.0	13.0	20.0	0.0	0.0	9.0	
15	0.0	0.0	26.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	
16	0.0	6.0	0.0	0.0	0.0	7.0	6.0	10.0	0.0	23.0	7.0	22.0	
17	0.0	2.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	5.0	12.0	0.0	
18	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	3.0	0.0	5.0	
19	0.0	25.0	3.0	9.0	2.0	7.0	10.0	0.0	5.0	7.0	0.0	0.0	
20	0.0	0.0	0.0	0.0	0.0	8.0	0.0	17.0	10.0	0.0	0.0	0.0	
21	5.0	3.0	0.0	24.0	7.0	2.0	0.0	4.0	5.0	0.0	0.0	0.0	
22	14.0	0.0	0.0	9.0	0.0	5.0	0.0	14.0	0.0	78.0	0.0	0.0	
23	0.0	9.0	0.0	14.0	0.0	3.0	0.0	0.0	20.0	3.0	10.0	0.0	
24	0.0	0.0	0.0	24.0	0.0	10.0	0.0	5.0	0.0	15.0	0.0	0.0	
25	0.0	11.0	2.0	30.0	0.0	15.0	4.0	10.0	19.0	0.0	0.0	3.0	
26	0.0	0.0	6.0	5.0	0.0	0.0	6.0	18.0	25.0	0.0	0.0	0.0	
27	0.0	0.0	7.0	6.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	2.0	20.0	2.0	6.0	0.0	0.0	0.0	0.0	0.0	
29	0.0		0.0	12.0	22.0	0.0	0.0	0.0	2.0	5.0	14.0	0.0	
30	0.0		0.0	0.0	0.0	0.0	7.0	40.0	24.0	0.0	12.0	0.0	
31	0.0		0.0		0.0		0.0	60.0		0.0		0.0	
Total	36.0	124.0	78.0	203.0	131.0	199.0	183.0	306.0	266.0	250.0	143.0	68.0	Anual 1987.0
Dias LI.	4	15	12	18	14	19	18	21	16	18	11	6	


SANTANDER
Miporal - Floridablanca
Lluvia (mm)
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


SANTANDER
Bonanza - Girón
Lluvia (mm)
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


SANTANDER
Casa de Teja - San Vicente de Chucurí
Lluvia (mm)
700
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


SANTANDER
Santa Rita - San Gil
Lluvia (mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : CUCHICUTE
Año : 1999

Dpto. : SANTANDER
Mpio. : CURITI

Latitud : 6 ° 34 'N
Longitud : 73 ° 4 'W
Altitud : 1600 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1		0.0	0.0	0.0	0.0	0.0	0.0	8.0	32.0	16.0			
2		0.0	0.0	0.0	13.0	2.0	5.0	7.0	2.0	0.0			
3		0.0	0.0	2.0	0.0	8.0	8.0	10.0	0.0	29.0			
4		0.0	0.0	0.0	4.0	4.0	4.0	1.0	1.0	8.0			
5		0.0	0.0	0.0	0.0	0.0	9.0	3.0	0.0	22.0			
6		0.0	0.0	0.0	0.0	2.0	0.0	4.0	0.0	4.0			
7		0.0	0.0	42.0	12.0	3.0	0.0	3.0	0.0	3.0			
8		0.0	0.0	0.0	1.0	40.0	3.0	9.0	0.0	15.0			
9		0.0	0.0	1.0	13.0	45.0	40.0	2.0	0.0	0.0			
10		0.0	0.0	32.0	0.0	0.0	10.0	22.0	10.0	0.0			
11		50.0	0.0	0.0	30.0	10.0	40.0	10.0	6.0	9.0			
12		4.0	0.0	0.0	0.0	0.0	0.0	21.0	41.0	0.0			
13		8.0	4.0	0.0	40.0	0.0	4.0	2.0	30.0	0.0			
14		45.0	15.0	7.0	0.0	0.0	2.0	1.0	0.0	3.0			
15		16.0	0.0	0.0	8.0	8.0	1.0	7.0	1.0	0.0			
16		0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	4.0			
17		0.0	0.0	0.0	0.0	60.0	0.0	0.0	0.0	12.0			
18		0.0	0.0	0.0	4.0	0.0	18.0	1.0	0.0	0.0			
19		0.0	0.0	8.0	0.0	0.0	0.0	2.0	0.0	25.0			
20		0.0	0.0	0.0	0.0	0.0	5.0	0.0	7.0	1.0			
21		0.0	0.0	19.0	0.0	12.0	14.0	0.0	10.0	0.0			
22		0.0	0.0	0.0	0.0	4.0	2.0	2.0	0.0	23.0			
23		0.0	0.0	18.0	0.0	3.0	1.0	8.0	0.0	15.0			
24		0.0	0.0	16.0	0.0	0.0	3.0	8.0	40.0	12.0			
25		0.0	3.0	0.0	0.0	0.0	8.0	9.0	0.0	0.0			
26		0.0	0.0	0.0	0.0	0.0	6.0	4.0	17.0	0.0			
27		0.0	0.0	15.0	0.0	14.0	11.0	3.0	3.0	0.0			
28		0.0	0.0	0.0	13.0	0.0	32.0	27.0	0.0	0.0			
29			0.0	0.0	9.0	0.0	25.0	0.0	0.0	0.0			
30			0.0	0.0	0.0	0.0	3.0	0.0	2.0	0.0			
31			0.0		0.0		4.0	0.0		0.0			
Total		123.0	22.0	160.0	147.0	215.0	258.0	196.0	202.0	201.0			Anual
Días LI.		5	3	10	11	14	24	25	14	16			

Estación : CHOCHOS
Año : 1999

Dpto. : SANTANDER
Mpio. : HATO

Latitud : 6 ° 33 'N
Longitud : 73 ° 19 'W
Altitud : 1400 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	2.0	17.0	0.0	0.0	0.0	1.0	38.0	23.0	0.0	16.0	
2	1.0	6.0	1.0	0.0	2.0	0.0	0.0	6.0	8.0	2.0	17.0	0.0	
3	0.0	0.0	0.0	0.0	10.0	1.0	5.0	1.0	1.0	0.0	2.0	0.0	
4	0.0	8.0	0.0	20.0	16.0	3.0	0.0	3.0	0.0	12.0	1.0	4.0	
5	2.0	0.0	0.0	0.0	1.0	1.0	10.0	0.0	0.0	37.0	0.0	0.0	
6	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	29.0	0.0	
7	0.0	4.0	0.0	0.0	0.0	6.0	8.0	0.0	5.0	12.0	18.0	0.0	
8	0.0	9.0	0.0	24.0	3.0	8.0	24.0	0.0	8.0	0.0	0.0	0.0	
9	10.0	12.0	0.0	0.0	61.0	5.0	9.0	5.0	0.0	44.0	0.0	0.0	
10	31.0	6.0	2.0	2.0	76.0	0.0	7.0	12.0	7.0	0.0	1.0	0.0	
11	0.0	1.0	2.0	0.0	2.0	12.0	3.0	19.0	38.0	0.0	9.0	0.0	
12	2.0	10.0	1.0	0.0	48.0	0.0	9.0	0.0	29.0	8.0	52.0	0.0	
13	0.0	6.0	0.0	0.0	11.0	0.0	1.0	12.0	0.0	0.0	0.0	19.0	
14	0.0	13.0	1.0	4.0	0.0	0.0	0.0	1.0	22.0	0.0	29.0	10.0	
15	0.0	8.0	0.0	0.0	0.0	5.0	0.0	2.0	16.0	2.0	1.0	0.0	
16	0.0	12.0	0.0	0.0	0.0	6.0	22.0	0.0	4.0	3.0	0.0	0.0	
17	0.0	6.0	0.0	0.0	0.0	1.0	0.0	30.0	0.0	10.0	8.0	1.0	
18	4.0	1.0	0.0	0.0	0.0	2.0	0.0	8.0	0.0	17.0	6.0	0.0	
19	11.0	0.0	0.0	0.0	0.0	6.0	0.0	1.0	0.0	14.0	1.0	3.0	
20	36.0	8.0	0.0	11.0	0.0	16.0	5.0	0.0	1.0	14.0	0.0	3.0	
21	2.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	7.0	16.0	0.0	0.0	
22	2.0	27.0	0.0	10.0	2.0	0.0	0.0	18.0	3.0	2.0	0.0	0.0	
23	0.0	0.0	0.0	69.0	0.0	0.0	0.0	2.0	0.0	7.0	2.0	0.0	
24	0.0	52.0	0.0	45.0	0.0	2.0	0.0	0.0	0.0	9.0	20.0	0.0	
25	1.0	8.0	0.0	48.0	0.0	0.0	6.0	4.0	25.0	6.0	4.0	0.0	
26	0.0	0.0	7.0	29.0	0.0	54.0	1.0	3.0	2.0	4.0	0.0	0.0	
27	0.0	2.0	2.0	0.0	0.0	23.0	0.0	20.0	12.0	54.0	4.0	14.0	
28	0.0	0.0	2.0	18.0	0.0	0.0	0.0	1.0	32.0	0.0	0.0	0.0	
29	0.0		17.0	8.0	12.0	2.0	4.0	0.0	11.0	1.0	0.0	0.0	
30	5.0		0.0	13.0	1.0	0.0	1.0	0.0	2.0	0.0	18.0	0.0	
31	0.0		51.0		5.0		4.0	0.0		11.0		0.0	
Total	107.0	204.0	88.0	318.0	250.0	154.0	119.0	149.0	271.0	326.0	222.0	70.0	Anual 2278.0
Días LI.	12	20	11	14	14	18	16	19	20	23	18	8	

Estación : LA LAGUNA
Año : 1999

Dpto. : SANTANDER
Mpio. : PARAMO

Latitud : 6 ° 30 'N
Longitud : 73 ° 9 'W
Altitud : 1550 m

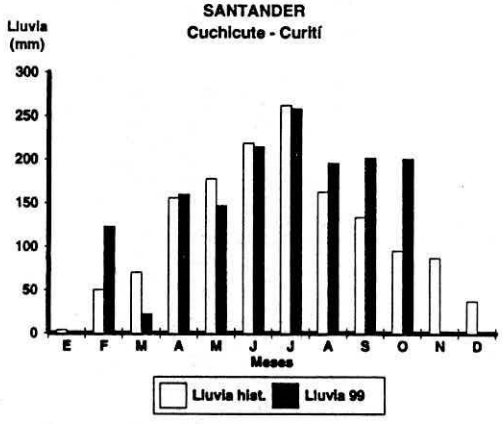
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	0.0	0.0	2.0	0.0	3.0	3.0	53.0	5.0	3.0	0.0	
2	0.0	0.0	0.0	1.0	0.0	8.0	0.0	10.0	2.0	6.0	0.0	5.0	
3	0.0	0.0	5.0	10.0	13.0	15.0	5.0	12.0	0.0	10.0	0.0	0.0	
4	0.0	0.0	0.0	0.0	5.0	8.0	0.0	5.0	0.0	5.0	0.0	0.0	
5	0.0	0.0	0.0	20.0	0.0	0.0	10.0	0.0	5.0	12.0	0.0	0.0	
6	0.0	4.0	0.0	0.0	3.0	27.0	20.0	0.0	0.0	5.0	10.0	0.0	
7	0.0	6.0	0.0	0.0	0.0	18.0	28.0	8.0	0.0	3.0	5.0	0.0	
8	0.0	5.0	5.0	5.0	15.0	5.0	28.0	0.0	3.0	85.0	0.0	0.0	
9	0.0	0.0	3.0	0.0	10.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	
10	28.0	8.0	0.0	0.0	20.0	5.0	10.0	3.0	18.0	3.0	15.0	0.0	
11	0.0	0.0	0.0	3.0	18.0	0.0	6.0	5.0	13.0	0.0	10.0	0.0	
12	0.0	0.0	13.0	0.0	10.0	48.0	25.0	2.0	50.0	0.0	3.0	10.0	
13	0.0	5.0	10.0	0.0	0.0	5.0	8.0	10.0	2.0	5.0	0.0	12.0	
14	0.0	8.0	5.0	0.0	5.0	20.0	5.0	8.0	8.0	10.0	0.0	6.0	
15	0.0	28.0	0.0	0.0	6.0	3.0	3.0	6.0	0.0	5.0	5.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	5.0	8.0	32.0	0.0	15.0	6.0	0.0	
17	0.0	0.0	0.0	0.0	0.0	6.0	9.0	12.0	3.0	12.0	8.0	0.0	
18	0.0	0.0	0.0	0.0	0.0	3.0	10.0	5.0	0.0	8.0	10.0	0.0	
19	0.0	20.0	0.0	12.0	0.0	5.0	5.0	3.0	5.0	5.0	5.0	5.0	
20	0.0	0.0	0.0	10.0	0.0	12.0	3.0	0.0	10.0	10.0	0.0	3.0	
21	10.0	0.0	0.0	37.0	22.0	5.0	0.0	15.0	5.0	15.0	0.0	0.0	
22	22.0	0.0	0.0	12.0	3.0	3.0	0.0	5.0	3.0	35.0	0.0	0.0	
23	0.0	15.0	0.0	22.0	0.0	0.0	0.0	3.0	12.0	10.0	15.0	0.0	
24	0.0	0.0	0.0	12.0	0.0	0.0	6.0	12.0	15.0	6.0	0.0	0.0	
25	0.0	12.0	0.0	30.0	0.0	10.0	3.0	13.0	10.0	5.0	0.0	5.0	
26	0.0	0.0	8.0	10.0	5.0	15.0	0.0	3.0	18.0	12.0	0.0	0.0	
27	0.0	0.0	6.0	8.0	0.0	3.0	25.0	5.0	20.0	15.0	0.0	10.0	
28	0.0	0.0	0.0	10.0	0.0	0.0	8.0	10.0	8.0	18.0	0.0	0.0	
29	0.0		0.0	8.0	0.0	5.0	0.0	5.0	5.0	0.0	20.0	0.0	
30	0.0		0.0	15.0	0.0	5.0	0.0	8.0	10.0	0.0	15.0	0.0	
31	0.0		0.0		0.0		6.0	10.0		15.0		0.0	
Total	60.0	111.0	55.0	225.0	137.0	239.0	259.0	213.0	278.0	335.0	130.0	56.0	Anual 2098.0
Días Ll.	3	10	8	17	14	23	23	26	22	26	14	8	

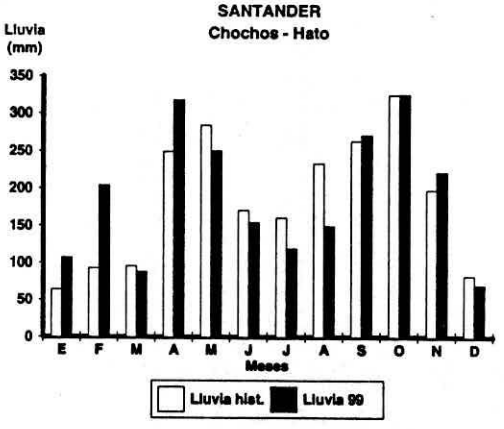
Estación : LAS FLORES
Año : 1999

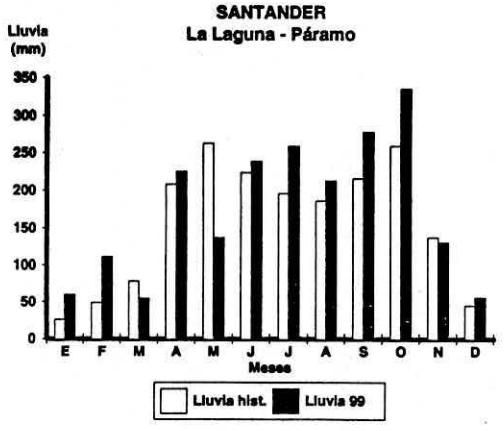
Dpto. : SANTANDER
Mpio. : PINCHOTE

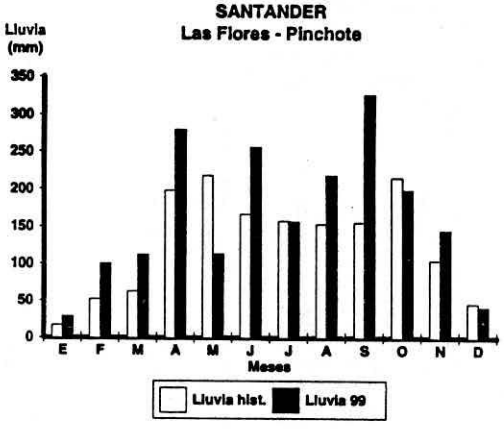
Latitud : 6 ° 29 'N
Longitud : 73 ° 11 'W
Altitud : 1700 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	3.0	14.0	0.0	0.0	0.0	7.0	31.0	30.0	0.0	13.0	
2	0.0	0.0	0.0	0.0	6.0	0.0	11.0	21.0	6.0	2.0	20.0	2.0	
3	0.0	0.0	0.0	0.0	0.0	5.0	2.0	3.0	3.0	0.0	0.0	0.0	
4	0.0	5.0	0.0	12.0	18.0	12.0	0.0	6.0	0.0	5.0	0.0	0.0	
5	0.0	0.0	0.0	0.0	0.0	19.0	6.0	2.0	0.0	5.0	0.0	0.0	
6	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	17.0	6.0	0.0	
7	0.0	4.0	0.0	12.0	4.0	21.0	2.0	0.0	0.0	6.0	12.0	0.0	
8	0.0	1.0	0.0	28.0	0.0	8.0	23.0	0.0	11.0	0.0	0.0	0.0	
9	1.0	7.0	0.0	3.0	0.0	24.0	26.0	10.0	0.0	25.0	0.0	0.0	
10	11.0	0.0	12.0	3.0	6.0	0.0	6.0	6.0	0.0	0.0	0.0	0.0	
11	0.0	6.0	2.0	12.0	20.0	5.0	8.0	7.0	35.0	0.0	0.0	0.0	
12	4.0	20.0	0.0	0.0	6.0	0.0	11.0	0.0	15.0	2.0	12.0	0.0	
13	0.0	3.0	35.0	14.0	8.0	30.0	9.0	8.0	80.0	3.0	0.0	2.0	
14	0.0	12.0	3.0	8.0	10.0	2.0	2.0	0.0	2.0	2.0	36.0	7.0	
15	0.0	11.0	7.0	2.0	5.0	26.0	0.0	11.0	21.0	0.0	0.0	0.0	
16	0.0	10.0	0.0	2.0	0.0	21.0	0.0	0.0	0.0	4.0	0.0	0.0	
17	0.0	0.0	0.0	0.0	0.0	11.0	0.0	20.0	0.0	25.0	20.0	11.0	
18	0.0	0.0	0.0	0.0	0.0	6.0	0.0	5.0	0.0	0.0	7.0	0.0	
19	6.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	2.0	0.0	2.0	
20	0.0	3.0	0.0	10.0	3.0	3.0	11.0	0.0	6.0	3.0	0.0	0.0	
21	0.0	0.0	0.0	0.0	0.0	5.0	0.0	11.0	11.0	14.0	0.0	0.0	
22	0.0	0.0	0.0	25.0	0.0	2.0	0.0	0.0	7.0	5.0	0.0	0.0	
23	7.0	0.0	0.0	7.0	3.0	4.0	0.0	21.0	0.0	30.0	0.0	0.0	
24	0.0	8.0	3.0	12.0	0.0	2.0	0.0	0.0	40.0	3.0	20.0	0.0	
25	0.0	0.0	0.0	13.0	0.0	0.0	12.0	16.0	0.0	10.0	5.0	2.0	
26	0.0	10.0	2.0	65.0	0.0	21.0	2.0	10.0	19.0	0.0	0.0	2.0	
27	0.0	0.0	4.0	0.0	0.0	20.0	6.0	45.0	18.0	0.0	0.0	0.0	
28	0.0	0.0	8.0	22.0	0.0	0.0	0.0	2.0	19.0	0.0	0.0	0.0	
29	0.0		0.0	3.0	14.0	0.0	11.0	2.0	2.0	0.0	0.0	0.0	
30	0.0		0.0	12.0	0.0	0.0	0.0	0.0	0.0	5.0	6.0	0.0	
31	0.0		33.0		10.0		6.0	5.0		0.0		0.0	
Total	29.0	100.0	112.0	279.0	113.0	255.0	156.0	218.0	326.0	198.0	144.0	41.0	Anual 1971.0
Días Ll.	5	13	11	20	13	21	18	20	17	20	10	8	


SANTANDER
Cuchicute - Curití
Lluvia (mm)
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


SANTANDER
Chochos - Hato
Lluvia (mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


SANTANDER
La Laguna - Páramo
Lluvia (mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


SANTANDER
Las Flores - Pinchote
Lluvia (mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : LA CHAPOLA
Año : 1999

Dpto. : SANTANDER
Mpio. : SOCORRO

Latitud : 6 ° 28 'N
Longitud : 73 ° 12 'W
Altitud : 1700 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	12.0	0.0	0.0	0.0	0.0	1.0	6.0	1.0	40.0	17.0	0.0	8.0	
2	0.0	0.0	0.0	6.0	7.0	0.0	5.0	5.0	34.0	2.0	21.0	7.0	
3	0.0	0.0	1.0	0.0	0.0	2.0	1.0	1.0	0.0	1.0	0.0	0.0	
4	0.0	0.0	1.0	9.0	19.0	15.0	0.0	0.0	0.0	6.0	0.0	0.0	
5	0.0	0.0	0.0	0.0	6.0	10.0	3.0	1.0	0.0	0.0	0.0	0.0	
6	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	2.0	23.0	6.0	0.0	
7	0.0	0.0	0.0	26.0	3.0	13.0	13.0	0.0	0.0	13.0	15.0	0.0	
8	0.0	34.0	0.0	14.0	0.0	14.0	45.0	3.0	6.0	0.0	0.0	0.0	
9	1.0	0.0	0.0	0.0	31.0	21.0	35.0	27.0	0.0	29.0	0.0	0.0	
10	20.0	0.0	5.0	0.0	10.0	0.0	15.0	8.0	3.0	0.0	0.0	0.0	
11	0.0	6.0	3.0	13.0	14.0	7.0	3.0	8.0	25.0	0.0	0.0	0.0	
12	0.0	11.0	4.0	3.0	3.0	0.0	10.0	0.0	25.0	28.0	18.0	0.0	
13	0.0	4.0	64.0	0.0	0.0	7.0	6.0	3.0	62.0	8.0	0.0	5.0	
14	0.0	5.0	0.0	6.0	6.0	0.0	8.0	1.0	4.0	0.0	18.0	11.0	
15	0.0	8.0	3.0	1.0	5.0	10.0	6.0	3.0	9.0	0.0	0.0	15.0	
16	0.0	0.0	0.0	0.0	0.0	5.0	0.0	6.0	0.0	0.0	1.0	0.0	
17	0.0	9.0	1.0	0.0	0.0	26.0	0.0	0.0	0.0	25.0	20.0	4.0	
18	0.0	4.0	0.0	0.0	0.0	5.0	0.0	6.0	0.0	0.0	5.0	0.0	
19	12.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	13.0	2.0	0.0	0.0	
20	1.0	2.0	0.0	5.0	0.0	2.0	8.0	1.0	6.0	4.0	0.0	0.0	
21	0.0	5.0	0.0	0.0	0.0	7.0	0.0	3.0	9.0	13.0	0.0	0.0	
22	2.0	3.0	0.0	30.0	0.0	0.0	0.0	8.0	4.0	20.0	0.0	0.0	
23	0.0	0.0	0.0	7.0	0.0	0.0	0.0	4.0	0.0	15.0	0.0	0.0	
24	1.0	3.0	2.0	11.0	0.0	1.0	0.0	0.0	23.0	4.0	10.0	0.0	
25	0.0	0.0	0.0	10.0	0.0	0.0	8.0	12.0	0.0	21.0	8.0	1.0	
26	0.0	6.0	0.0	32.0	0.0	25.0	0.0	4.0	4.0	0.0	0.0	2.0	
27	0.0	0.0	0.0	0.0	0.0	33.0	0.0	13.0	13.0	1.0	4.0	0.0	
28	0.0	0.0	27.0	10.0	0.0	0.0	0.0	0.0	19.0	0.0	0.0	0.0	
29	0.0		0.0	1.0	0.0	0.0	7.0	0.0	5.0	0.0	0.0	0.0	
30	0.0		0.0	10.0	0.0	0.0	0.0	1.0	0.0	4.0	7.0	0.0	
31	0.0		0.0		6.0		7.0	3.0		0.0		0.0	
Total	49.0	100.0	111.0	194.0	110.0	211.0	189.0	122.0	306.0	236.0	133.0	53.0	Anual 1814.0
Días LI.	7	13	10	17	11	19	18	22	19	19	12	8	

Estación : EL MESON
Año : 1999

Dpto. : SANTANDER
Mpio. : VALLE SAN JOSE

Latitud : 6 ° 25 'N
Longitud : 73 ° 9 'W
Altitud : 1330 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	0.0	0.0	0.0	5.0	2.0	5.0	47.0	33.0	1.0	10.0	
2	1.0	0.0	0.0	0.0	20.0	0.0	0.0	2.0	4.0	7.0	10.0	2.0	
3	0.0	1.0	1.0	0.0	0.0	10.0	0.0	4.0	3.0	7.0	2.0	0.0	
4	0.0	0.0	0.0	8.0	31.0	35.0	0.0	2.0	2.0	2.0	0.0	0.0	
5	0.0	0.0	0.0	0.0	0.0	5.0	0.0	2.0	0.0	1.0	0.0	5.0	
6	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	17.0	0.0	0.0	
7	0.0	10.0	0.0	8.0	10.0	18.0	15.0	0.0	0.0	4.0	9.0	0.0	
8	0.0	3.0	0.0	39.0	6.0	15.0	30.0	5.0	12.0	0.0	2.0	0.0	
9	0.0	4.0	1.0	2.0	14.0	5.0	18.0	35.0	0.0	20.0	1.0	0.0	
10	39.0	5.0	3.0	10.0	6.0	0.0	10.0	8.0	3.0	0.0	6.0	0.0	
11	2.0	15.0	2.0	8.0	21.0	5.0	6.0	1.0	10.0	0.0	0.0	0.0	
12	1.0	4.0	5.0	10.0	3.0	2.0	27.0	2.0	7.0	4.0	39.0	1.0	
13	0.0	10.0	0.0	0.0	5.0	2.0	13.0	4.0	60.0	3.0	1.0	2.0	
14	0.0	20.0	5.0	4.0	10.0	1.0	5.0	2.0	2.0	1.0	10.0	32.0	
15	0.0	30.0	4.0	0.0	1.0	1.0	8.0	3.0	9.0	1.0	2.0	2.0	
16	0.0	1.0	6.0	0.0	0.0	10.0	1.0	4.0	1.0	1.0	1.0	0.0	
17	0.0	0.0	0.0	0.0	0.0	49.0	2.0	2.0	0.0	20.0	25.0	25.0	
18	6.0	0.0	0.0	0.0	0.0	20.0	0.0	4.0	0.0	1.0	7.0	0.0	
19	4.0	0.0	0.0	15.0	2.0	3.0	1.0	0.0	0.0	21.0	2.0	0.0	
20	14.0	17.0	0.0	13.0	1.0	2.0	7.0	0.0	4.0	3.0	0.0	0.0	
21	8.0	2.0	0.0	0.0	0.0	10.0	0.0	15.0	7.0	2.0	0.0	0.0	
22	5.0	2.0	0.0	8.0	2.0	2.0	0.0	2.0	4.0	45.0	0.0	0.0	
23	0.0	1.0	0.0	4.0	0.0	4.0	2.0	10.0	1.0	40.0	5.0	0.0	
24	0.0	7.0	0.0	8.0	0.0	3.0	6.0	0.0	28.0	30.0	5.0	0.0	
25	0.0	3.0	1.0	12.0	0.0	1.0	0.0	10.0	15.0	1.0	2.0	1.0	
26	0.0	2.0	9.0	56.0	0.0	40.0	0.0	10.0	23.0	0.0	3.0	10.0	
27	0.0	0.0	7.0	0.0	2.0	20.0	1.0	13.0	15.0	0.0	2.0	0.0	
28	1.0	0.0	5.0	11.0	0.0	0.0	1.0	0.0	15.0	0.0	3.0	0.0	
29	0.0		16.0	4.0	31.0	2.0	10.0	2.0	25.0	0.0	0.0	0.0	
30	0.0		7.0	40.0	0.0	0.0	0.0	3.0	1.0	4.0	30.0	0.0	
31	0.0		12.0		4.0		18.0	10.0		0.0		0.0	
Total	81.0	137.0	84.0	260.0	169.0	270.0	213.0	160.0	298.0	268.0	168.0	90.0	Anual 2198.0
Días LI.	10	18	15	18	17	25	21	25	23	23	22	10	

Estación : VILLANUEVA
Año : 1999

Dpto. : SANTANDER
Mpio. : CHARALA

Latitud : 6 ° 14 'N
Longitud : 73 ° 10 'W
Altitud : 1350 m

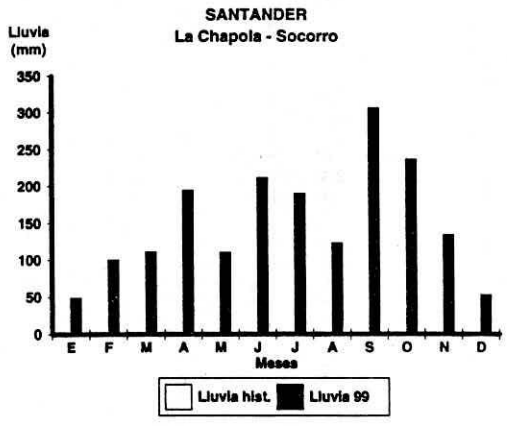
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	8.0	2.0	6.0	0.0	2.0	0.0	4.0	2.0	0.0	0.0	0.0	18.0	
2	2.0	6.0	2.0	12.0	0.0	0.0	0.0	10.0	0.0	64.0	2.0	8.0	
3	0.0	2.0	12.0	4.0	18.0	4.0	0.0	4.0	0.0	8.0	0.0	0.0	
4	0.0	12.0	8.0	18.0	0.0	44.0	12.0	1.0	8.0	12.0	0.0	10.0	
5	12.0	4.0	2.0	0.0	0.0	0.0	4.0	0.0	2.0	4.0	42.0	4.0	
6	4.0	2.0	0.0	2.0	4.0	0.0	0.0	12.0	0.0	88.0	6.0	0.0	
7	0.0	0.0	2.0	0.0	12.0	0.0	0.0	0.0	42.0	0.0	2.0	0.0	
8	10.0	6.0	0.0	0.0	0.0	4.0	2.0	0.0	62.0	12.0	0.0	8.0	
9	14.0	4.0	0.0	22.0	0.0	12.0	8.0	4.0	0.0	4.0	12.0	14.0	
10	0.0	0.0	12.0	0.0	18.0	8.0	2.0	0.0	82.0	60.0	4.0	2.0	
11	0.0	2.0	18.0	0.0	4.0	0.0	10.0	0.0	4.0	0.0	0.0	0.0	
12	0.0	6.0	0.0	2.0	22.0	2.0	4.0	0.0	0.0	0.0	0.0	0.0	
13	0.0	82.0	16.0	0.0	0.0	0.0	62.0	18.0	0.0	10.0	8.0	8.0	
14	0.0	4.0	22.0	4.0	48.0	0.0	0.0	2.0	8.0	0.0	2.0	2.0	
15	22.0	6.0	0.0	0.0	4.0	8.0	0.0	10.0	12.0	0.0	12.0	6.0	
16	0.0	0.0	0.0	0.0	10.0	0.0	2.0	0.0	0.0	0.0	6.0	0.0	
17	12.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	58.0	22.0	0.0	
18	8.0	6.0	6.0	2.0	0.0	0.0	0.0	22.0	0.0	0.0	82.0	18.0	
19	10.0	10.0	12.0	0.0	0.0	4.0	0.0	2.0	68.0	0.0	12.0	0.0	
20	1.0	0.0	0.0	18.0	0.0	72.0	8.0	6.0	42.0	4.0	4.0	0.0	
21	0.0	10.0	8.0	0.0	0.0	0.0	0.0	0.0	18.0	12.0	0.0	0.0	
22	12.0	4.0	22.0	0.0	0.0	0.0	0.0	0.0	4.0	42.0	0.0	4.0	
23	4.0	2.0	14.0	12.0	0.0	46.0	2.0	4.0	0.0	38.0	18.0	0.0	
24	0.0	18.0	18.0	0.0	0.0	8.0	6.0	0.0	8.0	4.0	0.0	0.0	
25	0.0	2.0	0.0	0.0	6.0	2.0	0.0	0.0	0.0	0.0	82.0	0.0	
26	2.0	12.0	2.0	2.0	0.0	12.0	0.0	18.0	68.0	12.0	12.0	0.0	
27	6.0	22.0	8.0	8.0	12.0	78.0	4.0	6.0	42.0	4.0	4.0	6.0	
28	0.0	2.0	12.0	0.0	0.0	2.0	8.0	0.0	18.0	8.0	0.0	0.0	
29	0.0		0.0	58.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	
30	8.0		4.0	38.0	0.0	0.0	2.0	0.0	12.0	4.0	4.0	0.0	
31	4.0		0.0		4.0		0.0	2.0		4.0		0.0	
Total	139.0	228.0	208.0	202.0	164.0	306.0	140.0	123.0	500.0	454.0	336.0	108.0	Anual 2908.0
Días Ll.	17	24	21	14	13	15	16	16	17	21	19	13	

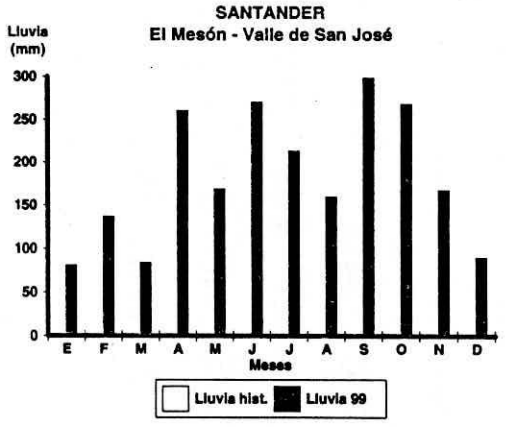
Estación : CIELO ROTO
Año : 1999

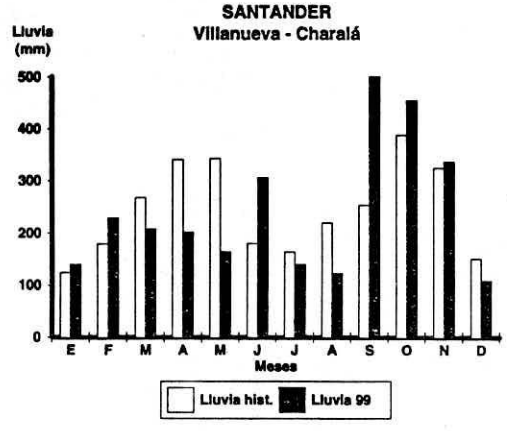
Dpto. : SANTANDER
Mpio. : SUAITA

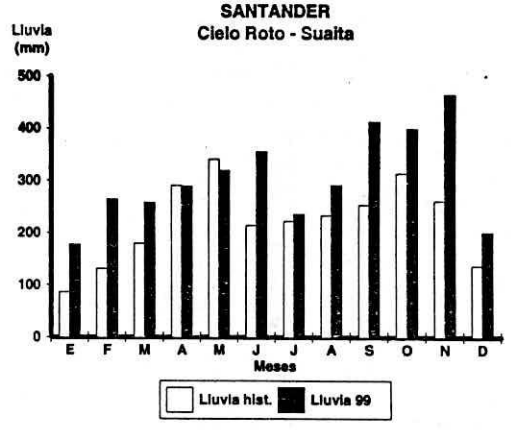
Latitud : 6 ° 7 'N
Longitud : 73 ° 23 'W
Altitud : 1540 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	5.0	6.0	0.0	0.0	5.0	0.0	12.0	17.0	0.0	20.0	0.0	5.0	
2	6.0	7.0	0.0	0.0	3.0	10.0	6.0	20.0	0.0	12.0	8.0	5.0	
3	20.0	8.0	0.0	4.0	5.0	5.0	20.0	15.0	50.0	10.0	10.0	0.0	
4	0.0	0.0	0.0	0.0	5.0	15.0	6.0	6.0	15.0	5.0	39.0	40.0	
5	0.0	0.0	24.0	24.0	4.0	7.0	0.0	3.0	0.0	5.0	25.0	0.0	
6	3.0	0.0	0.0	0.0	6.0	3.0	32.0	6.0	0.0	4.0	25.0	5.0	
7	0.0	0.0	0.0	7.0	6.0	11.0	10.0	5.0	5.0	1.0	30.0	5.0	
8	6.0	9.0	36.0	10.0	50.0	10.0	0.0	40.0	30.0	0.0	9.0	0.0	
9	0.0	0.0	0.0	7.0	1.0	5.0	10.0	9.0	12.0	2.0	9.0	0.0	
10	10.0	7.0	23.0	50.0	20.0	5.0	30.0	5.0	12.0	5.0	20.0	10.0	
11	0.0	10.0	0.0	55.0	4.0	10.0	6.0	0.0	8.0	4.0	25.0	0.0	
12	0.0	20.0	8.0	4.0	10.0	10.0	22.0	5.0	10.0	4.0	26.0	25.0	
13	0.0	6.0	25.0	7.0	30.0	10.0	0.0	10.0	20.0	0.0	25.0	0.0	
14	0.0	0.0	7.0	5.0	10.0	15.0	0.0	0.0	25.0	0.0	16.0	0.0	
15	0.0	2.0	3.0	0.0	0.0	25.0	0.0	15.0	0.0	10.0	17.0	10.0	
16	0.0	10.0	36.0	0.0	0.0	10.0	0.0	10.0	7.0	16.0	0.0	0.0	
17	40.0	0.0	1.0	0.0	0.0	10.0	0.0	5.0	8.0	15.0	40.0	15.0	
18	12.0	40.0	43.0	0.0	11.0	13.0	0.0	15.0	5.0	5.0	20.0	50.0	
19	6.0	5.0	0.0	0.0	7.0	0.0	21.0	5.0	10.0	10.0	35.0	5.0	
20	5.0	30.0	0.0	25.0	5.0	30.0	0.0	30.0	20.0	20.0	0.0	5.0	
21	5.0	10.0	20.0	5.0	10.0	30.0	10.0	10.0	30.0	25.0	0.0	5.0	
22	25.0	12.0	5.0	6.0	5.0	3.0	2.0	5.0	0.0	35.0	0.0	0.0	
23	16.0	10.0	4.0	6.0	0.0	6.0	10.0	0.0	0.0	30.0	40.0	0.0	
24	0.0	10.0	0.0	20.0	0.0	10.0	15.0	5.0	0.0	36.0	10.0	0.0	
25	3.0	16.0	0.0	23.0	0.0	20.0	5.0	18.0	10.0	30.0	12.0	0.0	
26	5.0	22.0	15.0	0.0	10.0	20.0	0.0	2.0	7.0	35.0	0.0	0.0	
27	0.0	22.0	7.0	7.0	20.0	10.0	0.0	10.0	53.0	30.0	0.0	0.0	
28	4.0	2.0	1.0	10.0	27.0	20.0	0.0	0.0	10.0	30.0	13.0	5.0	
29	3.0		0.0	11.0	20.0	20.0	0.0	15.0	40.0	0.0	0.0	5.0	
30	0.0		0.0	3.0	35.0	12.0	0.0	0.0	25.0	0.0	10.0	5.0	
31	3.0		0.0		10.0		18.0	5.0		0.0		0.0	
Total	177.0	264.0	258.0	289.0	319.0	355.0	235.0	291.0	412.0	399.0	464.0	200.0	Anual 3663.0
Días Ll.	18	21	16	20	25	28	17	26	22	25	22	16	


SANTANDER
La Chapola - Socorro
Lluvia (mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


SANTANDER
El Mesón - Valle de San José
Lluvia (mm)
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


SANTANDER
Villanueva - Charalá
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


SANTANDER
Cielo Roto - Suaita
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : LA CUMBRE
Año : 1999

Dpto. : SANTANDER
Mpio. : PUENTE NACIONAL

Latitud : 5 ° 52 'N
Longitud : 73 ° 42 'W
Altitud : 1850 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	6.0	1.0	8.0	15.0	2.0	4.0	0.0	0.0	75.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	10.0	0.0	6.0	2.0	0.0	40.0	0.0	0.0	
3	0.0	21.0	0.0	22.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	20.0	
4	0.0	23.0	0.0	0.0	15.0	39.0	0.0	0.0	10.0	0.0	0.0	0.0	
5	0.0	17.0	0.0	0.0	42.0	0.0	6.0	10.0	0.0	0.0	10.0	0.0	
6	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	20.0	6.0	0.0	0.0	
7	0.0	7.0	23.0	53.0	18.0	29.0	24.0	0.0	0.0	5.0	29.0	0.0	
8	5.0	0.0	10.0	14.0	4.0	10.0	0.0	3.0	0.0	0.0	6.0	0.0	
9	4.0	0.0	0.0	6.0	4.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0	
10	9.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	25.0	0.0	6.0	0.0	
11	17.0	35.0	0.0	15.0	34.0	11.0	10.0	0.0	0.0	0.0	0.0	0.0	
12	0.0	25.0	0.0	27.0	14.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	
13	0.0	9.0	3.0	0.0	41.0	6.0	0.0	7.0	0.0	0.0	10.0	0.0	
14	0.0	12.0	7.0	2.0	2.0	16.0	0.0	0.0	0.0	0.0	0.0	9.0	
15	0.0	6.0	16.0	0.0	18.0	0.0	17.0	9.0	0.0	15.0	0.0	0.0	
16	0.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	
17	0.0	5.0	10.0	0.0	2.0	10.0	0.0	0.0	0.0	0.0	7.0	0.0	
18	16.0	20.0	13.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	10.0	0.0	
19	6.0	3.0	2.0	2.0	0.0	29.0	0.0	0.0	0.0	0.0	21.0	10.0	
20	0.0	3.0	0.0	1.0	0.0	0.0	4.0	16.0	44.0	38.0	10.0	0.0	
21	0.0	14.0	0.0	5.0	0.0	7.0	0.0	23.0	0.0	5.0	0.0	0.0	
22	50.0	10.0	8.0	0.0	12.0	2.0	10.0	0.0	70.0	9.0	0.0	0.0	
23	0.0	3.0	2.0	3.0	0.0	0.0	0.0	40.0	0.0	20.0	0.0	0.0	
24	0.0	6.0	40.0	24.0	0.0	55.0	0.0	9.0	48.0	5.0	0.0	0.0	
25	0.0	0.0	0.0	41.0	0.0	0.0	0.0	14.0	0.0	6.0	0.0	0.0	
26	0.0	0.0	0.0	36.0	0.0	9.0	12.0	0.0	0.0	6.0	0.0	0.0	
27	10.0	6.0	0.0	34.0	0.0	25.0	0.0	0.0	0.0	9.0	15.0	0.0	
28	0.0	0.0	10.0	1.0	27.0	9.0	0.0	14.0	0.0	3.0	0.0	0.0	
29	0.0		0.0	3.0	28.0	11.0	0.0	0.0	60.0	1.0	0.0	0.0	
30	0.0		0.0	3.0	4.0	4.0	8.0	0.0	0.0	14.0	0.0	0.0	
31	8.0		3.0		5.0		0.0	0.0		0.0		0.0	
													Anual
Total	125.0	234.0	151.0	300.0	297.0	295.0	111.0	147.0	277.0	284.0	144.0	39.0	2404.0
Días Ll.	9	20	16	19	20	19	12	11	7	18	11	3	

Estación : LAS DELICIAS
Año : 1999

Dpto. : SANTANDER
Mpio. : PALMAS DEL SOCORRO

Latitud : ° 'N
Longitud : ° m 'W
Altitud :

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	1.0	0.0	0.0	5.0	5.0	2.0	5.0	29.0	23.0	0.0	14.0	
2	0.0	3.0	0.0	0.0	10.0	0.0	6.0	37.0	10.0	0.0	9.0	6.0	
3	0.0	1.0	0.0	0.0	20.0	4.0	0.0	3.0	2.0	4.0	2.0	0.0	
4	0.0	38.0	0.0	20.0	29.0	28.0	0.0	7.0	4.0	14.0	5.0	2.0	
5	0.0	1.0	0.0	0.0	12.0	0.0	6.0	0.0	0.0	0.0	0.0	10.0	
6	0.0	0.0	0.0	0.0	0.0	3.0	11.0	3.0	0.0	36.0	0.0	0.0	
7	0.0	5.0	0.0	5.0	10.0	2.0	9.0	0.0	12.0	12.0	7.0	0.0	
8	0.0	0.0	0.0	10.0	15.0	12.0	10.0	1.0	22.0	0.0	7.0	2.0	
9	35.0	0.0	0.0	2.0	46.0	36.0	6.0	19.0	0.0	32.0	0.0	0.0	
10	20.0	10.0	5.0	8.0	24.0	5.0	20.0	34.0	3.0	0.0	0.0	0.0	
11	0.0	3.0	24.0	5.0	22.0	2.0	5.0	4.0	31.0	0.0	0.0	0.0	
12	1.0	10.0	0.0	7.0	7.0	0.0	9.0	9.0	41.0	6.0	24.0	2.0	
13	0.0	9.0	7.0	0.0	0.0	0.0	3.0	2.0	44.0	0.0	0.0	5.0	
14	0.0	12.0	0.0	13.0	22.0	5.0	8.0	3.0	4.0	4.0	34.0	15.0	
15	0.0	7.0	0.0	0.0	0.0	6.0	4.0	1.0	6.0	0.0	5.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	11.0	0.0	43.0	0.0	9.0	2.0	0.0	
17	0.0	46.0	6.0	0.0	0.0	15.0	0.0	4.0	0.0	80.0	8.0	20.0	
18	40.0	1.0	5.0	0.0	0.0	14.0	0.0	10.0	0.0	2.0	10.0	5.0	
19	22.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	6.0	2.0	0.0	
20	25.0	10.0	0.0	0.0	0.0	17.0	0.0	0.0	5.0	13.0	0.0	0.0	
21	20.0	31.0	0.0	0.0	0.0	26.0	0.0	19.0	67.0	16.0	0.0	0.0	
22	0.0	12.0	0.0	30.0	0.0	6.0	0.0	15.0	7.0	8.0	0.0	0.0	
23	0.0	0.0	0.0	1.0	5.0	2.0	1.0	23.0	0.0	67.0	0.0	0.0	
24	0.0	10.0	5.0	15.0	0.0	1.0	0.0	0.0	21.0	5.0	14.0	0.0	
25	0.0	18.0	10.0	28.0	0.0	0.0	2.0	10.0	33.0	6.0	19.0	4.0	
26	0.0	0.0	0.0	30.0	0.0	60.0	9.0	21.0	5.0	0.0	0.0	2.0	
27	0.0	5.0	0.0	0.0	0.0	20.0	0.0	2.0	28.0	0.0	0.0	0.0	
28	0.0	6.0	40.0	10.0	0.0	15.0	11.0	0.0	19.0	0.0	0.0	0.0	
29	0.0		16.0	12.0	10.0	12.0	15.0	0.0	2.0	18.0	0.0	0.0	
30	0.0		0.0	25.0	2.0	1.0	0.0	0.0	0.0	0.0	4.0	0.0	
31	0.0		10.0		3.0		8.0	2.0		0.0		0.0	
													Anual
Total	163.0	239.0	128.0	221.0	242.0	323.0	145.0	277.0	395.0	361.0	152.0	87.0	2733.0
Días Ll.	7	21	10	16	16	25	19	23	21	19	15	12	

Estación : LA CIMARRONA
Año : 1999

Dpto. : TOLIMA
Mpio. : FRESNO

Latitud : 5 ° 10 'N
Longitud : 75 ° 0 'W
Altitud : 1400 m

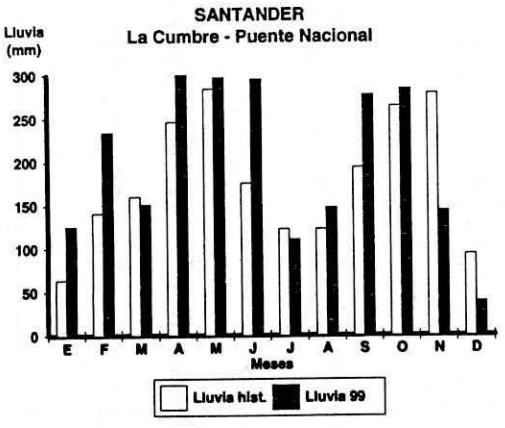
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	5.0	15.0	4.0	20.0		45.0	0.0						
2	2.0	3.0	18.0	4.0		36.0	0.0						
3	4.0	1.0	22.0	0.0		0.0	0.0						
4	1.0	7.0	1.0	0.0		50.0	0.0						
5	1.0	0.0	0.0	0.0		0.0	10.0						
6	70.0	0.0	21.0	9.0		1.0	0.0						
7	20.0	0.0	50.0	21.0		6.0	0.0						
8	17.0	6.0	20.0	2.0		9.0	0.0						
9	9.0	10.0	2.0	0.0		0.0	0.0						
10	21.0	0.0	0.0	0.0		0.0	0.0						
11	32.0	0.0	11.0	0.0		2.0	0.0						
12	0.0	40.0	0.0	130.0		9.0	0.0						
13	0.0	15.0	0.0	25.0		0.0	0.0						
14	8.0	22.0	0.0	0.0		0.0	0.0						
15	9.0	60.0	6.0	4.0		0.0	0.0						
16	2.0	70.0	15.0	0.0		0.0	0.0						
17	3.0	9.0	1.0	0.0		0.0	0.0						
18	7.0	12.0	1.0	0.0		0.0	0.0						
19	10.0	20.0	8.0	0.0		0.0	0.0						
20	12.0	33.0	2.0	0.0		4.0	0.0						
21	9.0	18.0	5.0	0.0		0.0	0.0						
22	14.0	13.0	8.0	0.0		0.0	0.0						
23	16.0	22.0	9.0	0.0		6.0	0.0						
24	28.0	30.0	20.0	80.0		11.0	8.0						
25	9.0	24.0	30.0	70.0		40.0	0.0						
26	11.0	35.0	1.0	20.0		20.0	0.0						
27	0.0	27.0	8.0	45.0		70.0	0.0						
28	7.0	0.0	10.0	10.0		0.0	0.0						
29	5.0		20.0	1.0		0.0	0.0						
30	1.0		20.0	0.0		0.0	0.0						
31	11.0		10.0				0.0						
Total	344.0	492.0	323.0	441.0		309.0	18.0						Anual
Días LI.	28	22	26	14		14	2						

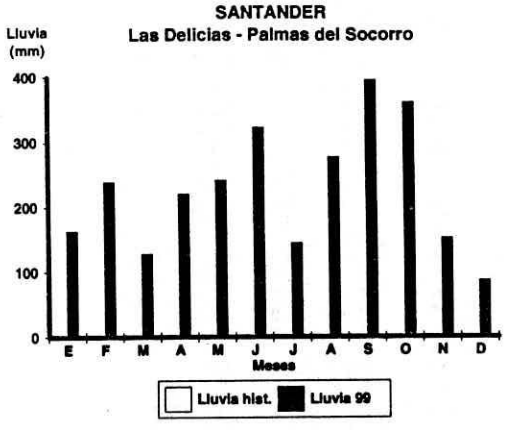
Estación : LA DANTA
Año : 1999

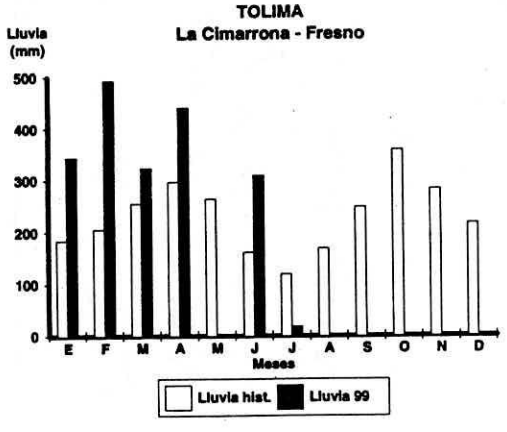
Dpto. : TOLIMA
Mpio. : CASABIANCA

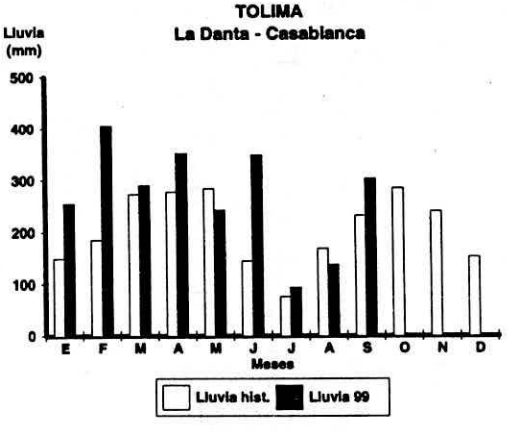
Latitud : 5 ° 6 'N
Longitud : 75 ° 6 'W
Altitud : 1700 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	0.0	0.0	32.0	0.0	0.0	0.0	15.0				
2	5.0	2.0	3.0	0.0	19.0	24.0	0.0	0.0	8.0				
3	5.0	18.0	15.0	0.0	0.0	0.0	10.0	0.0	0.0				
4	10.0	12.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0				
5	4.0	30.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0				
6	0.0	30.0	10.0	0.0	0.0	27.0	0.0	25.0	25.0				
7	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
8	10.0	0.0	0.0	40.0	10.0	32.0	0.0	10.0	0.0				
9	10.0	0.0	0.0	0.0	30.0	31.0	0.0	0.0	14.0				
10	5.0	10.0	8.0	5.0	0.0	38.0	0.0	0.0	0.0				
11	10.0	0.0	0.0	0.0	32.0	15.0	0.0	0.0	76.0				
12	0.0	60.0	0.0	36.0	74.0	45.0	0.0	0.0	0.0				
13	0.0	3.0	0.0	50.0	3.0	4.0	0.0	0.0	10.0				
14	0.0	22.0	15.0	0.0	0.0	10.0	0.0	0.0	0.0				
15	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0				
16	0.0	25.0	35.0	0.0	0.0	4.0	0.0	0.0	29.0				
17	0.0	10.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0				
18	0.0	30.0	14.0	0.0	0.0	0.0	50.0	0.0	20.0				
19	5.0	15.0	0.0	0.0	19.0	0.0	5.0	5.0	3.0				
20	20.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0				
21	0.0	45.0	15.0	0.0	0.0	0.0	0.0	15.0	0.0				
22	0.0	0.0	15.0	1.0	5.0	0.0	0.0	10.0	18.0				
23	0.0	29.0	35.0	0.0	0.0	0.0	0.0	5.0	0.0				
24	3.0	0.0	0.0	50.0	0.0	0.0	0.0	5.0	20.0				
25	0.0	2.0	0.0	66.0	0.0	45.0	8.0	12.0	5.0				
26	20.0	18.0	0.0	20.0	0.0	40.0	0.0	0.0	28.0				
27	78.0	20.0	10.0	0.0	3.0	20.0	0.0	10.0	20.0				
28	20.0	25.0	53.0	18.0	0.0	0.0	0.0	30.0	7.0				
29	5.0		12.0	65.0	0.0	0.0	0.0	0.0	4.0				
30	10.0		0.0	0.0	2.0	9.0	20.0	0.0	0.0				
31	5.0		0.0		8.0		0.0	0.0					
Total	255.0	406.0	290.0	351.0	242.0	348.0	93.0	137.0	302.0				Anual
Días LI.	18	19	15	10	13	15	5	11	16				


SANTANDER
La Cumbre - Puente Nacional
Lluvia (mm)
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


SANTANDER
Las Delicias - Palmas del Socorro
Lluvia (mm)
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


TOLIMA
La Cimarrona - Fresno
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


TOLIMA
La Danta - Casablanca
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : EL EDEN
Año : 1999

Dpto. : TOLIMA
Mpio. : LIBANO

Latitud : 4 ° 58 'N
Longitud : 75 ° 1 'W
Altitud : 1350 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	0.0	90.0	12.0	28.0	3.0	0.0	0.0	20.0	18.0	10.0	
2	0.0	0.0	0.0	0.0	1.0	0.0	20.0	0.0	6.0	0.0	0.0	2.0	
3	20.0	2.0	0.0	5.0	0.0	0.0	17.0	0.0	17.0	16.0	0.0	12.0	
4	6.0	0.0	0.0	2.0	1.0	4.0	0.0	0.0	48.0	7.0	0.0	24.0	
5	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6	0.0	0.0	0.0	75.0	33.0	40.0	1.0	5.0	1.0	21.0	0.0	2.0	
7	3.0	0.0	0.0	1.0	0.0	25.0	0.0	0.0	0.0	33.0	2.0	1.0	
8	8.0	0.0	0.0	22.0	8.0	7.0	0.0	16.0	0.0	11.0	0.0	0.0	
9	5.0	5.0	4.0	9.0	47.0	6.0	0.0	0.0	0.0	8.0	0.0	8.0	
10	1.0	0.0	14.0	0.0	0.0	12.0	0.0	0.0	0.0	18.0	41.0	28.0	
11	18.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	0.0	17.0	0.0	
12	0.0	52.0	0.0	52.0	0.0	58.0	0.0	0.0	2.0	0.0	2.0	14.0	
13	0.0	0.0	0.0	4.0	2.0	0.0	0.0	0.0	45.0	0.0	13.0	0.0	
14	0.0	13.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.0	3.0	
15	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	26.0	
16	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	5.0	
17	0.0	3.0	69.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	24.0	0.0	
18	0.0	1.0	0.0	0.0	33.0	0.0	0.0	2.0	0.0	5.0	0.0	5.0	
19	15.0	43.0	7.0	0.0	0.0	0.0	3.0	4.0	2.0	7.0	2.0	0.0	
20	11.0	0.0	0.0	0.0	12.0	0.0	0.0	11.0	0.0	26.0	3.0	0.0	
21	9.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	24.0	0.0	34.0	
22	0.0	0.0	63.0	0.0	0.0	5.0	0.0	0.0	0.0	56.0	0.0	2.0	
23	0.0	32.0	12.0	0.0	0.0	0.0	0.0	29.0	0.0	0.0	0.0	24.0	
24	43.0	13.0	0.0	65.0	0.0	0.0	0.0	5.0	18.0	52.0	18.0	0.0	
25	0.0	0.0	0.0	24.0	0.0	28.0	0.0	27.0	0.0	28.0	2.0	0.0	
26	12.0	26.0	0.0	17.0	0.0	20.0	3.0	44.0	16.0	3.0	0.0	10.0	
27	22.0	13.0	25.0	0.0	17.0	15.0	0.0	10.0	0.0	2.0	0.0	0.0	
28	64.0	0.0	1.0	1.0	2.0	14.0	45.0	2.0	0.0	2.0	0.0	22.0	
29	0.0		0.0	17.0	0.0	0.0	0.0	0.0	16.0	21.0	0.0	0.0	
30	15.0		17.0	0.0	0.0	0.0	10.0	0.0	25.0	0.0	0.0	0.0	
31	0.0		0.0		52.0		0.0	0.0		0.0		0.0	
Total	252.0	225.0	230.0	384.0	226.0	262.0	102.0	155.0	258.0	380.0	214.0	232.0	Anual 2920.0
Días Ll.	15	15	11	14	13	13	8	11	14	20	12	18	

Estación : EL INCIENSAL
Año : 1999

Dpto. : TOLIMA
Mpio. : MURILLO

Latitud : 4 ° 53 'N
Longitud : 75 ° 8 'W
Altitud : 2400 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	15.2	31.2	4.5	0.0	6.5	15.2	5.3	0.0	6.2	12.8	24.2	15.2	
2	7.4	14.6	2.5	0.0	0.0	0.0	8.2	0.0	8.6	20.2	8.2	51.2	
3	5.4	8.6	2.3	77.3	7.7	0.0	9.6	0.0	8.6	3.6	0.0	27.2	
4	6.7	10.2	0.0	0.0	6.5	9.5	5.2	0.0	7.2	22.5	0.0	13.2	
5	5.8	8.1	22.3	10.2	45.2	22.3	6.7	13.6	6.2	0.0	28.0	7.6	
6	3.4	18.3	0.0	9.5	6.2	21.2	15.6	1.0	16.2	8.6	5.2	0.0	
7	4.2	0.0	7.5	8.6	5.7	8.5	0.0	0.0	0.0	9.5	4.2	0.0	
8	5.3	1.2	15.3	0.0	43.2	9.6	0.0	0.0	15.6	6.5	5.6	0.0	
9	5.6	0.0	5.3	0.0	7.8	8.6	0.0	0.0	17.0	0.0	0.0	6.7	
10	16.2	8.6	5.2	35.2	15.3	22.5	0.0	0.0	15.3	5.2	0.0	27.2	
11	5.2	3.4	4.5	40.3	58.2	12.3	0.0	6.5	8.3	12.2	7.8	57.2	
12	4.2	0.0	16.3	9.5	6.2	8.6	0.0	0.0	12.3	0.0	0.0	3.7	
13	5.3	11.2	0.0	0.0	0.0	3.2	0.0	0.0	13.0	0.0	6.7	28.6	
14	0.0	8.6	22.5	0.0	0.0	0.0	0.0	0.0	4.2	16.2	26.2	16.2	
15	0.0	7.5	19.5	0.0	0.0	3.6	0.0	0.0	52.3	26.4	5.6	11.5	
16	0.0	5.8	10.6	0.0	0.0	5.2	0.0	0.0	3.8	5.2	16.5	18.6	
17	1.2	18.2	8.6	0.0	11.2	15.6	0.0	0.0	0.0	16.2	35.2	12.3	
18	8.7	24.2	3.5	0.0	0.0	14.6	12.3	0.0	4.6	6.3	18.3	5.6	
19	2.6	5.6	8.5	0.0	0.0	0.0	0.0	0.0	3.0	5.2	25.2	0.0	
20	0.0	5.7	60.2	0.0	0.0	0.0	0.0	0.0	15.6	6.3	12.5	22.3	
21	0.0	44.5	21.0	0.0	0.0	7.6	0.0	10.1	27.2	5.0	0.0	0.0	
22	18.5	6.0	14.7	40.3	40.3	0.0	3.2	0.0	3.6	35.2	0.0	7.5	
23	0.0	18.6	0.0	50.2	50.2	4.5	0.0	34.2	0.0	15.2	19.7	28.3	
24	15.2	22.3	0.0	30.2	30.2	6.2	0.0	20.2	6.7	8.2	20.2	8.7	
25	12.3	18.2	0.0	20.1	20.1	35.2	0.0	18.5	5.6	13.2	0.0	0.0	
26	40.2	35.3	0.0	42.0	42.0	27.5	0.0	19.0	26.2	28.2	6.7	8.2	
27	12.6	40.2	32.2	8.6	8.6	6.5	0.0	17.8	15.2	32.3	0.0	7.8	
28	0.0	85.0	0.0	19.5	19.5	19.5	0.0	4.2	5.3	16.2	21.2	0.0	
29	5.2		0.0	4.2	4.2	6.5	3.1	0.0	5.0	12.3	19.3	0.0	
30	8.6		0.0	5.9	0.0	3.2	0.0	0.0	15.2	0.0	13.2	0.0	
31	19.5		0.0		5.2		0.0	22.5		50.2		0.0	
Total	234.5	461.1	287.0	411.6	440.0	297.2	69.2	167.6	328.0	398.9	329.7	384.8	Anual 3809.6
Días Ll.	24	25	20	16	21	24	9	11	27	26	21	21	

Estación : PLANES
Año : 1999

Dpto. : TOLIMA
Mpio. : LERIDA

Latitud : 4 ° 51 'N
Longitud : 75 ° 0 'W
Altitud : 1200 m

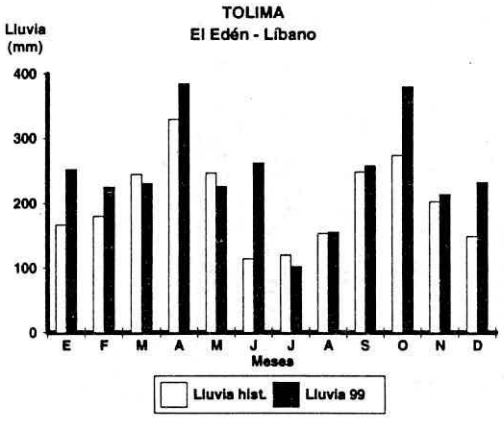
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	0.0	22.0	53.0	0.0	0.0	0.0	15.0	15.0	10.0		
2	10.0	50.0	0.0	0.0	2.0	5.0	9.0	0.0	15.0	0.0	0.0		
3	0.0	18.0	11.0	0.0	8.0	0.0	17.0	0.0	0.0	12.0	0.0		
4	27.0	0.0	0.0	16.0	10.0	50.0	0.0	0.0	37.0	0.0	0.0		
5	0.0	22.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	17.0	0.0		
6	10.0	0.0	0.0	5.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0		
7	0.0	0.0	0.0	14.0	0.0	22.0	0.0	0.0	16.0	38.0	0.0		
8	0.0	5.0	5.0	0.0	20.0	12.0	0.0	30.0	0.0	17.0	0.0		
9	11.0	17.0	0.0	20.0	10.0	7.0	0.0	0.0	10.0	0.0	0.0		
10	30.0	0.0	10.0	0.0	0.0	16.0	0.0	0.0	0.0	20.0	21.0		
11	4.0	22.0	0.0	0.0	0.0	25.0	0.0	0.0	15.0	0.0	12.0		
12	0.0	0.0	0.0	22.0	19.0	33.0	0.0	0.0	0.0	0.0	30.0		
13	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	50.0	0.0	0.0		
14	0.0	35.0	21.0	0.0	0.0	9.0	0.0	0.0	0.0	27.0	12.0		
15	0.0	52.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
16	0.0	12.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
17	7.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0		
18	0.0	21.0	5.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	10.0		
19	0.0	0.0	3.0	0.0	10.0	0.0	12.0	0.0	0.0	13.0	0.0		
20	57.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	70.0	48.0	0.0		
21	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
22	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
23	16.0	14.0	65.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0		
24	0.0	0.0	0.0	66.0	0.0	0.0	0.0	7.0	8.0	52.0	8.0		
25	0.0	16.0	0.0	40.0	0.0	9.0	0.0	35.0	0.0	10.0	0.0		
26	8.0	31.0	0.0	23.0	0.0	0.0	0.0	45.0	15.0	25.0	6.0		
27	50.0	12.0	0.0	0.0	30.0	35.0	0.0	0.0	0.0	0.0	0.0		
28	49.0	0.0	0.0	0.0	5.0	15.0	28.0	0.0	0.0	0.0	0.0		
29	0.0		0.0	9.0	0.0	10.0	8.0	0.0	20.0	36.0	0.0		
30	35.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
31	8.0		0.0		0.0		0.0	0.0		0.0			
Total	322.0	349.0	155.0	237.0	219.0	300.0	74.0	132.0	271.0	330.0	119.0		Anual
Días LI.	14	15	11	10	13	15	5	5	11	13	9		

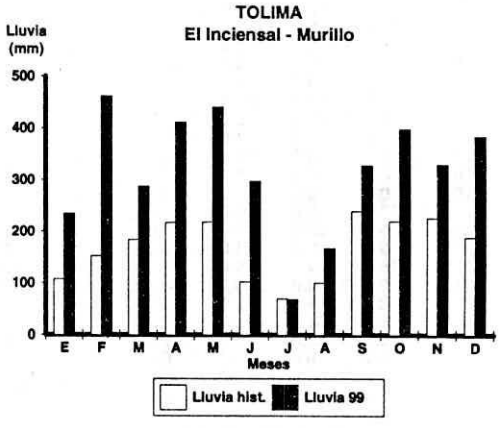
Estación : GUADUALITO
Año : 1999

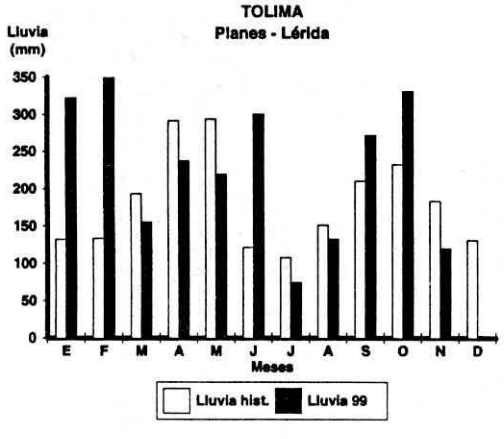
Dpto. : TOLIMA
Mpio. : SANTA ISABEL

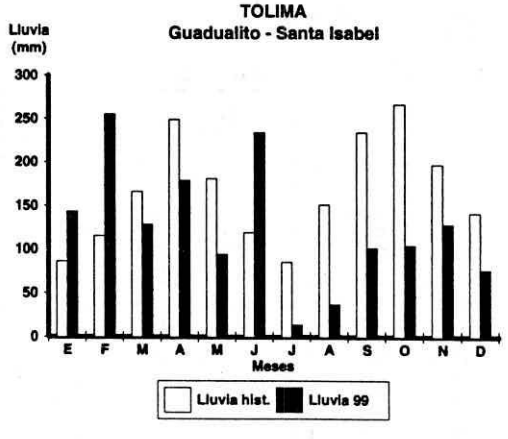
Latitud : 4 ° 42 'N
Longitud : 75 ° 4 'W
Altitud : 1620 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	6.0	2.0	0.0	0.0	2.0	10.0	0.0	0.0	0.0	6.0	0.0	2.0	
2	4.0	4.0	6.0	0.0	4.0	5.0	10.0	0.0	0.0	1.0	0.0	9.0	
3	0.0	9.0	0.0	2.0	2.0	0.0	0.0	0.0	10.0	0.0	4.0	6.0	
4	0.0	10.0	0.0	5.0	6.0	0.0	0.0	0.0	2.0	0.0	6.0	0.0	
5	4.0	11.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	
6	6.0	0.0	0.0	5.0	8.0	8.0	0.0	0.0	0.0	4.0	0.0	2.0	
7	4.0	0.0	0.0	2.0	10.0	6.0	0.0	0.0	0.0	12.0	0.0	6.0	
8	10.0	0.0	0.0	4.0	0.0	4.0	0.0	0.0	0.0	0.0	6.0	0.0	
9	6.0	0.0	0.0	8.0	10.0	6.0	0.0	0.0	0.0	0.0	8.0	4.0	
10	2.0	0.0	0.0	4.0	21.0	10.0	0.0	0.0	0.0	10.0	0.0	0.0	
11	1.0	20.0	0.0	18.0	4.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	
12	0.0	10.0	0.0	20.0	0.0	11.0	0.0	0.0	0.0	2.0	15.0	6.0	
13	0.0	45.0	20.0	12.0	0.0	9.0	0.0	0.0	0.0	4.0	8.0	14.0	
14	0.0	10.0	10.0	0.0	0.0	4.0	0.0	10.0	2.0	6.0	6.0	0.0	
15	0.0	6.0	16.0	0.0	0.0	4.0	0.0	0.0	8.0	0.0	21.0	6.0	
16	20.0	20.0	14.0	0.0	0.0	6.0	0.0	0.0	4.0	0.0	0.0	0.0	
17	0.0	10.0	10.0	0.0	0.0	8.0	0.0	0.0	7.0	0.0	0.0	0.0	
18	0.0	4.0	18.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	
19	0.0	0.0	20.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	4.0	0.0	
20	0.0	40.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	3.0	6.0	
21	2.0	12.0	0.0	0.0	4.0	4.0	0.0	0.0	6.0	0.0	10.0	4.0	
22	4.0	10.0	2.0	0.0	6.0	10.0	0.0	0.0	10.0	9.0	11.0	2.0	
23	8.0	8.0	0.0	40.0	0.0	15.0	0.0	15.0	12.0	9.0	8.0	1.0	
24	11.0	6.0	0.0	16.0	0.0	25.0	0.0	10.0	8.0	0.0	6.0	8.0	
25	12.0	2.0	0.0	11.0	7.0	22.0	0.0	2.0	4.0	0.0	0.0	0.0	
26	10.0	1.0	8.0	6.0	0.0	4.0	0.0	0.0	9.0	15.0	0.0	0.0	
27	15.0	5.0	0.0	2.0	10.0	6.0	0.0	0.0	6.0	2.0	0.0	0.0	
28	8.0	10.0	4.0	10.0	0.0	6.0	4.0	0.0	0.0	10.0	0.0	0.0	
29	10.0		0.0	8.0	0.0	4.0	0.0	0.0	10.0	8.0	12.0	0.0	
30	0.0		0.0	0.0	0.0	20.0	0.0	0.0	3.0	0.0	0.0	0.0	
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0	
Total	143.0	255.0	128.0	179.0	94.0	234.0	14.0	37.0	101.0	104.0	128.0	76.0	Anual 1493.0
Días LI.	19	22	11	18	13	27	2	4	15	15	15	14	


TOLIMA
El Edén - Líbano
Lluvia (mm)
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


TOLIMA
El Inciensal - Murillo
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


TOLIMA
Planes - Lérida
Lluvia (mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


TOLIMA
Guadualito - Santa Isabel
Lluvia (mm)
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : TOTARITO
Año : 1999

Dpto. : TOLIMA
Mpio. : ALVARADO

Latitud : 4 ° 40 'N
Longitud : 75 ° 1 'W
Altitud : 1250 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	0.0	0.0	38.0	24.0	0.0	0.0	0.0	20.0	17.0	41.0	
2	50.0	0.0	0.0	20.0	0.0	0.0	65.0	0.0	7.0	0.0	0.0	0.0	
3	0.0	0.0	0.0	0.0	0.0	26.0	24.0	0.0	0.0	20.0	0.0	0.0	
4	0.0	18.0	0.0	0.0	23.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6	0.0	0.0	0.0	0.0	25.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	
7	0.0	13.0	0.0	0.0	36.0	20.0	0.0	0.0	15.0	45.0	0.0	0.0	
8	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	45.0	
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	28.0	0.0	0.0	0.0	
10	0.0	19.0	0.0	19.0	0.0	24.0	0.0	0.0	0.0	20.0	20.0	0.0	
11	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	0.0	0.0	0.0	
12	0.0	0.0	0.0	0.0	0.0	28.0	0.0	0.0	30.0	35.0	0.0	20.0	
13	0.0	23.0	0.0	33.0	5.0	0.0	0.0	0.0	0.0	0.0	38.0	0.0	
14	0.0	0.0	33.0	0.0	0.0	30.0	0.0	11.0	40.0	0.0	0.0	15.0	
15	0.0	17.0	30.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	0.0	0.0	0.0	
17	0.0	15.0	35.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19	0.0	30.0	0.0	0.0	15.0	23.0	0.0	0.0	0.0	0.0	5.0	8.0	
20	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.0	3.0	0.0	
22	0.0	23.0	18.0	38.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	
23	0.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	
24	0.0	0.0	0.0	22.0	8.0	0.0	0.0	8.0	0.0	45.0	9.0	0.0	
25	25.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
26	0.0	24.0	20.0	0.0	0.0	0.0	0.0	22.0	17.0	0.0	18.0	0.0	
27	30.0	0.0	0.0	20.0	0.0	0.0	0.0	32.0	20.0	0.0	0.0	5.0	
28	18.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	
29	0.0		0.0	18.0	19.0	0.0	0.0	0.0	45.0	0.0	0.0	0.0	
30	12.0		32.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	
31	15.0		0.0		0.0		0.0	0.0		0.0		0.0	
Total	190.0	209.0	193.0	210.0	190.0	219.0	89.0	82.0	313.0	221.0	110.0	134.0	Anual 2160.0
Días LI.	8	10	7	9	9	10	2	5	14	7	7	6	

Estación : EL RECREO
Año : 1999

Dpto. : TOLIMA
Mpio. : ORTEGA

Latitud : 4 ° 3 'N
Longitud : 75 ° 19 'W
Altitud : 1520 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	10.0	63.0	0.0	0.0	0.0	81.0	0.0	0.0	0.0	50.0	0.0	10.0	
2	30.0	0.0	12.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	67.0	0.0	
3	0.0	0.0	10.0	0.0	40.0	0.0	0.0	0.0	30.0	41.0	0.0	50.0	
4	10.0	0.0	0.0	24.0	0.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	
5	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.0	30.0	40.0	
6	18.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.0	0.0	0.0	
7	25.0	0.0	0.0	16.0	15.0	76.0	0.0	0.0	0.0	0.0	25.0	15.0	
8	0.0	10.0	0.0	33.0	58.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9	19.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	13.0	0.0	12.0	
10	31.0	0.0	57.0	0.0	38.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	
11	0.0	69.0	0.0	21.0	0.0	0.0	0.0	0.0	37.0	0.0	0.0	25.0	
12	10.0	0.0	0.0	119.0	81.0	21.0	0.0	0.0	30.0	0.0	0.0	35.0	
13	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	35.0	50.0	
14	0.0	26.0	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0	
15	10.0	18.0	86.0	0.0	0.0	110.0	0.0	0.0	16.0	0.0	0.0	12.0	
16	0.0	0.0	0.0	0.0	57.0	0.0	0.0	0.0	0.0	0.0	0.0	33.0	
17	10.0	0.0	10.0	0.0	0.0	30.0	0.0	0.0	0.0	20.0	75.0	0.0	
18	0.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0	
19	51.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20	23.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	10.0	
21	0.0	0.0	0.0	35.0	0.0	43.0	0.0	0.0	0.0	60.0	0.0	11.0	
22	0.0	30.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0	0.0	0.0	
23	8.0	22.0	28.0	0.0	0.0	0.0	0.0	0.0	66.0	0.0	8.0	0.0	
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	7.0	12.0	
25	10.0	10.0	0.0	27.0	0.0	27.0	0.0	50.0	0.0	0.0	0.0	0.0	
26	0.0	10.0	8.0	26.0	0.0	41.0	0.0	49.0	38.0	12.0	0.0	0.0	
27	10.0	8.0	0.0	0.0	0.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	
28	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
29	21.0		14.0	82.0	0.0	0.0	0.0	0.0	15.0	90.0	0.0	0.0	
30	0.0		0.0	0.0	0.0	46.0	0.0	0.0	25.0	0.0	12.0	0.0	
31	42.0		0.0		0.0		0.0	0.0		0.0		0.0	
Total	347.0	394.0	278.0	393.0	289.0	512.0	13.0	99.0	287.0	527.0	335.0	375.0	Anual 3849.0
Dias LI.	18	16	11	10	6	11	1	2	9	12	10	14	

Estación : LA MESETA
Año : 1999

Dpto. : TOLIMA
Mpio. : SAN ANTONIO

Latitud : 3 ° 55 'N
Longitud : 75 ° 29 'W
Altitud : 1600 m

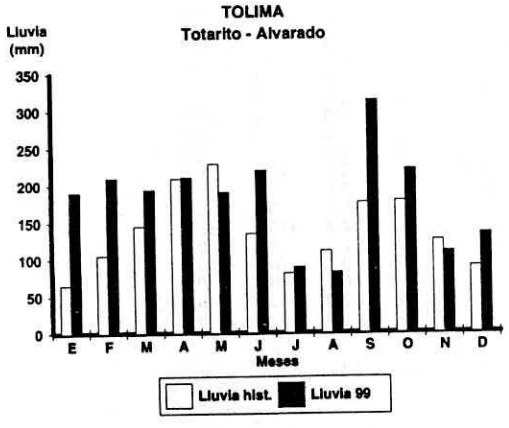
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	10.0	10.0	30.0	0.0	40.0	0.0	4.0	0.0	4.0		
2	4.0	0.0	40.0	40.0	4.0	4.0	4.0	0.0	8.0	4.0	6.0		
3	8.0	16.0	0.0	0.0	10.0	20.0	2.0	10.0	0.0	40.0	0.0		
4	20.0	40.0	30.0	0.0	0.0	6.0	0.0	4.0	0.0	2.0	0.0		
5	40.0	20.0	4.0	20.0	0.0	10.0	0.0	0.0	0.0	0.0	10.0		
6	10.0	10.0	2.0	10.0	20.0	0.0	12.0	0.0	4.0	10.0	40.0		
7	0.0	0.0	8.0	4.0	8.0	0.0	20.0	2.0	0.0	2.0	60.0		
8	10.0	60.0	60.0	60.0	6.0	60.0	0.0	0.0	10.0	0.0	0.0		
9	0.0	10.0	0.0	0.0	4.0	40.0	0.0	6.0	0.0	0.0	0.0		
10	60.0	0.0	0.0	0.0	0.0	20.0	6.0	0.0	0.0	36.0	30.0		
11	30.0	0.0	10.0	2.0	0.0	0.0	0.0	0.0	60.0	10.0	40.0		
12	0.0	4.0	20.0	4.0	4.0	0.0	10.0	0.0	40.0	16.0	0.0		
13	10.0	8.0	30.0	8.0	2.0	18.0	30.0	0.0	0.0	10.0	8.0		
14	18.0	0.0	0.0	10.0	60.0	50.0	0.0	0.0	0.0	0.0	12.0		
15	0.0	20.0	4.0	0.0	40.0	10.0	40.0	0.0	10.0	0.0	0.0		
16	0.0	4.0	2.0	40.0	50.0	4.0	6.0	40.0	6.0	30.0	0.0		
17	2.0	0.0	12.0	10.0	0.0	0.0	0.0	2.0	2.0	0.0	40.0		
18	4.0	0.0	8.0	0.0	2.0	0.0	2.0	4.0	0.0	0.0	30.0		
19	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	4.0	60.0		
20	40.0	40.0	0.0	16.0	10.0	8.0	0.0	0.0	30.0	6.0	0.0		
21	36.0	30.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0		
22	14.0	6.0	0.0	0.0	0.0	30.0	0.0	0.0	4.0	0.0	0.0		
23	0.0	0.0	10.0	0.0	8.0	60.0	30.0	10.0	0.0	4.0	10.0		
24	0.0	10.0	40.0	0.0	0.0	40.0	40.0	2.0	10.0	10.0	20.0		
25	20.0	4.0	20.0	0.0	0.0	0.0	0.0	4.0	14.0	0.0	30.0		
26	10.0	50.0	40.0	40.0	0.0	10.0	0.0	0.0	0.0	8.0	6.0		
27	0.0	20.0	0.0	10.0	10.0	4.0	0.0	0.0	0.0	0.0	0.0		
28	40.0	4.0	0.0	18.0	0.0	30.0	0.0	0.0	60.0	0.0	4.0		
29	0.0		30.0	10.0	0.0	20.0	0.0	0.0	10.0	10.0	30.0		
30	10.0		20.0	40.0	0.0	10.0	0.0	0.0	0.0	40.0	0.0		
31	0.0		4.0		0.0		0.0	20.0		0.0			
Total	386.0	356.0	404.0	352.0	268.0	480.0	242.0	104.0	272.0	242.0	440.0		Anual
Días Ll.	19	18	21	18	16	22	13	11	15	17	18		

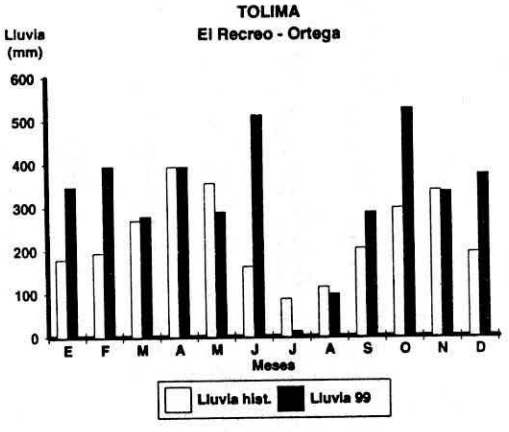
Estación : POCO A POCO
Año : 1999

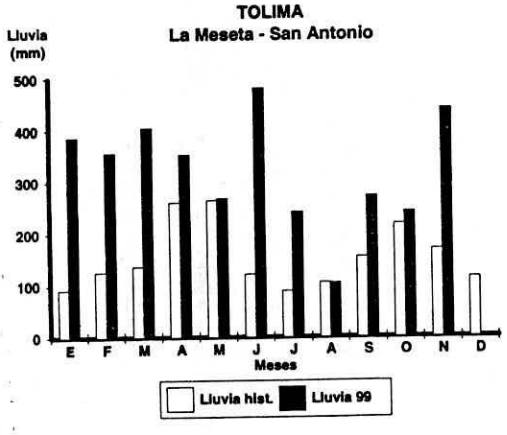
Dpto. : TOLIMA
Mpio. : CHAPARRAL

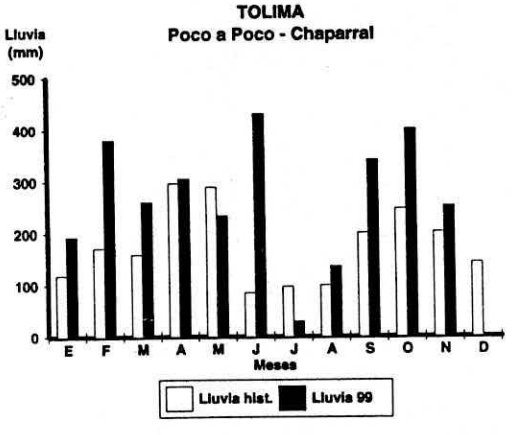
Latitud : 3 ° 47 'N
Longitud : 75 ° 33 'W
Altitud : 1340 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	35.0	0.0	0.0	7.0	10.0	25.0	0.0	0.0	12.0	0.0		
2	0.0	0.0	0.0	39.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0		
3	11.0	0.0	32.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0		
4	17.0	9.0	1.0	68.0	0.0	53.0	4.0	0.0	0.0	61.0	66.0		
5	0.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69.0	0.0		
6	2.0	0.0	0.0	0.0	60.0	0.0	0.0	0.0	0.0	16.0	6.0		
7	0.0	12.0	0.0	14.0	10.0	47.0	0.0	28.0	0.0	0.0	0.0		
8	0.0	0.0	0.0	13.0	3.0	39.0	0.0	30.0	10.0	0.0	12.0		
9	12.0	0.0	60.0	25.0	20.0	30.0	0.0	0.0	0.0	0.0	20.0		
10	31.0	0.0	40.0	15.0	50.0	2.0	0.0	0.0	54.0	0.0	22.0		
11	0.0	0.0	17.0	0.0	17.0	15.0	0.0	0.0	47.0	5.0	10.0		
12	0.0	32.0	0.0	19.0	21.0	9.0	0.0	0.0	36.0	0.0	0.0		
13	0.0	0.0	0.0	0.0	0.0	23.0	0.0	48.0	0.0	0.0	0.0		
14	0.0	46.0	9.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0		
15	0.0	0.0	16.0	0.0	8.0	30.0	0.0	0.0	5.0	0.0	0.0		
16	0.0	0.0	0.0	0.0	30.0	42.0	0.0	0.0	34.0	9.0	0.0		
17	19.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	26.0		
18	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	20.0		
19	6.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0		
20	9.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	45.0	0.0		
21	0.0	15.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	56.0	19.0		
22	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	91.0	21.0	0.0		
23	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	0.0		
24	0.0	74.0	0.0	7.0	0.0	18.0	0.0	4.0	0.0	17.0	14.0		
25	60.0	0.0	0.0	13.0	0.0	29.0	0.0	10.0	0.0	0.0	0.0		
26	0.0	0.0	9.0	0.0	0.0	23.0	0.0	0.0	23.0	0.0	3.0		
27	8.0	0.0	0.0	0.0	0.0	41.0	0.0	0.0	14.0	0.0	0.0		
28	18.0	43.0	30.0	40.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0		
29	0.0		0.0	22.0	0.0	0.0	0.0	0.0	9.0	41.0	0.0		
30	0.0		0.0	0.0	0.0	20.0	0.0	0.0	18.0	0.0	0.0		
31	0.0		0.0		0.0		0.0	0.0		0.0			
Total	193.0	380.0	260.0	305.0	234.0	431.0	29.0	135.0	341.0	401.0	252.0		Anual
Días Ll.	11	12	13	12	12	16	2	6	11	14	13		


TOLIMA
Totarito - Alvarado
Lluvia (mm)
350
300
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


TOLIMA
El Recreo - Ortega
Lluvia (mm)
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


TOLIMA
La Meseta - San Antonio
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


TOLIMA
Poco a Poco - Chaparral
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : MONTEFRIO
Año : 1999

Dpto. : TOLIMA
Mpio. : NATAGAIMA

Latitud : 3 ° 29 'N
Longitud : 75 ° 16 'W
Altitud : 1500 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0		
2	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	20.0		
3	30.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0		
4	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	10.0		
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
6	0.0	80.0	50.0	50.0	20.0	30.0	0.0	0.0	0.0	0.0	0.0		
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	20.0		
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
9	0.0	30.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	20.0	30.0		
10	0.0	0.0	0.0	10.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0		
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
12	50.0	120.0	10.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	80.0		
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
14	0.0	0.0	0.0	10.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0		
15	0.0	0.0	80.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	20.0		
16	0.0	40.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	30.0	0.0		
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.0	0.0	40.0		
18	0.0	0.0	50.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0		
19	10.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	20.0	0.0		
20	0.0	0.0	10.0	0.0	20.0	0.0	0.0	0.0	30.0	0.0	50.0		
21	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	110.0	80.0		
23	30.0	0.0	20.0	40.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0		
24	0.0	0.0	0.0	0.0	40.0	60.0	0.0	0.0	0.0	20.0	0.0		
25	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0		
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0		
27	0.0	0.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0		
28	40.0	40.0	0.0	50.0	11.0	110.0	0.0	0.0	0.0	20.0	50.0		
29	0.0		0.0	0.0	0.0	0.0	0.0	20.0	0.0	120.0	0.0		
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0		
31	30.0		0.0		0.0		10.0	0.0		0.0			
Total	190.0	410.0	280.0	190.0	191.0	300.0	50.0	50.0	280.0	440.0	400.0		Anual
Días LI.	6	7	7	6	7	6	4	3	6	10	10		

Estación : TRICONTINENTAL
Año : 1999

Dpto. : TOLIMA
Mpio. : FRESNO

Latitud : ° 'N
Longitud : ° 'W
Altitud : m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1			0.0	37.0	110.0	18.0	0.0	0.0	8.0	18.0	0.0	15.0	
2			25.0	0.0	5.0	0.0	6.0	0.0	0.0	0.0	6.0	12.0	
3			0.0	36.0	0.0	0.0	0.0	0.0	0.0	10.0	3.0	58.0	
4			25.0	0.0	7.0	15.0	0.0	0.0	45.0	28.0	0.0	26.0	
5			0.0	0.0	10.0	0.0	0.0	0.0	0.0	6.0	0.0	4.0	
6			10.0	0.0	7.0	15.0	0.0	65.0	0.0	21.0	0.0	8.0	
7			0.0	0.0	0.0	58.0	0.0	0.0	0.0	78.0	7.0	12.0	
8			0.0	48.0	0.0	5.0	0.0	5.0	8.0	7.0	0.0	4.0	
9			14.0	0.0	48.0	56.0	0.0	0.0	23.0	2.0	0.0	29.0	
10			50.0	2.0	0.0	0.0	0.0	0.0	0.0	7.0	28.0	13.0	
11			0.0	0.0	13.0	5.0	0.0	0.0	43.0	0.0	45.0	0.0	
12			0.0	14.0	5.0	35.0	0.0	0.0	3.0	0.0	25.0	19.0	
13			0.0	0.0	3.0	0.0	0.0	0.0	40.0	0.0	24.0	15.0	
14			0.0	114.0	0.0	0.0	0.0	13.0	0.0	0.0	28.0	6.0	
15			10.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0	0.0	34.0	
16			33.0	96.0	0.0	0.0	0.0	0.0	8.0	0.0	4.0	5.0	
17			34.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	23.0	0.0	
18			0.0	10.0	22.0	0.0	0.0	3.0	0.0	15.0	4.0	11.0	
19			5.0	0.0	11.0	0.0	15.0	0.0	0.0	0.0	8.0	8.0	
20			0.0	0.0	0.0	0.0	0.0	50.0	0.0	54.0	4.0	35.0	
21			0.0	0.0	10.0	0.0	0.0	55.0	25.0	8.0	0.0	76.0	
22			0.0	55.0	20.0	0.0	0.0	30.0	2.0	47.0	0.0	0.0	
23			0.0	6.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	11.0	
24			0.0	0.0	0.0	0.0	0.0	0.0	55.0	0.0	27.0	0.0	
25			0.0	14.0	0.0	95.0	0.0	25.0	27.0	0.0	0.0	0.0	
26			0.0	0.0	0.0	17.0	4.0	35.0	14.0	0.0	0.0	13.0	
27			0.0	22.0	7.0	33.0	0.0	45.0	0.0	13.0	0.0	0.0	
28			0.0	0.0	17.0	0.0	21.0	8.0	45.0	4.0	0.0	50.0	
29			0.0	27.0	0.0	0.0	0.0	6.0	26.0	125.0	0.0	0.0	
30			0.0	26.0	23.0	0.0	6.0	0.0	0.0	11.0	6.0	0.0	
31			0.0		0.0		0.0	5.0		0.0		0.0	
Total			206.0	507.0	318.0	352.0	52.0	356.0	372.0	554.0	242.0	464.0	Anual
Días LI.			9	14	16	11	5	14	15	19	15	22	

Estación : SANTA MARTA
Año : 1999

Dpto. : VALLE
Mpio. : EL AGUILA

Latitud : 4 ° 53 'N
Longitud : 76 ° 3 'W
Altitud : 1760 m

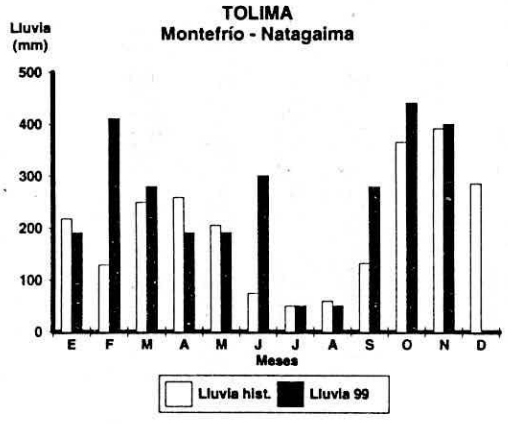
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1					0.0	4.0	8.0	4.0	14.0	0.0	4.0	16.0	
2					0.0	0.0	29.0	0.0	0.0	0.0	10.0	32.0	
3					0.0	16.0	6.0	0.0	0.0	0.0	2.0	6.0	
4					0.0	12.0	0.0	0.0	0.0	4.0	20.0	36.0	
5					0.0	0.0	0.0	7.0	0.0	20.0	0.0	8.0	
6					14.0	0.0	0.0	6.0	0.0	0.0	0.0	10.0	
7					2.0	27.0	46.0	7.0	6.0	0.0	4.0	0.0	
8					11.0	2.0	0.0	0.0	0.0	5.0	0.0	0.0	
9					22.0	0.0	0.0	0.0	5.0	5.0	0.0	0.0	
10					2.0	4.0	0.0	0.0	4.0	0.0	0.0	25.0	
11					4.0	0.0	0.0	7.0	30.0	0.0	18.0	5.0	
12					21.0	0.0	0.0	8.0	15.0	5.0	16.0	40.0	
13					0.0	6.0	0.0	0.0	5.0	0.0	20.0	28.0	
14					0.0	0.0	0.0	18.0	0.0	0.0	5.0	26.0	
15					4.0	0.0	0.0	0.0	12.0	10.0	8.0	27.0	
16					0.0	10.0	0.0	28.0	10.0	12.0	15.0	12.0	
17					0.0	15.0	0.0	0.0	0.0	0.0	10.0	0.0	
18					0.0	36.0	0.0	0.0	0.0	0.0	18.0	0.0	
19					0.0	10.0	12.0	0.0	4.0	0.0	8.0	0.0	
20					0.0	27.0	0.0	0.0	0.0	25.0	10.0	16.0	
21					2.0	0.0	0.0	8.0	13.0	4.0	20.0	32.0	
22					2.0	0.0	0.0	0.0	0.0	22.0	16.0	34.0	
23					0.0	0.0	0.0	37.0	0.0	10.0	18.0	10.0	
24					0.0	10.0	0.0	0.0	10.0	6.0	10.0	22.0	
25					15.0	5.0	0.0	2.0	12.0	50.0	10.0	0.0	
26					0.0	2.0	0.0	0.0	11.0	30.0	14.0	0.0	
27					0.0	48.0	0.0	4.0	32.0	32.0	10.0	0.0	
28					0.0	0.0	0.0	2.0	16.0	0.0	15.0	0.0	
29					6.0	0.0	0.0	0.0	0.0	10.0	6.0	0.0	
30					0.0	2.0	0.0	0.0	4.0	28.0	0.0	0.0	
31					8.0		0.0	0.0		4.0		0.0	
													Anual
Total					113.0	236.0	101.0	138.0	203.0	282.0	287.0	385.0	
Días LI.					13	17	5	13	17	18	24	18	

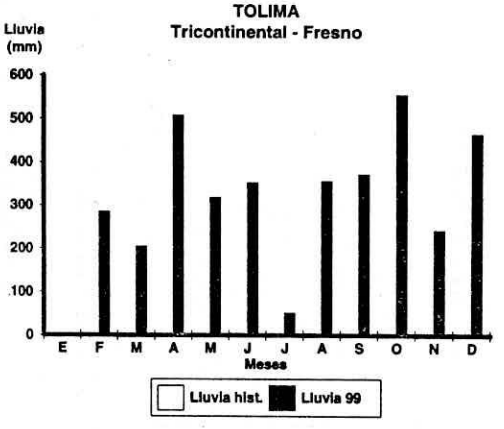
Estación : EL PLACER
Año : 1999

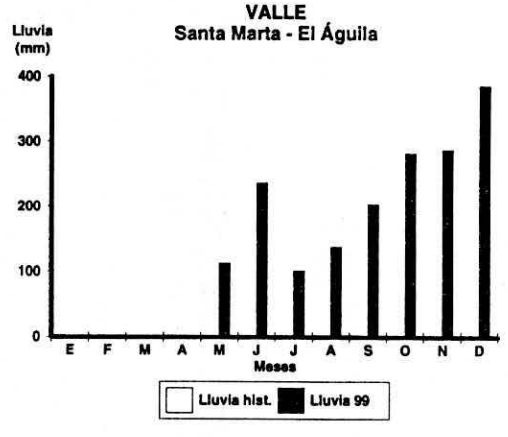
Dpto. : VALLE
Mpio. : ANSERMANUEVO

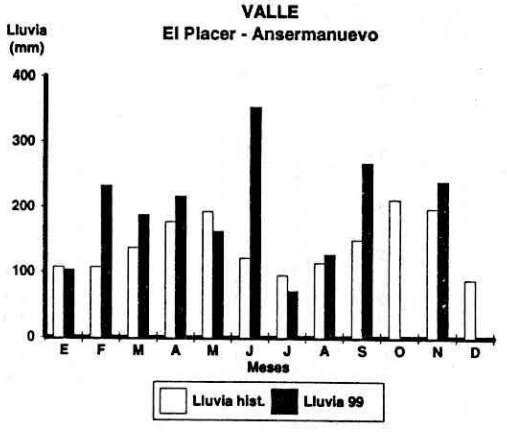
Latitud : 4 ° 48 'N
Longitud : 76 ° 6 'W
Altitud : 1730 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	5.0	0.0	0.0	20.0	10.0	0.0	21.0	22.0		0.0		
2	0.0	0.0	0.0	0.0	0.0	8.0	0.0	12.0	0.0		17.0		
3	0.0	0.0	0.0	10.0	7.0	0.0	0.0	0.0	0.0		0.0		
4	0.0	0.0	0.0	16.0	25.0	0.0	0.0	0.0	0.0		0.0		
5	0.0	0.0	0.0	0.0	11.0	40.0	38.0	0.0	0.0		0.0		
6	0.0	0.0	0.0	0.0	5.0	10.0	33.0	0.0	0.0		0.0		
7	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0		0.0		
8	8.0	0.0	0.0	30.0	18.0	0.0	0.0	0.0	25.0		0.0		
9	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	15.0		0.0		
10	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0		14.0		
11	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0		15.0		
12	10.0	0.0	0.0	0.0	26.0	15.0	0.0	0.0	0.0		0.0		
13	0.0	34.0	0.0	32.0	0.0	17.0	0.0	0.0	40.0		0.0		
14	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0		35.0		
15	20.0	10.0	0.0	0.0	0.0	0.0	0.0	20.0	23.0		0.0		
16	0.0	39.0	0.0	0.0	0.0	50.0	0.0	30.0	0.0		0.0		
17	0.0	65.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		55.0		
18	0.0	0.0	33.0	0.0	0.0	45.0	0.0	0.0	0.0		0.0		
19	0.0	0.0	51.0	0.0	0.0	60.0	0.0	0.0	0.0		14.0		
20	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		12.0		
21	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		20.0		
22	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		6.0		
23	15.0	15.0	0.0	20.0	0.0	0.0	0.0	0.0	20.0		20.0		
24	0.0	0.0	0.0	30.0	30.0	10.0	0.0	0.0	15.0		23.0		
25	0.0	0.0	0.0	0.0	0.0	20.0	0.0	9.0	20.0		8.0		
26	0.0	0.0	33.0	5.0	0.0	0.0	0.0	35.0	70.0		0.0		
27	0.0	14.0	50.0	0.0	0.0	25.0	0.0	0.0	17.0		0.0		
28	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0		
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0		
30	0.0		0.0	3.0	0.0	0.0	0.0	0.0	0.0		0.0		
31	0.0		0.0		20.0		0.0	0.0					
													Anual
Total	103.0	232.0	187.0	216.0	162.0	353.0	71.0	127.0	267.0		239.0		
Días LI.	6	9	5	10	9	15	2	6	10		12		


TOLIMA
Montefrío - Natagaima
Lluvia (mm)
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


TOLIMA
Tricontinental - Fresno
Lluvia (mm)
600
500
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


VALLE
Santa Marta - El Águila
Lluvia (mm)
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


VALLE
El Placer - Ansermanuevo
Lluvia (mm)
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99

Estación : BELLAVISTA
Año : 1999

Dpto. : VALLE
Mpio. : ANSERMANUEVO

Latitud : 4 ° 45 'N
Longitud : 76 ° 6 'W
Altitud : 1550 m

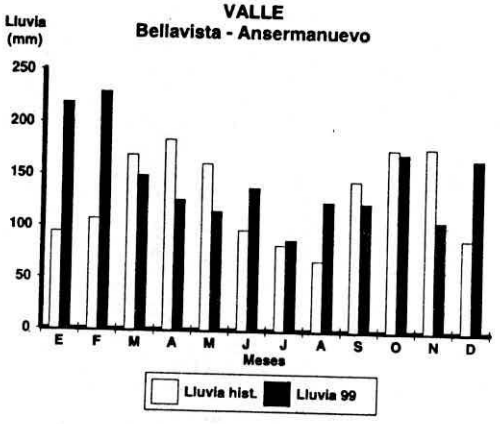
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	2.0	5.0	0.0	5.0	1.0	0.0	4.0	13.0	0.0	0.0	2.0	25.0	
2	4.0	1.0	0.0	1.0	3.0	3.0	7.0	0.0	0.0	0.0	3.0	15.0	
3	20.0	0.0	0.0	5.0	8.0	2.0	0.0	12.0	0.0	12.0	0.0	0.0	
4	11.0	4.0	0.0	6.0	10.0	4.0	0.0	0.0	0.0	0.0	0.0	14.0	
5	0.0	2.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	38.0	4.0	11.0	
6	0.0	8.0	0.0	8.0	20.0	0.0	2.0	6.0	9.0	6.0	0.0	8.0	
7	2.0	2.0	0.0	11.0	2.0	2.0	38.0	0.0	0.0	3.0	0.0	0.0	
8	6.0	0.0	0.0	14.0	2.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	
9	4.0	0.0	11.0	3.0	20.0	0.0	0.0	0.0	12.0	7.0	0.0	7.0	
10	28.0	0.0	0.0	4.0	3.0	4.0	0.0	0.0	0.0	4.0	6.0	0.0	
11	13.0	2.0	0.0	1.0	8.0	0.0	0.0	0.0	5.0	6.0	12.0	0.0	
12	0.0	0.0	0.0	5.0	10.0	0.0	2.0	10.0	2.0	21.0	2.0	10.0	
13	2.0	1.0	4.0	3.0	5.0	7.0	0.0	0.0	10.0	0.0	0.0	6.0	
14	1.0	5.0	18.0	1.0	3.0	7.0	0.0	0.0	7.0	0.0	7.0	10.0	
15	0.0	18.0	4.0	0.0	1.0	23.0	0.0	0.0	0.0	30.0	0.0	3.0	
16	0.0	50.0	0.0	0.0	0.0	32.0	3.0	0.0	17.0	0.0	2.0	2.0	
17	0.0	15.0	0.0	0.0	0.0	3.0	0.0	4.0	6.0	3.0	8.0	3.0	
18	0.0	10.0	5.0	1.0	0.0	16.0	0.0	0.0	0.0	3.0	12.0	7.0	
19	1.0	15.0	20.0	0.0	0.0	2.0	10.0	0.0	0.0	0.0	0.0	10.0	
20	40.0	12.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0	5.0	
21	10.0	10.0	8.0	5.0	0.0	0.0	0.0	0.0	16.0	2.0	2.0	7.0	
22	30.0	9.0	10.0	3.0	4.0	0.0	0.0	0.0	0.0	0.0	10.0	3.0	
23	10.0	18.0	4.0	7.0	5.0	0.0	22.0	0.0	3.0	3.0	15.0	8.0	
24	4.0	20.0	7.0	6.0	0.0	0.0	0.0	0.0	4.0	0.0	5.0	10.0	
25	2.0	1.0	0.0	8.0	0.0	0.0	0.0	0.0	3.0	3.0	4.0	0.0	
26	1.0	3.0	2.0	10.0	0.0	0.0	0.0	35.0	5.0	4.0	5.0	0.0	
27	2.0	10.0	4.0	9.0	0.0	15.0	0.0	45.0	17.0	15.0	0.0	0.0	
28	1.0	8.0	5.0	2.0	0.0	18.0	0.0	0.0	8.0	2.0	0.0	0.0	
29	10.0		15.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	
30	5.0		0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	
31	10.0		0.0		0.0		0.0	0.0		4.0		3.0	
													Anual
Total	219.0	229.0	149.0	126.0	115.0	138.0	88.0	125.0	124.0	172.0	107.0	167.0	1759.0
Días LI.	24	23	15	24	17	14	8	7	15	21	18	20	

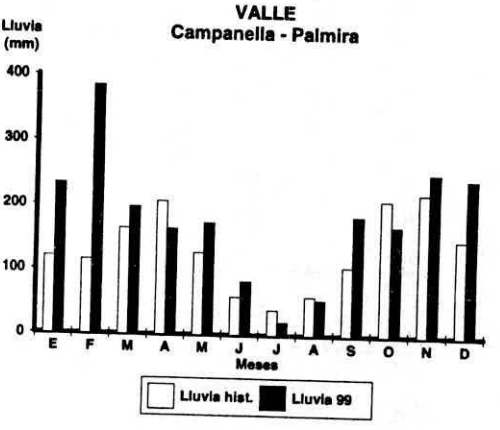
Estación : CAMPANELLA
Año : 1999

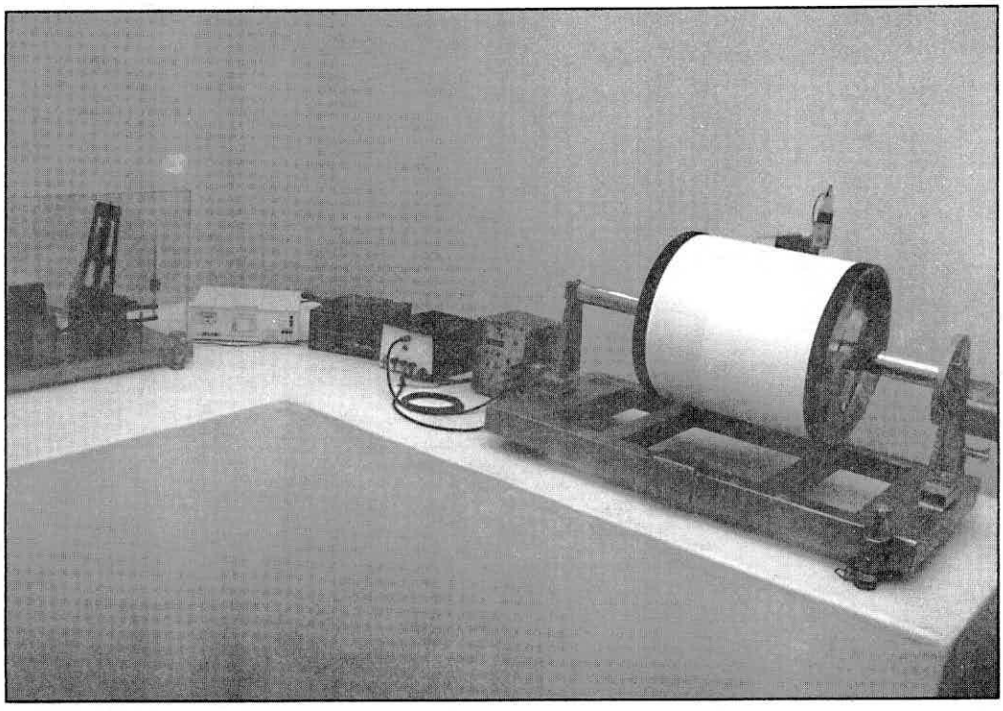
Dpto. : VALLE
Mpio. : PALMIRA

Latitud : 3 ° 29 'N
Longitud : 76 ° 12 'W
Altitud : 1550 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	10.0	10.0	0.0	0.0	3.0	0.0	0.0	5.0	3.0	0.0	0.0	
2	3.0	6.0	0.0	0.0	6.0	0.0	13.0	0.0	0.0	0.0	43.0	5.0	
3	4.0	0.0	30.0	6.0	0.0	0.0	3.0	0.0	0.0	3.0	4.0	2.0	
4	0.0	4.0	0.0	27.0	4.0	13.0	0.0	0.0	0.0	0.0	4.0	3.0	
5	5.0	51.0	0.0	6.0	56.0	0.0	0.0	0.0	0.0	17.0	0.0	9.0	
6	18.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	
7	30.0	0.0	16.0	0.0	28.0	18.0	3.0	1.0	0.0	0.0	0.0	5.0	
8	3.0	0.0	6.0	19.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	
9	32.0	0.0	2.0	4.0	6.0	2.0	0.0	0.0	13.0	0.0	0.0	19.0	
10	61.0	5.0	0.0	16.0	64.0	0.0	0.0	0.0	5.0	3.0	0.0	0.0	
11	2.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	16.0	2.0	0.0	2.0	
12	3.0	15.0	0.0	0.0	2.0	0.0	0.0	0.0	4.0	0.0	0.0	59.0	
13	0.0	0.0	0.0	0.0	0.0	2.0	0.0	9.0	49.0	0.0	0.0	0.0	
14	5.0	7.0	2.0	5.0	0.0	0.0	0.0	1.0	0.0	0.0	4.0	12.0	
15	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	25.0	0.0	
16	0.0	65.0	3.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	4.0	7.0	
17	4.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	81.0	0.0	
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	
19	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	
20	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	20.0	0.0	20.0	6.0	
21	0.0	26.0	8.0	0.0	0.0	0.0	0.0	21.0	2.0	3.0	0.0	9.0	
22	0.0	6.0	72.0	0.0	0.0	0.0	0.0	3.0	0.0	10.0	5.0	4.0	
23	0.0	20.0	0.0	0.0	0.0	4.0	0.0	0.0	5.0	0.0	7.0	80.0	
24	0.0	53.0	0.0	5.0	0.0	2.0	0.0	12.0	4.0	0.0	8.0	10.0	
25	17.0	0.0	0.0	26.0	2.0	2.0	0.0	1.0	29.0	2.0	25.0	0.0	
26	22.0	22.0	0.0	23.0	0.0	2.0	0.0	0.0	14.0	43.0	3.0	0.0	
27	0.0	23.0	3.0	0.0	0.0	8.0	0.0	7.0	0.0	9.0	0.0	0.0	
28	24.0	21.0	5.0	0.0	0.0	2.0	1.0	0.0	14.0	0.0	0.0	0.0	
29	0.0		0.0	27.0	0.0	0.0	0.0	0.0	4.0	65.0	3.0	0.0	
30	0.0		7.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	7.0	9.0	
31	0.0		7.0		0.0		0.0	0.0		0.0		0.0	
													Anual
Total	233.0	384.0	197.0	164.0	173.0	83.0	20.0	55.0	184.0	170.0	251.0	243.0	2157.0
Días LI.	15	18	15	11	9	14	4	8	14	14	17	17	


VALLE
Bellavista - Ansermanuevo
Lluvia (mm)
250
200
150
100
50
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99


VALLE
Campanella - Palmira
Lluvia (mm)
400
300
200
100
0
E F M A M J J A S O N D
Meses
Lluvia hist.
Lluvia 99



ESTACION SISMOLOGICA

ACTIVIDAD SISMICA REGISTRADA EN LA ESTACION DE CENICAFE CHINCHINA – CALDAS - COLOMBIA, DURANTE EL AÑO 1999

Origen del sismo	Fecha	Coordenadas		Magnitud*
Eje Cafetero	Enero 25	04º 41' N	75º 56' W	5.8
Colombia	Enero 25	04º 34' N	75º 61' W	5.4
Cartagena, Barranquilla	Marzo 18	09º 91' N	73º 60' W	4.8
Venezuela	Marzo 30	10º 79' N	70º 42' W	5.2
Santander, Boyacá	Abril 14	06º 77' N	72º 93' W	4.9
Nueva Bretaña	Mayo 10	05º 18' S	151º 04' E	5.3
Indonesia	Mayo 16	02º 66' S	138º 31' E	5.5
Quetame - Guayabetal	Junio 1º	04º 40' N	73º 78' W	4.5
México	Junio 15	18º 41' N	97º 27' W	6.7
Guerrero, México	Junio 21	18º 34' N	101º 39' W	4.2
Guatemala	Julio 11	15º 79' N	88º 17' W	5.3
Antioquia	Julio 17	06º 72' N	72º 97' W	4.7
Sativasur, Boyacá	Julio 17	06º 37' N	72º 52' W	4.9
Turquía	Agosto 17	40º 74' N	29º 86' E	7.8
Costa Rica	Agosto 20	09º 26' N	84º 17' W	6.7
Bolivia	Septiembre 15	20º 50' S	67º 17' W	5.8
Taiwan	Septiembre 18	23º 55' N	121º 01' E	7.4
Chile	Septiembre 29	30º 76' S	71º 90' W	5.6
Oaxaca, México	Septiembre 30	16º 08' N	96º 80' W	6.5
Taiwan	Octubre 22	23º 43' N	120º 32' E	5.6
Santander	Noviembre 8	06º 79' N	72º 84' W	5.3
Chile	Noviembre 21	21º 49' S	68º 75' W	6.1
Perú	Noviembre 27	14º 29' S	71º 25' W	6.0
Norte de Chile	Noviembre 30	18º 81' S	69º 10' W	6.6
Mar Caribe	Diciembre 1º	17º 59' N	82º 36' W	5.0
Venezuela	Diciembre 2	10º 76' N	70º 41' W	4.9
Mar Caribe	Diciembre 15	17º 15' N	85º 23' W	4.9
Nueva Bretaña	Diciembre 15	05º 84' S	151º 10' E	5.4
Indonesia	Diciembre 21	06º 78' S	105º 47' E	6.4
Perú	Diciembre 25	06º 14' S	75º 20' W	5.8
Panamá	Diciembre 28	05º 65' N	82º 51' W	5.5

- Escala de Richter (0 a 9 grados)

"El martes de esta semana culminaron las labores de instalación de una moderna estación sismológica en la granja agrícola de Chinchiná. Los trabajos se habían iniciado desde mediados de 1947, pero solo en este año con la adquisición de la totalidad de los implementos, ha sido posible dar al servicio la planta. Las tareas de instalación fueron dirigidas desde el comienzo por el sacerdote jesuita R.P. Jesús E. Ramírez G., actual director del Instituto Geográfico de los Andes Colombianos en Bogotá y la mayor cifra científica en cuestión de geología de Colombia. La planta es pertenencia de la Federación Nacional de Cafeteros quien no ha escatimado dinero para que ella sea dotada suficientemente".

De esta manera registraba El Colombiano del martes 5 de abril de 1949 la instalación sismológica de Chinchiná; 50 años después la Federación Nacional de Cafeteros de Colombia sigue contribuyendo a la investigación científica en el país, registrando, analizando y reportando eventos sísmicos de todo el mundo. Muchas cosas han cambiado y el informe de los sismos se hace a través de Internet.