

# ANUARIO METEOROLÓGICO CAFETERO

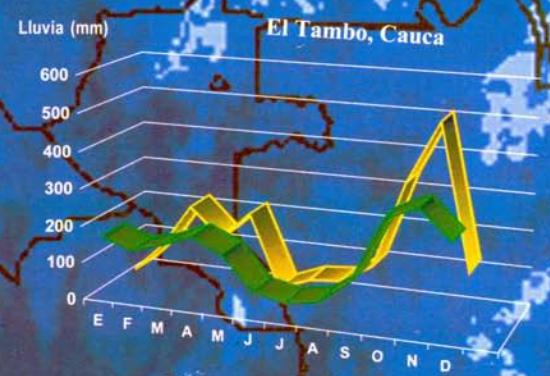
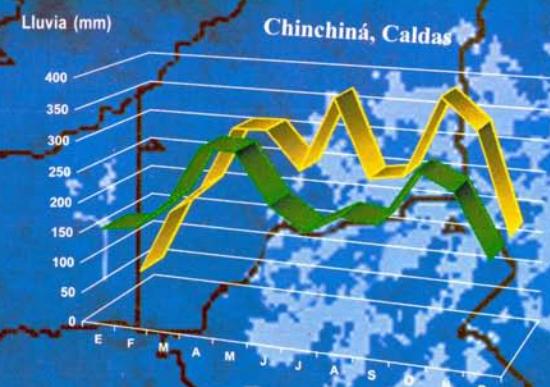
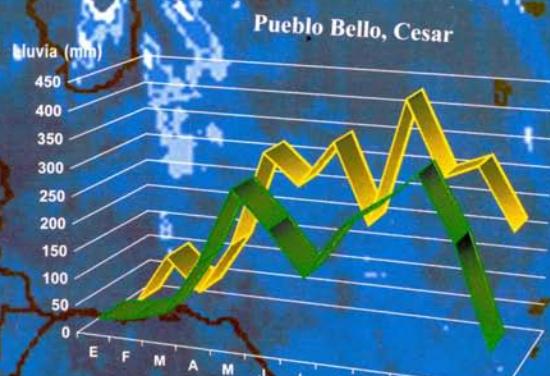
## 1998



Federación Nacional de  
Cafeteros de Colombia

**Cenicafé**

CENTRO NACIONAL DE INVESTIGACIONES DE CAFÉ  
"Pedro Uribe Mejía"



■ histórico ■ 1998

# **ANUARIO METEOROLOGICO CAFETERO 1998**



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





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FEDERACION NACIONAL DE CAFETEROS DE COLOMBIA. CENTRO  
NACIONAL DE INVESTIGACIONES DE CAFE. CENICAFE.  
Chinchiná (Colombia). Anuario Meteorológico Cafetero 1998. Chinchiná  
(Colombia), CENICAFE, 1999. 517 p.

V1.- 1950.

**FEDERACION NACIONAL DE CAFETEROS DE COLOMBIA**

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

**DISCIPLINA DE AGROCLIMATOLOGIA**

**ANUARIO  
METEOROLOGICO CAFETERO  
1998**

**Se canjea con publicaciones de la misma índole**

**DIRECCION**

**CENICAFE, Chinchiná, Caldas, Colombia**

**ADDRESS**

*La información de este Anuario fue compilada por los investigadores de CENICAFE, Orlando Guzmán Martínez, Alvaro Jaramillo Robledo y José Vicente Baldión Rincón 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, Carlos Roldán Osorio, 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 1998 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<sup>2</sup> 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 Urine 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:

$$e = E_1 - A_p (t - t_1)$$

donde:

- e = tensión del vapor actual en milibares  
E<sub>1</sub> = tensión del vapor de saturación a la temperatura t<sub>1</sub>,  
A<sub>p</sub> = constante psicrométrica (en función del aparato y de la presión atmosférica)  
t = temperatura del termómetro seco en °C  
t<sub>1</sub> = 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 1998 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 METEOROLÓGICO**

Se presentaron algunas novedades durante el año 1998 en relación con el funcionamiento de la red meteorológica, así:

## **Estaciones climatológicas principales suspendidas.**

En el mes de diciembre se suspendió definitivamente la estación Llanadas (Marquetalia, Caldas).

## **Estaciones climatológicas principales nuevas.**

Se instalaron dos estaciones, así:

- Vírgen de Oro (Támesis, Antioquia) en el mes de enero.
- Irco Dosaguas (Chaparral, Tolima) en el mes de diciembre/97.

## **Estaciones heliopluviográficas nuevas:**

En el mes de julio se instaló la estación La Rocallosa (Armenia, Quindío).

## **Estaciones pluviográficas nuevas:**

En el mes de mayo se instaló la estación la Margarita (Palestina, Caldas).

## **Estaciones pluviométricas nuevas.**

<b>Departamento</b>	<b>Municipio</b>	<b>Nombre</b>
Antioquia	Fredonia	La Blanquita (enero)
Antioquia	Fredonia	Santa Cruz (enero)

## 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.

Estación	Municipio	Departamento	Latitud Norte	Longitud Oeste	Altitud m	Corriente	Ecotopo
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#### 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
Virgen de Oro	Támesis	Antioquia	05° 42'	75° 42'	1.656	La Virgen	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	Veneza	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

Estación	Municipio	Departamento	Latitud Norte	Longitud Oeste	Altitud m	Corriente	Ecotopo
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
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 Pinos	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
Frutilliflora	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	Consola	209A
Hiroshima	Pereira	Risaralda	04° 46'	75° 44'	1.340	Consola	209A
La Catalina	Pereira	Risaralda	04° 45'	75° 45'	1.350	Consola	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 Paralso	Calarcá	Quindío	04° 29'	75° 42'	1.400	Quindío	210A
La 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

Estación	Municipio	Departamento	Latitud Norte	Longitud Oeste	Altitud m	Corriente	Ecotopo
La Argentina	La Tebaida	Quindío	04° 26'	75° 47'	1.150	La Vieja	210A
Mónaco	Córdoba	Quindío	04° 25'	75° 42'	1.300	Río verde	210A
Paraguaicito	Buenavista	Quindío	04° 23'	75° 44'	1.250	Río verde	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
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	Piedamó	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
Villarez	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	Guarín	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
Llanedas	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	Guall	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
Tolarito	Alvarado	Tolima	04° 40'	75° 01'	1.250	Totaré	208B
Janiyof	Anzoátegui	Tolima	04° 38'	75° 06'	1.720	Totaré	208B
La Primavera	Ibagué	Tolima	04° 25'	75° 15'	1.300	Combeima	209B
El Recreo	Ortega	Tolima	04° 03'	75° 19'	1.520	Opaní	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
Ircó Dosaguas	Chaparral	Tolima	03° 39'	75° 37'	1.210		210B
Monteirlo	Natagaima	Tolima	03° 29'	75° 16'	1.500	Patá	211B
Los Andes	Planadas	Tolima	03° 11'	75° 37'	1.500	Altá	211B
Corrales	Teruel	Huila	02° 43'	75° 33'	1.450	Yaguará	212B

Estación	Municipio	Departamento	Latitud Norte	Longitud Oeste	Altitud m	Corriente	Ecotopo
<b>CORDILLERA ORIENTAL - VERTIENTE OCCIDENTAL</b>							
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	Frio	302A
Miporal	Floridablanca	Santander	07° 05'	73° 04'	1.200	Frio	302A
La Loma	Floridablanca	Santander	07° 04'	73° 04'	1.400	Frio	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
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	Puenle Nacional	Santander	05° 52'	73° 42'	1.650	Suárez	308A
San Pedro	Caparrapí	Cundinamarca	05° 30'	74° 28'	1.400	Azauncha	309A
Montellbano	Yacopí	Cundinamarca	05° 28'	74° 22'	1.340	Chirche	309A
El Porvenir	Yacopí	Cundinamarca	05° 26'	74° 18'	1.400	La Mina	310A
Las Acacias	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 Paralso	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
Icall	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	Bajarrón	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

Estación	Municipio	Departamento	Latitud Norte	Longitud Oeste	Altitud m	Corriente	Ecotopo
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° 20'	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 Sanlander	08° 25'	73° 20'	1.320	Calatumbo	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	Acañas	Meta	03° 58'	73° 36'	380	Acañas	308B
Santa Helena	San Carlos Guaroa	Meta	03° 50'	73° 20'	280	Acañas	308B

#### 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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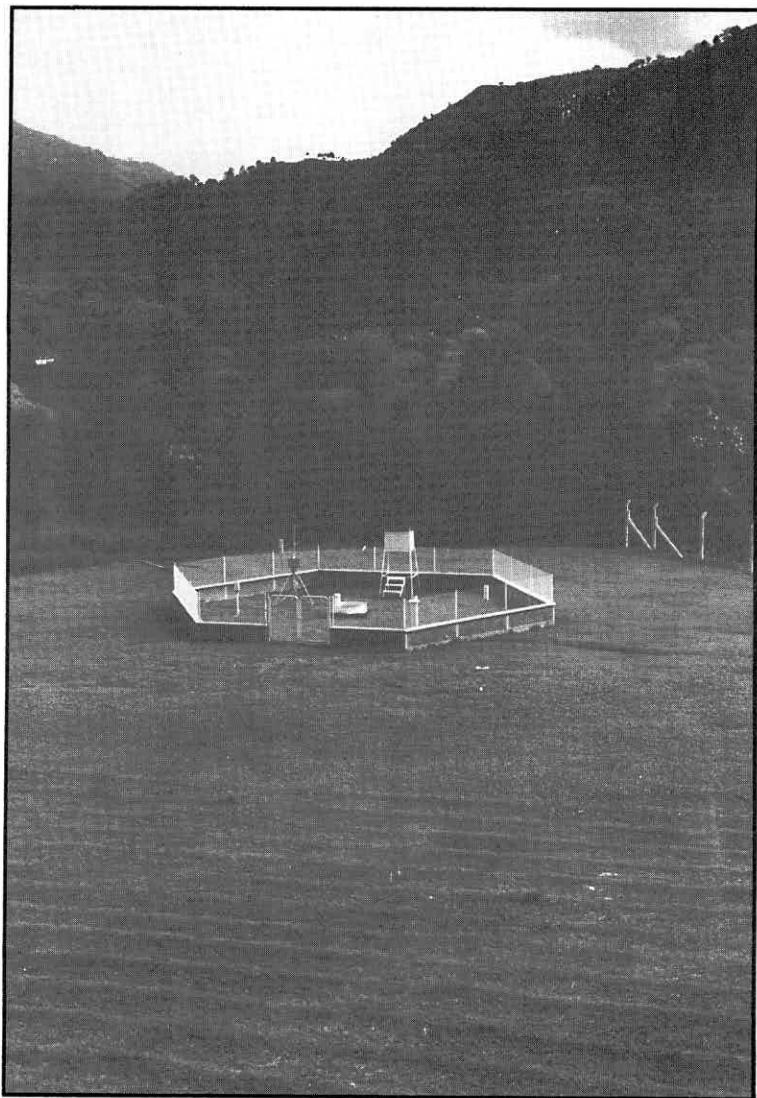
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## **ESTACIONES PRINCIPALES**



Estación : COCORNA  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : COCORNA

Latitud : 6 ° 4'N  
Longitud : 75 ° 12'W  
Altitud : 1344 m

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín.	Máx	Med		Día	Noche	Total	
1	19.0	26.4	21.7	88.0	.5	0.0	.5	4.6
2	18.8	27.0	22.0	82.7	0.0	0.0	0.0	7.8
3	17.5	28.5	22.3	71.0	0.0	0.0	0.0	10.1
4	16.8	29.6	22.6	74.3	0.0	0.0	0.0	10.5
5	17.6	28.5	22.3	85.7	0.0	0.0	0.0	8.7
6	19.0	26.6	22.0	84.0	16.7	36.3	53.0	5.3
7	17.0	25.2	21.1	88.7	0.0	0.0	0.0	6.1
8	18.1	27.0	21.5	86.3	0.0	1.2	1.2	9.2
9	18.0	26.6	21.7	89.7	0.0	0.0	0.0	7.5
10	18.8	25.8	21.5	90.3	0.0	0.0	0.0	4.3
11	19.5	27.7	22.2	86.7	1.8	2.2	4.0	6.6
12	19.5	25.0	21.3	89.7	1.5	0.0	1.5	3.0
13	19.0	26.8	23.1	84.0	.2	15.6	15.8	7.3
14	18.8	26.0	21.3	87.0	0.0	5.4	5.4	4.0
15	19.5	26.0	22.2	89.7	0.0	.8	.8	5.6
16	19.8	25.0	20.8	95.3	.3	0.0	.3	.8
17	18.2	26.8	22.6	85.3	0.0	21.1	21.1	6.4
18	17.8	27.0	23.0	84.7	0.0	.3	.3	9.3
19	18.5	27.4	22.8	82.7	0.0	.9	.9	8.2
20	19.2	25.6	21.7	87.3	0.0	0.0	0.0	4.4
21	18.5	28.8	23.4	84.0	0.0	0.0	0.0	9.8
22	20.3	27.5	23.7	85.7	0.0	.4	.4	6.7
23	20.0	28.0	24.0	84.0	0.0	24.2	24.2	9.2
24	19.0	26.2	22.2	89.3	10.1	0.0	10.1	4.5
25	18.8	27.8	22.8	84.7	0.0	.4	.4	8.9
26	18.1	28.0	22.2	82.7	0.0	0.0	0.0	9.8
27	19.8	27.0	23.1	86.7	0.0	20.7	20.7	5.0
28	18.8	23.5	20.3	94.7	1.1	0.0	1.1	1.0
29	19.1	27.0	22.8	84.3	0.0	10.2	10.2	8.7
30	19.8	26.0	22.2	87.7	8.2	.6	8.8	3.7
31	19.5	27.5	23.2	85.0	0.0	15.9	15.9	3.9
Total :					40.4	156.2	196.6	200.9
Promedio :	18.8	26.8	22.2	85.9				
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín.	Máx	Med		Día	Noche	Total	
1	19.0	26.9	22.6	86.0	1.8	0.0	1.8	6.4
2	19.4	29.8	23.8	79.3	0.0	0.0	0.0	8.1
3	19.5	28.5	23.8	84.7	0.0	.6	.6	6.5
4	19.8	26.0	22.3	90.7	3.9	7.1	11.0	3.3
5	20.0	24.8	22.4	92.3	0.0	.2	.2	.8
6	19.8	25.3	21.7	88.0	0.0	0.0	0.0	3.6
7	19.5	24.0	21.4	91.7	.4	9.0	9.4	0.0
8	19.0	21.0	19.6	97.0	19.7	10.2	29.9	0.0
9	18.0	22.0	19.7	94.0	12.5	4.4	16.9	.1
10	17.2	20.0	18.4	97.0	3.4	7.6	11.0	0.0
11	17.5	23.0	19.7	94.0	.7	5.6	6.3	.8
12	19.0	25.1	21.8	90.0	0.0	.6	.6	3.9
13	19.4	26.0	22.2	90.3	.3	30.5	30.8	4.6
14	17.8	25.8	21.8	83.7	0.0	7.2	7.2	4.1
15	18.8	26.6	22.8	85.7	1.4	0.0	1.4	5.6
16	18.0	28.5	22.8	75.3	0.0	0.0	0.0	10.5
17	17.6	30.5	23.0	68.3	0.0	0.0	0.0	10.7
18	18.2	28.5	23.7	84.0	0.0	26.6	26.6	7.9
19	18.6	28.0	23.4	84.0	0.0	0.0	0.0	8.9
20	18.8	26.8	22.9	86.0	0.0	0.0	0.0	5.7
21	19.0	27.2	22.8	92.7	0.0	.1	.1	5.1
22	19.6	27.0	23.3	85.3	0.0	0.0	0.0	7.0
23	19.0	25.5	22.2	87.7	0.0	0.0	0.0	1.5
24	18.2	26.8	21.8	83.3	.3	.4	.7	2.9
25	19.7	28.0	23.0	84.7	.3	0.0	.3	6.3
26	19.2	28.7	22.7	89.3	0.0	0.0	0.0	7.0
27	20.2	27.5	23.4	83.7	0.0	7.4	7.4	7.6
28	18.6	27.0	22.6	86.0	0.0	0.0	0.0	5.1
29								
30								
31								
Total :					44.7	117.5	162.2	134.0
Promedio :	18.9	26.2	22.2	87.0				

Estación : COCOPA  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : COCOPA

Latitud : 6 ° 4'N  
Longitud : 75 ° 12'W  
Altitud : 1344 m

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.5	27.2	23.2	78.7	0.0	13.0	13.0	5.5
2	18.2	25.5	22.0	89.7	.2	0.0	.2	5.0
3	20.0	28.0	22.7	80.7	0.0	0.0	0.0	5.7
4	19.0	27.6	23.4	84.0	0.0	0.0	0.0	6.9
5	20.5	27.2	23.4	85.3	0.0	4.5	4.5	6.6
6	18.6	28.2	23.3	82.0	0.0	1.9	1.9	6.2
7	19.0	27.0	22.2	87.0	0.0	22.0	22.0	3.2
8	18.2	27.6	23.0	84.3	0.0	0.0	0.0	8.3
9	18.6	27.5	20.9	89.3	.7	0.0	.7	2.8
10	19.0	28.0	23.0	84.0	0.0	0.0	0.0	5.5
11	18.4	27.7	22.7	84.3	0.0	0.0	0.0	5.0
12	18.5	26.5	22.5	86.0	0.0	0.0	0.0	5.6
13	18.0	26.0	22.7	83.0	0.0	.4	.4	4.4
14	19.9	26.4	21.5	88.3	.2	2.2	2.4	1.6
15	19.2	25.5	22.1	84.0	6.5	10.3	16.8	3.5
16	19.0	24.5	21.8	86.3	3.3	14.3	17.6	1.1
17	18.4	26.9	23.3	82.7	0.0	0.0	0.0	7.3
18	19.3	28.0	23.6	83.3	0.0	9.8	9.8	6.0
19	17.8	27.2	23.2	81.3	0.0	0.0	0.0	5.0
20	18.8	27.5	23.0	83.7	1.9	5.6	7.5	4.8
21	18.5	24.2	21.4	93.0	11.1	0.0	11.1	2.1
22	19.8	27.2	22.4	83.7	0.0	31.7	31.7	5.0
23	17.0	23.4	20.4	92.3	.3	6.5	6.8	.1
24	18.6	26.6	22.0	86.0	4.9	11.1	16.0	4.0
25	18.7	26.5	22.2	88.0	0.0	6.3	6.3	2.7
26	19.8	26.2	22.4	87.7	0.0	38.9	38.9	.6
27	18.0	24.8	21.7	91.0	0.0	10.2	10.2	.7
28	18.5	25.4	21.7	91.7	5.1	0.0	5.1	1.0
29	18.8	24.3	20.7	95.3	.2	0.0	.2	2.5
30	19.2	24.5	20.8	92.7	13.6	.6	14.2	0.0
31	18.5	24.0	20.7	88.3	6.0	9.2	15.2	1.3
Total :					54.0	198.5	252.5	
Promedio :	18.8	26.4	22.3	86.3				120.0

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.5	27.4	23.0	83.3	0.0	26.2	26.2	4.4
2	19.9	25.0	21.2	95.0	5.1	1.5	6.6	2.3
3	18.5	27.0	22.0	88.7	0.0	.9	.9	1.3
4	19.7	27.4	22.9	84.0	2.6	.3	2.9	5.3
5	18.5	27.5	23.5	84.3	0.0	6.1	6.1	7.5
6	19.5	24.4	21.2	92.0	2.5	4.5	7.0	.4
7	19.0	25.5	21.8	91.3	3.9	.9	4.8	2.6
8	20.1	27.5	23.2	84.7	0.0	0.0	0.0	5.5
9	19.0	27.8	23.2	81.3	0.0	11.0	11.0	7.1
10	18.0	28.0	23.0	80.7	0.0	2.1	2.1	7.9
11	19.6	26.3	22.5	80.0	0.0	1.2	1.2	1.5
12	19.0	26.4	22.8	84.3	0.0	8.1	8.1	4.9
13	19.4	23.5	21.0	94.7	11.8	29.1	40.9	.3
14	18.5	24.3	21.3	89.7	0.0	0.0	0.0	0.0
15	17.0	27.8	22.8	82.3	0.0	33.9	33.9	7.7
16	19.8	26.5	21.7	91.7	0.0	43.9	43.9	2.8
17	19.6	27.5	23.5	86.0	0.0	62.4	62.4	6.3
18	19.0	26.4	22.8	86.3	0.0	0.0	0.0	5.4
19	19.3	22.5	20.8	94.0	5.8	0.0	5.8	0.0
20	19.0	26.6	22.8	83.0	14.1	2.6	16.7	3.2
21	19.6	27.5	23.0	83.3	0.0	8.8	8.8	5.0
22	19.2	27.0	23.1	82.0	0.0	49.5	49.5	7.2
23	18.9	26.5	22.9	81.3	0.0	7.1	7.1	1.5
24	19.4	26.8	21.8	85.3	4.2	7.0	11.2	3.3
25	18.2	27.5	22.8	80.7	0.0	12.6	12.6	7.7
26	17.9	23.4	20.4	85.3	1.6	0.0	1.6	.4
27	17.9	27.0	22.8	80.0	0.0	3.9	3.9	6.3
28	19.8	27.2	22.6	83.7	3.3	6.6	9.9	4.6
29	18.4	27.4	23.2	81.3	0.0	22.9	22.9	5.7
30	18.8	27.8	22.8	81.7	0.0	15.1	15.1	8.2
Total :					54.9	368.2	423.1	
Promedio :	19.0	26.4	22.4	85.4				126.3

Estación : COCORNA  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : COCORNA

Latitud : 6 ° 4'N  
Longitud : 75 ° 12'W  
Altitud : 1344 m

Mayo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.6	26.2	21.0	72.0	15.6	15.7	31.3	2.6
2	17.1	26.6	21.3	79.0	1.5	5.4	6.9	4.0
3	18.6	24.6	21.5	84.0	1.8	22.1	23.9	1.5
4	18.0	24.2	20.4	91.0	3.6	7.0	10.6	.6
5	17.8	24.0	20.5	88.7	.1	0.0	.1	.5
6	18.0	24.8	20.8	83.7	.8	.1	.9	1.1
7	17.6	24.0	20.6	85.3	1.5	10.1	11.6	1.1
8	17.4	26.2	21.8	82.7	0.0	.1	.1	5.4
9	19.2	27.0	21.8	86.3	0.0	0.0	0.0	5.4
10	18.2	28.2	23.8	76.0	.1	23.1	23.2	9.0
11	18.0	27.4	23.2	77.7	0.0	80.3	80.3	5.4
12	17.4	26.0	21.3	79.7	2.8	0.0	2.8	2.2
13	17.8	28.0	22.8	76.3	0.0	0.0	0.0	9.6
14	18.6	27.2	23.8	78.0	.5	24.1	24.6	6.4
15	17.8	27.8	22.1	78.3	0.0	0.0	0.0	.5
16	18.8	28.0	23.7	72.7	0.0	9.3	9.3	9.3
17	19.4	25.8	22.2	85.7	0.0	21.7	21.7	2.7
18	18.6	27.8	22.5	82.7	0.0	0.0	0.0	4.3
19	19.2	25.8	22.2	72.7	0.0	0.0	0.0	7.9
20	17.2	27.7	22.2	73.7	0.0	4.6	4.6	9.7
21	19.0	29.0	22.8	76.0	0.0	2.3	2.3	8.7
22	18.4	27.8	23.6	80.0	0.0	.7	.7	8.5
23	19.4	24.8	22.2	86.7	.2	0.0	.2	0.0
24	18.0	27.8	22.8	79.0	0.0	0.0	0.0	5.3
25	19.4	27.8	23.2	81.7	0.0	68.6	68.6	7.2
26	17.8	25.0	21.5	84.0	0.0	113.0	113.0	2.2
27	17.6	27.0	20.9	84.7	27.5	49.3	76.8	6.2
28	17.2	25.1	20.0	87.3	11.0	4.6	15.6	3.8
29	17.4	24.0	20.8	85.0	0.0	.6	.6	.4
30	17.6	26.2	22.2	79.3	0.0	.4	.4	4.5
31	17.8	27.2	22.3	82.3	0.0	21.5	21.5	7.5
Total :					67.0	484.6	551.6	
Promedio :	18.1	26.4	22.0	81.0				143.5

Junio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.4	24.8	20.9	83.3	.2	35.4	35.6	3.6
2	17.0	26.2	22.0	82.0	0.0	20.6	20.6	8.8
3	16.6	25.5	20.4	85.7	.6	0.0	.6	4.5
4	16.8	25.6	21.7	80.7	0.0	6.6	6.6	9.0
5	18.0	26.8	22.6	73.3	0.0	1.1	1.1	8.3
6	17.8	28.2	22.6	76.3	0.0	9.4	9.4	8.8
7	18.2	25.4	21.7	85.3	0.0	1.2	1.2	2.8
8	18.8	25.8	21.4	83.3	.1	.8	.9	4.0
9	17.8	26.2	22.1	82.3	0.0	30.5	30.5	7.8
10	16.8	27.0	21.6	78.3	0.0	0.0	0.0	9.1
11	18.0	28.2	23.3	77.3	.7	0.0	.7	7.6
12	18.8	27.6	22.4	77.7	0.0	0.0	0.0	7.9
13	18.9	27.6	21.6	78.7	0.0	0.0	0.0	4.9
14	18.6	27.8	23.2	80.0	0.0	18.2	18.2	8.6
15	17.6	24.2	21.1	84.7	0.0	5.1	5.1	.8
16	17.4	25.6	20.6	84.3	0.0	0.0	0.0	6.0
17	17.2	26.2	21.3	78.7	0.0	8.7	8.7	5.1
18	18.2	27.5	22.4	77.3	0.0	72.8	72.8	7.0
19	16.6	27.2	22.2	75.3	1.1	3.1	4.2	8.7
20	17.0	26.8	22.0	77.7	0.0	4.3	4.3	8.3
21	18.2	27.6	23.0	73.0	0.0	14.0	14.0	8.7
22	17.0	25.0	20.8	83.0	.1	5.5	5.6	4.2
23	17.8	26.8	20.3	78.7	5.7	0.0	5.7	3.8
24	15.8	26.4	21.4	82.3	0.0	0.0	0.0	8.8
25	19.0	28.3	23.2	73.0	0.0	0.0	0.0	9.0
26	18.0	28.6	23.0	74.0	0.0	3.7	3.7	9.1
27	18.4	26.0	22.0	81.0	0.0	0.0	0.0	2.4
28	17.6	26.6	21.6	78.3	.2	3.6	3.8	7.8
29	16.6	25.6	20.3	84.3	0.0	0.0	0.0	1.8
30	15.8	28.0	21.5	70.0	0.0	0.0	0.0	10.2
31								
Total :					8.7	244.6	253.3	
Promedio :	17.6	26.6	21.8	79.3				197.4

Estación : COCORNA  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : COCORNA

Latitud : 6 ° 4'N  
Longitud : 75 ° 12'W  
Altitud : 1344 m

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	28.8	22.7	70.0	0.0	0.0	0.0	10.1
2	17.2	28.0	22.0	70.3	0.0	1.3	1.3	7.3
3	17.0	27.8	22.8	73.7	0.0	10.8	10.8	8.0
4	17.4	26.4	21.2	83.3	.2	52.8	53.0	6.4
5	16.4	23.2	19.4	91.7	3.0	26.6	29.6	.6
6	17.6	25.2	21.0	81.3	0.0	8.0	8.0	5.1
7	17.0	25.0	20.8	84.7	.1	33.9	34.0	4.7
8	16.4	26.0	20.7	83.0	0.0	10.3	10.3	6.8
9	17.2	25.8	21.1	82.3	4.3	.3	4.6	5.6
10	17.0	26.2	21.6	78.3	0.0	0.0	0.0	5.2
11	17.8	26.6	21.6	80.7	0.0	.1	.1	6.3
12	17.2	27.0	21.8	79.3	0.0	0.0	0.0	9.0
13	17.8	26.2	21.9	78.7	0.0	0.0	0.0	8.7
14	17.4	26.6	21.8	74.7	3.2	5.7	8.9	6.3
15	16.6	26.4	21.7	79.7	0.0	18.2	18.2	8.2
16	16.2	25.6	20.8	81.7	0.0	26.5	26.5	6.3
17	17.0	26.0	21.6	81.0	0.0	9.5	9.5	7.9
18	17.2	25.6	21.0	84.7	0.0	50.3	50.3	6.0
19	16.9	24.6	20.8	82.3	0.0	.5	.5	5.1
20	15.4	27.6	21.9	71.0	0.0	0.0	0.0	10.5
21	17.6	28.8	21.9	74.0	0.0	31.4	31.4	8.0
22	16.4	25.4	20.4	86.7	9.4	0.0	9.4	3.0
23	16.3	26.6	22.0	78.3	.7	16.9	17.6	8.6
24	17.8	26.4	21.6	82.3	0.0	0.0	0.0	7.4
25	17.9	25.4	21.2	83.7	0.0	32.9	32.9	4.3
26	17.0	26.6	21.6	82.3	0.0	13.9	13.9	7.9
27	17.8	26.4	21.9	81.7	0.0	20.0	20.0	6.2
28	16.8	25.8	21.6	82.0	7.0	44.6	51.6	5.9
29	17.1	27.4	22.2	74.7	0.0	13.0	13.0	8.8
30	17.0	26.4	21.3	81.3	0.0	0.0	0.0	6.4
31	17.4	26.4	21.4	77.7	0.0	0.0	0.0	4.3
Total :					27.9	436.5	464.4	204.9
Promedio :	17.1	26.3	21.5	79.9				
Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.2	26.4	21.2	81.7	0.0	0.0	0.0	5.4
2	17.0	27.0	22.3	73.3	0.0	0.0	0.0	9.0
3	17.5	25.5	21.8	77.7	0.0	0.0	0.0	3.3
4	17.8	27.2	22.8	80.7	0.0	32.4	32.4	6.3
5	17.2	26.4	22.1	79.7	0.0	8.8	8.8	3.7
6	17.4	25.4	21.1	83.3	0.0	8.3	8.3	4.9
7	16.4	25.0	20.5	81.0	0.0	5.4	5.4	2.3
8	16.2	25.6	20.4	82.7	0.0	0.0	0.0	7.4
9	18.0	26.6	22.2	79.0	0.0	8.1	8.1	9.6
10	16.6	26.2	21.4	78.3	0.0	0.0	0.0	7.2
11	17.0	28.2	22.9	89.7	0.0	0.0	0.0	7.9
12	18.0	26.8	21.6	73.3	1.6	0.0	1.6	6.1
13	16.0	27.6	22.0	76.3	0.0	0.0	0.0	8.9
14	17.8	27.0	22.9	77.3	0.0	21.4	21.4	9.6
15	16.2	24.0	19.3	84.0	.3	.1	.4	2.2
16	15.6	25.2	19.8	82.7	0.0	1.5	1.5	6.5
17	17.8	26.4	21.3	82.0	0.0	5.3	5.3	6.5
18	15.8	26.0	21.4	79.3	0.0	31.0	31.0	8.8
19	16.6	26.0	20.3	81.0	.1	34.5	34.6	4.0
20	16.3	25.2	20.6	83.3	.7	8.6	9.3	5.7
21	17.2	25.0	20.8	84.7	0.0	1.4	1.4	6.0
22	18.0	27.0	22.6	79.0	0.0	.2	.2	8.5
23	17.2	25.4	21.4	83.0	0.0	.8	.8	9.5
24	18.2	27.0	22.8	79.3	0.0	1.2	1.2	8.6
25	17.0	25.0	20.3	89.3	.5	36.6	37.1	2.5
26	16.6	25.1	20.9	82.7	0.0	12.0	12.0	4.7
27	17.8	25.4	21.5	83.7	0.0	.7	.7	5.3
28	17.4	28.0	22.4	76.7	0.0	4.8	4.8	9.7
29	18.2	26.6	22.8	77.0	1.0	29.0	30.0	6.1
30	17.2	26.4	21.8	79.7	4.2	0.0	4.2	4.8
31	17.7	25.8	21.5	80.3	.1	.3	.4	5.1
Total :					8.5	252.4	260.9	196.1
Promedio :	17.1	26.1	21.5	80.1				

Estación : COCORNA  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : COCORNA

Latitud : 6 ° 4'N  
Longitud : 75 ° 12'W  
Altitud : 1344 m

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	26.8	22.0	77.3	0.0	8.1	8.1	7.5
2	17.4	25.8	21.3	83.0	1.5	40.3	41.8	5.1
3	17.0	25.2	20.4	83.3	2.7	39.9	42.6	5.4
4	16.2	26.4	21.8	81.7	0.0	16.3	16.3	8.7
5	16.4	25.8	20.6	80.7	0.0	.2	.2	7.8
6	18.4	27.6	22.7	80.3	0.0	6.9	6.9	9.7
7	17.4	27.4	22.3	80.3	0.0	37.0	37.0	6.2
8	17.0	23.0	19.5	91.3	3.5	13.0	16.5	1.1
9	17.6	26.2	21.6	82.7	0.0	.3	.3	7.3
10	18.0	25.5	21.4	80.7	.5	24.3	24.8	4.4
11	15.4	25.0	20.2	81.7	0.0	4.3	4.3	5.1
12	15.2	25.2	20.5	80.7	0.0	0.0	0.0	6.7
13	15.6	24.6	20.2	81.3	0.0	43.9	43.9	.7
14	16.4	27.0	21.7	74.7	.1	18.1	18.2	6.5
15	16.8	26.6	21.0	73.0	.2	4.1	4.3	6.4
16	17.6	26.9	21.4	80.7	0.0	0.0	0.0	7.3
17	19.0	26.8	22.0	75.0	0.0	3.8	3.8	7.2
18	17.8	27.8	22.1	73.7	0.0	3.8	3.8	7.4
19	17.2	26.8	22.0	76.7	0.0	0.0	0.0	6.9
20	17.0	27.4	22.4	76.3	0.0	14.8	14.8	8.5
21	18.6	26.6	21.8	84.0	0.0	8.2	8.2	4.5
22	17.0	25.4	20.2	86.0	1.7	6.9	8.6	2.4
23	16.8	26.2	20.0	81.7	10.8	60.3	71.1	5.0
24	16.2	25.2	20.6	84.7	0.0	14.4	14.4	4.6
25	17.2	26.2	21.5	83.0	0.0	16.3	16.3	7.0
26	16.0	25.4	20.8	79.7	.2	33.0	33.2	6.9
27	16.8	25.6	20.6	80.0	0.0	4.3	4.3	6.4
28	17.2	26.2	22.1	80.7	0.0	25.2	25.2	8.3
29	16.7	26.6	22.0	80.3	0.0	0.0	0.0	9.2
30	18.0	28.8	23.6	73.0	0.0	31.7	31.7	8.5
31								
Total					21.2	479.4	500.6	188.7
Promedio					17.1	26.2	21.3	80.3
Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.2	26.4	22.4	78.3	.4	0.0	.4	0.0
2	17.6	27.0	22.0	75.7	0.0	4.6	4.6	7.7
3	17.5	26.4	22.0	81.3	0.0	45.2	45.2	7.5
4	16.0	25.8	21.5	80.0	0.0	7.4	7.4	7.6
5	17.8	26.8	21.8	81.7	0.0	21.0	21.0	7.5
6	16.6	26.0	21.1	77.3	0.0	2.9	2.9	5.0
7	17.0	25.8	21.2	81.3	4.6	96.4	101.0	4.1
8	16.2	26.8	21.0	77.7	5.8	28.9	34.7	6.8
9	17.0	24.6	21.0	87.0	0.0	0.0	0.0	1.8
10	18.2	25.2	21.4	81.0	0.0	0.0	0.0	6.7
11	17.3	27.7	22.8	80.0	0.0	11.4	11.4	8.5
12	17.6	26.8	22.1	79.3	0.0	44.0	44.0	7.7
13	15.6	25.4	19.9	80.7	6.9	7.9	14.8	2.6
14	16.6	25.7	20.8	80.7	19.8	2.9	22.7	6.8
15	16.2	26.6	21.8	76.0	0.0	10.5	10.5	9.4
16	16.6	23.8	20.1	85.3	0.0	.1	.1	1.2
17	17.5	27.6	22.0	79.7	0.0	29.1	29.1	8.1
18	16.8	25.2	20.5	80.0	0.0	8.0	8.0	4.4
19	17.8	24.9	20.3	84.3	1.1	3.1	4.2	5.5
20	17.2	24.8	20.4	83.0	0.0	12.5	12.5	2.6
21	17.0	23.0	19.6	87.3	.8	3.6	4.4	.8
22	16.2	25.4	19.4	91.0	7.9	0.0	7.9	4.5
23	16.0	26.2	20.5	87.0	3.5	10.3	13.8	3.7
24	17.1	25.4	19.8	84.7	10.0	20.4	30.4	5.6
25	16.9	24.8	19.7	82.0	7.0	3.7	10.7	3.6
26	17.0	26.2	21.4	82.0	0.0	5.4	5.4	6.7
27	17.1	26.0	20.8	81.0	12.1	40.5	52.6	6.2
28	17.6	25.0	20.8	84.7	20.8	6.8	27.6	3.1
29	16.6	24.8	20.0	89.3	5.1	.1	5.2	4.6
30	18.0	26.0	21.0	82.3	0.0	27.1	27.1	3.3
31	18.0	25.2	20.6	83.0	1.0	16.1	17.1	3.8
Total					106.8	469.9	576.7	157.4
Promedio					17.1	25.7	21.0	82.1

Estación : COCORNA  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : COCORNA

Latitud : 6 ° 4'N  
Longitud : 75 ° 12'W  
Altitud : 1344 m

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	26.6	21.7	82.3	0.0	45.2	45.2	8.7
2	18.0	26.0	21.8	80.7	.1	31.5	31.6	6.9
3	17.2	25.8	20.2	84.3	13.5	16.6	30.1	5.7
4	17.2	24.7	21.0	84.3	0.0	47.6	47.6	2.6
5	17.0	25.8	20.9	83.7	7.7	9.1	16.8	6.6
6	16.9	24.6	20.5	83.0	1.9	7.4	9.3	2.4
7	17.4	24.0	20.4	84.7	0.0	2.0	2.0	3.5
8	18.0	25.8	20.4	84.0	1.4	.5	1.9	6.5
9	17.2	26.8	21.0	81.0	7.7	22.1	29.8	6.1
10	17.2	25.4	21.5	84.3	1.3	12.9	14.2	7.3
11	16.6	26.4	21.7	76.3	.4	1.9	2.3	9.0
12	18.0	25.8	21.6	84.0	0.0	5.9	5.9	3.9
13	17.8	24.4	20.4	86.0	2.1	33.0	35.1	1.8
14	17.2	25.2	20.8	83.0	.2	35.4	35.6	4.7
15	17.6	24.4	20.7	85.3	0.0	12.3	12.3	2.2
16	16.8	25.4	20.4	85.0	.5	11.0	11.5	5.3
17	16.6	25.6	21.2	82.0	0.0	0.0	0.0	1.9
18	17.6	25.8	21.6	84.3	0.0	2.0	2.0	6.9
19	18.6	25.5	21.6	79.3	0.0	25.1	25.1	5.3
20	17.2	24.8	20.8	83.0	0.0	6.8	6.8	2.3
21	16.6	25.4	20.3	83.3	1.5	19.5	21.0	1.0
22	16.8	23.6	19.5	84.0	9.5	10.0	19.5	.1
23	16.4	24.8	19.4	77.7	.1	3.9	4.0	3.6
24	16.5	23.0	19.5	88.7	3.5	2.7	6.2	.6
25	16.8	22.6	19.0	86.7	10.0	20.0	30.0	.9
26	16.0	23.8	19.3	86.0	10.3	.4	10.7	.2
27	17.4	23.6	19.6	88.7	.5	73.4	73.9	1.8
28	16.0	20.4	18.0	88.7	5.0	1.3	6.3	.1
29	17.0	24.8	20.6	82.3	0.0	0.0	0.0	6.1
30	17.2	25.0	20.8	80.7	0.0	0.0	0.0	6.1
31								
Total :					77.2	459.5	536.7	120.1
Promedio :	17.1	24.9	20.5	83.6				

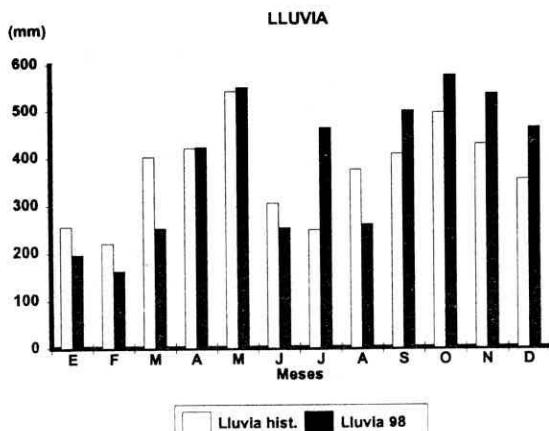
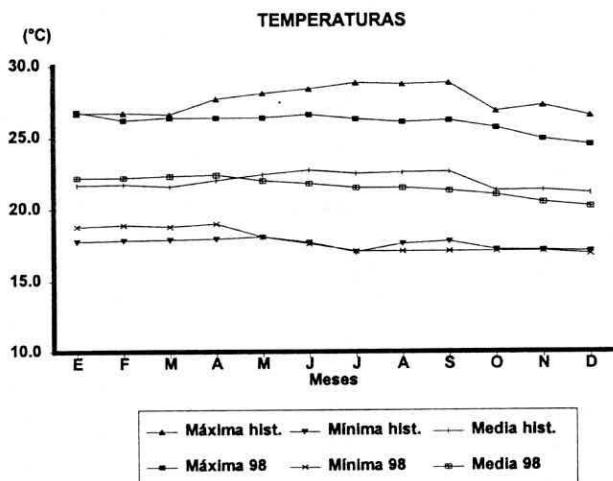
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	25.0	21.0	76.3	0.0	6.4	6.4	5.1
2	16.8	23.0	18.7	90.3	5.5	1.7	7.2	1.0
3	16.4	24.8	20.2	87.0	0.0	57.3	57.3	3.8
4	17.2	25.0	20.5	83.3	4.0	9.5	13.5	5.4
5	18.0	26.0	20.5	90.3	3.2	7.6	10.8	3.9
6	17.0	25.0	20.0	86.3	22.9	4.0	26.9	1.8
7	17.6	24.2	19.4	89.3	3.4	3.1	6.5	1.6
8	17.0	23.8	20.5	86.0	0.0	47.4	47.4	3.2
9	16.8	24.2	20.0	87.0	13.1	.5	13.6	3.4
10	18.0	24.6	20.7	87.3	5.5	6.6	12.1	4.3
11	17.8	22.8	20.0	90.0	3.0	24.4	27.4	1.5
12	16.8	25.2	20.6	82.0	.6	54.4	55.0	5.8
13	17.8	23.6	20.2	84.7	0.0	1.1	1.1	2.7
14	17.4	25.2	21.6	83.0	0.0	30.1	30.1	7.7
15	17.1	26.0	21.1	81.0	0.0	0.0	0.0	3.7
16	17.8	24.6	20.4	87.0	0.0	.5	.5	.5
17	18.2	24.6	20.1	85.0	.1	4.7	4.8	1.6
18	16.4	24.4	20.2	85.7	0.0	3.3	3.3	2.5
19	16.8	28.4	21.8	78.0	0.0	4.1	4.1	9.8
20	17.0	25.8	21.8	81.0	.3	30.5	30.8	6.5
21	17.8	23.8	18.6	94.7	1.6	2.6	4.2	1.2
22	16.0	24.0	19.6	81.0	.1	0.0	.1	5.5
23	15.0	25.2	21.0	79.7	0.0	23.5	23.5	8.2
24	17.2	22.8	19.0	81.3	0.0	0.0	0.0	.3
25	16.2	22.6	19.3	83.7	.6	0.0	.6	.1
26	16.6	24.2	19.9	81.7	.5	5.0	5.5	2.4
27	15.0	24.8	20.6	79.3	0.0	3.7	3.7	2.3
28	16.8	23.4	20.0	79.7	0.0	.3	.3	1.6
29	17.2	23.0	19.6	90.7	.3	0.0	.3	1.6
30	16.0	23.2	19.0	91.7	2.2	0.0	2.2	2.2
31	16.2	26.0	21.4	79.3	0.0	66.0	66.0	9.0
Total :					66.9	398.3	465.2	110.2
Promedio :	16.9	24.5	20.2	84.6				

Estación : COCORNA  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : COCORNA

Latitud : 6 ° 4' N  
Longitud : 75 ° 12' W  
Altitud : 1344 m

MES	TEMPERATURA °C					PRECIPITACION			
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	18.8	26.8	22.2	29.6	16.8	85.9	196.6	21	200.9
Febrero	18.9	26.2	22.2	30.5	17.2	87.0	162.2	18	134.0
Marzo	18.8	26.4	22.3	28.2	17.0	86.3	252.5	23	120.0
Abril	19.0	26.4	22.4	28.0	17.0	85.4	423.1	27	126.3
Mayo	18.1	26.4	22.0	29.0	17.1	81.0	551.6	25	143.5
Junio	17.6	26.6	21.8	28.6	15.8	79.3	253.3	21	197.4
Julio	17.1	26.3	21.5	28.8	15.4	79.9	464.4	23	204.9
Agosto	17.1	26.1	21.5	28.2	15.6	80.1	260.9	24	196.1
Septiembre	17.1	26.2	21.3	28.8	15.2	80.3	500.6	26	188.7
Octubre	17.1	25.7	21.0	27.7	15.6	82.1	576.7	29	157.4
Noviembre	17.1	24.9	20.5	26.8	16.0	83.6	536.7	27	120.1
Diciembre	16.9	24.5	20.2	28.4	15.0	84.6	465.2	29	110.2
Promedio :	17.8	26.0	21.6			83.0			
Absoluta :				30.5	15.0				
Total :							4643.8	293	1899.5



Estación : EL ROSARIO  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : VENECIA

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.4	26.5	22.2	68.7	0.0	0.0	0.0	6.1
2	18.0	29.8	22.9	64.3	0.0	0.0	0.0	9.6
3	18.4	30.7	24.1	66.0	0.0	0.0	0.0	9.9
4	18.3	31.9	24.5	56.7	0.0	0.0	0.0	10.9
5	18.6	31.5	22.4	66.7	.4	0.0	.4	9.1
6	18.8	29.5	22.8	71.7	0.0	.5	.5	6.0
7	18.8	28.0	20.4	85.7	2.8	0.0	2.8	6.7
8	18.5	29.7	22.8	70.7	0.0	0.0	0.0	10.4
9	18.0	28.8	22.0	71.3	0.0	0.0	0.0	10.3
10	18.1	28.0	21.9	73.0	0.0	0.0	0.0	6.4
11	18.5	30.0	23.8	66.7	0.0	0.0	0.0	9.5
12	19.0	27.0	23.0	72.7	1.6	0.0	1.6	3.8
13	17.6	29.6	20.4	80.3	27.2	0.0	27.2	7.1
14	18.6	28.5	22.3	76.0	.2	0.0	.2	2.8
15	18.0	28.9	22.2	79.3	6.8	0.0	6.8	7.7
16	18.6	28.2	22.5	73.0	0.0	0.0	0.0	7.4
17	18.8	28.8	22.8	68.7	0.0	0.0	0.0	5.7
18	18.0	30.5	23.0	64.0	0.0	0.0	0.0	10.7
19	18.6	29.7	23.8	68.7	0.0	0.0	0.0	10.4
20	18.9	25.5	21.5	81.0	.3	0.0	.3	2.8
21	19.0	31.2	24.5	60.7	0.0	0.0	0.0	8.5
22	18.3	30.5	24.1	68.3	0.0	0.0	0.0	10.3
23	19.0	30.0	24.6	62.0	0.0	0.0	0.0	9.2
24	19.1	28.5	23.0	72.0	0.0	0.0	0.0	5.5
25	18.5	29.5	23.6	62.0	0.0	0.0	0.0	10.0
26	18.6	31.2	24.2	62.0	0.0	0.0	0.0	9.7
27	19.0	29.8	23.8	67.3	.2	0.0	.2	6.3
28	18.8	25.0	21.3	82.7	0.0	0.0	0.0	2.1
29	17.6	30.8	24.0	65.7	0.0	0.0	0.0	8.6
30	19.5	28.0	22.7	71.0	.7	0.0	.7	4.3
31	19.4	31.6	24.1	65.3	0.0	0.0	0.0	7.1
Total :	18.6	29.3	22.9	69.8	40.2	.5	40.7	234.9
Promedio :								
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.8	31.2	23.6	65.3	.2	0.0	.2	8.3
2	19.8	32.7	24.5	62.7	0.0	0.0	0.0	7.7
3	20.8	28.5	24.6	65.7	0.0	0.0	0.0	4.1
4	19.6	29.5	23.6	73.0	0.0	0.0	0.0	5.2
5	19.5	27.5	23.4	72.3	0.0	2.1	2.1	2.5
6	18.4	25.0	22.0	77.3	0.0	3.7	3.7	1.5
7	18.1	27.5	20.6	84.7	2.8	.3	3.1	2.2
8	17.5	20.2	18.0	93.7	21.6	5.4	27.0	.1
9	17.0	23.0	19.4	86.0	1.6	.1	1.7	.2
10	17.7	26.0	21.2	74.0	0.0	0.0	0.0	2.3
11	18.0	25.0	21.3	75.7	0.0	0.0	0.0	1.1
12	18.5	26.5	22.2	76.3	0.0	0.0	0.0	1.9
13	18.6	27.3	21.8	74.0	7.9	1.2	9.1	5.8
14	17.1	27.8	21.2	77.3	.2	3.4	3.6	5.7
15	18.0	29.0	23.7	69.0	0.0	0.0	0.0	7.2
16	19.0	31.0	24.9	55.0	0.0	0.0	0.0	10.4
17	18.8	31.8	25.1	48.7	0.0	0.0	0.0	9.9
18	19.5	30.6	24.0	61.7	1.5	0.0	1.5	9.4
19	19.0	29.7	23.7	63.0	0.0	0.0	0.0	8.2
20	18.2	29.5	23.2	65.0	0.0	0.0	0.0	6.7
21	19.2	28.5	22.4	74.0	.3	.6	.9	4.7
22	17.2	28.4	22.6	73.0	0.0	11.1	11.1	6.9
23	17.8	24.6	20.8	80.3	0.0	0.0	0.0	1.0
24	18.4	27.0	21.0	74.0	7.4	0.0	7.4	4.0
25	18.2	30.8	24.2	63.0	0.0	0.0	0.0	10.5
26	19.4	28.5	22.8	68.7	0.0	0.0	0.0	9.6
27	19.1	29.5	24.2	63.7	0.0	10.3	10.3	7.4
28	17.0	29.2	21.8	72.3	24.5	0.0	24.5	7.1
Total :	—	—	—	—	68.0	38.2	106.2	151.6
Promedio :	18.5	28.1	22.6	71.1				

Estación : EL ROSARIO  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : VENECIA

Latitud : 5 ° 58'N  
Longitud : 75 ° 13'W  
Altitud : 1600 m

Marzo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.8	29.2	21.8	76.0	11.9	1.0	12.9	8.1
2	18.0	24.7	20.9	79.3	.1	0.0	.1	2.2
3	18.0	29.2	24.4	61.7	0.0	0.0	0.0	9.7
4	19.0	29.5	22.4	70.0	9.7	0.0	9.7	7.9
5	18.0	27.2	22.8	74.7	0.0	0.0	0.0	4.4
6	18.2	29.2	22.8	75.3	5.3	0.0	5.3	7.8
7	17.2	25.5	20.7	87.0	2.0	7.1	9.1	1.3
8	17.0	27.0	20.8	83.7	4.6	1.0	5.6	4.9
9	18.0	26.5	21.6	76.7	2.8	0.0	2.8	2.8
10	18.2	27.8	21.8	73.0	3.8	0.0	3.8	4.5
11	18.5	28.5	22.2	72.3	13.1	0.0	13.1	8.6
12	17.2	28.4	23.0	62.0	0.0	0.0	0.0	7.4
13	17.5	29.5	22.8	63.0	0.0	0.0	0.0	8.3
14	18.1	28.4	21.0	74.3	3.0	0.0	3.0	7.0
15	18.1	27.5	21.9	73.0	0.0	0.0	0.0	6.3
16	19.5	27.6	22.8	71.0	0.0	0.0	0.0	3.8
17	18.8	29.0	22.8	72.7	0.0	0.0	0.0	7.6
18	19.2	30.0	24.2	67.0	0.0	0.0	0.0	7.7
19	19.4	30.4	24.0	65.7	0.0	0.0	0.0	7.2
20	19.0	27.4	21.6	79.7	.6	0.0	.6	1.5
21	18.0	28.5	22.6	72.7	0.0	0.0	0.0	6.1
22	17.9	30.0	21.7	75.0	17.3	25.1	42.4	7.0
23	16.5	23.5	19.8	86.0	.8	0.0	.8	.2
24	18.0	24.8	21.0	74.0	.2	0.0	.2	.9
25	18.2	29.0	22.8	69.0	0.0	0.0	0.0	5.1
26	16.8	26.6	22.0	78.3	2.6	56.1	58.7	2.3
27	16.0	26.0	20.4	79.3	21.7	1.2	22.9	2.9
28	16.8	25.2	19.9	80.7	.3	0.0	.3	1.8
29	17.3	27.5	21.8	70.3	3.6	37.6	41.2	6.7
30	17.4	22.0	19.1	87.7	18.4	0.0	18.4	.1
31	18.0	26.5	20.2	81.0	44.0	0.0	44.0	3.3
Total :					165.8	129.1	294.9	155.4
Promedio :	18.0	27.5	21.9	74.6				

Abril	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.4	29.5	22.4	72.3	.3	5.7	6.0	9.6
2	18.0	22.2	20.2	88.0	13.9	0.0	13.9	.5
3	17.0	25.5	19.4	84.0	21.6	.6	22.2	1.7
4	16.4	26.0	20.4	85.3	0.0	0.0	0.0	2.0
5	17.4	28.4	22.1	70.7	0.0	2.8	2.8	6.9
6	18.7	25.6	21.1	89.3	.2	31.2	31.4	1.1
7	17.8	26.0	21.6	79.3	0.0	1.3	1.3	4.2
8	19.2	27.5	23.0	74.3	0.0	0.0	0.0	6.3
9	20.2	26.5	22.5	82.7	0.0	0.0	0.0	3.8
10	18.6	27.5	21.8	81.0	2.7	2.1	4.8	6.2
11	17.2	22.5	18.8	93.3	12.3	0.0	12.3	.1
12	17.0	25.5	20.8	82.7	1.8	0.0	1.8	2.9
13	18.0	22.3	19.4	92.7	4.4	9.5	13.9	0.0
14	17.6	26.0	21.2	79.7	3.8	0.0	3.8	2.0
15	18.2	28.0	22.8	71.7	0.0	2.4	2.4	8.0
16	19.2	25.2	21.2	87.3	4.3	0.0	4.3	3.4
17	19.4	28.8	22.0	78.3	5.1	.9	6.0	7.7
18	18.2	26.6	20.6	89.0	1.2	.1	1.3	4.3
19	18.3	24.6	21.0	85.3	.3	17.7	18.0	1.3
20	17.5	25.0	20.2	82.0	21.2	0.0	21.2	2.5
21	18.4	25.6	21.1	80.0	22.4	7.8	30.2	2.5
22	18.4	28.0	22.0	72.3	1.6	0.0	1.6	7.6
23	19.1	25.8	22.2	80.7	0.0	4.7	4.7	0.0
24	17.8	25.0	20.5	84.0	1.9	10.2	12.1	1.9
25	17.1	27.4	21.3	72.3	.8	8.7	9.5	7.9
26	18.0	24.0	19.7	88.0	9.9	.3	10.2	1.1
27	17.6	27.0	21.7	75.3	0.0	0.0	0.0	5.0
28	18.2	25.8	20.8	75.7	5.5	2.2	7.7	2.6
29	17.8	27.2	21.2	75.7	4.3	1.2	5.5	4.8
30	19.0	26.6	21.5	81.0	7.1	.7	7.8	3.5
31								
Total :					146.6	110.1	256.7	111.4
Promedio :	18.1	26.1	21.1	81.1				

Estación : EL ROSARIO  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : VENECIA

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

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	26.0	19.6	84.0	11.1	25.4	36.5	2.1
2	16.1	26.8	19.8	74.7	2.5	19.2	21.7	6.4
3	17.3	22.6	18.2	89.0	12.7	11.7	24.4	.2
4	16.6	23.4	19.0	91.3	11.3	40.1	51.4	.7
5	16.2	23.2	19.6	81.7	.5	.3	.8	1.0
6	17.6	23.4	20.1	80.0	0.0	2.4	2.4	.7
7	17.4	26.8	21.4	70.0	0.0	0.0	0.0	6.0
8	17.6	26.0	21.6	80.3	0.0	0.0	0.0	2.3
9	18.3	26.8	21.8	74.3	.6	0.0	.6	7.4
10	17.4	25.6	22.5	69.7	.4	0.0	.4	7.2
11	18.6	26.8	22.4	77.0	0.0	58.3	58.3	2.5
12	16.4	21.6	18.7	89.0	1.2	0.0	1.2	0.0
13	17.6	28.0	22.9	65.0	0.0	0.0	0.0	9.6
14	18.0	27.4	23.0	77.0	0.0	9.8	9.8	7.3
15	18.6	24.6	21.4	64.7	0.0	0.0	0.0	0.0
16	18.3	28.2	21.9	73.7	2.4	0.0	2.4	9.4
17	19.1	27.4	21.4	79.0	6.1	9.2	15.3	6.8
18	17.8	26.8	21.5	83.0	.3	7.4	7.7	4.5
19	17.2	27.2	22.0	76.7	0.0	.3	.3	9.5
20	18.2	28.4	23.4	71.0	0.0	0.0	0.0	0.0
21	19.0	28.2	22.8	74.7	0.0	10.0	10.0	8.5
22	18.6	28.0	23.8	67.7	0.0	0.0	0.0	9.6
23	19.1	22.8	20.3	89.7	0.0	0.0	0.0	0.0
24	17.4	26.8	21.0	83.3	0.0	1.6	1.6	4.0
25	19.2	25.4	21.0	87.3	.1	40.8	40.9	1.5
26	16.6	24.5	20.0	83.3	1.0	50.7	51.7	2.3
27	16.8	24.6	18.8	85.7	37.9	40.8	78.7	1.8
28	15.6	23.6	18.6	82.0	8.7	56.1	64.8	2.1
29	16.2	22.8	18.4	86.0	24.1	1.7	25.8	.2
30	16.3	24.4	20.1	84.0	.2	0.0	.2	2.2
31	17.4	26.0	20.9	73.7	1.7	2.6	4.3	5.4
Total :					122.8	388.4	511.2	
Promedio :	17.5	25.6	20.9	79.0			130.2	

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.2	23.6	18.9	80.0	8.4	0.0	8.4	.3
2	16.6	25.8	19.6	82.3	2.0	5.4	7.4	4.3
3	16.4	25.4	19.3	83.7	6.5	0.0	6.5	4.8
4	16.6	25.2	20.8	77.3	0.0	0.0	0.0	6.7
5	17.2	26.6	20.8	78.3	.2	0.0	.2	6.2
6	17.1	26.0	21.6	79.7	0.0	0.0	0.0	8.1
7	17.3	25.8	20.7	82.7	0.0	8.6	8.6	3.0
8	17.1	26.0	19.6	83.0	1.7	4.9	6.6	4.9
9	16.3	25.7	21.4	74.7	0.0	7.9	7.9	6.7
10	16.2	26.8	21.8	74.0	0.0	0.0	0.0	11.0
11	18.0	27.4	22.2	73.7	0.0	0.0	0.0	8.3
12	17.2	26.6	22.2	74.0	0.0	0.0	0.0	9.1
13	18.3	26.4	22.3	62.7	0.0	0.0	0.0	5.7
14	17.9	25.6	22.2	73.3	0.0	42.1	42.1	6.0
15	15.8	24.2	19.4	80.7	0.0	33.9	33.9	0.0
16	16.0	24.8	18.7	85.0	12.1	2.2	14.3	5.5
17	15.2	25.2	20.7	77.3	0.0	0.0	0.0	6.2
18	18.2	26.4	21.3	77.3	0.0	5.8	5.8	4.5
19	16.6	27.2	21.0	72.0	0.0	2.4	2.4	7.7
20	16.2	25.4	20.8	69.7	.7	1.3	2.0	7.0
21	17.0	25.4	20.7	80.0	0.0	4.9	4.9	5.3
22	17.3	24.2	20.1	84.0	1.0	.1	1.1	3.5
23	17.1	23.8	19.0	79.7	8.4	2.2	10.6	2.7
24	16.1	25.8	21.7	70.7	0.0	0.0	0.0	10.0
25	17.6	28.0	22.8	60.0	0.0	0.0	0.0	8.8
26	18.0	27.4	23.0	65.7	0.0	0.0	0.0	9.4
27	18.2	25.0	20.8	80.0	.9	.6	1.5	.9
28	17.4	24.6	20.7	78.7	.6	15.6	16.2	2.4
29	16.8	25.0	21.4	68.7	0.0	0.0	0.0	3.3
30	16.2	27.4	22.6	52.3	0.0	0.0	0.0	10.7
Total :					42.5	137.9	180.4	
Promedio :	17.0	25.8	20.9	75.4			173.0	

Estación : EL ROSARIO  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : VENECIA

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

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín.	Máx.	Med.		Día	Noche	Total	
1	18.4	28.0	23.2	56.0	0.0	0.0	0.0	9.6
2	18.1	27.2	22.7	64.0	0.0	0.0	0.0	7.6
3	17.0	25.8	20.0	77.0	2.3	.9	3.2	5.8
4	16.3	23.0	19.1	88.0	.4	30.6	31.0	1.6
5	16.0	20.4	18.3	90.7	.8	1.7	2.5	1.2
6	16.2	24.2	19.4	83.7	5.8	46.3	52.1	2.1
7	16.0	24.0	19.6	82.0	0.0	18.2	18.2	2.8
8	15.6	24.4	19.8	81.3	.3	5.6	5.9	5.8
9	16.0	24.0	19.8	78.0	.5	2.0	2.5	4.8
10	16.8	25.6	20.4	75.0	2.0	0.0	2.0	6.5
11	17.0	26.0	20.0	75.0	.7	0.0	.7	9.1
12	16.2	26.4	21.6	71.7	0.0	0.0	0.0	9.8
13	17.3	26.2	22.0	67.0	0.0	0.0	0.0	9.2
14	17.2	25.6	19.4	75.7	.8	.5	1.3	3.4
15	16.0	26.8	19.4	76.7	25.2	8.6	33.8	8.3
16	15.6	24.6	19.8	75.7	0.0	27.7	27.7	8.1
17	16.4	25.2	18.8	76.7	8.6	11.9	20.5	5.2
18	16.2	23.8	19.0	83.3	.1	20.4	20.5	4.2
19	15.0	24.6	17.4	88.0	36.9	5.3	42.2	5.8
20	15.4	26.6	21.3	71.0	0.0	0.0	0.0	11.3
21	16.2	26.8	21.8	62.7	0.0	0.0	0.0	8.2
22	17.4	23.4	20.4	70.0	1.1	0.0	1.1	2.8
23	16.8	25.6	21.4	72.3	0.0	15.2	15.2	9.6
24	16.4	24.8	19.8	81.3	0.0	0.0	0.0	5.2
25	16.9	24.4	20.2	76.0	0.0	2.7	2.7	5.0
26	16.3	26.0	20.4	72.7	.8	0.0	.8	5.1
27	16.4	25.5	20.8	76.7	0.0	.3	.3	5.9
28	16.8	24.2	19.4	86.0	3.5	25.2	28.7	4.3
29	15.6	25.8	21.4	71.7	.3	6.3	6.6	10.0
30	17.0	25.0	19.4	81.0	5.4	0.0	5.4	4.5
31	16.6	24.0	20.8	75.0	0.0	0.0	0.0	4.2
Total :					95.5	229.4	324.9	186.0
Promedio :	16.5	25.1	20.2	76.2				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín.	Máx.	Med.		Día	Noche	Total	
1	17.2	26.2	21.6	70.0	0.0	0.0	0.0	7.8
2	17.8	27.8	23.0	67.3	0.0	0.0	0.0	10.5
3	17.3	25.4	21.0	69.7	0.0	0.0	0.0	4.0
4	18.2	26.4	22.4	67.7	0.0	.1	.1	6.1
5	17.2	25.2	20.9	78.3	0.0	11.7	11.7	2.9
6	16.3	23.8	19.7	84.7	.2	15.8	16.0	2.6
7	15.4	23.0	18.6	83.0	1.2	8.9	10.1	3.1
8	15.2	23.8	19.4	75.0	0.0	0.0	0.0	5.4
9	16.2	26.8	21.1	74.3	.2	1.4	1.6	8.9
10	17.0	25.6	19.5	75.3	2.0	35.7	37.7	7.1
11	16.1	25.8	20.8	72.3	0.0	0.0	0.0	9.2
12	17.2	26.6	21.3	72.7	.3	1.0	1.3	9.5
13	15.0	26.0	20.8	76.0	0.0	.5	.5	7.5
14	17.1	25.6	20.5	74.7	0.0	57.4	57.4	4.5
15	15.0	21.6	17.9	80.0	1.8	0.0	1.8	.2
16	16.1	23.6	19.1	78.7	3.0	0.0	3.0	3.7
17	16.4	24.0	18.5	84.7	2.1	1.4	3.5	6.1
18	15.3	26.6	20.6	66.0	0.0	31.7	31.7	8.9
19	13.2	25.0	19.3	77.0	0.0	4.2	4.2	2.5
20	16.1	23.4	19.2	83.7	3.8	16.4	20.2	1.6
21	14.4	24.2	19.0	79.0	3.5	0.0	3.5	7.3
22	17.2	26.2	20.6	74.7	0.0	0.0	0.0	6.4
23	16.2	26.6	22.2	71.3	0.0	0.0	0.0	10.0
24	17.3	27.8	21.1	65.7	0.0	0.0	0.0	7.9
25	16.2	25.6	19.4	74.7	3.8	24.9	28.7	2.7
26	15.1	21.8	18.3	88.7	6.5	25.9	32.4	2.6
27	16.3	24.0	20.0	80.7	0.0	0.0	0.0	4.1
28	16.8	26.8	22.2	68.0	0.0	0.0	0.0	11.1
29	17.2	27.0	22.1	66.3	0.0	1.9	1.9	9.5
30	17.0	25.0	20.8	73.3	.5	4.8	5.3	3.9
31	16.3	22.6	18.4	88.7	9.5	0.0	9.5	.7
Total :					38.4	243.7	282.1	178.3
Promedio :	16.3	25.2	20.3	75.6				

Estación : EL ROSARIO  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : VENECIA

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.6	23.6	19.3	81.7	1.4	1.0	2.4	1.4
2	16.7	26.4	19.6	77.3	.1	12.2	12.3	5.4
3	16.0	22.4	19.0	79.7	.1	27.7	27.8	1.6
4	15.2	25.2	19.6	71.0	3.4	9.8	13.2	6.0
5	15.1	25.4	20.1	75.7	0.0	0.0	0.0	7.0
6	17.2	27.4	21.6	70.3	0.0	8.8	8.8	8.7
7	17.2	25.4	20.7	78.0	.2	35.6	35.8	4.3
8	16.1	23.6	18.0	81.7	9.7	12.3	22.0	1.8
9	16.2	25.6	19.3	80.3	8.0	2.2	10.2	7.7
10	16.4	25.2	20.4	75.0	0.0	.1	.1	3.6
11	15.8	24.6	19.4	75.3	1.5	.5	2.0	5.1
12	16.4	22.8	17.8	86.0	12.2	31.5	43.7	1.3
13	15.0	21.8	18.0	89.7	.7	0.0	.7	1.1
14	16.4	22.6	18.8	86.3	1.6	5.8	7.4	2.1
15	15.8	22.2	18.5	79.7	.2	1.1	1.3	1.5
16	15.4	25.4	20.6	72.7	0.0	0.0	0.0	5.6
17	16.0	23.6	18.8	78.3	11.9	.7	12.6	3.9
18	16.6	26.2	20.5	76.0	0.0	0.0	0.0	6.2
19	17.0	23.4	19.7	81.3	.5	0.0	.5	2.9
20	17.1	25.8	20.0	78.3	13.7	.2	13.9	6.7
21	17.0	23.0	19.2	81.0	1.0	7.1	8.1	2.3
22	16.5	23.6	19.1	87.3	1.0	.2	1.2	1.1
23	16.0	23.0	19.3	84.7	.1	29.6	29.7	2.8
24	15.3	24.4	19.2	81.3	0.0	.8	.8	3.7
25	16.4	25.8	20.6	76.0	.1	13.0	13.1	8.0
26	16.2	24.4	19.6	79.0	0.0	28.4	28.4	2.7
27	15.0	24.6	19.3	77.7	0.0	15.4	15.4	3.7
28	16.1	25.8	20.6	70.0	0.0	.2	.2	5.3
29	16.4	25.5	21.0	75.7	0.0	.1	.1	7.3
30	17.2	27.4	22.3	68.7	0.0	0.0	0.0	8.5
31								
Total					67.4	244.3	311.7	129.3
Promedio :	16.2	24.5	19.7	78.5				

Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.1	26.6	22.2	66.3	0.0	0.0	0.0	6.5
2	18.0	26.0	21.5	81.3	0.0	0.0	0.0	4.0
3	17.2	24.6	20.6	78.3	.3	32.6	32.9	3.8
4	15.2	26.2	20.3	81.3	1.0	2.9	3.9	6.4
5	17.2	25.8	20.4	80.7	0.0	22.0	22.0	4.0
6	16.0	25.6	20.1	72.7	0.0	3.0	3.0	5.8
7	15.1	25.2	18.7	77.0	29.3	0.0	29.3	2.3
8	16.4	24.6	20.5	75.3	0.0	3.2	3.2	3.6
9	16.8	25.0	20.3	78.7	2.5	4.5	7.0	2.6
10	17.0	26.6	21.9	72.0	0.0	0.0	0.0	7.0
11	16.2	28.4	21.2	66.7	24.4	0.0	24.4	9.5
12	16.4	25.8	20.4	77.0	0.0	.4	.4	5.9
13	16.6	21.0	18.5	87.3	0.0	0.0	0.0	.2
14	16.2	26.8	20.7	67.0	0.0	0.0	0.0	7.9
15	16.3	27.0	20.1	66.0	3.9	1.7	5.6	8.6
16	16.1	22.8	18.6	86.7	2.7	0.0	2.7	2.0
17	16.3	25.6	20.5	72.7	0.0	17.1	17.1	7.3
18	16.0	25.6	20.1	77.7	0.0	18.3	18.3	7.4
19	15.2	25.4	19.2	80.0	9.2	.9	10.1	5.2
20	16.4	24.2	18.7	87.0	.3	0.0	.3	1.5
21	16.3	24.6	19.8	76.7	1.0	0.0	1.0	2.2
22	15.3	22.4	17.6	83.0	1.0	0.0	1.0	1.0
23	15.4	22.4	17.8	86.7	11.5	14.6	26.1	1.4
24	15.2	24.0	19.0	81.0	.2	26.7	26.9	2.0
25	15.3	23.8	19.0	79.0	.4	14.2	14.6	2.4
26	16.1	24.4	20.0	79.3	0.0	0.0	0.0	3.6
27	17.0	26.0	20.2	77.0	0.0	16.9	16.9	4.3
28	15.2	25.0	19.8	75.7	0.0	9.4	9.4	3.9
29	16.0	24.6	19.7	81.3	3.5	0.0	3.5	3.8
30	17.0	22.8	19.7	83.0	5.3	1.5	6.8	1.6
31	17.1	23.6	18.9	86.7	0.0	3.2	3.2	1.1
Total					96.5	193.1	289.6	128.8
Promedio :	16.3	24.9	19.9	78.1				

Estación : EL ROSARIO  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : VENECIA

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

Noviembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.5	26.6	20.4	81.0	0.0	22.7	22.7	8.2
2	16.0	25.0	20.4	78.3	.3	15.1	15.4	3.7
3	15.4	25.4	19.7	75.7	.1	0.0	.1	4.9
4	16.3	22.8	19.0	79.7	12.9	11.0	23.9	.3
5	16.0	23.6	19.6	87.3	0.0	.5	.5	2.2
6	16.1	23.4	19.4	82.7	0.0	4.0	4.0	.9
7	16.0	21.8	17.8	86.3	24.5	0.0	24.5	1.3
8	15.4	24.4	19.4	78.0	.6	0.0	.6	3.5
9	16.1	25.8	19.3	81.3	5.5	9.5	15.0	7.0
10	15.4	24.4	19.8	79.0	0.0	10.0	10.0	5.1
11	15.2	24.6	20.3	79.7	1.9	.2	2.1	8.6
12	16.3	22.8	19.4	86.3	1.7	.1	1.8	3.0
13	16.2	24.4	19.9	78.0	0.0	73.1	73.1	5.4
14	15.5	23.0	18.9	81.7	.6	0.0	.6	2.5
15	16.2	23.2	18.6	85.7	8.9	.5	9.4	1.9
16	16.3	25.0	20.5	77.0	.2	1.1	1.3	4.5
17	17.2	23.8	20.2	85.0	0.0	40.1	40.1	.9
18	16.3	24.4	19.3	83.3	13.0	.1	13.1	5.9
19	16.4	24.2	19.6	73.0	5.6	0.0	5.6	1.8
20	16.0	23.2	19.4	82.7	.4	1.1	1.5	1.9
21	16.3	22.0	18.5	89.7	6.4	9.1	15.5	.7
22	16.1	22.4	18.4	87.0	.3	0.0	.3	.5
23	15.0	25.2	19.6	75.0	0.0	.8	.8	7.0
24	16.3	22.2	18.2	88.3	1.1	0.0	1.1	1.5
25	16.0	23.2	18.8	84.0	.1	.2	.3	2.6
26	15.4	21.6	18.7	81.7	.1	9.8	9.9	.8
27	16.3	20.4	18.0	92.3	1.5	10.2	11.7	.3
28	16.1	21.8	17.8	93.0	16.6	21.3	37.9	.7
29	15.4	23.4	18.2	83.7	.5	3.8	4.3	2.8
30	15.2	24.8	18.5	80.7	5.1	0.0	5.1	6.8
31								
Total :					107.9	244.3	352.2	97.2
Promedio :	15.9	23.6	19.2	82.6				

Diciembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	23.4	20.0	81.3	.4	21.7	22.1	3.9
2	16.2	20.8	17.2	92.3	18.0	4.5	22.5	.1
3	16.1	22.8	19.2	80.3	0.0	0.0	0.0	3.8
4	16.3	23.8	19.2	88.0	1.2	4.3	5.5	2.9
5	14.0	24.0	18.9	81.3	83.4	0.0	83.4	2.2
6	16.3	21.2	18.6	90.0	.3	0.0	.3	.3
7	16.1	21.8	18.2	93.3	17.5	0.0	17.5	.9
8	16.0	23.8	20.0	80.7	0.0	22.5	22.5	3.7
9	15.3	24.4	19.3	82.3	0.0	.1	.1	3.5
10	16.4	23.2	18.8	82.7	1.5	0.0	1.5	1.5
11	16.4	23.0	19.2	78.0	.2	.6	.8	1.4
12	16.3	23.8	19.8	83.7	1.1	1.5	2.6	2.5
13	16.2	24.2	19.6	83.3	0.0	0.0	0.0	4.0
14	17.0	24.4	20.2	80.7	0.0	3.2	3.2	3.5
15	17.0	24.4	19.9	71.3	0.0	0.0	0.0	4.5
16	16.3	22.2	18.5	89.3	0.0	0.0	0.0	.1
17	16.2	24.4	18.6	84.0	10.5	0.0	10.5	3.9
18	15.4	24.4	19.8	74.7	0.0	0.0	0.0	3.1
19	16.2	24.6	19.1	75.3	2.3	0.0	2.3	5.0
20	16.1	23.4	19.5	80.3	0.0	3.0	3.0	3.5
21	16.0	24.2	19.1	79.7	.8	3.7	4.5	4.0
22	15.4	24.4	19.2	74.3	12.8	0.0	12.8	6.6
23	15.0	25.8	19.8	62.0	0.0	0.0	0.0	10.2
24	15.4	22.6	19.6	76.3	0.0	0.0	0.0	1.0
25	15.8	22.6	18.6	77.7	2.1	0.0	2.1	1.9
26	15.4	24.2	18.4	78.0	1.6	1.6	3.2	5.5
27	15.1	24.2	20.2	68.0	.5	3.3	3.8	7.7
28	15.4	22.6	18.3	80.3	9.7	0.0	9.7	1.5
29	16.0	22.4	19.0	81.0	.2	0.0	.2	1.5
30	15.4	23.6	18.6	80.3	1.5	0.0	1.5	4.0
31	16.2	26.0	20.0	72.0	4.8	2.8	7.6	9.3
Total :					170.4	72.8	243.2	107.5
Promedio :	15.9	23.6	19.2	80.1				

Estación : EL ROSARIO  
Año : 1998

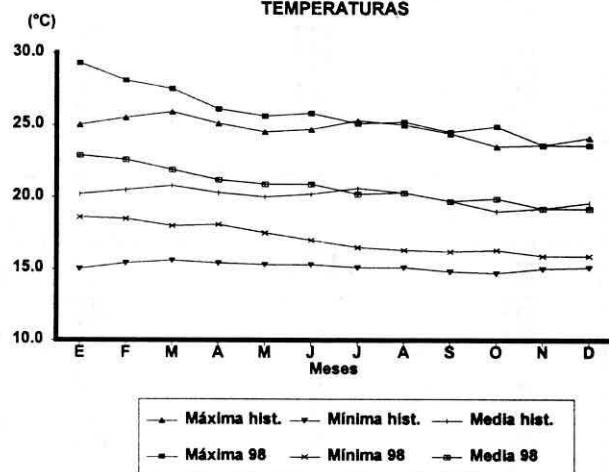
Dpto.: ANTIOQUIA  
Mpio.: VENECIA

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

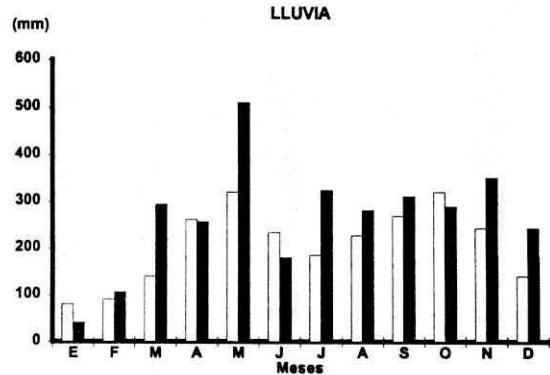
#### TEMPERATURA °C

MES	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	18.6	29.3	22.9	31.9	17.6	69.8	40.7	10	234.9
Febrero	18.5	28.1	22.6	32.7	17.0	71.0	106.2	14	151.6
Marzo	18.0	27.5	21.9	30.4	16.0	74.6	294.9	20	155.4
Abril	18.1	26.1	21.2	29.5	16.4	81.1	256.7	26	111.4
Mayo	17.5	25.6	20.9	28.4	15.6	79.0	511.2	24	130.2
Junio	17.0	25.8	20.9	28.0	15.2	75.4	180.4	18	173.0
Julio	16.5	25.1	20.2	28.0	15.0	76.2	324.9	23	186.0
Agosto	16.3	25.2	20.3	27.8	13.2	75.6	282.1	21	178.3
Septiembre	16.2	24.5	19.7	27.4	15.0	78.5	311.7	26	129.3
Octubre	16.3	24.9	19.9	28.4	15.1	78.1	289.6	25	128.8
Noviembre	15.9	23.6	19.2	26.6	15.0	82.6	352.2	30	97.2
Diciembre	15.9	23.6	19.2	26.0	14.0	80.1	243.2	24	107.5
Promedio :	17.1	25.8	20.7			76.8			
Absoluta :				32.7	13.2				
Total :							3193.8	261	1783.6

#### TEMPERATURAS



#### LLUVIA



Lluvia hist.  Lluvia 98

Estación : EL TRAPICHE  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : BOLIVAR

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.2	31.0	23.8	69.0	0.0	0.0	0.0	7.4
2	16.2	33.4	22.9	71.7	0.0	0.0	0.0	9.1
3	18.0	32.0	24.0	68.7	0.0	0.0	0.0	8.1
4	16.6	34.2	23.8	69.0	0.0	0.0	0.0	9.3
5	18.2	33.0	23.4	78.3	1.6	3.7	5.3	7.5
6	17.0	31.4	23.4	71.7	0.0	1.5	1.5	6.4
7	18.0	30.6	23.0	76.3	0.0	0.0	0.0	4.8
8	18.0	32.8	23.0	64.3	0.0	0.0	0.0	8.7
9	16.6	30.6	23.0	69.0	0.0	0.0	0.0	8.6
10	17.0	30.8	22.9	73.3	0.0	0.0	0.0	7.9
11	19.0	33.0	24.0	70.7	0.0	0.0	0.0	8.0
12	18.5	30.8	24.0	72.0	0.0	0.0	0.0	3.2
13	18.0	33.0	23.6	72.7	0.0	0.0	0.0	7.3
14	19.0	31.4	23.4	73.7	0.0	2.8	2.8	6.6
15	19.0	31.8	23.2	73.0	0.0	0.0	0.0	6.0
16	18.8	31.8	24.6	71.0	0.0	0.0	0.0	6.0
17	19.4	31.9	23.6	64.7	0.0	0.0	0.0	4.9
18	16.6	33.6	23.1	70.3	0.0	0.0	0.0	8.9
19	19.2	33.0	23.7	70.7	0.0	6.3	6.3	5.9
20	19.6	28.0	22.8	78.0	1.4	0.0	1.4	2.5
21	18.0	34.6	24.6	65.0	0.0	0.0	0.0	9.3
22	16.8	33.6	24.2	68.3	0.0	1.0	1.0	9.4
23	18.4	33.8	25.2	73.3	5.0	0.0	5.0	9.2
24	19.0	32.0	22.5	76.3	0.0	0.0	0.0	4.5
25	17.2	32.4	22.8	67.7	0.0	0.0	0.0	7.9
26	17.8	33.2	24.3	62.0	0.0	0.0	0.0	9.2
27	16.2	33.0	24.2	66.3	0.0	0.0	0.0	6.8
28	19.4	28.6	23.3	74.0	0.0	0.0	0.0	.8
29	17.2	33.4	24.9	67.3	0.0	0.0	0.0	8.0
30	18.2	30.4	23.6	78.3	.2	1.1	1.3	4.0
31	19.2	32.6	24.2	72.0	0.0	0.0	0.0	7.2
Total :		18.0	32.1	23.6		8.2	16.4	24.6
Promedio :		18.0	32.1	23.6	70.9			213.4
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.2	34.8	25.0	66.3	0.0	0.0	0.0	7.9
2	18.4	34.6	25.7	69.3	0.0	0.0	0.0	6.1
3	19.6	32.4	23.8	75.0	0.0	2.1	2.1	3.9
4	19.0	32.0	23.4	77.0	0.0	0.0	0.0	6.3
5	19.2	30.2	24.0	75.7	0.0	6.5	6.5	1.0
6	17.6	30.0	23.0	81.3	0.0	2.0	2.0	4.0
7	18.0	29.6	23.6	78.0	0.0	4.5	4.5	6.0
8	18.4	21.8	19.5	98.0	3.2	5.3	8.5	0.0
9	18.2	27.6	21.9	83.7	1.5	.8	2.3	2.3
10	18.6	29.8	22.9	78.3	0.0	0.0	0.0	3.5
11	19.2	28.0	23.1	79.3	0.0	0.0	0.0	2.3
12	19.6	31.0	24.0	73.3	0.0	.1	.1	4.9
13	17.6	30.2	23.4	77.7	6.2	51.0	57.2	4.9
14	17.4	30.5	22.4	80.3	0.0	0.0	0.0	8.1
15	19.2	32.4	24.1	70.7	0.0	0.0	0.0	7.2
16	17.2	34.2	24.8	66.3	0.0	0.0	0.0	8.6
17	16.2	34.4	24.2	64.7	0.0	.1	.1	10.0
18	16.6	33.4	24.2	67.7	0.0	3.0	3.0	9.2
19	18.0	32.5	24.3	67.0	0.0	0.0	0.0	7.6
20	18.8	31.8	24.0	68.0	0.0	.3	.3	7.7
21	19.6	31.0	21.9	76.3	0.0	16.2	16.2	3.7
22	18.5	30.6	22.7	78.0	0.0	11.3	11.3	6.5
23	19.2	26.2	21.4	85.0	.2	.1	.3	1.1
24	18.0	30.0	22.8	75.3	0.0	0.0	0.0	5.4
25	17.2	32.5	22.4	73.3	0.0	0.0	0.0	9.8
26	16.6	30.5	21.2	80.3	0.0	0.0	0.0	8.8
27	18.2	31.9	23.4	78.0	0.0	1.5	1.5	8.0
28	17.9	31.5	23.2	73.7	0.0	0.0	0.0	7.2
Total :					11.1	104.8	115.9	162.0
Promedio :		18.2	30.9	23.2	75.6			

Estación : EL TRAPICHE  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : BOLIVAR

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	31.0	22.6	74.7	0.0	17.4	17.4	8.4
2	17.5	29.9	22.2	83.0	0.0	0.0	0.0	3.0
3	17.4	32.3	23.3	71.7	0.0	0.0	0.0	8.3
4	17.6	32.5	23.7	74.7	0.0	0.0	0.0	7.2
5	18.5	28.8	22.6	78.0	1.0	0.0	1.0	1.0
6	17.5	33.7	25.0	66.7	0.0	13.3	13.3	8.5
7	18.4	28.2	22.4	85.7	.4	11.3	11.7	.6
8	17.2	30.6	22.9	82.7	0.0	0.0	0.0	2.9
9	17.5	29.0	21.6	83.0	0.0	0.0	0.0	5.5
10	16.5	30.8	22.3	75.7	0.0	0.0	0.0	7.4
11	18.0	32.0	23.4	72.3	0.0	0.0	0.0	6.3
12	16.8	31.7	22.1	71.7	0.0	0.0	0.0	8.8
13	15.8	31.5	22.8	76.0	0.0	12.0	12.0	8.7
14	17.3	29.4	22.8	79.7	0.0	0.0	0.0	1.8
15	19.0	30.2	22.5	78.0	0.0	0.0	0.0	4.2
16	19.8	28.5	22.7	77.3	0.0	0.0	0.0	3.8
17	17.6	32.0	23.1	75.7	0.0	0.0	0.0	8.1
18	17.9	31.8	23.6	77.3	0.0	0.0	0.0	6.7
19	18.0	31.9	24.0	75.3	0.0	0.0	0.0	6.3
20	18.2	30.8	23.4	75.3	0.0	.7	.7	3.6
21	17.8	31.0	22.8	76.0	0.0	0.0	0.0	5.4
22	17.5	31.7	24.2	68.0	0.0	6.1	6.1	6.5
23	17.6	25.0	20.4	89.0	.7	1.3	2.0	.2
24	17.9	27.8	21.0	84.0	2.6	0.0	2.6	3.0
25	18.0	32.3	23.2	79.7	0.0	0.0	0.0	5.6
26	18.3	29.4	22.8	76.3	0.0	.3	.3	1.8
27	16.3	29.0	21.4	80.3	.1	22.4	22.5	3.5
28	16.8	27.8	20.4	86.3	0.0	0.0	0.0	1.4
29	17.7	28.2	22.0	81.0	.5	41.9	42.4	1.9
30	18.0	23.1	19.9	94.0	17.6	0.0	17.6	0.0
31	17.9	28.9	22.1	83.0	.8	0.0	.8	2.6
Total :					23.7	126.7	150.4	143.0
Promedio :	17.6	30.0	22.6	78.5				
Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.3	32.6	23.6	75.0	0.0	0.0	0.0	8.6
2	19.4	27.0	22.0	86.0	0.0	.3	.3	1.6
3	19.3	28.0	22.2	83.0	.7	.5	1.2	2.5
4	18.7	26.8	22.5	82.3	0.0	0.0	0.0	4.5
5	18.3	31.5	24.8	72.3	0.0	0.0	0.0	8.0
6	18.5	30.0	22.8	80.0	0.0	23.3	23.3	5.1
7	18.0	30.5	22.6	80.0	0.0	.8	.8	5.7
8	19.3	31.2	23.4	80.7	0.0	15.6	15.6	6.2
9	19.0	30.7	23.6	78.7	0.0	0.0	0.0	5.6
10	19.4	31.3	23.6	79.3	0.0	2.8	2.8	6.8
11	17.8	24.3	20.8	89.7	2.0	0.0	2.0	0.0
12	17.6	28.7	22.3	82.3	.4	3.2	3.6	4.1
13	19.2	26.0	20.8	93.0	10.5	0.0	10.5	.4
14	18.2	29.8	23.0	78.0	0.0	0.0	0.0	5.0
15	19.0	31.0	24.5	74.3	0.0	0.0	0.0	7.7
16	18.9	29.3	23.7	78.0	0.0	0.0	0.0	2.3
17	19.5	32.0	25.0	72.0	0.0	8.1	8.1	6.8
18	19.6	31.2	23.4	81.0	.5	17.7	18.2	6.0
19	20.0	28.0	22.7	84.0	1.1	6.9	8.0	1.1
20	18.6	30.0	22.5	78.3	0.0	0.0	0.0	5.5
21	18.7	29.0	22.9	77.7	0.0	0.0	0.0	3.7
22	20.0	32.2	24.7	72.0	0.0	0.0	0.0	8.6
23	19.4	29.8	23.9	79.0	0.0	2.0	2.0	0.0
24	19.2	28.8	22.0	83.0	.9	2.2	3.1	3.5
25	18.0	32.5	23.9	73.0	0.0	5.8	5.8	8.9
26	19.4	29.4	22.4	80.7	8.0	.9	8.9	2.3
27	18.0	30.6	22.8	75.3	0.0	0.0	0.0	5.7
28	20.0	29.5	22.4	81.0	1.4	0.0	1.4	2.3
29	17.8	31.6	23.8	73.3	0.0	3.0	3.0	7.2
30	20.0	29.8	22.4	81.3	.9	3.9	4.8	4.0
31								
Total :					26.4	97.0	123.4	139.7
Promedio :	18.9	29.8	23.0	79.5				

Estación : EL TRAPICHE  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : BOLIVAR

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

Mayo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.6	29.4	22.5	82.7	.2	33.6	33.8	5.2
2	16.6	30.4	23.2	75.7	0.0	.6	.6	7.8
3	19.2	24.8	20.7	93.3	7.1	8.5	15.6	.5
4	18.4	25.3	20.9	85.3	.9	5.2	6.1	.9
5	17.8	25.0	21.0	81.7	2.3	0.0	2.3	1.2
6	17.0	28.0	21.6	79.0	3.5	.5	4.0	2.6
7	18.4	28.5	22.4	76.3	.6	0.0	.6	4.8
8	17.2	30.0	23.1	75.3	0.0	0.0	0.0	4.6
9	20.2	31.5	24.6	68.7	0.0	0.0	0.0	7.1
10	17.6	31.6	24.4	69.3	0.0	0.0	0.0	6.6
11	19.8	29.9	23.6	77.7	0.0	12.4	12.4	3.6
12	18.8	23.0	19.9	91.7	30.7	0.0	30.7	.2
13	16.0	32.4	24.2	72.3	0.0	0.0	0.0	8.8
14	17.8	32.0	24.2	75.0	0.0	4.3	4.3	4.6
15	19.0	26.6	21.3	86.0	0.0	0.0	0.0	0.0
16	17.8	32.6	24.2	68.7	0.0	7.7	7.7	8.2
17	19.4	30.5	24.9	76.0	0.0	14.5	14.5	5.1
18	19.5	31.0	24.0	77.7	0.0	70.5	70.5	6.8
19	18.6	30.5	23.9	74.7	0.0	0.0	0.0	9.2
20	19.4	32.4	25.0	74.7	0.0	1.5	1.5	7.7
21	20.0	33.0	25.0	74.7	0.0	3.7	3.7	9.2
22	19.0	32.2	24.5	77.7	0.0	29.6	29.6	8.2
23	20.0	25.0	21.6	90.3	.2	0.0	.2	0.0
24	17.8	27.5	22.8	86.0	3.6	9.2	12.8	3.7
25	19.8	27.8	23.2	85.7	.5	23.9	24.4	1.6
26	18.8	27.4	21.5	86.0	1.7	26.3	28.0	1.0
27	18.0	28.0	21.5	84.0	1.1	22.7	23.8	5.3
28	17.4	27.2	21.6	82.0	.4	36.2	36.6	3.9
29	18.2	27.7	21.0	84.7	3.4	.4	3.8	2.1
30	17.2	30.8	22.2	78.7	0.0	0.0	0.0	4.0
31	18.0	30.5	23.5	75.7	0.0	.5	.5	6.6
Total :				79.6	56.2	311.8	368.0	141.1
Promedio :	18.4	29.1	22.8					
Junio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.2	25.8	20.8	87.0	3.3	0.0	3.3	.7
2	17.8	28.6	22.1	80.0	1.4	.9	2.3	6.5
3	18.2	30.0	22.4	76.7	.8	0.0	.8	5.4
4	15.8	27.5	22.1	79.7	.1	10.2	10.3	5.9
5	17.8	31.2	23.0	72.0	.4	4.0	4.4	6.1
6	18.0	29.6	22.8	80.7	0.0	20.0	20.0	6.3
7	18.2	28.6	22.7	80.0	0.0	0.0	0.0	4.2
8	19.0	29.3	21.8	82.0	2.0	6.0	8.0	5.6
9	18.2	29.8	22.0	76.3	0.0	17.0	17.0	6.6
10	17.0	30.5	22.5	73.0	0.0	0.0	0.0	9.0
11	17.8	32.0	22.7	72.7	50.0	0.0	50.0	6.9
12	18.0	30.6	23.8	74.0	0.0	0.0	0.0	5.8
13	18.2	31.0	23.7	70.7	0.0	0.0	0.0	4.9
14	17.6	29.9	23.5	76.3	0.0	3.0	3.0	6.1
15	18.5	26.0	21.0	84.3	2.0	28.0	30.0	2.2
16	17.0	28.8	20.6	79.3	40.0	0.0	40.0	5.3
17	16.0	31.0	22.2	75.0	0.0	2.0	2.0	7.3
18	18.9	29.8	22.8	79.3	0.0	0.0	0.0	8.8
19	18.5	30.6	23.6	76.3	0.0	78.0	78.0	8.6
20	17.0	29.0	22.6	76.7	0.0	24.0	24.0	0.0
21	17.2	29.4	22.1	80.7	0.0	3.0	3.0	7.0
22	18.4	27.4	21.6	84.0	17.0	5.0	22.0	3.3
23	18.2	29.2	21.3	80.7	12.0	2.0	14.0	5.2
24	16.4	30.0	22.8	74.7	0.0	0.0	0.0	9.4
25	17.8	31.0	23.1	72.3	0.0	0.0	0.0	9.4
26	17.2	31.6	23.6	69.7	0.0	1.8	1.8	8.8
27	19.0	29.4	22.0	80.0	8.1	.4	8.5	4.7
28	18.0	27.6	21.4	87.0	.9	.7	1.6	1.6
29	18.2	29.0	22.6	70.3	0.0	0.0	0.0	6.3
30	15.0	31.8	23.4	63.3	0.0	0.0	0.0	9.0
31								
Total :				77.2	138.0	206.0	344.0	176.9
Promedio :	17.7	29.5	22.4					

Estación : EL TRAPICHE

Año : 1998

Dpto. : ANTIOQUIA

Mpio. : BOLIVAR

Latitud : 5 ° 48'N

Longitud : 76 ° 1'W

Altitud : 1320 m

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.6	31.0	23.2	66.7	0.0	0.0	0.0	8.5
2	17.0	31.6	23.8	69.0	0.0	0.0	0.0	9.2
3	19.0	29.0	22.6	78.7	6.2	2.3	8.5	6.1
4	18.0	26.4	21.4	83.0	0.0	12.0	12.0	3.9
5	17.5	24.4	20.2	87.3	1.8	1.5	3.3	1.4
6	17.2	27.0	21.1	81.3	1.6	14.4	16.0	4.7
7	17.4	26.4	21.0	80.0	0.0	31.6	31.6	5.2
8	17.0	26.2	21.0	80.7	.1	18.3	18.4	5.6
9	17.2	25.4	20.3	82.0	0.0	8.1	8.1	4.1
10	18.2	28.8	21.6	80.3	7.3	0.0	7.3	5.1
11	17.4	29.3	22.8	75.3	.2	2.4	2.6	6.8
12	17.2	29.8	22.5	76.3	0.0	0.0	0.0	8.1
13	18.0	30.0	22.2	71.7	0.0	0.0	0.0	8.1
14	17.4	28.0	22.0	77.7	0.0	1.2	1.2	6.3
15	17.2	28.4	22.7	73.0	0.0	36.4	36.4	7.5
16	16.2	26.8	20.7	83.0	0.0	60.5	60.5	6.9
17	17.0	28.4	21.2	80.3	1.9	13.8	15.7	5.7
18	18.0	27.2	21.2	84.7	1.9	9.0	10.9	5.0
19	17.6	28.4	21.6	81.7	.7	3.2	3.9	7.5
20	16.5	30.6	22.4	72.7	0.0	0.0	0.0	9.7
21	17.0	29.8	22.1	71.7	0.0	0.0	0.0	7.0
22	18.0	27.8	21.3	81.3	6.1	3.7	9.8	1.7
23	17.2	29.6	22.8	78.7	0.0	2.4	2.4	7.5
24	18.0	26.6	21.2	82.3	.2	.6	.8	4.3
25	17.8	28.2	21.8	83.7	6.0	2.2	8.2	6.0
26	17.2	29.8	22.0	78.0	0.0	5.7	5.7	7.6
27	17.0	28.4	22.5	79.7	0.0	0.0	0.0	6.7
28	17.6	27.0	20.6	85.0	0.0	13.7	13.7	4.4
29	17.2	28.4	22.8	78.0	0.0	.3	.3	8.6
30	18.2	29.0	21.2	81.0	5.5	0.0	5.5	4.4
31	16.2	27.2	21.0	84.7	0.0	.1	.1	5.5
Total :	17.4	28.2	21.8	79.0	39.5	243.4	282.9	189.1
Promedio :	17.4	28.2	21.8	79.0				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.2	29.8	22.4	73.7	0.0	1.8	1.8	8.1
2	18.0	30.2	24.1	67.7	0.0	0.0	0.0	8.2
3	16.8	27.6	22.4	78.7	0.0	0.0	0.0	4.3
4	18.0	29.6	22.7	72.3	0.0	18.8	18.8	7.9
5	17.6	27.8	22.3	83.7	0.0	16.3	16.3	3.0
6	18.2	27.6	21.6	79.0	0.0	24.2	24.2	4.5
7	17.2	25.4	20.7	83.3	.1	10.0	10.1	3.2
8	17.0	27.2	20.5	81.7	.2	0.0	.2	4.7
9	17.2	31.0	22.2	69.0	0.0	1.2	1.2	9.2
10	17.6	29.8	21.6	75.0	0.0	.6	.6	8.1
11	17.2	29.4	22.0	72.3	0.0	0.0	0.0	7.5
12	17.0	30.2	23.2	69.3	0.0	1.2	1.2	9.4
13	15.2	29.0	21.5	76.7	0.0	1.8	1.8	6.5
14	18.5	28.8	21.5	76.3	0.0	23.9	23.9	7.1
15	17.2	25.0	19.8	85.3	.8	.1	.9	2.7
16	16.0	27.4	20.5	77.3	.3	.2	.5	3.5
17	17.0	28.0	21.9	78.7	2.0	0.0	2.0	6.3
18	17.8	29.6	22.2	75.3	0.0	10.3	10.3	10.1
19	16.4	26.8	20.7	83.7	1.1	3.4	4.5	4.0
20	17.6	27.6	21.4	84.0	0.0	20.0	20.0	4.4
21	18.0	26.4	21.2	84.7	7.7	0.0	7.7	5.8
22	17.4	28.8	22.3	78.7	.1	.2	.3	6.8
23	18.0	30.4	22.6	74.0	0.0	3.0	3.0	9.2
24	18.8	30.0	23.8	73.7	0.0	15.1	15.1	9.9
25	17.0	28.6	22.0	77.7	0.0	57.0	57.0	5.7
26	17.3	25.2	21.3	81.0	2.5	9.1	11.6	4.4
27	17.8	28.0	21.9	78.0	4.3	0.0	4.3	7.9
28	17.5	30.4	22.5	71.7	0.0	0.0	0.0	9.5
29	16.8	30.0	22.1	71.7	0.0	22.4	22.4	10.0
30	17.0	27.8	22.2	81.3	0.0	1.8	1.8	4.1
31	18.0	27.2	20.8	82.7	2.2	0.0	2.2	3.0
Total :	17.4	28.4	21.9	77.4	21.3	242.4	263.7	199.0
Promedio :	17.4	28.4	21.9	77.4				

Estación : EL TRAPICHE  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : BOLIVAR

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín.	Máx.	Med.		Día	Noche	Total	
1	16.0	28.5	21.7	74.0	0.0	1.0	1.0	7.0
2	17.4	28.8	21.7	79.3	.5	5.0	5.5	6.6
3	18.2	27.6	21.1	81.0	.3	6.3	6.6	4.8
4	17.6	27.4	21.5	81.0	.1	4.9	5.0	5.1
5	17.6	28.2	21.2	76.0	0.0	0.0	0.0	5.7
6	17.8	31.0	22.8	71.7	0.0	2.2	2.2	9.4
7	18.4	29.0	22.4	79.0	0.0	3.7	3.7	7.2
8	17.4	26.8	21.7	80.3	0.0	17.0	17.0	3.0
9	17.2	28.4	21.9	78.7	0.0	9.1	9.1	8.8
10	17.4	29.0	21.1	81.7	0.0	13.9	13.9	6.0
11	17.6	28.0	22.2	77.7	0.0	.3	.3	7.4
12	17.0	25.4	20.0	88.0	21.5	19.5	41.0	1.1
13	16.8	25.0	19.8	84.0	0.0	0.0	0.0	1.5
14	17.2	26.6	19.4	89.7	10.1	2.7	12.8	7.2
15	17.0	27.0	20.4	81.3	0.0	4.6	4.6	0.0
16	17.2	28.2	22.0	78.3	0.0	0.0	0.0	6.6
17	17.6	27.4	21.0	79.0	0.0	0.0	0.0	4.6
18	17.0	29.8	23.0	73.3	0.0	16.6	16.6	7.0
19	17.1	28.2	21.9	77.7	.1	2.5	2.6	4.0
20	18.2	28.8	23.0	81.0	2.6	15.8	18.4	8.0
21	18.0	28.8	22.4	79.7	0.0	5.9	5.9	5.6
22	17.3	27.6	21.4	84.0	0.0	.9	.9	1.8
23	18.0	27.2	20.9	81.7	2.8	20.8	23.6	3.3
24	17.0	28.0	21.0	80.0	.1	4.9	5.0	6.4
25	18.0	27.5	21.2	77.7	0.0	22.6	22.6	7.9
26	16.8	27.2	21.2	81.3	0.0	21.5	21.5	4.3
27	18.0	26.0	21.2	78.3	0.0	.3	.3	5.3
28	17.2	29.8	22.2	77.0	0.0	0.0	0.0	7.7
29	16.4	30.0	21.7	75.7	0.0	0.0	0.0	7.1
30	17.4	30.6	23.2	67.3	0.0	0.0	0.0	8.8
31	—	—	—	—	—	—	—	—
Total :	—	—	—	—	38.1	202.0	240.1	169.2
Promedio :	17.4	28.1	21.5	79.2	—	—	—	—

Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín.	Máx.	Med.		Día	Noche	Total	
1	17.0	29.0	22.4	79.0	0.0	2.3	2.3	5.4
2	18.2	28.8	22.4	78.7	0.0	0.0	0.0	3.2
3	17.4	29.4	21.8	80.3	.4	18.9	19.3	4.2
4	17.5	29.8	22.5	76.0	0.0	19.8	19.8	9.2
5	18.2	30.2	22.4	79.7	.7	12.7	13.4	7.5
6	18.6	27.6	22.1	83.0	0.0	30.9	30.9	6.3
7	18.0	27.4	21.4	82.3	.3	0.0	.3	2.6
8	17.2	28.8	22.3	78.3	.1	2.8	2.9	6.2
9	19.0	29.6	22.2	80.0	0.0	0.0	0.0	4.5
10	18.0	31.0	22.9	72.3	0.0	0.0	0.0	8.3
11	18.4	30.6	24.1	74.7	0.0	4.0	4.0	8.2
12	17.8	28.8	21.9	78.7	0.0	0.0	0.0	6.9
13	16.4	25.6	20.8	82.3	4.1	0.0	4.1	1.6
14	16.4	29.6	22.3	79.0	0.0	0.0	0.0	9.1
15	17.2	28.0	22.0	76.7	2.8	3.8	6.6	9.4
16	17.0	26.4	21.0	84.3	.3	0.0	.3	1.6
17	16.6	29.3	22.0	79.0	0.0	3.4	3.4	5.3
18	18.2	28.4	22.0	79.7	0.0	8.2	8.2	4.3
19	18.0	29.2	22.2	80.3	0.0	5.1	5.1	5.6
20	17.7	27.2	21.6	83.7	5.2	0.0	5.2	4.5
21	17.0	26.5	20.6	83.7	5.5	0.0	5.5	1.3
22	15.0	25.2	19.4	89.7	10.9	0.0	10.9	1.9
23	15.6	25.0	19.5	95.0	4.5	.4	4.9	2.1
24	17.2	26.8	20.7	82.3	1.5	27.0	28.5	4.9
25	17.4	27.2	20.6	82.7	1.0	6.1	7.1	6.7
26	17.6	28.5	21.4	80.3	0.0	0.0	0.0	7.2
27	17.0	29.0	21.8	78.3	0.0	5.5	5.5	7.8
28	17.4	29.2	21.3	78.3	0.0	14.8	14.8	5.7
29	18.0	28.5	21.6	83.0	0.0	9.0	9.0	5.7
30	17.6	27.2	21.6	81.3	0.0	0.0	0.0	4.9
31	18.0	28.2	22.0	80.3	3.2	1.9	5.1	3.6
Total :	—	—	—	—	40.5	176.6	217.1	165.7
Promedio :	17.4	28.3	21.7	80.7	—	—	—	—

Estación : EL TRAPICHE  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : BOLIVAR

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

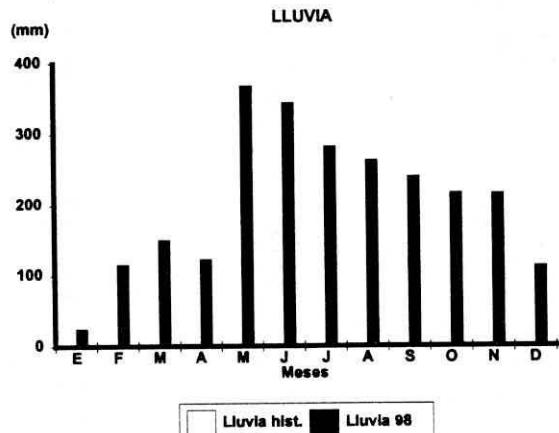
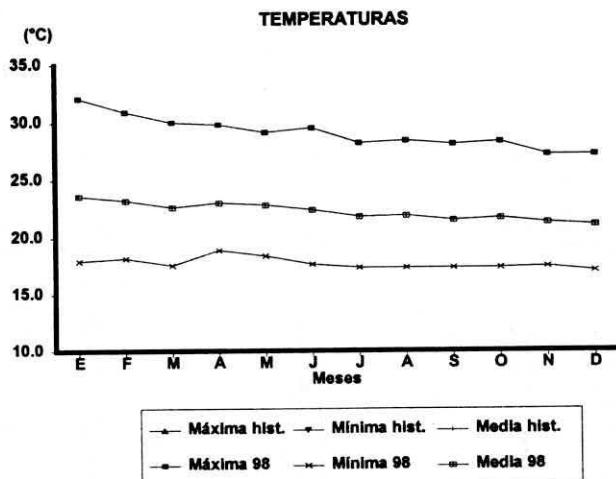
Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.6	29.2	21.8	79.3	0.0	.5	.5	7.6
2	17.9	29.0	21.4	79.3	0.0	.1	.1	7.4
3	17.3	28.7	21.8	78.3	0.0	18.4	18.4	6.0
4	18.2	25.8	21.2	85.0	0.0	3.3	3.3	2.1
5	18.0	27.2	22.0	82.3	0.0	3.4	3.4	6.5
6	17.8	26.2	20.5	85.0	0.0	2.1	2.1	1.3
7	18.0	24.8	20.2	87.3	2.2	0.0	2.2	1.4
8	17.2	29.0	21.8	78.7	0.0	0.0	0.0	8.7
9	17.0	29.4	22.4	77.3	0.0	12.9	12.9	6.9
10	17.4	29.0	22.2	77.3	0.0	12.4	12.4	8.5
11	16.8	29.2	21.6	76.7	0.0	3.3	3.3	8.2
12	18.4	28.4	22.0	79.0	0.0	0.0	0.0	4.6
13	17.6	27.4	21.9	75.3	0.0	35.7	35.7	5.4
14	17.6	25.6	21.1	86.7	0.0	0.0	0.0	3.7
15	18.2	26.2	20.6	86.3	3.3	.5	3.8	1.6
16	17.0	27.8	21.7	79.7	0.0	39.0	39.0	3.8
17	18.0	26.3	21.4	84.7	2.1	.9	3.0	.7
18	17.6	30.0	22.2	80.0	.1	0.0	.1	6.8
19	18.0	28.0	21.4	81.3	0.0	0.0	0.0	4.5
20	17.8	28.8	21.3	77.0	4.6	.5	5.1	6.4
21	17.0	25.6	21.0	86.7	1.1	4.0	5.1	1.8
22	17.4	25.4	20.4	83.3	3.8	0.0	3.8	.9
23	15.0	29.4	21.9	75.3	0.0	5.1	5.1	8.7
24	18.0	24.9	20.0	88.0	.6	0.0	.6	.7
25	16.8	26.5	21.2	81.3	2.3	2.4	4.7	2.5
26	18.0	26.0	21.2	81.3	.3	6.6	6.9	.7
27	17.7	23.0	20.0	90.3	2.2	21.0	23.2	.2
28	18.0	22.6	19.4	89.0	7.0	2.1	9.1	.1
29	17.0	27.6	21.4	80.3	0.0	6.2	6.2	4.4
30	17.0	29.0	21.4	77.3	0.0	6.2	6.2	5.8
31								
Total :					29.6	186.6	216.2	127.9
Promedio :	17.5	27.2	21.3	81.6				
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.4	27.6	21.2	76.0	0.0	5.0	5.0	6.2
2	17.0	23.0	19.3	92.7	.3	.2	.5	.8
3	17.4	25.8	21.1	84.3	0.0	0.0	0.0	3.1
4	16.0	26.6	20.4	88.0	.4	.9	1.3	2.6
5	17.6	28.0	21.8	77.7	.1	1.0	1.1	5.1
6	17.0	25.0	21.2	85.7	1.8	11.0	12.8	1.9
7	17.8	25.6	20.2	88.3	2.9	.9	3.8	1.7
8	16.2	28.0	21.2	82.7	0.0	.2	.2	5.3
9	16.6	27.9	21.2	81.7	0.0	5.9	5.9	7.4
10	17.5	27.4	21.2	83.3	.3	.1	.4	4.1
11	18.6	28.2	21.6	83.3	0.0	0.0	0.0	4.7
12	18.0	28.6	21.5	84.0	0.0	8.9	8.9	5.6
13	17.4	28.0	21.6	83.7	0.0	7.5	7.5	5.7
14	18.5	28.2	22.0	80.3	0.0	2.1	2.1	6.4
15	18.0	27.2	21.8	78.0	0.0	.9	.9	4.7
16	17.6	23.8	20.4	91.0	0.0	0.0	0.0	0.0
17	17.4	28.4	21.6	79.0	0.0	16.4	16.4	5.1
18	17.6	28.8	21.5	77.7	0.0	.8	.8	3.4
19	17.8	29.8	22.4	72.3	0.0	0.0	0.0	8.3
20	16.5	29.4	21.9	79.7	0.0	1.9	1.9	5.4
21	17.2	27.4	21.2	79.0	0.0	.9	.9	5.4
22	17.8	27.0	20.9	78.7	0.0	0.0	0.0	4.5
23	16.4	29.8	21.0	73.0	0.0	4.9	4.9	9.2
24	17.0	26.2	20.6	80.7	0.0	9.5	9.5	2.5
25	17.4	24.6	19.0	93.7	4.4	.5	4.9	1.6
26	17.0	27.1	19.9	77.3	6.9	4.3	11.2	3.2
27	14.0	26.6	21.0	76.0	0.0	4.2	4.2	5.0
28	17.5	25.6	19.8	88.0	0.0	7.0	7.0	4.1
29	15.0	26.4	20.4	80.0	0.0	0.0	0.0	2.6
30	16.4	28.0	22.0	78.7	0.0	0.0	0.0	7.8
31	17.0	30.5	22.0	75.3	0.0	1.0	1.0	8.7
Total :					17.1	96.0	113.1	142.1
Promedio :	17.1	27.2	21.1	81.6				

Estación : EL TRAPICHE  
Año : 1998

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.	Días Lluvia	Brillo Sol. (h)
Enero	18.0	32.1	23.6	34.6	16.2	70.9	24.6	8	213.4
Febrero	18.2	30.9	23.2	34.8	16.2	75.6	115.9	15	162.0
Marzo	17.6	30.0	22.6	33.7	15.8	78.5	150.4	14	143.0
Abril	18.9	29.8	23.0	32.6	17.3	79.5	123.4	19	139.7
Mayo	18.4	29.1	22.8	33.0	16.0	79.6	368.0	24	141.1
Junio	17.7	29.5	22.4	32.0	15.0	77.2	344.0	21	176.9
Julio	17.4	28.2	21.8	31.6	16.2	79.0	282.9	24	189.1
Agosto	17.4	28.4	21.9	31.0	15.2	77.4	263.7	27	199.0
Septiembre	17.4	28.1	21.5	31.0	16.0	79.2	240.1	23	169.2
Octubre	17.4	28.3	21.7	31.0	15.0	80.7	217.1	24	165.7
Noviembre	17.5	27.2	21.3	30.0	15.0	81.6	216.2	26	127.9
Diciembre	17.1	27.2	21.1	30.5	14.0	81.6	113.1	24	142.1
Promedio :	17.7	29.1	22.2			78.4			
Absoluta :				34.8	14.0				
Total :							2459.4	249	1969.1



Estación : VIRGEN DE ORO  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : TAMESIS

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1					0.0	0.0	0.0	8.7
2					0.0	0.0	0.0	9.4
3					0.0	0.0	0.0	10.0
4					0.0	0.0	0.0	10.4
5					0.0	0.0	0.0	6.9
6					0.0	0.0	0.0	6.5
7					0.0	0.0	0.0	4.1
8					0.0	0.0	0.0	9.9
9					0.0	0.0	0.0	9.6
10					0.0	0.0	0.0	8.2
11					0.0	0.0	0.0	9.8
12					0.0	0.0	0.0	3.3
13					.1	0.0	.1	9.2
14					0.0	0.0	0.0	2.7
15					0.0	0.0	0.0	7.4
16					0.0	0.0	0.0	8.1
17					0.0	0.0	0.0	7.2
18					0.0	0.0	0.0	9.8
19					0.0	0.0	0.0	10.0
20					0.0	0.0	0.0	1.1
21					0.0	0.0	0.0	10.3
22					0.0	0.0	0.0	10.2
23					0.0	0.0	0.0	10.0
24					0.0	0.0	0.0	5.8
25					0.0	0.0	0.0	10.2
26					0.0	0.0	0.0	10.3
27					0.0	0.0	0.0	7.9
28					0.0	0.0	0.0	3.8
29					0.0	0.0	0.0	8.7
30					0.0	.7	.7	4.3
31					0.0	0.0	0.0	7.9
Total :	—	—	—		.1	.7	.8	241.7
Promedio :	—	—	—					

Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	32.2	25.3	64.3	0.0	0.0	0.0	10.0
2	19.5	31.8	24.2	69.7	.9	0.0	.9	6.3
3	19.4	30.2	24.6	71.3	0.0	0.0	0.0	4.7
4	19.9	31.0	25.0	69.3	0.0	0.0	0.0	7.5
5	19.0	30.0	22.8	78.7	0.0	6.9	6.9	2.4
6	16.8	26.7	22.2	79.0	0.0	8.8	8.8	2.4
7	17.0	25.0	21.4	86.0	0.0	31.7	31.7	1.4
8	16.0	18.8	17.2	95.7	17.9	4.8	22.7	0.0
9	16.2	23.3	18.6	91.7	.5	0.0	.5	1.1
10	16.0	23.5	19.6	85.7	0.0	0.0	0.0	.9
11	17.0	23.9	19.5	89.7	0.0	0.0	0.0	1.0
12	17.8	26.9	21.6	82.3	0.0	0.0	0.0	1.9
13	17.5	25.4	22.0	79.3	0.0	7.1	7.1	3.5
14	16.0	25.0	20.8	82.7	0.0	.4	.4	5.4
15	17.0	29.0	22.6	75.7	0.0	0.0	0.0	6.1
16	18.9	31.8	25.0	57.7	0.0	0.0	0.0	9.9
17	19.1	31.7	25.3	55.0	0.0	0.0	0.0	10.5
18	19.7	30.8	24.8	66.0	0.0	.3	.3	9.7
19	18.2	29.5	22.9	74.3	0.0	0.0	0.0	9.5
20	17.9	30.0	24.0	70.7	0.0	1.4	1.4	8.8
21	18.5	27.8	22.4	77.7	0.0	5.2	5.2	4.4
22	17.0	26.8	22.1	80.0	0.0	12.1	12.1	3.5
23	17.2	22.2	20.3	89.0	.2	0.0	.2	.1
24	17.5	27.2	22.4	82.0	0.0	0.0	0.0	5.0
25	18.6	29.6	24.5	69.3	0.0	0.0	0.0	10.0
26	18.2	27.8	22.8	82.7	0.0	0.0	0.0	9.5
27	17.7	29.4	24.0	73.3	0.0	3.7	3.7	8.0
28	17.1	27.5	22.8	79.0	0.0	0.0	0.0	3.6
29	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—
Total :	—	—	—	—	19.5	82.4	101.9	147.1
Promedio :	17.8	27.7	22.5	77.1				

Estación : VIRGEN DE ORO  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : TAMESIS

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

Marzo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	28.9	23.8	71.3	0.0	2.6	2.6	8.0
2	16.9	24.3	20.0	92.3	0.0	0.0	0.0	.9
3	17.3	29.5	24.0	68.0	0.0	0.0	0.0	7.8
4	18.2	29.2	23.8	72.7	0.0	0.0	0.0	8.1
5	17.0	27.1	22.2	81.0	0.0	0.0	0.0	6.2
6	16.9	29.3	23.4	77.7	0.0	25.9	25.9	9.6
7	16.3	24.1	20.5	88.7	0.0	18.8	18.8	1.1
8	15.0	25.2	20.1	89.7	0.0	0.0	0.0	3.4
9	16.0	25.1	21.1	87.7	0.0	0.0	0.0	2.0
10	17.0	27.0	21.8	83.7	0.0	.4	.4	3.3
11	17.8	28.5	21.6	79.3	5.6	0.0	5.6	7.5
12	17.1	29.1	23.6	65.3	0.0	0.0	0.0	10.0
13	17.8	28.3	23.8	73.7	0.0	3.6	3.6	8.4
14	17.0	27.1	22.0	83.3	0.0	0.0	0.0	2.0
15	17.2	26.7	22.4	74.3	0.0	0.0	0.0	4.7
16	18.0	27.2	22.9	77.0	0.0	.6	.6	3.6
17	17.5	29.0	23.6	75.3	0.0	0.0	0.0	6.7
18	18.0	30.2	24.0	72.0	0.0	0.0	0.0	9.0
19	18.9	29.0	23.8	73.7	0.0	0.0	0.0	7.6
20	19.0	28.3	22.4	85.0	0.0	0.0	0.0	3.3
21	16.5	28.8	22.2	78.0	0.0	0.0	0.0	4.7
22	18.0	30.0	22.0	77.3	0.0	14.3	14.3	7.7
23	15.2	20.0	18.6	87.7	0.0	0.0	0.0	.3
24	16.4	24.2	21.0	83.7	0.0	0.0	0.0	1.1
25	18.5	27.2	22.6	74.0	0.0	0.0	0.0	3.2
26	17.0	26.2	22.6	79.7	0.0	5.6	5.6	1.8
27	16.4	24.2	20.0	85.7	0.0	40.6	40.6	.8
28	16.2	24.6	20.2	84.0	0.0	0.0	0.0	1.1
29	17.8	26.2	20.8	83.7	1.0	3.4	4.4	2.9
30	17.6	18.8	18.1	96.3	3.0	0.0	3.0	0.0
31	17.2	23.6	21.0	85.0	0.0	0.0	0.0	1.0
Total :					9.6	115.8	125.4	137.8
Promedio :	17.2	26.7	21.9	80.2				

Abril	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	27.8	23.0	80.0	0.0	1.6	1.6	7.6
2	17.4	23.6	19.9	93.0	5.5	2.7	8.2	1.4
3	16.5	23.6	19.8	94.7	0.0	4.1	4.1	.3
4	15.9	25.4	20.5	90.7	0.0	0.0	0.0	2.7
5	17.8	26.2	22.4	81.7	0.0	10.9	10.9	2.7
6	18.4	26.2	20.8	88.0	1.2	14.5	15.7	1.3
7	16.2	23.6	21.0	93.0	0.0	0.0	0.0	3.3
8	17.8	25.2	22.4	83.0	0.0	11.9	11.9	3.2
9	17.4	25.0	21.5	91.7	0.0	5.5	5.5	1.7
10	17.2	25.3	20.4	93.3	0.0	13.8	13.8	3.1
11	16.0	20.2	17.7	98.0	27.3	.2	27.5	0.0
12	16.0	24.8	20.8	89.0	0.0	0.0	0.0	1.1
13	17.0	22.4	19.7	87.3	6.9	10.0	16.9	.1
14	17.2	25.0	20.8	87.3	0.0	0.0	0.0	1.5
15	18.4	27.3	22.6	78.3	.1	6.4	6.5	3.4
16	18.2	23.6	21.0	84.3	2.9	0.0	2.9	1.5
17	18.6	27.2	22.8	81.0	0.0	1.2	1.2	6.1
18	17.8	25.4	21.4	86.7	0.0	7.4	7.4	4.2
19	18.0	23.2	20.2	86.0	0.0	15.1	15.1	.4
20	17.2	25.6	20.3	86.0	2.0	.9	2.9	4.2
21	18.0	25.0	21.3	84.0	0.0	2.0	2.0	1.1
22	17.8	26.7	21.8	87.3	0.0	0.0	0.0	3.8
23	18.8	23.8	21.6	83.7	0.0	22.5	22.5	0.0
24	18.0	24.1	20.2	89.0	0.0	7.2	7.2	.8
25	17.4	26.2	21.2	79.0	9.1	9.9	19.0	5.3
26	17.2	23.4	19.6	88.3	0.0	5.8	5.8	1.1
27	17.0	25.2	21.0	87.3	0.0	2.8	2.8	3.5
28	18.2	23.4	20.2	90.3	.5	.2	.7	.5
29	17.4	25.3	21.0	88.0	0.0	1.5	1.5	2.6
30	17.8	24.8	21.3	89.0	0.0	7.8	7.8	1.9
31								
Total :					55.5	165.9	221.4	70.4
Promedio :	17.5	24.8	20.9	87.3				

Estación : VIRGEN DE ORO  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : TAMESIS

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

Mayo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	23.4	18.9	90.7	1.4	19.4	20.8	1.0
2	15.8	23.8	20.2	85.3	0.0	2.1	2.1	1.4
3	16.6	21.4	18.4	92.7	10.7	19.7	30.4	.2
4	15.8	21.8	18.5	88.0	1.7	10.2	11.9	.2
5	15.4	21.0	17.5	89.3	6.8	.1	6.9	.4
6	16.8	21.6	19.2	84.7	.1	0.0	.1	.1
7	17.4	24.2	19.6	82.7	3.4	0.0	3.4	1.5
8	16.4	23.6	20.8	75.7	0.0	0.0	0.0	.9
9	17.5	26.2	22.3	83.7	0.0	0.0	0.0	4.5
10	17.0	26.3	22.2	76.7	0.0	1.3	1.3	3.3
11	18.8	25.0	22.0	82.0	0.0	14.8	14.8	.3
12	17.2	22.4	18.8	89.7	3.3	0.0	3.3	.4
13	15.5	27.8	22.0	80.3	0.0	0.0	0.0	5.3
14	18.4	26.2	21.8	83.7	0.0	0.0	0.0	1.9
15	19.0	23.8	21.0	75.0	0.0	0.0	0.0	0.0
16	18.0	27.4	22.7	70.7	0.0	0.0	0.0	5.2
17	19.0	26.6	22.3	84.7	0.0	19.7	19.7	4.3
18	17.8	25.4	21.7	84.7	0.0	15.3	15.3	2.1
19	17.8	24.8	21.6	85.7	0.0	0.0	0.0	2.7
20	18.8	27.3	23.1	81.0	0.0	15.1	15.1	3.4
21	17.8	27.2	23.3	73.3	0.0	1.0	1.0	7.4
22	18.6	27.4	23.0	82.7	0.0	0.0	0.0	5.7
23	19.2	22.2	20.1	91.0	0.0	0.0	0.0	0.0
24	17.2	23.6	20.8	88.0	0.0	0.0	0.0	.3
25	19.0	24.2	20.6	93.0	1.3	53.9	55.2	.1
26	16.5	23.0	19.2	93.7	2.1	30.2	32.3	.5
27	15.8	23.8	18.0	91.7	11.2	40.4	51.6	1.7
28	14.6	22.5	18.0	91.0	0.0	64.6	64.6	.1
29	15.0	20.7	17.8	90.7	.3	0.0	.3	0.0
30	16.0	23.6	19.8	90.0	0.0	0.0	0.0	.9
31	17.4	25.0	20.2	92.3	0.0	4.7	4.7	2.9
Total :		17.2	24.3	20.5	85.3		42.3	312.5
Promedio :							354.8	58.7
Junio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	22.2	18.4	91.0	1.1	.1	1.2	.1
2	16.2	24.1	19.3	87.3	.1	4.2	4.3	1.7
3	16.8	22.4	19.1	86.0	1.3	0.0	1.3	.7
4	16.4	23.6	20.4	87.3	0.0	0.0	0.0	2.5
5	17.4	24.8	20.0	88.7	0.0	0.0	0.0	1.9
6	17.2	25.4	21.0	79.0	0.0	0.0	0.0	2.7
7	17.2	24.6	20.4	84.7	0.0	12.5	12.5	1.4
8	17.0	24.4	19.8	92.3	.6	12.8	13.4	1.9
9	16.2	25.6	20.0	90.3	0.0	13.8	13.8	2.8
10	16.0	25.4	21.3	80.7	0.0	0.0	0.0	4.4
11	17.8	26.2	22.0	84.7	0.0	0.0	0.0	7.4
12	17.4	26.0	22.0	79.3	0.0	0.0	0.0	3.5
13	17.8	26.9	22.6	78.0	0.0	0.0	0.0	6.2
14	17.6	24.4	20.6	89.3	0.0	11.4	11.4	1.4
15	16.8	21.6	19.1	88.0	.1	10.5	10.8	0.0
16	16.0	23.1	18.8	91.0	.5	0.0	.5	1.3
17	15.2	26.6	20.1	85.7	0.0	1.5	1.5	2.5
18	17.6	25.8	21.1	82.0	0.0	0.0	0.0	2.4
19	17.4	26.8	20.9	82.0	0.0	8.0	8.0	4.2
20	16.8	25.0	20.4	84.7	0.0	28.1	28.1	4.1
21	15.8	24.6	20.0	84.0	0.0	15.3	15.3	2.4
22	16.6	22.0	19.4	90.7	.3	13.4	13.7	.7
23	17.0	24.2	19.0	91.0	4.8	.9	5.7	1.3
24	18.0	24.0	20.2	88.0	0.0	0.0	0.0	3.9
25	17.4	26.4	22.0	73.3	0.0	0.0	0.0	5.5
26	17.6	26.9	22.5	85.0	0.0	1.2	1.2	6.4
27	18.2	25.0	21.1	86.7	0.0	.3	.3	.2
28	17.4	25.1	20.0	90.7	.1	.6	.7	2.7
29	17.0	24.2	20.9	81.3	0.0	0.0	0.0	.3
30	16.4	28.4	22.5	67.0	0.0	0.0	0.0	8.3
Total :					8.9	134.6	143.5	84.8
Promedio :								

Estación : VIRGEN DE ORO  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : TAMESIS

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

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	28.6	23.2	60.3	0.0	0.0	0.0	8.2
2	19.2	26.8	22.5	70.0	0.0	0.0	0.0	7.1
3	17.4	26.4	21.1	81.0	0.0	10.8	10.8	6.0
4	16.4	22.8	19.0	93.3	.4	14.8	15.2	1.5
5	16.2	21.0	18.0	87.7	0.0	20.5	20.5	.1
6	15.0	23.2	19.0	94.7	.4	76.7	77.1	1.7
7	15.4	23.0	18.7	92.0	0.0	11.7	11.7	1.4
8	14.6	22.6	18.8	94.3	0.0	28.9	28.9	1.3
9	14.8	22.8	18.3	90.7	.2	0.0	.2	2.4
10	16.2	24.6	20.1	87.7	0.0	0.0	0.0	3.2
11	16.6	25.6	20.6	86.0	0.0	0.0	0.0	4.8
12	16.0	27.3	21.8	76.7	0.0	0.0	0.0	6.1
13	17.2	26.4	21.9	76.3	0.0	0.0	0.0	5.4
14	17.0	26.2	19.4	86.7	1.2	.1	1.3	5.9
15	15.8	24.4	19.4	91.3	0.0	6.5	6.5	3.2
16	15.2	22.8	18.7	88.7	0.0	2.3	2.3	2.5
17	16.4	24.2	20.2	87.7	.1	7.8	7.9	2.6
18	16.0	22.8	19.2	87.7	0.0	20.1	20.1	2.1
19	15.4	23.9	19.2	91.7	2.7	15.8	18.5	4.1
20	15.4	25.6	21.0	79.7	0.0	0.0	0.0	8.0
21	16.6	26.2	20.9	81.3	0.0	0.0	0.0	5.6
22	17.0	24.4	19.6	89.0	1.9	0.0	1.9	.9
23	16.2	24.2	20.8	84.3	0.0	.7	.7	3.8
24	16.0	24.4	19.7	87.7	.4	0.0	.4	2.1
25	16.2	23.8	19.6	89.0	1.6	2.9	4.5	1.9
26	16.8	24.8	20.7	83.0	0.0	0.0	0.0	5.8
27	16.4	24.4	20.1	89.0	4.3	7.3	11.6	2.7
28	16.0	21.8	18.8	93.3	1.0	5.3	6.3	1.2
29	15.6	24.4	20.0	89.7	0.0	3.5	3.5	3.6
30	17.2	23.6	19.5	92.0	.7	0.0	.7	2.2
31	16.4	23.8	20.2	81.3	0.0	0.0	0.0	2.5
Total :					14.9	235.7	250.6	109.9
Promedio :	16.3	24.4	20.0	85.9				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	25.6	21.1	86.3	0.0	0.0	0.0	6.2
2	17.4	27.2	22.4	77.3	0.0	0.0	0.0	7.2
3	17.6	24.8	21.0	84.3	0.0	0.0	0.0	2.9
4	17.6	26.6	22.0	82.3	0.0	0.0	0.0	7.6
5	17.2	24.8	20.8	85.3	0.0	59.3	59.3	1.4
6	15.8	23.8	19.6	90.7	0.0	9.7	9.7	1.5
7	15.4	22.0	18.2	95.7	0.0	35.9	35.9	1.4
8	15.0	23.0	18.6	93.3	0.0	0.0	0.0	2.6
9	16.2	26.5	21.0	84.7	0.0	3.7	3.7	6.8
10	16.0	24.6	20.5	86.0	0.0	15.2	15.2	4.9
11	15.8	25.0	20.4	92.3	0.0	0.0	0.0	4.4
12	16.8	26.8	21.9	74.7	.1	.1	.2	5.8
13	16.2	24.6	20.6	81.7	0.0	.4	.4	6.4
14	16.8	25.2	20.0	86.0	0.0	43.5	43.5	2.6
15	14.2	19.0	17.1	95.3	1.8	0.0	1.8	.2
16	16.0	23.4	19.2	90.3	0.0	0.0	0.0	2.1
17	16.6	23.2	19.2	91.0	.2	.4	.6	3.4
18	15.6	24.8	20.7	77.3	0.0	12.1	12.1	3.5
19	15.0	21.6	18.8	86.3	0.0	29.6	29.6	.7
20	16.0	22.6	18.7	93.0	0.0	22.9	22.9	1.6
21	15.6	22.8	19.4	85.3	0.0	0.0	0.0	2.7
22	17.0	25.8	21.0	81.0	0.0	0.0	0.0	5.4
23	17.2	27.2	21.8	86.0	0.0	0.0	0.0	5.8
24	17.6	25.6	21.6	79.0	0.0	7.8	7.8	3.5
25	16.2	23.8	19.2	92.0	8.9	28.3	37.2	3.2
26	15.0	21.2	18.4	90.3	0.0	2.8	2.8	1.5
27	16.0	23.4	19.4	92.0	1.5	0.0	1.5	1.3
28	16.2	27.2	22.3	73.0	0.0	0.0	0.0	6.9
29	17.4	27.0	21.4	87.0	0.0	.5	.5	6.0
30	17.0	22.8	19.4	89.0	0.0	0.0	0.0	1.9
31	16.6	23.8	19.0	89.3	0.0	0.0	0.0	1.3
Total :					12.5	272.2	284.7	112.7
Promedio :	16.3	24.4	20.2	86.4				

Estación : VIRGEN DE ORO  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : TAMESIS

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.4	25.0	19.1	79.3	8.4	3.3	11.7	3.3
2	16.0	22.4	18.9	91.7	0.0	0.0	0.0	2.7
3	15.8	21.8	18.0	93.0	0.0	10.3	10.3	2.3
4	15.0	22.2	19.0	89.3	0.0	7.9	7.9	1.5
5	15.8	23.0	19.6	91.7	0.0	0.0	0.0	1.5
6	16.6	26.2	21.3	82.0	0.0	.3	.3	7.3
7	17.4	25.0	20.8	81.3	0.0	17.0	17.0	3.1
8	16.4	22.4	18.2	95.7	.4	19.9	20.3	.4
9	15.6	23.6	19.8	90.3	0.0	0.0	0.0	1.9
10	16.8	24.4	20.0	87.0	0.0	.3	.3	2.8
11	16.8	23.0	19.8	87.7	0.0	4.1	4.1	1.8
12	15.0	21.2	17.8	93.7	39.0	30.0	69.0	.3
13	14.2	20.0	17.8	88.7	.9	0.0	.9	.3
14	16.2	23.2	19.8	81.7	0.0	13.6	13.6	3.0
15	15.0	23.0	19.0	83.7	0.0	.1	.1	2.1
16	16.0	24.4	21.0	78.3	0.0	0.0	0.0	2.8
17	17.0	24.4	19.8	86.0	0.0	.1	.1	2.6
18	16.4	26.4	21.0	79.0	0.0	3.8	3.8	4.8
19	16.8	24.3	19.4	93.0	0.0	0.0	0.0	2.5
20	17.0	25.8	21.0	83.0	0.0	0.0	0.0	4.0
21	17.2	24.4	19.9	89.3	0.0	14.4	14.4	2.1
22	16.4	22.2	19.7	80.0	0.0	3.0	3.0	.5
23	15.4	22.4	18.8	91.0	0.0	45.0	45.0	1.0
24	15.6	23.2	18.9	88.3	0.0	1.8	1.8	2.0
25	16.6	25.4	20.8	83.0	0.0	48.9	48.9	5.8
26	16.2	21.8	18.6	87.7	0.0	18.0	18.0	1.5
27	14.8	22.0	19.0	85.7	1.3	11.5	12.8	1.2
28	16.0	24.2	20.0	91.7	0.0	.1	.1	3.3
29	16.2	24.6	20.5	88.0	0.0	0.0	0.0	4.5
30	17.2	27.6	22.6	73.0	0.0	0.0	0.0	6.8
31								
Total :					50.0	253.4	303.4	79.7
Promedio :	16.1	23.6	19.7	86.5				

Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	25.8	21.3	87.7	0.0	1.8	1.8	3.4
2	17.2	25.0	20.8	85.0	0.0	0.0	0.0	2.9
3	16.4	24.0	20.2	88.0	.2	31.8	32.0	1.3
4	15.0	24.4	19.7	85.0	0.0	0.0	0.0	4.4
5	17.4	25.4	21.8	79.3	0.0	31.6	31.6	5.8
6	16.2	24.2	19.8	83.3	0.0	26.4	26.4	3.9
7	16.0	22.0	19.4	90.7	0.0	0.0	0.0	.8
8	16.6	25.4	20.3	87.7	0.0	6.1	6.1	3.7
9	16.8	23.0	20.3	77.0	0.0	0.0	0.0	1.7
10	16.6	26.9	21.9	76.3	0.0	0.0	0.0	3.0
11	17.4	27.8	22.2	80.3	0.0	0.0	0.0	8.2
12	16.8	25.0	20.4	85.3	0.0	53.0	53.0	3.2
13	15.8	20.6	18.2	90.0	4.2	0.0	4.2	.1
14	16.0	24.8	20.6	80.3	0.0	0.0	0.0	4.4
15	17.2	25.6	21.6	74.3	0.0	41.5	41.5	6.7
16	15.0	22.2	19.0	81.7	0.0	0.0	0.0	.9
17	16.2	24.2	19.7	89.3	0.0	23.1	23.1	4.1
18	15.4	23.8	19.9	84.7	0.0	19.6	19.6	4.7
19	16.2	23.6	19.2	88.0	0.0	28.9	28.9	2.2
20	16.6	22.4	19.2	93.3	0.0	0.0	0.0	.4
21	15.8	22.0	18.1	94.3	3.4	0.0	3.4	0.0
22	15.2	20.8	18.2	86.7	6.0	0.0	6.0	1.1
23	15.4	21.6	17.2	91.3	0.0	35.6	35.6	.6
24	15.2	21.4	18.2	95.0	8.0	19.9	27.9	.5
25	15.0	24.0	18.2	92.0	.3	11.2	11.5	2.4
26	16.0	23.6	19.5	81.3	0.0	0.0	0.0	3.0
27	17.0	24.5	20.0	84.7	0.0	39.2	39.2	3.7
28	15.8	22.8	19.4	86.3	.5	8.8	9.3	1.5
29	16.0	23.6	19.4	87.7	.6	.1	.7	2.5
30	16.8	23.4	19.6	92.0	0.0	21.1	21.1	.8
31	15.2	24.0	19.8	88.7	0.0	0.0	0.0	2.4
Total :					23.2	399.7	422.9	84.3
Promedio :	16.2	23.8	19.8	86.0				

Estación : VIRGEN DE ORO  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : TAMESIS

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

Noviembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.0	24.6	20.0	81.7	0.0	5.1	5.1	3.5
2	18.0	25.6	20.4	82.7	0.0	.1	.1	2.6
3	17.0	24.4	19.6	89.3	0.0	1.3	1.3	3.3
4	16.5	22.0	19.2	89.0	0.0	7.0	7.0	.1
5	16.6	21.8	19.2	86.0	0.0	2.6	2.6	.9
6	18.0	22.6	19.0	90.0	0.0	17.4	17.4	1.0
7	15.8	20.4	18.0	92.7	0.0	0.0	0.0	.5
8	15.0	23.8	19.0	90.0	35.5	0.0	35.5	2.2
9	15.6	23.6	20.5	85.3	0.0	10.3	10.3	3.1
10	15.0	23.2	19.7	84.3	0.0	15.3	15.3	4.6
11	15.6	24.4	20.6	82.3	0.0	.1	.1	5.7
12	16.6	23.4	19.0	93.3	.7	3.6	4.3	1.1
13	16.0	22.2	19.4	86.0	0.0	48.4	48.4	.2
14	15.0	20.0	18.2	90.7	.7	0.0	.7	.2
15	15.8	22.4	18.8	92.0	0.0	1.0	1.0	.5
16	16.8	24.0	20.3	86.3	0.0	11.1	11.1	2.3
17	17.0	22.5	19.5	91.3	0.0	23.7	23.7	.7
18	16.8	25.4	20.3	86.0	0.0	0.0	0.0	3.2
19	16.4	24.2	19.4	90.7	.7	39.6	40.3	1.5
20	16.0	23.9	19.4	86.7	.4	0.0	.4	2.3
21	16.4	22.6	18.4	93.0	2.8	10.6	13.4	.2
22	15.2	21.2	17.5	93.0	3.1	0.0	3.1	.1
23	15.0	24.0	19.4	88.0	0.0	.7	.7	4.2
24	16.6	20.0	17.4	94.0	8.4	0.0	8.4	.1
25	16.0	22.8	18.6	91.0	3.3	8.5	11.8	1.7
26	15.6	20.2	18.4	88.3	0.0	20.4	20.4	.3
27	16.4	20.0	18.0	93.0	22.2	17.7	39.9	.6
28	16.0	19.6	16.9	95.7	10.7	23.8	34.5	0.0
29	13.8	23.0	18.5	85.0	1.1	6.6	7.7	3.1
30	15.8	23.6	19.7	85.7	0.0	3.2	3.2	3.9
31								
Total :					89.6	278.1	387.7	53.7
Promedio :	15.9	22.7	19.1	88.8				

Diciembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.2	23.0	19.4	86.0	.6	1.3	1.9	2.5
2	15.0	20.0	17.0	94.7	3.9	0.0	3.9	.2
3	15.1	21.6	18.4	83.7	0.0	0.0	0.0	.4
4	16.2	21.3	18.8	85.7	.5	0.0	.5	.8
5	16.4	24.4	19.5	85.0	0.0	.1	.1	3.1
6	16.2	23.4	18.8	86.7	0.0	0.0	0.0	2.0
7	16.0	20.4	17.7	89.0	9.5	0.0	9.5	.3
8	16.0	23.2	20.0	81.3	3.0	35.1	38.1	3.5
9	16.2	23.8	20.0	81.3	0.0	0.0	0.0	3.6
10	16.6	23.8	19.3	91.0	.3	.2	.5	1.0
11	16.0	24.2	19.4	90.3	0.0	12.1	12.1	1.8
12	15.9	22.9	19.1	94.7	.4	26.8	27.2	1.5
13	15.6	23.0	19.2	93.0	0.0	0.0	0.0	2.7
14	16.8	23.4	20.0	91.3	0.0	0.0	0.0	2.0
15	17.0	23.6	20.2	88.0	0.0	5.5	5.5	2.5
16	16.6	21.0	19.0	88.7	0.0	0.0	0.0	0.0
17	16.0	23.6	19.1	91.0	0.0	0.0	0.0	2.1
18	16.2	23.8	20.0	92.3	0.0	1.8	1.8	2.4
19	16.0	24.4	20.5	78.3	0.0	0.0	0.0	4.2
20	15.6	24.2	19.4	86.7	0.0	1.8	1.8	4.2
21	15.8	23.3	19.4	84.7	.2	11.2	11.4	3.2
22	15.2	24.6	19.2	89.7	.2	0.0	.2	6.1
23	16.0	25.9	21.0	78.7	0.0	0.0	0.0	9.0
24	16.0	22.8	18.9	83.0	1.6	2.3	3.9	.4
25	15.7	22.2	18.6	88.3	1.0	0.0	1.0	.6
26	15.6	23.0	18.6	91.7	.6	1.4	2.0	1.9
27	14.9	23.4	20.0	78.7	0.0	2.1	2.1	4.1
28	15.6	21.8	18.4	88.3	0.0	0.0	0.0	.5
29	15.6	23.8	19.7	87.3	0.0	0.0	0.0	2.6
30	16.0	24.9	19.4	87.0	0.0	0.0	0.0	2.1
31	16.6	26.5	21.1	82.0	0.0	0.0	0.0	6.5
Total :					21.8	101.7	123.5	77.8
Promedio :	16.0	23.3	19.3	87.0				

Estación : VIRGEN DE ORO  
Año : 1998

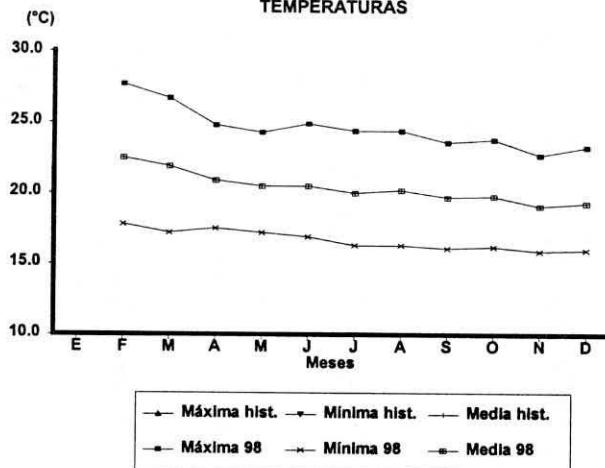
Dpto. : ANTIOQUIA  
Mpio. : TAMESIS

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

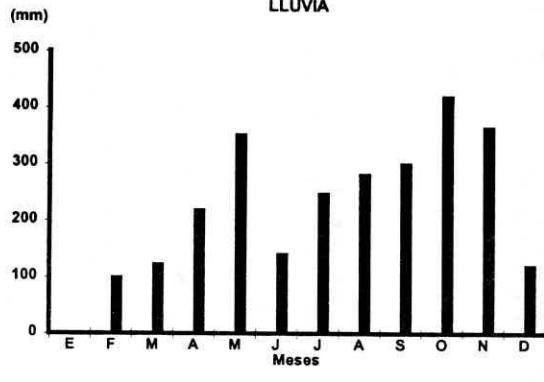
#### TEMPERATURA °C

MES	TEMPERATURA °C					PRECIPITACION			
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero							.8	2	241.7
Febrero	17.8	27.7	22.5	32.2	16.0	77.1	101.9	14	147.1
Marzo	17.2	26.7	21.9	30.2	15.0	80.2	125.4	12	137.8
Abril	17.5	24.8	20.9	27.8	15.9	87.3	221.4	25	70.4
Mayo	17.2	24.3	20.5	27.8	14.6	85.3	354.8	20	58.7
Junio	16.9	24.9	20.5	28.4	15.2	85.0	143.5	18	84.8
Julio	16.3	24.4	20.0	28.6	14.6	85.9	250.6	21	109.9
Agosto	16.3	24.4	20.2	27.2	14.2	86.4	284.7	18	112.7
Septiembre	16.1	23.6	19.7	27.6	14.2	86.5	303.4	22	79.7
Octubre	16.2	23.8	19.8	27.8	15.0	86.0	422.9	20	84.3
Noviembre	15.9	22.7	19.1	25.6	13.8	88.8	367.7	28	53.7
Diciembre	16.0	23.3	19.3	26.5	14.9	87.0	123.5	18	77.8
Promedio :	16.7	24.6	20.4			85.0			
Absoluta :				32.2	13.8				
Total :							2700.6	218	1258.6

#### TEMPERATURAS



#### LLUVIA



□ Lluvia hist. ■ Lluvia 98

Estación : LA CRISTALINA  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : TAMESIS

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	21.9	35.8	28.8	55.0	0.0	.2	.2	7.9
2	21.2	38.2	29.1	55.3	0.0	0.0	0.0	9.7
3	23.0	37.8	29.7	50.0	0.0	0.0	0.0	9.1
4	21.0	38.8	29.6	50.3	0.0	0.0	0.0	9.9
5	21.2	36.8	29.1	53.7	0.0	0.0	0.0	6.9
6	20.2	35.8	27.9	60.0	0.0	0.0	0.0	6.1
7	20.8	35.0	27.2	62.3	0.0	0.0	0.0	6.1
8	20.0	37.4	28.4	54.7	0.0	0.0	0.0	9.7
9	20.2	37.0	27.8	54.7	0.0	0.0	0.0	9.7
10	21.0	36.8	28.8	56.3	0.0	0.0	0.0	8.7
11	22.0	38.8	30.3	56.3	0.0	0.0	0.0	9.5
12	21.8	34.8	27.7	62.3	0.0	0.0	0.0	3.9
13	20.8	37.8	27.0	68.7	0.0	0.0	0.0	9.1
14	21.0	35.2	27.2	66.0	0.0	0.0	0.0	4.6
15	20.4	35.8	28.5	60.0	0.0	0.0	0.0	8.0
16	22.0	37.2	29.0	57.0	0.0	0.0	0.0	7.7
17	22.8	36.8	29.4	57.0	0.0	0.0	0.0	8.0
18	23.0	38.9	28.8	50.3	0.0	0.0	0.0	9.3
19	20.8	37.0	29.0	57.0	0.0	0.0	0.0	9.8
20	24.5	33.2	27.2	67.7	0.0	0.0	0.0	2.5
21	21.2	39.5	29.4	54.0	0.0	0.0	0.0	9.9
22	21.4	38.0	29.4	56.3	0.0	0.0	0.0	8.5
23	23.2	40.0	30.8	55.3	0.0	0.0	0.0	9.6
24	23.9	36.8	28.5	62.3	0.0	0.0	0.0	7.6
25	21.8	38.0	29.4	51.7	.5	0.0	.5	6.0
26	22.4	39.2	30.1	50.3	0.0	0.0	0.0	9.8
27	21.0	37.5	29.6	55.0	0.0	0.0	0.0	9.9
28	23.5	35.2	28.6	65.0	0.0	0.0	0.0	2.3
29	21.5	39.0	29.7	54.0	0.0	0.0	0.0	8.6
30	23.0	35.8	28.9	58.7	0.0	0.0	0.0	4.8
31	23.2	37.8	30.0	57.0	0.0	0.0	0.0	7.9
Total :					.5	.2	.7	241.1
Promedio :	21.8	37.2	28.9	57.2				
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	22.4	38.6	30.2	56.0	0.0	0.0	0.0	8.2
2	22.2	39.0	30.9	51.7	0.0	0.0	0.0	6.6
3	24.0	36.8	30.3	58.0	0.0	0.0	0.0	4.5
4	23.8	38.0	30.2	62.7	0.0	0.0	0.0	6.4
5	24.2	36.0	29.6	62.0	0.0	.2	.2	4.3
6	21.6	35.0	28.4	64.0	0.0	10.0	10.0	6.1
7	21.0	33.5	27.2	65.3	0.0	18.9	18.9	3.0
8	21.0	24.0	22.2	95.0	22.7	4.1	26.8	0.0
9	20.6	34.0	26.4	67.3	.1	3.7	3.8	5.9
10	21.5	33.0	25.9	68.0	0.0	0.0	0.0	3.0
11	22.9	32.8	26.4	66.3	0.0	0.0	0.0	2.7
12	23.0	33.8	27.6	65.0	0.0	0.0	0.0	1.9
13	22.2	34.0	27.6	61.0	0.0	2.1	2.1	4.7
14	20.2	33.8	26.7	66.3	0.0	.7	.7	5.7
15	21.0	37.0	28.4	59.3	0.0	0.0	0.0	7.3
16	20.4	39.8	29.6	50.7	0.0	0.0	0.0	9.8
17	20.0	40.0	29.2	48.3	0.0	0.0	0.0	10.3
18	21.0	38.2	29.4	53.3	0.0	1.5	1.5	9.5
19	21.5	37.2	29.2	56.7	0.0	0.0	0.0	9.2
20	21.0	37.0	28.9	57.0	0.0	8.0	8.0	8.0
21	22.2	36.2	28.3	60.7	0.0	3.0	3.0	6.7
22	21.2	35.8	27.2	61.7	0.0	1.1	1.1	7.7
23	21.0	30.8	25.5	74.3	0.0	0.0	0.0	.5
24	21.4	34.0	26.8	62.3	0.0	0.0	0.0	6.4
25	21.8	37.4	28.9	56.3	0.0	0.0	0.0	9.4
26	21.0	35.8	27.0	63.7	0.0	0.0	0.0	8.9
27	22.2	36.8	28.7	58.3	0.0	11.1	11.1	9.3
28	21.0	35.6	27.2	65.0	0.0	0.0	0.0	6.2
29								
30								
31								
Total :					22.8	64.4	87.2	172.2
Promedio :	21.7	35.5	28.0	62.0				

Estación : LA CRISTALINA  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : TAMESIS

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	21.2	35.8	28.3	59.7	0.0	3.7	3.7	7.7
2	21.0	32.4	26.1	73.0	0.0	0.0	0.0	2.9
3	20.4	36.0	25.6	57.3	0.0	0.0	0.0	8.9
4	20.8	37.0	28.6	55.0	0.0	0.0	0.0	7.6
5	21.8	34.8	28.7	59.3	0.0	0.0	0.0	5.8
6	20.6	36.8	29.2	58.7	0.0	11.5	11.5	9.3
7	21.0	34.0	26.5	70.3	.2	11.2	11.4	4.4
8	20.5	35.0	27.6	65.3	0.0	0.0	0.0	6.5
9	21.0	32.8	26.0	68.3	.1	0.0	.1	3.8
10	20.8	36.2	27.5	64.0	0.0	.4	.4	7.1
11	21.6	36.0	27.0	67.0	1.3	0.0	1.3	8.6
12	20.6	37.0	28.1	54.7	0.0	0.0	0.0	9.7
13	21.0	35.8	29.8	51.3	0.0	6.4	6.4	8.6
14	21.6	34.0	27.4	61.7	0.0	0.0	0.0	4.7
15	21.4	34.8	28.2	55.7	0.0	0.0	0.0	8.1
16	23.0	34.0	28.9	58.3	0.0	0.0	0.0	4.5
17	22.8	37.0	29.7	58.7	0.0	0.0	0.0	8.6
18	22.0	37.2	29.2	59.3	0.0	0.0	0.0	6.5
19	23.6	36.0	28.6	56.7	0.0	0.0	0.0	8.8
20	23.0	37.0	29.2	60.0	0.0	.2	.2	4.5
21	21.0	36.8	27.8	60.0	0.0	0.0	0.0	5.6
22	22.0	37.8	27.5	60.0	0.0	12.9	12.9	8.0
23	21.0	29.0	24.2	75.0	0.0	0.0	0.0	.5
24	21.2	33.0	27.0	64.3	0.0	0.0	0.0	3.5
25	21.5	34.2	27.2	63.3	0.0	0.0	0.0	3.2
26	22.0	33.0	27.2	63.7	0.0	33.4	33.4	3.3
27	19.8	32.0	25.3	68.7	0.0	21.7	21.7	3.4
28	20.0	31.2	25.4	71.3	0.0	.5	.5	3.7
29	20.0	33.6	25.8	71.3	0.0	11.4	11.4	5.1
30	19.8	25.0	22.6	89.7	3.6	0.0	3.6	0.0
31	21.0	30.8	26.1	68.3	0.0	0.0	0.0	3.4
Total :		21.3	34.4	27.3	63.5		5.2	113.3
Promedio :							118.5	176.3

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	20.4	35.8	28.0	62.0	0.0	.8	.8	10.0
2	22.2	30.0	26.0	73.3	.9	3.8	4.7	1.6
3	21.4	30.2	25.8	71.7	0.0	4.2	4.2	1.7
4	20.8	32.8	26.2	71.3	0.0	0.0	0.0	4.5
5	20.6	33.8	27.6	64.7	0.0	3.9	3.9	7.2
6	21.0	31.8	25.8	75.0	2.9	9.7	12.6	3.5
7	20.2	32.8	26.1	71.0	0.0	0.0	0.0	6.2
8	21.4	32.0	27.2	68.0	0.0	0.0	0.0	5.7
9	21.8	34.0	27.8	66.0	0.0	2.8	2.8	6.3
10	22.0	33.8	27.3	71.7	0.0	4.7	4.7	6.4
11	20.8	28.2	23.7	83.3	3.1	.1	3.2	.8
12	20.6	31.8	26.2	68.3	0.0	0.0	0.0	4.9
13	21.6	28.0	24.4	83.3	3.7	3.5	7.2	0.0
14	20.8	32.0	25.6	71.3	0.0	0.0	0.0	5.9
15	21.0	34.4	27.1	63.3	0.0	7.1	7.1	7.5
16	20.8	29.8	25.3	78.0	0.0	0.0	0.0	3.4
17	22.2	34.2	27.7	66.7	0.0	29.2	29.2	7.2
18	21.0	33.2	26.0	69.3	0.0	7.2	7.2	6.1
19	21.2	28.4	24.8	80.0	0.0	16.7	16.7	1.2
20	21.0	32.6	25.4	74.7	2.2	.7	2.9	5.3
21	20.9	32.0	25.8	74.3	0.0	1.8	1.8	5.2
22	20.8	33.2	27.1	71.7	0.0	0.0	0.0	8.7
23	21.0	30.2	26.0	71.7	0.0	14.0	14.0	9.0
24	21.2	31.0	25.6	75.0	.2	17.7	17.9	8.5
25	19.7	33.8	25.6	69.0	0.0	11.1	11.1	4.0
26	20.3	30.3	24.5	77.7	0.0	3.6	3.6	2.3
27	21.0	33.0	26.5	70.7	0.0	4.9	4.9	5.1
28	20.9	32.8	24.9	75.7	1.7	.4	2.1	5.9
29	20.0	33.0	26.0	72.7	0.0	.3	.3	7.7
30	22.2	32.8	26.2	71.0	0.0	10.3	10.3	5.1
31								
Total :					14.7	158.5	173.2	156.9
Promedio :					21.0	32.1	26.1	72.1

Estación : LA CRISTALINA  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : TAMESIS

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

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	20.8	31.2	24.6	80.0	4.0	19.7	23.7	5.0
2	20.4	32.0	26.0	67.0	0.0	11.6	11.6	6.5
3	20.2	31.7	24.8	84.7	10.0	13.7	23.7	1.5
4	20.0	29.4	24.3	79.3	2.1	5.6	7.7	2.5
5	20.6	28.2	22.8	82.3	5.4	.1	5.5	1.2
6	21.0	28.8	24.4	78.0	0.0	0.0	0.0	.4
7	21.2	29.2	24.6	77.7	.5	0.0	.5	2.6
8	21.4	29.2	24.6	73.3	0.0	0.0	0.0	3.3
9	21.0	33.0	26.8	69.3	0.0	0.0	0.0	7.6
10	21.2	33.2	27.4	65.0	0.0	0.0	0.0	6.6
11	21.0	31.8	26.4	72.3	2.0	0.0	2.0	4.7
12	21.2	27.8	23.6	81.3	0.0	0.0	0.0	1.7
13	20.4	31.8	25.8	70.3	0.0	0.0	0.0	7.0
14	20.2	32.0	26.3	69.7	0.0	0.0	0.0	5.0
15	20.4	28.0	24.0	79.3	0.0	0.0	0.0	0.0
16	20.0	33.8	26.9	65.0	0.0	0.0	0.0	7.8
17	21.0	33.2	26.6	68.7	26.1	22.6	48.7	6.0
18	20.8	32.2	26.3	73.0	0.0	45.2	45.2	4.8
19	21.4	33.4	26.4	71.7	0.0	0.0	0.0	8.4
20	21.6	33.8	27.6	70.7	0.0	76.9	76.9	8.1
21	20.2	33.6	27.0	66.7	0.0	.5	.5	7.5
22	21.8	33.4	28.4	69.0	0.0	0.0	0.0	9.0
23	23.2	29.0	25.2	83.7	0.0	0.0	0.0	0.0
24	22.4	30.2	28.2	77.0	0.0	0.0	0.0	4.7
25	22.0	31.0	26.5	75.0	0.0	29.0	29.0	2.2
26	20.6	30.0	24.0	83.3	2.7	34.2	36.9	3.9
27	20.2	30.4	23.8	78.7	21.9	65.5	87.4	7.7
28	19.8	29.2	24.4	72.0	0.0	39.6	39.6	3.6
29	20.2	29.2	24.0	73.0	0.0	0.0	0.0	2.1
30	21.0	30.0	25.0	70.7	0.0	0.0	0.0	2.9
31	21.4	31.0	26.6	70.7	0.0	4.0	4.0	9.4
Total					74.7	368.2	442.9	143.7
Promedio	20.9	31.0	25.5	74.1				

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	20.2	29.8	23.0	78.3	.8	.2	1.0	1.9
2	21.0	31.8	24.6	75.0	0.0	5.6	5.6	5.5
3	21.2	30.8	23.7	79.0	1.1	0.0	1.1	4.0
4	19.6	29.6	24.4	74.3	0.0	0.0	0.0	4.6
5	21.2	30.6	25.4	77.3	0.0	0.0	0.0	4.7
6	20.2	31.2	26.2	67.0	0.0	18.5	18.5	7.8
7	20.8	32.6	25.2	77.0	0.0	24.8	24.8	4.4
8	20.2	31.6	25.8	71.0	0.0	6.3	6.3	6.5
9	21.0	30.0	25.0	72.3	0.0	7.0	7.0	6.9
10	19.8	31.2	25.8	66.7	0.0	0.0	0.0	9.1
11	20.4	32.2	26.0	76.7	0.0	0.0	0.0	6.8
12	20.2	32.8	26.0	67.3	0.0	0.0	0.0	6.1
13	20.6	32.4	25.8	72.7	0.0	0.0	0.0	8.0
14	20.2	30.8	25.5	70.3	0.0	14.5	14.5	4.9
15	19.8	27.5	23.9	78.7	0.0	13.0	13.0	.1
16	19.8	29.8	24.8	71.3	0.0	0.0	0.0	5.6
17	18.0	30.4	24.5	75.3	0.0	0.0	0.0	6.8
18	20.8	30.8	26.2	71.7	0.0	0.0	0.0	6.6
19	21.8	32.0	26.2	71.0	0.0	0.0	0.0	6.9
20	21.0	31.2	25.8	72.7	0.0	23.2	23.2	8.3
21	18.4	31.0	26.0	72.3	4.0	0.0	4.0	7.2
22	19.8	30.2	25.0	77.0	0.0	0.0	0.0	3.5
23	20.2	32.0	23.4	78.7	4.0	0.0	4.0	7.2
24	20.2	30.8	25.7	72.3	0.0	0.0	0.0	8.2
25	20.6	31.8	26.0	71.0	0.0	0.0	0.0	6.6
26	20.2	32.8	27.1	65.0	0.0	8.9	8.9	9.4
27	20.6	31.6	25.4	70.0	.1	0.0	.1	3.6
28	21.0	32.0	24.8	77.7	1.0	.7	1.7	5.7
29	20.0	29.0	24.9	77.0	0.0	0.0	0.0	1.3
30	18.4	31.8	25.8	64.7	0.0	0.0	0.0	9.0
31								
Total					11.0	122.7	133.7	177.2
Promedio	20.2	31.1	25.2	73.0				

Estación : LA CRISTALINA  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : TAMESIS

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

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín.	Máx.	Med.		Día	Noche	Total	
1	19.0	31.6	25.0	65.0	0.0	0.0	0.0	6.6
2	18.2	31.2	26.4	66.0	0.0	0.0	0.0	8.0
3	19.8	33.0	26.0	69.7	0.0	5.0	5.0	7.0
4	20.0	29.8	24.2	75.7	1.2	7.7	8.9	3.0
5	19.0	26.4	22.7	83.0	0.0	23.3	23.3	.2
6	19.8	30.4	24.8	77.0	.2	68.0	68.2	5.5
7	18.2	30.2	24.4	73.3	0.0	10.1	10.1	5.3
8	20.0	30.0	24.6	74.7	0.0	22.7	22.7	7.8
9	19.8	29.0	23.5	79.7	1.0	0.0	1.0	5.2
10	20.0	30.6	25.2	73.7	0.0	0.0	0.0	5.8
11	19.0	32.6	25.3	74.0	0.0	0.0	0.0	8.8
12	20.2	32.2	26.1	70.0	0.0	0.0	0.0	8.7
13	19.8	32.5	25.8	66.3	0.0	0.0	0.0	8.4
14	19.0	32.0	24.0	79.0	.8	.1	.9	6.8
15	19.8	31.2	24.4	75.3	0.0	10.0	10.0	6.7
16	18.0	29.6	24.5	75.3	.2	7.0	7.2	4.8
17	19.8	30.2	25.2	68.3	.6	9.0	9.6	6.4
18	19.5	29.8	24.5	76.0	.1	26.2	26.3	5.7
19	20.0	30.0	24.4	74.3	1.2	9.2	10.4	6.4
20	18.8	32.0	24.9	71.0	0.0	0.0	0.0	8.2
21	19.8	31.8	24.9	67.0	0.0	0.0	0.0	6.9
22	20.0	29.6	24.2	78.0	1.7	0.0	1.7	2.8
23	19.8	30.8	25.4	71.3	0.0	2.2	2.2	7.5
24	20.2	30.6	25.2	76.3	.2	0.0	.2	6.1
25	20.0	31.0	25.9	77.0	1.4	2.5	3.9	4.9
26	20.8	32.2	26.0	69.0	0.0	0.0	0.0	7.6
27	20.4	32.0	24.4	68.7	.2	1.9	2.1	7.9
28	21.0	30.6	24.8	77.7	3.7	5.9	9.6	5.4
29	21.0	31.0	25.9	74.3	0.0	3.4	3.4	7.5
30	19.8	29.8	25.2	77.0	2.2	0.0	2.2	4.7
31	20.2	28.2	24.0	82.0	0.0	.4	.4	3.4
Total :					14.7	214.6	229.3	190.0
Promedio :	19.7	30.7	24.9	73.7				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín.	Máx.	Med.		Día	Noche	Total	
1	21.0	29.6	25.1	80.3	0.0	0.0	0.0	8.9
2	20.8	32.8	27.4	60.0	0.0	0.0	0.0	8.7
3	19.8	31.2	25.6	75.0	0.0	0.0	0.0	6.4
4	20.2	32.8	26.5	68.7	0.0	0.0	0.0	7.1
5	20.2	31.2	26.0	69.7	0.0	44.6	44.6	3.4
6	19.8	31.0	25.0	74.3	0.0	8.1	8.1	5.9
7	19.8	29.6	24.8	75.3	.4	17.3	17.7	4.2
8	20.0	29.5	23.8	78.0	0.0	0.0	0.0	6.2
9	19.6	30.3	24.6	71.0	0.0	2.8	2.8	9.1
10	19.0	31.0	25.6	67.7	0.0	3.3	3.3	6.2
11	19.8	30.8	24.7	72.0	0.0	0.0	0.0	6.3
12	19.0	32.8	26.2	70.3	0.0	.1	.1	9.0
13	18.8	31.6	25.0	69.3	0.0	.4	.4	7.6
14	19.8	31.4	25.6	71.7	0.0	54.4	54.4	6.4
15	19.0	27.0	22.8	83.3	1.8	0.0	1.8	1.3
16	19.8	30.8	25.3	72.3	0.0	0.0	0.0	6.3
17	19.6	30.0	25.0	71.3	0.0	.2	.2	6.6
18	20.0	32.0	25.2	68.0	0.0	25.1	25.1	8.4
19	19.8	29.6	24.1	75.3	0.0	12.6	12.6	3.2
20	19.2	30.6	24.7	77.3	.4	17.7	18.1	6.0
21	19.8	30.2	24.2	74.7	0.0	0.0	0.0	6.9
22	20.0	32.6	25.9	70.0	0.0	0.0	0.0	8.5
23	19.8	32.8	26.4	65.7	0.0	0.0	0.0	7.9
24	21.0	33.2	26.6	66.3	0.0	18.2	18.2	8.0
25	20.0	31.0	23.5	82.0	15.5	33.0	48.5	5.4
26	19.4	28.8	24.0	74.3	0.0	5.6	5.6	3.6
27	20.8	29.0	24.3	77.3	2.4	0.0	2.4	4.6
28	20.2	31.8	26.0	68.7	0.0	0.0	0.0	8.8
29	19.8	31.4	25.7	69.0	0.0	.6	.6	8.7
30	20.6	32.0	24.4	77.3	.5	21.5	22.0	4.2
31	21.0	30.0	24.9	81.3	.1	0.0	.1	3.5
Total :					21.1	265.5	286.6	197.3
Promedio :	19.9	30.9	25.1	72.8				

Estación : LA CRISTALINA  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : TAMESIS

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

Septiembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	20.2	31.6	23.2	78.7	8.5	3.1	11.6	7.0
2	19.2	30.8	24.4	71.7	0.0	27.8	27.8	5.4
3	19.6	29.2	24.3	74.0	0.0	8.7	8.7	4.6
4	19.8	30.8	24.4	75.7	0.0	5.9	5.9	7.3
5	20.0	29.0	24.3	75.3	0.0	0.0	0.0	9.0
6	19.0	32.8	25.6	69.7	0.0	15.2	15.2	4.4
7	19.8	32.0	25.1	75.0	0.0	24.4	24.4	5.7
8	19.8	29.2	22.4	81.7	0.0	10.3	10.3	2.9
9	19.0	31.0	24.4	74.7	0.0	0.0	0.0	8.3
10	19.9	30.8	24.0	76.7	0.0	.7	.7	3.7
11	19.8	30.6	24.4	74.7	0.0	7.3	7.3	7.0
12	19.6	28.3	23.0	75.3	15.0	27.6	42.6	4.3
13	18.3	26.7	21.7	79.7	.6	0.0	.6	.5
14	18.8	31.0	23.7	70.7	0.0	14.6	14.6	5.5
15	19.0	29.0	23.8	73.0	.1	0.0	.1	4.3
16	18.7	31.0	24.4	73.3	0.0	0.0	0.0	7.3
17	19.0	31.6	23.8	76.3	0.0	.3	.3	5.8
18	19.2	32.0	24.9	69.7	0.0	8.0	8.0	6.9
19	19.1	31.0	24.0	76.7	0.0	0.0	0.0	8.5
20	19.6	32.6	25.1	70.3	0.0	.6	.6	5.8
21	20.2	32.2	25.0	72.7	0.0	23.7	23.7	7.1
22	20.0	28.8	23.8	79.0	.4	17.5	17.9	1.4
23	18.9	30.0	23.6	76.0	.1	22.8	22.9	3.8
24	18.5	30.6	23.1	77.0	0.0	2.0	2.0	5.7
25	19.0	32.0	24.8	72.7	.5	29.2	29.7	8.0
26	18.7	30.0	23.4	74.0	0.0	28.3	28.3	4.8
27	17.8	29.2	22.8	75.7	1.1	35.7	36.8	4.4
28	18.7	32.3	25.0	73.0	0.0	2.6	2.6	8.6
29	19.2	31.8	24.4	74.3	0.0	0.0	0.0	8.5
30	19.6	32.6	26.1	65.3	0.0	0.0	0.0	8.8
31								
Total :					26.3	316.3	342.6	175.3
Promedio :	19.3	30.7	24.1	74.4				

Octubre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	32.2	25.2	71.7	0.0	0.0	0.0	6.1
2	21.2	31.2	26.0	72.0	0.0	0.0	0.0	5.0
3	19.1	31.8	24.3	78.0	6.4	50.9	57.3	5.0
4	18.7	32.0	24.4	72.3	0.0	1.3	1.3	7.3
5	20.0	32.2	25.5	72.3	0.0	32.4	32.4	8.1
6	19.0	31.2	24.4	74.3	0.0	18.7	18.7	6.9
7	20.0	30.0	24.1	77.3	.1	.1	.2	3.7
8	20.1	32.4	25.2	73.7	0.0	15.5	15.5	5.4
9	20.0	29.0	23.8	83.3	0.0	0.0	0.0	1.7
10	19.0	33.0	25.1	71.3	0.0	0.0	0.0	7.1
11	19.3	34.7	26.6	65.3	0.0	0.0	0.0	9.0
12	19.1	32.0	24.8	70.0	0.0	34.7	34.7	7.8
13	19.4	27.6	23.2	80.3	3.2	0.0	3.2	.9
14	19.3	32.8	25.4	68.3	0.0	0.0	0.0	7.3
15	18.5	33.0	25.5	68.7	0.0	15.3	15.3	8.2
16	19.3	28.6	23.4	77.3	0.0	0.0	0.0	2.6
17	17.6	31.0	25.1	70.0	0.0	14.3	14.3	7.6
18	19.0	32.5	25.7	72.3	.3	10.9	11.2	7.9
19	19.8	30.2	23.7	76.7	0.0	.1	.1	5.8
20	20.0	31.0	24.4	79.3	.2	0.0	.2	5.0
21	20.3	29.2	24.1	74.0	3.0	.4	3.4	1.7
22	17.5	28.6	23.0	77.0	1.7	0.0	1.7	2.9
23	18.3	29.0	22.5	80.3	.7	48.9	49.6	6.0
24	18.6	30.6	23.3	79.0	6.0	51.4	57.4	4.4
25	18.6	31.0	23.5	75.0	9.0	12.1	21.1	5.8
26	19.0	30.8	24.1	70.3	0.0	0.0	0.0	5.2
27	19.8	32.6	24.2	73.3	0.0	38.5	38.5	7.8
28	19.0	30.6	23.7	79.0	.3	12.6	12.9	5.8
29	20.0	31.0	24.2	75.3	.6	0.0	.6	6.4
30	19.5	31.2	24.4	75.0	0.0	15.1	15.1	6.7
31	20.0	30.0	22.9	82.3	.3	11.2	11.5	5.3
Total :					31.8	384.4	416.2	176.4
Promedio :	19.3	31.1	24.4	74.7				

Estación : LA CRISTALINA  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : TAMESIS

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

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	31.2	23.8	71.7	0.0	4.2	4.2	7.6
2	19.5	31.4	24.5	72.3	0.0	5.8	5.8	6.8
3	20.8	31.9	24.6	75.7	0.0	5.6	5.6	7.5
4	20.9	30.0	24.2	75.0	0.0	5.9	5.9	3.5
5	20.1	30.4	24.4	75.3	0.0	8.8	8.8	1.9
6	19.3	26.6	23.2	79.3	1.2	11.6	12.8	.6
7	19.0	28.0	22.8	80.7	.1	0.0	.1	1.5
8	19.4	31.9	25.2	72.7	0.0	.2	.2	7.3
9	19.5	32.4	25.2	70.0	0.0	4.9	4.9	7.4
10	19.9	31.8	24.7	71.7	0.0	10.9	10.9	6.8
11	19.2	32.8	24.8	70.7	0.0	2.1	2.1	9.7
12	20.3	30.6	24.3	80.0	0.0	.1	.1	4.9
13	20.0	29.0	24.5	71.7	0.0	20.9	20.9	1.8
14	19.5	28.5	23.0	79.3	.5	.1	.6	2.8
15	20.0	30.2	23.8	81.3	0.0	7.8	7.8	4.6
16	20.7	31.0	25.1	74.3	.7	1.6	2.3	3.8
17	20.2	29.2	24.1	79.3	0.0	0.0	0.0	2.5
18	19.9	32.6	25.7	66.3	0.0	0.0	0.0	8.4
19	18.9	31.9	24.5	74.3	0.0	5.5	5.5	4.8
20	19.2	30.6	23.5	77.3	.2	0.0	.2	5.3
21	19.8	28.0	22.9	80.3	1.0	9.6	10.6	1.2
22	19.6	26.8	22.4	79.3	.8	0.0	.8	.2
23	18.2	31.8	24.4	69.0	0.0	3.9	3.9	7.8
24	20.0	28.2	21.7	86.7	3.4	.2	3.6	1.9
25	19.2	30.6	24.2	72.0	0.0	.6	.6	5.5
26	19.0	28.0	23.4	75.3	0.0	16.2	16.2	.9
27	19.5	25.2	21.5	86.3	15.8	18.0	31.8	1.4
28	19.2	24.4	21.4	91.0	6.0	23.4	29.4	.1
29	18.5	30.0	23.8	74.0	1.3	7.5	8.8	5.5
30	19.5	32.0	24.4	71.3	0.0	1.0	1.0	7.7
31								
Total :					30.8	174.4	205.2	131.7
Promedio :	19.6	29.9	23.9	76.1				

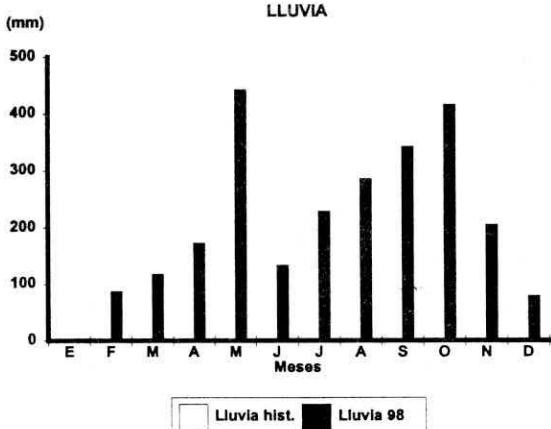
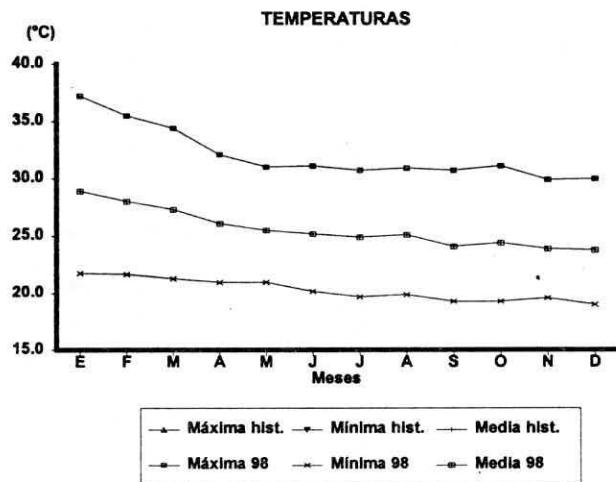
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.8	31.0	24.1	74.0	.3	.8	1.1	4.3
2	19.0	25.3	22.6	84.3	.2	.6	.8	.5
3	19.7	25.8	22.4	81.0	.1	0.0	.1	2.0
4	18.4	28.6	22.1	78.0	.7	0.0	.7	2.0
5	18.8	30.0	23.6	74.0	0.0	.3	.3	4.6
6	19.1	29.1	23.6	72.0	0.0	.1	.1	3.1
7	19.3	25.8	21.3	88.7	14.2	0.0	14.2	1.1
8	18.0	30.2	23.9	72.3	0.0	8.0	8.0	6.3
9	19.1	30.9	24.3	70.7	0.0	11.7	11.7	6.7
10	19.6	30.8	23.9	78.7	0.0	1.1	1.1	4.1
11	20.3	30.2	24.0	77.3	0.0	1.0	1.0	4.2
12	20.0	31.7	24.3	76.7	0.0	20.2	20.2	5.7
13	19.6	31.0	24.3	79.0	0.0	0.0	0.0	5.6
14	20.0	31.9	25.4	73.3	0.0	0.0	0.0	6.8
15	19.4	31.4	25.0	74.7	0.0	4.1	4.1	5.5
16	19.0	28.0	23.4	78.0	0.0	1.0	1.0	.2
17	19.1	30.0	23.8	74.3	0.0	0.0	0.0	5.1
18	18.2	30.8	24.7	75.7	0.0	0.0	0.0	6.4
19	19.1	32.7	24.8	68.3	0.0	0.0	0.0	8.3
20	18.2	32.0	24.0	70.7	0.0	3.0	3.0	5.4
21	19.0	30.8	24.1	73.7	0.0	3.6	3.6	6.5
22	18.0	31.0	23.6	73.7	0.0	0.0	0.0	6.6
23	17.9	31.8	24.3	67.7	0.0	0.0	0.0	8.5
24	18.2	29.0	23.2	74.3	0.0	6.4	6.4	1.9
25	18.8	27.0	21.8	84.0	.5	0.0	.5	1.0
26	18.4	30.5	23.9	73.7	0.0	.6	.6	5.7
27	17.8	30.2	24.2	66.3	.1	.6	.7	5.6
28	19.5	28.5	23.6	73.3	0.0	0.0	0.0	2.9
29	19.0	30.6	24.3	74.7	0.0	0.0	0.0	4.5
30	18.8	30.2	24.4	71.7	0.0	0.0	0.0	6.0
31	18.7	33.0	24.8	67.7	0.0	0.0	0.0	8.5
Total :					16.1	63.1	79.2	145.6
Promedio :	19.0	30.0	23.8	74.9				

Estación : LA CRISTALINA  
Año : 1998

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.	Días Lluvia	Brillo Sol. (h)
Enero	21.8	37.2	28.9	40.0	20.0	57.2	.7	2	241.1
Febrero	21.7	35.5	28.0	40.0	20.0	62.0	87.2	12	172.2
Marzo	21.3	34.4	27.3	37.8	19.8	63.5	118.5	14	176.3
Abril	21.0	32.1	26.1	35.8	19.7	72.1	173.2	23	156.9
Mayo	21.0	31.0	25.5	33.8	19.8	74.1	442.9	16	143.7
Junio	20.2	31.1	25.2	32.8	18.0	73.0	133.7	15	177.2
Julio	19.7	30.7	24.9	33.0	18.0	73.7	229.3	22	190.0
Agosto	19.9	30.9	25.1	33.2	18.8	72.8	286.6	20	197.3
Septiembre	19.3	30.7	24.1	32.8	17.8	74.4	342.6	24	175.3
Octubre	19.3	31.1	24.4	34.7	17.5	74.7	416.2	23	176.4
Noviembre	19.6	29.9	23.9	32.8	18.2	76.1	205.2	28	131.7
Diciembre	19.0	30.0	23.8	33.0	17.8	74.9	79.2	20	145.6
Promedio :	20.3	32.1	25.6			70.7			
Absoluta :				40.0	17.5				
Total :							2515.3	219	2083.7



Estación : MIGUEL VALENCIA  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : JARDIN

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	27.6	20.6	73.3	0.0	0.0	0.0	4.7
2	14.9	30.2	22.1	69.3	0.0	0.0	0.0	8.0
3	16.9	30.0	21.4	67.3	0.0	0.0	0.0	7.9
4	14.1	31.3	21.9	70.0	0.0	0.0	0.0	7.7
5	17.0	30.8	22.0	70.0	0.0	0.0	0.0	5.7
6	15.6	29.0	21.2	72.7	0.0	11.6	11.6	3.5
7	16.9	28.5	19.8	77.0	.7	0.0	.7	4.3
8	15.1	30.0	20.3	66.3	0.0	0.0	0.0	8.7
9	13.7	29.2	19.0	77.0	9.8	0.0	9.8	7.0
10	14.8	28.9	20.8	74.7	0.0	0.0	0.0	8.1
11	16.2	29.6	23.0	60.7	0.0	0.0	0.0	6.5
12	16.0	28.3	21.6	68.0	0.0	0.0	0.0	2.9
13	16.2	28.6	20.5	79.3	.9	0.0	.9	4.4
14	15.2	25.9	19.6	80.0	.1	0.0	.1	2.4
15	15.5	28.9	21.5	73.0	0.0	0.0	0.0	5.2
16	17.6	28.0	21.9	72.0	0.0	0.0	0.0	4.5
17	17.0	29.5	21.0	69.7	0.0	0.0	0.0	7.5
18	14.0	30.2	20.2	76.0	8.4	0.0	8.4	8.2
19	15.7	30.0	20.9	72.7	0.0	.2	.2	7.6
20	17.0	24.8	20.0	85.0	0.0	0.0	0.0	.9
21	15.8	31.7	21.2	68.3	0.0	0.0	0.0	7.6
22	14.0	31.8	21.5	72.7	0.0	0.0	0.0	9.0
23	17.0	31.3	22.0	73.0	0.0	.9	.9	8.5
24	18.0	29.0	20.7	79.3	.1	0.0	.1	5.3
25	15.0	30.9	21.0	68.7	0.0	0.0	0.0	6.3
26	15.3	31.0	20.6	68.3	0.0	0.0	0.0	7.4
27	13.8	30.0	20.7	75.7	16.4	0.0	16.4	5.5
28	17.2	25.0	19.8	87.3	.9	0.0	.9	.3
29	15.8	30.0	20.9	72.0	.4	0.0	.4	6.2
30	15.7	27.0	21.0	74.0	.1	.1	.2	2.8
31	16.9	31.2	22.1	67.0	0.0	0.0	0.0	6.9
Total :		.			37.8	12.8	50.6	181.5
Promedio :	15.8	29.3	21.0	72.9				
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.6	32.0	21.3	74.3	.8	0.0	.8	7.8
2	15.4	31.6	22.2	69.3	0.0	0.0	0.0	6.2
3	16.5	30.8	21.8	76.0	2.8	0.0	2.8	5.5
4	17.8	30.3	22.4	71.3	0.0	0.0	0.0	6.1
5	18.0	27.8	21.0	78.0	.7	0.0	.7	.4
6	18.2	28.0	21.4	73.0	0.0	.6	.6	2.5
7	18.0	27.1	21.8	76.3	.4	27.4	27.8	1.5
8	17.5	20.5	18.3	94.3	26.1	3.7	29.8	0.0
9	16.8	25.0	20.3	80.3	3.5	1.2	4.7	1.7
10	17.8	26.2	20.6	78.7	0.0	0.0	0.0	.5
11	17.0	24.3	19.3	83.7	.5	0.0	.5	1.1
12	17.2	28.7	20.5	77.7	5.7	0.0	5.7	2.9
13	16.0	28.0	20.5	78.3	.9	6.5	7.4	5.2
14	16.0	28.8	21.3	71.3	0.0	.2	.2	5.1
15	17.8	29.9	22.4	73.3	.3	0.0	.3	7.3
16	15.0	30.3	21.9	64.7	0.0	0.0	0.0	7.8
17	13.2	32.2	21.8	65.7	0.0	0.0	0.0	9.4
18	14.5	30.0	21.4	71.0	0.0	.9	.9	7.8
19	16.8	30.2	21.4	71.3	0.0	0.0	0.0	7.2
20	15.9	29.1	21.7	68.3	0.0	.3	.3	8.5
21	18.0	27.0	21.9	77.7	0.0	25.7	25.7	3.1
22	17.7	29.0	21.8	75.3	0.0	2.1	2.1	6.7
23	18.0	25.2	19.4	90.7	9.4	0.0	9.4	1.2
24	16.6	28.2	20.7	78.0	.9	0.0	.9	3.5
25	16.8	30.1	21.8	72.7	0.0	0.0	0.0	8.2
26	15.2	29.2	22.0	73.0	0.0	0.0	0.0	8.5
27	15.8	30.0	21.7	71.3	0.0	0.0	0.0	8.3
28	17.4	29.1	21.1	74.7	0.0	0.0	0.0	3.1
Total :					52.0	68.6	120.6	137.1
Promedio :	16.7	28.5	21.2	75.4				

Estación : MIGUEL VALENCIA  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : JARDIN

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.8	29.5	21.3	73.7	0.0	14.4	14.4	5.1
2	17.9	26.0	20.2	80.0	.2	0.0	.2	1.7
3	16.0	30.0	22.8	65.3	0.0	0.0	0.0	8.3
4	15.2	29.5	20.8	73.3	3.5	0.0	3.5	5.9
5	15.8	24.7	20.3	85.0	4.8	0.0	4.8	1.6
6	15.2	30.1	21.7	73.3	0.0	13.8	13.8	7.6
7	17.1	25.2	20.0	80.3	6.9	3.1	10.0	1.2
8	17.0	26.5	19.7	82.3	4.9	0.0	4.9	3.1
9	15.8	25.3	19.4	81.3	1.2	0.0	1.2	3.8
10	16.3	30.0	20.6	77.7	1.8	1.0	2.8	7.7
11	17.0	29.9	22.0	72.7	0.0	.5	.5	6.7
12	15.0	29.5	20.8	68.0	0.0	0.0	0.0	9.4
13	14.0	31.1	22.0	68.7	0.0	14.2	14.2	9.0
14	16.5	28.2	21.6	74.3	0.0	.9	.9	3.1
15	17.5	28.0	21.0	77.0	.8	0.0	.8	4.4
16	17.6	26.4	21.3	76.0	0.0	4.8	4.8	2.9
17	16.5	30.8	22.2	72.3	0.0	0.0	0.0	8.2
18	16.2	31.0	21.8	73.3	.3	0.0	.3	7.6
19	16.4	31.1	22.4	73.0	0.0	0.0	0.0	7.5
20	17.2	28.2	21.5	74.3	.1	2.7	2.8	2.3
21	17.0	28.8	20.1	79.3	8.5	0.0	8.5	4.9
22	16.2	29.0	21.6	77.0	2.7	4.2	6.9	5.2
23	16.8	23.0	19.3	84.0	1.3	0.0	1.3	0.0
24	16.9	26.8	19.6	87.0	.3	0.0	.3	2.0
25	16.5	30.1	21.0	73.0	.4	0.0	.4	4.7
26	17.4	27.6	21.4	76.7	0.0	1.4	1.4	2.1
27	16.9	29.0	22.0	73.3	0.0	20.4	20.4	3.2
28	16.7	28.0	20.4	78.7	0.0	0.0	0.0	2.8
29	16.5	26.8	21.6	73.0	0.0	0.0	0.0	4.9
30	17.8	22.0	19.0	86.7	16.4	0.0	16.4	0.0
31	16.2	27.1	21.2	80.7	2.4	0.0	2.4	3.2
Total :					56.5	81.4	137.9	140.1
Promedio :	16.4	28.0	21.0	76.5				

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	31.0	20.6	78.3	5.1	.2	5.3	7.3
2	16.0	24.4	19.9	88.7	8.5	9.5	18.0	.7
3	17.5	31.2	21.1	81.0	9.5	3.4	12.9	1.0
4	16.8	26.0	20.2	81.0	2.1	0.0	2.1	2.4
5	15.7	28.8	20.9	78.0	0.0	.2	.2	6.8
6	18.0	27.4	21.2	77.0	2.0	5.4	7.4	3.2
7	16.6	29.5	20.4	78.0	7.2	0.0	7.2	5.1
8	17.0	26.9	21.0	81.7	.1	3.2	3.3	3.2
9	17.1	29.0	22.4	76.3	0.0	11.2	11.2	5.6
10	18.2	30.4	21.3	79.3	5.0	7.8	12.8	5.6
11	16.7	23.6	18.8	87.0	5.0	.3	5.3	0.0
12	16.0	27.0	19.9	86.0	.9	0.0	.9	2.8
13	16.9	26.3	20.4	81.3	12.0	62.9	74.9	.8
14	16.8	27.9	21.3	74.3	.8	.6	1.4	3.6
15	16.0	30.0	20.4	75.3	4.1	.4	4.5	7.6
16	16.2	25.8	19.4	87.0	2.1	0.0	2.1	0.0
17	15.2	28.0	20.6	74.7	3.9	6.5	10.4	5.8
18	15.6	29.0	21.4	72.3	0.0	9.2	9.2	5.7
19	16.6	23.7	19.6	84.0	24.2	8.2	32.4	0.0
20	16.0	26.0	19.8	81.0	.7	0.0	.7	2.2
21	15.3	25.0	19.2	80.3	.6	.1	.7	2.8
22	17.3	29.0	22.4	75.7	1.4	0.0	1.4	8.1
23	16.2	25.0	21.0	77.0	0.0	0.0	0.0	0.0
24	17.4	26.0	19.8	87.7	11.8	.2	12.0	2.8
25	16.2	29.0	21.4	75.3	1.4	4.3	5.7	7.2
26	17.1	24.0	18.8	92.7	4.4	0.0	4.4	1.1
27	15.2	28.0	19.8	79.0	9.2	0.0	9.2	4.9
28	17.2	26.0	19.8	79.3	20.2	0.0	20.2	2.7
29	15.1	29.0	21.3	73.0	0.0	0.0	0.0	8.9
30	17.2	28.0	21.0	76.0	11.7	0.0	11.7	2.5
Total :					153.9	133.6	287.5	110.4
Promedio :	16.5	27.4	20.5	79.9				

Estación : MIGUEL VALENCIA  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : JARDIN

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

Mayo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.0	22.6	18.7	88.7	5.3	26.0	31.3	2.0
2	14.5	26.0	19.5	78.7	.1	11.1	11.2	2.4
3	15.4	20.0	18.3	92.3	40.5	5.8	46.3	2
4	15.5	23.5	19.6	82.7	3.8	4.6	8.4	1.7
5	14.8	22.3	19.2	81.7	.2	0.0	.2	1.3
6	14.0	24.2	19.0	78.7	1.7	3.2	4.9	1.3
7	14.1	27.0	20.0	76.7	0.0	0.0	0.0	5.7
8	15.3	28.0	19.8	76.3	0.0	0.0	0.0	4.0
9	16.2	27.0	22.0	71.0	0.0	0.0	0.0	6.7
10	16.0	28.0	22.0	73.7	0.0	0.0	0.0	5.6
11	17.0	27.6	21.4	73.3	.6	4.6	5.2	3.8
12	17.1	24.0	19.8	81.0	2.4	0.0	2.4	.7
13	15.0	29.0	21.0	69.3	0.0	0.0	0.0	7.3
14	15.3	28.0	21.2	74.7	1.2	0.0	1.2	3.5
15	16.0	25.0	20.1	79.7	0.0	0.0	0.0	2
16	15.1	29.2	20.9	74.0	0.0	.5	.5	6.1
17	17.1	26.0	21.3	77.3	.5	6.0	6.5	3.1
18	18.0	26.5	20.2	88.7	6.4	6.1	12.5	2.7
19	17.8	28.8	22.0	73.0	0.0	0.0	0.0	8.0
20	16.2	29.0	21.8	73.7	2.3	0.0	2.3	6.2
21	18.0	29.4	22.3	74.0	0.0	5.2	5.2	7.0
22	17.0	28.0	21.2	77.0	1.0	2.1	3.1	7.8
23	17.2	23.0	19.2	89.3	7.3	0.0	7.3	0.0
24	15.4	26.8	20.2	81.7	14.5	.5	15.0	3.5
25	16.4	26.4	21.2	77.0	.3	28.3	28.6	1.7
26	15.3	24.2	19.8	81.3	5.2	37.5	42.7	1.3
27	16.4	25.0	18.6	88.0	7.4	36.0	43.4	3.7
28	16.0	23.2	18.7	85.0	6.0	20.8	26.8	.4
29	15.4	24.0	19.1	82.7	15.6	.3	15.9	1.0
30	15.0	27.5	19.5	79.3	0.0	0.0	0.0	3.4
31	16.0	27.3	19.4	82.0	7.9	26.6	34.5	5.4
Total					130.2	225.2	355.4	107.7
Promedio :	15.9	26.0	20.2	79.4				
Junio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.1	24.0	18.4	88.3	7.0	0.0	7.0	.8
2	15.0	27.0	19.3	76.7	.2	3.4	3.6	5.5
3	15.2	25.0	18.8	83.0	1.2	0.0	1.2	3.5
4	13.2	24.2	18.3	86.7	10.2	10.5	20.7	4.1
5	16.4	26.0	18.9	89.7	10.0	0.0	10.0	3.9
6	15.0	26.5	20.0	76.3	.8	0.0	.8	6.5
7	16.0	25.0	19.8	82.3	.7	.2	.9	2.6
8	16.1	25.8	19.0	78.7	21.1	2.6	23.7	4.7
9	16.0	27.0	20.4	73.3	0.0	1.9	1.9	6.2
10	15.3	27.5	20.3	73.3	0.0	0.0	0.0	9.4
11	15.0	28.0	20.4	78.7	7.8	0.0	7.8	6.6
12	15.1	27.0	19.8	74.3	4.0	0.0	4.0	5.3
13	14.5	27.9	20.8	73.3	0.0	0.0	0.0	8.7
14	14.0	27.0	20.1	78.0	0.0	.6	.6	4.7
15	16.6	24.0	18.6	88.7	3.9	8.2	12.1	.3
16	16.1	25.0	18.8	79.3	16.8	.8	17.6	4.9
17	14.2	27.0	19.6	77.0	0.0	0.0	0.0	9.0
18	16.0	28.0	21.2	70.0	0.0	0.0	0.0	4.4
19	17.0	27.0	20.2	78.3	2.9	18.8	21.7	5.5
20	16.0	25.0	20.1	81.0	1.4	9.4	10.8	5.7
21	15.0	25.2	19.3	85.0	2.0	1.1	3.1	6.6
22	16.0	24.1	19.2	78.3	2.8	6.8	9.6	2.9
23	16.1	26.0	18.8	81.0	12.2	3.1	15.3	4.3
24	14.0	27.0	20.8	73.0	0.0	0.0	0.0	9.6
25	16.0	27.0	20.2	75.7	0.0	0.0	0.0	4.5
26	14.0	28.0	20.4	73.7	0.0	0.0	0.0	7.7
27	15.8	25.4	19.4	78.0	3.9	4.3	8.2	1.1
28	15.2	25.8	19.3	83.3	2.0	22.7	24.7	5.8
29	16.5	25.0	19.4	80.7	0.0	0.0	0.0	3.1
30	11.8	29.0	19.6	69.7	0.0	0.0	0.0	9.3
31								
Total					110.9	94.4	205.3	157.2
Promedio :	15.2	26.2	19.6	78.8				

Estación : MIGUEL VALENCIA  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : JARDIN

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

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	13.4	28.9	20.2	71.7	0.0	0.0	0.0	10.2
2	14.0	28.0	20.2	73.3	0.0	0.0	0.0	6.3
3	15.3	27.0	19.4	78.0	9.9	23.2	33.1	5.2
4	15.0	24.8	18.2	83.7	2.2	19.0	21.2	2.3
5	15.1	22.1	18.2	84.7	2.7	1.7	4.4	1.0
6	15.0	24.0	17.8	87.7	8.1	39.7	47.8	4.3
7	15.3	23.8	18.2	83.7	.8	14.1	14.9	3.9
8	14.8	24.2	18.6	82.0	1.0	31.5	32.5	6.7
9	14.7	24.8	18.2	82.3	0.0	0.0	0.0	4.8
10	16.2	24.3	18.7	81.7	2.7	0.0	2.7	4.4
11	13.8	25.0	19.0	81.3	5.0	.3	5.3	6.5
12	15.1	27.0	19.1	79.7	0.0	0.0	0.0	8.7
13	14.0	27.1	19.8	75.7	0.0	0.0	0.0	7.4
14	14.2	25.0	18.9	78.0	2.1	1.1	3.2	4.2
15	15.2	25.9	18.7	84.3	1.3	9.4	10.7	7.1
16	14.0	24.0	17.5	85.7	.8	36.7	37.5	5.0
17	15.0	25.7	18.7	79.3	1.1	18.7	19.8	6.2
18	14.9	25.2	18.1	84.7	2.4	20.1	22.5	4.2
19	15.6	25.8	18.6	83.0	7.4	11.0	18.4	6.2
20	13.0	27.3	18.8	79.0	1.9	0.0	1.9	8.3
21	13.6	27.0	19.8	73.0	0.0	0.0	0.0	7.7
22	14.5	26.1	18.6	82.7	1.0	0.0	1.0	2.8
23	15.0	27.0	20.3	73.3	0.0	0.0	0.0	7.8
24	15.4	25.0	19.1	79.0	.9	0.0	.9	5.4
25	14.3	24.2	18.4	84.0	4.0	.1	4.1	5.1
26	14.5	27.0	19.0	80.0	4.5	0.0	4.5	5.9
27	15.0	26.4	19.2	81.0	.5	14.6	15.1	5.6
28	16.2	25.1	18.2	87.0	7.6	14.0	21.6	3.8
29	14.7	25.4	19.2	81.0	.1	1.4	1.5	6.9
30	15.2	25.8	18.3	81.7	3.2	0.0	3.2	2.9
31	12.8	22.6	17.2	87.7	0.0	0.0	0.0	2.3
Total :					71.2	256.6	327.8	169.1
Promedio :	14.7	25.5	18.8	81.0				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.0	28.0	18.5	82.0	6.6	0.0	6.6	8.0
2	15.0	27.0	19.5	78.0	0.0	0.0	0.0	8.8
3	14.2	26.5	19.6	78.0	0.0	0.0	0.0	5.9
4	15.0	27.0	20.1	77.3	0.0	4.5	4.5	7.2
5	15.6	25.0	19.2	82.3	2.0	10.9	12.9	2.6
6	16.0	26.0	19.1	81.7	1.1	15.2	16.3	4.5
7	15.0	22.2	18.5	85.3	.9	31.2	32.1	1.7
8	15.0	24.6	18.0	82.7	.6	0.0	.6	3.1
9	14.0	27.0	18.8	79.3	2.6	.6	3.2	7.4
10	15.2	28.0	19.8	76.0	0.0	4.3	4.3	6.5
11	14.6	27.0	19.8	77.7	0.0	0.0	0.0	9.0
12	14.2	28.4	19.9	74.3	0.0	1.0	1.0	7.9
13	13.0	25.1	18.6	81.3	.8	0.0	.8	4.7
14	15.0	26.8	19.3	80.3	3.5	10.0	13.5	6.4
15	16.0	23.0	17.4	86.0	.8	0.0	.8	.6
16	14.0	24.0	17.3	89.3	4.0	0.0	4.0	2.9
17	13.0	24.0	18.6	85.0	2.0	0.0	2.0	5.3
18	15.0	28.0	19.5	73.7	.4	7.2	7.6	7.9
19	14.0	27.0	18.2	81.0	4.5	1.2	5.7	3.7
20	16.0	24.0	18.3	85.3	4.7	4.5	9.2	.8
21	16.2	25.0	18.8	84.3	.9	0.0	.9	3.3
22	14.0	26.0	18.8	83.7	9.1	0.0	9.1	6.1
23	15.0	27.0	20.2	80.3	0.0	0.0	0.0	8.4
24	14.0	28.1	20.6	75.3	6.0	9.8	15.8	8.8
25	15.1	26.0	19.2	76.3	.4	35.9	36.3	2.3
26	16.0	24.0	18.3	86.3	1.1	7.8	8.9	3.7
27	15.2	25.2	19.8	80.7	1.0	0.0	1.0	3.9
28	15.0	27.0	20.0	76.0	0.0	0.0	0.0	8.5
29	14.4	28.0	19.4	79.7	0.0	.4	.4	7.5
30	16.0	25.0	19.4	86.7	1.8	14.5	16.3	2.7
31	16.0	26.0	19.2	81.7	0.0	0.0	0.0	2.1
Total :					54.8	159.0	213.8	162.2
Promedio :	14.9	26.0	19.1	80.9				

Estación : MIGUEL VALENCIA  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : JARDIN

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	13.4	25.0	18.5	78.7	.6	7.9	8.5	4.5
2	14.8	26.2	18.4	80.7	3.6	6.6	10.2	3.8
3	15.2	22.5	17.9	81.0	.7	1.2	1.9	2.0
4	15.0	24.2	17.6	81.3	3.7	1.6	5.3	4.0
5	14.3	25.2	19.2	78.0	0.0	0.0	0.0	5.4
6	14.4	27.3	19.4	77.3	.3	0.0	.3	7.5
7	15.0	27.5	18.9	81.0	0.0	1.9	1.9	6.0
8	15.6	24.0	18.2	85.3	.4	7.4	7.8	2.0
9	15.2	26.0	19.1	78.7	.3	2.2	2.5	6.0
10	14.5	24.0	18.4	82.3	.3	0.0	.3	2.2
11	14.7	26.0	19.2	79.0	1.5	.1	1.6	4.5
12	15.9	24.3	17.9	86.0	7.7	29.8	37.5	1.5
13	14.4	24.4	17.0	86.0	1.4	0.0	1.4	.9
14	14.2	24.0	17.6	83.3	5.4	13.2	18.6	1.8
15	14.0	26.8	19.0	77.3	0.0	.7	.7	3.5
16	15.1	25.0	19.0	82.0	2.4	0.0	2.4	5.8
17	14.7	24.0	18.3	84.0	10.0	.2	10.2	4.7
18	14.2	27.6	19.1	78.7	.6	.2	.8	6.9
19	16.0	26.0	19.1	82.0	1.8	0.0	1.8	3.1
20	15.1	27.7	20.3	80.7	.7	.2	.9	5.3
21	14.8	25.7	19.3	82.7	4.8	2.8	7.6	4.0
22	16.3	24.7	18.9	85.0	1.2	15.7	16.9	.3
23	16.0	22.7	18.4	90.7	12.5	17.2	29.7	.5
24	16.2	26.5	19.5	81.7	1.4	0.0	1.4	4.6
25	15.9	27.8	20.4	78.7	0.0	15.9	15.9	6.4
26	16.0	24.4	19.0	81.0	.4	15.5	15.9	2.8
27	15.3	26.0	19.3	80.3	.7	.3	1.0	4.7
28	16.2	27.7	20.2	79.7	0.0	0.0	0.0	6.4
29	14.4	27.5	20.2	75.7	0.0	.3	.3	8.8
30	16.1	29.2	21.3	71.7	0.0	0.0	0.0	8.4
31								
Total :	—	—	—	—	62.4	140.9	203.3	128.3
Promedio :	15.1	25.7	19.0	81.0				

Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.8	26.2	19.8	75.0	0.0	0.0	0.0	1.6
2	16.8	27.0	20.4	82.0	2.3	0.0	2.3	1.9
3	14.9	25.1	18.7	89.7	7.8	17.7	25.5	2.4
4	15.5	27.3	21.4	71.3	0.0	12.1	12.1	8.3
5	16.9	27.9	20.4	79.0	1.0	17.2	18.2	3.5
6	16.6	28.0	20.2	79.7	0.0	2.8	2.8	5.7
7	16.9	24.8	18.5	88.7	4.1	0.0	4.1	2.3
8	14.7	27.0	19.8	79.3	2.7	.6	3.3	5.6
9	17.0	27.2	19.7	81.0	5.7	0.0	5.7	2.0
10	14.3	28.2	20.8	75.0	0.0	0.0	0.0	8.2
11	15.8	27.7	19.4	79.0	9.9	0.0	9.9	6.3
12	14.6	27.2	18.2	79.3	42.5	0.0	42.5	6.4
13	13.8	21.3	17.8	91.0	2.9	0.0	2.9	0.0
14	14.3	28.0	20.0	75.3	0.0	0.0	0.0	8.1
15	15.7	28.5	19.6	74.0	6.6	8.2	14.8	8.8
16	15.0	23.5	18.3	86.0	0.0	0.0	0.0	1.3
17	13.0	25.4	18.8	79.3	.1	.6	.7	3.9
18	15.9	25.8	19.5	85.0	0.0	4.9	4.9	4.8
19	16.8	26.2	19.8	82.0	0.0	0.0	0.0	2.6
20	16.2	24.7	19.3	87.3	3.5	4.0	7.5	2.1
21	16.0	26.8	19.9	80.3	2.5	.1	2.6	1.9
22	13.5	24.3	17.0	93.3	4.6	0.0	4.6	4.8
23	14.2	25.1	18.5	83.3	1.4	2.7	4.1	2.4
24	16.0	25.3	18.3	83.3	7.6	22.7	30.3	3.2
25	15.4	26.8	19.2	79.0	9.1	4.2	13.3	4.3
26	16.8	26.0	19.0	81.0	0.0	0.0	0.0	2.9
27	13.9	27.0	18.8	82.3	5.2	30.3	35.5	6.4
28	16.0	26.9	19.6	79.3	1.3	24.6	25.9	5.6
29	16.3	26.2	19.6	80.0	1.2	1.2	2.4	5.4
30	16.0	23.8	19.0	84.7	2.5	0.0	2.5	1.9
31	15.4	23.3	19.4	82.7	7.6	11.2	18.8	.6
Total :	—	—	—	—	132.1	165.1	297.2	125.2
Promedio :	15.5	26.1	19.3	81.6				

Estación : MIGUEL VALENCIA  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : JARDIN

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

Noviembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.4	28.0	18.6	81.0	1.6	0.0	1.6	5.8
2	15.1	27.0	19.3	81.7	0.0	0.0	0.0	5.9
3	16.0	28.0	20.2	80.3	0.0	.7	.7	.9
4	16.8	24.0	19.2	82.7	1.7	3.6	5.3	5.1
5	16.0	24.9	18.2	89.0	2.9	3.9	6.8	3.0
6	15.0	25.2	18.8	79.0	.2	4.7	4.9	4.0
7	15.7	22.2	17.6	86.0	6.7	.5	7.2	.7
8	14.0	25.0	18.6	84.3	.6	0.0	.6	1.6
9	15.0	27.5	19.8	76.7	0.0	19.4	19.4	7.9
10	16.0	27.0	19.9	77.7	.3	4.6	4.9	5.9
11	15.2	28.0	19.8	78.7	0.0	4.8	4.8	8.1
12	16.2	26.0	19.5	81.0	5.2	5.1	10.3	4.0
13	15.0	24.0	18.0	94.3	6.3	4.8	11.1	2.1
14	16.2	24.5	18.7	81.3	3.7	0.0	3.7	1.7
15	15.0	23.0	18.0	91.7	9.0	.2	9.2	1.7
16	15.2	25.1	19.5	81.0	.7	0.0	.7	4.4
17	17.0	28.0	19.7	82.7	0.0	0.0	0.0	1.6
18	16.7	25.2	19.0	80.7	2.2	0.0	2.2	4.6
19	16.0	24.0	18.8	86.0	0.0	0.0	0.0	1.6
20	15.2	25.9	19.4	77.7	.1	1.0	1.1	3.5
21	15.7	24.0	18.1	94.3	8.5	.8	9.3	1.5
22	15.4	22.8	18.1	93.0	.5	0.0	.5	0.0
23	13.0	27.0	19.3	73.7	0.0	8.4	8.4	8.7
24	16.6	23.7	19.1	89.3	5.6	11.7	17.3	1.3
25	16.0	25.0	18.8	80.7	.4	.4	.8	3.8
26	15.8	23.0	18.6	87.7	3.5	12.7	16.2	.8
27	15.9	21.2	17.6	95.7	8.6	3.4	12.0	.5
28	16.0	22.0	17.4	92.0	11.6	9.2	20.8	0.0
29	15.6	25.0	18.6	83.0	.4	35.6	36.0	2.0
30	15.0	26.9	18.4	81.0	0.0	5.1	5.1	8.7
31								
Total					80.3	140.6	220.9	101.4
Promedio	15.6	25.0	18.8	84.1				

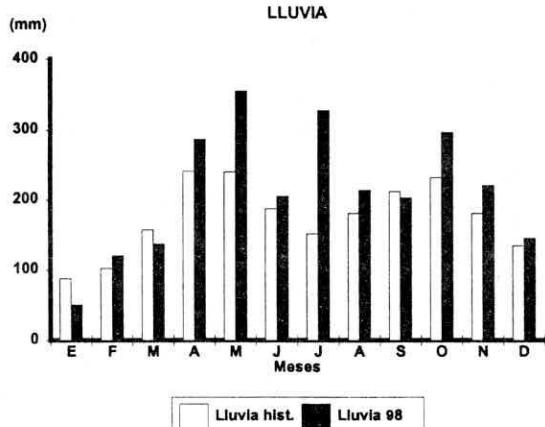
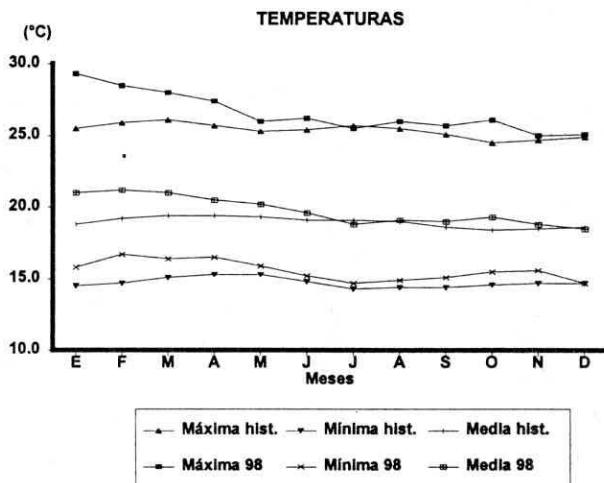
Diciembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.8	26.6	18.4	79.0	0.0	10.0	10.0	5.5
2	16.3	23.4	18.9	95.0	3.9	0.0	3.9	.7
3	16.0	23.0	18.2	85.7	.5	0.0	.5	1.2
4	13.3	24.0	17.6	86.0	0.0	0.0	0.0	.4
5	15.0	23.5	18.4	83.3	5.6	1.0	6.6	2.4
6	14.8	21.2	17.4	90.0	15.8	.4	16.2	2.3
7	16.0	22.0	17.7	87.7	.9	0.0	.9	.3
8	13.0	27.0	18.7	75.3	0.0	4.2	4.2	7.7
9	14.0	26.0	19.0	81.0	.9	.1	1.0	5.8
10	16.6	25.3	19.5	81.7	.8	11.8	12.6	1.7
11	16.0	25.4	19.2	80.7	1.2	4.3	5.5	3.5
12	15.7	26.0	18.9	82.7	4.6	1.7	6.3	3.1
13	14.0	25.3	18.6	81.0	0.0	.3	.3	5.3
14	15.3	25.0	19.0	83.0	7.5	0.0	7.5	3.6
15	16.1	26.0	18.4	81.3	.5	.1	.6	2.4
16	14.8	24.0	18.5	83.7	0.0	0.0	0.0	0.0
17	13.2	26.0	18.2	80.3	.4	0.0	.4	3.5
18	14.0	25.3	18.0	81.0	9.3	4.8	14.1	3.3
19	14.6	26.0	18.1	79.7	.9	0.0	.9	5.5
20	14.0	27.0	19.5	79.7	7.1	2.4	9.5	4.3
21	15.2	26.0	18.8	78.3	0.0	4.7	4.7	3.8
22	15.0	26.4	18.6	78.3	0.0	2.2	2.2	4.0
23	15.1	27.0	19.6	76.3	0.0	4.3	4.3	8.7
24	15.0	25.2	19.1	79.3	0.0	3.8	3.8	3.9
25	14.8	23.1	17.9	89.0	.3	.2	.5	1.6
26	14.3	25.0	18.8	77.7	1.2	9.6	10.8	1.4
27	12.4	25.8	17.4	81.3	0.0	10.2	10.2	4.1
28	15.0	24.0	17.6	88.0	3.2	0.0	3.2	2.7
29	13.0	25.0	17.4	84.7	.5	0.0	.5	2.5
30	14.0	25.4	18.4	80.3	0.0	0.0	0.0	4.2
31	15.1	27.7	19.6	80.0	0.0	4.9	4.9	7.4
Total					65.1	81.0	146.1	106.8
Promedio	14.7	25.1	18.5	82.3				

Estación : MIGUEL VALENCIA  
 Año : 1998

Dpto. : ANTIOQUIA  
 Mpio. : JARDIN

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

MES	TEMPERATURA °C					PRECIPITACION			
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	15.8	29.3	21.0	31.8	13.7	72.9	50.6	13	181.5
Febrero	16.7	28.5	21.2	32.2	13.2	75.4	120.6	18	137.1
Marzo	16.4	28.0	21.0	31.1	14.0	76.5	137.9	25	140.1
Abril	16.5	27.4	20.5	31.2	15.1	79.9	287.5	28	110.4
Mayo	15.9	26.0	20.2	29.4	14.0	79.4	355.4	23	107.7
Junio	15.2	26.2	19.6	29.0	11.8	78.8	205.3	21	157.2
Julio	14.7	25.5	18.8	28.9	12.8	81.0	327.8	23	169.1
Agosto	14.9	26.0	19.1	28.4	13.0	80.9	213.8	25	162.2
Septiembre	15.1	25.7	19.0	29.2	13.4	81.0	203.3	27	128.3
Octubre	15.5	26.1	19.3	28.5	13.0	81.6	297.2	25	125.2
Noviembre	15.6	25.0	18.8	28.0	13.0	84.1	220.9	27	101.4
Diciembre	14.7	25.1	18.5	27.7	12.4	82.3	146.1	28	106.8
Promedio :	15.6	26.6	19.8			79.5			
Absoluta :				32.2	11.8				
Total :							2566.4	283	1627.0



Estación : BERTHA  
Año : 1998

Dpto. : BOYACA  
Mpio. : MONIQUIRA

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

Enero	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.5	28.5	20.0	70.7	0.0	0.0	0.0	6.7
2	9.5	28.9	20.0	53.3	.1	0.0	.1	10.1
3	10.5	30.0	21.6	40.3	0.0	0.0	0.0	10.2
4	11.0	29.8	20.8	57.3	0.0	0.0	0.0	9.9
5	12.1	29.5	20.4	64.7	1.5	.8	2.3	8.3
6	12.5	28.0	20.0	74.3	0.0	.1	.1	7.0
7	14.5	26.5	20.3	76.3	0.0	0.0	0.0	6.5
8	14.5	29.5	20.1	68.0	0.0	0.0	0.0	8.2
9	8.5	28.5	19.7	65.3	0.0	6.6	6.6	9.4
10	12.5	27.9	20.0	84.7	0.0	2.6	2.6	6.9
11	11.6	31.0	20.8	69.3	0.0	0.0	0.0	8.2
12	14.0	28.0	20.8	73.0	0.0	5.9	5.9	1.8
13	14.2	28.5	20.6	71.3	0.0	7.5	7.5	8.4
14	16.7	28.2	20.8	71.7	0.0	0.0	0.0	7.2
15	14.0	30.0	21.3	66.3	0.0	0.0	0.0	9.3
16	11.5	30.6	20.2	64.7	0.0	8.1	8.1	8.7
17	13.5	28.0	20.2	74.0	.2	.1	.3	8.3
18	12.2	29.4	21.0	65.3	0.0	0.0	0.0	9.4
19	12.0	27.5	19.7	72.0	0.0	0.0	0.0	8.4
20	16.0	29.5	19.8	77.3	6.2	0.0	6.2	6.6
21	12.0	30.0	19.8	73.3	0.0	.1	.1	7.8
22	11.5	29.6	20.8	67.3	0.0	3.7	3.7	9.4
23	12.5	30.5	21.4	66.0	0.0	0.0	0.0	9.6
24	12.0	29.2	20.4	70.3	0.0	0.0	0.0	10.0
25	9.2	29.8	20.1	65.0	0.0	0.0	0.0	10.0
26	9.0	29.4	19.4	68.7	0.0	0.0	0.0	9.1
27	10.5	29.5	20.6	65.3	0.0	0.0	0.0	9.4
28	15.0	26.0	20.2	76.0	0.0	0.0	0.0	1.3
29	13.5	29.0	21.6	65.0	0.0	.7	.7	8.1
30	11.5	27.5	20.1	72.7	0.0	0.0	0.0	5.2
31	12.0	31.5	21.3	74.3	.8	.9	1.7	7.0
Total :					8.8	37.1	45.9	246.4
Promedio :	12.4	29.0	20.4	68.5				
Febrero	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.0	30.0	21.6	70.0	0.0	0.0	0.0	7.8
2	13.5	31.0	20.2	72.7	1.0	0.0	1.0	6.8
3	12.0	31.2	22.2	63.0	0.0	0.0	0.0	7.2
4	16.0	28.5	22.0	69.7	0.0	0.0	0.0	5.1
5	14.5	28.0	19.8	79.3	3.6	0.0	3.6	4.9
6	13.0	29.5	21.0	74.7	.3	3.9	4.2	5.7
7	14.5	28.5	21.2	73.3	0.0	31.1	31.1	5.5
8	17.0	24.0	19.4	85.3	.6	7.6	8.2	.3
9	16.8	26.0	19.8	78.3	0.0	4.9	4.9	1.5
10	15.3	23.0	18.6	83.0	.3	.4	.7	6.8
11	15.5	25.0	20.3	78.0	0.0	0.0	0.0	2.6
12	15.0	27.0	20.0	78.7	12.0	.2	12.2	3.0
13	13.9	28.6	20.6	73.0	.1	3.3	3.4	4.8
14	16.4	29.0	19.9	81.3	3.8	2.6	6.4	3.9
15	14.0	29.5	20.5	73.0	2.5	0.0	2.5	7.9
16	14.5	29.0	21.0	61.0	0.0	0.0	0.0	8.5
17	10.7	31.5	21.2	84.7	.1	0.0	.1	9.2
18	12.0	30.0	21.3	65.3	.1	0.0	.1	2.9
19	12.5	30.5	21.2	67.0	.1	0.0	.1	9.4
20	13.0	29.0	20.9	70.7	0.0	0.0	0.0	9.0
21	15.5	29.8	22.0	69.0	0.0	0.0	0.0	7.0
22	16.0	29.5	22.0	65.3	0.0	0.0	0.0	6.9
23	14.0	29.5	21.8	67.7	0.0	0.0	0.0	6.9
24	15.5	29.8	21.9	69.3	0.0	0.0	0.0	6.4
25	15.0	30.0	22.2	66.3	0.0	0.0	0.0	8.6
26	11.5	29.5	20.3	66.7	0.0	0.0	0.0	9.0
27	12.8	29.6	21.8	64.3	0.0	.2	.2	8.8
28	13.0	30.5	21.0	65.3	0.0	0.0	0.0	9.4
29								
30								
31								
Total :					24.5	54.2	78.7	175.8
Promedio :	14.2	28.8	20.9	71.3				

Estación : BERTHA  
Año : 1998

Dpto. : BOYACA  
Mpio. : MONIQUIRA

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín.	Máx.	Med.		Día	Noche	Total	
1	15.5	30.0	22.3	65.0	0.0	0.0	0.0	6.0
2	16.0	29.0	21.6	69.0	0.0	0.0	0.0	7.0
3	12.0	29.1	20.7	71.7	0.0	0.0	0.0	6.1
4	13.0	29.5	19.7	76.7	7.3	0.0	7.3	3.0
5	12.0	29.0	20.3	75.3	10.3	.8	11.1	1.8
6	14.8	28.0	20.0	85.0	1.5	9.9	11.4	3.4
7	15.2	27.5	19.8	79.3	3.3	5.7	9.0	4.1
8	15.0	28.0	20.8	75.7	0.0	0.0	0.0	3.8
9	15.1	29.0	21.4	72.3	.8	.6	1.4	3.4
10	16.5	28.8	22.1	69.0	0.0	0.0	0.0	8.0
11	15.5	29.0	21.2	69.7	0.0	0.0	0.0	7.8
12	13.0	29.1	21.6	67.3	0.0	0.0	0.0	8.8
13	13.5	31.0	21.6	70.0	0.0	8.1	8.1	6.6
14	10.5	28.8	19.0	70.3	0.0	0.0	0.0	4.4
15	13.0	28.5	20.2	69.0	0.0	0.0	0.0	7.6
16	16.0	29.5	21.2	73.3	0.0	1.0	1.0	6.0
17	14.0	30.0	21.8	67.3	0.0	0.0	0.0	6.4
18	12.0	31.0	21.0	70.7	0.0	0.0	0.0	7.8
19	13.0	31.6	22.5	64.0	.3	38.0	38.3	5.8
20	16.2	29.2	21.0	72.7	0.0	9.0	9.0	3.7
21	15.0	28.2	19.6	77.7	14.7	1.9	16.6	9.0
22	15.9	29.0	19.8	76.3	8.6	4.0	12.6	3.0
23	15.0	24.0	19.2	82.7	.6	0.0	.6	3.1
24	14.5	28.0	21.0	76.7	.7	0.0	.7	6.1
25	17.5	28.5	21.4	78.0	0.0	0.0	0.0	4.1
26	15.0	29.0	20.5	74.7	8.3	1.9	10.2	4.5
27	15.3	25.3	19.8	81.7	0.0	0.0	0.0	4.0
28	16.5	26.0	20.2	81.3	12.4	.5	12.9	1.3
29	16.2	25.0	20.4	79.7	0.0	.2	.2	1.3
30	17.0	22.5	18.4	86.0	8.0	1.0	9.0	1.8
31	16.0	25.5	19.6	82.7	2.7	0.0	2.7	1.3
Total :					79.5	82.6	162.1	151.0
Promedio :	14.7	28.3	20.6	74.5				

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín.	Máx.	Med.		Día	Noche	Total	
1	16.5	27.0	21.3	78.7	0.0	17.3	17.3	1.7
2	15.0	28.0	21.2	79.7	0.0	39.3	39.3	6.0
3	16.5	23.0	18.6	87.0	35.6	.7	36.3	.3
4	16.0	26.0	19.8	82.0	4.9	0.0	4.9	.4
5	15.0	27.1	20.9	81.7	.2	52.8	53.0	5.2
6	16.5	26.6	20.8	80.0	1.1	15.5	16.6	3.3
7	15.5	27.5	20.4	78.7	0.0	0.0	0.0	5.8
8	16.5	29.5	22.3	74.3	0.0	1.9	1.9	6.5
9	16.0	28.5	21.8	69.3	0.0	.3	.3	6.4
10	15.0	28.0	21.2	70.3	0.0	0.0	0.0	6.0
11	17.0	27.5	21.4	73.7	.3	52.1	52.4	5.4
12	15.5	26.4	20.4	81.0	.4	.3	.7	4.6
13	16.9	26.5	19.8	80.0	25.2	5.2	30.4	1.5
14	16.4	27.5	21.2	78.7	0.0	0.0	0.0	3.2
15	17.5	29.0	21.2	80.0	6.3	14.3	20.6	4.3
16	17.0	28.8	22.0	76.0	0.0	14.7	14.7	4.7
17	16.5	29.0	22.6	72.7	0.0	4.1	4.1	6.9
18	16.9	27.5	21.2	78.3	0.0	0.0	0.0	2.9
19	16.5	25.4	19.5	83.7	3.0	0.0	3.0	.5
20	16.0	27.1	20.6	82.3	8.8	1.0	9.8	4.1
21	17.5	27.5	21.0	79.7	2.9	0.0	2.9	4.6
22	15.0	27.0	18.9	86.3	4.9	0.0	4.9	2.4
23	13.0	27.5	19.8	79.3	8.7	0.0	8.7	5.5
24	15.0	24.8	19.2	85.7	17.1	.8	17.9	.6
25	15.5	28.0	19.8	80.0	7.3	4.5	11.8	4.6
26	16.7	26.0	19.5	89.7	5.6	2.8	8.4	.8
27	16.0	27.0	19.9	82.0	2.8	0.0	2.8	4.7
28	14.0	28.0	19.5	80.3	2.5	.2	2.7	4.9
29	14.5	27.5	20.2	87.0	2.7	0.0	2.7	4.7
30	14.0	27.8	20.5	74.7	0.0	1.1	1.1	4.2
31								
Total :					140.3	228.9	369.2	116.7
Promedio :	15.9	27.2	20.5	79.8				

Estación : BERTHA  
Año : 1998

Dpto. : BOYACA  
Mpio. : MONIQUIRA

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

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.5	26.5	19.6	84.0	24.3	1.4	25.7	1.6
2	16.0	27.5	20.4	81.3	2.9	0.0	2.9	2.0
3	15.5	24.0	20.1	82.0	.3	4.3	4.6	1.6
4	16.0	22.8	18.4	91.0	7.3	3.2	10.5	.5
5	15.9	23.0	18.0	91.3	2.8	.3	3.1	1.7
6	15.0	26.0	18.4	85.0	27.8	0.0	27.8	2.6
7	14.5	25.0	19.2	85.7	0.0	0.0	0.0	3.6
8	15.8	27.5	19.6	81.0	.1	5.7	5.8	1.9
9	15.5	28.5	19.2	78.0	42.3	0.0	42.3	1.7
10	13.5	29.0	19.6	78.3	3.5	0.0	3.5	7.4
11	15.5	28.5	20.6	78.3	2.8	3.4	6.2	5.9
12	16.0	25.5	19.8	85.0	.1	0.0	.1	.7
13	12.0	27.5	19.8	77.7	.2	0.0	.2	6.0
14	12.5	28.0	20.6	76.3	0.0	5.7	5.7	4.7
15	16.0	25.5	19.8	75.3	0.0	0.0	0.0	.6
16	14.0	28.0	20.9	72.0	0.0	0.0	0.0	4.6
17	14.5	24.0	19.8	83.3	0.0	0.0	0.0	.8
18	17.0	26.5	20.6	79.7	1.6	9.2	10.8	.7
19	16.0	27.8	21.6	76.3	0.0	3.5	3.5	5.3
20	14.0	30.2	22.0	69.0	0.0	0.0	0.0	7.6
21	15.5	29.9	20.4	74.7	6.1	1.4	7.5	6.1
22	15.0	29.0	21.4	80.7	0.0	.2	.2	5.2
23	17.0	24.2	19.8	84.7	13.7	0.0	13.7	.2
24	16.5	26.0	19.8	82.0	12.7	0.0	12.7	1.0
25	14.5	25.0	19.8	87.3	3.9	21.2	25.1	.4
26	16.0	23.8	19.4	86.0	4.3	8.0	12.3	.5
27	17.0	24.2	20.0	83.0	3.5	11.7	15.2	1.3
28	16.0	23.5	17.8	86.3	22.7	2.0	24.7	.2
29	14.5	22.5	18.5	84.7	.6	.1	.7	.2
30	16.5	25.0	19.6	83.0	1.3	.4	1.7	.1
31	12.5	28.3	19.8	78.3	5.1	0.0	5.1	5.6
Total :					189.9	81.7	271.6	82.3
Promedio :	15.2	26.2	19.8	81.3				

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.5	23.0	18.1	94.3	.7	.5	8.3	.1
2	15.5	28.0	20.2	79.3	2.3	2.8	5.1	6.2
3	14.2	26.0	18.8	80.3	13.4	0.0	13.4	1.3
4	14.5	27.0	20.5	75.3	.5	0.0	.5	2.9
5	15.5	26.8	19.3	82.3	.3	0.0	.3	3.0
6	12.0	27.5	19.2	76.3	.5	0.0	.5	4.8
7	13.0	26.0	19.4	79.0	6.4	.8	7.2	1.8
8	15.0	24.0	17.2	94.3	29.3	0.0	29.3	1.6
9	12.5	28.0	19.6	79.0	1.2	.5	1.7	6.2
10	14.8	27.0	20.0	76.3	0.0	0.0	0.0	6.7
11	12.5	29.0	21.1	74.0	0.0	0.0	0.0	5.1
12	13.5	27.0	20.4	62.7	.2	0.0	.2	3.2
13	13.0	29.0	20.8	61.0	0.0	0.0	0.0	7.3
14	14.0	30.0	21.0	74.0	.1	2.1	2.2	7.2
15	15.0	25.1	18.2	86.3	14.5	12.1	26.6	.3
16	14.5	23.5	17.6	88.0	3.0	0.0	3.0	1.2
17	14.0	27.0	20.3	76.3	1.2	12.2	13.4	4.4
18	13.0	27.5	20.4	76.3	.2	6.1	6.3	6.7
19	13.5	29.0	19.8	76.3	6.3	0.0	6.3	5.9
20	15.0	26.5	19.4	81.7	5.5	0.0	5.5	2.3
21	14.0	27.6	19.6	76.3	0.0	0.0	0.0	4.3
22	15.0	26.0	19.2	83.0	1.1	1.1	2.2	1.2
23	15.8	24.2	17.1	93.7	15.9	0.0	15.9	3.2
24	12.0	27.0	18.5	79.3	0.0	0.0	0.0	6.3
25	11.5	28.0	18.2	75.7	15.2	0.0	15.2	5.2
26	11.7	27.2	20.0	79.7	2.0	0.0	2.0	5.5
27	13.5	24.8	18.7	77.3	0.0	0.0	0.0	.1
28	12.5	23.5	17.4	92.7	5.4	0.0	5.4	2.9
29	13.0	26.5	19.2	68.0	0.0	0.0	0.0	3.6
30	11.0	28.0	19.2	73.3	0.0	1.9	1.9	6.6
31								
Total :					132.3	40.1	172.4	117.1
Promedio :	13.6	26.7	19.3	79.1				

Estación : BERTHA  
Año : 1998

Dpto. : BOYACA  
Mpio. : MONIQUIRA

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

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	13.0	28.0	21.6	54.0	0.0	0.0	0.0	7.9
2	12.0	27.5	19.0	75.0	7.3	0.0	7.3	5.5
3	12.5	26.0	17.6	88.7	13.4	13.4	26.8	4.1
4	14.5	25.0	19.3	84.3	.4	6.6	7.0	2.9
5	15.5	24.8	18.7	83.0	7.0	0.0	7.0	1.6
6	14.5	24.5	16.9	90.0	4.9	0.0	4.9	2.2
7	13.0	25.0	17.9	86.0	15.8	3.1	18.9	3.5
8	14.5	24.5	18.6	82.3	12.7	.5	13.2	3.5
9	13.0	26.0	18.5	79.3	.2	.8	1.0	7.7
10	15.0	25.5	18.3	76.7	.8	0.0	.8	1.2
11	12.5	24.3	17.3	84.7	16.4	0.0	16.4	4.8
12	13.0	27.0	19.2	68.7	0.0	0.0	0.0	7.5
13	10.0	28.6	20.0	73.3	0.0	2.5	2.5	6.2
14	14.4	27.0	19.8	73.3	.4	0.0	.4	5.1
15	11.4	26.6	17.7	79.3	5.4	1.3	6.7	4.2
16	13.2	25.3	17.7	79.3	19.7	7.0	26.7	3.8
17	14.4	24.6	18.8	80.7	.4	5.2	5.6	4.1
18	14.9	23.8	19.0	80.3	3.8	0.0	3.8	3.3
19	14.8	24.2	17.4	83.3	8.4	0.0	8.4	4.7
20	11.4	27.8	19.2	72.3	0.0	0.0	0.0	7.5
21	11.2	27.2	19.4	73.3	0.0	.7	.7	5.3
22	15.0	24.5	18.4	76.3	.4	0.0	.4	.5
23	12.0	26.0	18.2	80.3	13.0	0.0	13.0	4.6
24	14.2	25.2	19.1	81.0	0.0	0.0	0.0	3.4
25	11.8	25.8	19.0	77.3	1.5	4.1	5.6	4.6
26	14.6	27.0	19.4	78.7	.9	0.0	.9	3.2
27	15.0	27.6	20.3	78.7	0.0	1.8	1.8	6.5
28	14.6	24.8	18.4	80.7	3.4	0.0	3.4	5.6
29	12.0	26.4	18.2	84.0	2.5	0.0	2.5	3.7
30	14.5	23.5	18.0	78.7	.2	0.0	.2	2.5
31	13.0	25.0	18.9	76.0	0.0	0.0	0.0	3.3
Total :					138.9	47.0	185.9	134.5
Promedio :	13.4	25.8	18.7	78.7				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	13.5	26.5	19.2	77.7	3.7	.1	3.8	4.0
2	11.8	26.7	19.8	68.0	0.0	0.0	0.0	4.2
3	11.2	25.8	19.5	74.0	0.0	0.0	0.0	5.3
4	12.2	26.5	18.2	78.7	1.4	0.0	1.4	1.3
5	13.8	26.0	19.8	76.3	0.0	6.0	6.0	3.1
6	14.0	26.3	18.8	78.0	19.3	26.3	45.6	7.4
7	13.2	23.0	16.6	89.7	3.1	0.0	3.1	1.8
8	14.0	26.0	19.0	81.7	1.0	0.0	1.0	7.4
9	13.8	27.6	19.2	77.3	1.1	5.1	6.2	7.7
10	12.8	26.0	18.4	80.3	28.7	0.0	28.7	5.5
11	10.4	27.5	19.2	68.3	0.0	0.0	0.0	5.8
12	12.8	25.8	16.9	87.3	3.2	0.0	3.2	3.8
13	10.2	25.5	17.8	78.0	1.3	1.7	3.0	5.2
14	11.5	26.8	17.5	80.7	12.9	5.3	18.2	8.0
15	14.0	20.8	17.2	92.3	4.6	0.0	4.6	.9
16	11.8	23.6	16.6	83.7	2.8	0.0	2.8	1.4
17	13.0	24.0	16.6	90.7	5.1	0.0	5.1	3.5
18	10.2	27.4	18.8	77.7	.7	5.2	5.9	7.9
19	14.6	27.6	19.5	77.3	0.0	1.3	1.3	6.6
20	15.0	26.8	18.4	90.0	4.6	47.2	51.8	3.4
21	14.8	24.9	19.0	84.0	.3	8.9	9.2	4.5
22	14.4	25.0	18.6	74.0	0.0	0.0	0.0	4.4
23	12.4	27.0	19.7	77.3	0.0	2.0	2.0	6.6
24	14.6	28.0	19.2	79.3	.8	.3	1.1	5.2
25	15.5	27.0	19.0	83.0	4.3	0.0	4.3	5.0
26	15.0	23.2	17.8	89.3	1.2	0.0	1.2	.2
27	14.6	23.6	17.6	91.3	2.6	0.0	2.6	8.2
28	10.0	27.3	20.2	75.0	0.0	0.0	0.0	5.9
29	11.0	28.0	19.0	76.3	.2	6.8	7.0	6.4
30	13.0	26.2	18.9	81.0	8.3	0.0	8.3	5.0
31	14.4	25.7	19.2	71.3	0.0	0.0	0.0	2.0
Total :					111.2	116.2	227.4	147.6
Promedio :	13.0	25.9	18.6	80.3				

Estación : BERTHA  
Año : 1998

Dpto. : BOYACÁ  
Mpio. : MONIQUIRA

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	12.0	26.7	18.4	78.7	.5	.2	.7	5.2
2	15.0	26.8	18.8	79.0	.1	4.9	5.0	2.7
3	13.2	25.6	17.2	82.7	37.5	0.0	37.5	3.4
4	13.0	27.0	18.7	79.3	3.4	0.0	3.4	7.9
5	12.5	27.2	20.0	72.7	0.0	0.0	0.0	5.3
6	12.0	28.2	20.6	74.7	0.0	0.0	0.0	9.2
7	13.4	28.1	20.2	74.7	0.0	1.3	1.3	7.5
8	15.0	24.7	19.0	80.3	6.5	1.3	7.8	3.3
9	15.1	25.1	18.4	82.3	4.0	0.0	4.0	4.4
10	12.0	25.0	18.8	73.7	3.4	1.2	4.6	1.0
11	14.7	27.1	19.1	77.0	0.0	0.0	0.0	5.4
12	13.2	24.7	18.2	83.3	.9	.4	1.3	1.1
13	14.0	27.2	18.0	78.3	9.5	0.0	9.5	5.5
14	13.9	26.2	17.6	79.3	5.3	16.4	21.7	2.2
15	14.5	25.0	19.2	77.7	.4	5.0	5.4	2.7
16	14.0	27.0	18.3	83.7	.6	0.0	.6	2.6
17	11.0	26.2	18.7	82.0	.4	43.2	43.6	3.9
18	13.0	24.2	18.4	82.7	0.0	4.4	4.4	3.4
19	15.2	27.2	19.0	82.0	7.1	0.0	7.1	3.7
20	12.2	26.8	18.4	82.7	.9	.1	1.0	4.1
21	14.0	26.2	19.4	80.3	0.0	0.0	0.0	2.3
22	14.8	27.0	18.8	82.0	3.5	8.2	11.7	4.5
23	15.0	27.2	18.3	81.7	26.5	0.0	26.5	2.8
24	12.8	27.1	18.8	75.7	2.0	8.7	10.7	5.5
25	12.6	25.1	19.0	79.3	9.0	0.0	9.0	3.7
26	13.6	26.2	18.8	81.7	.4	8.7	9.1	3.2
27	15.6	27.8	20.4	80.0	3.7	2.4	6.1	5.5
28	14.2	26.4	19.3	77.3	1.1	1.8	2.9	6.2
29	13.1	27.0	18.8	80.3	0.0	0.0	0.0	7.3
30	10.9	30.0	20.4	69.7	0.0	0.0	0.0	8.8
31								
Total :					126.7	108.2	234.9	134.3
Promedio :	13.5	26.5	18.9	79.2				
Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.0	28.2	18.6	81.3	1.7	0.0	1.7	2.4
2	12.0	25.7	20.0	67.3	0.0	0.0	0.0	1.6
3	10.0	26.4	18.4	79.0	2.2	5.2	7.4	3.5
4	14.5	28.1	20.3	76.3	.7	12.8	13.5	8.4
5	15.6	28.9	20.6	75.7	0.0	31.8	31.8	6.0
6	15.0	27.8	19.7	80.0	3.6	4.1	7.7	3.3
7	15.6	24.2	19.8	81.7	0.0	21.4	21.4	1.5
8	15.0	29.0	20.0	75.0	2.1	0.0	2.1	5.1
9	15.8	26.8	20.6	74.0	0.0	0.0	0.0	.9
10	11.2	29.4	18.8	73.0	0.0	0.0	0.0	5.4
11	10.8	28.9	19.2	73.3	3.4	0.0	3.4	7.9
12	13.0	28.2	19.4	76.3	1.9	25.9	27.8	7.6
13	15.4	27.0	18.6	78.7	29.6	10.5	40.1	4.5
14	14.8	26.2	18.4	77.7	.4	3.2	3.6	1.4
15	13.0	27.8	18.6	80.7	1.2	.7	1.9	5.7
16	14.8	25.7	19.2	81.3	0.0	11.2	11.2	2.6
17	15.8	27.2	20.1	77.7	1.2	0.0	1.2	5.6
18	16.0	27.6	20.1	77.3	1.9	2.6	4.5	5.6
19	15.6	26.2	19.2	81.0	4.0	10.2	14.2	2.2
20	15.0	24.4	19.1	78.7	.4	6.3	6.7	1.7
21	15.4	26.0	19.6	81.0	3.0	2.9	5.9	6.7
22	14.0	27.0	19.0	75.0	2.6	0.0	2.6	5.2
23	15.0	28.1	19.2	80.0	11.0	11.0	22.0	5.9
24	15.1	26.0	19.2	79.3	10.3	10.3	20.6	5.3
25	15.0	26.2	18.3	81.7	13.8	7.5	21.3	2.6
26	14.8	26.4	19.8	76.7	0.0	4.1	4.1	8.3
27	15.0	26.5	20.1	75.0	0.0	.4	.4	7.4
28	15.2	26.6	19.8	74.0	0.0	0.0	0.0	6.0
29	14.2	26.0	19.2	79.0	0.0	4.8	4.8	5.2
30	14.8	24.0	18.0	85.3	.3	0.0	.3	1.5
31	14.5	27.2	19.8	74.7	1.2	0.0	1.2	3.6
Total :					96.5	186.9	283.4	140.6
Promedio :	14.4	26.8	19.4	77.7				

Estación : BERTHA  
Año : 1998

Dpto. : BOYACA  
Mpio. : MONIQUIRA

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

Noviembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.0	26.8	19.2	72.7	.6	0.0	.6	5.9
2	12.0	27.0	19.8	78.7	2.5	25.8	28.3	7.4
3	14.2	25.6	18.6	80.3	.7	2.1	2.8	5.6
4	14.0	26.0	17.6	93.7	8.5	30.1	38.6	4.8
5	14.2	26.4	19.4	79.3	0.0	4.3	4.3	9.0
6	15.2	26.8	18.6	80.0	2.9	1.0	3.9	5.5
7	13.0	23.0	18.3	83.7	1.6	0.0	1.6	.3
8	14.8	26.8	19.5	75.0	0.0	1.3	1.3	6.7
9	14.9	26.4	18.6	80.3	16.4	5.3	21.7	5.6
10	15.2	26.2	18.9	82.7	3.6	.4	4.0	5.3
11	13.2	26.1	18.4	81.0	13.3	1.4	14.7	5.6
12	14.8	26.8	19.2	77.3	0.0	0.0	0.0	7.3
13	16.4	25.8	19.3	80.0	0.0	0.0	0.0	4.2
14	15.0	26.3	19.5	82.0	3.1	0.0	3.1	3.9
15	13.0	26.2	19.2	79.7	.4	6.1	6.5	5.3
16	16.1	26.0	19.2	81.3	13.7	0.0	13.7	5.5
17	13.8	27.7	20.2	78.7	.6	.1	.7	7.0
18	15.0	26.0	19.2	75.0	0.0	26.4	26.4	4.9
19	14.0	26.4	19.4	79.7	0.0	19.6	19.6	7.6
20	15.2	27.0	18.8	77.3	4.7	1.6	6.3	4.1
21	13.8	26.0	18.7	82.0	5.7	8.4	14.1	4.4
22	16.0	24.0	18.2	86.3	4.1	2.2	6.3	.5
23	14.8	26.0	18.5	76.7	.1	0.0	.1	4.8
24	12.4	25.6	17.6	79.7	0.0	0.0	0.0	9.8
25	13.0	25.5	17.7	76.0	.1	0.0	.1	9.3
26	13.1	25.1	18.2	75.3	0.0	.8	.8	4.7
27	14.9	25.0	18.4	78.7	0.0	0.0	0.0	6.7
28	15.0	24.0	17.6	81.7	0.0	0.0	0.0	6.0
29	14.2	25.5	18.0	76.7	0.0	0.0	0.0	8.2
30	14.0	26.0	18.9	77.0	0.0	0.0	0.0	5.1
31								
Total :					82.6	136.9	219.5	171.0
Promedio :	14.3	25.9	18.8	79.6				

Diciembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.1	26.8	19.4	78.3	0.0	0.0	0.0	5.7
2	11.2	26.2	18.6	76.7	0.0	0.0	0.0	6.2
3	13.0	27.0	19.0	75.7	0.0	.4	.4	7.8
4	15.8	26.2	20.0	75.7	0.0	0.0	0.0	1.6
5	14.3	27.0	18.8	78.7	1.4	1.6	3.0	5.6
6	12.4	25.8	18.3	82.7	24.0	18.8	42.8	4.7
7	15.0	24.6	19.1	81.3	.3	3.0	3.3	2.4
8	14.8	25.0	19.0	77.7	.3	0.0	.3	3.0
9	15.5	24.0	18.5	82.0	3.8	1.3	5.1	3.0
10	16.0	26.0	18.9	79.0	0.0	0.0	0.0	5.9
11	15.2	25.2	18.9	81.7	2.0	1.3	3.3	4.8
12	15.0	25.9	18.0	82.7	2.5	0.0	2.5	4.6
13	14.1	26.0	19.2	80.7	7.6	0.0	7.6	4.0
14	14.0	25.9	19.4	79.3	.4	20.9	21.3	1.8
15	15.0	27.4	19.8	72.3	0.0	0.0	0.0	5.1
16	10.8	25.5	18.4	80.3	3.8	.9	4.7	3.6
17	12.2	26.8	18.2	80.0	1.7	0.0	1.7	5.1
18	13.1	26.2	19.2	79.3	0.0	0.0	0.0	6.6
19	13.0	26.8	18.4	78.7	7.4	0.0	7.4	4.8
20	14.1	26.6	19.4	76.3	0.0	1.4	1.4	6.9
21	15.8	25.8	19.2	78.0	0.0	.2	.2	3.5
22	14.0	26.2	18.6	78.7	0.0	0.0	0.0	9.6
23	10.0	26.7	18.0	72.7	.1	0.0	.1	7.7
24	11.2	28.0	18.7	71.3	0.0	0.0	0.0	5.4
25	9.8	28.2	17.8	75.0	1.9	.7	2.6	6.2
26	15.0	26.0	19.0	78.0	1.5	.4	1.9	2.8
27	15.2	26.1	19.4	76.7	.3	9.2	9.5	4.4
28	15.1	26.2	18.4	81.7	4.0	.1	4.1	4.9
29	15.0	26.3	18.0	81.0	1.4	0.0	1.4	4.2
30	14.0	26.9	19.8	76.0	0.0	1.2	1.2	7.7
31	12.0	26.8	19.5	79.0	3.0	0.0	3.0	6.2
Total :					67.4	61.4	128.8	155.8
Promedio :	13.8	26.3	18.9	78.3				

Estación : BERTHA  
Año : 1998

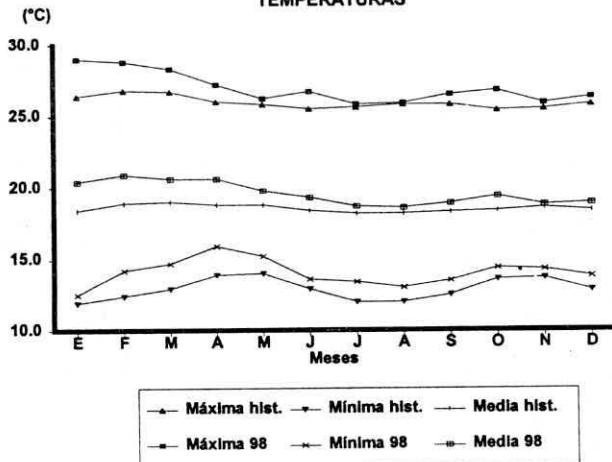
Dpto. : BOYACA  
Mpio. : MONIQUIRA

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

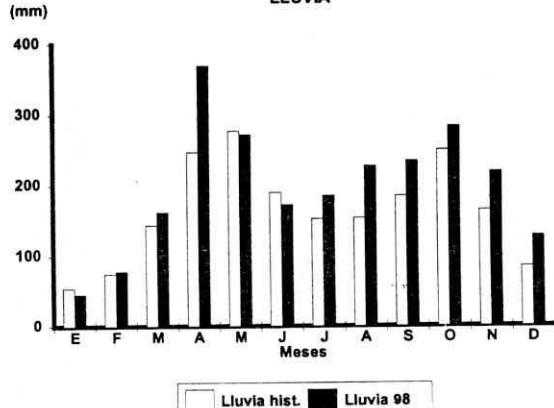
#### TEMPERATURA °C

MES	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	12.5	29.0	20.4	31.5	8.5	68.5	45.9	14	246.4
Febrero	14.2	28.8	20.9	31.5	10.7	71.3	78.7	15	175.8
Marzo	14.7	28.3	20.6	31.6	10.5	74.5	162.1	18	151.0
Abril	15.9	27.2	20.6	29.5	13.0	79.8	369.2	26	116.7
Mayo	15.2	26.2	19.8	30.2	12.0	81.3	271.6	26	82.3
Junio	13.6	26.7	19.3	30.0	11.0	79.1	172.4	23	117.1
Julio	13.4	25.8	18.7	28.6	10.0	78.7	185.9	26	134.5
Agosto	13.0	25.9	18.6	28.0	10.0	80.3	227.4	25	147.6
Septiembre	13.5	26.5	18.9	30.0	10.9	79.2	234.9	24	134.3
Octubre	14.4	26.8	19.4	29.4	10.0	77.7	283.4	27	140.6
Noviembre	14.3	25.9	18.8	27.7	12.0	79.6	219.5	23	171.0
Diciembre	13.8	26.3	18.9	28.2	9.8	78.3	128.8	23	155.8
Promedio :	14.0	26.9	19.6			77.4			
Absoluta :				31.6	8.5				
Total :							2379.8	270	1773.1

#### TEMPERATURAS



#### LLUVIA



□ Lluvia hist. ■ Lluvia 98

Estación : RAFAEL ESCOBAR  
Año : 1998

Dpto. : CALDAS  
Mpio. : SUPIA

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.5	31.4	23.5	67.3	0.0	0.0	0.0	8.1
2	17.0	32.2	24.6	59.0	0.0	0.0	0.0	10.0
3	20.0	33.2	25.3	58.0	0.0	0.0	0.0	8.9
4	18.0	34.1	25.9	55.3	0.0	0.0	0.0	9.9
5	20.0	32.6	25.9	59.7	0.0	0.0	0.0	7.3
6	18.6	30.8	23.9	71.7	0.0	15.3	15.3	5.2
7	19.0	27.4	21.7	92.0	16.9	.2	17.1	3.5
8	17.0	33.7	23.8	57.0	0.0	0.0	0.0	9.8
9	18.1	31.4	24.1	57.0	0.0	0.0	0.0	9.1
10	17.0	31.5	24.5	57.7	0.0	0.0	0.0	9.1
11	18.6	32.7	25.1	58.7	0.0	0.0	0.0	10.3
12	18.8	28.2	23.2	71.3	0.0	0.0	0.0	.8
13	17.8	31.7	22.8	71.0	0.0	0.0	0.0	6.3
14	17.9	29.4	22.2	76.7	0.0	0.0	0.0	2.1
15	18.0	32.1	25.1	60.3	0.0	0.0	0.0	8.9
16	18.7	32.0	22.4	77.7	19.9	.1	20.0	8.4
17	17.3	30.7	24.4	55.7	0.0	0.0	0.0	9.7
18	17.2	32.5	24.3	58.3	0.0	.5	.5	10.1
19	18.6	32.1	24.8	59.7	0.0	0.0	0.0	9.4
20	20.0	28.9	24.1	62.7	0.0	0.0	0.0	3.9
21	17.9	34.2	25.3	58.7	0.0	0.0	0.0	9.2
22	18.1	32.5	25.5	62.0	0.0	0.0	0.0	9.9
23	19.0	33.0	25.3	65.7	0.0	0.0	0.0	9.4
24	19.5	31.7	24.6	64.7	0.0	0.0	0.0	6.8
25	18.0	33.0	24.9	55.0	0.0	0.0	0.0	9.7
26	17.7	33.7	25.2	53.3	0.0	0.0	0.0	9.9
27	18.2	31.7	25.2	56.3	0.0	0.0	0.0	7.0
28	18.9	30.3	25.4	57.7	0.0	0.0	0.0	3.2
29	18.4	34.2	25.5	53.0	0.0	4.0	4.0	8.6
30	19.4	32.7	23.9	72.7	.3	0.0	.3	5.8
31	19.1	32.5	25.9	60.7	0.0	0.0	0.0	9.0
Total :					37.1	20.1	57.2	239.3
Promedio :	18.4	31.9	24.5	62.8				
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.7	35.0	26.0	55.0	0.0	0.0	0.0	9.4
2	19.7	33.7	26.4	53.0	0.0	0.0	0.0	7.7
3	20.1	31.7	25.2	65.7	0.0	0.0	0.0	4.0
4	19.7	33.0	25.9	65.3	0.0	0.0	0.0	7.7
5	21.0	29.4	24.6	70.3	0.0	17.8	17.8	.2
6	19.0	30.7	24.0	69.0	0.0	18.9	18.9	5.2
7	18.9	29.8	23.7	73.7	0.0	1.2	1.2	2.5
8	18.4	22.3	19.8	96.7	41.3	2.0	43.3	0.0
9	18.8	26.9	21.8	82.3	3.0	0.0	3.0	2.7
10	19.0	25.8	22.0	81.3	.6	0.0	.6	.3
11	19.1	27.1	22.7	80.0	.3	0.0	.3	2.4
12	18.9	29.5	23.9	72.0	0.0	0.0	0.0	3.7
13	18.0	31.6	23.3	66.0	0.0	.5	.5	7.3
14	18.7	29.0	22.8	75.3	.5	.2	.7	3.9
15	19.3	31.7	25.0	64.7	0.0	0.0	0.0	8.7
16	19.1	32.6	25.3	59.3	0.0	0.0	0.0	10.2
17	18.8	33.2	26.0	45.7	0.0	0.0	0.0	10.2
18	18.2	31.5	24.9	59.7	0.0	0.0	0.0	7.7
19	20.0	30.1	24.5	66.3	0.0	0.0	0.0	6.2
20	18.2	31.4	25.2	62.7	0.0	1.7	1.7	9.0
21	19.6	31.2	24.3	67.3	0.0	5.9	5.9	6.8
22	18.5	35.0	23.9	70.7	0.0	1.4	1.4	7.1
23	19.4	28.2	23.0	76.0	6.8	0.0	6.8	1.7
24	17.7	29.2	23.8	69.0	0.0	0.0	0.0	4.3
25	17.8	32.4	25.4	61.7	0.0	0.0	0.0	9.7
26	18.7	30.4	23.9	66.7	0.0	0.0	0.0	9.0
27	18.8	32.0	25.1	63.0	0.0	.3	.3	9.3
28	18.6	31.9	23.9	70.3	0.0	0.0	0.0	5.5
29								
30								
31								
Total :					52.5	49.9	102.4	162.4
Promedio :	19.0	30.6	24.2	68.2				

Estación : RAFAEL ESCOBAR  
Año : 1998

Dpto. : CALDAS  
Mpio. : SUPIA

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

Marzo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	31.8	24.4	63.3	0.0	1.8	1.8	7.7
2	19.0	27.3	22.4	77.7	0.0	0.0	0.0	1.7
3	17.8	30.7	23.9	64.7	0.0	0.0	0.0	6.9
4	18.6	32.0	25.2	59.0	0.0	0.0	0.0	9.0
5	19.5	29.2	24.2	68.3	0.0	0.0	0.0	3.9
6	18.1	29.2	24.2	70.7	0.0	.3	.3	4.3
7	19.0	28.1	23.1	79.7	.3	4.8	5.1	1.9
8	19.0	30.5	22.6	73.3	0.0	0.0	0.0	3.3
9	17.7	28.8	22.6	72.0	.4	0.0	.4	5.3
10	18.4	30.1	23.4	68.3	0.0	7.3	7.3	5.8
11	18.6	31.2	24.0	67.3	0.0	0.0	0.0	8.1
12	17.0	33.0	24.4	57.3	0.0	0.0	0.0	9.5
13	18.0	31.8	25.0	55.7	0.0	0.0	0.0	9.4
14	19.1	30.6	24.4	62.7	0.0	0.0	0.0	2.5
15	18.9	30.0	24.2	66.0	0.0	0.0	0.0	7.3
16	19.2	31.1	24.5	66.7	0.0	20.5	20.5	4.3
17	18.3	30.9	25.1	62.7	0.0	0.0	0.0	7.9
18	18.9	33.6	25.8	60.0	0.0	0.0	0.0	9.3
19	19.4	31.2	24.7	67.0	0.0	0.0	0.0	.2
20	19.9	30.0	24.3	68.0	0.0	1.3	1.3	.4
21	18.7	32.4	23.0	69.0	0.0	0.0	0.0	4.5
22	18.7	33.2	22.9	71.3	18.1	4.7	22.8	6.2
23	18.0	24.4	21.1	86.7	0.0	0.0	0.0	.2
24	18.5	29.8	23.6	67.3	0.0	0.0	0.0	2.9
25	18.2	32.2	24.0	64.7	0.0	0.0	0.0	4.1
26	19.0	31.2	22.8	76.3	16.7	.7	17.4	3.5
27	18.0	27.9	22.5	81.3	.3	7.5	7.8	2.0
28	17.4	28.9	23.0	75.3	0.0	0.0	0.0	3.9
29	18.4	29.3	23.1	73.0	0.0	8.7	8.7	2.3
30	19.2	24.3	21.0	91.7	8.2	1.1	9.3	.1
31	18.8	29.5	23.1	76.3	0.0	0.0	0.0	2.5
Total :					44.0	58.7	102.7	
Promedio :	18.6	30.1	23.6	69.8				140.9

Abril	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.8	31.5	24.0	69.7	0.0	7.5	7.5	8.5
2	19.4	28.3	23.6	76.0	2.3	1.7	4.0	2.7
3	19.0	27.5	21.6	84.3	1.5	3.6	5.1	1.7
4	18.1	29.0	23.3	73.3	0.0	0.0	0.0	3.0
5	18.0	31.5	24.0	66.3	0.0	12.6	12.6	6.0
6	19.0	27.4	23.1	79.7	1.6	16.2	17.8	3.4
7	17.8	28.6	22.7	79.3	0.0	0.0	0.0	4.6
8	19.0	27.6	23.5	80.0	0.0	0.0	0.0	3.5
9	20.1	29.3	24.2	75.3	0.0	8.3	8.3	3.0
10	19.5	29.5	24.2	70.7	0.0	1.3	1.3	7.3
11	19.2	26.4	21.3	84.7	9.0	.6	9.6	.6
12	18.0	27.7	22.7	77.3	0.0	0.0	0.0	4.9
13	18.8	27.2	21.0	85.0	1.8	32.4	34.2	1.2
14	18.9	27.7	22.9	80.0	0.0	0.0	0.0	2.0
15	19.0	29.5	23.8	70.3	0.0	0.0	0.0	7.5
16	19.8	28.5	23.7	75.3	0.0	0.0	0.0	5.3
17	19.5	30.0	24.0	72.3	0.0	28.2	28.2	5.3
18	18.9	27.8	23.0	80.3	0.0	40.5	40.5	7.4
19	18.5	25.3	22.0	91.3	.6	2.8	3.4	.1
20	19.0	27.9	22.3	80.3	0.0	0.0	0.0	5.7
21	19.3	28.6	23.1	79.3	0.0	2.4	2.4	4.8
22	19.7	29.0	24.1	76.0	0.0	0.0	0.0	5.5
23	20.0	26.7	23.6	80.3	0.0	.8	.8	0.0
24	19.8	28.0	22.6	82.0	.5	0.0	.5	3.1
25	19.5	29.2	23.4	71.0	0.0	14.3	14.3	6.2
26	19.0	26.0	20.5	92.7	4.2	.1	4.3	.6
27	18.7	29.0	22.7	78.7	0.0	.4	.4	5.1
28	19.4	27.5	21.9	82.7	1.4	0.0	1.4	2.0
29	17.0	29.0	23.4	78.0	0.0	.8	.8	6.4
30	19.0	27.5	22.3	84.0	10.2	0.0	10.2	2.7
31								
Total :					33.1	174.5	207.6	120.1
Promedio :	19.0	28.3	23.0	78.5				

Estación : RAFAEL ESCOBAR  
Año : 1998

Dpto. : CALDAS  
Mpio. : SUPIA

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

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	26.2	21.6	85.0	1.7	10.8	12.5	1.6
2	17.9	26.7	22.0	82.0	0.0	31.8	31.8	2.5
3	18.7	24.7	20.8	88.7	3.4	16.0	19.4	0.0
4	17.1	25.5	21.1	79.0	0.0	3.6	3.6	2.6
5	17.9	26.0	21.2	75.7	0.0	0.0	0.0	3.2
6	19.0	25.7	21.9	73.0	0.0	0.0	0.0	1.4
7	18.8	29.0	22.4	75.0	0.0	0.0	0.0	5.5
8	17.9	27.0	22.2	82.0	0.0	0.0	0.0	1.1
9	18.6	27.3	23.3	77.3	0.0	0.0	0.0	5.4
10	18.4	29.6	23.5	72.0	0.0	0.0	0.0	5.1
11	19.8	28.5	23.3	76.3	0.0	12.5	12.5	4.2
12	18.9	27.0	21.9	78.7	1.4	0.0	1.4	1.6
13	16.2	28.7	23.0	70.0	0.0	0.0	0.0	8.8
14	18.7	29.6	23.8	69.7	0.0	0.0	0.0	5.5
15	19.0	28.4	21.8	83.3	0.0	0.0	0.0	2
16	18.0	30.0	24.2	67.3	0.0	5.6	5.6	6.7
17	18.8	28.2	22.3	87.0	13.0	18.1	31.1	4.2
18	19.4	28.6	23.8	74.0	0.0	0.0	0.0	6.5
19	20.0	29.1	24.0	70.7	0.0	0.0	0.0	7.7
20	20.0	30.4	25.0	68.0	0.0	16.9	16.9	9.8
21	19.0	29.7	23.4	76.0	.2	.3	.5	7.4
22	19.2	30.2	24.6	73.3	0.0	0.0	0.0	9.4
23	20.5	25.2	22.2	92.0	2.5	0.0	2.5	0.0
24	18.2	28.2	23.0	77.7	0.0	1.0	1.0	3.7
25	19.7	27.4	22.8	82.7	1.3	.9	2.2	3.3
26	19.0	28.0	21.7	84.7	8.2	11.5	19.7	3.9
27	18.3	25.0	20.9	84.7	2.2	28.3	30.5	.9
28	18.0	27.6	20.7	88.3	1.6	22.1	23.7	1.3
29	17.8	25.2	21.0	84.3	0.0	0.0	0.0	.3
30	18.1	28.4	21.6	80.3	0.0	0.0	0.0	3.4
31	18.3	28.9	22.1	80.0	.3	4.1	4.4	6.1
Total :					35.8	183.5	219.3	123.3
Promedio :	18.7	27.7	22.5	78.7				

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	25.7	20.9	84.7	.7	0.0	.7	1.3
2	17.5	27.0	20.8	84.3	.4	3.1	3.5	5.1
3	18.1	28.5	22.4	79.7	.3	0.0	.3	1.7
4	18.2	33.2	21.9	73.3	0.0	7.9	7.9	8.5
5	18.5	28.0	22.2	74.0	.1	0.0	.1	3.4
6	18.0	29.2	23.1	68.7	0.0	0.0	0.0	7.6
7	19.2	27.6	22.5	76.0	0.0	0.0	0.0	2.2
8	19.3	28.6	22.3	76.0	0.0	2.3	2.3	3.4
9	18.7	27.6	22.4	75.3	0.0	2.7	2.7	5.0
10	17.7	28.7	22.8	69.3	0.0	0.0	0.0	9.1
11	18.0	28.4	22.4	75.0	.7	0.0	.7	5.8
12	17.9	29.0	23.0	65.0	0.0	0.0	0.0	6.7
13	18.0	29.9	23.9	62.3	0.0	0.0	0.0	10.0
14	18.1	28.3	22.9	71.7	0.0	.2	.2	3.5
15	18.8	24.9	20.8	83.0	1.6	13.9	15.5	0.0
16	17.8	27.4	20.9	83.7	1.5	0.0	1.5	3.2
17	16.0	27.8	21.7	73.3	0.0	0.0	0.0	8.4
18	18.8	28.2	22.8	69.7	0.0	0.0	0.0	6.2
19	18.3	28.0	22.8	72.7	0.0	0.0	0.0	5.2
20	17.9	28.2	22.2	73.3	0.0	1.5	1.5	5.5
21	18.2	27.3	21.5	72.7	0.0	1.7	1.7	7.6
22	18.0	26.6	21.1	80.0	0.0	8.0	8.0	1.4
23	17.9	28.2	21.4	77.0	0.0	0.0	0.0	2.8
24	17.8	28.5	22.7	70.7	0.0	0.0	0.0	7.1
25	17.4	28.0	22.5	74.0	0.0	0.0	0.0	5.6
26	17.8	29.5	23.3	69.3	0.0	0.0	0.0	7.4
27	19.3	27.5	22.6	79.0	.3	.2	.5	.9
28	18.4	28.7	22.5	76.3	.4	0.0	.4	5.4
29	18.7	25.6	21.5	80.7	0.0	0.0	0.0	.4
30	15.6	29.1	22.1	66.0	0.0	0.0	0.0	9.7
Total :					6.0	41.5	47.5	150.1
Promedio :	18.1	28.1	22.2	74.6				

Estación : RAFAEL ESCOBAR  
Año : 1998

Dpto. : CALDAS  
Mpio. : SUPIA

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

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.2	31.3	24.0	53.0	0.0	0.0	0.0	9.7
2	16.9	30.0	22.0	66.0	0.0	0.0	0.0	6.3
3	18.2	29.2	21.7	75.0	2.2	7.8	10.0	6.0
4	17.0	26.4	21.0	80.7	.8	18.0	18.8	3.0
5	17.1	25.0	19.8	85.3	.6	8.6	9.2	.9
6	17.6	26.8	21.7	75.7	0.0	3.6	3.6	5.1
7	16.9	25.7	20.3	79.3	0.0	2.7	2.7	4.3
8	17.8	27.2	22.2	75.0	0.0	12.5	12.5	6.2
9	17.0	26.6	21.2	76.3	.1	0.0	.1	4.1
10	18.4	27.0	22.4	69.3	0.0	0.0	0.0	4.8
11	17.4	27.4	22.7	69.3	0.0	0.0	0.0	5.9
12	17.9	28.9	23.0	71.3	0.0	0.0	0.0	8.8
13	18.2	29.2	23.4	65.7	0.0	0.0	0.0	9.0
14	17.4	26.6	21.5	75.0	.7	0.0	.7	4.1
15	16.7	27.6	21.9	76.3	.3	1.3	1.6	6.3
16	16.8	26.9	21.2	78.3	0.0	42.9	42.9	4.7
17	16.1	26.2	21.5	74.0	0.0	18.0	18.0	7.1
18	17.6	25.4	21.3	80.7	3.1	10.8	13.9	4.9
19	17.8	26.0	21.7	75.0	.8	3.9	4.7	7.0
20	16.0	28.7	21.8	70.7	0.0	0.0	0.0	10.3
21	16.9	28.6	21.9	67.7	0.0	0.0	0.0	7.0
22	18.6	27.8	21.0	81.7	.5	0.0	.5	3.5
23	17.5	27.4	21.9	72.0	0.0	0.0	0.0	7.2
24	18.5	27.6	22.6	74.7	1.4	0.0	1.4	7.2
25	17.6	27.0	20.8	77.7	3.3	0.0	3.3	5.1
26	17.3	28.7	22.2	68.3	.1	0.0	.1	5.8
27	17.2	28.1	22.6	72.7	0.0	12.8	12.8	7.1
28	18.0	27.9	22.5	71.3	0.0	3.4	3.4	6.0
29	17.7	27.8	22.2	74.3	0.0	3.4	3.4	6.1
30	17.8	28.0	21.4	82.3	2.9	0.0	2.9	3.7
31	16.1	28.9	21.5	76.3	0.0	0.0	0.0	2.4
Total :					16.8	149.7	166.5	
Promedio :	17.4	27.6	21.8	73.9				179.6

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.6	28.7	22.1	71.7	0.0	0.0	0.0	7.5
2	18.6	30.1	23.8	69.3	0.0	0.0	0.0	9.6
3	18.9	29.4	22.6	71.0	0.0	0.0	0.0	8.6
4	17.2	28.7	23.2	71.7	0.0	0.0	0.0	9.2
5	18.9	28.8	22.9	74.7	0.0	12.1	12.1	3.6
6	17.3	26.4	20.4	81.7	.2	3.0	3.2	2.0
7	16.9	25.3	20.7	80.0	.1	27.5	27.6	1.8
8	16.6	28.7	20.8	76.7	0.0	0.0	0.0	4.7
9	16.2	28.9	21.6	72.7	0.0	.3	.3	7.3
10	16.7	29.4	23.2	65.3	0.0	2.9	2.9	8.4
11	18.3	28.4	22.8	72.7	0.0	0.0	0.0	8.4
12	16.7	28.4	21.6	74.0	.7	0.0	.7	7.0
13	15.3	28.3	21.5	67.7	0.0	.4	.4	7.7
14	18.0	27.9	22.3	67.7	0.0	8.4	8.4	7.4
15	17.6	24.0	19.8	83.0	.4	0.0	.4	.4
16	16.3	27.6	21.4	73.3	0.0	0.0	0.0	5.4
17	16.9	27.8	21.1	77.7	0.0	0.0	0.0	5.0
18	16.5	28.9	22.5	66.7	0.0	15.4	15.4	7.1
19	16.6	26.5	20.5	77.3	0.0	6.4	6.4	2.3
20	17.2	27.5	21.2	73.7	0.0	13.5	13.5	4.3
21	17.7	27.2	21.8	73.7	0.0	0.0	0.0	5.2
22	16.8	29.2	22.4	71.7	0.0	0.0	0.0	7.6
23	17.0	29.1	23.0	69.3	0.0	0.0	0.0	9.5
24	18.1	29.3	23.6	68.7	0.0	12.8	12.8	7.7
25	16.6	27.0	21.0	82.0	.4	17.4	17.8	3.4
26	17.6	25.8	20.4	85.3	.1	65.2	65.3	4.0
27	16.6	26.6	21.0	79.3	.8	0.0	.8	5.0
28	16.8	28.8	22.7	65.7	0.0	0.0	0.0	10.0
29	17.2	29.2	22.5	70.3	0.0	0.0	0.0	10.0
30	18.3	27.4	22.3	73.0	.9	17.6	18.5	3.2
31	18.2	26.0	21.2	79.0	0.0	0.0	0.0	2.2
Total :					3.6	202.9	206.5	185.5
Promedio :	17.2	27.9	21.9	73.8				

Estación : RAFAEL ESCOBAR  
Año : 1998

Dpto. : CALDAS  
Mpio. : SUPIA

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	27.9	22.0	68.3	0.0	.5	.5	5.3
2	17.0	28.0	21.0	79.3	0.0	10.2	10.2	4.4
3	17.6	24.8	20.2	81.3	0.0	.4	.4	2.0
4	16.8	28.1	21.4	79.7	0.0	.4	.4	6.5
5	17.6	27.9	21.5	73.3	0.0	0.0	0.0	3.8
6	16.3	29.4	22.4	66.7	0.0	0.0	0.0	10.1
7	18.3	28.4	22.0	73.0	0.0	1.6	1.6	5.3
8	17.8	25.6	20.3	86.3	8.5	4.9	13.4	1.3
9	17.0	27.5	22.0	76.3	0.0	0.0	0.0	5.6
10	18.0	26.7	21.3	81.3	0.0	0.0	0.0	3.3
11	17.6	26.4	20.9	82.3	1.5	16.6	18.1	2.1
12	17.4	26.8	19.6	84.3	22.3	20.7	43.0	3.0
13	16.6	27.7	20.6	76.7	.5	.6	1.1	1.3
14	16.7	27.2	20.9	76.3	2.0	44.4	46.4	5.4
15	16.8	26.9	20.2	77.3	.3	0.0	.3	2.4
16	16.7	28.8	22.5	68.0	0.0	0.0	0.0	5.7
17	17.5	27.5	21.2	77.7	0.0	0.0	0.0	6.5
18	16.1	28.9	21.7	71.3	0.0	3.5	3.5	5.5
19	16.8	26.5	21.2	81.7	0.0	0.0	0.0	3.3
20	17.3	27.9	21.8	79.0	0.0	0.0	0.0	5.8
21	17.0	27.5	20.1	83.3	15.8	15.2	31.0	6.2
22	16.9	26.4	21.1	80.0	.2	4.1	4.3	2.6
23	17.5	25.8	20.5	80.7	.8	3.1	3.9	3.4
24	17.4	27.4	21.4	78.7	0.0	0.0	0.0	4.9
25	17.0	29.0	22.2	78.0	.1	11.9	12.0	9.0
26	17.0	27.1	21.5	77.0	0.0	34.2	34.2	4.2
27	16.8	26.8	21.1	81.7	0.0	7.0	7.0	4.8
28	17.4	28.8	21.2	78.3	0.0	.1	.1	7.9
29	16.3	28.2	22.5	72.0	0.0	0.0	0.0	8.2
30	17.9	29.8	23.8	63.0	0.0	0.0	0.0	8.8
31								
Total :	—	—	—	—	52.0	179.4	231.4	148.6
Promedio :	17.1	27.5	21.3	77.1				

Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.3	30.0	23.8	65.0	0.0	1.1	1.1	8.0
2	18.3	27.0	22.6	73.3	0.0	0.0	0.0	3.6
3	17.6	28.0	22.7	72.7	0.0	19.9	19.9	4.9
4	16.3	27.4	21.9	72.0	0.0	0.0	0.0	5.4
5	18.8	28.4	22.6	77.0	0.0	57.0	57.0	5.3
6	16.8	27.1	21.5	78.0	0.0	3.5	3.5	4.3
7	17.3	27.0	21.2	82.7	.5	0.0	.5	4.3
8	17.0	28.9	22.1	73.7	0.0	0.0	0.0	5.3
9	18.2	27.6	22.6	76.3	0.0	0.0	0.0	3.6
10	17.6	29.9	23.4	65.0	0.0	0.0	0.0	8.9
11	18.8	30.1	24.0	66.7	0.0	0.0	0.0	8.4
12	18.7	28.2	20.8	78.3	.5	6.9	7.4	6.7
13	17.0	23.4	20.0	83.0	8.0	0.0	8.0	.7
14	16.8	29.1	22.7	69.7	0.0	14.4	14.4	7.2
15	15.8	28.4	22.0	67.0	0.0	14.3	14.3	9.1
16	16.6	26.8	20.9	79.0	0.0	0.0	0.0	3.9
17	15.1	28.8	21.5	72.0	0.0	7.8	7.8	6.1
18	16.9	28.6	21.9	76.0	0.0	2.6	2.6	6.6
19	17.0	27.2	19.9	84.7	7.6	0.0	7.6	4.4
20	16.7	26.0	20.0	84.0	22.7	0.0	22.7	1.2
21	17.3	27.0	19.6	84.3	3.3	.5	3.8	3.9
22	14.8	25.6	19.4	80.0	7.7	0.0	7.7	3.9
23	16.1	26.3	19.8	84.3	2.0	17.0	19.0	3.3
24	16.6	25.6	20.2	85.0	6.0	38.5	44.5	1.9
25	16.8	26.5	19.6	87.0	17.3	17.0	34.3	4.2
26	16.7	27.4	21.7	76.0	4.6	0.0	4.6	5.5
27	18.7	28.0	21.6	76.3	0.0	.3	.3	6.4
28	18.0	28.8	21.6	77.3	.5	.7	1.2	7.1
29	18.2	29.2	22.9	75.0	0.0	.5	.5	4.6
30	18.4	26.4	21.4	80.7	.6	9.4	10.0	1.9
31	17.7	28.4	20.4	83.7	23.7	3.8	27.5	5.3
Total :	—	—	—	—	105.0	215.2	320.2	155.9
Promedio :	17.2	27.6	21.5	77.0				

Estación : RAFAEL ESCOBAR  
Año : 1998

Dpto. : CALDAS  
Mpio. : SUPIA

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

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	28.0	22.2	76.7	0.0	3.4	3.4	5.0
2	17.8	28.1	22.7	69.0	0.0	0.0	0.0	6.9
3	17.4	29.4	21.6	80.3	.6	0.0	.6	6.4
4	18.1	25.6	20.2	92.3	5.5	4.3	9.8	1.2
5	17.1	27.6	21.2	80.0	0.0	2.2	2.2	3.8
6	17.6	26.4	21.3	79.0	0.0	22.0	22.0	4.2
7	17.0	24.9	20.0	84.7	1.0	.2	1.2	1.4
8	16.9	27.4	20.0	82.3	3.0	.1	3.1	4.5
9	16.6	28.5	22.0	76.3	5.0	31.5	36.5	7.9
10	16.8	27.4	21.6	77.3	.2	4.3	4.5	6.8
11	18.0	28.4	22.0	74.3	.1	0.0	.1	6.2
12	18.2	27.0	20.7	82.3	.4	0.0	.4	2.5
13	17.1	28.0	21.8	75.7	0.0	4.6	4.6	3.7
14	17.2	28.2	21.4	81.3	.2	0.0	.2	3.2
15	18.0	28.4	20.6	83.0	27.0	.8	27.8	2.9
16	17.4	28.4	22.2	75.0	0.0	14.1	14.1	3.7
17	18.7	27.2	22.4	78.0	0.0	0.0	0.0	4.5
18	18.7	28.1	22.1	76.0	0.0	0.0	0.0	4.8
19	16.8	28.4	21.6	75.3	0.0	0.0	0.0	5.6
20	17.5	26.6	20.5	82.7	1.9	1.6	3.5	2.8
21	17.2	27.4	20.6	85.0	.7	9.2	9.9	2.5
22	17.0	22.6	19.2	90.0	1.5	0.0	1.5	0.0
23	15.9	28.9	21.4	75.3	.9	8.8	9.7	9.0
24	17.4	23.5	19.1	96.3	35.7	3.6	39.3	1.1
25	16.8	23.2	19.3	84.0	.8	.6	1.4	1.5
26	16.9	25.2	20.8	81.7	0.0	.7	.7	.7
27	17.8	26.0	20.1	92.7	1.0	23.5	24.5	.8
28	17.0	23.0	18.3	96.3	14.1	52.9	67.0	.2
29	16.2	26.2	20.8	72.0	.3	0.0	.3	3.3
30	17.4	27.9	22.0	72.3	0.0	22.5	22.5	7.2
31								
Total :					99.9	210.9	310.8	114.3
Promedio :	17.3	26.9	21.0	80.9				
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	26.4	21.1	75.0	0.0	.3	.3	5.4
2	17.4	21.4	19.4	89.0	1.9	0.0	1.9	0.0
3	17.0	26.4	20.4	77.7	0.0	0.0	0.0	2.7
4	16.8	26.2	19.9	86.7	.3	0.0	.3	1.1
5	17.6	26.0	21.2	80.0	0.0	0.0	0.0	2.9
6	16.4	24.6	20.2	82.0	0.0	.7	.7	1.8
7	17.8	26.0	20.0	87.0	16.3	0.0	16.3	2.0
8	16.0	28.4	21.7	62.3	0.0	.2	.2	9.4
9	17.8	27.8	22.2	72.3	0.0	21.7	21.7	7.1
10	17.5	25.8	20.9	79.7	0.0	9.8	9.8	2.9
11	17.2	26.4	20.6	82.7	7.5	10.8	18.3	4.4
12	17.9	26.9	21.7	80.0	1.9	1.5	3.4	4.0
13	17.2	27.2	21.1	83.3	0.0	0.0	0.0	4.4
14	17.8	28.3	22.7	73.3	0.0	0.0	0.0	7.3
15	18.8	27.0	22.2	79.0	0.0	0.0	0.0	3.2
16	18.2	24.8	20.9	83.0	0.0	0.0	0.0	0.0
17	17.2	27.0	21.2	75.7	0.0	0.0	0.0	3.7
18	17.0	27.2	22.0	73.7	0.0	.8	.8	4.4
19	17.9	28.9	22.1	72.3	0.0	0.0	0.0	7.4
20	17.1	27.2	21.8	73.7	0.0	0.0	0.0	5.5
21	17.8	26.4	21.0	80.3	.8	.9	1.7	3.3
22	16.6	28.0	21.0	71.7	0.0	0.0	0.0	5.9
23	15.4	28.0	21.4	70.7	0.0	7.9	7.9	9.2
24	16.2	27.4	21.5	72.3	0.0	3.0	3.0	4.5
25	17.4	28.0	19.3	86.3	13.7	0.0	13.7	5.4
26	16.4	27.8	22.0	69.3	0.0	4.2	4.2	4.7
27	16.2	27.9	21.2	75.0	0.0	14.7	14.7	4.2
28	17.6	26.2	20.1	81.7	.5	0.0	.5	4.4
29	16.0	26.1	20.8	80.0	.3	0.0	.3	2.2
30	16.9	27.4	21.2	77.3	0.0	0.0	0.0	4.0
31	16.8	28.9	22.4	74.0	0.0	3.5	3.5	7.8
Total :					43.2	80.0	123.2	135.2
Promedio :	17.1	26.8	21.1	77.6				

Estación : RAFAEL ESCOBAR  
 Año : 1998

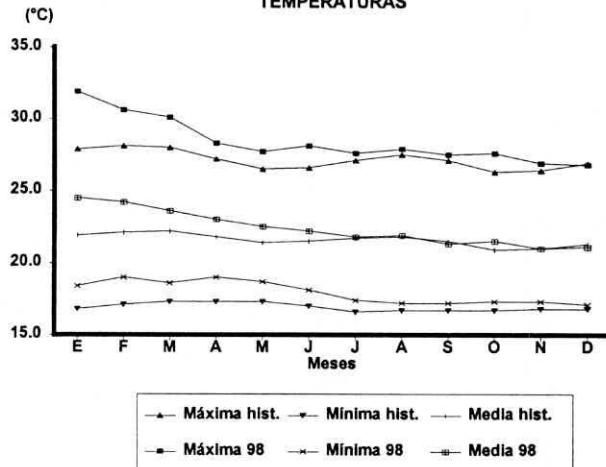
Dpto. : CALDAS  
 Mpio. : SUPIA

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

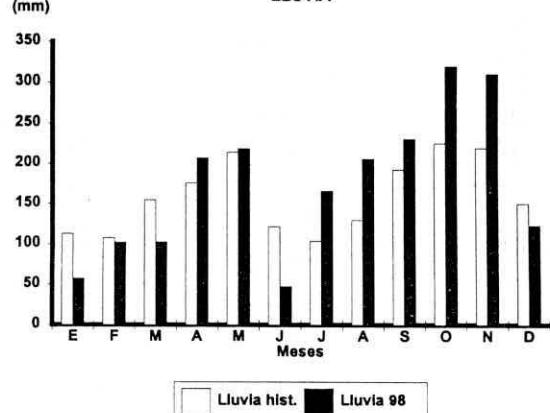
#### TEMPERATURA °C

MES	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	18.4	31.9	24.5	34.2	17.0	62.8	57.2	6	239.3
Febrero	19.0	30.6	24.2	35.0	17.7	68.2	102.4	14	162.4
Marzo	18.6	30.1	23.6	33.6	17.0	69.8	102.7	12	140.9
Abril	19.0	28.3	23.0	31.5	17.0	78.5	207.6	21	120.1
Mayo	18.7	27.7	22.5	30.4	16.2	78.7	219.3	17	123.3
Junio	18.1	28.1	22.2	33.2	15.6	74.6	47.5	16	150.1
Julio	17.4	27.6	21.8	31.3	16.0	73.9	166.5	21	179.6
Agosto	17.2	27.9	21.9	30.1	15.3	73.8	206.5	17	185.5
Septiembre	17.2	27.5	21.3	29.8	16.1	77.1	231.4	19	148.6
Octubre	17.3	27.6	21.5	30.1	14.8	77.0	320.2	24	155.9
Noviembre	17.3	26.9	21.0	29.4	15.9	80.9	310.8	26	114.3
Diciembre	17.1	26.8	21.1	28.9	15.4	77.6	123.2	20	135.2
Promedio :	17.9	28.4	22.4			74.4			
Absoluta :				35.0	14.8				
Total :							2095.3	213	1855.2

#### TEMPERATURAS



#### LLUVIA



Estación : SANTA HELENA  
Año : 1998

Dpto. : CALDAS  
Mpio. : MARQUETALIA

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.2	24.4	20.5	84.3	7.8	.3	8.1	3.1
2	18.8	26.6	22.4	67.0	0.0	0.0	0.0	8.8
3	19.0	27.6	22.1	50.7	0.0	0.0	0.0	10.8
4	18.5	29.2	23.4	54.0	0.0	0.0	0.0	10.7
5	20.0	28.5	24.2	51.7	0.0	0.0	0.0	9.4
6	19.8	26.2	21.8	86.0	0.0	1.3	1.3	3.3
7	17.0	23.5	20.4	83.7	0.0	1.5	1.5	1.3
8	18.5	25.0	21.1	86.3	0.0	0.0	0.0	7.1
9	19.5	24.2	20.9	81.7	0.0	16.1	16.1	2.7
10	18.5	22.5	20.4	85.0	4.8	1.9	6.7	.8
11	19.2	25.5	22.1	80.0	7.9	40.6	48.5	6.6
12	17.0	23.0	20.2	86.7	3.1	0.0	3.1	.1
13	19.5	27.2	22.0	78.0	.3	49.1	49.4	8.0
14	18.0	24.0	21.2	84.0	0.0	39.4	39.4	1.2
15	18.5	25.0	21.7	82.0	18.4	13.7	32.1	3.1
16	18.6	24.5	21.0	86.7	5.5	7.7	13.2	1.7
17	18.5	24.0	20.8	90.0	0.0	0.0	0.0	4.4
18	18.0	25.5	21.5	87.0	0.0	0.0	0.0	6.6
19	18.4	25.0	21.6	89.7	0.0	0.0	0.0	3.2
20	19.0	24.2	20.2	90.7	4.6	0.0	4.6	2.3
21	19.5	26.0	22.6	82.3	0.0	0.0	0.0	9.2
22	19.2	26.5	22.0	88.7	0.0	6.8	6.8	7.0
23	19.5	26.6	22.7	90.0	0.0	1.8	1.8	5.3
24	19.0	23.5	21.0	94.7	2.6	0.0	2.6	1.9
25	19.5	24.5	21.3	89.3	0.0	0.0	0.0	3.8
26	19.0	26.5	22.7	77.0	0.0	3.5	3.5	8.5
27	19.5	24.5	21.2	94.7	.2	0.0	.2	2.8
28	17.7	21.5	19.5	94.7	34.4	0.0	34.4	.5
29	19.0	25.5	21.7	85.0	0.0	9.0	9.0	6.3
30	19.5	23.0	20.8	94.0	.9	0.0	.9	2.0
31	19.6	25.5	22.6	87.0	1.1	.7	1.8	3.5
Total :					91.6	193.4	285.0	146.0
Promedio :	18.8	25.1	21.5	82.7				

Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	25.2	21.5	85.0	.7	0.0	.7	3.7
2	20.0	28.6	25.1	67.7	0.0	0.0	0.0	6.0
3	20.5	27.6	24.0	64.0	0.0	32.7	32.7	5.2
4	19.0	24.7	20.9	93.7	21.0	0.0	21.0	2.3
5	20.0	23.5	21.1	94.3	0.0	0.0	0.0	.5
6	18.3	23.2	21.1	90.3	32.5	10.5	43.0	0.0
7	19.5	24.5	20.5	91.7	13.2	26.2	39.4	1.9
8	17.0	20.2	18.9	97.3	93.3	40.4	133.7	0.0
9	16.8	19.5	17.5	96.7	5.9	2.1	8.0	0.0
10	16.2	18.0	17.0	98.0	0.0	0.0	0.0	0.0
11	17.2	19.5	18.2	96.7	0.0	0.0	0.0	0.0
12	18.2	24.0	20.1	92.0	0.0	0.0	0.0	.8
13	18.8	25.0	21.3	88.7	0.0	75.7	75.7	4.0
14	17.5	25.5	20.2	96.0	4.2	24.4	28.6	2.0
15	18.5	25.2	21.6	87.0	0.0	0.0	0.0	6.6
16	18.4	26.5	23.2	64.7	0.0	0.0	0.0	9.3
17	19.6	29.5	24.3	54.0	0.0	0.0	0.0	10.7
18	20.0	26.6	22.6	83.7	0.0	.9	.9	7.2
19	19.4	25.2	22.0	86.0	0.0	17.9	17.9	5.4
20	18.8	24.4	21.0	93.3	2.0	0.0	2.0	3.8
21	19.6	24.5	21.5	88.3	0.0	14.3	14.3	2.0
22	19.1	25.4	21.7	88.3	7.7	0.0	7.7	5.1
23	19.0	24.0	21.3	84.7	0.0	0.0	0.0	.3
24	19.6	23.5	20.7	85.7	0.0	44.1	44.1	1.7
25	17.2	24.5	21.2	92.3	0.0	0.0	0.0	2.3
26	19.8	25.8	21.2	90.0	0.0	1.1	1.1	5.2
27	19.1	24.5	21.6	92.0	0.0	.2	.2	3.5
28	19.8	24.5	21.7	92.0	0.0	0.0	0.0	3.7
29								
30								
31								
Total :					180.5	290.5	471.0	93.2
Promedio :	18.7	24.4	21.2	86.9				

Estación : SANTA HELENA  
Año : 1998

Dpto. : CALDAS  
Mpio. : MARQUETALIA

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	20.0	24.5	21.6	85.7	0.0	0.0	0.0	1.5
2	19.8	24.8	20.8	90.7	.2	0.0	.2	.4
3	19.5	25.8	22.5	77.3	0.0	0.0	0.0	6.7
4	20.1	26.5	23.0	77.0	0.0	0.0	0.0	5.0
5	20.0	25.4	21.4	95.0	0.0	13.1	13.1	3.2
6	19.5	26.8	22.2	86.0	0.0	8.0	8.0	2.9
7	19.0	24.8	21.8	92.7	0.0	17.2	17.2	1.6
8	17.6	26.2	22.3	82.7	0.0	0.0	0.0	9.3
9	19.8	25.0	21.4	89.0	0.0	0.0	0.0	.3
10	19.8	24.5	21.8	92.0	0.0	21.6	21.6	.2
11	17.5	24.8	20.5	93.0	0.0	1.4	1.4	.4
12	17.6	24.6	20.6	85.3	1.0	0.0	1.0	0.0
13	18.5	26.0	21.5	85.7	0.0	0.0	0.0	0.0
14	17.0	25.0	20.3	94.0	4.9	71.4	76.3	0.0
15	16.4	24.0	20.8	89.3	0.0	72.2	72.2	.5
16	18.5	23.5	20.8	95.0	0.0	1.9	1.9	.4
17	19.2	26.5	22.6	74.0	0.0	0.0	0.0	6.3
18	19.8	28.0	22.8	78.7	0.0	0.0	0.0	7.0
19	20.4	26.2	22.8	91.0	0.0	30.5	30.5	0.0
20	17.0	24.5	20.8	90.0	1.9	0.0	1.9	.3
21	19.0	23.8	21.0	91.3	1.0	0.0	1.0	1.4
22	19.5	26.5	22.2	89.3	0.0	52.0	52.0	5.3
23	16.4	23.5	20.2	89.7	.7	.9	1.6	.2
24	18.2	24.8	20.4	94.0	15.0	6.4	21.4	2.0
25	18.6	24.0	20.8	94.3	1.9	.1	2.0	1.1
26	18.0	24.5	20.8	90.3	54.8	0.0	54.8	1.6
27	19.5	24.0	20.7	93.7	1.4	.1	1.5	.8
28	19.0	20.6	19.8	96.0	0.0	0.0	0.0	0.0
29	18.8	22.5	19.4	98.7	0.0	0.0	0.0	.5
30	18.5	22.2	19.4	95.3	61.5	31.1	92.6	.3
31	18.2	22.5	20.0	95.7	1.2	.5	1.7	.2
Total :					145.5	328.4	473.9	59.4
Promedio :	18.7	24.7	21.2	89.4				

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	25.6	21.9	81.7	0.0	70.6	70.6	5.4
2	18.0	22.5	19.1	96.7	1.2	6.5	7.7	.1
3	18.2	23.5	20.5	92.7	0.0	11.2	11.2	.6
4	18.5	25.0	21.0	84.7	0.0	0.0	0.0	3.7
5	19.5	25.6	22.0	88.3	0.0	56.5	56.5	5.8
6	17.5	22.5	20.3	94.3	.8	8.0	8.8	0.0
7	18.0	22.5	20.4	95.0	0.0	0.0	0.0	.1
8	19.5	25.0	21.2	92.0	.1	0.0	.1	1.3
9	20.0	25.5	22.2	88.0	0.0	.1	.1	4.0
10	19.5	26.0	21.8	88.7	0.0	5.7	5.7	4.2
11	18.5	24.2	20.7	93.7	12.6	15.6	28.2	1.4
12	18.0	23.0	20.4	92.3	0.0	43.9	43.9	3.7
13	18.2	22.2	19.8	96.3	4.0	.2	4.2	0.0
14	18.5	22.2	19.4	95.3	8.3	0.0	8.3	.2
15	19.0	25.5	22.2	80.0	0.0	.5	.5	6.2
16	18.4	24.5	21.0	92.0	40.0	3.1	43.1	1.5
17	19.5	25.4	22.2	90.3	0.0	42.9	42.9	1.3
18	18.6	24.0	20.9	93.7	42.5	4.8	47.3	2.3
19	17.8	22.5	20.4	94.7	0.0	2.5	2.5	0.0
20	18.5	24.2	20.9	93.0	5.0	6.1	11.1	2.2
21	19.0	24.0	20.6	96.0	0.0	0.0	0.0	.6
22	18.2	25.6	21.4	94.3	0.0	0.0	0.0	3.2
23	19.4	23.8	21.2	88.0	0.0	0.0	0.0	2.3
24	19.2	24.0	20.9	92.3	0.0	0.0	0.0	.8
25	18.4	25.6	21.4	88.0	0.0	36.4	36.4	4.0
26	18.0	20.8	19.0	87.0	37.4	0.0	37.4	0.0
27	18.6	24.8	21.5	84.0	0.0	0.0	0.0	3.5
28	19.4	25.4	21.2	88.0	.8	1.7	2.5	3.1
29	18.6	25.4	21.5	85.3	32.5	3.9	36.4	4.7
30	19.2	25.6	21.3	91.7	2.5	0.0	2.5	4.8
31								
Total :					187.7	320.2	507.9	71.0
Promedio :	18.7	24.2	20.9	90.6				

Estación : SANTA HELENA  
Año : 1998

Dpto. : CALDAS  
Mpio. : MARQUETALIA

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

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.8	24.4	20.5	94.7	.3	19.2	19.5	1.2
2	17.4	25.5	20.3	92.3	0.0	1.6	1.6	3.5
3	19.2	24.6	20.0	89.7	9.0	57.1	66.1	.7
4	17.6	23.0	20.2	92.3	3.7	9.9	13.6	.2
5	17.8	21.0	19.2	97.3	9.0	.2	9.2	.1
6	17.8	23.4	19.4	91.0	0.0	0.0	0.0	.5
7	18.0	24.6	20.4	90.3	0.0	4.0	4.0	1.0
8	17.7	24.0	19.8	97.3	5.2	20.4	25.6	1.0
9	18.0	25.2	20.8	84.0	5.0	0.0	5.0	5.9
10	19.0	25.4	22.3	82.3	0.0	0.0	0.0	6.6
11	19.4	26.2	22.4	82.3	0.0	2.8	2.8	7.1
12	18.5	24.6	20.6	84.3	.7	0.0	.7	4.1
13	18.4	24.8	22.1	75.0	0.0	0.0	0.0	7.3
14	19.2	25.6	22.4	87.3	0.0	0.0	0.0	6.0
15	18.6	24.2	20.4	84.0	0.0	0.0	0.0	.2
16	18.8	26.0	22.2	83.3	0.0	0.0	0.0	6.9
17	19.2	24.4	20.9	85.0	0.0	4.1	4.1	1.0
18	17.8	24.0	20.5	83.7	0.0	0.0	0.0	6.1
19	17.4	25.4	21.6	69.7	0.0	0.0	0.0	9.3
20	19.6	27.4	23.7	60.7	0.0	3.4	3.4	10.9
21	19.2	26.6	23.0	73.7	0.0	0.0	0.0	10.9
22	19.4	27.4	23.4	73.0	0.0	0.0	0.0	9.2
23	20.0	24.4	21.2	80.7	0.0	0.0	0.0	.4
24	19.6	26.0	22.0	78.0	0.0	0.0	0.0	5.0
25	19.8	26.2	22.2	81.3	0.0	27.0	27.0	4.1
26	17.2	23.0	20.3	88.7	.5	5.2	5.7	.4
27	18.6	24.0	20.4	95.7	1.0	8.3	9.3	1.1
28	17.6	22.4	19.1	95.0	0.0	9.9	9.9	.7
29	16.8	22.5	19.3	91.7	.1	.4	.5	.3
30	17.6	23.6	20.3	92.3	0.0	.5	.5	1.1
31	19.0	25.4	22.0	87.0	0.0	0.0	0.0	6.5
Total					34.5	174.0	208.5	119.3
Promedio	18.5	24.7	21.1	85.3				

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.5	24.2	20.1	91.7	0.0	.4	.4	.5
2	18.0	24.4	20.7	90.7	0.0	23.2	23.2	6.4
3	16.2	23.4	19.6	91.3	0.0	0.0	0.0	2.6
4	17.5	24.4	20.3	88.0	0.0	0.0	0.0	4.7
5	17.8	25.2	20.5	88.7	0.0	0.0	0.0	5.7
6	17.6	26.4	21.7	76.7	0.0	.3	.3	10.4
7	17.9	22.4	19.8	96.3	0.0	0.0	0.0	.1
8	18.6	23.6	19.8	94.0	3.0	.4	3.4	.1
9	18.8	23.6	20.8	93.3	7.4	.8	8.2	1.6
10	18.4	25.4	21.9	85.3	0.0	0.0	0.0	6.9
11	18.6	25.2	21.2	86.3	2.2	0.0	2.2	3.6
12	18.8	25.8	21.8	80.3	0.0	0.0	0.0	4.8
13	18.4	26.8	22.3	74.3	0.0	0.0	0.0	10.7
14	19.2	26.6	22.6	78.0	0.0	.5	.5	5.3
15	18.0	22.6	19.2	95.3	0.0	0.0	0.0	.1
16	17.4	25.0	19.9	83.3	0.0	0.0	0.0	4.8
17	17.8	23.8	20.3	90.7	0.0	0.0	0.0	2.6
18	18.6	24.6	20.8	94.3	0.0	0.0	0.0	1.3
19	18.2	26.2	21.2	86.0	0.0	.8	.8	6.0
20	18.0	23.8	20.4	89.3	0.0	0.0	0.0	1.8
21	18.2	27.0	22.0	78.0	0.0	14.0	14.0	7.8
22	16.4	24.2	20.0	89.0	0.0	.1	.1	2.1
23	17.4	24.0	19.8	87.3	2.5	.1	2.6	3.0
24	18.2	23.6	21.2	85.3	0.0	0.0	0.0	5.2
25	18.6	26.4	22.8	73.7	0.0	0.0	0.0	7.6
26	19.4	26.6	23.1	74.0	0.0	1.3	1.3	7.5
27	18.6	23.6	20.4	87.0	.7	0.0	.7	1.3
28	18.2	25.2	20.6	77.7	0.0	0.0	0.0	5.0
29	17.0	23.0	20.5	79.0	0.0	0.0	0.0	.4
30	17.6	26.6	22.5	56.7	0.0	0.0	0.0	10.0
Total					15.8	41.9	57.7	129.9
Promedio	18.1	24.8	20.9	84.7				

Estación : SANTA HELENA  
Año : 1998

Dpto. : CALDAS  
Mpio. : MARQUETALIA

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

Julio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.6	26.4	22.5	58.3	0.0	0.0	0.0	9.7
2	19.0	26.6	21.4	71.7	0.0	0.0	0.0	3.7
3	18.2	26.9	22.0	73.7	0.0	.1	.1	7.5
4	17.0	25.0	21.0	86.7	7.0	47.0	54.0	5.6
5	16.2	21.2	18.6	90.7	6.9	0.0	6.9	.1
6	17.5	23.6	19.9	84.3	.6	0.0	.6	3.8
7	16.6	22.6	19.5	88.7	.2	2.3	2.5	1.2
8	17.6	23.0	19.4	93.0	0.0	0.0	0.0	.4
9	17.5	22.6	19.0	88.0	3.7	.9	4.6	1.8
10	17.6	25.1	21.0	81.7	0.0	0.0	0.0	5.9
11	17.5	24.4	20.6	85.7	0.0	0.0	0.0	6.0
12	18.6	25.4	21.6	74.3	0.0	0.0	0.0	9.8
13	17.6	26.5	21.8	67.7	0.0	11.3	11.3	8.4
14	15.4	25.9	21.8	67.3	0.0	0.0	0.0	7.6
15	17.9	24.6	21.0	70.3	0.0	0.0	0.0	7.2
16	17.8	23.8	20.2	81.7	0.0	21.8	21.8	1.3
17	16.0	24.4	20.2	87.3	0.0	1.2	1.2	6.8
18	17.5	23.0	19.9	91.0	2.8	99.8	102.6	2.9
19	15.8	22.2	19.2	87.0	0.0	.6	.6	5.1
20	17.6	26.6	22.6	63.7	0.0	0.0	0.0	11.4
21	17.8	25.8	22.0	70.3	0.0	26.9	26.9	5.4
22	17.0	24.6	19.0	92.0	0.0	0.0	0.0	3.0
23	17.2	24.9	21.2	71.0	0.0	4.7	4.7	7.6
24	17.7	24.4	20.6	82.0	0.0	0.0	0.0	3.9
25	18.0	24.6	20.6	76.7	0.0	8.3	8.3	2.5
26	17.8	24.8	21.7	78.0	0.0	0.0	0.0	9.0
27	18.6	25.8	22.0	78.7	0.0	35.7	35.7	8.9
28	16.8	24.6	19.8	91.7	0.0	9.0	9.0	4.7
29	17.0	24.8	20.8	86.3	0.0	44.8	44.8	5.9
30	15.8	24.0	19.7	85.3	0.0	0.0	0.0	3.2
31	17.8	25.4	21.2	63.3	0.0	0.0	0.0	2.1
Total :					21.2	314.4	335.6	162.4
Promedio :	17.4	24.6	20.7	79.6				

Agosto	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	25.4	21.6	72.7	0.0	0.0	0.0	4.6
2	19.0	26.0	22.6	71.0	0.0	0.0	0.0	9.5
3	19.4	26.4	22.7	66.7	0.0	0.0	0.0	6.3
4	19.2	25.8	21.9	76.3	0.0	0.0	0.0	5.4
5	18.8	26.4	21.5	87.0	0.0	135.0	135.0	6.0
6	15.6	23.0	19.6	78.0	0.0	5.1	5.1	3.0
7	17.2	23.4	19.7	90.3	.1	41.7	41.8	.9
8	16.2	23.4	19.0	92.3	4.7	.2	4.9	4.1
9	17.2	25.0	20.9	83.3	0.0	43.0	43.0	6.7
10	15.6	25.4	20.7	77.7	0.0	4.9	4.9	5.6
11	17.6	25.8	21.4	81.3	0.0	0.0	0.0	7.5
12	18.4	24.8	20.9	73.7	0.0	0.0	0.0	3.6
13	18.2	25.2	21.1	77.7	0.0	1.2	1.2	8.0
14	18.0	25.4	21.2	84.3	0.0	21.1	21.1	7.0
15	15.6	22.4	19.0	89.7	0.0	0.0	0.0	2.1
16	17.8	23.8	20.8	79.3	0.0	0.0	0.0	4.6
17	17.4	25.4	21.0	79.3	0.0	0.0	0.0	4.4
18	17.8	25.0	20.6	87.3	0.0	29.0	29.0	6.5
19	16.5	24.8	20.4	84.3	1.0	15.5	16.5	6.8
20	17.0	23.6	19.6	85.3	2.3	27.2	29.5	2.5
21	17.4	22.4	19.2	93.3	3.5	0.0	3.5	1.6
22	17.0	25.4	21.8	78.7	0.0	0.0	0.0	7.6
23	18.0	25.2	21.8	63.7	0.0	0.0	0.0	9.9
24	17.6	26.4	21.4	77.3	0.0	1.0	1.0	8.7
25	17.4	24.8	20.6	89.3	0.0	26.0	26.0	3.7
26	16.4	23.6	19.9	87.7	0.0	17.0	17.0	3.9
27	16.6	23.4	19.8	90.7	0.0	0.0	0.0	2.5
28	18.0	26.6	22.2	73.7	0.0	0.0	0.0	10.3
29	17.5	25.6	21.7	73.3	0.0	19.0	19.0	7.7
30	16.0	24.4	20.0	82.3	.5	0.0	.5	3.7
31	18.2	24.8	20.8	70.7	0.0	0.0	0.0	5.2
Total :					12.1	386.9	399.0	169.9
Promedio :	17.4	24.8	20.8	80.6				

Estación : SANTA HELENA  
Año : 1998

Dpto. : CALDAS  
Mpio. : MARQUETALIA

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

Septiembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.2	25.4	20.7	81.7	0.0	2.0	2.0	8.1
2	17.2	24.0	20.4	89.3	0.0	4.0	4.0	3.7
3	16.4	23.4	19.2	90.0	0.0	8.0	8.0	2.7
4	17.4	25.0	20.6	92.0	0.0	3.0	3.0	6.9
5	16.0	24.2	20.2	82.3	6.1	0.0	6.1	7.1
6	18.0	25.8	21.4	86.3	0.0	1.8	1.8	9.0
7	17.4	25.9	21.0	83.0	0.0	21.6	21.6	3.4
8	17.8	23.4	19.9	85.0	0.0	6.1	6.1	1.3
9	17.4	24.4	20.4	83.0	0.0	7.6	7.6	4.3
10	15.4	25.1	20.8	73.3	7.6	2.8	10.4	5.8
11	17.0	24.0	20.0	90.0	1.2	0.0	1.2	2.8
12	17.1	24.2	18.9	85.3	2.9	6.8	9.7	5.5
13	17.0	24.4	20.4	78.7	0.0	20.0	20.0	4.6
14	16.4	24.8	21.0	80.3	0.0	21.6	21.6	5.3
15	16.0	24.8	20.3	83.0	1.1	0.0	1.1	6.1
16	17.2	26.4	21.6	81.3	0.0	0.0	0.0	9.7
17	18.2	26.5	21.8	83.0	0.0	2.0	2.0	6.1
18	17.8	24.9	20.4	91.0	0.0	0.0	0.0	4.8
19	17.8	24.1	20.8	82.0	15.8	2.5	18.3	4.3
20	18.2	25.4	21.7	81.0	0.0	5.0	5.0	5.6
21	16.6	25.1	21.2	82.3	0.0	23.5	23.5	4.9
22	17.2	23.2	20.5	89.7	0.0	28.6	28.6	4.4
23	16.6	24.6	19.8	91.3	1.7	44.5	46.2	1.8
24	17.0	23.2	19.8	91.3	0.0	0.0	0.0	1.6
25	17.4	23.8	20.3	87.7	0.0	9.9	9.9	3.7
26	15.9	22.9	19.4	95.0	0.0	9.7	9.7	2.8
27	16.8	24.1	20.1	88.0	1.4	2.9	4.3	3.5
28	17.0	24.9	20.7	87.3	0.0	0.0	0.0	4.7
29	17.9	24.9	21.0	86.7	0.0	0.0	0.0	5.1
30	18.9	27.2	23.4	76.3	0.0	0.0	0.0	8.4
31	—	—	—	—	—	—	—	—
Total :	—	—	—	—	37.8	233.9	271.7	144.0
Promedio :	17.1	24.7	20.6	85.2	—	—	—	—

Octubre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.2	26.8	22.8	66.7	0.0	0.0	0.0	2.3
2	18.8	25.2	21.8	72.7	0.0	0.0	0.0	3.1
3	18.4	24.7	20.9	89.7	0.0	9.6	9.6	3.8
4	16.8	24.9	20.4	90.0	0.0	3.0	3.0	7.0
5	17.2	25.1	21.6	81.7	0.0	82.7	82.7	8.5
6	16.4	24.8	20.6	88.3	1.0	8.5	9.5	1.4
7	17.4	23.1	20.1	90.3	22.2	38.5	60.7	1.3
8	17.2	25.1	21.8	85.7	0.0	15.7	15.7	8.3
9	17.0	24.8	20.6	90.7	.7	0.0	.7	.4
10	18.2	25.8	22.2	64.7	0.0	0.0	0.0	9.1
11	18.0	27.0	22.9	77.7	0.0	0.0	0.0	10.0
12	18.4	25.1	21.6	90.0	0.0	48.8	48.8	4.3
13	16.2	24.4	19.6	91.3	0.0	0.0	0.0	3.6
14	17.4	23.8	20.8	85.7	0.0	0.0	0.0	2.4
15	17.8	25.1	21.0	88.3	0.0	63.6	63.6	3.6
16	17.2	23.5	19.4	96.0	0.0	0.0	0.0	2.2
17	18.0	24.8	20.2	90.3	0.0	19.3	19.3	4.6
18	16.8	22.8	19.8	93.3	0.0	6.4	6.4	3.2
19	17.2	22.0	19.6	93.7	2.2	.2	2.4	1.1
20	17.8	23.0	19.8	94.0	0.0	0.0	0.0	1.7
21	17.6	24.0	19.9	90.7	16.7	3.6	20.3	1.7
22	17.2	23.8	19.7	85.3	1.7	2.2	3.9	3.7
23	17.4	24.4	20.9	82.7	0.0	59.4	59.4	5.0
24	16.2	22.9	19.4	90.0	3.5	48.2	51.7	2.0
25	16.5	23.0	19.0	90.3	0.0	2.0	2.0	3.2
26	17.4	24.0	20.5	92.3	0.0	1.3	1.3	4.7
27	17.9	24.2	20.6	86.7	0.0	41.0	41.0	6.3
28	17.0	24.8	20.0	86.3	.2	.1	.3	6.6
29	17.8	23.4	19.8	89.7	0.0	16.9	16.9	2.7
30	17.2	23.8	20.0	90.7	0.0	9.0	9.0	2.7
31	18.0	23.4	20.0	93.3	1.5	6.2	7.7	.9
Total :	—	—	—	—	49.7	486.2	535.9	120.4
Promedio :	17.5	24.3	20.6	87.1	—	—	—	—

Estación : SANTA HELENA  
Año : 1998

Dpto. : CALDAS  
Mpio. : MARQUETALIA

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

Noviembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	23.2	19.7	92.7	0.0	4.9	4.9	2.5
2	17.8	24.1	20.8	94.0	0.0	133.0	133.0	5.4
3	16.8	24.0	20.4	90.0	0.0	12.3	12.3	2.4
4	17.4	24.2	19.9	90.0	11.3	23.0	34.3	1.3
5	17.1	23.2	20.0	93.7	0.0	14.8	14.8	1.8
6	16.4	24.1	19.4	77.3	17.1	7.2	24.3	2.7
7	17.8	21.7	19.4	87.7	.1	0.0	.1	.1
8	17.2	24.0	19.8	91.3	0.0	58.5	58.5	4.2
9	17.2	23.1	19.8	92.0	0.0	30.6	30.6	4.4
10	16.4	22.8	19.5	92.7	0.0	4.4	4.4	2.8
11	17.6	24.1	20.6	86.3	0.0	9.8	9.8	6.6
12	17.8	24.0	20.0	91.7	.9	64.4	65.3	3.0
13	17.0	23.2	20.0	92.7	7.7	7.3	15.0	1.1
14	16.8	24.0	20.0	85.3	0.0	0.0	0.0	2.2
15	18.0	23.4	20.5	87.7	0.0	3.8	3.8	2.8
16	17.8	23.2	20.2	93.0	0.0	0.0	0.0	3.0
17	18.2	24.6	21.0	83.0	0.0	0.0	0.0	4.7
18	18.6	24.6	20.4	96.3	0.0	30.1	30.1	1.7
19	17.8	23.8	20.7	90.0	0.0	2.4	2.4	2.5
20	17.2	23.8	19.4	93.7	0.0	0.0	0.0	1.2
21	17.2	22.9	19.4	88.3	3.8	103.7	107.5	3.9
22	16.4	23.4	18.6	89.0	2.3	2.1	4.4	1.5
23	16.4	23.2	19.3	87.7	.3	9.5	9.8	5.2
24	17.8	22.2	18.6	84.7	1.9	.2	2.1	.6
25	17.2	23.1	19.6	85.3	0.0	2.2	2.2	2.7
26	16.2	21.9	19.2	85.7	0.0	.3	.3	.4
27	17.1	22.1	19.2	92.7	.2	13.5	13.7	.1
28	16.1	22.2	18.9	84.7	.7	5.6	6.3	1.0
29	17.0	23.8	19.3	89.0	0.0	85.3	85.3	5.1
30	17.1	23.0	19.6	94.3	0.0	6.9	6.9	4.5
31								
Total	—	—	—	—	46.3	635.8	682.1	81.4
Promedio :	17.2	23.4	19.8	89.4				

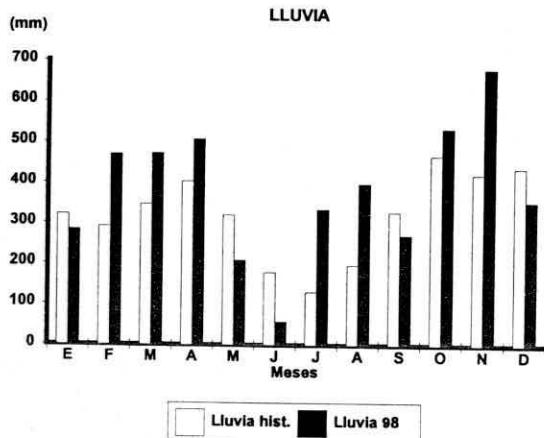
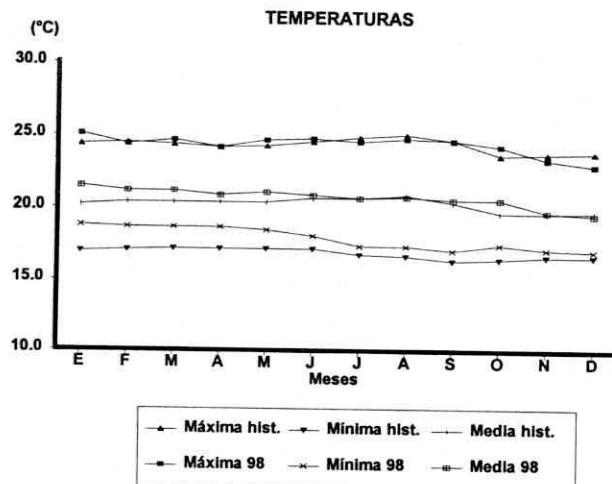
Diciembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	23.4	20.2	89.0	0.0	25.2	25.2	2.6
2	16.8	22.1	18.8	91.7	0.0	2.5	2.5	1.0
3	17.4	22.4	19.2	92.0	9.6	1.1	10.7	.9
4	17.2	22.2	19.4	91.3	4.0	0.0	4.0	2.1
5	17.1	22.8	19.8	93.7	.5	5.4	5.9	2.5
6	16.4	22.8	19.3	92.0	0.0	11.6	11.6	3.4
7	16.8	22.2	19.1	94.7	1.0	10.0	11.0	.3
8	16.8	22.6	19.7	92.3	.4	.4	.8	1.5
9	17.1	22.4	19.0	93.0	.3	4.7	5.0	2.1
10	17.2	23.1	19.8	92.3	2.5	42.3	44.8	2.3
11	16.4	23.8	19.6	92.7	.3	1.0	1.3	2.2
12	17.8	23.7	19.8	93.7	.1	48.7	48.8	3.5
13	17.1	24.1	20.4	87.7	0.0	7.0	7.0	1.6
14	18.2	23.2	20.5	92.3	0.0	.2	.2	1.9
15	17.8	24.8	20.4	85.3	0.0	0.0	0.0	7.1
16	17.9	24.1	20.4	86.7	0.0	0.0	0.0	2.9
17	17.4	23.1	20.0	91.3	0.0	1.5	1.5	.7
18	17.9	23.5	19.8	89.7	0.0	13.0	13.0	2.6
19	16.2	23.8	19.7	89.0	0.0	.6	.6	5.4
20	16.8	24.2	19.4	94.0	0.0	10.1	10.1	6.3
21	16.9	21.4	18.6	89.0	4.5	.7	5.2	.4
22	17.2	22.1	19.4	86.7	0.0	42.6	42.6	5.1
23	16.8	23.4	19.4	90.7	.4	28.7	29.1	4.4
24	15.2	23.1	19.0	84.7	0.0	0.0	0.0	5.2
25	17.0	23.0	19.4	90.3	0.0	34.6	34.6	2.4
26	17.2	22.4	19.4	92.3	16.2	16.1	32.3	1.7
27	16.4	22.5	19.2	93.0	0.0	0.0	0.0	2.0
28	17.6	22.4	19.5	93.7	0.0	5.0	5.0	1.5
29	17.0	22.6	19.3	92.7	2.3	0.0	2.3	2.6
30	17.2	23.2	19.2	88.0	0.0	.4	.4	1.8
31	17.4	23.8	20.0	92.0	0.0	0.0	0.0	1.4
Total	—	—	—	—	42.1	313.4	355.5	81.4
Promedio :	17.1	23.0	19.6	90.9				

Estación : SANTA HELENA  
Año : 1998

Dpto. : CALDAS  
Mpio. : MARQUETALIA

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

MES	TEMPERATURA °C					PRECIPITACION			
	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	18.8	25.1	21.5	29.2	17.0	82.7	285.0	21	146.0
Febrero	18.7	24.4	21.2	29.5	16.2	86.9	471.0	17	93.2
Marzo	18.7	24.7	21.2	28.0	16.4	89.4	473.9	21	59.4
Abril	18.7	24.2	20.9	26.0	17.5	90.6	507.9	23	71.0
Mayo	18.5	24.7	21.1	27.4	16.8	85.3	208.5	18	119.3
Junio	18.1	24.8	20.9	27.0	16.2	84.7	57.7	13	129.9
Julio	17.4	24.6	20.7	26.9	15.4	79.6	335.6	17	162.4
Agosto	17.4	24.8	20.8	26.6	15.6	80.6	399.0	17	169.9
Septiembre	17.1	24.7	20.6	27.2	15.4	85.2	271.7	24	144.0
Octubre	17.5	24.3	20.6	27.0	16.2	87.1	535.9	23	120.4
Noviembre	17.2	23.4	19.8	24.6	16.1	89.4	682.1	26	81.4
Diciembre	17.1	23.0	19.6	24.8	15.2	90.9	355.5	26	81.4
Promedio :	17.9	24.4	20.7			86.0			
Absoluta :				29.5	15.2				
Total :							4583.8	246	1378.3



Estación : LLANADAS  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANZANARES

Latitud : 5 ° 12' N  
Longitud : 75 ° 8' W  
Altitud : 1420 m

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.5	27.2	21.5	76.3	0.0	0.0	0.0	
2	17.9	29.0	22.8	64.0	0.0	0.0	0.0	
3	15.8	29.4	21.1	61.0	0.0	0.0	0.0	
4	15.4	29.9	22.0	63.7	0.0	0.0	0.0	
5	17.2	30.5	22.3	60.3	0.0	0.0	0.0	
6	18.3	26.1	22.2	74.3	0.0	0.0	0.0	
7	18.0	26.2	21.6	77.7	3.4	0.0	3.4	
8	18.5	28.2	22.0	70.0	0.0	0.0	0.0	
9	16.7	26.8	22.0	69.3	0.0	1.3	1.3	
10	18.0	25.5	21.4	74.7	0.0	0.0	0.0	
11	18.3	27.8	22.0	71.0	0.0	0.0	0.0	
12	18.0	25.4	21.5	80.3	4.6	6.1	10.7	
13	18.6	27.8	21.8	73.3	8.2	4.9	13.1	
14	18.2	24.0	21.2	79.0	0.0	1.7	1.7	
15	18.0	27.3	22.2	76.3	1.0	0.0	1.0	
16	17.1	28.2	22.6	71.0	0.0	0.0	0.0	
17	18.7	26.8	22.2	75.3	0.0	0.0	0.0	
18	17.3	26.4	21.6	74.3	0.0	0.0	0.0	
19	17.7	25.8	20.9	73.7	0.0	13.8	13.8	
20	18.8	23.8	20.0	86.0	8.6	0.0	8.6	
21	17.5	29.6	22.8	70.0	0.0	0.0	0.0	
22	17.2	28.5	22.6	68.0	0.0	0.0	0.0	
23	19.0	27.9	22.6	78.0	0.0	13.9	13.9	
24	18.9	26.5	21.9	80.0	0.0	0.0	0.0	
25	17.8	27.8	22.2	69.7	0.0	0.0	0.0	
26	18.2	27.4	21.8	66.7	0.0	0.0	0.0	
27	17.2	28.2	22.6	72.0	0.0	27.3	27.3	
28	18.0	24.2	20.4	86.0	14.8	0.0	14.8	
29	17.9	28.2	22.2	73.3	0.0	0.0	0.0	
30	18.2	26.3	21.5	80.7	0.0	0.0	0.0	
31	19.8	28.5	23.4	78.0	15.4	3.9	19.3	
Total :					56.0	72.9	128.9	
Promedio :	17.9	27.3	21.9	73.4				

Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	29.3	23.2	69.7	0.0	0.0	0.0	
2	19.8	32.8	25.0	51.7	0.0	0.0	0.0	
3	19.0	31.2	24.2	64.3	0.0	0.0	0.0	
4	19.0	27.8	21.9	81.7	2.1	0.0	2.1	
5	18.9	26.7	22.4	81.7	0.0	.1	.1	
6	19.7	26.9	21.2	83.3	3.8	0.0	3.8	
7	19.2	28.2	22.4	76.0	5.2	23.9	29.1	
8	18.0	21.2	20.0	90.7	30.0	31.4	61.4	
9	17.9	25.8	20.3	80.0	7.8	1.9	9.7	
10	17.1	20.3	18.5	87.7	0.0	.2	.2	
11	17.0	24.4	20.0	83.3	0.0	0.0	0.0	
12	19.0	28.2	22.5	76.3	0.0	1.9	1.9	
13	18.0	26.0	22.4	73.0	0.0	32.0	32.0	
14	18.1	29.0	22.4	67.0	1.5	9.7	11.2	
15	18.0	29.1	22.7	74.7	0.0	0.0	0.0	
16	16.0	29.0	22.0	65.0	0.0	0.0	0.0	
17	17.3	32.0	23.7	48.3	0.0	0.0	0.0	
18	18.8	28.9	23.4	67.0	0.0	0.0	0.0	
19	18.3	29.9	23.5	68.3	0.0	0.0	0.0	
20	18.6	28.6	23.1	69.0	0.0	20.7	20.7	
21	18.8	27.0	22.5	75.3	0.0	3.7	3.7	
22	19.5	27.4	22.9	77.0	0.0	0.0	0.0	
23	19.2	27.0	22.6	73.3	0.0	0.0	0.0	
24	19.0	26.9	22.3	73.3	0.0	2.6	2.6	
25	18.8	28.6	23.0	75.7	0.0	0.0	0.0	
26	18.5	28.2	22.5	75.3	0.0	0.0	0.0	
27	18.0	28.6	22.6	70.7	0.0	0.0	0.0	
28	19.6	28.4	23.5	70.0	0.0	2.9	2.9	
29								
30								
31								
Total :					50.4	131.0	181.4	
Promedio :	18.5	27.8	22.4	73.2				

Estación : LLANADAS  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANZANARES

Latitud : 5 ° 12'N  
Longitud : 75 ° 8'W  
Altitud : 1420 m

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	27.2	22.8	76.7	0.0	51.3	51.3	
2	18.9	26.0	21.9	83.7	0.0	0.0	0.0	
3	18.2	29.0	22.6	64.0	0.0	0.0	0.0	
4	18.8	29.5	23.4	69.7	0.0	0.0	0.0	
5	19.0	28.4	23.2	69.0	0.0	.2	.2	
6	18.8	30.3	23.7	71.0	7.6	1.7	9.3	
7	19.8	29.0	23.4	72.3	0.0	32.4	32.4	
8	18.8	28.3	22.2	69.7	0.0	0.0	0.0	
9	18.0	28.1	21.9	82.7	0.0	4.3	4.3	
10	19.2	28.6	23.1	76.0	.6	2.1	2.7	
11	18.2	28.8	22.8	74.0	0.0	1.8	1.8	
12	17.8	27.0	22.2	72.0	0.0	.6	.6	
13	18.0	27.1	22.5	70.3	0.0	0.0	0.0	
14	19.0	28.8	23.0	71.7	0.0	9.5	9.5	
15	17.8	27.2	22.0	73.3	0.0	10.2	10.2	
16	19.0	26.8	22.2	78.3	.6	1.4	2.0	
17	19.0	27.5	22.1	77.7	0.0	0.0	0.0	
18	18.0	30.0	23.6	68.3	0.0	3.6	3.6	
19	18.1	28.5	23.5	72.3	0.0	11.0	11.0	
20	18.0	26.7	21.9	80.7	1.9	0.0	1.9	
21	17.8	25.9	21.5	79.3	0.0	0.0	0.0	
22	19.2	27.8	23.0	78.3	0.0	28.7	28.7	
23	17.9	26.2	21.9	80.0	1.3	10.9	12.2	
24	18.5	27.1	22.0	81.3	2.6	0.0	2.6	
25	18.8	26.9	21.7	84.7	19.3	2.9	22.2	
26	18.9	28.0	22.4	81.3	.2	.5	.7	
27	18.6	26.1	21.4	81.7	.9	0.0	.9	
28	18.5	23.2	20.0	89.3	6.0	.8	6.8	
29	18.8	24.2	21.0	84.7	5.0	25.0	30.0	
30	18.5	22.5	20.0	87.0	24.0	24.0	48.0	
31	18.2	25.0	21.4	82.0	2.5	0.0	2.5	
Total :					72.5	222.9	295.4	
Promedio :	18.6	27.3	22.3	76.9				
Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	26.8	22.3	75.7	0.0	31.5	31.5	
2	19.0	24.8	21.5	83.7	2.4	3.1	5.5	
3	18.4	27.0	21.8	81.3	0.0	1.2	1.2	
4	19.4	28.9	23.2	73.0	0.0	0.0	0.0	
5	19.0	27.8	23.3	76.3	0.0	12.1	12.1	
6	19.8	26.0	22.2	79.0	.3	7.9	8.2	
7	18.8	29.0	23.0	77.7	0.0	.2	.2	
8	19.0	28.2	22.4	78.0	0.0	0.0	0.0	
9	19.5	29.0	23.7	74.3	0.0	0.0	0.0	
10	18.6	29.2	23.3	67.0	0.0	8.3	8.3	
11	19.2	28.0	22.6	79.7	15.6	13.3	28.9	
12	18.2	26.4	22.1	79.0	0.0	.6	.6	
13	19.5	24.5	21.5	84.0	4.8	16.9	21.7	
14	18.8	23.5	20.0	89.0	1.0	0.0	1.0	
15	17.8	29.0	23.4	69.7	0.0	8.5	8.5	
16	19.4	27.0	21.4	86.0	0.0	.2	.2	
17	18.5	27.9	22.4	77.3	0.0	17.0	17.0	
18	19.0	27.7	22.4	74.7	0.0	0.0	0.0	
19	18.9	26.8	21.8	75.7	4.5	5.2	9.7	
20	19.2	26.2	22.0	83.0	.1	6.1	6.2	
21	19.7	27.1	22.4	80.3	19.9	4.7	24.6	
22	19.8	28.3	23.5	76.3	.8	0.0	.8	
23	18.0	28.2	22.5	78.0	0.0	2.4	2.4	
24	18.1	28.0	22.1	76.7	0.0	0.0	0.0	
25	18.6	29.0	22.9	69.7	0.0	13.2	13.2	
26	18.3	21.8	19.8	82.3	13.3	0.0	13.3	
27	17.8	27.0	21.8	73.7	0.0	0.0	0.0	
28	18.0	26.8	21.0	82.3	1.9	2.8	4.7	
29	17.7	27.8	21.5	74.3	5.2	15.0	20.2	
30	19.0	27.6	21.8	76.7	9.3	1.6	10.9	
Total :					79.1	171.8	250.9	
Promedio :	18.8	27.2	22.2	77.8				

Estación : LLANADAS  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANZANARES

Latitud : 5 ° 12'N  
Longitud : 75 ° 8'W  
Altitud : 1420 m

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.2	25.8	21.2	84.3	9.0	14.0	23.0	
2	17.3	28.0	21.2	79.7	0.0	9.0	9.0	
3	18.8	26.2	20.4	85.7	16.0	29.0	45.0	
4	18.0	23.4	19.9	86.7	.8	.1	.9	
5	17.8	23.0	19.3	88.3	5.7	0.0	5.7	
6	17.2	25.4	19.8	88.3	.3	0.0	.3	
7	17.4	25.6	20.2	87.7	1.5	15.6	17.1	
8	17.2	25.0	20.9	83.0	.5	.2	.7	
9	17.8	26.0	20.4	83.7	1.5	0.0	1.5	
10	15.4	29.0	22.6	66.0	0.0	0.0	0.0	
11	17.2	28.0	22.0	78.7	0.0	2.3	2.3	
12	18.2	27.0	21.6	70.7	3.0	0.0	3.0	
13	16.2	29.6	22.2	72.7	0.0	0.0	0.0	
14	16.6	29.4	22.7	74.3	0.0	1.5	1.5	
15	18.2	25.2	21.0	78.0	.7	0.0	.7	
16	17.0	29.4	22.7	75.7	0.0	0.0	0.0	
17	18.8	25.2	21.4	83.0	0.0	1.5	1.5	
18	18.6	27.2	21.8	75.7	0.0	0.0	0.0	
19	18.0	27.4	21.9	71.0	0.0	0.0	0.0	
20	16.6	30.2	23.0	60.0	0.0	.4	.4	
21	17.6	30.0	23.0	69.7	0.0	0.0	0.0	
22	17.6	29.6	23.3	68.7	0.0	0.0	0.0	
23	17.4	25.0	21.3	79.0	0.0	0.0	0.0	
24	17.8	27.4	22.5	70.7	0.0	0.0	0.0	
25	18.2	27.2	22.5	74.7	0.0	54.5	54.5	
26	17.2	26.0	20.8	78.3	.6	17.3	17.9	
27	18.6	26.4	21.5	80.0	0.0	19.4	19.4	
28	17.8	23.2	19.4	85.3	1.9	23.6	25.5	
29	16.8	24.8	20.0	75.0	.4	.5	.9	
30	16.6	27.0	21.5	74.0	0.0	0.0	0.0	
31	16.4	27.2	22.0	71.7	0.0	0.0	0.0	
Total :					41.9	188.9	230.8	
Promedio :	17.5	26.8	21.4	77.4				
Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.2	25.0	20.6	74.7	0.0	0.0	0.0	
2	16.8	27.2	20.4	75.3	2.0	8.7	10.7	
3	16.6	27.0	20.5	74.7	0.0	0.0	0.0	
4	15.2	26.8	20.9	77.0	0.0	0.0	0.0	
5	17.8	28.0	22.0	72.3	0.0	0.0	0.0	
6	17.0	28.8	22.5	62.7	0.0	0.0	0.0	
7	18.0	24.8	21.1	84.0	2.4	0.0	2.4	
8	17.8	26.0	21.1	76.7	0.0	.7	.7	
9	17.2	26.8	21.8	77.0	1.1	1.0	2.1	
10	16.4	29.4	21.9	59.0	0.0	0.0	0.0	
11	16.6	27.4	21.4	68.3	0.0	0.0	0.0	
12	15.6	26.8	21.2	70.0	0.0	0.0	0.0	
13	15.8	29.0	21.5	67.3	0.0	0.0	0.0	
14	16.0	28.4	22.0	71.0	0.0	.7	.7	
15	18.2	24.2	20.5	83.7	0.0	0.0	0.0	
16	17.6	25.6	20.0	80.7	0.0	0.0	0.0	
17	17.0	27.2	21.6	75.7	0.0	0.0	0.0	
18	18.0	29.2	22.7	64.0	0.0	0.0	0.0	
19	16.2	29.0	22.0	72.3	0.0	.1	.1	
20	16.8	26.4	21.5	79.0	0.0	1.4	1.4	
21	17.6	29.0	22.1	69.3	0.0	2.2	2.2	
22	18.0	25.6	20.8	76.3	.4	.1	.5	
23	17.6	26.4	20.8	79.7	1.1	0.0	1.1	
24	16.9	27.4	21.6	71.7	0.0	0.0	0.0	
25	18.2	29.2	23.2	63.7	0.0	0.0	0.0	
26	17.8	28.4	22.6	64.3	0.0	0.0	0.0	
27	17.0	26.0	20.8	79.0	.2	.2	.4	
28	16.2	27.4	21.0	75.0	.5	0.0	.5	
29	15.0	27.0	20.8	63.0	0.0	0.0	0.0	
30	14.8	29.4	21.4	53.0	0.0	0.0	0.0	
Total :					7.7	15.1	22.8	
Promedio :	16.9	27.3	21.4	72.0				

Estación : LLANADAS  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANZANARES

Latitud : 5 ° 12'N  
Longitud : 75 ° 8'W  
Altitud : 1420 m

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.7	29.6	22.0	50.7	0.0	0.0	0.0	
2	15.5	29.0	22.0	59.3	0.0	0.0	0.0	
3	17.3	29.2	22.0	68.7	0.0	8.7	8.7	
4	17.0	26.4	21.5	78.3	.8	85.1	85.9	
5	16.2	24.4	19.5	82.0	3.5	.2	3.7	
6	17.4	25.0	20.6	80.0	0.0	1.5	1.5	
7	17.2	25.2	20.3	83.7	.4	0.0	.4	
8	17.3	26.8	21.2	80.0	0.0	0.0	0.0	
9	16.8	23.2	19.2	87.3	14.7	1.1	15.8	
10	16.4	27.6	21.4	69.7	0.0	0.0	0.0	
11	16.2	26.8	21.5	71.0	0.0	0.0	0.0	
12	16.8	28.4	21.4	71.3	0.0	0.0	0.0	
13	15.8	28.4	21.1	67.3	0.0	.7	.7	
14	16.0	28.0	21.7	65.7	0.0	0.0	0.0	
15	15.6	26.4	20.4	70.7	0.0	0.0	0.0	
16	16.4	26.4	21.0	74.3	0.0	18.2	18.2	
17	17.0	27.0	21.4	76.3	0.0	.2	.2	
18	17.2	25.4	21.0	77.0	13.8	102.1	115.9	
19	15.6	26.0	20.2	80.0	0.0	.6	.6	
20	16.0	28.6	21.5	57.3	0.0	0.0	0.0	
21	15.6	28.2	21.6	63.0	0.0	4.0	4.0	
22	16.4	26.8	20.4	75.3	5.7	0.0	5.7	
23	14.6	27.2	21.1	68.3	0.0	5.4	5.4	
24	16.6	26.6	21.2	79.3	0.0	0.0	0.0	
25	16.2	26.2	20.6	77.0	0.0	0.0	0.0	
26	17.2	28.0	22.1	67.3	.5	0.0	.5	
27	16.8	27.6	21.5	68.3	0.0	9.5	9.5	
28	17.0	27.0	21.2	76.7	.1	5.0	5.1	
29	16.8	27.1	20.9	75.3	.5	4.0	4.5	
30	16.0	26.4	20.2	75.0	0.0	0.0	0.0	
31	15.0	27.0	20.8	63.3	0.0	0.0	0.0	
Total :					40.0	246.3	286.3	
Promedio :	16.4	27.0	21.0	72.2				
Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.4	27.0	20.3	71.0	0.0	0.0	0.0	
2	16.0	28.8	20.8	71.0	0.0	0.0	0.0	
3	16.8	26.4	21.1	67.7	0.0	0.0	0.0	
4	17.0	28.0	21.9	69.0	0.0	0.0	0.0	
5	17.6	28.6	22.8	64.0	0.0	16.7	16.7	
6	15.8	24.8	20.0	76.3	0.0	1.3	1.3	
7	15.6	25.4	20.0	77.7	0.0	17.0	17.0	
8	16.4	26.2	20.5	77.7	3.4	0.0	3.4	
9	15.2	27.2	21.2	70.0	0.0	5.5	5.5	
10	16.2	26.2	20.8	69.3	0.0	6.0	6.0	
11	17.0	28.0	21.9	68.0	0.0	0.0	0.0	
12	16.8	26.2	20.1	70.7	0.0	0.0	0.0	
13	14.6	28.4	21.8	60.7	0.0	.4	.4	
14	15.4	28.2	21.3	66.3	0.0	19.8	19.8	
15	16.4	23.6	19.2	81.3	0.0	.2	.2	
16	15.4	25.0	19.8	74.7	.1	0.0	.1	
17	15.8	26.6	20.9	70.7	0.0	0.0	0.0	
18	16.2	27.8	21.4	73.7	0.0	1.8	1.8	
19	17.4	28.0	21.5	74.3	0.0	7.4	7.4	
20	16.8	25.8	20.4	80.3	0.0	10.5	10.5	
21	17.0	24.6	20.4	81.7	.5	10.5	11.0	
22	17.6	27.2	21.8	73.3	0.0	0.0	0.0	
23	16.0	27.6	21.3	66.7	0.0	0.0	0.0	
24	16.8	28.2	22.0	70.7	0.0	34.9	34.9	
25	16.6	27.0	21.6	71.0	0.0	27.0	27.0	
26	15.6	25.6	20.6	76.3	0.0	9.0	9.0	
27	17.2	26.3	20.8	80.0	0.0	0.0	0.0	
28	16.0	29.2	22.4	60.0	0.0	0.0	0.0	
29	16.6	28.4	21.8	67.3	0.0	4.4	4.4	
30	17.8	27.1	21.4	72.3	.2	0.0	.2	
31	18.0	24.6	20.2	71.0	0.0	0.0	0.0	
Total :					4.2	172.4	176.6	
Promedio :	16.5	26.8	21.0	71.8				

Estación : LLANADAS  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANZANARES

Latitud : 5 ° 12'N  
Longitud : 75 ° 8'W  
Altitud : 1420 m

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.0	27.2	21.7	66.3	.1	0.0	.1	
2	17.0	28.2	21.5	68.3	0.0	7.4	7.4	
3	17.2	25.2	21.0	77.3	0.0	0.0	0.0	
4	17.6	28.6	21.8	72.3	0.0	40.8	40.8	
5	15.8	26.2	20.2	76.3	.3	0.0	.3	
6	16.4	29.0	21.8	66.7	0.0	0.0	0.0	
7	17.8	27.0	21.4	76.0	0.0	0.0	0.0	
8	17.0	23.4	19.6	86.0	2.2	9.8	12.0	
9	16.4	26.4	21.0	77.3	0.0	6.3	6.3	
10	16.2	27.8	20.8	72.7	1.5	.3	1.8	
11	16.0	26.4	20.6	78.0	6.6	0.0	6.6	
12	15.0	25.2	18.8	85.7	2.0	6.2	8.2	
13	15.4	26.2	20.4	71.0	0.0	9.3	9.3	
14	16.0	27.8	21.8	72.3	1.0	21.0	22.0	
15	15.8	27.4	20.4	69.7	1.7	0.0	1.7	
16	17.6	28.0	21.4	72.3	0.0	0.0	0.0	
17	15.2	28.2	21.6	71.7	0.0	.6	.6	
18	16.8	27.6	21.6	73.3	0.0	2.4	2.4	
19	17.4	27.0	21.6	77.3	.3	0.0	.3	
20	16.9	26.4	21.7	70.3	0.0	1.8	1.8	
21	17.9	26.6	21.7	77.0	0.0	17.5	17.5	
22	17.0	26.4	21.3	76.7	0.0	75.1	75.1	
23	16.4	26.8	21.2	73.7	.8	3.8	4.6	
24	17.8	26.8	21.3	78.7	0.0	0.0	0.0	
25	16.0	27.0	21.3	72.3	0.0	5.3	5.3	
26	16.8	26.4	20.6	77.7	.3	5.8	6.1	
27	17.0	25.8	20.8	79.7	2.5	10.7	13.2	
28	16.8	26.6	21.1	74.0	0.0	0.0	0.0	
29	16.8	26.8	21.6	73.3	0.0	0.0	0.0	
30	17.8	30.4	22.8	64.0	0.0	0.0	0.0	
31								
Total :					19.3	224.1	243.4	
Promedio :	16.6	27.0	21.1	74.3				
Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	27.8	22.2	65.0	0.0	0.0	0.0	
2	16.9	28.0	21.6	69.7	0.0	0.0	0.0	
3	16.4	26.2	21.0	74.3	0.0	19.4	19.4	
4	17.0	25.8	20.8	81.0	0.0	15.3	15.3	
5	17.8	28.4	22.2	76.7	0.0	25.7	25.7	
6	16.6	25.8	20.4	79.0	.7	2.7	3.4	
7	17.4	25.6	20.8	82.0	.2	9.5	9.7	
8	16.7	29.0	22.4	71.3	0.0	39.3	39.3	
9	17.8	27.2	21.4	82.0	6.9	0.0	6.9	
10	15.2	28.2	20.6	63.7	.1	0.0	.1	
11	16.0	30.0	22.0	60.0	0.0	0.0	0.0	
12	17.9	27.2	21.4	76.0	0.0	16.6	16.6	
13	16.8	26.2	19.8	76.7	5.6	4.9	10.5	
14	16.9	25.2	20.4	79.0	7.9	0.0	7.9	
15	16.0	27.4	21.2	73.7	0.0	19.8	19.8	
16	15.4	25.2	20.0	81.0	0.0	0.0	0.0	
17	17.6	26.0	20.9	79.0	0.0	6.7	6.7	
18	17.2	26.2	20.9	76.3	.2	1.0	1.2	
19	17.0	22.4	18.5	90.3	8.4	.3	8.7	
20	15.8	25.4	20.2	73.3	1.0	0.0	1.0	
21	16.9	24.6	20.2	79.3	.2	.1	.3	
22	15.2	26.0	18.9	77.0	24.8	0.0	24.8	
23	16.9	26.4	20.2	80.3	17.9	9.6	27.5	
24	17.0	23.8	19.6	83.3	1.0	55.0	56.0	
25	16.2	26.0	20.3	80.0	0.0	12.8	12.8	
26	16.4	26.2	20.4	72.3	0.0	0.0	0.0	
27	15.8	26.1	20.8	73.0	1.0	0.0	1.0	
28	17.0	26.4	20.2	76.0	8.2	0.0	8.2	
29	15.8	25.4	20.4	77.0	0.0	4.2	4.2	
30	17.0	25.2	20.8	81.7	0.0	3.0	3.0	
31	16.9	26.2	20.5	82.0	1.3	0.0	1.3	
Total :					85.4	245.9	331.3	
Promedio :	16.7	26.3	20.7	76.5				

Estación : LLANADAS  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANZANARES

Latitud : 5 ° 12'N  
Longitud : 75 ° 8'W  
Altitud : 1420 m

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	27.2	21.3	80.0	0.0	0.0	0.0	
2	17.0	28.2	22.0	76.0	.1	10.3	10.4	
3	17.1	25.4	20.8	82.0	.1	.4	.5	
4	17.8	24.8	19.4	88.7	9.7	.2	9.9	
5	16.6	25.8	20.8	74.3	0.0	1.1	1.1	
6	16.8	25.2	19.9	75.7	16.0	3.9	19.9	
7	16.4	23.2	19.4	83.7	2.8	3.6	6.4	
8	17.8	26.4	21.3	77.0	.1	13.7	13.8	
9	17.0	25.2	20.8	77.3	.8	20.6	21.4	
10	16.4	26.6	21.0	74.7	0.0	9.5	9.5	
11	15.8	25.8	20.4	77.0	0.0	2.3	2.3	
12	17.2	26.8	21.3	73.3	0.0	12.2	12.2	
13	17.0	25.4	20.2	79.7	2.0	12.0	14.0	
14	17.2	23.0	19.2	84.0	3.0	0.0	3.0	
15	17.0	23.2	19.5	80.3	26.0	0.0	26.0	
16	16.9	26.8	20.4	80.3	0.0	0.0	0.0	
17	17.8	28.0	21.8	75.7	0.0	0.0	0.0	
18	17.6	26.0	20.9	75.7	0.0	7.5	7.5	
19	16.8	25.4	20.6	85.0	0.0	6.3	6.3	
20	17.0	23.0	19.8	88.7	1.0	2.2	3.2	
21	15.6	23.6	19.7	84.3	0.0	70.9	70.9	
22	16.0	24.2	19.1	79.3	18.2	.2	18.4	
23	15.6	23.9	19.4	81.7	.6	1.1	1.7	
24	17.2	20.2	18.2	92.3	5.1	.5	5.6	
25	16.0	20.1	18.2	94.3	.2	0.0	.2	
26	16.2	21.0	18.8	87.0	.6	1.4	2.0	
27	16.4	23.4	19.4	84.7	1.6	0.0	1.6	
28	16.2	20.2	18.4	86.7	1.5	8.8	10.3	
29	15.4	24.4	20.0	79.3	0.0	4.8	4.8	
30	16.1	25.2	19.4	83.3	0.0	0.0	0.0	
31	—	—	—	—	—	—	—	—
Total :	—	—	—	—	89.4	193.5	282.9	—
Promedio :	16.7	24.6	20.0	81.4	—	—	—	—

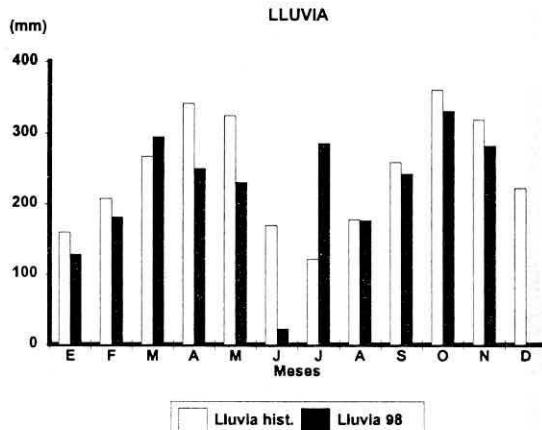
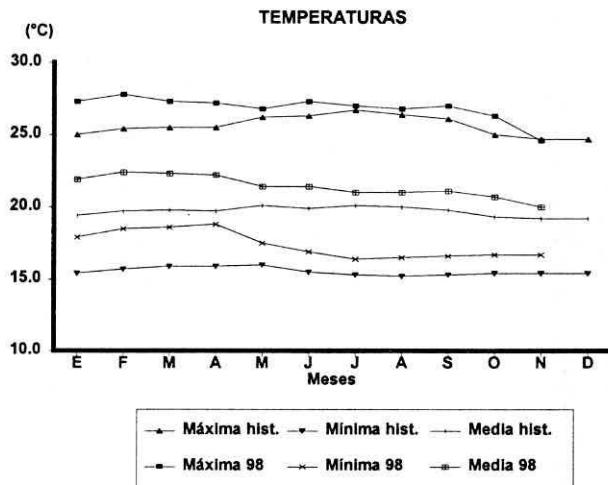
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	—	—
12	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—
17	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—
23	—	—	—	—	—	—	—	—
24	—	—	—	—	—	—	—	—
25	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	—	—
27	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	—	—
29	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—
Total :	—	—	—	—	—	—	—	—
Promedio :	—	—	—	—	—	—	—	—

Estación : LLANADAS  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANZANARES

Latitud : 5 ° 12'N  
Longitud : 75 ° 8'W  
Altitud : 1420 m

MES	TEMPERATURA °C					PRECIPITACION			
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	17.9	27.3	21.9	30.5	15.4	73.4	128.9	12	
Febrero	18.5	27.8	22.4	32.8	16.0	73.2	181.4	14	
Marzo	18.6	27.3	22.3	30.3	17.8	76.9	295.4	24	
Abril	18.8	27.2	22.2	29.2	17.7	77.8	250.9	24	
Mayo	17.5	26.8	21.4	30.2	15.4	77.4	230.8	20	
Junio	16.9	27.3	21.4	29.4	14.8	72.0	22.8	12	
Julio	16.4	27.0	21.0	29.6	14.6	72.2	286.3	18	
Agosto	16.5	26.8	21.0	29.2	14.6	71.8	176.6	19	
Septiembre	16.6	27.0	21.1	30.4	15.0	74.3	243.4	22	
Octubre	16.7	26.3	20.7	30.0	15.2	76.5	331.3	26	
Noviembre	16.7	24.6	20.0	28.2	15.4	81.4	282.9	26	
Diciembre									
Promedio :	17.4	26.9	21.4			75.2			
Absoluta :				32.8	14.6				
Total :							2430.7	217	



Estación : SANTAGUEDA  
Año : 1998

Dpto. : CALDAS  
Mpio. : PALESTINA

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	32.5	25.7	48.7	0.0	0.0	0.0	6.3
2	16.0	34.8	24.4	56.0	0.0	0.0	0.0	8.4
3	18.5	35.0	27.8	52.0	0.0	0.0	0.0	8.8
4	17.0	36.4	27.2	55.7	0.0	0.0	0.0	8.5
5	18.5	34.0	25.1	63.7	0.0	28.3	28.3	7.4
6	19.0	31.0	24.6	67.0	0.0	35.6	35.6	4.2
7	19.5	29.0	23.2	73.0	4.3	0.0	4.3	1.9
8	17.5	33.9	24.3	64.0	0.0	0.0	0.0	8.3
9	17.0	32.8	23.8	68.0	0.0	0.0	0.0	8.2
10	16.0	34.2	23.4	68.7	0.0	0.0	0.0	9.2
11	17.2	35.1	25.0	59.7	0.0	0.0	0.0	8.8
12	19.5	30.0	23.8	71.7	0.0	0.0	0.0	1.0
13	17.5	33.0	23.8	67.0	.1	0.0	.1	7.8
14	18.0	31.0	23.2	68.7	0.0	0.0	0.0	2.9
15	18.0	34.0	25.4	61.7	0.0	0.0	0.0	8.5
16	18.8	33.8	26.2	62.7	0.0	1.2	1.2	7.7
17	18.9	32.5	25.6	59.0	0.0	0.0	0.0	5.6
18	16.0	34.5	24.5	59.3	0.0	0.0	0.0	8.1
19	19.5	34.0	26.3	57.7	0.0	0.0	0.0	7.5
20	21.0	32.0	25.6	63.7	0.0	0.0	0.0	5.2
21	17.0	34.8	26.2	58.3	0.0	0.0	0.0	7.8
22	17.0	35.0	26.1	59.3	0.0	0.0	0.0	9.1
23	19.5	34.8	26.1	58.3	0.0	56.4	56.4	8.6
24	21.0	33.5	25.6	65.7	0.0	0.0	0.0	6.9
25	18.0	34.5	25.5	60.3	0.0	0.0	0.0	8.2
26	17.5	35.0	25.5	57.7	0.0	0.0	0.0	7.8
27	16.5	34.0	24.8	60.3	0.0	0.0	0.0	7.1
28	20.5	31.7	24.8	69.7	0.0	0.0	0.0	3.4
29	16.2	35.8	25.8	59.3	0.0	0.0	0.0	8.1
30	20.5	34.3	27.4	57.7	0.0	.4	.4	3.8
31	19.5	36.0	26.2	60.0	0.0	0.0	0.0	9.1
Total :					4.4	121.9	126.3	214.2
Promedio :	18.2	33.6	25.3	61.8				
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	20.0	36.5	27.8	59.7	0.0	0.0	0.0	8.8
2	19.0	35.5	26.9	54.7	0.0	0.0	0.0	6.8
3	21.0	32.5	26.0	59.7	2.0	0.0	2.0	4.3
4	20.0	33.5	27.8	61.0	0.0	0.0	0.0	8.6
5	21.5	30.5	26.0	72.7	0.0	26.4	26.4	.8
6	20.8	31.6	25.0	67.3	0.0	0.0	0.0	5.1
7	20.0	32.0	25.1	67.7	0.0	15.7	15.7	3.7
8	19.0	23.0	20.9	87.3	13.5	5.6	19.1	0.0
9	18.8	27.0	23.1	76.0	2.4	20.6	23.0	3.2
10	18.5	27.5	23.4	73.7	0.0	0.0	0.0	1.5
11	19.5	27.8	23.0	76.0	0.0	0.0	0.0	.3
12	18.0	30.2	24.2	69.0	0.0	0.0	0.0	3.7
13	16.5	31.8	24.0	66.0	0.0	33.9	33.9	5.8
14	18.2	29.6	22.2	75.3	2.9	.2	3.1	3.9
15	18.9	33.0	25.9	62.7	0.0	0.0	0.0	9.0
16	17.3	32.2	24.8	61.0	0.0	0.0	0.0	7.4
17	14.8	33.0	24.2	59.3	0.0	0.0	0.0	8.6
18	15.2	32.5	24.2	61.7	0.0	0.0	0.0	8.1
19	19.5	31.0	25.8	58.3	0.0	0.0	0.0	5.9
20	18.5	31.8	25.4	60.3	0.0	0.0	0.0	6.3
21	19.8	32.0	26.5	63.3	0.0	1.3	1.3	6.9
22	19.0	32.2	25.8	66.0	0.0	18.7	18.7	7.3
23	19.5	28.5	23.2	76.3	0.0	0.0	0.0	3.1
24	18.2	31.5	24.4	64.7	0.0	0.0	0.0	5.7
25	17.0	33.8	24.7	62.0	0.0	0.0	0.0	8.0
26	17.2	32.0	23.5	71.0	0.0	0.0	0.0	8.0
27	18.9	32.2	25.6	59.3	0.0	21.8	21.8	8.5
28	19.0	32.8	24.3	62.0	4.3	0.0	4.3	6.7
29								
30								
31								
Total :					25.1	144.2	169.3	156.0
Promedio :	18.7	31.3	24.8	66.2				

Estación : SANTAGUEDA  
Año : 1998

Dpto. : CALDAS  
Mpio. : PALESTINA

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	33.5	26.6	59.0	0.0	0.0	0.0	8.5
2	20.5	28.0	22.2	77.3	.5	0.0	.5	.9
3	16.5	34.0	24.6	60.0	0.0	0.0	0.0	7.0
4	17.0	33.0	26.1	53.3	0.0	0.0	0.0	5.3
5	20.0	29.5	24.3	72.7	.1	0.0	.1	1.6
6	16.0	31.5	23.2	74.7	0.0	0.0	0.0	2.2
7	19.0	29.5	24.2	69.0	0.0	5.5	5.5	1.5
8	18.8	31.5	24.4	70.0	0.0	0.0	0.0	5.1
9	17.0	31.5	23.3	70.0	0.0	0.0	0.0	4.7
10	17.8	32.0	24.9	60.3	0.0	3.3	3.3	7.8
11	19.0	33.0	24.4	63.3	.1	0.0	.1	7.0
12	16.0	33.5	24.8	56.7	0.0	0.0	0.0	9.8
13	17.0	34.0	25.2	49.3	0.0	.6	.6	7.9
14	19.0	32.5	25.4	62.7	0.0	0.0	0.0	2.7
15	19.2	32.0	24.5	68.3	2.8	0.0	2.8	3.7
16	19.0	33.0	25.6	56.0	0.0	0.0	0.0	6.1
17	18.9	33.5	25.4	57.3	0.0	0.0	0.0	6.4
18	18.0	35.0	26.0	59.3	0.0	0.0	0.0	8.3
19	19.2	33.5	25.0	60.7	0.0	0.0	0.0	2.9
20	18.0	31.5	23.8	67.3	0.0	0.0	0.0	0.0
21	18.5	32.0	23.7	66.0	0.0	0.0	0.0	7.2
22	16.6	32.3	24.6	60.0	0.0	0.0	0.0	5.6
23	18.9	24.5	20.6	83.0	0.0	8.2	8.2	3.2
24	17.0	30.8	24.1	65.0	0.0	0.0	0.0	5.7
25	16.1	33.9	25.2	59.7	0.0	.2	.2	7.0
26	19.8	32.5	24.0	67.3	.6	33.9	34.5	5.3
27	20.5	31.9	24.4	65.7	0.0	11.8	11.8	4.3
28	20.0	31.8	24.0	66.0	.6	4.0	4.6	3.6
29	20.0	31.5	23.8	71.7	.3	.7	1.0	3.9
30	21.1	28.0	23.0	77.0	1.0	18.6	19.6	1.3
31	19.5	31.5	24.4	67.7	2.1	0.0	2.1	7.4
Total :					8.1	86.8	94.9	
Promedio :	18.4	31.8	24.4	65.0				153.9

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	20.5	32.5	25.4	65.3	0.0	.7	.7	6.0
2	21.0	31.4	24.0	74.3	8.1	40.2	48.3	3.5
3	19.8	28.1	23.7	76.7	.1	1.1	1.2	1.9
4	20.0	29.5	24.8	74.3	.3	0.0	.3	3.1
5	17.5	32.2	25.4	60.3	0.0	5.8	5.8	8.1
6	20.5	30.7	25.0	70.7	.5	43.9	44.4	2.3
7	20.0	31.5	25.5	64.3	.1	5.2	5.3	8.6
8	21.0	30.5	25.0	70.0	0.0	0.0	0.0	4.8
9	19.4	31.8	25.4	67.7	0.0	0.0	0.0	2.4
10	21.2	31.6	25.6	60.0	0.0	33.1	33.1	4.3
11	18.3	26.5	22.0	86.7	1.8	1.1	2.9	.3
12	19.5	31.8	25.4	64.0	0.0	0.0	0.0	6.4
13	21.0	32.0	24.9	71.7	2.5	10.5	13.0	2.1
14	21.1	31.0	24.4	73.7	0.0	0.0	0.0	2.2
15	19.8	34.0	26.2	60.7	0.0	0.0	0.0	8.0
16	20.5	32.5	26.1	70.0	0.0	0.0	0.0	6.0
17	21.0	33.9	25.9	65.3	0.0	3.6	3.6	5.0
18	20.5	31.5	24.9	74.0	0.0	38.6	38.6	4.0
19	21.0	28.5	24.0	75.3	.2	18.7	18.9	2.2
20	20.5	29.5	24.2	73.7	0.0	0.0	0.0	1.3
21	20.0	30.5	25.4	65.3	0.0	12.1	12.1	3.4
22	20.5	32.0	25.2	67.0	0.0	2.1	2.1	3.3
23	21.0	30.5	25.3	70.7	0.0	18.7	18.7	0.0
24	20.3	32.2	24.9	73.3	0.0	1.5	1.5	2.3
25	20.5	33.0	25.5	65.3	0.0	.9	.9	6.8
26	20.2	28.0	22.8	89.7	1.1	0.0	1.1	1.6
27	20.0	33.0	25.2	67.0	0.0	0.0	0.0	7.1
28	21.0	29.5	23.2	76.7	5.9	0.0	5.9	1.0
29	18.5	33.5	25.5	67.0	0.0	48.1	48.1	7.5
30	20.5	30.5	23.4	75.7	7.9	10.1	18.0	3.7
Total :					28.5	296.0	324.5	
Promedio :	20.2	31.1	24.8	70.5				119.2

Estación : SANTAGUEDA  
Año : 1998

Dpto. : CALDAS  
Mpio. : PALESTINA

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

Mayo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	20.0	29.0	22.2	79.0	3.9	1.7	5.6	.4
2	20.5	30.5	23.9	70.0	3.5	39.7	43.2	4.7
3	20.0	27.0	21.0	88.3	23.0	7.0	30.0	.3
4	18.8	28.5	21.3	77.0	3.3	1.3	4.6	2.2
5	18.0	29.6	23.0	74.0	0.0	0.0	0.0	2.2
6	19.5	30.5	24.2	65.7	0.0	0.0	0.0	2.9
7	20.5	31.0	24.4	65.0	0.0	0.0	0.0	5.9
8	20.0	31.4	24.1	66.3	0.0	1.7	1.7	2.8
9	19.9	31.6	24.8	85.3	0.0	0.0	0.0	3.4
10	18.8	30.6	24.9	95.0	0.0	6.5	6.5	5.0
11	21.2	31.6	24.1	77.3	4.1	10.0	14.1	7.3
12	20.4	28.6	23.4	82.0	.4	0.0	.4	.8
13	16.8	31.8	25.2	83.0	0.0	0.0	0.0	5.6
14	18.8	31.2	25.6	86.7	0.0	0.0	0.0	5.8
15	20.6	27.9	23.8	88.0	0.0	0.0	0.0	0.0
16	19.4	34.8	25.4	73.0	0.0	0.0	0.0	8.6
17	20.4	32.2	26.2	74.0	0.0	27.2	27.2	1.7
18	21.6	31.4	25.5	78.0	0.0	1.2	1.2	3.7
19	20.4	33.2	25.3	76.0	0.0	0.0	0.0	6.7
20	19.8	33.8	27.4	62.7	0.0	.4	.4	7.3
21	21.4	34.1	27.2	65.7	0.0	0.0	0.0	7.9
22	20.4	33.6	27.3	76.3	.2	.3	.5	8.1
23	21.6	28.8	24.6	77.0	0.0	0.0	0.0	.2
24	20.4	29.2	24.0	74.0	.6	4.9	5.5	2.4
25	21.2	29.9	25.2	78.7	0.0	9.5	9.5	.2
26	20.0	29.0	22.2	85.0	9.5	0.0	9.5	2.3
27	19.4	27.6	23.2	73.3	3.5	21.9	25.4	1.8
28	19.6	28.2	22.4	75.7	1.1	12.0	13.1	.9
29	19.2	27.2	23.5	84.7	0.0	.7	.7	.5
30	19.4	30.6	24.4	80.7	0.0	0.0	0.0	3.8
31	20.0	31.2	25.0	75.7	0.0	2.6	2.6	4.8
Total :					53.1	148.6	201.7	110.2
Promedio :	19.9	30.5	24.3	77.2				

Junio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.8	26.0	22.0	92.7	3.0	7.6	10.6	1.0
2	16.0	28.8	23.3	81.0	0.0	2.8	2.8	4.6
3	19.2	29.0	23.5	84.7	0.0	0.0	0.0	2.0
4	17.6	30.4	23.2	83.3	0.0	12.2	12.2	4.2
5	18.2	28.6	23.4	87.0	0.0	.2	.2	3.6
6	19.2	31.6	25.0	74.3	0.0	13.7	13.7	6.6
7	19.7	29.0	23.8	80.7	0.0	.2	.2	1.8
8	19.6	29.8	23.0	81.3	1.7	1.7	3.4	2.5
9	19.8	30.0	23.6	80.0	0.0	0.0	0.0	4.7
10	20.0	31.6	25.2	78.0	0.0	0.0	0.0	6.2
11	18.2	31.2	24.6	77.7	1.1	0.0	1.1	7.1
12	19.8	31.6	23.8	79.7	0.0	0.0	0.0	3.6
13	17.6	32.6	25.0	67.7	0.0	.2	.2	8.2
14	18.0	31.4	24.5	73.7	0.0	3.8	3.8	4.1
15	19.0	25.4	20.8	88.3	1.3	5.2	6.5	0.0
16	18.2	28.6	22.7	77.0	0.0	9.5	9.5	4.6
17	19.0	30.8	23.7	70.7	0.0	0.0	0.0	9.1
18	19.2	30.4	24.3	70.0	0.0	0.0	0.0	5.1
19	18.8	30.8	23.8	75.0	0.0	0.0	0.0	5.1
20	19.5	29.6	23.8	76.3	0.0	24.1	24.1	2.8
21	20.0	28.6	23.0	77.0	0.0	85.3	85.3	3.2
22	18.5	32.1	21.4	82.0	2.5	0.0	2.5	1.9
23	18.8	29.8	22.9	72.3	0.0	15.1	15.1	4.4
24	18.7	31.0	23.6	73.0	0.0	0.0	0.0	7.9
25	18.5	31.2	24.2	69.3	0.0	0.0	0.0	4.9
26	18.1	33.0	26.4	59.3	0.0	.7	.7	6.6
27	20.8	30.9	25.7	75.3	0.0	17.5	17.5	.5
28	19.9	30.1	24.9	78.0	.5	12.9	13.4	4.3
29	20.0	28.4	23.5	79.0	0.0	0.0	0.0	.8
30	16.0	33.0	24.7	67.0	0.0	0.0	0.0	9.7
31								
Total :					10.1	212.7	222.8	131.1
Promedio :	18.9	30.2	23.8	77.0				

Estación : SANTAGUEDA  
Año : 1998

Dpto. : CALDAS  
Mpio. : PALESTINA

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

Julio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.9	34.2	25.7	65.3	0.0	0.0	0.0	9.1
2	16.8	31.7	25.2	74.0	0.0	0.0	0.0	5.7
3	18.6	31.6	23.6	77.3	1.0	7.6	8.6	5.1
4	18.0	27.6	22.0	79.3	1.4	8.2	9.6	2.1
5	18.8	25.8	21.8	84.0	.1	12.1	12.2	1.1
6	18.4	29.8	22.6	73.7	0.0	35.4	35.4	6.1
7	17.4	27.0	20.5	89.7	.6	0.0	.6	2.5
8	18.0	28.3	23.0	76.3	0.0	1.9	1.9	4.1
9	19.0	28.5	22.4	78.3	0.0	8.9	8.9	3.8
10	19.8	29.2	22.8	81.0	.2	0.0	.2	1.7
11	18.2	31.0	24.1	69.3	0.0	0.0	0.0	4.3
12	18.8	32.6	25.2	64.0	0.0	.7	.7	7.4
13	19.6	30.8	24.5	67.3	0.0	2.4	2.4	7.0
14	18.0	29.2	23.3	78.3	0.0	0.0	0.0	2.4
15	17.8	29.4	23.8	70.7	.2	38.5	38.7	6.5
16	19.2	28.6	23.5	73.0	0.0	27.7	27.7	4.6
17	18.5	29.6	24.2	74.3	0.0	1.8	1.8	4.1
18	18.6	30.0	23.8	74.7	2.0	55.6	57.6	6.3
19	18.4	31.0	23.9	74.7	0.0	2.9	2.9	9.2
20	18.8	31.6	24.4	72.3	0.0	0.0	0.0	6.4
21	17.0	32.0	23.4	76.0	0.0	0.0	0.0	5.4
22	18.8	29.2	23.7	75.3	.2	0.0	.2	2.7
23	18.9	29.6	23.6	71.7	0.0	9.7	9.7	5.3
24	18.7	28.4	24.3	74.3	0.0	0.0	0.0	4.2
25	18.8	29.8	23.6	69.3	0.0	0.0	0.0	3.5
26	17.8	32.2	24.4	65.0	0.0	2.3	2.3	7.8
27	17.9	30.6	24.9	64.7	0.0	6.5	6.5	6.5
28	18.6	30.8	26.3	72.7	1.1	3.6	4.7	6.9
29	18.8	31.0	24.2	72.7	0.0	30.7	30.7	5.9
30	18.0	29.4	22.2	79.7	2.6	0.0	2.6	2.9
31	17.6	28.6	22.8	76.7	0.0	0.0	0.0	2.3
Total					9.4	256.5	265.9	152.9
Promedio :	18.3	30.0	23.7	74.1				
Agosto	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	31.8	23.0	75.7	0.0	0.0	0.0	6.5
2	18.0	34.0	25.9	64.0	0.0	0.0	0.0	9.4
3	18.6	31.4	24.7	68.0	0.0	0.0	0.0	6.5
4	18.2	30.4	24.2	72.0	0.0	3.4	3.4	5.9
5	19.0	29.6	24.2	71.3	0.0	9.5	9.5	3.4
6	18.5	28.4	22.2	78.3	5.3	1.6	6.9	2.9
7	19.0	28.6	23.2	67.3	0.0	9.5	9.5	1.9
8	18.0	28.4	22.3	75.3	0.0	0.0	0.0	3.8
9	16.0	32.9	22.2	70.0	0.0	0.0	0.0	8.0
10	16.4	30.6	24.4	63.0	0.0	2.5	2.5	6.2
11	19.6	30.6	24.5	70.0	0.0	0.0	0.0	7.9
12	18.0	29.8	23.8	75.3	0.0	0.0	0.0	2.9
13	17.6	30.2	22.9	74.7	.5	.4	.9	4.9
14	19.4	31.0	23.8	68.3	0.0	9.6	9.6	5.5
15	18.6	25.2	21.6	79.7	0.0	0.0	0.0	0.0
16	17.2	28.8	21.8	75.0	2.2	0.0	2.2	4.9
17	16.8	27.6	22.5	76.7	0.0	0.0	0.0	3.9
18	18.0	31.0	23.3	69.3	0.0	3.0	3.0	8.6
19	18.4	28.6	21.5	78.7	9.8	0.0	9.8	4.4
20	18.0	29.2	23.4	76.0	0.0	15.7	15.7	6.0
21	18.6	29.4	23.1	74.0	.8	0.0	.8	8.0
22	17.8	30.4	24.0	73.7	0.0	0.0	0.0	4.4
23	17.8	32.0	25.1	60.7	0.0	0.0	0.0	9.2
24	19.2	31.8	25.2	67.3	0.0	8.3	8.3	8.0
25	18.7	28.4	22.8	78.3	.4	9.1	9.5	2.8
26	18.6	26.3	22.0	85.3	3.2	6.7	9.9	2.0
27	17.6	28.6	22.9	76.0	0.0	0.0	0.0	5.5
28	17.8	32.2	24.2	67.0	0.0	0.0	0.0	9.1
29	18.4	30.8	24.2	68.3	0.0	2.0	2.0	7.6
30	19.4	29.8	23.9	70.7	0.0	0.0	0.0	4.5
31	19.2	27.8	23.0	74.7	0.0	0.0	0.0	2.4
Total					22.2	81.3	103.5	167.0
Promedio :	18.2	29.9	23.4	72.4				

Estación : SANTAGUEDA  
Año : 1998

Dpto. : CALDAS  
Mpio. : PALESTINA

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

Septiembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.2	29.1	23.8	68.7	0.0	.7	.7	4.3
2	17.6	29.6	22.5	79.3	1.5	8.2	9.7	4.3
3	18.0	26.0	20.8	87.3	1.9	.9	2.8	.1
4	18.1	30.2	24.2	67.7	0.0	0.0	0.0	5.4
5	18.0	31.0	23.0	76.0	.8	0.0	.8	5.2
6	15.0	32.1	23.9	68.0	0.0	0.0	0.0	9.8
7	19.0	30.0	24.2	63.3	0.0	7.5	7.5	2.8
8	18.2	25.8	20.8	85.3	.3	.9	1.2	1.2
9	18.0	29.2	23.2	70.3	0.0	0.0	0.0	4.8
10	19.0	27.8	22.0	73.7	0.0	0.0	0.0	1.6
11	17.0	30.0	22.0	74.3	0.0	24.3	24.3	3.1
12	18.0	26.0	20.3	87.0	7.0	7.0	14.0	2.2
13	17.0	29.0	22.6	76.0	.6	0.0	.6	6.3
14	18.2	28.6	22.7	78.3	9.3	28.5	37.8	5.2
15	17.0	27.2	21.5	76.7	.9	0.0	.9	1.3
16	17.2	30.1	23.4	73.7	0.0	0.0	0.0	6.2
17	16.2	27.0	20.3	87.7	5.4	0.0	5.4	1.7
18	15.7	30.0	23.3	71.7	0.0	8.3	8.3	6.4
19	17.4	28.2	22.3	84.7	1.3	0.0	1.3	5.1
20	18.6	29.1	24.2	69.3	.1	.6	.7	3.6
21	18.0	29.9	22.4	75.0	.2	10.3	10.5	4.1
22	18.0	28.8	21.4	80.7	3.0	5.8	8.8	1.7
23	18.1	27.6	21.9	74.7	2.0	.2	2.2	2.2
24	18.2	29.9	22.6	74.0	0.0	0.0	0.0	5.5
25	17.2	30.0	23.0	65.3	0.0	32.0	32.0	7.9
26	16.2	30.1	23.3	72.7	0.0	35.0	35.0	4.7
27	18.0	29.2	23.0	70.0	.9	1.9	2.8	3.7
28	19.0	31.6	22.6	73.7	1.9	2.8	4.7	7.1
29	17.0	32.0	24.3	69.0	0.0	1.2	1.2	8.6
30	19.8	33.0	25.4	69.3	0.0	0.0	0.0	7.4
31								
Total :					37.1	176.1	213.2	133.5
Promedio :	17.6	29.3	22.7	74.8				

Octubre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.2	31.2	24.4	69.3	0.0	0.0	0.0	5.2
2	19.8	30.0	23.8	70.7	.1	.1	.2	2.2
3	18.2	31.0	23.4	71.7	0.0	3.3	3.3	3.2
4	18.0	30.9	23.6	71.3	0.0	2.1	2.1	5.6
5	19.2	31.2	24.6	71.3	0.0	15.0	15.0	7.6
6	18.0	29.2	23.5	65.0	0.0	9.0	9.0	4.1
7	19.0	28.2	22.2	78.0	.4	0.0	.4	2.1
8	17.4	30.2	23.7	72.0	1.7	0.0	1.7	4.0
9	20.0	30.1	24.0	76.0	0.0	0.0	0.0	2.5
10	19.0	31.8	25.0	63.3	0.0	.5	.5	7.3
11	19.2	33.1	24.8	68.3	0.0	0.0	0.0	5.9
12	18.8	31.0	23.3	67.0	.4	0.0	.4	4.9
13	17.8	27.0	21.6	76.7	.4	0.0	.4	.8
14	17.0	31.8	24.4	60.7	0.0	0.0	0.0	8.7
15	17.0	32.8	24.2	60.3	0.0	19.0	19.0	7.9
16	18.0	28.4	23.2	73.0	0.0	0.0	0.0	2.9
17	16.2	30.4	23.8	66.7	0.0	9.4	9.4	5.0
18	19.0	30.2	23.1	73.7	3.2	0.0	3.2	7.0
19	19.8	30.0	22.6	73.3	.8	0.0	.8	4.0
20	18.8	29.6	23.4	66.0	0.0	0.0	0.0	4.5
21	18.4	28.8	21.2	79.0	3.3	0.0	3.3	1.1
22	16.0	27.4	20.5	78.7	18.8	0.0	18.8	3.4
23	15.5	28.2	22.0	76.7	6.5	24.5	31.0	2.8
24	19.0	28.7	22.4	75.0	0.0	24.0	24.0	4.1
25	18.2	29.0	22.5	75.3	0.0	16.0	16.0	4.3
26	18.4	29.9	22.8	72.0	0.0	0.0	0.0	5.7
27	18.0	29.8	23.4	69.7	0.0	13.3	13.3	6.7
28	18.9	30.4	23.4	67.7	7.0	4.0	11.0	7.0
29	20.0	30.2	23.9	72.7	0.0	36.0	36.0	7.2
30	19.1	27.0	22.4	82.0	0.0	22.0	22.0	.9
31	18.9	29.9	22.9	78.3	1.3	.8	2.1	3.2
Total :					43.9	199.0	242.9	141.8
Promedio :	18.3	29.9	23.2	71.7				

Estación : SANTAGUEDA  
Año : 1998

Dpto. : CALDAS  
Mpio. : PALESTINA

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

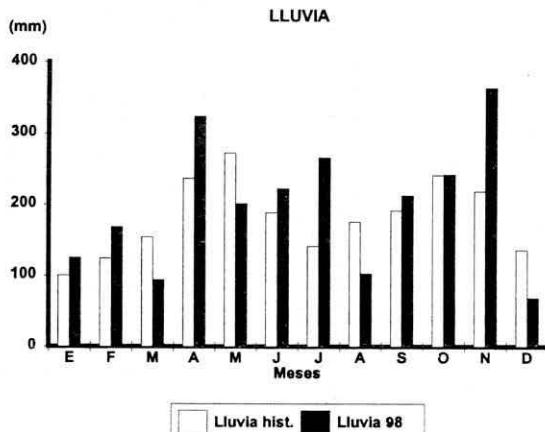
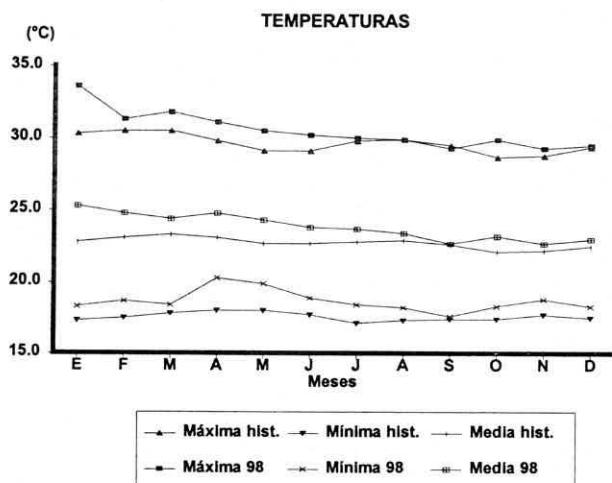
Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín.	Máx.	Med.		Día	Noche	Total	
1	18.9	29.8	23.2	72.7	0.0	31.0	31.0	6.0
2	17.6	31.1	23.2	69.7	0.0	.2	.2	7.7
3	19.8	31.4	23.0	72.7	3.5	0.0	3.5	6.8
4	19.0	27.9	22.4	75.0	0.0	1.7	1.7	2.8
5	18.9	28.2	22.5	75.3	0.0	3.1	3.1	1.3
6	19.0	29.4	22.8	71.7	0.0	23.0	23.0	3.6
7	18.6	26.4	21.6	79.3	.5	0.0	.5	1.2
8	17.2	28.8	22.8	71.3	0.0	0.0	0.0	5.4
9	18.2	31.2	24.2	66.3	0.0	29.6	29.6	7.1
10	19.0	30.2	23.4	72.0	0.0	.7	.7	7.2
11	18.4	31.8	24.0	67.7	0.0	.3	.3	7.9
12	19.7	29.2	22.5	79.0	22.6	1.0	23.6	3.7
13	19.6	31.4	23.6	75.7	1.0	22.0	23.0	5.0
14	19.4	30.1	22.5	78.3	4.5	0.0	4.5	5.1
15	18.8	31.9	22.2	73.0	32.9	0.0	32.9	5.2
16	18.2	31.1	23.4	74.0	8.6	0.0	8.6	6.6
17	19.6	29.8	23.0	77.0	0.0	29.8	29.8	4.9
18	19.9	30.6	23.4	77.3	.3	0.0	.3	5.2
19	18.0	29.8	21.8	77.0	66.5	0.0	66.5	3.8
20	17.8	29.9	22.9	75.7	0.0	4.0	4.0	6.5
21	18.8	29.0	22.0	79.3	1.0	14.0	15.0	3.9
22	18.8	24.0	20.8	86.3	0.0	0.0	0.0	0.0
23	17.2	31.1	23.2	67.0	0.0	0.0	0.0	8.1
24	19.6	26.2	21.6	88.0	0.0	0.0	0.0	2.2
25	18.8	27.2	22.8	77.0	0.0	0.0	0.0	4.6
26	19.0	28.8	23.2	71.0	0.0	10.8	10.8	5.3
27	18.8	28.2	22.2	79.3	11.0	19.0	30.0	3.5
28	18.6	25.8	21.8	77.0	0.0	1.1	1.1	1.7
29	17.8	27.8	22.1	72.7	0.0	21.0	21.0	6.0
30	18.4	29.9	22.8	69.0	0.0	0.0	0.0	6.9
31								
Total :					152.4	212.3	364.7	145.2
Promedio :	18.7	29.3	22.7	74.9				
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín.	Máx.	Med.		Día	Noche	Total	
1	18.2	29.0	22.5	72.0	0.0	16.0	16.0	5.6
2	19.0	25.0	20.6	93.0	.6	2.1	2.7	.5
3	18.0	28.2	21.4	77.3	9.4	0.0	9.4	4.8
4	17.2	28.8	21.8	74.3	0.0	0.0	0.0	4.6
5	18.8	29.2	22.4	75.3	0.0	6.0	6.0	5.5
6	18.8	23.6	21.3	86.7	1.8	0.0	1.8	0.0
7	18.0	27.9	21.0	77.7	.8	0.0	.8	2.6
8	15.4	30.8	22.8	68.0	0.0	0.0	0.0	9.2
9	19.2	31.0	24.4	65.3	0.0	2.9	2.9	7.0
10	19.0	28.9	23.4	73.7	0.0	8.2	8.2	2.2
11	18.8	28.8	23.0	77.7	.4	2.6	3.0	4.0
12	18.6	29.6	23.1	66.7	0.0	1.2	1.2	4.8
13	19.6	28.4	22.9	75.7	0.0	0.0	0.0	2.0
14	17.4	30.4	24.0	69.0	0.0	.7	.7	4.9
15	19.4	28.9	24.1	65.0	0.0	0.0	0.0	3.4
16	18.8	26.0	22.3	77.7	0.0	0.0	0.0	.1
17	18.0	29.2	23.2	71.0	0.0	0.0	0.0	3.9
18	17.8	30.5	23.6	62.0	0.0	.9	.9	5.2
19	19.0	30.8	23.5	69.3	0.0	3.2	3.2	5.1
20	17.9	28.9	23.9	66.3	0.0	.9	.9	2.9
21	18.8	29.8	23.5	70.3	0.0	0.0	0.0	4.6
22	18.0	31.2	22.7	71.0	0.0	0.0	0.0	7.0
23	17.0	32.8	24.1	63.3	0.0	3.1	3.1	9.1
24	18.2	30.8	23.6	62.3	0.0	0.0	0.0	6.8
25	18.8	30.2	22.3	76.0	4.2	0.0	4.2	5.9
26	18.8	31.0	23.7	62.0	0.0	1.6	1.6	7.2
27	16.9	30.9	23.3	70.7	0.0	0.0	0.0	7.7
28	19.8	30.0	22.4	74.3	1.4	.7	2.1	4.6
29	18.0	29.8	23.4	71.0	0.0	.3	.3	3.7
30	19.6	31.4	24.2	69.0	0.0	0.0	0.0	7.3
31	17.0	32.2	24.2	67.3	0.0	0.0	0.0	7.6
Total :					18.6	50.4	69.0	149.8
Promedio :	18.3	29.5	23.0	71.6				

Estación : SANTAGUEDA  
Año : 1998

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.	Días Lluvia	Brillo Sol. (h)
Enero	18.3	33.6	25.3	36.4	16.0	61.8	126.3	7	214.2
Febrero	18.7	31.3	24.8	36.5	14.8	66.2	169.3	11	156.0
Marzo	18.4	31.8	24.4	35.0	16.0	65.0	94.9	15	153.9
Abril	20.3	31.1	24.8	34.0	17.5	70.5	324.5	22	119.2
Mayo	19.9	30.5	24.3	34.8	16.8	77.2	201.7	19	110.2
Junio	18.9	30.2	23.8	33.0	16.0	77.0	222.8	19	131.1
Julio	18.4	30.0	23.7	34.2	16.8	74.1	265.9	22	152.9
Agosto	18.2	29.9	23.4	34.0	16.0	72.4	103.5	16	167.0
Septiembre	17.6	29.3	22.7	33.0	15.0	74.8	213.2	23	133.5
Octubre	18.3	29.9	23.2	33.1	15.5	71.7	242.9	24	141.8
Noviembre	18.8	29.3	22.7	31.9	17.2	74.9	364.7	24	145.2
Diciembre	18.3	29.5	23.0	32.8	15.4	71.6	69.0	19	149.8
Promedio :	18.7	30.5	23.8			71.4			
Absoluta :				36.5	14.8				
Total :							2398.7	221	1774.8



Estación : GRANJA LUKER  
Año : 1998

Dpto. : CALDAS  
Mpio. : PALESTINA

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.5	31.0	23.6	73.3	0.0	0.0	0.0	6.3
2	16.0	32.0	24.3	66.0	0.0	0.0	0.0	7.8
3	18.0	32.0	26.2	63.3	0.0	0.0	0.0	9.1
4	17.0	33.0	26.1	65.3	0.0	.2	.2	8.6
5	18.0	34.0	25.0	72.0	0.0	19.8	19.8	7.5
6	19.0	30.0	24.8	78.0	0.0	26.4	26.4	4.3
7	19.5	28.0	23.4	80.7	9.7	0.0	9.7	1.5
8	17.2	31.0	24.0	73.0	0.0	0.0	0.0	8.9
9	18.0	33.0	23.6	71.3	0.0	0.0	0.0	8.9
10	16.5	32.0	24.2	70.3	0.0	0.0	0.0	9.4
11	17.5	33.0	22.4	68.0	0.0	0.0	0.0	9.0
12	19.5	30.0	24.8	74.7	0.0	0.0	0.0	.7
13	17.0	33.0	23.7	72.7	0.0	0.0	0.0	7.3
14	18.0	30.0	24.0	73.3	0.0	0.0	0.0	2.7
15	18.5	33.0	24.9	69.0	0.0	0.0	0.0	8.8
16	19.5	32.0	26.0	69.3	0.0	2.3	2.3	7.9
17	19.0	31.5	24.8	69.3	0.0	0.0	0.0	5.7
18	16.5	33.0	24.0	69.3	0.0	0.0	0.0	7.4
19	19.5	32.0	25.4	69.0	0.0	0.0	0.0	7.8
20	20.0	31.0	24.5	73.7	0.0	0.0	0.0	4.4
21	16.5	33.0	24.4	68.7	0.0	0.0	0.0	7.9
22	17.0	32.0	24.4	70.0	0.0	0.0	0.0	9.2
23	19.0	33.0	25.9	69.0	0.0	38.1	38.1	8.3
24	20.0	31.0	24.7	78.0	0.0	0.0	0.0	7.3
25	18.0	33.5	24.5	68.0	0.0	0.0	0.0	7.8
26	16.5	32.0	24.8	67.7	0.0	0.0	0.0	7.4
27	16.0	32.8	24.4	72.0	0.0	0.0	0.0	6.8
28	20.0	31.0	24.9	74.3	0.0	0.0	0.0	2.8
29	16.5	33.0	25.5	65.3	0.0	0.0	0.0	7.5
30	20.0	32.0	25.4	73.3	0.0	1.6	1.6	4.2
31	19.5	33.0	25.0	70.7	0.0	0.0	0.0	9.6
Total :					9.7	88.4	98.1	212.8
Promedio :	18.1	32.0	24.6	70.9				
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.5	34.0	25.5	64.7	0.0	0.0	0.0	6.7
2	19.0	34.8	27.0	66.3	0.0	0.0	0.0	5.7
3	21.0	33.0	24.6	74.7	7.1	0.0	7.1	3.7
4	20.0	33.4	25.8	71.3	0.0	0.0	0.0	8.9
5	21.5	30.5	25.2	77.3	0.0	19.8	19.8	.9
6	21.0	30.5	24.6	75.3	0.0	0.0	0.0	4.1
7	20.0	31.5	25.0	74.0	0.0	6.4	6.4	2.9
8	20.0	24.0	21.5	87.0	19.3	2.2	21.5	0.0
9	19.0	27.9	23.2	75.7	1.5	33.7	35.2	2.1
10	19.5	28.5	23.7	76.0	0.0	0.0	0.0	1.4
11	20.0	28.0	23.6	75.7	0.0	0.0	0.0	0.0
12	19.5	30.0	24.8	70.0	0.0	0.0	0.0	2.8
13	18.0	31.0	23.8	68.0	0.0	30.0	30.0	5.2
14	19.0	29.8	22.8	76.0	1.9	.5	2.4	4.5
15	19.2	33.0	25.1	69.0	0.0	0.0	0.0	9.3
16	17.5	31.0	24.0	69.7	0.0	0.0	0.0	6.5
17	15.0	33.5	23.7	60.0	0.0	0.0	0.0	8.4
18	15.5	32.0	24.2	63.3	0.0	0.0	0.0	8.8
19	20.0	30.8	25.2	66.3	0.0	0.0	0.0	6.4
20	18.4	32.0	24.9	64.3	0.0	0.0	0.0	6.8
21	20.0	31.0	24.7	63.7	0.0	.4	.4	6.8
22	19.5	31.4	24.4	68.0	0.0	16.2	16.2	7.3
23	19.0	27.9	22.6	74.7	0.0	0.0	0.0	1.8
24	18.0	30.8	24.1	67.3	0.0	0.0	0.0	6.5
25	17.0	32.8	24.3	67.3	0.0	0.0	0.0	7.6
26	17.2	31.0	23.1	65.0	0.0	0.0	0.0	8.6
27	18.5	32.6	25.0	62.0	0.0	22.4	22.4	8.5
28	18.5	31.4	23.2	70.7	1.8	0.0	1.8	7.1
29								
30								
31								
Total :					31.6	131.6	163.2	149.3
Promedio :	18.9	31.0	24.3	70.1				

Estación : GRANJA LUKER  
Año : 1998

Dpto. : CALDAS  
Mpio. : PALESTINA

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

Marzo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	32.8	24.0	62.0	0.0	0.0	0.0	9.2
2	19.5	25.5	22.4	72.0	1.5	0.0	1.5	1.1
3	16.0	32.5	24.0	66.7	0.0	0.0	0.0	7.2
4	17.5	32.8	25.8	61.7	0.0	0.0	0.0	5.3
5	19.5	28.4	23.8	73.0	0.0	0.0	0.0	2.0
6	16.5	30.5	22.7	74.3	0.0	0.0	0.0	3.1
7	19.0	29.0	24.2	70.7	0.0	4.6	4.6	1.3
8	18.5	30.5	23.8	71.7	0.0	0.0	0.0	5.3
9	17.5	31.5	23.2	70.7	0.0	0.0	0.0	4.6
10	18.0	31.0	24.4	64.0	0.0	3.9	3.9	7.7
11	19.0	31.5	24.2	67.3	0.0	0.0	0.0	7.3
12	16.0	32.8	24.5	63.7	0.0	0.0	0.0	9.0
13	16.4	33.0	24.7	58.3	0.0	3.4	3.4	7.8
14	18.0	31.0	24.6	64.0	0.0	0.0	0.0	3.3
15	19.0	30.2	22.7	73.0	1.8	0.0	1.8	3.8
16	18.5	31.0	24.4	64.7	.4	0.0	.4	5.7
17	19.0	31.5	25.2	64.0	0.0	0.0	0.0	6.0
18	18.5	33.0	25.5	62.3	0.0	0.0	0.0	8.1
19	19.0	31.8	25.5	64.0	0.0	0.0	0.0	3.0
20	18.0	30.0	23.5	69.7	.2	0.0	.2	.1
21	18.5	31.0	23.5	66.7	0.0	0.0	0.0	4.8
22	17.5	32.0	24.5	62.0	0.0	4.7	4.7	5.7
23	18.0	24.0	20.4	79.0	.9	.3	1.2	0.0
24	17.5	30.0	24.0	69.0	0.0	0.0	0.0	4.8
25	17.0	31.5	24.2	65.3	0.0	.2	.2	6.7
26	18.9	31.0	22.8	72.3	.6	33.2	33.8	5.0
27	18.5	29.5	23.8	68.3	0.0	5.1	5.1	5.0
28	18.0	29.8	23.1	71.0	1.5	2.0	3.5	3.4
29	18.4	30.2	22.6	69.3	0.0	.3	.3	4.1
30	19.0	26.5	22.0	76.0	0.0	19.5	19.5	.6
31	18.7	30.2	23.5	70.0	2.5	0.0	2.5	6.9
Total :					9.4	77.2	86.6	147.9
Promedio :	18.0	30.5	23.8	68.0				

Abril	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.5	32.0	24.8	69.0	0.0	0.0	0.0	5.8
2	19.5	29.0	23.2	74.0	11.0	48.0	59.0	3.4
3	18.0	28.0	23.2	77.3	.1	1.0	1.1	.8
4	19.0	29.8	23.4	76.7	.2	0.0	.2	3.8
5	17.0	31.4	24.4	65.7	0.0	2.2	2.2	6.3
6	19.5	28.0	23.6	75.7	.6	31.3	31.9	2.2
7	18.5	30.5	24.3	72.0	0.0	5.6	5.6	8.7
8	19.5	29.0	24.2	74.0	0.0	0.0	0.0	4.6
9	19.0	30.0	24.2	71.0	0.0	0.0	0.0	2.7
10	20.0	31.0	25.1	64.7	0.0	42.0	42.0	4.3
11	18.5	25.0	21.0	84.3	1.5	7.1	8.6	.6
12	18.0	28.5	24.0	66.0	.6	35.7	36.3	6.3
13	19.0	29.2	22.8	75.0	0.0	0.0	0.0	2.6
14	18.6	29.0	22.8	75.3	0.0	0.0	0.0	2.7
15	19.5	32.0	24.8	67.0	0.0	0.0	0.0	7.3
16	19.5	30.5	25.0	70.7	0.0	0.0	0.0	5.6
17	19.5	31.5	24.2	69.7	0.0	8.3	8.3	5.0
18	18.5	28.0	23.9	73.3	0.0	47.0	47.0	2.8
19	19.0	27.0	23.0	76.0	0.0	15.9	15.9	1.0
20	18.5	28.5	23.2	75.3	0.0	0.0	0.0	1.8
21	18.2	29.0	23.7	72.7	0.0	7.6	7.6	3.3
22	19.0	30.0	23.2	72.7	0.0	1.5	1.5	3.5
23	19.1	29.5	23.8	72.7	0.0	20.5	20.5	0.0
24	19.5	29.0	23.2	75.3	.2	1.5	1.7	3.4
25	18.5	30.0	23.8	70.3	0.0	4.1	4.1	7.3
26	18.2	25.0	21.4	85.7	3.3	0.0	3.3	2.1
27	18.5	30.0	22.9	71.0	0.0	0.0	0.0	7.4
28	18.0	28.5	21.8	74.7	2.3	0.0	2.3	.9
29	16.5	31.0	24.0	69.0	0.0	66.0	66.0	7.7
30	19.5	29.0	22.8	78.3	3.0	3.8	6.8	3.1
Total :					22.8	349.1	371.9	117.0
Promedio :	18.7	29.3	23.5	73.2				

Estación : GRANJA LUKER  
Año : 1998

Dpto. : CALDAS  
Mpio. : PALESTINA

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

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.5	26.5	21.6	78.7	1.6	3.9	5.5	.3
2	18.0	29.0	21.8	75.0	3.7	52.3	56.0	3.9
3	18.5	24.6	20.3	85.0	22.1	6.5	28.6	.9
4	17.0	26.5	20.5	76.0	3.8	1.6	5.4	2.5
5	16.5	27.0	21.2	72.3	.3	0.0	.3	2.1
6	18.0	28.5	22.4	69.7	0.0	.5	.5	2.5
7	18.0	29.0	22.4	71.3	.2	0.0	.2	4.9
8	18.5	30.0	23.1	76.7	0.0	1.7	1.7	1.6
9	20.0	31.0	24.4	83.0	0.0	0.0	0.0	3.7
10	19.5	30.8	24.7	74.7	0.0	4.0	4.0	5.0
11	20.0	32.0	23.6	81.3	2.8	4.1	6.9	7.6
12	20.1	28.0	23.2	84.3	.3	0.0	.3	1.2
13	17.0	31.0	24.7	74.3	0.0	0.0	0.0	5.8
14	19.0	31.4	25.0	76.7	0.0	0.0	0.0	6.5
15	20.5	27.0	23.5	85.0	0.0	0.0	0.0	0.0
16	19.0	33.0	25.3	76.7	0.0	0.0	0.0	9.0
17	20.0	31.4	25.2	78.0	0.0	18.4	18.4	1.5
18	20.5	30.0	24.8	82.3	0.0	.7	.7	3.8
19	20.0	31.8	25.4	78.3	0.0	0.0	0.0	6.0
20	19.8	33.2	26.5	72.3	0.0	0.0	0.0	7.4
21	21.5	33.4	27.0	71.0	0.0	18.5	18.5	7.3
22	20.0	32.6	26.0	76.3	0.0	0.0	0.0	8.0
23	21.5	28.2	23.8	85.7	0.0	0.0	0.0	.5
24	20.5	28.8	24.2	86.0	0.0	0.0	0.0	2.2
25	20.5	29.0	24.5	84.7	0.0	30.3	30.3	.5
26	20.0	28.0	22.1	85.7	16.6	13.6	30.2	2.3
27	19.5	27.4	22.9	83.3	1.1	19.1	20.2	1.5
28	19.0	28.0	22.2	86.0	4.0	12.0	16.0	1.3
29	19.0	26.0	22.3	85.0	0.0	.5	.5	.5
30	19.5	29.6	23.5	82.0	0.0	0.0	0.0	3.2
31	20.0	31.2	24.8	76.7	0.0	4.0	4.0	4.7
Total :					56.5	191.7	248.2	108.2
Promedio :	19.3	29.5	23.6	79.2				
Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	27.0	22.2	89.3	2.3	4.4	6.7	1.2
2	17.2	28.0	22.4	81.3	.2	2.4	2.6	3.4
3	20.0	27.4	22.9	85.0	0.0	0.0	0.0	1.4
4	17.5	28.8	22.4	85.0	0.0	31.0	31.0	3.6
5	18.0	28.4	23.0	87.3	0.0	0.0	0.0	3.7
6	18.8	30.0	24.4	74.0	0.0	5.7	5.7	6.0
7	19.0	28.8	23.0	81.3	0.0	0.0	0.0	1.9
8	19.8	28.6	22.6	84.3	.9	1.4	2.3	2.3
9	19.2	30.0	23.6	79.0	0.0	0.0	0.0	6.1
10	19.6	30.8	25.3	75.7	0.0	0.0	0.0	6.8
11	19.0	30.4	24.7	81.3	.3	0.0	.3	6.8
12	19.8	31.5	24.6	83.3	0.0	0.0	0.0	3.5
13	18.0	32.4	25.4	77.3	0.0	.2	.2	7.5
14	18.5	30.5	24.4	80.0	0.0	18.6	18.6	2.2
15	19.0	25.6	21.2	90.0	1.4	5.7	7.1	0.0
16	18.5	28.8	22.9	81.3	0.0	4.1	4.1	4.2
17	19.0	28.6	24.1	79.0	0.0	0.0	0.0	8.3
18	19.3	30.4	23.9	77.7	0.0	0.0	0.0	4.6
19	19.0	29.6	24.3	79.3	0.0	0.0	0.0	4.9
20	19.5	29.5	23.8	81.3	0.0	24.0	24.0	2.6
21	19.9	27.2	22.6	80.0	0.0	71.0	71.0	2.7
22	18.8	27.0	22.1	85.7	0.0	0.0	0.0	2.5
23	19.8	29.0	24.1	81.7	0.0	12.1	12.1	4.6
24	19.2	29.7	24.0	79.3	0.0	0.0	0.0	7.2
25	19.4	30.4	23.8	79.3	0.0	0.0	0.0	5.3
26	18.8	31.0	24.8	73.0	0.0	0.0	0.0	6.4
27	20.0	29.0	24.8	82.3	0.0	19.6	19.6	.7
28	19.2	29.2	23.0	84.3	.4	8.1	8.5	4.3
29	19.0	27.6	22.6	83.7	0.0	0.0	0.0	1.1
30	16.0	31.5	23.0	76.7	0.0	0.0	0.0	8.9
Total :					5.5	208.3	213.8	124.7
Promedio :	18.9	29.2	23.5	81.3				

Estación : GRANJA LUKER  
Año : 1998

Dpto. : CALDAS  
Mpio. : PALESTINA

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

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	31.8	24.2	74.0	0.0	0.0	0.0	8.5
2	17.5	30.4	24.2	78.7	0.0	0.0	0.0	5.4
3	18.6	30.0	23.5	81.0	.5	12.2	12.7	5.1
4	18.8	27.4	22.3	84.7	2.7	17.2	19.9	2.1
5	18.6	24.8	21.6	87.7	.5	12.1	12.6	1.6
6	18.4	29.6	22.8	78.0	.5	43.5	44.0	6.3
7	18.6	26.8	22.2	84.3	.6	0.0	.6	2.2
8	19.0	28.0	23.4	77.3	0.0	1.5	1.5	4.4
9	19.2	27.4	23.0	80.0	0.0	7.8	7.8	4.0
10	19.5	28.4	23.2	85.3	.4	0.0	.4	2.2
11	18.2	29.8	23.5	75.7	0.0	4.1	4.1	4.3
12	18.5	30.6	23.8	79.3	0.0	.3	.3	7.9
13	18.0	30.8	23.8	78.0	0.0	2.6	2.6	7.1
14	18.6	28.8	23.2	83.7	0.0	0.0	0.0	3.0
15	18.4	29.6	24.2	77.3	0.0	31.0	31.0	6.3
16	18.8	28.8	23.3	84.0	0.0	38.5	38.5	4.7
17	18.6	27.8	23.0	82.3	0.0	.6	.6	4.1
18	18.4	28.0	23.4	82.0	9.0	51.0	60.0	5.8
19	18.2	29.4	23.2	78.7	.2	2.4	2.6	9.0
20	17.8	30.8	23.8	82.0	0.0	0.0	0.0	6.7
21	18.6	30.6	23.4	80.7	0.0	0.0	0.0	5.3
22	19.4	29.2	23.4	82.3	0.0	0.0	0.0	3.2
23	19.0	29.4	23.6	76.7	0.0	6.2	6.2	5.4
24	19.1	28.8	23.0	80.7	0.0	0.0	0.0	4.4
25	19.0	29.2	22.8	79.7	.1	0.0	.1	3.1
26	18.0	30.8	23.5	75.3	0.0	4.0	4.0	7.2
27	17.2	30.4	24.7	76.7	0.0	5.8	5.8	6.2
28	18.8	30.6	23.9	83.3	.8	2.2	3.0	6.7
29	19.2	29.6	24.2	80.0	0.0	23.6	23.6	5.5
30	19.0	29.8	22.7	84.7	.8	0.0	.8	3.0
31	17.8	29.2	23.2	84.3	0.0	0.0	0.0	2.2
Total :					16.1	266.6	282.7	152.9
Promedio :	18.5	29.2	23.4	80.6				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.2	31.0	24.1	80.7	0.0	0.0	0.0	6.6
2	18.4	32.0	25.6	73.3	0.0	0.0	0.0	9.1
3	19.4	31.4	24.8	79.0	0.0	0.0	0.0	6.8
4	18.8	31.0	24.1	79.7	0.0	6.7	6.7	5.7
5	20.2	29.6	24.6	77.3	0.0	16.3	16.3	3.6
6	19.2	28.6	22.6	84.3	4.0	.3	4.3	2.8
7	19.6	28.8	23.8	76.7	0.0	56.0	56.0	2.3
8	19.4	29.2	23.3	82.0	0.0	0.0	0.0	4.6
9	17.5	32.0	22.6	80.0	0.0	0.0	0.0	7.2
10	16.6	30.8	24.3	74.7	0.0	1.6	1.6	6.2
11	19.2	30.6	24.7	78.7	0.0	0.0	0.0	8.2
12	18.4	29.8	23.8	80.0	0.0	0.0	0.0	2.4
13	18.0	31.2	23.2	85.0	.3	2.5	2.8	5.3
14	19.4	30.6	24.6	79.7	.2	10.0	10.2	6.4
15	18.6	25.8	21.6	87.3	0.0	0.0	0.0	0.0
16	17.4	29.6	22.0	85.7	.8	0.0	.8	5.1
17	17.0	28.8	23.4	85.3	0.0	0.0	0.0	3.8
18	18.6	31.6	24.2	76.0	0.0	3.3	3.3	8.1
19	18.2	29.8	21.5	84.3	17.8	45.2	63.0	4.3
20	18.6	29.4	23.9	83.0	0.0	31.0	31.0	5.2
21	18.8	30.0	23.9	82.0	1.2	0.0	1.2	7.3
22	18.0	31.0	24.5	81.0	0.0	0.0	0.0	4.1
23	18.4	32.0	25.1	72.7	0.0	0.0	0.0	8.4
24	20.0	31.0	25.3	74.7	0.0	19.0	19.0	6.5
25	18.4	29.0	23.0	84.0	0.0	19.0	19.0	2.7
26	18.6	26.0	22.0	88.7	1.7	18.1	19.8	1.6
27	17.6	28.0	23.5	83.0	0.0	0.0	0.0	4.3
28	18.0	32.4	25.2	75.0	0.0	0.0	0.0	8.9
29	19.2	32.0	25.1	74.3	0.0	.8	.8	8.7
30	19.6	29.4	24.5	80.7	.8	0.0	.8	4.9
31	20.4	28.4	23.5	85.0	0.0	0.0	0.0	2.5
Total :					26.8	229.8	256.6	163.6
Promedio :	18.6	30.0	23.8	80.4				

Estación : GRANJA LUKER  
Año : 1998

Dpto. : CALDAS  
Mpio. : PALESTINA

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.4	29.6	24.4	78.0	0.0	9.7	9.7	3.6
2	18.8	29.4	22.2	86.3	5.6	7.8	13.4	4.6
3	18.4	25.2	20.8	91.0	2	.9	1.1	.2
4	18.6	29.6	23.3	80.0	0.0	0.0	0.0	5.2
5	19.0	30.0	23.2	82.7	.9	0.0	.9	5.0
6	17.0	32.8	24.6	76.7	0.0	0.0	0.0	8.9
7	19.8	30.8	24.8	76.7	0.0	5.6	5.6	2.8
8	19.4	26.2	22.4	87.7	0.0	.5	.5	.9
9	19.2	29.6	24.2	80.0	0.0	0.0	0.0	4.3
10	20.2	28.4	23.5	82.0	0.0	0.0	0.0	1.4
11	17.6	30.2	21.7	85.3	.8	17.5	18.3	2.3
12	19.6	26.8	20.9	90.0	13.3	5.2	18.5	1.6
13	17.6	29.6	22.4	84.7	0.0	.7	.7	5.8
14	18.8	30.0	23.1	85.7	4.3	33.3	37.6	4.6
15	17.8	28.2	22.2	85.0	1.1	0.0	1.1	1.3
16	18.0	30.4	24.3	79.3	0.0	0.0	0.0	5.8
17	17.6	27.8	21.2	94.3	2.9	0.0	2.9	1.4
18	16.6	30.6	23.3	80.7	0.0	4.3	4.3	5.9
19	18.4	28.2	23.1	86.7	1.2	0.0	1.2	4.9
20	20.0	29.8	24.2	85.7	.1	.3	.4	3.2
21	19.2	30.0	24.5	78.7	0.0	13.3	13.3	3.1
22	18.4	28.6	21.6	90.7	1.8	11.1	12.9	2.4
23	18.6	28.2	22.5	83.7	3.0	0.0	3.0	3.1
24	19.4	30.8	23.4	82.3	0.0	0.0	0.0	6.0
25	18.8	30.6	24.4	75.3	0.0	30.2	30.2	8.0
26	18.4	28.6	23.1	75.0	.1	47.8	47.9	4.6
27	18.6	28.2	22.8	74.3	.5	1.1	1.6	3.3
28	19.4	30.8	23.1	76.0	0.0	10.2	10.2	7.0
29	17.6	31.2	23.7	73.3	0.0	2.6	2.6	9.0
30	19.4	32.6	25.2	71.7	0.0	0.0	0.0	7.7
31	—	—	—	—	—	—	—	—
Total :	—	—	—	—	35.8	202.1	237.9	127.9
Promedio :	18.6	29.4	23.1	82.0	—	—	—	—
Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.4	31.2	24.2	72.7	0.0	0.0	0.0	5.5
2	20.0	30.0	24.4	75.3	0.0	0.0	0.0	2.0
3	18.8	30.8	23.4	75.3	0.0	3.1	3.1	2.8
4	18.9	31.0	24.0	75.0	0.0	3.0	3.0	5.9
5	19.6	31.2	24.4	73.3	0.0	13.9	13.9	7.8
6	18.6	29.0	23.2	72.7	0.0	24.9	24.9	3.9
7	19.4	28.0	22.5	80.7	2.2	0.0	2.2	2.0
8	18.6	29.4	23.4	76.0	.5	0.0	.5	4.8
9	19.6	30.0	23.7	78.3	.1	0.0	.1	2.5
10	19.0	32.0	25.0	72.0	0.0	.1	.1	8.1
11	20.2	32.2	24.4	75.7	0.0	0.0	0.0	6.2
12	19.0	30.0	22.9	76.0	.4	0.0	.4	4.6
13	17.8	28.4	21.6	79.0	1.1	0.0	1.1	.8
14	17.4	31.8	23.8	69.3	0.0	0.0	0.0	8.9
15	17.8	32.4	24.0	69.7	0.0	21.6	21.6	7.6
16	18.8	29.0	23.3	78.0	0.0	0.0	0.0	3.2
17	17.4	30.0	23.4	71.0	0.0	4.4	4.4	5.7
18	18.8	30.8	23.6	77.3	1.7	.2	.9	7.5
19	20.0	29.6	22.8	77.7	.5	0.0	.5	4.2
20	19.0	29.2	23.2	74.7	0.0	0.0	0.0	4.5
21	18.8	28.9	21.6	81.0	3.6	0.0	3.6	1.2
22	17.0	27.2	21.1	81.7	36.4	0.0	36.4	3.3
23	16.6	27.6	21.2	80.0	9.3	26.9	36.2	2.5
24	18.4	28.2	21.9	79.3	0.0	25.0	25.0	3.8
25	18.6	28.2	22.4	79.0	.9	19.2	20.1	3.3
26	18.4	29.8	22.4	77.0	0.0	0.0	0.0	5.9
27	18.6	29.2	23.2	75.0	.1	12.3	12.4	6.8
28	19.2	30.8	23.3	73.3	6.4	.7	7.1	6.9
29	19.6	30.2	24.2	74.3	0.0	17.5	17.5	6.4
30	19.8	27.2	22.8	81.3	1.8	9.8	11.6	.8
31	19.6	29.8	23.2	79.3	.3	2.3	2.6	.8
Total :	—	—	—	—	65.3	184.9	250.2	140.2
Promedio :	18.8	29.8	23.2	76.2	—	—	—	—

Estación : GRANJA LUKER  
Año : 1998

Dpto. : CALDAS  
Mpio. : PALESTINA

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

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.2	29.2	23.1	74.7	0.0	46.1	46.1	5.2
2	18.2	29.8	22.7	76.3	0.0	0.0	0.0	8.0
3	19.6	30.2	22.7	76.7	1.9	0.0	1.9	6.6
4	19.2	27.2	22.0	80.3	0.0	1.6	1.6	1.9
5	19.2	27.8	22.8	78.0	0.0	4.3	4.3	.9
6	19.8	28.9	22.6	77.3	.2	26.1	26.3	3.3
7	19.0	26.6	21.6	81.3	.6	0.0	.6	1.0
8	18.4	28.9	22.5	75.3	0.0	0.0	0.0	4.9
9	18.8	30.6	23.7	72.0	0.0	19.7	19.7	7.5
10	18.9	29.8	22.6	78.0	0.0	.6	.6	6.7
11	19.4	30.9	23.5	75.3	0.0	.8	.8	7.7
12	20.0	29.4	22.4	79.0	19.5	10.9	30.4	3.8
13	19.0	30.2	23.0	77.7	0.0	20.8	20.8	5.4
14	19.4	29.8	22.0	81.3	4.8	0.0	4.8	4.5
15	18.8	30.8	21.6	77.7	47.1	0.0	47.1	4.8
16	18.0	29.4	22.2	80.3	2.0	0.0	2.0	6.6
17	19.0	28.6	22.8	78.7	0.0	11.0	11.0	4.8
18	20.0	30.0	23.2	78.7	0.0	0.0	0.0	5.0
19	19.0	29.4	21.6	79.3	49.6	0.0	49.6	3.3
20	18.0	29.2	23.2	79.0	0.0	2.8	2.8	5.9
21	19.4	28.0	22.4	79.3	0.0	14.0	14.0	3.0
22	19.4	24.2	20.8	86.7	28.0	0.0	28.0	0.0
23	17.0	30.1	22.2	74.0	0.0	2.2	2.2	8.8
24	19.4	25.2	22.0	83.0	8.4	18.6	27.0	1.5
25	19.0	27.4	22.8	77.0	0.0	0.0	0.0	3.2
26	19.2	29.8	23.0	76.7	0.0	11.5	11.5	4.0
27	19.0	28.0	22.4	81.7	2.6	14.7	17.3	2.9
28	19.0	26.2	22.4	80.0	0.0	1.5	1.5	1.5
29	18.4	28.6	22.5	77.7	0.0	24.4	24.4	5.6
30	19.0	30.0	22.8	76.3	0.0	0.0	0.0	7.3
31								
Total :	—	—	—	—	164.7	231.6	396.3	135.6
Promedio :	19.0	28.8	22.5	78.3				

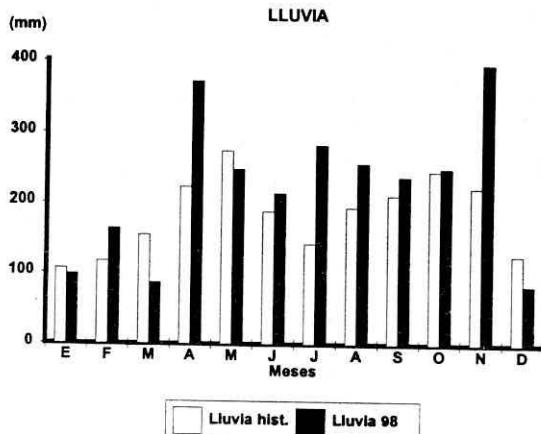
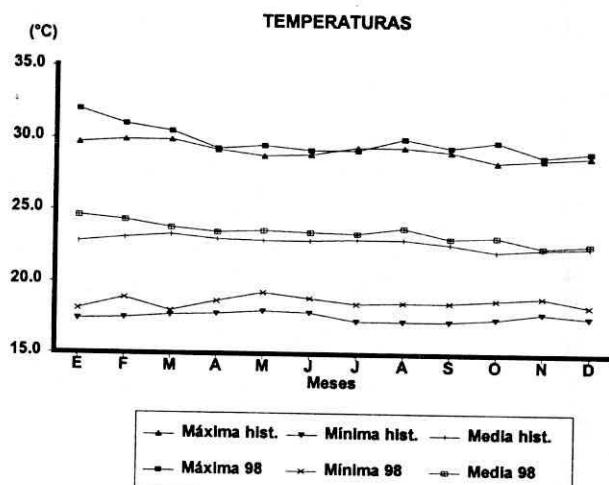
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.2	29.2	22.6	78.7	0.0	5.4	5.4	6.0
2	19.2	24.4	21.0	87.7	.3	.5	.8	.4
3	18.0	29.0	21.2	81.3	31.1	0.0	31.1	4.6
4	17.4	28.8	21.6	81.3	0.0	0.0	0.0	4.0
5	18.9	29.2	22.8	77.3	0.0	7.5	7.5	5.7
6	19.8	24.0	21.2	88.3	3.0	0.0	3.0	.1
7	18.0	27.0	20.6	81.7	.9	0.0	.9	2.4
8	16.0	30.0	22.3	73.0	0.0	0.0	0.0	9.3
9	19.0	30.4	24.3	69.7	0.0	1.0	1.0	7.3
10	19.4	28.8	23.4	76.7	.3	11.4	11.7	2.0
11	19.0	29.2	23.3	79.3	.3	1.5	1.8	2.7
12	19.2	29.1	23.6	75.3	0.0	1.8	1.8	4.7
13	19.8	28.4	22.8	79.3	.1	0.0	.1	2.4
14	18.2	30.0	23.6	74.3	0.0	.3	.3	5.7
15	19.8	28.4	23.5	74.0	0.0	0.0	0.0	3.3
16	19.4	25.2	22.2	80.7	0.0	0.0	0.0	0.0
17	18.6	29.6	23.4	76.0	0.0	0.0	0.0	3.8
18	17.8	30.3	23.6	69.3	0.0	2.3	2.3	4.3
19	19.2	30.4	23.4	73.7	0.0	3.1	3.1	5.2
20	18.2	28.6	23.2	72.7	0.0	0.0	0.0	2.7
21	18.0	29.0	22.6	74.0	0.0	0.0	0.0	4.4
22	17.2	30.0	22.0	77.3	0.0	0.0	0.0	7.1
23	15.8	30.8	22.8	69.0	0.0	2.9	2.9	9.4
24	17.4	29.6	23.0	73.3	0.0	0.0	0.0	7.2
25	18.0	30.0	22.2	79.0	2.2	0.0	2.2	2.2
26	18.4	30.0	23.3	69.3	0.0	1.0	1.0	7.4
27	17.8	30.8	22.4	77.0	0.0	0.0	0.0	8.8
28	19.4	29.2	21.9	78.7	5.7	1.2	6.9	4.2
29	18.0	29.2	22.7	77.0	0.0	0.0	0.0	4.5
30	18.8	31.0	23.3	72.3	0.0	0.0	0.0	7.5
31	18.0	31.8	23.8	72.3	0.0	0.0	0.0	8.4
Total :	—	—	—	—	43.9	39.9	83.8	147.7
Promedio :	18.4	29.1	22.7	76.4				

Estación : GRANJA LUKER  
 Año : 1998

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.	Días Lluvia	Brillo Sol. (h)
Enero	18.1	32.0	24.6	34.0	16.0	70.9	98.1	7	212.8
Febrero	18.9	31.0	24.3	34.8	15.0	70.1	163.2	11	149.3
Marzo	18.0	30.5	23.8	33.0	16.0	68.0	86.6	16	147.9
Abril	18.7	29.3	23.5	32.0	16.5	73.2	371.9	21	117.0
Mayo	19.3	29.5	23.6	33.4	16.5	79.2	248.2	20	108.2
Junio	18.9	29.2	23.5	32.4	16.0	81.3	213.8	15	124.7
Julio	18.5	29.2	23.4	31.8	17.0	80.6	282.7	23	152.9
Agosto	18.6	30.0	23.8	32.4	16.6	80.4	256.6	17	163.6
Septiembre	18.6	29.4	23.1	32.8	16.6	82.0	237.9	23	127.9
Octubre	18.8	29.8	23.2	32.4	16.6	76.2	250.2	24	140.2
Noviembre	19.0	28.8	22.5	30.9	17.0	78.3	396.3	25	135.6
Diciembre	18.4	29.1	22.7	31.8	15.8	76.4	83.8	18	147.7
Promedio :	18.7	29.8	23.5			76.4			
Absoluta :				34.8	15.0				
Total :							2689.3	220	1727.8



Estación : EL ALGARROBO  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANIZALES

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.1	31.6	23.4	67.3	0.0	0.0	0.0	6.9
2	15.0	33.4	22.8	62.7	0.0	0.0	0.0	8.4
3	16.2	34.2	24.4	60.3	0.0	0.0	0.0	8.0
4	15.2	34.8	24.3	56.0	0.0	0.0	0.0	8.5
5	15.8	32.7	23.7	62.0	0.0	5.6	5.6	7.6
6	17.5	30.1	23.1	72.7	1.2	7.6	8.8	3.5
7	19.1	27.2	22.0	81.3	2.5	0.0	2.5	.7
8	16.8	32.5	22.7	67.0	0.0	0.0	0.0	9.7
9	15.4	32.0	22.5	66.0	0.0	0.0	0.0	9.1
10	15.1	32.6	22.8	66.7	0.0	0.0	0.0	9.4
11	16.3	33.4	23.5	61.3	0.0	0.0	0.0	8.6
12	17.5	28.7	21.7	75.3	0.0	0.0	0.0	.2
13	16.1	32.4	22.8	66.0	0.0	0.0	0.0	6.9
14	16.7	30.3	22.0	75.7	0.0	0.0	0.0	2.0
15	16.8	32.5	24.0	67.0	0.0	0.0	0.0	9.0
16	18.0	32.2	24.8	62.0	0.0	1.6	1.6	7.1
17	19.5	32.0	23.2	68.7	0.0	0.0	0.0	6.5
18	15.1	33.7	22.8	64.7	0.0	0.0	0.0	9.4
19	17.4	31.1	22.7	69.0	0.0	0.0	0.0	5.5
20	17.6	30.0	22.7	69.0	0.0	0.0	0.0	3.4
21	15.0	32.0	22.8	67.3	0.0	0.0	0.0	6.4
22	14.5	32.6	22.9	66.7	0.0	0.0	0.0	9.2
23	17.0	32.7	24.0	66.3	0.0	0.0	0.0	9.0
24	19.4	31.2	23.0	69.3	0.0	0.0	0.0	7.5
25	15.4	32.7	22.5	59.0	0.0	0.0	0.0	7.8
26	15.0	33.9	23.8	59.0	0.0	0.0	0.0	8.7
27	14.6	32.7	23.2	62.3	0.0	22.0	22.0	6.4
28	19.2	29.5	22.5	73.0	0.0	0.0	0.0	1.9
29	15.4	32.5	23.2	62.0	0.0	0.0	0.0	7.0
30	18.5	31.9	24.9	56.7	0.0	.4	.4	5.4
31	18.2	33.5	24.3	66.3	0.0	0.0	0.0	9.3
Total :					3.7	37.2	40.9	209.0
Promedio :	16.7	32.0	23.2	66.1				
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.6	33.5	24.4	59.7	0.0	0.0	0.0	9.0
2	17.5	32.7	24.5	61.7	0.0	0.0	0.0	6.5
3	19.1	31.2	24.5	65.0	0.0	0.0	0.0	2.6
4	18.6	32.9	24.7	62.3	0.0	0.0	0.0	8.6
5	19.9	29.2	23.2	76.0	7.5	2.1	9.6	.4
6	20.3	29.9	23.8	74.0	0.0	0.0	0.0	3.3
7	19.8	29.7	24.0	67.3	0.0	11.7	11.7	2.1
8	18.8	22.5	20.4	89.7	9.6	0.0	9.6	0.0
9	19.0	27.4	21.4	86.0	2.6	4.8	7.4	2.5
10	19.4	26.2	22.2	78.3	0.0	0.0	0.0	0.0
11	19.6	26.8	21.9	75.7	0.0	0.0	0.0	1.0
12	17.8	29.2	22.9	71.3	0.0	0.0	0.0	2.7
13	17.0	31.3	23.3	72.3	0.0	8.3	8.3	4.9
14	19.0	29.5	22.5	80.3	2.0	.8	2.8	4.4
15	18.9	32.7	24.1	64.7	0.0	0.0	0.0	9.3
16	17.6	31.4	23.6	62.0	0.0	0.0	0.0	6.3
17	15.0	33.8	23.2	59.3	0.0	0.0	0.0	8.5
18	15.4	31.9	23.5	61.0	0.0	0.0	0.0	8.3
19	19.2	31.4	24.0	65.0	0.0	0.0	0.0	4.4
20	19.4	31.8	24.5	61.3	0.0	.3	.3	8.1
21	18.6	31.6	23.8	67.7	0.0	6.4	6.4	5.5
22	19.9	31.6	24.2	67.7	0.0	.5	.5	8.0
23	19.3	27.3	22.7	80.0	0.0	0.0	0.0	1.3
24	18.0	30.3	23.6	71.3	0.0	0.0	0.0	4.0
25	16.7	33.2	23.6	65.3	0.0	0.0	0.0	9.3
26	16.1	30.8	23.0	72.0	0.0	0.0	0.0	8.3
27	17.4	32.5	24.5	61.7	0.0	0.0	0.0	8.2
28	19.1	31.6	23.7	69.0	0.0	0.0	0.0	6.7
Total :					21.7	34.9	56.6	144.2
Promedio :	18.4	30.5	23.4	69.6				

Estación : EL ALGARROBO  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANIZALES

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.0	31.9	21.8	73.7	1.1	4.6	5.7	8.7
2	19.0	26.5	22.1	81.3	2.3	0.0	2.3	.7
3	16.0	32.8	22.9	60.7	0.0	0.0	0.0	7.4
4	17.1	32.5	24.6	61.0	0.0	0.0	0.0	5.7
5	19.5	29.5	23.1	74.3	.7	0.0	.7	2.7
6	17.2	30.7	22.6	75.3	0.0	0.0	0.0	3.0
7	19.2	27.8	22.7	78.0	.9	14.8	15.7	1.4
8	19.3	30.5	22.7	74.7	0.0	0.0	0.0	4.8
9	16.2	30.1	22.2	74.0	1.7	0.0	1.7	4.2
10	17.6	30.9	24.0	66.7	0.0	8.6	8.6	8.4
11	19.0	30.7	23.6	68.0	0.0	0.0	0.0	5.7
12	16.3	32.9	23.4	60.7	0.0	0.0	0.0	8.9
13	16.2	32.8	23.1	61.3	0.0	0.0	0.0	7.9
14	17.6	30.7	23.6	61.7	0.0	0.0	0.0	2.4
15	17.0	29.7	23.1	65.7	0.0	0.0	0.0	5.3
16	18.5	31.6	24.6	64.0	0.0	0.0	0.0	6.7
17	19.4	32.2	24.3	64.7	0.0	0.0	0.0	6.6
18	17.5	34.1	24.6	65.3	0.0	0.0	0.0	8.6
19	18.7	32.9	24.2	65.3	0.0	0.0	0.0	4.1
20	17.7	30.7	23.4	67.3	0.0	0.0	0.0	.6
21	19.8	31.5	23.0	65.7	0.0	0.0	0.0	3.9
22	16.9	31.8	24.2	59.3	.1	6.6	6.7	5.9
23	19.0	24.1	20.6	87.3	.5	0.0	.5	0.0
24	17.4	28.5	22.5	72.0	0.0	0.0	0.0	7.0
25	17.0	31.5	23.8	63.0	0.0	0.0	0.0	2.1
26	19.0	31.9	22.4	73.3	5.8	7.0	12.8	4.5
27	18.4	29.6	21.9	74.7	4.0	5.1	9.1	5.2
28	18.2	30.2	21.5	77.7	1.1	28.4	29.5	3.7
29	18.7	29.3	21.9	74.3	.4	4.9	5.3	3.3
30	18.9	23.0	20.0	89.7	13.1	.1	13.2	0.0
31	18.0	29.4	22.3	75.0	.4	0.0	.4	4.6
Total :					32.1	80.1	112.2	
Promedio :	17.9	30.4	22.9	70.2				144.0
Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.9	30.4	23.3	66.7	0.0	27.9	27.9	4.4
2	18.8	29.1	23.5	68.0	.3	58.3	58.6	3.1
3	18.4	26.2	22.0	76.7	1.3	1.7	3.0	.9
4	18.0	28.6	22.2	75.7	.9	0.0	.9	3.1
5	15.7	30.5	22.1	68.7	0.0	0.0	0.0	7.4
6	18.2	28.0	23.0	75.3	1.1	43.9	45.0	1.2
7	18.0	30.1	22.4	73.3	7.8	0.0	7.8	6.7
8	19.0	29.5	22.7	74.3	0.0	0.0	0.0	5.4
9	17.2	29.7	23.0	69.0	0.0	.3	.3	2.9
10	18.7	29.3	23.4	69.7	.5	36.2	36.7	4.7
11	19.0	24.2	20.7	85.0	1.7	1.2	2.9	.4
12	16.9	29.3	22.4	66.7	0.0	6.5	6.5	3.0
13	17.8	27.8	21.8	75.0	0.0	15.3	15.3	2.6
14	17.5	27.2	21.3	77.3	0.0	0.0	0.0	.7
15	17.0	30.8	22.9	67.3	4.7	7.7	12.4	6.8
16	17.4	30.1	23.2	72.3	.2	0.0	.2	6.3
17	17.3	31.2	23.2	71.7	0.0	6.2	6.2	4.6
18	18.0	29.0	22.5	74.7	0.0	22.6	22.6	5.5
19	19.0	26.3	21.4	82.0	1.3	6.0	7.3	.4
20	18.0	27.0	21.4	77.0	.1	0.0	.1	2.0
21	17.2	28.4	22.1	74.7	0.0	2.7	2.7	3.5
22	19.0	28.5	22.3	76.3	0.0	0.0	0.0	2.0
23	18.2	27.1	22.0	74.0	0.0	5.3	5.3	.1
24	18.9	27.5	22.1	77.3	0.0	0.0	0.0	2.1
25	18.5	30.2	22.2	71.7	0.0	0.0	0.0	6.5
26	18.3	23.9	20.3	89.0	1.5	0.0	1.5	1.0
27	17.8	30.0	21.8	72.3	.3	0.0	.3	5.2
28	17.7	26.3	19.8	79.3	11.3	0.0	11.3	2.8
29	15.8	31.2	23.2	68.7	0.0	0.0	0.0	7.8
30	19.2	28.2	21.9	78.7	3.6	26.9	30.5	2.4
Total :					36.6	268.7	305.3	
Promedio :	17.9	28.5	22.2	74.3				105.5

Estación : EL ALGARROBO  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANIZALES

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

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	26.3	21.0	80.7	13.7	1.8	15.5	.4
2	17.7	28.0	21.9	75.7	0.0	17.3	17.3	1.9
3	17.7	23.9	19.4	87.3	13.8	15.0	28.8	.2
4	17.0	25.7	19.0	79.7	7.5	.3	7.8	3.6
5	16.5	26.0	20.7	77.7	.6	.3	.9	2.0
6	16.8	26.3	20.6	77.0	0.0	0.0	0.0	.7
7	17.9	29.2	21.0	73.7	6.3	0.0	6.3	5.3
8	17.2	27.4	21.2	74.7	0.0	23.8	23.8	2.7
9	17.0	28.9	22.3	75.7	0.0	0.0	0.0	2.4
10	17.4	28.0	21.7	72.0	0.0	0.0	0.0	4.5
11	17.8	30.5	21.6	73.0	8.0	5.2	13.2	6.7
12	18.2	27.0	20.5	77.3	.6	0.0	.6	1.1
13	13.9	29.7	21.6	71.0	0.0	0.0	0.0	7.5
14	16.0	29.5	22.6	71.3	0.0	.3	.3	5.4
15	18.1	25.0	20.4	83.0	0.0	0.0	0.0	0.0
16	16.2	30.7	22.4	63.3	0.0	0.0	0.0	7.3
17	18.3	29.7	22.9	74.3	0.0	4.4	4.4	2.9
18	18.6	29.2	23.2	76.0	0.0	0.0	0.0	3.4
19	19.2	30.5	23.3	68.3	0.0	0.0	0.0	5.5
20	16.8	32.4	23.8	68.7	0.0	11.7	11.7	8.3
21	19.0	32.5	24.0	68.7	0.0	5.7	5.7	8.7
22	18.8	30.9	24.1	69.3	0.0	.8	.8	6.7
23	19.5	26.2	22.0	81.0	.2	0.0	.2	0.0
24	17.6	28.2	21.7	82.0	.3	.2	.5	2.5
25	18.7	26.0	22.2	78.7	1.9	24.7	26.6	.3
26	18.2	25.2	20.7	83.0	8.9	26.1	35.0	1.1
27	17.6	24.6	20.6	78.7	1.4	16.1	17.5	1.0
28	17.3	26.3	20.5	77.0	.6	15.5	16.1	.2
29	17.2	24.0	20.4	80.0	.6	.1	.7	.1
30	16.0	28.2	21.0	74.3	.1	0.0	.1	4.1
31	16.9	29.1	21.2	74.0	.7	4.5	5.2	4.2
Total :	17.5	27.9	21.6	75.7	65.2	173.8	239.0	100.7
Promedio :								

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.1	24.4	20.0	85.3	2.3	16.5	18.8	.8
2	14.3	25.2	19.6	82.3	.3	3.4	3.7	4.1
3	16.2	24.8	19.8	84.0	.9	0.0	.9	1.1
4	13.8	26.7	19.4	81.0	0.0	0.0	0.0	4.4
5	16.0	26.2	20.1	87.3	2.6	.1	2.7	3.9
6	16.1	29.3	21.6	74.3	.2	0.0	.2	6.5
7	17.8	27.0	20.6	77.0	0.0	0.0	0.0	1.9
8	16.6	27.6	20.3	79.7	1.4	3.2	4.6	2.6
9	18.0	28.9	22.3	72.7	0.0	.7	.7	3.2
10	17.0	29.7	22.5	73.7	0.0	0.0	0.0	5.1
11	16.8	29.4	22.1	72.3	0.0	0.0	0.0	4.6
12	17.9	28.6	22.1	73.7	0.0	0.0	0.0	1.7
13	15.2	31.6	23.5	66.3	0.0	0.0	0.0	6.9
14	15.6	29.5	21.8	72.0	0.0	18.8	18.8	2.4
15	17.2	22.7	19.3	85.7	.4	9.4	9.8	.1
16	16.7	27.0	20.6	74.3	.2	0.0	.2	3.3
17	17.0	28.5	21.3	70.7	0.0	0.0	0.0	5.9
18	16.6	29.0	21.6	73.7	0.0	0.0	0.0	2.8
19	16.0	28.2	22.0	70.3	0.0	0.0	0.0	4.6
20	18.0	28.0	21.6	74.7	0.0	0.0	0.0	2.1
21	18.2	26.8	20.3	78.0	0.0	22.9	22.9	2.7
22	16.5	24.7	19.8	79.3	0.0	0.0	0.0	.8
23	17.4	27.8	21.8	71.0	0.0	7.1	7.1	3.0
24	17.2	29.1	21.3	72.0	0.0	0.0	0.0	5.1
25	16.8	28.8	21.5	73.3	0.0	0.0	0.0	4.2
26	15.9	30.0	21.4	74.3	0.0	2.2	2.2	4.6
27	17.4	27.1	21.4	77.7	0.0	3.2	3.2	.8
28	16.9	26.2	19.8	83.7	1.7	4.3	6.0	4.0
29	17.0	26.0	20.4	78.0	0.0	0.0	0.0	1.4
30	13.2	30.8	21.2	64.7	0.0	0.0	0.0	8.0
31								
Total :	16.5	27.7	21.0	76.1	10.0	91.8	101.8	102.6
Promedio :								

Estación : EL ALGARROBO  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANIZALES

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

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.5	31.8	22.2	63.7	0.0	0.0	0.0	7.8
2	14.4	28.7	21.3	70.7	0.0	0.0	0.0	3.8
3	16.5	29.1	22.0	73.3	5.0	1.1	6.1	4.9
4	17.5	25.8	21.0	77.7	1.6	16.7	18.3	2.0
5	16.9	24.0	19.9	82.3	1.2	7.7	8.9	.4
6	16.4	28.1	20.6	80.3	.5	2.7	3.2	5.1
7	17.0	25.0	19.6	85.3	1.1	0.0	1.1	1.2
8	16.0	27.6	20.7	77.3	0.0	9.2	9.2	3.8
9	17.5	26.5	20.1	77.0	0.0	.4	.4	3.0
10	17.7	28.2	20.9	78.7	.3	0.0	.3	2.7
11	16.0	28.5	21.6	70.3	0.0	0.0	0.0	4.5
12	17.0	29.8	22.3	67.3	0.0	0.0	0.0	7.4
13	16.9	29.5	20.8	69.3	0.0	0.0	0.0	6.7
14	15.2	25.4	20.6	75.0	.2	0.0	.2	3.0
15	14.7	28.3	20.3	73.0	.4	.3	.7	5.0
16	16.5	26.9	20.6	72.0	0.0	31.0	31.0	2.7
17	17.0	27.0	20.9	73.3	0.0	.5	.5	3.7
18	16.7	26.2	20.4	74.0	0.0	26.7	26.7	3.9
19	16.2	28.1	20.5	74.0	0.0	2.3	2.3	6.8
20	15.0	29.8	21.0	68.0	0.0	0.0	0.0	6.6
21	14.5	29.1	20.5	73.7	0.0	0.0	0.0	5.8
22	16.9	26.0	20.0	77.7	.3	0.0	.3	1.4
23	16.8	28.2	21.4	74.3	0.0	4.8	4.8	5.0
24	17.8	27.2	21.5	72.0	.9	0.0	.9	4.4
25	16.2	27.1	20.4	75.7	.6	0.0	.6	3.0
26	15.3	30.6	21.2	69.0	0.0	0.0	0.0	6.7
27	15.3	28.2	21.0	71.3	0.0	.3	.3	5.2
28	17.0	28.8	21.2	75.7	6.4	30.6	37.0	5.6
29	17.2	28.5	21.8	70.3	0.0	2.3	2.3	5.5
30	17.5	27.2	20.4	75.7	.4	0.0	.4	2.9
31	15.8	27.8	20.4	76.3	0.0	0.0	0.0	3.6
Total :	16.3	27.8	20.9	74.0	18.9	136.6	155.5	134.1
Promedio :								

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.8	29.9	21.4	71.7	0.0	1.9	1.9	6.3
2	16.7	30.4	22.3	68.3	0.0	2.0	2.0	8.2
3	16.3	29.2	21.8	69.7	0.0	0.0	0.0	6.9
4	16.7	29.1	21.8	70.7	0.0	0.0	0.0	5.6
5	18.2	27.1	21.4	76.7	.9	9.0	9.9	3.0
6	16.5	25.0	19.9	77.0	.1	.4	.5	1.5
7	16.9	27.0	20.8	75.7	.1	26.8	26.9	2.1
8	16.0	26.0	19.7	75.7	0.0	0.0	0.0	4.3
9	13.6	30.7	19.3	73.7	0.0	.3	.3	7.3
10	14.0	29.1	20.7	71.0	0.0	0.0	0.0	5.1
11	17.8	29.4	22.0	69.7	.1	0.0	.1	7.4
12	16.0	27.3	21.2	72.7	0.0	0.0	0.0	.8
13	16.1	28.2	20.8	73.0	0.0	1.0	1.0	3.2
14	17.7	28.3	20.5	73.3	2.6	26.2	28.8	3.9
15	16.3	23.0	19.4	82.0	0.0	0.0	0.0	.4
16	15.2	26.3	19.7	76.3	5.5	0.0	5.5	4.2
17	14.0	26.1	20.3	75.3	0.0	0.0	0.0	3.5
18	15.1	30.0	22.3	67.0	0.0	15.5	15.5	8.1
19	17.0	28.2	20.8	73.7	0.0	4.9	4.9	3.2
20	17.3	29.0	21.7	74.3	.3	14.2	14.5	4.8
21	17.6	28.9	21.4	76.7	0.0	0.0	0.0	5.1
22	16.0	28.6	22.5	70.3	0.0	0.0	0.0	4.0
23	16.4	31.7	22.8	70.7	0.0	0.0	0.0	8.5
24	17.8	31.6	23.8	65.0	0.0	.3	.3	7.2
25	18.0	27.7	21.9	74.0	.3	24.6	24.9	2.2
26	17.8	26.0	20.4	84.3	7.2	3.6	10.8	1.3
27	17.3	28.2	21.2	72.7	0.0	0.0	0.0	3.0
28	16.5	31.4	22.6	67.3	0.0	0.0	0.0	8.7
29	17.0	30.8	22.7	68.7	0.0	0.0	0.0	6.7
30	18.7	28.3	22.8	73.0	.6	0.0	.6	1.3
31	18.2	26.8	21.8	76.3	0.0	0.0	0.0	1.7
Total :	16.6	28.4	21.3	73.1	17.7	130.7	148.4	139.5
Promedio :								

Estación : EL ALGARROBO  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANIZALES

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.1	28.6	22.6	66.7	0.0	1.0	1.0	4.0
2	17.6	28.2	21.3	74.0	.6	3.6	4.2	3.9
3	17.9	24.1	19.7	83.3	.3	.4	.7	.1
4	16.1	28.2	20.7	72.0	0.0	0.0	0.0	5.5
5	17.1	28.6	21.3	71.0	1.5	0.0	1.5	5.5
6	14.6	31.9	22.2	66.7	0.0	0.0	0.0	9.4
7	17.5	28.5	22.2	71.0	.8	0.0	.8	1.0
8	18.4	24.6	20.3	81.7	0.0	17.9	17.9	.3
9	18.1	27.8	21.9	69.0	0.0	0.0	0.0	4.1
10	17.8	26.9	21.0	76.0	0.0	0.0	0.0	1.2
11	16.7	28.8	20.4	75.0	.8	0.0	.8	2.7
12	17.4	25.0	19.8	86.0	5.1	8.2	13.3	1.4
13	16.5	27.9	21.2	72.3	0.0	1.0	1.0	3.9
14	17.3	27.0	21.8	72.3	3.0	26.0	29.0	2.4
15	16.7	26.2	20.5	75.7	2.0	0.0	2.0	1.2
16	16.6	30.0	21.8	70.7	0.0	0.0	0.0	5.8
17	15.3	26.4	19.4	91.3	14.3	0.0	14.3	2.3
18	15.1	29.0	21.4	70.7	0.0	0.0	0.0	5.7
19	16.8	27.8	20.6	73.0	0.0	0.0	0.0	3.2
20	17.5	28.5	22.6	70.0	.3	.9	1.2	3.6
21	17.0	28.3	20.6	74.3	24.5	39.9	64.4	2.5
22	17.1	27.3	20.7	78.0	9.9	7.3	17.2	.4
23	17.8	24.9	20.8	76.3	3.4	.3	3.7	.2
24	18.1	27.8	21.7	71.7	0.0	0.0	0.0	3.6
25	16.6	29.9	22.0	67.7	0.0	35.0	35.0	6.5
26	17.5	27.7	22.2	72.0	0.0	13.1	13.1	3.5
27	18.0	26.8	21.5	72.3	2.4	.9	3.3	1.9
28	18.2	30.0	21.7	71.3	0.0	0.0	0.0	6.4
29	16.1	30.9	22.4	65.3	0.0	0.0	0.0	8.5
30	18.1	31.8	23.3	65.0	0.0	0.0	0.0	7.6
31								
Total :					68.9	155.5	224.4	108.3
Promedio :	17.1	28.0	21.3	73.4				

Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.7	30.2	23.4	63.7	0.0	0.0	0.0	4.1
2	19.0	28.7	22.3	71.3	1.0	17.8	18.8	.8
3	17.0	29.2	22.0	73.7	0.0	7.6	7.6	2.3
4	17.3	29.9	22.2	70.0	0.0	0.0	0.0	4.4
5	18.3	30.1	23.0	68.3	0.0	19.3	19.3	5.7
6	18.2	27.8	21.6	72.0	0.0	1.5	1.5	1.5
7	17.9	26.3	21.0	77.0	.2	0.0	.2	1.1
8	16.8	28.0	21.3	74.0	1.0	0.0	1.0	2.6
9	17.4	27.8	22.0	69.0	0.0	0.0	0.0	1.5
10	16.3	30.3	23.2	66.0	0.0	8.6	8.6	7.1
11	18.0	29.9	22.3	68.0	0.0	0.0	0.0	5.4
12	17.4	28.5	21.7	70.3	.1	0.0	.1	4.0
13	16.0	25.1	19.9	76.0	.3	0.0	.3	.7
14	15.6	29.3	20.3	71.3	19.9	0.0	19.9	7.9
15	16.0	29.2	21.7	69.7	0.0	9.2	9.2	6.0
16	16.7	26.8	21.2	72.0	0.0	0.0	0.0	2.7
17	14.3	28.2	20.8	70.3	0.0	0.0	0.0	4.5
18	17.5	30.0	21.8	69.7	0.0	0.0	0.0	6.2
19	18.6	28.1	20.9	72.3	.4	0.0	.4	3.6
20	16.9	27.8	20.8	71.7	.1	0.0	.1	2.3
21	16.5	26.8	19.9	77.0	4.3	0.0	4.3	.1
22	14.6	25.8	19.3	78.0	28.0	0.0	28.0	1.6
23	14.9	26.0	20.0	77.7	2.9	16.8	19.7	4.1
24	16.8	27.0	20.6	74.3	.2	16.4	16.6	3.8
25	17.3	27.6	21.0	75.0	.7	13.8	14.5	3.4
26	17.6	28.1	21.1	71.7	0.0	0.0	0.0	7.3
27	16.1	28.2	20.3	74.0	4.2	13.7	17.9	6.1
28	18.0	29.1	21.0	72.7	0.0	.5	.5	7.0
29	17.9	28.0	22.0	72.0	0.0	35.0	35.0	5.1
30	17.8	25.4	20.9	78.7	.4	0.0	.4	1.1
31	17.2	28.0	21.0	75.0	1.4	1.5	2.9	2.1
Total :					65.1	161.7	226.8	116.1
Promedio :	17.0	28.1	21.3	72.3				

Estación : EL ALGARROBO  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANIZALES

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

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	28.0	21.7	74.0	0.0	35.0	35.0	5.3
2	14.8	29.0	20.8	74.3	0.0	.1	.1	7.5
3	18.2	30.0	22.0	72.7	.2	0.0	.2	6.5
4	17.8	26.2	20.8	76.7	5.6	2.0	7.6	2.1
5	18.0	26.9	21.0	78.7	3.0	2.9	5.9	1.3
6	17.9	27.8	20.2	75.3	.2	0.0	.2	2.7
7	17.8	23.5	19.8	79.3	1.3	0.0	1.3	1.5
8	15.2	25.2	20.9	74.3	0.0	.3	.3	2.9
9	16.7	29.9	21.5	68.0	0.0	35.0	35.0	7.0
10	17.8	28.0	21.4	72.7	0.0	1.0	1.0	4.9
11	16.0	28.9	21.4	67.7	0.0	0.0	0.0	6.3
12	18.0	26.2	19.7	85.7	15.7	.2	15.9	1.9
13	17.4	29.4	21.4	72.3	2.0	40.0	42.0	5.7
14	18.0	28.2	21.1	76.3	3.1	0.0	3.1	4.7
15	16.0	29.1	20.4	74.3	5.3	0.0	5.3	5.5
16	15.1	29.0	21.3	73.0	0.0	0.0	0.0	7.3
17	17.2	28.8	20.8	75.0	19.9	0.0	19.9	4.1
18	18.4	28.0	21.7	72.7	0.0	0.0	0.0	3.7
19	17.0	27.9	20.4	73.3	4.3	0.0	4.3	3.7
20	17.1	27.8	21.4	73.7	12.0	14.0	26.0	4.3
21	16.9	26.0	20.8	76.0	.3	14.7	15.0	2.3
22	17.8	23.7	19.4	79.7	6.2	0.0	6.2	0.0
23	15.0	29.0	20.5	71.0	0.0	3.2	3.2	8.5
24	18.0	24.8	20.4	79.7	14.1	9.0	23.1	2.0
25	17.8	27.4	21.4	73.3	0.0	.8	.8	2.6
26	18.1	27.8	21.5	74.0	0.0	1.4	1.4	4.0
27	18.0	26.0	21.2	75.3	.2	19.5	19.7	1.4
28	17.6	22.9	19.4	84.3	5.4	.3	5.7	.5
29	17.0	27.2	20.5	73.0	0.0	1.1	1.1	5.9
30	17.1	28.2	20.8	73.3	0.0	3.8	3.8	7.1
31	—	—	—	—	98.8	184.3	283.1	123.2
Total :	17.2	27.4	20.9	75.0				
Promedio :								

Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.9	27.0	20.7	75.3	0.0	38.0	38.0	2.6
2	17.8	23.1	19.2	88.3	1.0	1.3	2.3	.3
3	16.9	27.4	21.1	72.7	0.0	0.0	0.0	4.3
4	16.0	27.9	20.6	74.7	0.0	0.0	0.0	3.8
5	16.1	26.2	20.4	75.7	0.0	.3	.3	3.9
6	17.8	22.9	19.4	85.0	9.4	0.0	9.4	.2
7	16.7	24.9	19.0	80.0	.8	0.0	.8	2.9
8	14.1	28.7	21.2	71.3	0.0	5.5	5.5	8.6
9	18.0	29.2	22.4	69.7	0.0	.8	.8	6.9
10	17.9	26.9	21.2	73.0	0.0	16.1	16.1	1.4
11	18.0	28.7	21.1	77.3	3.0	29.0	32.0	2.5
12	16.8	27.0	20.5	72.7	.3	.3	.6	3.5
13	18.2	27.2	21.2	75.0	0.0	0.0	0.0	2.3
14	16.4	27.8	21.4	71.3	0.0	0.0	0.0	3.5
15	17.8	27.0	20.8	73.7	0.0	0.0	0.0	2.3
16	17.0	24.9	20.8	76.7	0.0	0.0	0.0	0.0
17	16.5	27.0	20.3	71.3	0.0	0.0	0.0	2.3
18	15.4	29.0	21.6	71.0	0.0	0.0	0.0	4.9
19	17.8	28.0	21.4	69.3	0.0	.8	.8	3.5
20	16.8	26.7	21.1	73.0	0.0	9.6	9.6	2.7
21	17.0	27.0	20.9	73.3	0.0	.1	.1	5.0
22	16.1	28.0	20.4	73.3	0.0	0.0	0.0	7.2
23	13.6	29.0	20.8	68.3	0.0	19.8	19.8	9.5
24	16.8	28.0	21.3	70.3	0.0	0.0	0.0	6.5
25	16.4	27.8	20.2	74.7	7.5	0.0	7.5	4.3
26	15.4	29.0	20.6	70.7	.2	3.3	3.5	7.9
27	14.7	28.9	20.7	71.0	0.0	.2	.2	8.8
28	17.2	28.0	20.8	71.7	6.5	0.0	6.5	6.1
29	16.0	26.1	20.8	71.0	0.0	0.0	0.0	5.3
30	17.2	29.0	21.4	69.0	.4	.7	1.1	8.0
31	16.0	30.1	21.9	70.0	0.0	0.0	0.0	4.5
Total :	16.6	27.4	20.8	73.6	29.1	125.8	154.9	135.5
Promedio :								

Estación : EL ALGARROBO  
 Año : 1998

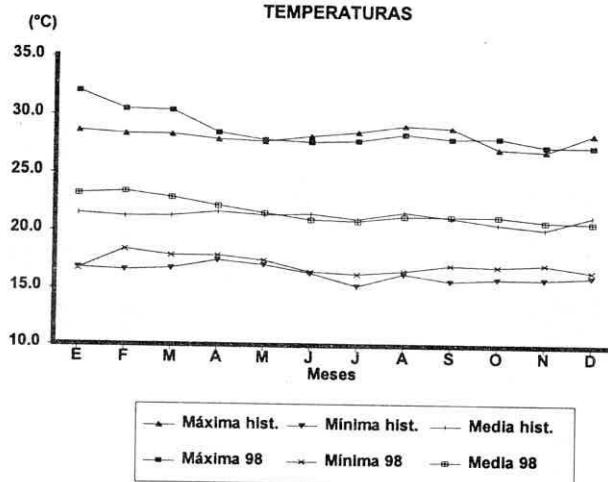
Dpto. : CALDAS  
 Mpio. : MANIZALES

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

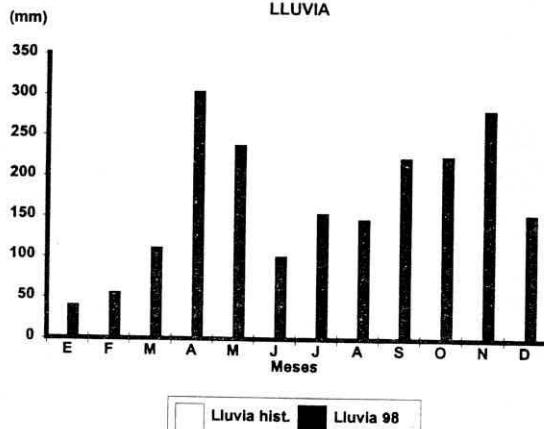
#### TEMPERATURA °C

MES	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	16.7	32.0	23.2	34.8	14.5	66.1	40.9	6	209.0
Febrero	18.4	30.5	23.4	33.8	15.0	69.6	56.6	9	144.2
Marzo	17.9	30.4	22.9	34.1	15.0	70.2	112.2	14	144.0
Abril	17.9	28.5	22.2	31.2	15.7	74.3	305.3	23	105.5
Mayo	17.5	27.9	21.6	32.5	13.9	75.7	239.0	23	100.7
Junio	16.5	27.7	21.0	31.6	13.2	76.1	101.8	15	102.6
Julio	16.3	27.8	20.9	31.8	14.4	74.0	155.5	22	134.1
Agosto	16.6	28.4	21.3	31.7	13.6	73.1	148.4	17	139.5
Septiembre	17.1	28.0	21.3	31.9	14.6	73.4	224.4	19	108.3
Octubre	17.0	28.1	21.3	30.3	14.3	72.3	226.8	23	116.1
Noviembre	17.2	27.4	20.9	30.0	14.8	75.0	283.1	27	123.2
Diciembre	16.6	27.4	20.8	30.1	13.6	73.6	154.9	19	135.5
Promedio :	17.1	28.7	21.7			72.8			
Absoluta :				34.8	13.2				
Total :							2048.9	217	1562.7

#### TEMPERATURAS



#### LLUVIA



□ Lluvia hist. ■ Lluvia 98

Estación : AGRONOMIA  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANIZALES

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.7	23.1	18.6	76.0	11.2	0.0	11.2	5.9
2	13.2	26.2	20.1	63.3	0.0	0.0	0.0	8.9
3	14.3	27.0	20.0	67.0	0.0	0.0	0.0	6.7
4	13.9	27.9	20.9	56.3	0.0	0.0	0.0	8.7
5	14.7	26.5	19.2	63.3	0.0	0.0	0.0	1.7
6	14.8	24.2	18.8	74.3	0.0	.6	.6	3.4
7	14.9	21.3	16.8	86.3	0.0	0.0	0.0	.6
8	12.5	26.5	19.0	65.7	0.0	0.0	0.0	9.0
9	12.8	26.0	19.4	63.3	0.0	0.0	0.0	8.3
10	13.0	27.0	20.1	64.7	0.0	0.0	0.0	8.2
11	13.5	28.0	18.8	72.3	8.8	0.0	8.8	7.0
12	14.1	23.2	18.2	77.7	0.0	0.0	0.0	1.2
13	13.7	24.2	17.3	77.0	4.1	0.0	4.1	4.4
14	13.6	23.0	17.2	81.7	0.0	0.0	0.0	.9
15	12.9	26.0	19.2	72.3	0.0	0.0	0.0	8.9
16	14.8	24.5	19.0	76.3	.1	.1	.2	3.1
17	15.0	23.0	17.9	83.0	2.9	0.0	2.9	1.7
18	12.9	26.0	19.8	63.7	0.0	0.0	0.0	8.6
19	14.0	24.0	19.3	67.7	0.0	0.0	0.0	2.1
20	14.5	22.0	17.6	83.7	13.9	0.0	13.9	.9
21	13.2	25.3	18.9	73.0	0.0	0.0	0.0	6.3
22	13.4	26.0	20.2	70.3	0.0	0.0	0.0	8.7
23	14.9	26.5	21.1	68.0	0.0	0.0	0.0	7.1
24	16.0	26.1	19.8	70.3	0.0	0.0	0.0	8.8
25	13.9	27.0	19.4	60.0	0.0	0.0	0.0	7.4
26	13.7	26.0	19.4	66.3	0.0	0.0	0.0	5.3
27	14.0	25.5	19.9	61.7	0.0	0.0	0.0	5.3
28	15.3	22.5	17.8	83.7	3.0	0.0	3.0	.8
29	13.6	27.0	19.6	66.7	.1	0.0	.1	5.8
30	14.8	26.0	17.6	83.0	7.9	.4	8.3	2.9
31	15.0	28.0	21.1	73.3	.2	0.0	.2	7.6
Total :					52.2	1.1	53.3	166.2
Promedio :	14.1	25.3	19.1	71.4				
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.4	26.0	21.4	68.3	0.0	0.0	0.0	6.1
2	14.7	24.5	19.8	71.7	0.0	0.0	0.0	4.8
3	15.8	24.9	18.7	81.0	9.1	0.0	9.1	2.0
4	14.9	25.8	18.5	76.7	0.0	0.0	0.0	5.0
5	15.5	20.5	19.0	88.7	0.0	0.0	0.0	0.0
6	16.0	21.6	18.4	81.0	.4	0.0	.4	1.0
7	15.0	24.0	18.6	82.3	16.9	40.6	57.5	2.2
8	14.5	18.0	16.5	92.7	8.5	5.6	14.1	0.0
9	13.9	18.1	16.2	93.0	.4	0.0	.4	0.0
10	14.8	18.5	16.2	91.7	2.0	0.0	2.0	0.0
11	14.1	19.2	16.6	87.7	0.0	0.0	0.0	.2
12	13.0	22.0	17.6	78.0	0.0	0.0	0.0	2.0
13	13.5	22.8	17.6	76.3	0.0	33.3	33.3	4.6
14	13.1	23.0	16.8	88.0	4.9	.6	5.5	4.5
15	13.3	23.8	19.0	77.3	0.0	0.0	0.0	7.3
16	15.0	25.0	19.1	65.7	0.0	0.0	0.0	5.9
17	13.8	27.2	19.6	55.7	0.0	0.0	0.0	9.6
18	14.0	25.0	19.4	65.0	0.0	0.0	0.0	8.0
19	14.9	24.2	19.2	76.3	0.0	0.0	0.0	4.3
20	14.0	25.4	19.5	71.0	0.0	0.0	0.0	9.2
21	14.2	23.2	19.2	76.3	0.0	0.0	0.0	5.4
22	15.8	26.0	20.0	75.0	0.0	0.0	0.0	1.9
23	15.0	22.0	17.6	82.3	.1	0.0	.1	1.3
24	14.9	23.0	18.2	75.7	0.0	0.0	0.0	4.4
25	13.9	26.3	20.2	65.3	0.0	0.0	0.0	8.7
26	14.5	25.4	19.0	71.7	0.0	0.0	0.0	7.7
27	14.0	25.8	18.6	76.3	0.0	0.0	0.0	9.0
28	14.2	24.2	18.7	78.0	0.0	5.5	5.5	6.5
29								
30								
31								
Total :					42.3	85.6	127.9	121.6
Promedio :	14.5	23.4	18.5	77.5				

Estación : AGRONOMIA  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANIZALES

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

Marzo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	13.9	24.5	18.1	78.3	33.0	0.0	33.0	5.1
2	12.0	20.0	16.6	90.0	2.5	0.0	2.5	6.1
3	12.9	24.4	17.6	72.7	.5	0.0	.5	.7
4	14.5	24.5	19.0	72.0	0.0	0.0	0.0	5.2
5	15.5	22.5	17.8	80.7	1.0	0.0	1.0	2.0
6	14.0	24.5	18.6	74.3	.2	0.0	.2	3.3
7	15.0	20.5	17.0	91.3	6.5	13.1	19.6	.7
8	14.3	22.8	17.6	77.7	2.2	0.0	2.2	2.7
9	13.9	21.9	16.8	87.7	7.3	0.0	7.3	3.9
10	14.0	24.4	18.7	74.7	0.0	16.3	16.3	6.3
11	15.0	21.5	17.8	75.0	.7	0.0	.7	3.8
12	13.0	26.5	19.7	65.7	0.0	0.0	0.0	9.7
13	12.8	25.4	17.4	69.3	2.1	0.0	2.1	8.4
14	14.9	24.0	18.0	68.3	0.0	0.0	0.0	2.5
15	13.0	22.0	18.8	77.3	0.0	0.0	0.0	5.0
16	14.0	24.2	18.2	79.0	1.4	0.0	1.4	4.2
17	15.1	24.5	18.6	77.7	.2	0.0	.2	6.9
18	14.3	26.8	20.4	70.0	0.0	0.0	0.0	9.5
19	15.0	25.0	18.5	72.0	0.0	0.0	0.0	3.6
20	14.9	22.6	18.2	79.0	2.8	0.0	2.8	.4
21	14.2	23.0	17.8	81.7	.9	0.0	.9	2.7
22	14.3	24.0	19.8	72.0	2.6	5.5	8.1	4.8
23	15.0	18.0	16.0	94.0	.4	.1	.5	.1
24	13.5	20.0	16.3	82.7	2.1	0.0	2.1	1.0
25	13.9	25.1	18.8	70.7	0.0	.3	.3	6.3
26	14.5	24.2	17.8	78.3	4.2	2.4	6.6	4.0
27	14.7	24.0	18.2	81.0	.7	11.3	12.0	3.9
28	15.2	23.4	17.5	87.3	0.0	0.0	0.0	3.4
29	15.0	23.0	17.4	88.3	6.0	0.0	6.0	4.4
30	15.9	18.5	16.4	92.7	13.9	.2	14.1	0.0
31	15.0	24.4	18.8	82.3	1.0	0.0	1.0	4.1
Total :					92.2	49.2	141.4	
Promedio :	14.3	23.2	18.0	78.8				124.7

Abril	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	23.5	18.1	80.3	6.8	4.2	11.0	5.4
2	15.3	20.5	17.7	91.7	5.2	57.4	62.6	1.2
3	15.3	21.0	17.1	90.7	8.1	4.6	12.7	.4
4	14.8	21.4	17.5	87.0	2.6	0.0	2.6	1.8
5	13.8	24.3	17.9	77.7	2.2	.2	2.4	4.9
6	15.4	22.6	18.5	86.3	4.5	3.6	8.1	1.4
7	15.2	22.8	18.7	81.0	7.4	0.0	7.4	4.5
8	16.0	24.0	18.4	84.3	0.0	0.0	0.0	3.9
9	14.8	22.6	18.6	83.7	0.0	9.0	9.0	2.1
10	15.3	22.3	18.6	86.3	2.1	20.6	22.7	2.7
11	15.2	18.2	16.4	95.0	6.1	0.0	6.1	0.0
12	13.5	20.0	17.0	83.0	13.8	.1	13.9	.2
13	14.2	21.2	17.4	83.0	8.1	17.4	25.5	2.0
14	15.0	22.7	17.2	85.7	0.0	0.0	0.0	2.1
15	15.0	24.5	19.1	81.3	21.6	.2	21.8	5.1
16	15.7	23.0	19.2	83.7	.6	0.0	.6	1.5
17	15.2	23.9	19.1	80.0	1.3	.8	2.1	5.0
18	15.7	23.5	18.2	89.3	3.0	6.0	9.0	.9
19	16.0	20.0	17.5	90.0	9.0	2.0	11.0	0.0
20	15.3	21.0	17.1	90.3	2.6	0.0	2.6	0.0
21	15.0	22.2	18.2	84.3	2.0	.6	2.6	0.0
22	15.1	22.7	18.4	83.0	.1	.3	.4	1.8
23	15.0	20.2	17.8	84.7	0.0	0.0	0.0	0.0
24	14.9	21.2	17.3	84.0	1.3	0.0	1.3	1.2
25	15.0	23.0	18.4	82.0	0.0	0.0	0.0	6.3
26	14.0	19.0	16.1	93.0	8.0	0.0	8.0	1.9
27	14.2	23.0	17.5	83.0	0.0	0.0	0.0	4.5
28	14.5	21.0	16.6	89.3	23.7	0.0	23.7	3.6
29	13.6	25.4	19.0	80.0	0.0	0.0	0.0	6.2
30	15.8	20.5	17.6	89.7	3.0	0.0	3.0	.4
31								
Total :					143.1	127.0	270.1	
Promedio :	15.0	22.0	17.9	85.4				71.0

Estación : AGRONOMIA  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANIZALES

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

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín.	Máx.	Med.		Día	Noche	Total	
1	15.0	20.0	16.7	88.0	3.4	3.1	6.5	.3
2	14.3	20.2	17.0	89.0	0.0	0.0	0.0	.4
3	15.0	18.0	15.8	95.0	14.1	6.8	20.9	0.0
4	14.0	18.5	14.9	95.3	4.2	1.2	5.4	.2
5	14.1	20.1	16.3	88.0	13.5	.6	14.1	.5
6	14.2	19.9	17.0	85.0	0.0	1.2	1.2	.2
7	15.0	21.9	17.0	82.7	1.3	.7	2.0	2.7
8	14.3	22.0	18.1	81.0	0.0	0.0	0.0	2.2
9	14.8	23.2	17.8	89.3	5.3	0.0	5.3	2.3
10	14.0	23.8	17.9	88.3	1.7	.1	1.8	4.3
11	14.8	22.0	17.8	82.7	1.4	.1	1.5	2.0
12	15.5	21.7	16.9	82.3	8.8	0.0	8.8	.4
13	13.0	25.2	19.1	70.3	0.0	0.0	0.0	8.1
14	15.1	24.8	19.1	78.7	0.0	0.0	0.0	4.2
15	16.0	22.3	18.2	86.3	0.0	0.0	0.0	.9
16	14.0	24.7	19.6	71.7	0.0	0.0	0.0	4.6
17	16.0	23.9	19.2	85.0	0.0	0.0	0.0	4.0
18	16.1	22.8	19.0	81.0	0.0	0.0	0.0	2.5
19	16.8	24.8	19.2	78.0	0.0	0.0	0.0	6.1
20	15.0	26.3	20.9	68.3	0.0	3.0	3.0	8.4
21	15.8	25.0	20.0	77.3	0.0	0.0	0.0	5.5
22	15.8	24.5	19.6	77.7	.2	0.0	.2	5.3
23	16.0	20.0	17.3	87.3	1.0	0.0	1.0	0.0
24	14.8	21.3	17.6	79.7	0.0	0.0	0.0	2.1
25	15.0	20.0	16.7	93.0	1.0	26.2	27.2	0.0
26	14.0	18.0	15.6	93.0	6.9	6.8	13.7	.5
27	13.7	18.7	15.1	94.7	9.0	17.8	26.8	.7
28	13.8	16.9	15.0	92.7	2.8	23.7	26.5	0.0
29	12.8	17.2	15.1	93.3	.3	.3	.6	0.0
30	13.2	20.8	16.0	83.3	1.4	0.0	1.4	2.0
31	13.8	20.0	16.4	83.3	22.3	3.8	26.1	2.3
Total :					98.6	95.4	194.0	72.7
Promedio :	14.7	21.6	17.5	84.6				

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín.	Máx.	Med.		Día	Noche	Total	
1	13.1	17.6	15.3	89.3	5.6	2.5	8.1	.1
2	12.2	18.2	15.3	86.7	0.0	2.2	2.2	2.7
3	13.0	18.5	15.3	84.3	1.1	0.0	1.1	2.0
4	12.0	21.2	16.0	80.3	.4	0.0	.4	4.8
5	13.8	20.3	16.2	76.7	1.2	1.3	2.5	3.3
6	12.7	21.9	17.4	81.3	4.6	0.0	4.6	6.1
7	13.8	19.0	16.4	87.7	3.1	0.0	3.1	1.4
8	14.0	19.6	16.0	86.3	1.4	1.7	3.1	1.3
9	13.9	21.5	16.7	84.0	0.0	1.2	1.2	2.6
10	13.2	22.2	17.2	82.3	0.0	0.0	0.0	3.7
11	13.0	23.0	17.2	79.0	.1	0.0	.1	6.2
12	14.2	22.4	18.0	72.7	0.0	0.0	0.0	3.3
13	13.7	25.0	19.2	68.0	0.0	0.0	0.0	6.8
14	13.8	21.3	17.4	81.0	0.0	0.0	0.0	.7
15	14.2	17.8	15.3	96.0	5.0	36.7	41.7	0.0
16	13.5	20.0	15.7	85.0	2.7	0.0	2.7	1.4
17	12.1	23.0	17.3	73.3	0.0	0.0	0.0	7.4
18	13.5	23.2	17.3	81.0	0.0	0.0	0.0	4.0
19	13.0	21.8	17.5	82.0	0.0	0.0	0.0	5.1
20	14.0	19.9	17.0	84.3	0.0	0.0	0.0	1.2
21	14.6	19.2	16.2	90.3	2.9	12.8	15.7	.9
22	13.9	20.2	16.0	82.3	.7	0.0	.7	1.1
23	13.7	20.8	16.7	87.7	.6	0.0	.6	1.5
24	13.8	22.0	16.8	80.0	0.0	0.0	0.0	5.3
25	13.2	22.2	17.4	73.3	0.0	0.0	0.0	5.5
26	13.0	22.0	17.6	81.0	0.0	0.0	0.0	1.4
27	14.0	19.0	16.2	88.3	0.0	.7	.7	.7
28	13.8	18.8	15.4	92.0	4.9	0.0	4.9	1.4
29	13.0	21.0	16.0	75.3	0.0	0.0	0.0	2.9
30	11.6	24.0	17.6	61.0	0.0	0.0	0.0	10.6
31								
Total :					34.3	59.1	93.4	95.4
Promedio :	13.4	20.9	16.7	81.7				

Estación : AGRONOMIA  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANIZALES

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

Julio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	13.2	23.7	18.2	60.7	0.0	0.0	0.0	8.7
2	12.7	22.2	17.2	73.7	0.0	0.0	0.0	3.5
3	14.0	21.2	17.4	75.3	.2	.2	.4	1.9
4	13.6	17.7	15.5	91.7	2.6	38.6	41.2	1.2
5	12.8	18.2	15.2	92.0	2.4	1.6	4.0	.3
6	13.0	21.0	15.7	85.0	6.6	2.3	8.9	2.0
7	13.1	19.0	15.1	91.7	3.0	0.0	3.0	1.3
8	12.5	19.0	15.7	86.7	.6	3.6	4.2	2.4
9	13.0	19.6	15.2	88.3	.4	0.0	.4	3.3
10	13.8	21.5	16.0	83.3	.8	0.0	.8	2.0
11	13.0	19.4	16.4	78.7	0.0	0.0	0.0	3.0
12	12.9	21.8	17.2	80.3	0.0	0.0	0.0	3.8
13	14.0	22.5	17.0	75.3	0.0	0.0	0.0	6.8
14	13.2	18.8	15.7	78.3	.4	0.0	.4	1.3
15	12.0	20.3	15.6	73.7	4.4	0.0	4.4	3.2
16	13.7	19.9	16.2	86.7	.5	7.2	7.7	1.9
17	13.2	21.5	16.3	82.3	0.0	0.0	0.0	4.3
18	13.1	19.0	16.4	84.7	.5	12.9	13.4	1.4
19	13.0	21.6	17.0	80.7	.5	2.3	2.8	6.6
20	12.7	22.7	17.8	66.0	0.0	0.0	0.0	7.1
21	12.2	22.1	17.0	73.3	0.0	0.0	0.0	6.4
22	13.9	20.0	16.1	84.3	1.9	0.0	1.9	2.2
23	12.8	22.0	16.7	83.0	0.0	.4	.4	4.1
24	13.4	19.8	17.2	78.7	0.0	0.0	0.0	3.6
25	12.5	20.1	15.8	85.3	0.0	0.0	0.0	3.4
26	13.0	23.2	16.6	81.7	4.0	0.0	4.0	5.4
27	13.1	20.0	16.1	81.7	0.0	.4	.4	3.7
28	13.9	21.2	16.3	88.0	4.5	2.2	6.7	2.8
29	13.0	22.5	16.7	82.7	0.0	1.7	1.7	5.3
30	13.1	21.3	16.2	76.7	.6	0.0	.6	2.2
31	13.2	20.2	16.6	79.7	0.0	0.0	0.0	2.3
Total :					33.9	73.4	107.3	107.4
Promedio :	13.1	20.7	16.4	81.0				

Agosto	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	12.5	22.5	17.6	73.3	0.0	0.0	0.0	5.0
2	14.0	24.5	19.3	72.0	0.0	.4	.4	7.8
3	14.0	23.5	18.2	74.3	0.0	0.0	0.0	5.6
4	13.8	23.0	18.0	75.3	0.0	0.0	0.0	2.4
5	15.0	21.0	17.1	88.0	2.1	13.0	15.1	2.0
6	13.0	18.5	15.7	90.3	.9	.7	1.6	.4
7	13.1	19.5	15.8	83.0	1.6	5.3	6.9	.5
8	13.0	20.0	16.2	81.0	0.0	0.0	0.0	9.5
9	11.0	23.8	16.2	76.0	0.0	0.0	0.0	5.2
10	12.4	22.5	17.2	73.0	0.0	1.4	1.4	3.3
11	13.9	23.2	17.9	75.0	0.0	0.0	0.0	9.1
12	13.8	22.7	17.0	72.7	0.0	0.0	0.0	1.7
13	12.7	21.3	16.2	73.0	0.0	.1	.1	3.5
14	13.8	20.4	16.0	83.0	.2	27.7	27.9	2.1
15	13.0	18.6	15.2	92.3	.5	.6	1.1	2.3
16	12.1	18.7	16.7	77.3	12.3	0.0	12.3	3.8
17	11.8	19.5	15.0	80.3	1.0	0.0	1.0	2.1
18	11.7	23.0	17.1	75.3	0.0	1.3	1.3	5.7
19	13.0	19.8	15.5	79.0	0.0	0.0	0.0	7.4
20	12.9	21.8	15.7	80.3	1.4	2.4	3.8	1.5
21	13.7	21.0	16.4	83.7	0.0	0.0	0.0	1.6
22	13.2	21.3	17.0	73.7	.5	0.0	.5	10.7
23	12.8	23.9	18.6	73.7	0.0	0.0	0.0	4.7
24	13.0	22.2	17.4	79.0	3.3	2.8	6.1	5.4
25	14.0	19.0	15.9	91.3	10.0	9.6	19.6	1.3
26	12.8	17.0	14.7	92.0	7.1	2.1	9.2	.5
27	13.0	21.0	16.4	79.0	0.0	0.0	0.0	4.3
28	12.3	23.3	17.9	69.0	0.0	0.0	0.0	10.1
29	13.0	23.0	17.4	77.7	0.0	0.0	0.0	5.3
30	13.8	22.0	17.2	81.3	1.7	0.0	1.7	.7
31	13.9	19.0	15.3	82.3	.1	0.0	.1	2.0
Total :					42.7	67.4	110.1	127.5
Promedio :	13.1	21.3	16.7	79.3				

Estación : AGRONOMIA  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANIZALES

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	12.8	21.1	17.0	76.0	1.0	0.0	1.0	3.0
2	12.7	21.0	15.2	82.7	5.0	.6	5.6	2.6
3	13.1	17.0	14.8	90.0	2.8	.1	2.9	.7
4	12.8	21.2	16.6	81.0	0.0	.4	.4	5.3
5	13.0	22.0	17.4	72.7	1.5	0.0	1.5	6.5
6	12.0	22.1	16.5	65.0	0.0	0.0	0.0	8.5
7	13.5	22.0	17.2	72.3	0.0	.9	.9	3.0
8	13.9	17.4	15.0	90.0	8.6	.6	9.2	.2
9	13.0	20.1	16.3	87.0	.4	0.0	.4	3.7
10	12.8	20.2	16.4	80.7	0.0	0.0	0.0	1.7
11	12.8	20.1	16.0	78.0	.5	0.0	.5	1.5
12	13.9	17.6	15.0	87.3	7.3	5.7	13.0	.8
13	11.4	19.9	16.8	77.0	.5	2.9	3.4	2.5
14	13.0	20.1	15.8	79.0	6.6	6.9	13.5	.3
15	11.5	22.1	17.4	74.0	3.1	0.0	3.1	2.8
16	12.9	21.2	16.2	74.7	1.5	0.0	1.5	5.1
17	12.0	19.8	15.8	87.7	2.1	0.0	2.1	3.3
18	12.1	21.2	17.2	72.7	.1	0.0	.1	4.8
19	13.0	21.0	16.4	82.3	2.5	0.0	2.5	3.4
20	13.4	20.8	16.4	82.7	3.4	1.1	4.5	2.6
21	13.8	20.1	16.8	85.3	0.0	3.8	3.8	1.6
22	13.1	19.1	15.4	84.0	4.1	1.0	5.1	.3
23	13.0	17.9	15.1	92.0	3.6	0.0	3.6	.7
24	13.8	20.4	16.8	78.3	0.0	0.0	0.0	3.2
25	13.1	22.7	17.6	73.3	.7	21.0	21.7	4.9
26	13.0	20.0	16.0	86.0	.8	10.7	11.5	3.1
27	13.1	19.8	15.4	81.3	.2	0.0	.2	2.4
28	13.5	20.7	16.4	73.0	.4	0.0	.4	2.9
29	12.4	22.4	18.8	67.0	0.0	.3	.3	7.5
30	14.1	24.9	18.8	65.7	0.0	0.0	0.0	7.9
31								
Total :					56.7	56.0	112.7	
Promedio :	13.0	20.5	16.4	79.3				96.8
Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	13.9	23.9	17.6	77.0	3.4	0.0	3.4	1.5
2	14.8	21.7	17.7	71.0	.9	0.0	.9	1.9
3	13.7	22.0	17.1	75.0	.1	.4	.5	2.1
4	13.8	21.9	16.8	75.7	.7	0.0	.7	3.2
5	14.0	22.0	17.4	84.0	4.4	9.8	14.2	4.6
6	13.9	20.1	16.2	81.3	1.3	1.8	3.1	1.9
7	13.0	18.2	16.4	85.0	2.4	0.0	2.4	1.3
8	13.0	20.0	16.6	81.7	3.9	0.0	3.9	2.0
9	14.0	20.2	17.8	81.0	1.0	0.0	1.0	2.3
10	13.9	25.0	18.4	76.3	0.0	0.0	0.0	5.5
11	15.1	23.0	19.0	71.3	0.0	0.0	0.0	6.1
12	13.1	24.0	17.9	78.7	28.3	0.0	28.3	1.9
13	14.6	19.2	16.6	80.7	0.0	0.0	0.0	1.4
14	13.1	24.9	18.9	68.3	0.0	0.0	0.0	6.8
15	14.5	22.9	18.0	68.3	0.0	13.1	13.1	5.3
16	13.0	20.2	17.0	78.3	0.0	0.0	0.0	2.6
17	12.9	22.0	16.5	78.3	3.6	.2	3.8	3.4
18	13.2	24.1	17.6	76.3	1.2	0.0	1.2	4.6
19	14.9	20.0	15.8	88.0	6.0	0.0	6.0	1.7
20	13.1	21.2	16.4	82.3	2.0	0.0	2.0	1.3
21	13.0	22.0	16.0	81.3	6.7	0.0	6.7	1.0
22	11.9	20.3	15.3	85.7	0.0	7.8	7.8	3.4
23	12.8	20.8	15.6	85.7	7.5	12.8	20.3	4.0
24	13.8	18.0	15.4	89.0	0.0	24.1	24.1	.6
25	12.9	20.0	16.0	84.7	10.5	2.1	12.6	.9
26	14.0	22.1	17.2	80.3	.2	0.0	.2	5.8
27	13.0	22.8	17.6	73.3	2.1	29.3	31.4	6.8
28	14.1	22.9	17.6	80.3	.4	2.5	2.9	4.4
29	14.0	23.0	16.8	81.7	1.4	.1	1.5	3.5
30	14.1	19.0	16.2	87.0	1.0	0.0	1.0	.6
31	13.5	20.4	16.2	88.3	4.5	0.0	4.5	.4
Total :					93.5	104.0	197.5	92.8
Promedio :	13.6	21.5	17.0	79.9				

Estación : AGRONOMIA  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANIZALES

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

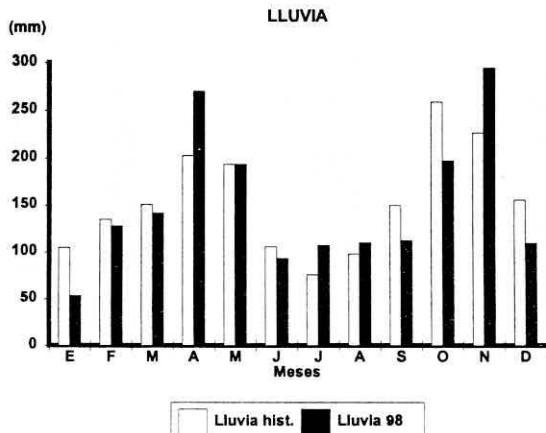
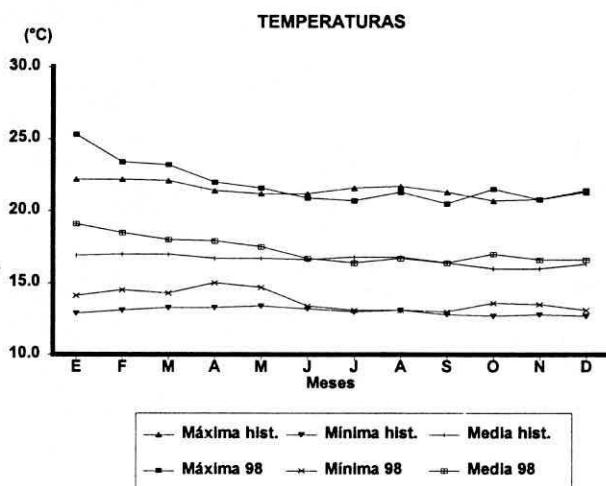
Noviembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	13.0	21.0	17.0	80.3	0.0	0.0	0.0	4.7
2	12.0	24.1	17.6	74.0	0.0	0.0	0.0	7.1
3	14.9	23.0	18.0	72.7	0.0	0.0	0.0	2.0
4	14.0	20.2	16.4	88.0	5.4	6.5	11.9	2.0
5	13.7	20.0	16.5	89.0	0.0	0.0	0.0	.2
6	14.0	19.8	16.0	80.0	1.6	0.0	1.6	1.1
7	13.6	18.1	15.2	87.0	1.9	0.0	1.9	1.5
8	12.9	19.0	16.0	86.7	1.5	0.0	1.5	2.1
9	13.0	21.4	17.2	82.7	16.0	1.5	17.5	3.4
10	14.0	22.8	17.5	83.3	0.0	2.4	2.4	5.2
11	12.9	23.0	17.7	74.0	0.0	0.0	0.0	5.5
12	14.1	20.1	16.0	81.3	17.7	0.0	17.7	1.3
13	13.6	19.9	16.4	84.7	20.0	21.7	41.7	2.3
14	14.1	20.2	16.6	84.7	2.2	0.0	2.2	1.9
15	12.9	21.2	16.0	84.0	2.6	0.0	2.6	2.9
16	12.7	22.6	18.5	79.0	0.0	0.0	0.0	5.8
17	13.9	22.5	17.4	83.0	.7	0.0	.7	2.5
18	14.0	21.4	17.8	81.3	.9	0.0	.9	2.6
19	13.0	20.8	16.0	82.7	0.0	0.0	0.0	1.5
20	13.4	21.2	16.6	87.7	1.5	1.1	2.6	2.1
21	14.2	19.1	16.1	89.3	3.9	9.8	13.7	.6
22	13.8	17.4	14.9	92.7	0.0	0.0	0.0	0.0
23	12.0	24.0	17.4	81.3	0.0	.7	.7	8.3
24	14.9	18.2	15.8	92.7	16.7	25.4	42.1	0.0
25	13.8	20.9	16.8	83.3	0.0	9.0	9.0	2.0
26	13.9	20.8	16.5	86.7	23.3	29.1	52.4	.5
27	13.9	20.0	16.2	87.7	0.0	38.4	38.4	1.5
28	13.8	17.0	14.4	92.7	23.5	4.8	28.3	.5
29	12.2	20.2	16.0	89.3	3.8	.8	4.6	2.4
30	13.1	23.1	17.0	77.0	.2	0.0	.2	5.7
31								
Total :					143.4	151.2	294.6	79.2
Promedio :	13.5	20.8	16.6	84.0				
Diciembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	13.4	21.9	17.5	74.7	0.0	19.9	19.9	4.4
2	14.0	17.2	15.4	91.0	15.2	4.3	19.5	.1
3	13.0	22.0	17.0	81.3	0.0	.2	.2	3.4
4	13.2	21.8	16.7	83.0	5.1	0.0	5.1	1.3
5	13.1	21.9	17.2	83.0	.2	0.0	.2	3.3
6	13.9	18.9	15.2	92.3	2.8	0.0	2.8	.2
7	14.0	20.9	16.6	80.7	1.6	0.0	1.6	3.6
8	12.0	22.8	17.4	75.3	0.0	0.0	0.0	7.0
9	14.0	22.1	17.3	79.3	0.0	3.8	3.8	1.4
10	13.7	19.1	16.5	86.3	0.0	1.6	1.6	.6
11	14.0	20.9	16.3	88.0	5.1	4.7	9.8	1.0
12	13.1	20.1	16.3	81.3	2.9	0.0	2.9	1.6
13	14.0	20.5	16.3	83.3	.1	0.0	.1	.8
14	13.0	21.7	17.2	77.7	0.0	0.0	0.0	3.9
15	14.1	21.0	16.6	81.7	0.0	0.0	0.0	1.5
16	13.5	18.2	16.2	89.3	0.0	0.0	0.0	0.0
17	12.2	20.8	15.5	83.3	4.4	0.0	4.4	1.9
18	12.8	22.4	17.4	81.3	0.0	0.0	0.0	3.9
19	13.9	22.5	17.1	81.7	0.0	0.0	0.0	4.1
20	14.0	21.0	17.0	80.0	0.0	0.0	0.0	1.9
21	13.9	22.1	16.0	78.7	1.5	0.0	1.5	2.6
22	13.0	24.0	16.8	80.0	0.0	0.0	0.0	6.4
23	11.2	23.4	17.0	69.3	0.0	2.1	2.1	7.9
24	13.0	22.2	17.0	76.7	.1	0.0	.1	3.9
25	12.0	21.2	15.8	83.7	3.5	0.0	3.5	2.8
26	12.0	22.9	16.6	84.0	9.0	1.9	10.9	5.7
27	11.9	23.2	16.8	81.0	4.4	12.3	16.7	7.1
28	14.0	21.9	16.3	80.7	.1	0.0	.1	3.1
29	11.9	19.2	15.9	79.0	.3	0.0	.3	1.1
30	12.1	21.2	16.6	79.3	1.5	1.1	2.6	4.1
31	13.0	23.4	18.5	71.3	0.0	0.0	0.0	3.9
Total :					57.8	51.9	109.7	94.5
Promedio :	13.1	21.4	16.6	81.2				

Estación : AGRONOMIA  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANIZALES

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

MES	TEMPERATURA °C					Hum. Rel. (%)	PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.		Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	14.1	25.3	19.1	28.0	12.5	71.4	53.3	11	166.2
Febrero	14.5	23.4	18.5	27.2	13.0	77.5	127.9	10	121.6
Marzo	14.3	23.2	18.0	26.8	12.0	78.8	141.4	24	124.7
Abril	15.0	22.0	17.9	25.4	13.5	85.4	270.1	24	71.0
Mayo	14.7	21.6	17.5	26.3	12.8	84.6	194.0	20	72.7
Junio	13.4	20.9	16.7	25.0	11.6	81.7	93.4	17	95.4
Julio	13.1	20.7	16.4	23.7	12.0	81.0	107.3	20	107.4
Agosto	13.1	21.3	16.7	24.5	11.0	79.3	110.1	18	127.5
Septiembre	13.0	20.5	16.4	24.9	11.4	79.3	112.7	26	96.8
Octubre	13.6	21.5	17.0	25.0	11.9	79.9	197.5	26	92.8
Noviembre	13.5	20.8	16.6	24.1	12.0	84.0	294.6	22	79.2
Diciembre	13.1	21.4	16.6	24.0	11.2	81.2	109.7	22	94.5
Promedio :	13.8	21.9	17.3			80.3			
Absoluta :				28.0	11.0				
Total :							1812.0	240	1249.8



Estación : PLANALTO  
Año : 1998

Dpto. : CALDAS  
Mpio. : CHINCHINA

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

Enero	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.6	30.9	23.0	73.3	0.0	0.0	0.0	
2	16.0	31.5	23.1	67.7	0.0	0.0	0.0	
3	17.2	31.4	25.0	60.7	0.0	0.0	0.0	
4	17.5	32.7	25.4	66.3	0.0	0.0	0.0	
5	17.4	31.7	23.4	72.0	0.0	0.0	0.0	
6	18.6	28.8	23.8	78.0	0.0	13.9	13.9	
7	17.8	25.2	21.3	82.7	14.5	0.0	14.5	
8	17.4	31.3	22.7	68.3	0.0	0.0	0.0	
9	16.5	29.0	22.8	70.3	0.0	0.0	0.0	
10	16.3	31.5	23.5	73.0	0.0	0.0	0.0	
11	17.0	32.5	23.9	66.7	0.0	.2	.2	
12	19.2	27.2	22.6	79.7	0.0	0.0	0.0	
13	16.8	30.3	22.2	76.7	0.0	0.0	0.0	
14	17.1	27.2	22.2	80.0	0.0	0.0	0.0	
15	17.9	31.3	23.6	73.0	0.0	0.0	0.0	
16	18.5	29.9	24.2	74.7	0.0	1.3	1.3	
17	18.5	29.8	22.9	72.7	0.0	0.0	0.0	
18	16.4	31.4	23.2	69.3	0.0	0.0	0.0	
19	17.7	30.6	24.1	69.0	0.0	0.0	0.0	
20	18.8	29.2	22.8	79.0	0.0	0.0	0.0	
21	17.0	32.0	24.0	68.0	0.0	0.0	0.0	
22	16.5	31.5	24.9	70.7	0.0	0.0	0.0	
23	19.0	31.5	25.2	69.0	0.0	0.0	0.0	
24	19.5	30.1	23.6	71.3	0.0	0.0	0.0	
25	17.9	32.2	24.6	58.3	0.0	0.0	0.0	
26	17.3	33.0	23.7	64.7	0.0	0.0	0.0	
27	16.5	31.8	23.8	69.7	0.0	.7	.7	
28	18.7	28.2	23.8	73.3	0.0	0.0	0.0	
29	16.6	32.2	25.7	58.7	0.0	0.0	0.0	
30	19.3	31.2	23.8	77.0	1.2	6.0	7.2	
31	18.0	33.0	25.0	71.3	0.0	0.0	0.0	
Total :					15.7	22.1	37.8	
Promedio :	17.6	30.6	23.7	71.1				

Febrero	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.6	33.5	26.5	60.7	0.0	0.0	0.0	
2	18.8	31.4	24.9	71.7	.1	0.0	.1	
3	19.0	29.6	23.6	77.0	0.0	0.0	0.0	
4	19.1	31.8	25.1	66.7	0.0	1.4	1.4	
5	19.8	27.4	23.0	78.7	0.0	5.4	5.4	
6	19.0	28.2	23.5	77.3	0.0	0.0	0.0	
7	19.5	28.6	24.0	75.7	0.0	91.6	91.6	
8	18.5	24.0	20.1	90.7	9.7	.8	10.5	
9	18.2	25.0	21.2	85.7	1.6	0.0	1.6	
10	18.5	24.4	21.4	86.7	0.0	0.0	0.0	
11	19.0	24.9	21.6	86.7	0.0	0.0	0.0	
12	17.9	28.0	23.0	76.3	0.0	0.0	0.0	
13	17.2	29.2	22.7	76.3	0.0	16.1	16.1	
14	18.2	27.8	21.7	82.0	4.1	1.2	5.3	
15	17.6	30.6	24.8	68.0	0.0	0.0	0.0	
16	18.5	30.2	24.2	66.3	0.0	0.0	0.0	
17	16.5	32.0	24.4	59.0	0.0	0.0	0.0	
18	16.8	29.7	24.1	69.7	0.0	0.0	0.0	
19	19.2	28.5	23.8	76.7	0.0	.2	.2	
20	18.6	30.5	24.5	68.3	0.0	0.0	0.0	
21	18.5	30.0	23.9	72.7	0.0	.9	.9	
22	19.0	29.4	23.8	71.7	0.0	0.0	0.0	
23	19.0	25.0	20.8	94.0	17.2	0.0	17.2	
24	18.2	29.0	22.9	74.0	0.0	0.0	0.0	
25	17.5	31.3	23.9	66.3	0.0	0.0	0.0	
26	17.5	29.0	23.1	76.7	0.0	0.0	0.0	
27	18.5	30.6	24.8	69.3	0.0	0.0	0.0	
28	19.4	29.6	23.5	70.3	0.0	0.0	0.0	
29								
30								
31								
Total :					32.7	117.6	150.3	
Promedio :	18.5	28.9	23.4	74.8				

Estación : PLANALTO  
Año : 1998

Dpto. : CALDAS  
Mpio. : CHINCHINA

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.5	30.0	21.2	79.7	16.9	7.2	24.1	
2	18.5	24.5	20.2	92.7	9.3	0.0	9.3	
3	16.0	30.6	23.4	63.0	0.0	0.0	0.0	
4	17.5	30.4	24.0	71.3	0.0	0.0	0.0	
5	19.5	27.4	23.4	79.0	0.0	0.0	0.0	
6	17.5	27.2	22.1	84.7	0.0	0.0	0.0	
7	18.6	26.3	22.6	87.7	.1	5.3	5.4	
8	18.6	28.8	22.8	79.3	0.0	0.0	0.0	
9	17.6	27.8	22.3	80.0	.3	0.0	.3	
10	17.8	29.6	23.8	70.7	0.0	2.2	2.2	
11	18.0	29.0	22.8	71.7	0.0	0.0	0.0	
12	16.3	30.6	23.4	64.7	0.0	0.0	0.0	
13	16.8	31.0	22.5	72.0	1.8	0.0	1.8	
14	17.0	28.8	22.7	74.7	0.0	0.0	0.0	
15	16.6	28.2	22.2	79.7	0.0	0.0	0.0	
16	18.0	28.4	23.1	76.7	.8	0.0	.8	
17	19.4	30.4	24.2	72.7	0.0	0.0	0.0	
18	17.6	31.4	24.3	67.3	0.0	0.0	0.0	
19	18.6	31.0	24.0	77.3	0.0	0.0	0.0	
20	18.7	27.9	22.6	79.7	0.0	0.0	0.0	
21	19.0	29.8	21.8	79.7	1.0	0.0	1.0	
22	17.2	29.6	23.1	72.7	0.0	7.5	7.5	
23	18.2	23.4	19.7	90.7	.7	0.0	.7	
24	16.0	26.2	21.4	80.0	0.0	0.0	0.0	
25	16.7	29.6	23.8	72.0	0.0	0.0	0.0	
26	18.2	29.4	22.0	75.7	16.5	4.1	20.6	
27	18.0	25.6	20.0	86.7	13.8	38.2	52.0	
28	17.8	27.0	19.9	84.7	2.7	4.2	6.9	
29	17.5	27.0	20.6	84.0	7.8	1.5	9.3	
30	18.0	22.0	19.4	91.7	.6	.4	1.0	
31	17.8	26.4	21.0	82.7	3.1	0.0	3.1	
Total :					75.4	70.6	146.0	
Promedio :	17.8	28.2	22.3	78.2				

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.5	28.3	21.8	81.0	.8	4.6	5.4	
2	18.0	27.0	21.4	86.7	1.6	23.7	25.3	
3	18.0	25.0	20.8	86.0	.3	1.0	1.3	
4	18.0	26.6	22.5	79.3	.4	0.0	.4	
5	16.0	28.4	22.2	78.0	0.0	0.0	0.0	
6	18.0	27.0	22.5	85.0	.7	4.0	4.7	
7	18.0	27.6	22.4	82.7	0.0	0.0	0.0	
8	18.8	27.4	21.8	84.0	0.0	0.0	0.0	
9	18.0	28.4	22.4	83.0	0.0	0.0	0.0	
10	18.0	25.0	22.1	79.3	.3	9.1	9.4	
11	17.6	21.4	18.8	95.7	5.2	.3	5.5	
12	16.0	26.8	21.2	81.7	0.0	0.0	0.0	
13	18.4	26.8	20.2	92.3	24.6	50.0	74.6	
14	18.0	26.8	21.4	84.0	0.0	0.0	0.0	
15	18.3	28.2	21.6	80.7	7.2	10.2	17.4	
16	18.2	28.4	22.2	84.0	0.0	2.4	2.4	
17	18.0	29.1	21.6	80.7	2.7	2.0	4.7	
18	19.0	26.5	21.8	91.3	.2	4.0	4.2	
19	19.0	25.0	20.3	95.7	.4	14.9	15.3	
20	18.0	24.8	21.1	87.0	.1	0.0	.1	
21	18.4	26.8	22.4	84.3	.2	3.3	3.5	
22	18.7	27.5	22.5	78.3	0.0	1.6	1.6	
23	18.0	25.0	21.0	92.7	3.4	10.1	13.5	
24	18.6	26.0	21.0	86.7	2.7	40.6	43.3	
25	18.0	27.4	20.8	85.7	.3	0.0	.3	
26	17.8	23.7	20.2	91.7	1.0	2.6	3.6	
27	17.7	29.6	21.0	80.7	.6	0.0	.6	
28	18.5	25.8	19.8	92.3	15.3	0.0	15.3	
29	16.0	29.3	22.7	74.7	0.0	0.0	0.0	
30	19.0	25.5	21.6	86.7	.2	1.4	1.6	
31								
Total :					68.2	185.8	254.0	
Promedio :	18.0	26.7	21.4	85.1				

Estación : PLANALTO  
Año : 1998

Dpto. : CALDAS  
Mpio. : CHINCHINA

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

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	23.3	19.4	94.0	4.6	1.4	6.0	
2	17.7	26.2	21.1	86.7	0.0	16.1	16.1	
3	16.8	21.0	18.4	94.3	25.4	13.2	38.6	
4	16.5	24.4	18.5	87.0	4.3	1.3	5.6	
5	16.5	24.5	20.0	88.3	1.2	.8	2.0	
6	16.7	24.2	20.0	86.7	0.0	4.3	4.3	
7	17.4	26.4	20.3	82.7	0.0	.1	.1	
8	17.3	26.8	21.4	83.0	0.0	.2	.2	
9	17.7	28.4	21.6	88.0	0.0	0.0	0.0	
10	17.7	26.6	21.2	82.7	.1	0.0	.1	
11	18.0	28.0	21.6	80.3	.7	1.6	2.3	
12	18.7	26.0	20.7	82.7	.1	0.0	.1	
13	15.0	28.4	22.5	72.7	0.0	0.0	0.0	
14	17.3	28.3	22.3	86.3	.2	2.1	2.3	
15	18.2	24.0	20.5	91.3	0.0	0.0	0.0	
16	15.8	30.2	23.1	72.7	0.0	0.0	0.0	
17	19.0	28.4	22.6	82.0	0.0	36.5	36.5	
18	18.8	26.4	22.0	86.7	0.0	.5	.5	
19	19.0	28.8	23.2	83.3	0.0	0.0	0.0	
20	18.6	30.4	24.4	72.3	0.0	8.4	8.4	
21	19.7	29.4	24.5	73.3	0.0	.2	.2	
22	19.0	29.0	23.1	78.7	6.7	.9	7.6	
23	20.2	24.8	22.0	88.3	0.0	0.0	0.0	
24	18.5	25.8	21.9	89.7	1.2	1.4	2.6	
25	19.2	25.4	21.1	93.3	2.4	34.5	36.9	
26	18.2	24.3	19.5	90.7	6.8	20.6	27.4	
27	17.7	23.0	19.6	89.7	3.5	20.9	24.4	
28	17.0	23.6	19.4	88.7	.2	15.0	15.2	
29	16.6	22.2	19.3	89.3	1.2	2.5	3.7	
30	16.0	27.2	20.8	83.0	0.0	.3	.3	
31	17.0	26.8	22.0	83.7	1.7	1.2	2.9	
Total :					60.3	184.0	244.3	
Promedio :	17.7	26.2	21.2	84.9				
Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	24.3	20.4	92.7	2.9	2.1	5.0	
2	15.7	25.0	21.0	85.7	.7	2.2	2.9	
3	17.5	24.3	20.7	84.3	.3	0.0	.3	
4	15.7	26.1	20.4	87.0	0.0	19.2	19.2	
5	17.0	25.8	20.6	88.0	.2	0.0	.2	
6	17.2	27.6	22.1	79.0	0.0	19.8	19.8	
7	18.0	27.2	21.1	83.7	0.0	0.0	0.0	
8	18.5	26.0	20.2	88.0	5.0	2.5	7.5	
9	18.0	26.4	21.5	84.3	.1	9.7	9.8	
10	17.0	27.0	21.2	86.3	0.0	0.0	0.0	
11	17.0	26.9	22.0	79.3	0.0	0.0	0.0	
12	18.0	26.3	21.7	81.7	0.0	0.0	0.0	
13	16.5	28.9	23.0	73.3	0.0	26.2	26.2	
14	17.0	26.4	21.2	81.7	0.0	18.2	18.2	
15	17.0	22.2	18.8	94.7	1.9	13.4	15.3	
16	17.0	24.8	20.5	84.3	.4	.2	.6	
17	16.0	25.8	20.6	78.7	0.0	0.0	0.0	
18	17.7	26.0	21.2	79.3	.2	0.0	.2	
19	16.4	26.2	20.8	82.3	.1	0.0	.1	
20	18.0	26.4	21.4	87.7	.1	12.5	12.6	
21	18.0	24.4	19.6	94.3	15.6	3.1	18.7	
22	16.8	25.0	20.2	87.3	1.9	.5	2.4	
23	17.7	26.0	20.5	81.7	1.5	.7	2.2	
24	18.0	27.2	21.5	81.0	0.0	0.0	0.0	
25	18.7	27.6	21.8	78.0	0.0	0.0	0.0	
26	17.6	28.4	23.2	71.3	0.0	0.0	0.0	
27	18.6	26.0	21.6	84.7	.6	.4	1.0	
28	18.0	26.0	21.2	84.7	1.3	2.9	4.2	
29	17.6	25.6	20.4	75.7	0.0	0.0	0.0	
30	15.4	28.3	21.5	67.7	0.0	0.0	0.0	
31								
Total :					32.8	133.6	166.4	
Promedio :	17.3	26.1	21.1	82.9				

Estación : PLANALTO  
Año : 1998

Dpto. : CALDAS  
Mpio. : CHINCHINA

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

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.4	28.6	22.6	66.3	0.0	0.0	0.0	
2	16.6	28.8	22.2	71.7	0.0	0.0	0.0	
3	18.0	27.4	22.0	77.0	0.0	20.7	20.7	
4	17.0	22.0	19.0	89.3	6.3	27.0	33.3	
5	16.8	22.6	19.1	91.3	.9	27.5	28.4	
6	16.9	25.8	19.3	85.0	7.9	14.9	22.8	
7	17.1	23.4	19.4	91.3	1.3	0.0	1.3	
8	16.6	25.2	20.8	81.7	.2	2.1	2.3	
9	17.4	25.2	20.1	82.7	.1	.2	.3	
10	18.2	26.2	20.9	84.7	.4	0.0	.4	
11	17.2	25.3	21.0	82.3	.3	.9	1.2	
12	17.4	28.8	22.0	81.0	0.0	13.6	13.6	
13	17.3	28.4	21.2	72.0	0.0	11.8	11.8	
14	16.5	24.6	20.8	86.3	0.0	0.0	0.0	
15	16.0	26.8	20.6	81.0	0.0	13.0	13.0	
16	17.5	25.0	20.6	85.7	0.0	38.7	38.7	
17	16.7	25.0	20.5	82.7	.1	.1	.2	
18	17.0	25.8	21.0	79.3	0.0	22.9	22.9	
19	17.2	26.6	20.9	80.0	2.7	2.7	5.4	
20	16.2	27.6	21.4	73.3	0.0	0.0	0.0	
21	16.5	26.6	21.2	71.7	0.0	0.0	0.0	
22	18.0	26.0	21.3	82.7	0.0	0.0	0.0	
23	17.5	26.4	21.6	77.0	0.0	0.0	0.0	
24	17.7	25.6	21.4	80.3	0.0	0.0	0.0	
25	17.0	25.4	20.6	78.7	.4	0.0	.4	
26	16.5	28.2	21.4	74.0	0.0	0.0	0.0	
27	16.4	26.0	21.3	79.3	0.0	24.8	24.8	
28	17.5	26.5	21.5	78.7	0.0	3.9	3.9	
29	17.4	25.8	21.1	80.7	0.0	3.0	3.0	
30	17.5	25.6	20.6	80.3	0.0	0.0	0.0	
31	17.0	25.8	20.5	81.7	1.2	0.0	1.2	
Total :					21.8	227.8	249.6	
Promedio :	17.1	26.0	20.9	80.3				
Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.2	27.6	21.6	74.0	0.0	0.0	0.0	
2	17.6	28.4	23.0	68.3	0.0	0.0	0.0	
3	18.4	28.0	22.0	75.3	0.0	.5	.5	
4	18.0	27.0	21.5	81.0	2.1	2.4	4.5	
5	18.3	25.4	21.2	84.7	6.7	8.4	15.1	
6	16.8	24.4	19.8	82.7	0.0	.6	.6	
7	16.9	24.6	19.5	83.0	.2	17.0	17.2	
8	16.7	24.0	19.4	86.0	.4	0.0	.4	
9	14.8	27.6	20.0	74.7	0.0	0.0	0.0	
10	15.0	27.0	21.3	74.0	0.0	3.5	3.5	
11	17.7	27.0	21.9	78.0	0.0	0.0	0.0	
12	18.0	24.6	21.3	79.3	0.0	0.0	0.0	
13	17.2	26.4	20.6	81.0	.1	10.4	10.5	
14	17.0	26.7	20.6	83.0	1.8	18.0	19.8	
15	16.5	22.1	18.9	88.7	0.0	0.0	0.0	
16	15.7	24.2	19.4	81.0	1.0	0.0	1.0	
17	15.3	24.4	20.0	82.0	0.0	0.0	0.0	
18	15.8	27.4	21.9	72.0	0.0	14.7	14.7	
19	17.0	26.4	19.2	78.0	0.0	8.0	8.0	
20	16.4	26.0	21.1	79.7	0.0	0.0	0.0	
21	17.0	26.2	19.8	84.0	0.0	0.0	0.0	
22	15.6	26.0	21.0	79.0	0.0	0.0	0.0	
23	16.0	28.0	21.6	71.7	.1	0.0	.1	
24	17.6	27.2	22.9	73.7	.3	28.6	28.9	
25	16.8	24.0	19.7	84.3	.4	10.3	10.7	
26	16.5	22.4	18.8	90.0	.9	1.6	2.5	
27	16.0	25.3	20.0	80.0	0.0	0.0	0.0	
28	16.5	28.0	21.4	70.0	0.0	1.7	1.7	
29	17.0	28.4	21.4	78.0	0.0	7.0	7.0	
30	16.5	26.3	20.1	83.7	3.7	.3	4.0	
31	16.9	24.0	19.0	88.7	4.6	0.0	4.6	
Total :					22.3	133.0	155.3	
Promedio :	16.7	26.0	20.6	79.7				

Estación : PLANALTO  
Año : 1998

Dpto. : CALDAS  
Mpio. : CHINCHINA

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.5	26.0	21.2	75.0	0.0	20.4	20.4	
2	16.5	26.2	19.5	81.3	6.9	12.7	19.6	
3	16.4	21.6	17.9	92.0	2.7	.3	3.0	
4	15.5	25.0	20.3	77.7	0.0	0.0	0.0	
5	16.0	25.8	20.1	79.0	.9	0.0	.9	
6	15.0	27.3	21.1	66.7	0.0	0.0	0.0	
7	16.7	27.8	21.1	79.7	0.0	.1	.1	
8	17.6	23.0	18.7	91.7	4.7	0.0	4.7	
9	16.8	26.2	21.0	77.7	0.0	0.0	0.0	
10	17.0	25.0	19.8	81.0	0.0	0.0	0.0	
11	16.0	26.0	19.7	80.0	.3	.5	.8	
12	16.2	22.1	17.8	93.3	18.4	5.3	23.7	
13	15.2	24.6	19.4	84.3	0.0	1.5	1.5	
14	16.4	25.5	20.6	84.0	0.0	19.9	19.9	
15	15.5	25.5	19.4	79.0	2.7	0.0	2.7	
16	16.5	26.8	21.0	75.3	0.0	0.0	0.0	
17	15.5	24.8	18.7	84.7	5.5	0.0	5.5	
18	14.9	27.4	20.8	73.3	0.0	0.0	0.0	
19	16.9	26.2	20.2	79.7	18.9	0.0	18.9	
20	17.2	26.4	20.7	88.3	1.6	.7	2.3	
21	17.0	26.4	22.1	77.3	1.8	3.7	5.5	
22	16.4	25.5	19.3	81.7	1.0	37.2	38.2	
23	16.4	22.8	19.1	86.7	2.5	0.0	2.5	
24	17.0	26.0	20.5	81.7	0.0	0.0	0.0	
25	17.0	27.4	20.9	76.7	0.0	33.4	33.4	
26	16.5	25.0	20.7	79.0	0.0	7.8	7.8	
27	16.5	25.0	20.4	79.7	0.0	0.0	0.0	
28	16.7	27.8	20.4	76.0	4.0	0.0	4.0	
29	15.0	28.2	22.1	69.3	0.0	0.0	0.0	
30	16.5	29.0	22.4	73.0	0.0	0.0	0.0	
31								
Total :					71.9	143.5	215.4	
Promedio :	16.3	25.7	20.2	80.2				
Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	27.7	21.9	76.3	.0	.3	.3	
2	18.3	26.6	21.1	79.0	2.5	.3	2.8	
3	16.0	25.6	21.0	76.0	.5	17.5	18.0	
4	16.0	27.5	21.2	76.3	0.0	0.0	0.0	
5	18.0	27.2	22.2	76.7	0.0	79.6	79.6	
6	16.7	25.4	20.2	78.3	.3	3.7	4.0	
7	17.3	24.2	19.8	83.0	1.3	0.0	1.3	
8	16.3	26.0	20.4	73.7	.9	0.0	.9	
9	17.0	25.6	20.8	79.7	3.1	0.0	3.1	
10	16.8	29.0	22.7	67.0	0.0	2.4	2.4	
11	18.0	28.8	21.9	67.7	2.3	0.0	2.3	
12	17.5	27.6	20.8	76.0	1.1	.2	1.3	
13	16.5	23.4	19.6	83.7	0.0	0.0	0.0	
14	15.2	29.3	21.0	75.7	0.0	0.0	0.0	
15	16.6	29.0	21.6	67.0	0.0	7.5	7.5	
16	16.5	25.0	20.8	73.7	0.0	0.0	0.0	
17	16.0	26.6	20.3	75.0	.1	0.0	.1	
18	16.0	27.6	20.9	71.3	.2	0.0	.2	
19	17.7	26.4	20.4	79.0	1.2	0.0	1.2	
20	17.4	27.2	20.1	75.7	.2	0.0	.2	
21	16.0	25.2	19.2	81.3	6.4	0.0	6.4	
22	14.2	24.2	18.6	81.3	14.3	0.0	14.3	
23	14.5	24.2	19.0	82.0	8.7	39.1	47.8	
24	16.0	24.5	18.7	82.0	43.2	24.4	67.6	
25	16.0	26.6	19.9	78.0	.3	20.5	20.8	
26	16.5	26.0	19.9	79.0	0.0	0.0	0.0	
27	16.6	27.4	20.2	78.3	0.0	0.0	0.0	
28	18.0	28.0	21.5	73.7	.2	17.5	17.7	
29	17.0	27.0	21.6	76.7	0.0	41.0	41.0	
30	17.0	24.7	20.6	82.0	.3	0.0	.3	
31	17.0	27.0	20.5	81.0	1.1	1.0	2.1	
Total :					88.2	255.0	343.2	
Promedio :	16.7	26.5	20.6	77.0				

Estación : PLANALTO  
Año : 1998

Dpto. : CALDAS  
Mpio. : CHINCHINA

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

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.5	25.2	20.8	74.3	0.0	3.6	3.6	
2	15.0	27.5	21.3	72.3	0.0	6.5	6.5	
3	17.5	27.4	21.0	74.0	.2	0.0	.2	
4	17.7	25.5	19.4	89.0	13.0	3.6	16.6	
5	17.0	25.6	20.5	78.7	.2	4.5	4.7	
6	17.4	26.5	19.7	80.0	0.0	2.7	2.7	
7	17.0	23.4	18.7	91.0	2.6	0.0	2.6	
8	16.0	24.4	20.1	78.3	0.0	0.0	0.0	
9	16.5	28.5	20.8	77.7	11.6	9.8	21.4	
10	17.2	26.7	20.8	80.0	0.0	0.0	0.0	
11	16.8	27.3	20.8	75.7	.1	0.0	.1	
12	17.5	25.6	20.0	78.0	2.6	33.1	35.7	
13	17.0	27.2	20.7	77.7	0.0	52.0	52.0	
14	17.4	25.2	19.5	78.7	6.4	0.0	6.4	
15	16.0	27.7	20.0	74.3	1.5	0.0	1.5	
16	15.5	27.6	21.4	71.3	0.0	2.5	2.5	
17	17.0	25.6	20.8	77.3	0.0	0.0	0.0	
18	18.0	27.0	21.4	72.7	0.0	0.0	0.0	
19	16.5	25.8	19.7	78.3	23.6	17.7	41.3	
20	16.6	26.0	20.9	85.0	0.0	8.7	8.7	
21	17.5	26.4	20.0	84.3	.2	24.3	24.5	
22	17.3	22.0	18.6	86.7	1.1	0.0	1.1	
23	15.2	27.4	20.6	76.3	0.0	4.7	4.7	
24	17.7	22.5	19.4	92.0	7.9	8.6	16.5	
25	17.2	26.2	20.8	83.0	.3	.8	1.1	
26	17.8	25.9	20.5	85.0	.2	8.1	8.3	
27	17.5	24.2	19.4	94.7	9.4	19.2	28.6	
28	17.0	22.6	18.6	87.0	16.1	0.0	16.1	
29	16.6	26.0	19.9	84.0	0.0	6.4	6.4	
30	17.0	27.0	21.0	80.3	0.0	15.0	15.0	
31								
Total :	—	—	—	—	97.0	231.8	328.8	—
Promedio :	16.9	25.9	20.2	80.6				

Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.5	25.0	20.3	83.0	.3	3.8	4.1	
2	17.0	21.4	18.2	96.0	8.8	0.0	8.8	
3	16.2	24.8	19.8	84.7	0.0	0.0	0.0	
4	15.7	26.4	20.1	80.3	.2	0.0	.2	
5	16.0	25.8	19.6	84.7	0.0	19.8	19.8	
6	15.7	21.0	18.0	94.3	1.5	0.0	1.5	
7	16.4	24.4	18.7	89.0	3.0	0.0	3.0	
8	14.8	25.8	19.2	80.0	1.5	0.0	1.5	
9	16.6	27.0	20.4	79.3	14.0	0.0	14.0	
10	17.5	24.0	19.6	87.0	2.1	11.1	13.2	
11	17.0	27.0	20.0	86.7	0.0	0.0	0.0	
12	16.7	26.0	19.9	84.3	.2	0.0	.2	
13	16.9	24.7	19.4	92.7	.3	0.0	.3	
14	16.5	26.6	20.9	80.0	.3	0.0	.3	
15	17.0	25.6	19.8	88.3	0.0	0.0	0.0	
16	17.2	23.0	19.8	90.3	0.0	0.0	0.0	
17	15.5	26.5	19.2	86.0	21.0	0.0	21.0	
18	15.2	26.6	20.5	77.0	0.0	.3	.3	
19	16.2	25.5	21.0	76.0	0.0	.3	.3	
20	16.0	24.6	19.7	82.0	0.0	0.0	0.0	
21	16.0	26.2	19.4	81.3	7.0	.1	7.1	
22	15.9	27.2	20.3	78.7	0.0	0.0	0.0	
23	14.0	27.1	20.4	74.7	0.0	36.7	36.7	
24	15.0	26.4	19.0	84.0	2.3	0.0	2.3	
25	15.7	25.6	18.7	82.3	19.6	.1	19.7	
26	14.4	27.2	18.6	80.7	13.8	2.8	16.6	
27	13.5	26.8	19.6	80.3	0.0	10.0	10.0	
28	16.2	25.6	19.8	84.3	.6	0.0	.6	
29	15.0	25.2	20.8	76.0	0.0	0.0	0.0	
30	16.0	27.6	20.9	79.0	0.0	.4	.4	
31	16.0	28.0	21.6	78.0	0.0	0.0	0.0	
Total :	—	—	—	—	96.5	85.4	181.9	—
Promedio :	15.9	25.6	19.8	83.3				

Estación : PLANALTO  
Año : 1998

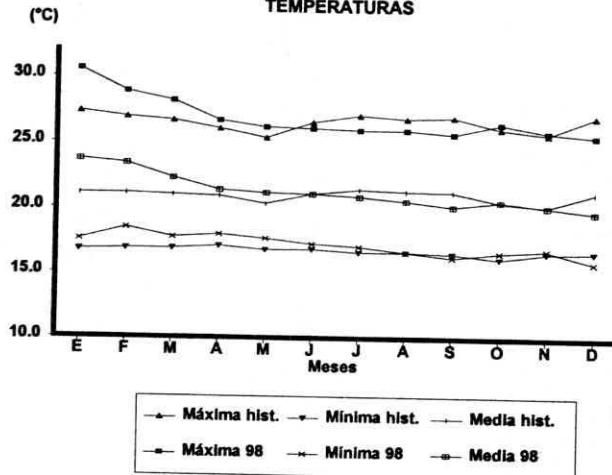
Dpto. : CALDAS  
Mpio. : CHINCHINA

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

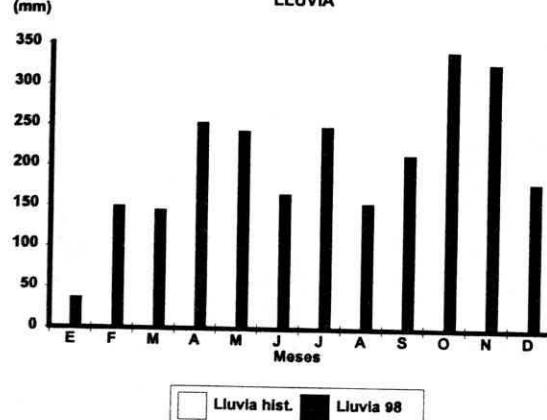
#### TEMPERATURA °C

MES	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	17.6	30.6	23.7	33.0	16.0	71.1	37.8	6	
Febrero	18.5	28.9	23.4	33.5	16.5	74.8	150.3	11	
Marzo	17.8	28.2	22.3	31.4	16.0	78.2	146.0	16	
Abril	18.0	26.7	21.4	29.6	16.0	85.1	254.0	23	
Mayo	17.7	26.2	21.2	30.4	15.0	84.9	244.3	25	
Junio	17.3	26.1	21.1	28.9	15.4	82.9	166.4	20	
Julio	17.1	26.0	20.9	28.8	16.0	80.3	249.6	21	
Agosto	16.7	26.0	20.6	28.4	14.8	79.7	155.3	20	
Septiembre	16.3	25.7	20.2	29.0	14.9	80.2	215.4	20	
Octubre	16.7	26.5	20.6	29.3	14.2	77.0	343.2	25	
Noviembre	16.9	25.9	20.2	28.5	15.0	80.6	328.8	26	
Diciembre	15.9	25.6	19.8	28.0	13.5	83.0	181.9	23	
Promedio :	17.2	26.9	21.3			79.8			
Absoluta :				33.5	13.5				
Total :							2473.0	236	

#### TEMPERATURAS



#### LLUVIA



Estación : CENICAFE  
Año : 1998

Dpto. : CALDAS  
Mpio. : CHINCHINA

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.6	31.7	22.4	72.0	0.0	0.0	0.0	6.3
2	16.6	32.8	23.5	66.3	0.0	0.0	0.0	7.8
3	17.5	32.7	25.2	59.3	0.0	0.0	0.0	8.3
4	17.5	33.8	25.4	64.0	0.0	0.0	0.0	8.7
5	18.0	32.7	23.8	68.3	0.0	.1	.1	6.0
6	18.6	29.2	23.3	77.0	0.0	12.8	12.8	3.4
7	18.1	25.5	21.2	85.0	15.4	0.0	15.4	.7
8	17.5	32.2	23.0	65.3	0.0	0.0	0.0	9.8
9	17.5	30.6	23.3	66.0	0.0	0.0	0.0	8.7
10	17.0	31.8	23.2	67.3	0.0	0.0	0.0	9.1
11	17.6	33.0	24.4	64.7	0.0	.1	.1	9.7
12	18.7	28.0	23.2	72.7	0.0	0.0	0.0	.9
13	17.8	31.0	22.5	71.7	0.0	0.0	0.0	6.6
14	17.5	28.0	22.5	77.0	0.0	0.0	0.0	1.0
15	18.1	31.5	23.6	71.0	0.0	0.0	0.0	8.2
16	19.4	30.8	24.6	69.7	0.0	3.5	3.5	5.3
17	18.4	30.4	23.5	69.7	0.0	0.0	0.0	6.3
18	17.2	32.0	23.3	68.3	0.0	0.0	0.0	7.9
19	18.4	30.7	23.6	69.0	0.0	0.0	0.0	5.8
20	19.4	29.5	22.8	76.0	0.0	0.0	0.0	2.2
21	17.3	32.8	24.6	66.7	0.0	0.0	0.0	8.4
22	17.4	32.4	24.5	69.0	0.0	0.0	0.0	9.5
23	19.0	32.6	26.0	64.7	0.0	0.0	0.0	7.9
24	19.9	31.3	24.2	70.3	0.0	0.0	0.0	7.8
25	18.5	33.0	24.0	57.3	0.0	0.0	0.0	8.2
26	17.8	33.0	24.3	60.0	0.0	0.0	0.0	8.3
27	17.6	32.8	23.8	63.0	0.0	0.0	0.0	7.4
28	19.0	29.0	23.0	72.7	0.0	0.0	0.0	1.7
29	17.4	33.8	25.6	59.0	0.0	0.0	0.0	7.2
30	19.8	32.5	24.1	73.3	0.0	12.7	12.7	4.3
31	18.0	32.8	23.2	69.7	0.0	0.0	0.0	8.3
Total :					15.4	29.2	44.6	201.7
Promedio :	18.1	31.4	23.7	68.6				
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.5	34.2	26.2	59.3	0.0	0.0	0.0	9.3
2	19.0	32.1	24.4	69.3	0.0	0.0	0.0	6.2
3	21.0	29.7	23.8	75.7	0.0	0.0	0.0	1.6
4	19.5	32.6	25.0	66.7	0.0	5.5	5.5	7.3
5	20.0	28.0	23.1	77.7	0.0	11.6	11.6	.3
6	19.0	28.7	23.7	77.3	0.0	0.0	0.0	1.7
7	19.6	29.4	23.8	74.7	0.0	66.8	66.8	2.0
8	18.4	23.2	20.2	90.7	7.2	0.0	7.2	0.0
9	18.3	26.4	21.6	83.3	2.1	0.0	2.1	1.5
10	18.5	25.4	21.5	84.0	0.0	0.0	0.0	.2
11	19.4	25.4	21.6	85.0	0.0	0.0	0.0	0.0
12	18.6	29.6	23.2	73.7	0.0	0.0	0.0	3.1
13	18.0	30.0	23.3	68.7	.1	17.5	17.6	4.2
14	18.3	28.6	21.8	82.7	3.4	.8	4.2	4.2
15	18.2	31.4	24.8	68.3	0.0	0.0	0.0	9.7
16	18.6	31.4	24.6	67.7	0.0	0.0	0.0	7.9
17	17.2	32.8	24.5	62.0	0.0	0.0	0.0	7.9
18	17.8	30.8	24.4	68.0	0.0	0.0	0.0	7.7
19	19.5	29.0	23.8	74.0	0.0	3.4	3.4	2.5
20	18.4	30.8	24.0	73.0	0.0	0.0	0.0	7.2
21	18.8	30.2	23.9	71.7	0.0	.3	.3	5.0
22	19.4	31.2	23.7	73.3	0.0	.2	.2	6.8
23	19.2	26.8	21.7	85.0	5.9	0.0	5.9	.9
24	18.8	30.0	23.2	71.7	0.0	0.0	0.0	5.2
25	18.2	32.0	24.2	66.3	0.0	0.0	0.0	7.5
26	18.4	30.4	22.9	76.7	0.0	0.0	0.0	7.5
27	19.2	32.0	24.4	68.0	0.0	0.0	0.0	7.8
28	19.8	31.0	23.4	69.3	0.0	0.0	0.0	5.4
29								
30								
31								
Total :					18.7	106.1	124.8	130.6
Promedio :	18.9	29.8	23.5	73.7				

Estación : CENICAFE  
Año : 1998

Dpto. : CALDAS  
Mpio. : CHINCHINA

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

Marzo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	31.5	22.0	75.3	15.3	10.2	25.5	7.8
2	18.6	25.4	21.0	87.0	6.5	0.0	6.5	.9
3	16.5	31.2	22.9	66.3	0.0	0.0	0.0	6.2
4	18.4	31.4	24.2	66.0	0.0	0.0	0.0	5.3
5	19.8	28.5	23.5	75.0	0.0	0.0	0.0	2.3
6	18.5	29.0	22.4	80.3	0.0	0.0	0.0	1.4
7	18.8	28.9	23.1	81.7	.2	5.2	5.4	1.6
8	18.7	30.4	23.1	78.3	0.0	0.0	0.0	5.0
9	17.8	28.5	21.9	79.0	.6	0.0	.6	3.6
10	17.4	30.7	24.6	69.7	0.0	1.9	1.9	7.6
11	18.7	30.2	23.1	71.3	0.0	0.0	0.0	5.0
12	17.3	31.8	23.5	62.7	0.0	0.0	0.0	9.7
13	17.5	31.4	22.0	70.3	.3	0.0	.3	8.1
14	17.8	29.5	22.8	77.3	0.0	0.0	0.0	3.5
15	17.5	29.0	22.4	74.3	0.0	0.0	0.0	5.1
16	18.9	30.9	22.9	76.0	2.3	0.0	2.3	5.3
17	19.2	31.4	24.0	74.3	0.0	0.0	0.0	4.5
18	18.4	32.8	24.9	67.0	0.0	0.0	0.0	8.1
19	19.4	31.5	24.7	71.3	0.0	0.0	0.0	3.4
20	19.2	29.4	23.3	76.7	0.0	0.0	0.0	.5
21	19.5	30.4	22.4	75.3	.6	0.0	.6	4.7
22	18.5	31.2	24.1	71.0	0.0	6.6	6.6	5.4
23	18.4	24.4	20.2	89.0	.8	0.0	.8	.2
24	17.2	27.3	22.2	74.7	0.0	0.0	0.0	2.7
25	17.7	31.6	24.2	68.0	0.0	0.0	0.0	6.8
26	19.1	31.6	22.1	77.0	22.1	3.9	26.0	5.0
27	18.8	27.1	21.3	84.0	18.9	15.7	34.6	2.3
28	18.6	29.5	21.1	82.0	2.2	17.7	19.9	2.7
29	18.5	28.0	21.5	83.0	10.5	2.5	13.0	2.2
30	19.4	23.4	20.0	96.7	2.1	.5	2.6	0.0
31	18.6	27.4	21.5	83.7	3.4	0.0	3.4	3.2
Total					85.8	64.2	150.0	130.1
Promedio :	18.4	29.5	22.7	76.3				

Abril	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	28.8	22.8	77.7	.6	3.1	3.7	4.1
2	18.4	27.5	21.9	86.3	7.7	21.1	28.8	1.7
3	18.6	26.2	22.0	82.7	.8	1.0	1.8	.8
4	18.8	27.4	22.8	82.7	.6	0.0	.6	1.6
5	17.3	29.4	22.7	76.3	0.0	0.0	0.0	6.8
6	19.2	27.5	22.9	82.0	.9	5.1	6.0	1.9
7	18.4	29.7	23.3	80.7	0.0	0.0	0.0	6.6
8	19.6	28.8	22.7	78.0	.1	0.0	.1	3.9
9	19.2	29.2	23.2	79.0	0.0	0.0	0.0	1.3
10	19.2	28.6	22.8	84.3	.2	10.7	10.9	3.2
11	18.8	22.8	19.6	94.3	8.3	0.0	8.3	0.0
12	17.2	28.0	22.1	76.3	0.0	0.0	0.0	2.3
13	18.8	27.0	21.8	83.7	7.8	42.7	50.5	.9
14	18.2	28.0	22.0	82.7	0.0	0.0	0.0	.9
15	18.9	31.0	23.3	79.3	7.5	11.4	18.9	5.9
16	18.8	29.4	23.4	78.0	0.0	2.9	2.9	4.5
17	19.0	30.6	22.8	78.7	6.3	6.2	12.5	4.5
18	19.5	28.8	22.3	87.0	0.0	2.9	2.9	2.8
19	19.4	26.0	22.2	85.7	.8	16.5	17.3	.5
20	18.5	26.5	22.0	84.0	.3	0.0	.3	1.1
21	18.6	27.5	23.0	80.0	.1	2.9	3.0	1.8
22	19.8	29.1	23.8	72.7	0.0	2.1	2.1	3.5
23	18.9	27.1	21.4	91.7	3.9	16.8	20.7	0.0
24	19.6	28.2	22.0	81.3	3.7	52.9	56.6	1.1
25	18.4	29.8	21.9	81.0	.3	0.0	.3	3.9
26	18.6	24.0	21.2	90.3	.7	1.5	2.2	1.5
27	18.6	30.4	21.8	81.0	.4	1.4	1.8	4.7
28	19.2	27.0	20.0	95.7	18.8	0.0	18.8	1.4
29	17.0	30.5	23.3	72.0	0.0	0.0	0.0	6.5
30	20.2	26.7	22.2	84.3	.1	1.6	1.7	.9
31								
Total					69.9	202.8	272.7	80.6
Promedio :	18.8	28.0	22.3	82.3				

Estación : CENICAFFE  
Año : 1998

Dpto. : CALDAS  
Mpio. : CHINCHINA

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

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.2	25.2	20.4	93.7	4.9	1.3	6.2	0.0
2	18.5	28.0	22.0	83.3	0.0	16.2	16.2	0.0
3	17.5	23.0	19.1	95.7	30.3	12.1	42.4	0.0
4	17.4	25.0	18.8	86.7	10.3	.7	11.0	.5
5	17.4	26.2	21.0	85.3	2.8	.7	3.5	1.5
6	18.0	26.2	20.9	83.0	0.0	4.8	4.8	.6
7	18.5	28.0	21.3	79.3	.1	.1	.2	4.1
8	18.2	28.2	22.2	80.7	0.0	.7	.7	3.0
9	17.5	28.5	22.3	85.3	0.0	0.0	0.0	1.4
10	18.5	27.3	22.0	79.0	.2	.1	.3	4.0
11	18.0	29.2	22.0	80.3	.9	4.2	5.1	5.7
12	19.0	29.0	21.4	81.7	.3	0.0	.3	1.2
13	15.8	29.4	22.7	71.7	0.0	0.0	0.0	6.2
14	18.6	29.8	23.2	77.0	.4	2.3	2.7	5.2
15	19.0	25.8	21.4	88.7	0.0	0.0	0.0	0.0
16	17.8	31.4	23.7	67.3	0.0	0.0	0.0	9.0
17	19.5	29.0	23.0	83.3	0.0	30.8	30.8	1.0
18	19.4	27.5	22.6	83.3	.1	.4	.5	1.0
19	19.0	30.0	23.8	76.7	0.0	0.0	0.0	3.8
20	19.3	31.4	24.5	71.3	0.0	6.7	6.7	8.3
21	20.0	30.8	25.1	74.0	0.0	.9	.9	7.0
22	19.1	30.4	24.2	77.7	2.1	3.4	5.5	7.8
23	20.4	25.5	22.3	89.0	0.0	0.0	0.0	0.0
24	18.8	26.2	21.4	92.7	7.4	.6	8.0	1.9
25	19.3	25.4	21.1	94.3	5.5	38.4	43.9	.5
26	18.7	25.8	20.6	89.3	6.7	19.4	26.1	1.6
27	18.3	24.4	20.5	92.7	8.6	24.0	32.6	.4
28	18.0	24.6	20.5	87.7	1.8	15.8	17.6	.1
29	17.6	24.0	20.3	86.0	3.1	2.5	5.6	.2
30	17.0	28.5	21.5	80.0	0.0	.3	.3	2.8
31	18.2	28.0	21.9	77.0	4.9	1.5	6.4	3.2

Total : 90.4      Promedio : 18.4      27.5      21.9      83.0      90.4      187.9      278.3      82.0

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.2	24.6	20.1	92.7	2.9	2.0	4.9	.9
2	16.4	26.2	20.5	85.0	.7	2.4	3.1	4.6
3	17.5	25.2	20.7	83.0	.5	0.0	.5	1.1
4	16.2	27.2	20.8	78.0	0.0	22.3	22.3	4.5
5	17.1	27.3	20.8	85.7	.2	0.0	.2	4.0
6	17.6	29.0	22.4	74.7	0.0	23.5	23.5	5.2
7	18.2	26.7	21.4	78.3	0.0	0.0	0.0	2.2
8	18.2	26.5	20.2	87.7	4.3	2.1	6.4	1.8
9	17.8	27.4	21.6	80.3	.6	11.5	12.1	4.2
10	17.5	28.3	21.7	79.7	.1	0.0	.1	6.0
11	17.4	28.6	22.7	76.0	0.0	0.0	0.0	6.1
12	19.2	28.8	22.4	79.0	0.0	0.0	0.0	1.4
13	17.6	31.0	24.2	70.7	0.0	28.8	28.8	8.2
14	16.8	29.0	22.6	77.7	0.0	17.4	17.4	4.3
15	17.4	23.0	19.6	93.7	2.5	13.4	15.9	.1
16	18.0	26.6	21.4	80.0	.3	.2	.5	3.6
17	17.6	27.6	21.6	75.7	0.0	0.0	0.0	4.8
18	18.4	28.1	21.6	77.3	0.0	0.0	0.0	1.9
19	17.4	27.4	21.8	79.3	.1	.1	.2	4.5
20	19.3	27.5	22.4	77.3	.1	13.4	13.5	1.9
21	18.9	26.0	19.7	92.7	13.8	3.4	17.2	2.8
22	17.3	26.2	20.3	83.3	1.2	1.2	2.4	2.9
23	17.8	27.1	20.2	82.7	1.9	.5	2.4	2.5
24	18.4	27.6	21.2	82.0	0.0	0.0	0.0	4.1
25	18.8	28.5	22.0	78.3	0.0	0.0	0.0	4.5
26	17.8	29.6	22.5	75.0	0.0	0.0	0.0	6.7
27	18.0	26.8	21.3	86.3	.3	.6	.9	.5
28	17.2	25.4	20.9	86.0	1.7	2.6	4.3	2.6
29	17.0	26.7	20.7	79.0	0.0	0.0	0.0	1.7
30	15.8	29.4	22.0	67.3	0.0	0.0	0.0	8.4

Total : 31.2      Promedio : 17.7      27.3      21.4      80.8      31.2      145.4      176.6      108.0

Estación : CENICAFE  
Año : 1998

Dpto. : CALDAS  
Mpio. : CHINCHINA

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

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	30.3	22.0	68.7	0.0	0.0	0.0	8.8
2	17.1	29.1	22.0	75.3	0.0	0.0	0.0	5.8
3	18.4	27.4	21.6	81.7	0.0	20.3	20.3	3.3
4	17.0	23.0	19.4	91.0	8.3	25.2	33.5	.8
5	17.0	23.4	19.4	88.3	1.1	26.4	27.5	1.3
6	17.0	26.5	19.4	86.3	12.0	21.1	33.1	5.6
7	16.8	23.5	19.1	93.7	1.9	0.0	1.9	2.1
8	17.0	25.0	20.4	84.0	.2	4.1	4.3	3.3
9	18.0	25.4	20.2	84.0	0.0	.2	.2	3.7
10	18.0	27.0	20.6	86.3	0.0	0.0	0.0	1.8
11	17.6	25.4	21.0	84.0	.8	1.2	2.0	2.1
12	17.0	28.8	22.1	78.0	0.0	14.7	14.7	7.3
13	17.3	28.8	21.6	74.0	0.0	10.3	10.3	6.6
14	16.5	24.6	20.5	86.3	0.0	0.0	0.0	1.4
15	15.8	27.3	20.8	79.0	0.0	11.5	11.5	4.3
16	17.3	25.2	21.0	83.0	.2	33.1	33.3	3.8
17	16.8	26.4	20.6	81.0	0.0	1.7	1.7	3.6
18	16.8	25.4	20.6	79.0	0.0	26.0	26.0	4.0
19	16.7	27.3	21.0	79.7	0.0	2.9	2.9	6.9
20	16.0	27.8	21.4	77.0	0.0	0.0	0.0	6.3
21	16.4	27.6	21.2	72.3	0.0	0.0	0.0	6.7
22	18.2	28.2	21.0	83.0	0.0	0.0	0.0	2.1
23	17.0	27.8	21.4	79.3	0.0	0.0	0.0	4.1
24	18.0	27.0	21.2	81.7	0.0	0.0	0.0	4.8
25	17.6	27.0	20.3	83.0	2.7	0.0	2.7	0.0
26	16.8	29.8	21.7	76.0	.3	0.0	.3	5.2
27	17.2	26.6	21.6	74.3	0.0	32.4	32.4	3.8
28	17.5	28.2	21.8	80.0	0.0	3.1	3.1	5.4
29	17.8	27.2	21.3	81.0	0.0	3.3	3.3	3.0
30	17.4	26.5	20.4	83.0	0.0	0.0	0.0	2.1
31	16.8	27.6	20.2	81.0	.6	0.0	.6	1.5
Total :					28.1	237.5	265.6	121.5
Promedio :	17.2	26.7	20.9	81.1				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	29.4	21.8	71.3	0.0	0.0	0.0	6.7
2	17.8	30.0	23.0	70.7	0.0	0.0	0.0	7.8
3	18.2	29.3	22.2	76.7	0.0	.4	.4	5.1
4	18.0	28.6	21.8	79.3	1.5	4.4	5.9	3.3
5	18.6	27.3	22.6	81.7	7.9	10.8	18.7	3.9
6	17.3	26.0	20.5	83.3	0.0	.8	.8	1.7
7	16.9	26.0	19.8	85.0	.4	17.9	18.3	1.1
8	17.2	26.4	20.1	82.0	.5	0.0	.5	3.6
9	15.0	29.4	20.8	74.7	0.0	0.0	0.0	6.9
10	15.0	26.8	22.0	72.7	0.0	6.0	6.0	5.1
11	18.4	29.3	22.4	74.7	0.0	0.0	0.0	8.0
12	18.4	27.3	22.0	73.0	0.0	0.0	0.0	.4
13	18.0	28.4	22.6	78.7	0.0	8.7	8.7	3.0
14	18.0	28.6	21.0	78.3	1.5	19.5	21.0	4.9
15	17.1	24.2	20.3	83.0	0.0	.1	.1	.6
16	16.8	26.8	20.5	78.3	5.0	0.0	5.0	3.4
17	16.0	25.8	20.8	79.0	0.0	0.0	0.0	1.6
18	16.4	28.8	22.4	68.7	0.0	12.1	12.1	7.6
19	17.0	27.4	20.6	77.7	0.0	0.0	0.0	2.7
20	17.4	28.0	21.4	77.7	0.0	5.6	5.6	4.9
21	17.2	27.8	20.8	81.7	.4	.1	.5	3.7
22	16.8	27.7	22.3	75.3	0.0	0.0	0.0	4.0
23	17.0	30.0	22.9	72.7	0.0	0.0	0.0	7.8
24	17.4	28.2	22.6	78.0	0.0	31.2	31.2	4.9
25	17.8	25.4	20.0	86.0	.6	9.8	10.4	2.5
26	16.9	24.4	19.2	89.7	3.3	1.7	5.0	1.2
27	16.8	27.2	20.6	80.0	0.0	0.0	0.0	5.8
28	16.5	29.6	22.1	71.3	0.0	1.7	1.7	8.5
29	17.0	29.2	21.9	78.0	0.0	7.9	7.9	7.0
30	16.8	27.0	21.4	81.3	3.1	.3	3.4	3.2
31	17.5	25.2	19.6	90.0	3.1	0.0	3.1	2.3
Total :					27.3	139.0	166.3	133.2
Promedio :	17.2	27.7	21.4	78.4				

Estación : CENICAFFE  
Año : 1998

Dpto. : CALDAS  
Mpio. : CHINCHINA

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.6	27.0	21.4	79.0	0.0	13.6	13.6	3.9
2	16.8	26.4	19.8	83.3	7.8	12.8	20.6	3.1
3	16.5	21.6	18.0	95.3	3.0	.3	3.3	.3
4	16.4	28.4	21.2	80.0	0.0	0.0	0.0	3.8
5	17.0	26.8	20.6	80.0	1.0	0.0	1.0	4.1
6	16.2	28.8	22.2	67.7	0.0	0.0	0.0	8.3
7	17.4	26.7	21.4	83.3	0.0	0.0	0.0	1.7
8	17.8	23.6	18.9	95.7	5.0	0.0	5.0	.4
9	16.9	27.8	21.6	81.0	0.0	0.0	0.0	4.6
10	17.0	26.2	20.3	81.7	0.0	0.0	0.0	1.9
11	16.4	28.4	20.6	80.7	.2	.2	.4	3.1
12	16.6	23.9	18.6	96.7	17.9	5.5	23.4	.7
13	15.7	26.3	20.5	81.3	0.0	1.6	1.6	4.2
14	16.8	25.9	21.0	82.0	.1	12.9	13.0	1.4
15	16.0	27.2	19.8	81.7	2.5	0.0	2.5	2.0
16	16.7	28.0	20.9	79.7	0.0	0.0	0.0	5.3
17	16.4	25.5	18.8	88.0	6.3	0.0	6.3	2.1
18	15.2	29.0	21.3	73.0	0.0	0.0	0.0	6.3
19	17.3	27.5	20.2	80.7	16.5	0.0	16.5	4.2
20	17.8	27.8	20.6	87.7	1.5	2.1	3.6	3.8
21	17.4	27.0	21.0	80.3	0.0	11.3	11.3	3.7
22	16.8	26.4	19.2	84.0	0.0	51.7	51.7	1.8
23	16.8	24.4	19.7	86.3	3.5	0.0	3.5	.5
24	17.2	27.4	20.8	81.0	0.0	0.0	0.0	5.5
25	17.4	28.8	21.5	77.7	0.0	32.6	32.6	6.2
26	17.2	27.2	20.6	81.3	0.0	9.3	9.3	3.1
27	17.2	25.4	20.6	84.7	0.0	0.0	0.0	2.1
28	17.0	28.8	20.4	78.7	4.7	0.0	4.7	6.2
29	15.6	30.0	21.9	69.7	0.0	0.0	0.0	7.1
30	17.0	30.6	22.3	72.0	0.0	0.0	0.0	9.0
31	—	—	—	—	—	—	—	—
Total :	16.7	27.0	20.5	81.8	70.0	153.9	223.9	110.4
Promedio :	16.7	27.0	20.5	81.8	70.0	153.9	223.9	110.4
Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	28.4	22.2	74.7	0.0	.3	.3	4.8
2	18.7	27.4	21.5	81.0	1.5	.1	1.6	2.4
3	16.8	27.0	21.5	78.7	.3	12.7	13.0	2.5
4	16.4	27.5	21.0	78.7	0.0	0.0	0.0	4.4
5	18.0	28.3	22.6	78.0	0.0	84.8	84.8	3.0
6	16.8	26.0	20.4	82.0	.5	4.5	5.0	2.1
7	17.0	24.4	20.2	86.0	.9	0.0	.9	1.1
8	16.4	28.0	20.8	77.7	1.0	0.0	1.0	3.2
9	17.0	26.0	21.4	81.7	2.6	0.0	2.6	.9
10	17.4	30.4	22.6	71.0	0.0	4.1	4.1	6.4
11	17.5	30.1	21.8	74.3	1.0	0.0	1.0	5.6
12	17.2	27.9	19.7	76.0	.7	.1	.8	3.7
13	17.2	24.7	19.8	81.7	0.0	0.0	0.0	.9
14	16.0	30.3	20.6	76.3	.9	0.0	.9	8.3
15	16.4	29.3	21.8	70.7	0.0	7.5	7.5	7.0
16	16.2	26.6	21.0	80.7	0.0	0.0	0.0	2.8
17	15.0	27.4	20.7	75.3	.3	.1	.4	5.1
18	16.0	28.8	21.0	72.3	.1	0.0	.1	7.3
19	18.0	27.4	21.0	81.0	1.0	0.0	1.0	2.4
20	17.8	27.6	20.8	75.0	.3	0.0	.3	2.8
21	17.2	26.3	19.6	82.0	6.5	0.0	6.5	.4
22	15.4	24.0	18.7	83.3	16.5	0.0	16.5	1.3
23	14.8	24.4	18.7	83.7	4.6	51.1	55.7	2.0
24	16.2	25.6	19.5	82.0	24.0	21.0	45.0	2.6
25	16.6	27.3	20.2	78.7	.4	31.5	31.9	3.4
26	17.0	27.5	20.2	79.7	.1	0.0	.1	6.7
27	16.0	26.8	20.3	81.7	0.0	0.0	0.0	6.3
28	18.4	28.5	21.3	80.0	0.0	20.8	20.8	5.7
29	16.8	27.6	21.7	83.0	0.0	43.5	43.5	5.9
30	17.0	25.0	20.9	84.7	.4	0.0	.4	.2
31	17.0	28.2	20.3	85.7	1.1	.8	1.9	1.3
Total :	16.8	27.2	20.8	79.3	64.7	282.9	347.6	112.5
Promedio :	16.8	27.2	20.8	79.3	64.7	282.9	347.6	112.5

Estación : CENICAFE  
Año : 1998

Dpto. : CALDAS  
Mpio. : CHINCHINA

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

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.4	26.4	20.8	75.3	0.0	.3	.3	4.1
2	15.0	28.2	20.8	78.3	28.1	.6	28.7	6.1
3	17.0	28.4	20.7	81.0	.3	0.0	.3	4.7
4	17.0	25.0	18.9	94.7	7.7	3.5	11.2	2.4
5	16.5	26.4	20.3	82.7	1.4	9.4	10.8	2.5
6	17.2	27.0	19.8	81.7	0.0	.9	.9	3.4
7	16.2	22.8	18.3	94.7	3.9	0.0	3.9	0.0
8	15.4	24.4	19.4	84.0	0.0	0.0	0.0	3.6
9	16.0	29.4	20.2	78.0	16.5	12.5	29.0	6.4
10	17.5	27.2	21.1	81.7	0.0	0.0	0.0	5.4
11	17.2	28.4	21.2	72.0	0.0	0.0	0.0	5.1
12	17.6	26.0	20.1	79.7	2.8	36.3	39.1	1.2
13	17.3	26.3	21.0	81.7	0.0	50.4	50.4	4.1
14	17.5	26.3	20.1	81.3	5.4	0.0	5.4	3.4
15	16.8	28.7	20.3	74.0	5.3	0.0	5.3	5.1
16	16.0	28.4	21.4	74.7	0.0	19.9	19.9	6.3
17	17.0	27.4	20.8	81.7	0.0	0.0	0.0	3.6
18	18.0	28.2	22.0	76.3	0.0	0.0	0.0	3.9
19	17.0	27.1	19.6	79.0	23.7	21.7	45.4	2.1
20	16.5	27.0	20.7	81.7	0.0	8.5	8.5	5.0
21	17.0	27.0	20.0	84.0	0.0	32.4	32.4	2.1
22	17.2	23.2	19.0	86.0	1.6	0.0	1.6	0.0
23	15.9	28.8	20.8	71.7	0.0	4.9	4.9	9.5
24	18.0	22.7	19.7	90.0	10.1	7.6	17.7	.7
25	17.6	27.6	20.9	81.7	0.0	.1	.1	3.4
26	18.4	26.9	21.1	80.0	.8	7.6	8.4	3.7
27	18.0	25.2	19.8	88.0	9.8	23.7	33.5	1.5
28	17.5	24.3	19.3	85.3	8.6	0.0	8.6	1.3
29	17.1	27.0	20.1	80.0	0.0	7.7	7.7	4.7
30	17.2	28.4	21.0	78.3	0.0	13.8	13.8	6.1
31								
Total :					126.0	261.8	387.8	111.4
Promedio :	17.0	26.7	20.3	81.3				

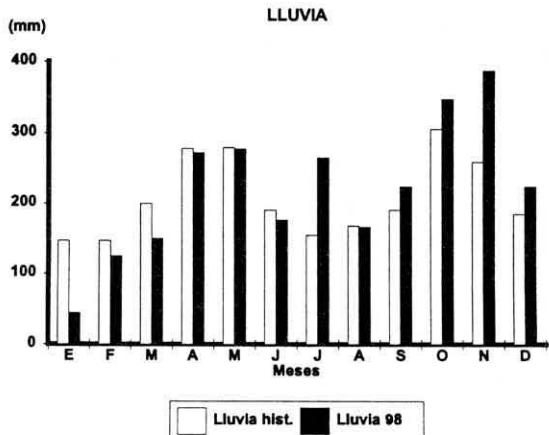
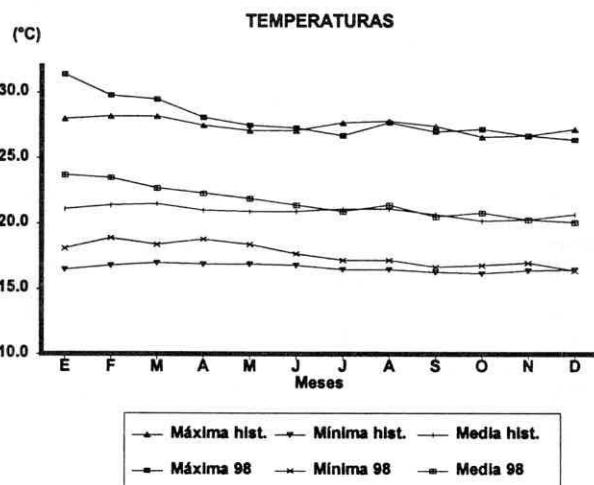
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.4	25.8	20.5	85.0	1.3	4.6	5.9	2.4
2	17.5	22.0	18.6	96.0	8.8	0.0	8.8	.2
3	16.4	25.5	19.9	84.3	0.0	.5	.5	4.4
4	16.4	27.5	20.3	77.0	0.0	0.0	0.0	5.9
5	16.6	26.8	20.3	81.7	0.0	14.9	14.9	4.2
6	17.0	21.2	18.6	93.0	5.6	0.0	5.6	0.0
7	16.3	26.2	19.7	83.0	3.5	0.0	3.5	5.0
8	15.8	27.8	20.6	80.7	25.2	.2	25.4	9.1
9	17.5	28.0	22.0	76.0	.9	.3	1.2	1.5
10	17.4	25.0	20.0	84.3	0.0	0.0	0.0	.5
11	17.8	27.8	20.9	79.0	1.4	16.3	17.7	2.6
12	16.3	27.0	20.4	81.3	1.0	0.0	1.0	5.3
13	17.3	25.2	19.7	92.0	.6	0.0	.6	3.5
14	17.0	26.8	20.9	79.3	.5	0.0	.5	3.5
15	17.4	25.2	20.4	82.7	0.0	0.0	0.0	1.6
16	17.0	23.0	19.8	92.3	.9	0.0	.9	0.0
17	16.0	25.7	19.4	79.7	14.8	0.0	14.8	3.4
18	16.2	26.4	20.1	78.3	0.0	1.4	1.4	3.3
19	16.1	26.1	20.7	76.7	0.0	.9	.9	3.2
20	15.8	25.0	19.6	82.0	0.0	.1	.1	2.2
21	16.0	27.0	19.4	83.0	31.4	.2	31.6	2.4
22	15.8	28.4	20.0	78.7	0.0	0.0	0.0	7.6
23	14.8	28.0	21.2	73.3	0.0	42.5	42.5	10.0
24	15.2	27.8	19.2	80.3	3.5	0.0	3.5	6.6
25	16.0	25.5	18.8	83.7	17.1	.1	17.2	3.0
26	15.0	27.2	18.7	80.0	11.5	3.6	15.1	7.0
27	13.8	28.6	19.2	82.0	.1	9.5	9.6	9.1
28	16.5	26.6	20.0	81.7	0.0	0.0	0.0	3.5
29	16.3	26.6	20.9	74.3	0.0	0.0	0.0	4.5
30	17.3	28.4	21.6	74.3	0.0	.6	.6	4.7
31	16.5	28.8	22.1	69.7	0.0	0.0	0.0	8.9
Total :					128.1	95.7	223.8	129.1
Promedio :	16.4	26.4	20.1	81.5				

Estación : CENICAFE  
Año : 1998

Dpto. : CALDAS  
Mpio. : CHINCHINA

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

MES	TEMPERATURA °C					PRECIPITACION			
	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	18.1	31.4	23.7	33.8	16.6	68.6	44.6	6	201.7
Febrero	18.9	29.8	23.5	34.2	17.2	73.7	124.8	11	130.6
Marzo	18.4	29.5	22.7	32.8	16.5	76.3	150.0	16	130.1
Abril	18.8	28.1	22.3	31.0	17.0	82.3	272.7	24	80.6
Mayo	18.4	27.5	21.9	31.4	15.8	83.0	278.3	25	82.0
Junio	17.7	27.3	21.4	31.0	15.8	80.8	176.6	20	108.0
Julio	17.2	26.7	20.9	30.3	15.8	81.1	265.6	21	121.5
Agosto	17.2	27.7	21.4	30.0	15.0	78.4	166.3	21	133.2
Septiembre	16.7	27.0	20.5	30.6	15.2	81.8	223.9	19	110.4
Octubre	16.8	27.2	20.8	30.4	14.8	79.3	347.6	27	112.5
Noviembre	17.0	26.7	20.3	29.4	15.0	81.3	387.8	25	111.4
Diciembre	16.4	26.4	20.1	28.8	13.8	81.5	223.8	24	129.1
Promedio :	17.6	27.8	21.6			79.0			
Absoluta :				34.2	13.8				
Total :							2662.0	239	1451.1



Estación : NARANJAL  
Año : 1998

Dpto. : CALDAS  
Mpio. : CHINCHINA

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

Enero	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.4	29.8	22.8	70.7	0.0	0.0	0.0	6.8
2	16.1	31.5	23.0	66.3	0.0	0.0	0.0	9.3
3	17.5	31.4	24.0	60.3	0.0	0.0	0.0	9.4
4	17.4	31.9	25.0	60.0	0.0	0.0	0.0	9.0
5	18.7	30.3	23.4	68.7	0.0	0.0	0.0	6.6
6	18.4	28.3	22.8	72.0	0.0	15.0	15.0	3.8
7	18.1	25.0	21.1	87.3	3.0	0.0	3.0	1.1
8	16.8	31.0	22.6	60.3	0.0	0.0	0.0	9.1
9	17.6	29.8	22.6	67.0	0.0	0.0	0.0	9.1
10	16.8	30.8	23.0	64.7	0.0	0.0	0.0	9.9
11	16.9	31.9	24.3	57.3	0.0	0.0	0.0	10.0
12	18.5	27.5	23.1	69.7	0.0	0.0	0.0	.9
13	16.6	30.5	23.0	65.7	0.0	0.0	0.0	8.2
14	17.6	27.8	22.2	75.0	0.0	0.0	0.0	1.2
15	17.7	29.7	23.6	70.3	0.0	0.0	0.0	9.2
16	18.4	29.6	23.5	70.3	0.0	14.1	14.1	4.8
17	17.8	29.1	23.1	69.3	0.0	0.0	0.0	5.5
18	16.7	30.8	22.6	63.7	0.0	0.0	0.0	8.2
19	18.5	30.2	23.6	65.0	0.0	0.0	0.0	5.8
20	18.3	28.3	22.6	72.3	0.0	0.0	0.0	2.3
21	17.1	31.4	24.0	64.0	0.0	0.0	0.0	8.7
22	17.1	31.0	23.8	68.3	0.0	0.0	0.0	9.7
23	18.3	31.2	24.0	71.3	0.0	0.0	0.0	8.0
24	18.7	29.7	23.7	68.0	0.0	0.0	0.0	6.8
25	17.7	30.7	23.8	55.3	0.0	0.0	0.0	8.7
26	17.2	30.7	24.0	59.7	0.0	0.0	0.0	7.9
27	18.2	30.8	23.8	61.0	0.0	2.3	2.3	6.9
28	18.5	27.7	23.0	70.7	0.0	0.0	0.0	2.5
29	17.0	32.4	25.0	53.3	0.0	0.0	0.0	7.5
30	18.5	30.1	23.0	74.7	.4	7.8	8.2	3.8
31	17.2	31.3	23.6	66.7	0.0	0.0	0.0	8.4
Total :					3.4	39.2	42.6	
Promedio :	17.7	30.1	23.3	66.7				209.1

Febrero	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.8	32.5	24.6	61.0	0.0	0.0	0.0	9.0
2	18.5	31.3	24.6	64.0	0.0	2.9	2.9	5.8
3	19.4	28.2	22.6	79.7	.3	1.0	1.3	1.1
4	18.7	30.5	23.8	70.0	0.0	.2	.2	7.9
5	19.4	28.0	23.1	77.3	0.0	0.0	0.0	.5
6	19.5	29.0	23.6	72.7	0.0	.3	.3	1.8
7	19.7	28.3	23.5	75.3	0.0	96.4	96.4	1.9
8	18.6	23.0	20.3	91.0	7.7	.8	8.5	0.0
9	18.4	25.4	21.8	80.3	2.0	.3	2.3	2.1
10	17.7	24.6	21.6	83.0	0.0	0.0	0.0	.5
11	19.3	25.9	21.5	87.0	0.0	0.0	0.0	.4
12	17.7	27.0	22.5	73.7	0.0	0.0	0.0	2.5
13	16.8	27.5	22.2	73.0	.1	34.3	34.4	3.9
14	17.8	27.4	21.6	80.0	3.3	.5	3.8	4.5
15	17.5	31.0	24.0	67.7	0.0	0.0	0.0	9.3
16	18.9	30.7	23.8	66.7	0.0	0.0	0.0	9.5
17	17.2	31.2	24.4	57.0	0.0	0.0	0.0	7.7
18	17.3	30.0	23.7	68.0	0.0	0.0	0.0	8.6
19	19.3	28.4	23.8	70.0	0.0	0.0	0.0	2.7
20	19.5	29.5	24.2	68.0	0.0	0.0	0.0	6.8
21	18.8	28.9	23.2	76.3	0.0	.4	.4	5.2
22	19.2	29.4	24.0	68.0	0.0	.4	.4	7.4
23	19.6	28.0	21.8	84.0	.6	0.0	.6	1.2
24	18.7	29.2	23.4	68.0	0.0	0.0	0.0	5.5
25	17.7	30.3	24.4	66.0	0.0	0.0	0.0	6.6
26	18.1	29.7	22.6	74.0	0.0	0.0	0.0	7.0
27	19.2	31.3	24.2	67.0	0.0	0.0	0.0	7.6
28	19.9	30.5	23.2	67.3	0.0	0.0	0.0	6.0
29								
30								
31								
Total :					14.0	137.5	151.5	133.0
Promedio :	18.6	28.7	23.1	72.7				

Estación : NARANJAL  
Año : 1998

Dpto. : CALDAS  
Mpio. : CHINCHINA

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.5	30.2	22.2	76.0	15.3	0.0	15.3	8.5
2	19.4	24.3	21.2	90.3	4.7	0.0	4.7	0.0
3	17.0	31.8	23.2	63.3	0.0	0.0	0.0	7.4
4	18.0	31.6	23.8	68.3	0.0	0.0	0.0	5.6
5	19.2	27.2	22.9	77.0	.3	0.0	.3	1.5
6	17.6	27.0	22.5	80.0	0.0	0.0	0.0	1.1
7	18.9	26.6	22.7	81.3	0.0	6.7	6.7	1.5
8	19.3	31.0	22.7	79.0	0.0	0.0	0.0	4.5
9	17.6	28.6	22.2	78.7	.3	0.0	.3	4.9
10	17.3	29.3	23.5	72.0	0.0	7.1	7.1	7.7
11	18.2	30.3	23.0	71.3	0.0	0.0	0.0	6.2
12	16.8	31.0	23.1	63.0	0.0	0.0	0.0	9.8
13	17.2	30.1	23.2	65.0	0.0	0.0	0.0	7.9
14	18.2	29.9	23.2	67.3	0.0	0.0	0.0	4.4
15	17.8	29.4	22.4	74.7	0.0	0.0	0.0	3.8
16	19.6	29.6	23.2	74.3	3.3	0.0	3.3	4.7
17	19.6	30.6	23.8	72.3	0.0	0.0	0.0	5.6
18	19.2	32.2	24.7	65.0	0.0	0.0	0.0	8.5
19	19.3	31.2	24.0	71.0	0.0	0.0	0.0	3.7
20	18.6	30.0	22.8	77.0	1.0	0.0	1.0	.2
21	19.0	29.5	22.8	72.3	0.0	0.0	0.0	3.9
22	18.0	29.9	23.6	67.3	0.0	9.9	9.9	5.7
23	18.3	24.0	20.1	84.7	1.1	.1	1.2	0.0
24	16.0	28.0	22.2	75.7	0.0	0.0	0.0	4.6
25	16.6	30.7	23.6	67.7	0.0	1.5	1.5	6.9
26	18.0	30.6	21.8	75.7	42.7	22.1	64.8	5.5
27	18.6	27.0	21.4	83.3	19.9	12.9	32.8	3.6
28	18.0	28.4	21.2	79.3	1.5	3.3	4.8	2.8
29	18.3	28.2	21.9	79.3	29.6	.8	30.4	4.3
30	19.2	24.4	20.8	88.0	4.1	1.4	5.5	.6
31	17.8	27.3	21.8	81.3	10.2	0.0	10.2	3.5
Total :					134.0	65.8	199.8	138.9
Promedio :	18.2	29.0	22.6	74.9				

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	28.2	23.0	76.7	.7	1.7	2.4	4.6
2	18.7	27.4	21.8	87.7	5.4	72.0	77.4	2.4
3	18.0	25.0	22.0	85.0	.6	1.6	2.2	.8
4	18.0	26.9	22.7	81.0	0.0	0.0	0.0	1.8
5	16.7	28.9	23.1	68.7	0.0	0.0	0.0	7.4
6	19.4	26.5	22.8	81.0	.6	38.9	39.5	1.6
7	18.0	28.3	22.8	75.3	0.0	0.0	0.0	5.9
8	18.8	27.4	21.8	89.7	1.1	0.0	1.1	4.1
9	18.6	27.6	23.0	78.7	0.0	1.9	1.9	1.4
10	18.0	27.5	22.9	76.0	0.0	7.6	7.6	2.3
11	17.7	21.7	19.8	93.7	10.1	0.0	10.1	0.0
12	16.4	26.2	22.2	73.7	0.0	.8	.8	2.2
13	18.5	27.9	22.0	78.0	1.8	27.2	29.0	1.7
14	17.4	26.6	21.8	82.7	0.0	0.0	0.0	1.0
15	18.8	29.2	23.6	76.7	4.6	30.7	35.3	5.6
16	19.2	28.0	22.8	82.7	0.0	0.0	0.0	3.6
17	19.1	29.6	22.2	76.3	19.4	3.1	22.5	4.0
18	18.0	27.2	22.5	82.7	.1	.6	.7	2.8
19	19.8	25.4	21.9	83.3	.3	9.2	9.5	.6
20	18.0	26.3	22.0	80.7	.4	0.0	.4	2.5
21	18.7	27.5	22.8	79.7	0.0	5.8	5.8	3.2
22	19.7	29.3	23.2	75.0	0.0	4.4	4.4	4.0
23	18.8	25.6	22.4	81.0	.3	1.5	1.8	0.0
24	19.0	27.8	22.2	84.7	6.6	26.2	32.8	1.7
25	17.7	27.0	22.1	79.7	2.5	0.0	2.5	3.7
26	18.0	24.8	22.0	83.7	.1	.3	.4	1.2
27	17.4	28.8	22.4	73.0	.2	5.9	6.1	5.6
28	19.4	25.2	20.6	94.3	7.4	0.0	7.4	1.0
29	16.0	29.0	22.8	74.7	0.0	2.4	2.4	6.5
30	19.0	26.4	22.4	82.0	0.0	.3	.3	1.6
31								
Total :					62.2	242.1	304.3	84.8
Promedio :	18.3	27.1	22.3	80.6				

Estación : NARANJAL  
Año : 1998

Dpto. : CALDAS  
Mpio. : CHINCHINA

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

Mayo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.8	24.1	20.8	87.0	12.2	7.7	19.9	0.0
2	17.6	26.2	21.6	78.3	0.0	31.4	31.4	4.0
3	17.0	21.4	19.2	93.7	48.8	16.1	64.9	0.0
4	16.5	25.7	19.2	86.7	6.3	.5	6.8	2.9
5	17.7	25.8	21.5	81.7	0.0	.5	.5	2.9
6	17.0	26.5	21.8	78.0	0.0	0.0	0.0	2.2
7	19.0	28.0	21.9	76.7	.1	1.0	1.1	5.0
8	17.5	27.4	22.0	79.7	0.0	0.0	0.0	2.8
9	19.8	28.4	22.7	80.0	0.0	0.0	0.0	1.8
10	18.0	27.2	22.3	76.0	0.0	0.0	0.0	4.1
11	18.8	29.2	22.2	81.7	1.6	8.0	9.6	6.3
12	18.5	25.6	21.6	85.0	2.0	0.0	2.0	1.2
13	15.0	28.1	23.0	73.0	0.0	0.0	0.0	6.4
14	17.7	28.3	23.7	73.3	.4	3.1	3.5	6.2
15	18.6	24.0	21.2	89.7	0.0	0.0	0.0	0.0
16	17.0	30.7	24.0	69.0	0.0	0.0	0.0	8.8
17	19.0	29.0	22.4	81.3	1.8	7.7	9.5	1.5
18	18.8	28.5	23.0	82.0	.1	8.2	8.3	2.2
19	18.4	29.7	23.8	72.7	0.0	0.0	0.0	6.9
20	19.8	30.3	24.2	69.7	0.0	.2	.2	6.8
21	19.4	30.6	24.9	70.7	0.0	.3	.3	6.8
22	18.7	30.2	24.8	67.0	0.0	1.3	1.3	8.0
23	19.5	25.2	22.2	89.7	.2	0.0	.2	0.0
24	18.4	27.3	22.0	86.3	.9	0.0	.9	2.3
25	19.8	25.0	22.3	87.7	5.3	11.6	16.9	0.0
26	18.0	25.7	21.0	84.7	4.0	40.1	44.1	1.6
27	17.5	23.1	20.0	95.0	23.2	23.0	46.2	.6
28	17.0	23.9	20.1	88.7	4.4	25.0	29.4	.5
29	16.8	24.6	20.7	87.7	.5	1.1	1.6	0.0
30	17.5	27.7	21.8	80.7	0.0	.3	.3	2.4
31	17.8	27.8	22.3	73.0	2.5	4.1	6.6	3.3
Total :					114.3	191.2	305.5	97.5
Promedio :	18.1	26.9	22.1	80.9				
Junio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.7	23.4	20.4	91.0	2.4	.4	2.8	1.0
2	15.0	25.2	20.8	76.3	.6	3.0	3.6	4.7
3	17.2	24.5	20.9	84.7	.5	0.0	.5	1.2
4	15.5	27.0	21.3	74.7	0.0	35.7	35.7	5.1
5	16.1	26.2	20.8	85.3	.1	0.0	.1	4.2
6	16.7	28.0	22.5	75.3	0.0	59.0	59.0	6.1
7	16.9	25.4	20.8	82.0	4.0	0.0	4.0	1.9
8	17.8	25.5	20.6	87.0	6.6	2.2	8.8	1.9
9	18.0	26.6	21.6	80.7	6.4	4.3	10.7	3.3
10	17.6	28.1	22.0	79.7	0.0	0.0	0.0	5.1
11	17.2	28.2	22.4	80.0	0.0	.8	.8	6.9
12	18.0	28.0	22.1	80.7	0.0	0.0	0.0	2.0
13	17.2	30.4	24.3	61.0	0.0	3.9	3.9	8.0
14	17.3	29.0	22.6	77.3	0.0	37.9	37.9	5.4
15	17.5	22.2	19.2	93.7	8.5	5.4	13.9	.5
16	17.4	26.5	21.2	79.3	.5	2.3	2.8	4.0
17	17.0	26.0	21.6	77.0	0.0	11.2	11.2	3.9
18	17.8	26.2	20.6	79.7	1.4	0.0	1.4	1.9
19	17.3	25.7	22.0	78.3	0.0	11.6	11.6	4.9
20	18.7	26.9	22.1	82.3	.4	0.0	.4	2.1
21	18.3	25.3	20.0	92.0	9.5	.9	10.4	2.7
22	17.6	25.6	20.9	82.0	.6	5.7	6.3	2.2
23	17.7	26.8	20.9	79.7	4.6	7.6	12.2	2.9
24	18.3	28.0	21.9	76.3	0.0	0.0	0.0	5.0
25	18.4	27.5	22.5	76.7	0.0	0.0	0.0	4.6
26	17.4	29.5	23.2	65.3	0.0	0.0	0.0	7.3
27	18.0	26.2	21.8	79.7	1.0	.5	1.5	.7
28	17.2	25.0	21.6	78.3	3.1	1.3	4.4	3.1
29	18.0	25.4	21.2	81.7	0.0	0.0	0.0	1.4
30	15.3	28.8	22.4	65.3	0.0	0.0	0.0	9.5
31								
Total :					50.2	193.7	243.9	113.5
Promedio :	17.3	26.6	21.5	79.4				

Estación : NARANJAL  
Año : 1998

Dpto. : CALDAS  
Mpio. : CHINCHINA

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

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.6	30.2	23.2	63.0	0.0	0.0	0.0	9.1
2	17.1	28.4	22.4	70.0	0.0	.3	.3	5.8
3	18.4	26.5	22.0	78.7	.5	10.4	10.9	4.3
4	17.0	22.6	19.4	92.0	6.4	18.1	24.5	.9
5	17.2	22.7	20.0	91.3	.8	7.7	8.5	.5
6	17.4	26.5	19.9	80.7	7.4	19.0	26.4	5.4
7	16.5	22.6	19.8	87.7	1.5	0.0	1.5	1.3
8	16.0	25.0	21.4	79.7	0.0	10.0	10.0	3.3
9	17.5	25.0	20.3	84.3	.6	.9	1.5	3.5
10	18.4	26.2	21.0	83.7	.7	0.0	.7	1.2
11	17.2	26.0	22.1	75.7	0.0	13.1	13.1	2.6
12	17.4	29.0	22.0	77.0	0.0	8.9	8.9	8.3
13	17.6	28.5	21.9	71.7	0.0	8.4	8.4	7.1
14	17.4	24.6	21.3	81.3	0.0	0.0	0.0	2.5
15	16.5	26.8	20.4	89.0	2.5	6.9	9.4	4.8
16	17.3	26.0	21.0	81.0	4.1	39.4	43.5	2.9
17	17.2	26.4	20.8	79.7	0.0	23.8	23.8	2.4
18	16.0	26.0	20.6	82.0	.4	57.5	57.9	4.1
19	17.0	28.2	21.4	76.7	.5	1.5	2.0	8.0
20	16.9	27.8	22.1	69.7	0.0	0.0	0.0	7.0
21	16.7	28.0	22.0	73.0	0.0	.6	.6	6.1
22	17.8	25.5	20.6	80.0	2.3	23.9	26.2	1.9
23	17.2	26.8	20.7	82.0	.6	0.0	.6	5.5
24	17.8	25.7	21.4	76.0	.3	0.0	.3	3.7
25	17.6	25.5	20.5	80.0	2.2	0.0	2.2	2.2
26	16.8	29.4	22.0	71.0	0.0	0.0	0.0	6.7
27	17.0	27.0	22.2	68.7	0.0	58.3	58.3	3.8
28	16.4	27.2	21.8	78.3	.3	4.4	4.7	5.2
29	17.6	26.4	21.6	76.7	0.0	22.0	22.0	4.9
30	16.8	25.6	20.4	78.0	.4	0.0	.4	3.3
31	16.0	26.5	21.4	79.0	0.0	0.0	0.0	2.9
Total :					31.5	335.1	366.6	131.2
Promedio :	17.1	26.4	21.2	78.6				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	28.0	22.1	68.3	0.0	0.0	0.0	7.1
2	18.2	30.0	23.2	68.3	0.0	0.0	0.0	6.8
3	18.1	28.8	22.4	76.3	0.0	.3	.3	5.3
4	18.5	27.7	22.6	72.0	0.0	17.3	17.3	3.8
5	18.0	26.1	22.3	76.3	.2	6.6	6.8	3.8
6	17.4	26.0	20.5	80.7	0.0	.5	.5	2.7
7	17.6	25.0	20.5	79.3	0.0	23.0	23.0	1.0
8	16.6	25.3	20.6	78.0	.7	0.0	.7	2.3
9	15.4	28.1	20.8	61.7	0.0	0.0	0.0	7.5
10	15.5	27.7	21.6	69.0	0.0	6.5	6.5	5.9
11	18.3	27.6	22.1	75.0	0.0	0.0	0.0	7.9
12	17.7	27.0	22.2	78.0	0.0	0.0	0.0	1.5
13	18.0	26.4	21.2	81.7	0.0	38.7	38.7	3.7
14	16.6	27.3	20.9	79.0	9.0	12.7	21.7	5.2
15	16.4	23.4	19.9	86.0	.4	0.0	.4	.8
16	16.0	24.8	20.0	80.3	0.0	0.0	0.0	2.6
17	16.2	25.0	20.6	78.3	0.0	0.0	0.0	3.6
18	17.2	27.6	22.5	70.3	0.0	22.3	22.3	7.6
19	16.8	26.5	20.5	79.3	0.0	28.3	28.3	3.8
20	16.2	26.4	20.8	81.7	0.0	3.8	3.8	4.7
21	17.0	26.2	20.9	81.0	11.6	0.0	11.6	3.3
22	16.2	26.6	22.0	73.0	0.0	0.0	0.0	3.8
23	16.7	29.2	22.4	66.0	0.0	.1	.1	8.8
24	17.4	27.9	23.0	71.0	0.0	18.8	18.8	6.1
25	17.2	24.2	20.5	85.7	.3	14.5	14.8	2.0
26	16.7	23.2	19.8	89.7	5.8	9.2	15.0	1.3
27	17.1	25.4	21.0	78.3	0.0	0.0	0.0	5.8
28	17.4	28.5	22.2	69.0	.2	0.0	.2	8.6
29	17.6	27.8	22.2	72.3	0.0	8.7	8.7	6.1
30	17.8	28.0	20.9	80.3	.5	.9	1.4	4.1
31	17.0	25.0	21.0	77.3	0.0	0.0	0.0	2.3
Total :					28.7	212.2	240.9	139.8
Promedio :	17.1	26.7	21.4	76.2				

Estación : NARANJAL  
Año : 1998

Dpto. : CALDAS  
Mpio. : CHINCHINA

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.4	25.6	21.5	76.3	0.0	1.4	1.4	3.7
2	16.4	25.9	20.5	79.3	5.0	16.4	21.4	3.4
3	15.6	21.8	18.6	95.3	4.1	.3	4.4	.3
4	15.5	25.3	20.4	78.7	1.0	0.0	1.0	3.7
5	16.0	26.4	21.0	74.3	0.0	0.0	0.0	4.3
6	16.2	28.0	22.1	66.7	0.0	0.0	0.0	7.4
7	17.7	26.0	22.2	72.3	0.0	0.0	0.0	2.0
8	18.0	23.2	19.4	91.0	6.7	0.0	6.7	.5
9	16.6	26.0	21.1	79.7	0.0	.6	.6	4.1
10	17.0	24.8	20.2	80.0	0.0	0.0	0.0	1.1
11	16.0	26.3	20.1	79.3	1.3	15.1	16.4	2.9
12	16.5	22.4	18.9	87.7	3.3	4.8	8.1	.7
13	15.5	24.8	20.4	82.3	.5	2.1	2.6	4.7
14	17.2	25.5	21.2	81.7	10.6	23.0	33.6	3.3
15	15.2	26.6	20.1	78.7	2.4	0.0	2.4	2.8
16	16.4	26.4	21.0	79.3	0.0	0.0	0.0	5.1
17	15.9	24.7	19.2	85.3	12.9	0.0	12.9	1.5
18	14.8	28.0	21.0	71.0	0.0	1.7	1.7	6.5
19	16.2	26.3	20.3	85.7	4.6	0.0	4.6	4.3
20	17.5	25.7	20.8	88.3	5.5	.2	5.7	3.4
21	16.7	26.4	22.2	76.7	32.1	14.4	46.5	3.5
22	15.0	25.5	19.5	86.0	2.1	39.5	41.6	2.2
23	15.0	23.4	19.6	84.3	4.1	0.0	4.1	.6
24	16.5	26.6	21.1	77.3	0.0	0.0	0.0	4.5
25	16.8	26.7	21.2	77.0	0.0	28.7	28.7	4.6
26	16.4	26.8	21.1	76.7	0.0	4.2	4.2	4.1
27	17.3	25.6	20.4	77.7	.5	.2	.7	2.4
28	17.4	28.1	21.2	74.7	0.0	0.0	0.0	6.5
29	15.8	29.0	22.4	67.0	0.0	.2	.2	7.6
30	17.0	29.2	23.0	67.7	0.0	.2	.2	8.5
31								
Total :					96.7	153.0	249.7	110.2
Promedio :	16.3	25.9	20.7	79.3				
Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.9	27.8	22.6	72.7	0.0	0.0	0.0	4.9
2	18.0	26.5	21.9	76.3	5.4	0.0	5.4	2.2
3	16.4	26.4	21.6	71.3	0.0	1.0	1.0	1.9
4	15.5	27.7	22.2	70.7	.1	1.9	2.0	5.1
5	18.3	27.5	22.8	72.0	0.0	59.1	59.1	3.9
6	16.4	25.5	20.4	78.3	1.3	24.3	25.6	1.7
7	16.6	24.3	20.4	84.0	2.4	0.0	2.4	1.7
8	16.0	26.4	21.5	75.7	.7	0.0	.7	3.7
9	17.0	26.3	21.7	77.3	1.5	0.0	1.5	2.6
10	17.5	28.8	23.2	68.0	0.0	7.5	7.5	6.1
11	17.4	28.6	22.1	68.0	.3	0.0	.3	5.7
12	17.0	25.8	20.1	79.0	1.6	.1	1.7	2.5
13	16.2	24.0	20.0	84.3	0.0	0.0	0.0	.9
14	14.8	28.2	20.7	74.7	7.0	0.0	7.0	9.1
15	15.8	28.2	22.1	63.0	0.0	9.5	9.5	7.6
16	15.7	25.6	20.7	75.7	0.0	0.0	0.0	3.8
17	15.0	26.7	21.4	73.7	0.0	1.0	1.0	5.7
18	16.0	27.1	21.8	68.0	0.0	8.3	8.3	7.3
19	18.0	26.5	20.7	80.3	11.9	0.0	11.9	3.9
20	16.8	26.4	20.8	74.3	4.5	0.0	4.5	3.4
21	17.2	25.1	19.5	80.3	6.3	.1	6.4	.2
22	14.8	23.8	18.9	84.3	37.8	0.0	37.8	1.9
23	14.2	24.5	19.4	81.7	9.9	31.2	41.1	2.4
24	16.9	25.7	20.0	79.0	10.5	19.7	30.2	2.1
25	16.5	26.1	19.8	79.0	1.6	43.3	44.9	3.7
26	16.2	25.5	20.6	77.3	0.0	0.0	0.0	5.1
27	17.2	26.4	20.6	75.0	0.0	0.0	0.0	5.8
28	17.4	27.8	21.4	75.0	0.0	21.1	21.1	6.5
29	17.0	26.8	21.5	82.0	0.0	42.3	42.3	4.5
30	17.5	25.2	20.9	80.7	.3	0.0	.3	.6
31	17.0	27.5	20.9	79.0	2.4	4.2	6.6	2.0
Total :					105.5	274.6	380.1	118.5
Promedio :	16.6	26.4	21.0	76.1				

Estación : NARANJAL  
Año : 1998

Dpto. : CALDAS  
Mpio. : CHINCHINA

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

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.5	26.6	21.4	72.0	0.0	24.7	24.7	4.9
2	15.5	26.6	21.0	75.0	0.0	.4	.4	5.0
3	17.5	27.4	21.1	73.0	.9	0.0	.9	5.1
4	16.6	24.7	19.7	88.3	4.0	2.5	6.5	2.5
5	16.7	25.7	20.6	80.3	.7	5.7	6.4	2.1
6	16.8	26.7	20.5	75.7	0.0	32.7	32.7	2.3
7	17.2	22.5	18.7	86.7	5.0	0.0	5.0	1.5
8	16.0	25.6	20.4	73.7	0.0	.1	.1	1.6
9	16.8	27.8	21.0	75.0	3.0	27.5	30.5	6.5
10	16.5	26.0	20.8	75.3	0.0	0.0	0.0	4.4
11	16.4	27.2	21.4	74.0	.3	0.0	.3	4.8
12	17.7	25.5	20.8	79.3	.4	8.8	9.2	2.0
13	17.2	26.7	21.2	78.7	0.0	29.9	29.9	3.5
14	16.2	25.2	20.0	79.7	16.3	0.0	16.3	2.5
15	15.8	27.1	20.0	78.0	1.5	0.0	1.5	4.7
16	16.4	26.8	21.4	72.0	0.0	3.1	3.1	6.8
17	16.8	26.0	21.1	80.7	.3	.9	1.2	3.1
18	17.0	26.4	21.1	79.0	4.0	0.0	4.0	3.6
19	16.8	25.6	19.8	80.0	18.2	0.0	18.2	2.7
20	16.5	26.4	20.8	81.3	2.0	26.8	28.8	2.8
21	16.6	25.2	20.6	83.3	5.7	31.8	37.5	1.0
22	17.5	22.0	19.2	84.0	2.3	0.0	2.3	0.0
23	15.4	27.0	20.3	69.0	0.0	7.2	7.2	9.3
24	18.2	22.5	19.7	89.7	12.8	6.9	19.7	.7
25	16.3	25.5	20.8	80.0	0.0	0.0	0.0	2.6
26	17.4	26.1	21.3	79.3	0.0	6.2	6.2	2.8
27	17.0	24.1	20.2	84.0	11.1	13.8	24.9	1.5
28	17.7	24.0	19.7	81.0	5.1	.1	5.2	.7
29	16.4	25.0	20.1	76.7	0.0	4.9	4.9	4.1
30	17.8	26.6	21.1	76.3	.5	4.2	4.7	6.3
31								
Total :					94.1	238.2	332.3	101.4
Promedio :	16.8	25.7	20.5	78.7				

Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.5	25.7	20.6	80.0	1.5	1.8	3.3	2.0
2	17.0	20.8	18.8	95.3	25.9	.2	26.1	.5
3	15.9	25.0	19.8	81.3	1.3	0.0	1.3	3.2
4	16.3	26.2	20.5	72.0	0.0	0.0	0.0	5.8
5	16.6	25.8	20.2	78.3	0.0	2.6	2.6	5.0
6	17.3	20.8	18.9	92.3	20.7	0.0	20.7	.1
7	16.0	24.0	19.3	84.3	13.2	0.0	13.2	3.2
8	15.0	26.9	20.8	76.7	0.0	1.8	1.8	7.7
9	16.8	26.5	20.8	78.3	.2	0.0	.2	4.5
10	17.2	24.5	20.4	84.3	1.3	0.0	1.3	.5
11	17.4	25.2	21.2	82.7	.8	11.4	12.2	1.3
12	16.6	26.1	20.4	82.0	2.6	.9	3.5	4.4
13	17.0	24.8	20.2	86.3	11.1	.2	11.3	1.2
14	16.7	26.6	21.6	75.0	0.0	0.0	0.0	5.0
15	17.3	24.4	20.0	81.7	0.0	2.1	2.1	2.6
16	16.7	22.3	20.0	82.7	3.1	0.0	3.1	0.0
17	16.4	26.0	20.4	76.7	.8	0.0	.8	2.8
18	16.5	27.0	21.0	68.0	0.0	.5	.5	4.8
19	17.0	27.0	21.6	74.3	0.0	4.8	4.8	4.5
20	17.1	24.6	20.5	74.3	.3	.1	.4	2.0
21	16.7	25.0	19.8	80.0	10.9	.7	11.6	2.4
22	15.5	26.9	20.3	73.7	0.0	0.0	0.0	6.6
23	15.2	28.2	21.2	66.3	0.0	8.9	8.9	9.5
24	16.5	26.0	20.6	71.0	0.0	0.0	0.0	5.7
25	17.0	26.2	19.4	78.0	28.9	.6	29.5	3.5
26	16.7	26.5	20.0	73.0	.5	.3	.8	6.3
27	14.8	26.9	20.2	74.0	0.0	3.1	3.1	6.7
28	17.0	26.0	20.3	79.7	2.9	0.0	2.9	3.9
29	16.5	25.2	21.1	75.3	0.0	0.0	0.0	1.8
30	17.0	27.5	21.8	74.3	0.0	.2	.2	4.2
31	16.0	27.8	22.0	71.7	0.0	4.0	4.0	7.3
Total :					126.0	44.2	170.2	119.0
Promedio :	16.5	25.6	20.4	78.2				

Estación : NARANJAL  
Año : 1998

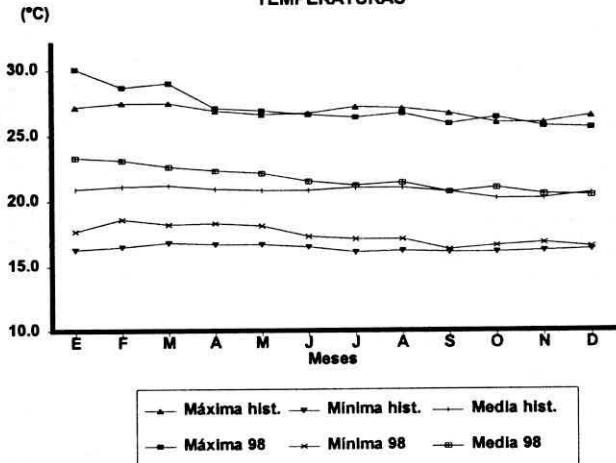
Dpto. : CALDAS  
Mpio. : CHINCHINA

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

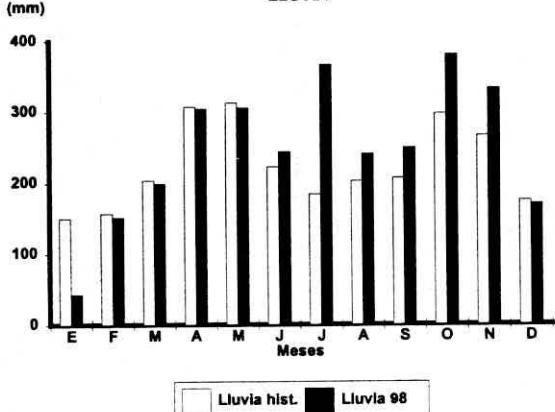
#### TEMPERATURA °C

MES	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	17.7	30.1	23.3	32.4	16.1	66.7	42.6	5	209.1
Febrero	18.6	28.7	23.1	32.5	16.8	72.7	151.5	12	133.0
Marzo	18.2	29.0	22.6	32.2	16.0	74.9	199.8	17	138.9
Abri	18.3	27.1	22.3	29.6	16.0	80.6	304.3	25	84.8
Mayo	18.1	26.9	22.1	30.7	15.0	80.9	305.5	23	97.5
Junio	17.3	26.6	21.5	30.4	15.0	79.4	243.9	23	113.5
Julio	17.1	26.4	21.2	30.2	16.0	78.6	366.6	26	131.2
Agosto	17.1	26.7	21.4	30.0	15.4	76.2	240.9	21	139.8
Septiembre	16.3	25.9	20.7	29.2	14.8	79.3	249.7	23	110.2
Octubre	16.6	26.4	21.0	28.8	14.2	76.1	380.1	26	118.5
Noviembre	16.8	25.7	20.5	27.8	15.4	78.7	332.3	28	101.4
Diciembre	16.5	25.6	20.4	28.2	14.8	78.2	170.2	26	119.0
Promedio :	17.4	27.1	21.7			76.9			
Absoluta :				32.5	14.2				
Total :							2987.4	255	1496.9

#### TEMPERATURAS



#### LLUVIA



■ Lluvia hist. ■ Lluvia 98

Estación : LA TRINIDAD  
Año : 1998

Dpto. : CAUCA  
Mpio. : PIENDAMO

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.0	26.9	19.4	79.0	1.8	0.0	1.8	5.6
2	14.2	29.0	22.9	51.0	0.0	0.0	0.0	10.5
3	14.6	30.1	22.9	40.7	0.0	0.0	0.0	10.5
4	15.0	29.2	22.6	54.3	0.0	0.0	0.0	10.4
5	15.2	28.6	22.3	57.7	0.0	0.0	0.0	7.0
6	15.2	25.2	19.0	82.7	12.2	.5	12.7	.7
7	16.2	24.0	18.8	88.0	5.9	0.0	5.9	1.3
8	16.4	26.6	21.2	71.0	0.0	0.0	0.0	7.6
9	16.0	27.2	20.1	71.3	0.0	0.0	0.0	4.7
10	15.4	27.6	21.4	71.3	0.0	1.5	1.5	6.8
11	15.6	27.8	21.6	72.0	0.0	0.0	0.0	5.7
12	15.0	27.6	21.3	69.7	0.0	1.2	1.2	5.9
13	15.6	25.0	20.7	78.7	0.0	0.0	0.0	1.4
14	16.0	26.6	18.8	78.0	31.2	.6	31.8	6.1
15	16.2	27.6	20.2	74.7	0.0	0.0	0.0	4.8
16	15.4	27.2	19.8	73.7	.3	0.0	.3	4.4
17	16.4	27.0	20.7	78.0	0.0	0.0	0.0	6.3
18	16.6	26.6	19.9	78.3	17.0	.6	17.6	4.8
19	16.0	27.6	19.7	82.0	5.2	0.0	5.2	6.0
20	16.4	26.2	21.3	77.0	0.0	0.0	0.0	3.5
21	17.9	27.4	22.5	69.3	0.0	4.2	4.2	3.7
22	17.2	27.8	22.2	69.7	0.0	0.0	0.0	5.4
23	15.6	28.8	22.5	69.7	0.0	0.0	0.0	7.9
24	14.6	28.0	21.8	67.7	0.0	0.0	0.0	10.1
25	15.6	29.2	21.6	72.0	0.0	0.0	0.0	8.5
26	16.0	26.9	21.8	65.0	0.0	0.0	0.0	7.3
27	15.9	26.4	21.7	60.0	0.0	0.0	0.0	6.0
28	15.8	27.0	21.8	72.7	0.0	0.0	0.0	5.0
29	16.6	28.6	22.3	71.0	0.0	0.0	0.0	6.2
30	16.2	26.9	21.5	76.7	0.0	0.0	0.0	4.0
31	15.6	29.8	21.9	63.7	0.0	0.0	0.0	6.6
Total :					73.6	8.6	82.2	
Promedio :	15.8	27.4	21.2	70.5				184.7

Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.6	28.4	23.4	65.3	0.0	0.0	0.0	9.7
2	16.8	28.6	21.1	75.0	0.0	0.0	0.0	2.8
3	17.0	28.4	22.2	68.7	0.0	0.0	0.0	2.8
4	16.0	28.0	22.6	66.3	0.0	0.0	0.0	7.2
5	17.0	27.0	20.1	82.0	.8	0.0	.8	3.6
6	16.6	27.6	22.2	68.0	0.0	75.3	75.3	5.9
7	17.0	25.0	20.9	82.0	0.0	4.8	4.8	1.9
8	16.0	22.6	18.3	89.3	61.4	23.2	84.6	.3
9	15.2	24.2	19.4	81.0	.8	7.1	7.9	3.6
10	17.0	20.8	18.8	88.7	9.3	0.0	9.3	0.0
11	15.8	22.0	19.0	84.0	0.0	.9	.9	.5
12	16.8	26.6	20.8	76.7	0.0	0.0	0.0	4.1
13	16.6	29.0	22.1	68.3	0.0	0.0	0.0	8.0
14	17.2	27.0	20.5	78.7	0.0	0.0	0.0	3.1
15	15.2	26.9	20.6	79.3	0.0	0.0	0.0	1.2
16	16.8	28.8	23.4	48.3	0.0	0.0	0.0	10.3
17	13.9	29.2	23.0	52.0	0.0	0.0	0.0	10.9
18	16.3	26.2	21.0	77.7	0.0	9.5	9.5	4.7
19	15.9	26.3	20.8	75.0	0.0	0.0	0.0	3.7
20	16.9	20.5	18.3	93.7	15.6	.1	15.7	0.0
21	14.0	27.0	20.4	73.3	0.0	0.0	0.0	5.9
22	16.0	27.8	20.0	78.0	.7	0.0	.7	7.2
23	16.5	25.0	21.0	78.0	.1	0.0	.1	3.6
24	16.6	25.8	21.2	79.3	0.0	0.0	0.0	4.3
25	18.0	28.0	23.4	69.7	0.0	0.0	0.0	5.1
26	16.2	26.2	20.7	80.7	0.0	0.0	0.0	7.1
27	16.6	26.9	19.8	77.3	11.1	0.0	11.1	2.5
28	16.8	27.6	20.3	76.7	2.4	.1	2.5	5.0
29								
30								
31								
Total :					102.2	121.0	223.2	
Promedio :	16.3	26.3	20.9	75.5				125.0

Estación : LA TRINIDAD  
Año : 1998

Dpto. : CAUCA  
Mpio. : PIENDAMO

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

Marzo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.2	25.7	19.8	84.7	7.1	0.0	7.1	3.9
2	17.0	24.4	19.4	89.0	.6	0.0	.6	1.6
3	16.0	27.7	21.6	76.7	0.0	0.0	0.0	4.4
4	15.5	27.9	21.6	67.3	0.0	0.0	0.0	6.5
5	15.9	27.0	21.2	78.0	0.0	1.3	1.3	3.6
6	17.0	26.8	20.6	82.7	1.6	0.0	1.6	1.4
7	16.9	24.1	19.3	85.0	8.5	0.0	8.5	.8
8	16.1	25.0	20.0	83.7	1.0	0.0	1.0	.5
9	16.0	26.0	20.3	76.7	0.0	3.0	3.0	2.5
10	15.0	26.2	19.8	80.0	0.0	1.5	1.5	3.7
11	17.0	26.0	19.8	79.3	0.0	0.0	0.0	2.9
12	15.2	26.2	21.0	76.0	0.0	0.0	0.0	4.9
13	16.8	28.0	20.4	77.0	5.4	0.0	5.4	5.0
14	15.8	26.9	19.0	81.3	10.6	0.0	10.6	5.5
15	16.2	26.3	21.6	70.3	0.0	0.0	0.0	4.8
16	17.3	26.5	20.4	78.7	20.7	0.0	20.7	3.2
17	16.9	27.3	20.7	77.7	20.3	0.0	20.3	5.1
18	16.5	27.9	20.2	82.7	20.7	0.0	20.7	4.8
19	16.0	29.0	21.0	70.3	0.0	0.0	0.0	7.5
20	17.0	24.1	19.7	92.7	0.0	0.0	0.0	0.0
21	16.8	25.3	21.4	78.7	.3	0.0	.3	4.6
22	16.0	27.0	20.6	78.3	1.5	0.0	1.5	4.4
23	16.9	22.0	18.6	91.7	0.0	0.0	0.0	.4
24	16.1	24.2	19.7	86.3	0.0	0.0	0.0	1.4
25	16.7	28.0	20.2	81.0	0.0	0.0	0.0	3.9
26	15.9	26.3	19.2	81.0	27.6	1.2	28.8	4.5
27	16.1	25.8	19.6	84.3	1.7	17.6	19.3	1.8
28	16.0	25.3	18.9	81.3	0.0	2.8	2.8	4.1
29	16.8	24.0	20.3	86.7	20.1	9.5	29.6	.4
30	16.9	24.4	19.0	92.0	6.0	11.5	17.5	2.5
31	16.2	26.3	19.7	80.0	21.9	0.0	21.9	3.0
Total :					175.6	48.4	224.0	
Promedio :	16.4	26.1	20.1	81.0				103.6
Abril	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	26.0	19.6	82.3	4.3	0.0	4.3	.6
2	16.0	25.3	20.0	82.0	11.2	0.0	11.2	2.7
3	17.7	24.0	19.4	85.7	7.0	9.5	16.5	2.4
4	16.9	24.8	19.3	84.7	1.6	0.0	1.6	4.1
5	15.7	27.5	20.0	77.0	3.9	0.0	3.9	7.1
6	16.8	25.4	19.2	88.3	34.1	0.0	34.1	2.8
7	16.3	26.0	20.5	80.7	.4	1.3	1.7	6.3
8	17.0	26.1	20.8	80.0	1.2	0.0	1.2	4.8
9	17.1	24.0	19.4	89.7	.4	0.0	.4	2.0
10	15.9	26.5	20.2	80.0	0.0	12.2	12.2	5.5
11	16.8	23.0	17.4	95.0	39.5	.4	39.9	.6
12	16.3	26.3	20.0	87.3	16.2	0.0	16.2	5.1
13	15.8	26.0	19.4	79.0	5.2	.6	5.8	1.0
14	16.0	25.6	20.4	80.3	.2	0.0	.2	5.8
15	15.2	27.8	19.7	77.0	16.7	0.0	16.7	3.7
16	17.7	27.0	21.0	79.7	0.0	0.0	0.0	4.8
17	17.5	26.0	19.0	93.7	8.0	0.0	8.0	2.8
18	16.6	26.8	20.0	81.0	4.6	2.4	7.0	3.9
19	17.5	24.3	19.0	91.7	9.1	6.4	15.5	.3
20	16.3	24.9	20.2	83.7	1.6	0.0	1.6	2.5
21	16.2	25.2	19.4	84.3	20.1	0.0	20.1	3.5
22	15.9	26.0	20.8	82.3	0.0	0.0	0.0	3.8
23	17.2	24.0	19.0	94.3	21.5	0.0	21.5	.7
24	15.0	26.5	20.4	78.3	.2	0.0	.2	5.5
25	16.5	25.9	19.2	81.7	30.1	0.0	30.1	2.4
26	16.0	22.5	18.4	83.3	24.8	.6	25.4	.9
27	16.1	25.8	20.5	81.7	0.0	0.0	0.0	5.3
28	16.2	25.0	19.2	87.3	4.9	0.0	4.9	2.4
29	17.4	25.5	19.5	83.3	18.6	0.0	18.6	2.8
30	17.3	24.6	20.2	81.7	4.0	0.0	4.0	3.2
31								
Total :					289.4	33.4	322.8	99.3
Promedio :	16.5	25.5	19.7	83.9				

Estación : LA TRINIDAD  
Año : 1998

Dpto. : CAUCA  
Mpio. : PIENDAMO

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

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín.	Máx.	Med.		Día	Noche	Total	
1	17.2	25.0	19.5	81.0	13.2	.1	13.3	1.2
2	17.0	25.2	19.1	85.7	.5	9.2	9.7	1.7
3	16.8	22.9	18.4	86.7	21.5	.1	21.6	.3
4	15.2	22.0	18.0	83.7	.2	.2	.4	.1
5	15.4	25.0	19.0	82.3	1.5	57.9	59.4	1.8
6	16.0	22.3	18.5	81.0	0.0	0.0	0.0	1.0
7	15.0	25.0	17.7	83.7	10.1	.2	10.3	4.7
8	15.2	25.1	19.6	79.3	1.8	.8	2.6	6.9
9	16.3	25.0	19.5	80.7	.1	0.0	.1	4.3
10	16.2	27.0	20.0	79.7	41.7	0.0	41.7	3.5
11	16.0	24.3	19.0	78.3	.8	.1	.9	1.7
12	16.5	25.2	19.6	82.0	.9	0.0	.9	3.2
13	15.2	28.0	21.7	78.7	0.0	0.0	0.0	9.4
14	16.0	26.2	20.6	76.7	0.0	0.0	0.0	3.8
15	15.4	23.0	19.4	88.7	0.0	0.0	0.0	2.6
16	14.0	27.2	19.8	76.7	0.0	0.0	0.0	6.4
17	15.0	25.1	19.3	72.0	0.0	0.0	0.0	5.5
18	15.2	27.4	20.8	47.3	0.0	0.0	0.0	4.8
19	14.0	28.0	21.5	55.3	0.0	0.0	0.0	8.3
20	15.2	30.3	23.3	49.3	0.0	0.0	0.0	9.8
21	14.5	28.6	22.4	56.7	0.0	0.0	0.0	8.2
22	15.2	28.7	21.4	64.7	0.0	0.0	0.0	8.1
23	16.0	27.3	20.6	66.3	1.0	0.0	1.0	4.8
24	17.0	27.5	21.1	75.0	0.0	0.0	0.0	2.7
25	16.5	24.2	19.7	81.3	.8	0.0	.8	.4
26	17.2	23.8	18.6	85.0	13.7	11.5	25.2	.8
27	16.0	21.2	17.7	90.0	9.0	21.6	30.6	.5
28	16.3	22.2	17.6	84.3	54.9	6.8	61.7	.4
29	15.0	23.2	18.2	75.3	5.4	0.0	5.4	.3
30	14.6	24.3	19.0	76.3	0.0	0.0	0.0	2.7
31	15.2	26.1	19.6	72.0	5.1	.3	5.4	2.8
Total :				76.0	182.2	108.8	291.0	112.7
Promedio :	15.7	25.4	19.7					
Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín.	Máx.	Med.		Día	Noche	Total	
1	16.2	23.2	18.3	82.0	2.3	.8	3.1	.5
2	15.3	24.3	18.6	82.3	8.9	0.0	8.9	3.8
3	16.0	24.2	18.2	82.3	8.0	0.0	8.0	1.7
4	15.0	25.4	19.8	73.0	9.9	0.0	9.9	5.5
5	15.2	26.0	20.0	69.3	0.0	0.0	0.0	6.1
6	14.2	26.2	19.9	70.0	0.0	0.0	0.0	7.6
7	15.0	24.4	19.8	75.0	4.1	0.0	4.1	3.6
8	15.3	24.0	18.0	85.0	3.5	1.4	4.9	1.1
9	16.4	24.6	20.0	74.0	0.0	0.0	0.0	5.9
10	17.0	26.8	19.5	76.7	.3	0.0	.3	3.8
11	14.5	26.0	20.0	74.7	0.0	0.0	0.0	5.6
12	15.5	28.4	21.7	52.3	0.0	0.0	0.0	6.8
13	15.7	28.9	22.3	47.3	0.0	0.0	0.0	7.6
14	15.2	27.1	21.4	63.3	.4	.2	.6	4.7
15	16.1	21.4	18.1	85.0	.9	0.0	.9	0.0
16	15.2	25.2	19.0	74.3	0.0	0.0	0.0	6.2
17	15.0	26.0	20.4	71.3	0.0	0.0	0.0	6.9
18	14.8	24.0	19.8	75.3	0.0	0.0	0.0	2.1
19	16.0	25.2	19.9	75.7	2.0	0.0	2.0	2.7
20	15.1	24.0	20.2	82.7	15.0	0.0	15.0	2.2
21	16.8	24.8	19.4	77.0	.1	0.0	.1	2.4
22	15.4	24.3	19.4	78.0	3.8	0.0	3.8	3.3
23	16.0	25.0	19.1	76.3	1.9	0.0	1.9	2.5
24	15.1	25.1	19.9	71.7	0.0	0.0	0.0	3.2
25	15.2	27.4	20.9	71.7	0.0	0.0	0.0	9.0
26	16.6	26.3	19.9	77.0	.3	0.0	.3	4.5
27	17.0	24.0	18.9	85.0	2.9	0.0	2.9	4.1
28	16.0	24.5	19.1	76.7	0.0	0.0	0.0	2.8
29	17.2	27.8	21.1	62.0	0.0	0.0	0.0	6.2
30	13.4	28.0	21.9	40.0	0.0	0.0	0.0	10.7
31				72.9	64.3	2.4	66.7	133.1
Total :								
Promedio :	15.6	25.4	19.8					

Estación : LA TRINIDAD  
Año : 1998

Dpto. : CAUCA  
Mpio. : PIENDAMO

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

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.4	29.0	21.6	45.0	0.0	0.0	0.0	7.5
2	14.2	26.3	19.8	68.0	0.0	0.0	0.0	3.7
3	16.0	24.0	19.8	74.3	1.3	3.9	5.2	2.5
4	15.9	23.4	18.0	82.7	2.6	8.4	11.0	1.4
5	15.4	23.2	18.1	82.7	10.0	0.0	10.0	2.3
6	15.2	24.8	18.8	78.3	9.8	0.0	9.8	2.1
7	14.3	24.3	19.0	75.3	0.0	0.0	0.0	4.3
8	14.2	22.4	18.8	74.3	0.0	0.0	0.0	2.6
9	15.4	23.8	17.8	79.3	5.5	0.0	5.5	.9
10	15.2	25.2	20.1	76.0	.6	0.0	.6	5.8
11	14.2	28.0	20.7	64.0	0.0	0.0	0.0	4.5
12	15.4	26.2	19.6	66.7	0.0	0.0	0.0	6.1
13	15.0	27.4	20.0	73.0	0.0	0.0	0.0	7.6
14	13.2	26.3	20.5	43.0	0.0	0.0	0.0	3.8
15	13.7	25.0	18.9	64.3	20.0	0.0	20.0	3.5
16	14.0	26.0	18.2	72.7	2.2	0.0	2.2	3.8
17	15.1	24.1	17.5	78.0	8.2	0.0	8.2	1.3
18	15.0	23.5	18.4	77.0	0.0	.8	.8	2.1
19	14.6	24.5	18.6	77.7	7.7	0.0	7.7	3.1
20	15.1	27.0	20.5	59.7	0.0	0.0	0.0	4.4
21	13.4	27.4	20.5	60.0	0.0	0.0	0.0	8.4
22	15.3	23.5	18.5	79.3	2.5	.3	2.8	2.0
23	15.2	25.2	18.2	75.7	.2	0.0	.2	3.2
24	14.2	24.5	19.9	75.3	1.6	0.0	1.6	4.6
25	14.7	25.0	19.4	70.7	0.0	0.0	0.0	4.1
26	15.2	26.4	19.9	65.7	1.8	0.0	1.8	4.7
27	14.0	27.3	21.0	57.0	0.0	0.0	0.0	6.0
28	14.1	25.2	19.2	72.7	.7	0.0	.7	5.7
29	15.3	26.2	20.6	74.3	0.0	0.0	0.0	5.3
30	15.1	25.5	20.5	57.3	0.0	0.0	0.0	4.5
31	13.7	26.4	19.5	66.0	0.0	0.0	0.0	5.6
Total :					74.7	13.4	88.1	127.4
Promedio :	14.7	25.4	19.4	69.9				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.0	26.0	20.7	61.0	0.0	0.0	0.0	1.9
2	14.9	29.0	22.6	44.7	0.0	0.0	0.0	9.2
3	16.0	28.1	21.2	68.3	0.0	0.0	0.0	6.6
4	15.2	25.0	19.5	79.0	.3	0.0	.3	2.3
5	16.2	25.4	20.0	75.7	0.0	23.4	23.4	4.8
6	15.0	20.0	16.8	89.7	18.9	.4	19.3	0.0
7	15.0	22.3	17.4	80.0	2.2	0.0	2.2	1.2
8	14.4	24.2	18.6	76.7	0.0	0.0	0.0	3.5
9	14.0	26.5	20.3	62.7	0.0	0.0	0.0	9.1
10	14.0	26.2	18.7	74.7	.7	.2	.9	6.1
11	15.0	27.4	21.1	66.3	0.0	0.0	0.0	7.8
12	14.6	25.0	19.4	64.0	0.0	0.0	0.0	5.7
13	14.4	24.3	19.0	77.3	0.0	0.0	0.0	3.9
14	14.1	24.0	17.2	78.7	33.5	16.1	49.6	3.6
15	13.6	23.0	17.8	79.7	1.3	0.0	1.3	3.0
16	14.0	25.8	20.1	70.0	.1	0.0	.1	5.5
17	13.1	25.1	19.4	66.3	0.0	0.0	0.0	3.0
18	14.3	25.0	20.0	71.3	0.0	0.0	0.0	6.7
19	15.0	24.0	18.5	75.7	0.0	2.7	2.7	1.3
20	14.2	25.1	20.0	71.3	3.7	2.2	5.9	8.0
21	15.0	24.9	19.8	68.0	0.0	0.0	0.0	6.8
22	15.0	26.1	20.6	67.7	0.0	2.6	2.6	6.0
23	14.1	27.6	20.8	49.0	0.0	0.0	0.0	8.7
24	13.8	27.0	21.2	63.0	5.7	0.0	5.7	2.1
25	15.9	23.1	18.2	83.7	1.5	2.6	4.1	8.3
26	16.0	22.3	17.5	81.7	32.0	0.0	32.0	1.1
27	15.1	25.0	19.7	74.3	0.0	0.0	0.0	5.1
28	15.0	26.0	18.8	72.7	0.0	0.0	0.0	4.4
29	13.6	26.2	20.2	61.3	0.0	0.0	0.0	7.1
30	16.0	25.7	19.1	69.7	1.9	0.0	1.9	4.7
31	14.8	23.6	19.4	62.0	0.0	0.0	0.0	.8
Total :					101.8	50.2	152.0	148.3
Promedio :	14.7	25.1	19.5	70.5				

Estación : LA TRINIDAD  
Año : 1998

Dpto. : CAUCA  
Mpio. : PIENDAMO

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.0	26.0	20.0	59.7	0.0	0.0	0.0	4.9
2	15.0	25.8	19.6	75.0	3.2	0.0	3.2	5.1
3	15.4	20.0	17.0	88.3	.3	0.0	.3	.3
4	14.2	23.0	18.5	73.0	0.0	0.0	0.0	2.4
5	15.2	25.0	19.6	68.0	0.0	0.0	0.0	5.4
6	14.0	26.2	21.0	64.7	0.0	0.0	0.0	8.9
7	15.8	25.0	18.8	74.3	10.6	0.0	10.6	1.6
8	15.8	21.0	17.6	84.7	1.1	.8	1.9	.2
9	15.4	24.4	18.8	75.7	0.0	0.0	0.0	3.3
10	15.6	24.5	17.7	78.0	14.3	0.0	14.3	1.5
11	14.8	24.2	18.5	72.0	0.0	3.2	3.2	4.9
12	15.4	20.8	17.6	87.0	2.8	0.0	2.8	0.0
13	15.0	24.1	19.4	71.3	.4	.3	.7	2.1
14	15.5	27.4	20.9	66.3	0.0	0.0	0.0	5.3
15	15.0	23.7	18.8	77.0	0.0	0.0	0.0	2.4
16	15.0	27.3	20.1	67.3	4.2	.2	4.4	6.8
17	14.4	25.4	18.9	71.0	0.0	0.0	0.0	5.3
18	13.9	25.8	20.2	65.0	0.0	0.0	0.0	6.5
19	16.0	21.4	18.3	74.3	.7	0.0	.7	1.7
20	13.3	26.0	19.8	63.0	0.0	0.0	0.0	6.1
21	15.4	24.3	18.4	78.3	14.4	0.0	14.4	2.3
22	14.8	25.2	18.4	77.3	12.8	14.2	27.0	3.6
23	14.7	23.2	18.2	77.7	0.0	0.0	0.0	3.5
24	14.0	25.8	19.8	63.7	0.0	0.0	0.0	7.1
25	13.9	25.1	19.9	66.0	0.0	0.0	0.0	4.8
26	16.0	22.0	17.6	86.0	9.5	30.0	39.5	5.8
27	14.8	24.2	19.0	76.3	.1	0.0	.1	1.2
28	15.8	25.3	19.4	73.7	.2	.2	.4	4.3
29	15.0	26.0	20.2	69.7	1.7	0.0	1.7	7.8
30	14.9	27.9	21.5	65.7	0.0	0.0	0.0	5.4
31								
Total :					76.3	48.9	125.2	120.5
Promedio :	14.9	24.5	19.1	73.0				

Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.3	28.0	21.6	58.3	0.0	0.0	0.0	7.2
2	15.4	26.3	20.5	69.3	0.0	0.0	0.0	4.8
3	15.2	25.1	18.8	68.7	.9	0.0	.9	4.0
4	14.2	26.0	20.7	61.7	0.0	0.0	0.0	8.4
5	15.8	26.3	19.6	74.7	5.0	0.0	5.0	6.7
6	16.8	23.2	18.8	82.3	2.0	7.5	9.5	1.8
7	16.0	22.0	18.0	86.3	1.2	0.0	1.2	1.2
8	15.0	24.0	19.6	74.0	0.0	0.0	0.0	3.3
9	16.0	22.9	19.8	75.0	0.0	0.0	0.0	0.0
10	13.1	27.2	21.5	51.3	0.0	0.0	0.0	9.5
11	13.8	27.0	21.1	63.0	0.0	0.0	0.0	6.3
12	15.0	26.0	19.3	73.0	1.2	.7	1.9	5.2
13	15.0	24.4	18.8	69.7	0.0	0.0	0.0	5.5
14	14.0	26.2	19.0	68.0	0.0	0.0	0.0	5.9
15	15.0	25.1	18.8	74.7	4.4	.9	5.3	3.2
16	14.5	22.3	18.0	82.0	.2	0.0	.2	.9
17	14.0	25.3	18.7	67.0	2.2	21.2	23.4	2.8
18	14.2	25.5	18.6	78.0	2.5	2.5	5.0	5.8
19	15.8	24.5	18.2	81.7	11.9	1.3	13.2	3.4
20	16.0	23.6	19.4	74.3	0.0	0.0	0.0	4.3
21	15.4	24.4	18.3	78.3	2.9	0.0	2.9	4.3
22	13.0	24.0	17.1	81.3	7.6	0.0	7.6	2.4
23	14.0	22.3	17.7	82.0	19.5	5.9	25.4	3.7
24	14.5	22.1	18.0	83.7	.3	23.7	24.0	1.7
25	14.1	22.2	18.1	84.0	.2	0.0	.2	3.0
26	15.6	23.7	17.9	79.7	33.4	1.3	34.7	1.5
27	14.5	24.3	19.1	74.7	0.0	2.0	2.0	7.0
28	16.0	24.7	18.8	74.7	0.0	0.0	0.0	4.2
29	16.4	25.0	18.7	75.0	0.0	0.0	0.0	3.9
30	16.8	23.9	18.6	81.0	0.0	0.0	0.0	1.9
31	15.0	24.0	18.7	75.7	0.0	27.9	27.9	3.1
Total :					95.4	94.9	190.3	126.9
Promedio :	15.0	24.6	19.0	74.3				

Estación : LA TRINIDAD  
Año : 1998

Dpto. : CAUCA  
Mpio. : PIENDAMO

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

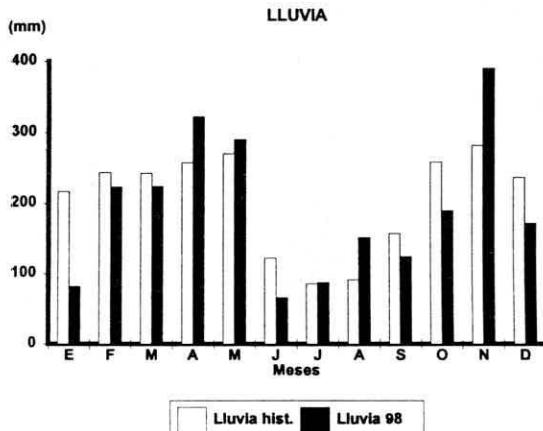
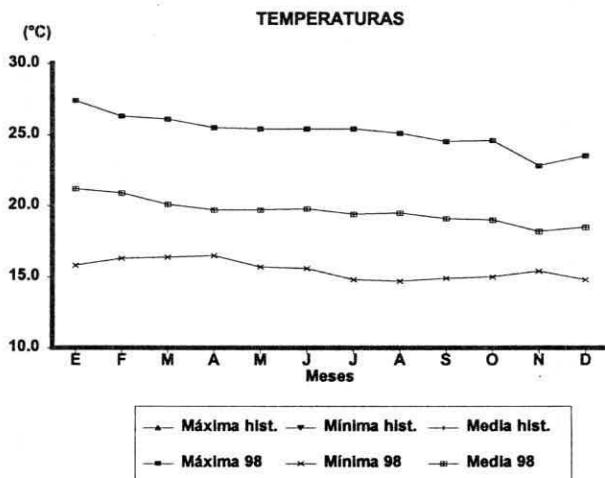
Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.8	24.3	19.6	71.3	0.0	83.0	83.0	4.1
2	14.9	25.0	18.5	75.7	3.4	11.2	14.6	4.7
3	16.0	24.0	18.4	74.0	.3	0.0	.3	3.6
4	16.1	23.0	17.9	80.7	5.3	2.9	8.2	1.0
5	15.5	23.6	17.7	80.0	36.6	1.4	38.0	3.4
6	14.5	22.0	16.4	83.7	4.0	0.0	4.0	.5
7	14.6	22.3	18.2	81.3	0.0	4.0	4.0	1.7
8	16.0	22.3	17.7	81.3	6.2	0.0	6.2	2.2
9	15.6	24.2	18.7	78.3	0.0	45.3	45.3	4.5
10	15.0	23.0	18.1	78.0	1.6	0.0	1.6	1.5
11	15.2	24.3	19.5	76.0	0.0	4.2	4.2	5.3
12	16.2	23.2	17.8	79.7	2.7	10.9	13.6	.9
13	16.1	24.2	19.3	77.3	.1	27.4	27.5	4.8
14	15.4	23.2	19.2	73.0	.1	0.0	.1	2.7
15	16.4	23.0	19.0	79.7	.1	.4	.5	.8
16	15.9	23.7	19.1	81.0	0.0	0.0	0.0	4.0
17	16.2	21.0	17.5	89.7	16.2	0.0	16.2	0.0
18	15.7	23.2	19.4	74.3	.1	0.0	.1	1.2
19	14.5	23.8	18.4	79.3	2.0	0.0	2.0	4.6
20	16.2	22.9	18.4	86.0	0.0	3.3	3.3	2.9
21	16.1	20.1	17.4	93.3	23.7	18.2	41.9	.3
22	15.1	20.3	16.3	88.3	0.0	0.0	0.0	.5
23	14.3	24.3	19.2	69.0	0.0	.2	.2	6.2
24	15.1	24.0	17.7	78.3	1.9	20.6	22.5	1.9
25	14.2	21.1	17.0	80.7	0.0	.5	.5	1.1
26	15.4	22.1	17.9	81.7	4.1	8.5	12.6	1.2
27	16.0	20.4	16.5	93.0	25.1	.5	25.6	.2
28	15.4	20.0	16.9	87.0	11.3	.7	12.0	.8
29	15.0	23.0	18.2	79.3	0.0	0.0	0.0	4.0
30	15.4	24.0	19.1	72.7	0.0	2.8	2.8	6.3
31								
Total :					144.8	246.0	390.8	76.9
Promedio :	15.4	22.9	18.2	80.1				
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	24.2	19.0	73.0	0.0	31.6	31.6	4.4
2	15.0	21.3	18.6	80.3	0.0	0.0	0.0	1.6
3	14.0	24.3	19.1	68.7	0.0	.9	.9	7.6
4	15.1	24.1	18.2	76.0	0.0	0.0	0.0	4.2
5	14.5	25.0	19.2	74.0	0.0	22.0	22.0	4.7
6	15.0	23.0	18.6	79.0	0.0	1.5	1.5	7.2
7	16.0	23.2	18.9	77.7	.5	10.1	10.6	3.3
8	14.1	24.0	17.8	76.0	.2	1.3	1.5	6.3
9	14.0	24.2	19.4	69.3	0.0	11.7	11.7	7.1
10	15.0	23.2	17.8	73.0	0.0	1.4	1.4	1.6
11	15.1	22.4	18.4	78.3	0.0	0.0	0.0	.2
12	15.0	22.3	18.2	75.7	.1	.3	.4	1.7
13	15.2	22.0	18.0	82.7	0.0	0.0	0.0	1.7
14	15.0	24.3	18.2	78.7	5.1	.3	5.4	3.7
15	16.1	23.4	18.3	85.3	0.0	0.0	0.0	1.5
16	14.2	23.3	18.8	78.0	1.3	0.0	1.3	2.0
17	15.0	23.2	17.0	81.3	9.4	0.0	9.4	1.3
18	14.0	23.3	17.9	77.7	0.0	0.0	0.0	3.0
19	15.0	24.9	19.6	69.3	0.0	0.0	0.0	7.9
20	14.0	24.0	17.4	74.7	.4	.5	.9	5.6
21	14.8	24.1	18.6	72.7	0.0	0.0	0.0	4.7
22	15.0	23.0	18.4	74.7	0.0	0.0	0.0	5.2
23	14.8	24.2	20.2	69.0	0.0	6.8	6.8	6.3
24	14.0	24.3	17.2	79.3	3.3	0.0	3.3	6.4
25	13.0	22.1	18.4	77.7	0.0	0.0	0.0	2.9
26	14.8	23.4	18.9	74.0	0.0	19.6	19.6	3.0
27	15.0	24.1	18.1	78.3	0.0	0.0	0.0	4.2
28	14.4	24.2	19.2	73.3	0.0	41.3	41.3	4.2
29	15.4	23.0	18.2	79.7	1.8	.6	2.4	3.3
30	15.0	24.2	18.8	77.0	0.0	0.0	0.0	3.0
31	16.0	23.8	19.6	74.0	0.0	.2	.2	2.2
Total :					22.1	150.1	172.2	122.0
Promedio :	14.8	23.5	18.5	76.1				

Estación : LA TRINIDAD  
Año : 1998

Dpto. : CAUCA  
Mpio. : PIENDAMO

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

MES	TEMPERATURA °C					Hum. Rel. (%)	PRECIPITACION		
	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.		Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	15.8	27.4	21.2	30.1	14.2	70.5	82.2	10	184.7
Febrero	16.3	26.3	20.9	29.2	13.9	75.5	223.2	13	125.0
Marzo	16.4	26.1	20.1	29.0	15.0	81.0	224.0	21	103.6
Abril	16.5	25.5	19.7	27.8	15.0	83.9	322.8	27	99.3
Mayo	15.7	25.4	19.7	30.3	14.0	76.0	291.0	18	112.7
Junio	15.6	25.4	19.8	28.9	13.4	72.9	66.7	16	133.1
Julio	14.8	25.4	19.4	29.0	13.2	69.9	88.1	16	127.4
Agosto	14.7	25.1	19.5	29.0	13.1	70.5	152.0	15	148.3
Septiembre	14.9	24.5	19.1	27.9	13.3	73.0	125.2	16	120.5
Octubre	15.0	24.6	19.0	28.0	13.0	74.3	190.3	18	126.9
Noviembre	15.4	22.8	18.2	25.0	14.2	80.1	390.8	27	76.9
Diciembre	14.8	23.5	18.5	25.0	13.0	76.1	172.2	19	122.0
Promedio :	15.5	25.2	19.6			75.3			
Absoluta :				30.3	13.0				
Total :							2328.5	216	1480.4



Estación : MANUEL MEJIA  
Año : 1998

Dpto. : CAUCA  
Mpio. : EL TAMBO

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	13.0	25.5	19.8	76.3	0.0	0.0	0.0	7.0
2	11.7	26.5	20.3	56.0	0.0	0.0	0.0	10.3
3	11.5	28.5	21.1	58.0	0.0	0.0	0.0	10.8
4	15.5	28.4	23.5	49.0	0.0	0.0	0.0	10.3
5	12.9	27.8	21.3	64.0	0.0	0.0	0.0	8.4
6	13.0	26.5	19.5	78.7	0.0	0.0	0.0	1.3
7	15.0	25.3	19.2	82.3	6.5	1.3	7.8	2.5
8	16.0	27.2	21.5	75.0	0.0	0.0	0.0	7.0
9	15.2	26.4	20.3	76.7	0.0	0.0	0.0	8.5
10	13.2	28.1	21.2	72.7	0.0	0.0	0.0	0.0
11	14.8	28.4	21.2	73.7	0.0	0.0	0.0	7.8
12	14.5	27.5	19.4	81.7	2.2	0.0	2.2	4.7
13	16.0	22.5	18.9	84.7	0.0	0.0	0.0	3.4
14	14.5	25.5	20.0	78.0	0.0	0.0	0.0	5.5
15	15.5	27.5	21.2	75.7	0.0	0.0	0.0	9.6
16	13.5	26.5	21.1	75.3	0.0	6.4	6.4	5.4
17	16.5	26.2	20.8	78.7	0.0	0.0	0.0	5.0
18	16.0	27.0	21.5	77.0	0.0	0.0	0.0	5.8
19	16.5	28.8	20.6	77.7	2.6	0.0	2.6	7.5
20	16.8	27.4	22.0	72.0	.1	0.0	.1	7.3
21	15.5	26.5	21.8	70.3	0.0	0.0	0.0	5.3
22	16.5	25.5	20.8	76.0	0.0	0.0	0.0	3.1
23	14.0	28.7	22.3	71.3	0.0	0.0	0.0	9.2
24	13.0	29.0	20.3	67.3	0.0	0.0	0.0	9.4
25	12.8	28.9	20.8	69.7	0.0	0.0	0.0	8.8
26	17.0	26.0	20.4	71.3	0.0	0.0	0.0	6.9
27	12.5	27.5	21.1	70.7	0.0	0.0	0.0	6.7
28	14.8	26.5	21.5	75.3	0.0	0.0	0.0	4.2
29	15.0	28.5	21.5	70.7	0.0	0.0	0.0	8.3
30	16.0	27.5	22.2	69.7	0.0	0.0	0.0	6.0
31	13.0	28.2	21.2	66.0	0.0	0.0	0.0	7.1
Total :					11.4	7.7	19.1	
Promedio :	14.6	27.1	20.9	72.3				203.1

Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	12.5	29.6	22.0	61.3	0.0	0.0	0.0	8.8
2	16.5	25.8	20.2	79.0	0.0	0.0	0.0	1.8
3	14.5	27.5	20.8	67.7	0.0	.1	.1	3.5
4	16.0	29.5	22.5	70.3	0.0	0.0	0.0	7.0
5	17.5	26.0	20.8	78.7	.1	0.0	.1	3.3
6	16.5	28.7	22.0	69.7	0.0	15.8	15.8	6.0
7	18.0	26.5	20.8	80.7	0.0	5.1	5.1	1.7
8	17.0	23.5	19.3	87.0	18.5	25.9	44.4	1.5
9	16.0	23.8	19.2	83.3	0.0	.8	.8	3.7
10	16.9	21.5	18.8	89.0	.2	0.0	.2	0.0
11	17.0	22.0	18.6	88.7	0.0	1.4	1.4	.4
12	16.5	25.5	20.0	79.0	.3	0.0	.3	2.9
13	15.0	27.0	22.2	65.3	0.0	0.0	0.0	9.3
14	16.0	26.5	19.2	80.3	16.0	0.0	16.0	3.3
15	14.0	28.8	21.2	73.7	0.0	0.0	0.0	8.2
16	15.0	28.9	22.6	57.0	0.0	0.0	0.0	9.7
17	13.5	28.5	22.1	61.3	0.0	0.0	0.0	10.0
18	16.3	26.0	20.6	81.7	.5	0.0	.5	3.3
19	16.5	26.9	21.0	78.7	2.7	2.5	5.2	6.0
20	17.0	22.0	18.8	88.7	6.4	0.0	6.4	0.0
21	15.0	26.5	21.2	76.0	0.0	0.0	0.0	8.1
22	15.8	28.2	20.4	77.0	0.0	0.0	0.0	8.1
23	16.7	25.0	21.4	80.0	.3	0.0	.3	4.0
24	16.5	24.0	19.9	87.3	0.0	0.0	0.0	2.9
25	16.8	25.9	21.1	79.7	0.0	0.0	0.0	3.6
26	14.5	26.0	19.6	82.0	0.0	0.0	0.0	7.6
27	15.5	25.5	20.2	80.3	0.0	0.0	0.0	4.4
28	16.0	27.8	20.4	81.7	2.3	0.0	2.3	4.7
29								
30								
31								
Total :					47.3	51.6	98.9	133.8
Promedio :	15.9	26.2	20.6	77.3				

Estación : MANUEL MEJIA  
Año : 1998

Dpto. : CAUCA  
Mpio. : EL TAMBO

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.5	25.5	19.2	87.3	4.9	0.0	4.9	3.9
2	17.0	24.0	18.6	85.7	0.0	0.0	0.0	.6
3	14.5	26.5	21.2	68.3	0.0	0.0	0.0	7.9
4	15.5	26.0	21.1	70.7	0.0	0.0	0.0	4.5
5	13.7	25.5	19.8	80.7	0.0	.1	.1	2.4
6	15.5	26.0	20.2	83.0	1.0	0.0	1.0	2.4
7	16.0	22.5	19.6	91.3	4.4	0.0	4.4	.6
8	15.0	24.0	19.5	80.7	0.0	0.0	0.0	2.3
9	14.5	26.5	20.3	76.0	0.0	0.0	0.0	4.0
10	15.5	25.5	20.4	80.7	0.0	0.0	0.0	4.1
11	16.5	24.8	20.1	82.0	1.1	0.0	1.1	1.9
12	15.0	27.5	21.3	75.3	0.0	0.0	0.0	6.3
13	15.6	27.0	21.0	78.3	0.0	0.0	0.0	7.2
14	16.5	27.9	20.0	78.3	6.0	4.0	10.0	7.1
15	14.8	25.5	21.0	76.7	0.0	0.0	0.0	5.3
16	17.0	26.0	20.9	78.0	.3	0.0	.3	4.6
17	17.8	26.5	21.3	77.0	0.0	0.0	0.0	5.3
18	16.0	27.2	21.4	69.3	0.0	0.0	0.0	4.8
19	14.0	29.6	21.8	64.3	0.0	0.0	0.0	6.2
20	15.5	23.0	19.4	89.7	0.0	0.0	0.0	.3
21	16.8	26.5	21.0	80.7	0.0	0.0	0.0	3.1
22	14.0	28.0	20.8	74.3	0.0	.1	.1	5.4
23	17.5	22.5	19.5	87.7	2.1	2.5	4.6	.5
24	16.5	24.5	19.8	86.3	4.2	0.0	4.2	3.5
25	16.2	26.5	21.2	75.7	0.0	0.0	0.0	7.0
26	14.8	28.0	20.8	76.0	3.5	0.0	3.5	6.4
27	17.0	27.8	20.6	76.3	.1	27.3	27.4	2.3
28	17.1	24.0	20.0	88.7	0.0	8.1	8.1	1.3
29	16.8	24.5	20.1	88.0	3.2	34.0	37.2	3.5
30	17.5	25.5	20.0	83.7	4.8	34.0	38.8	3.4
31	17.0	26.0	19.9	81.0	0.0	70.7	70.7	5.0
Total :					35.6	180.8	216.4	123.1
Promedio :	15.9	25.8	20.4	79.7				

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitacion ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	25.0	19.8	85.7	2.4	0.0	2.4	2.8
2	16.0	26.5	20.4	81.3	25.8	.9	26.7	4.7
3	17.5	23.7	19.6	92.3	1.1	0.0	1.1	1.5
4	17.5	26.0	19.5	81.0	7.7	0.0	7.7	2.6
5	13.5	25.5	20.2	80.7	0.0	.1	.1	5.8
6	17.5	25.0	20.8	81.0	.8	2.2	3.0	3.0
7	15.5	25.8	19.8	84.0	0.0	1.0	1.0	4.1
8	17.0	23.5	20.2	87.3	0.0	0.0	0.0	2.3
9	17.6	24.0	20.0	88.7	5.5	0.0	5.5	1.3
10	15.5	23.5	19.7	83.3	0.0	0.0	0.0	3.4
11	18.0	23.0	19.8	86.7	5.2	25.8	31.0	.7
12	16.5	24.4	19.9	83.7	0.0	0.0	0.0	4.3
13	15.0	24.5	19.6	86.0	.4	0.0	.4	2.7
14	16.0	26.5	19.6	81.7	.9	0.0	.9	4.3
15	14.5	27.0	20.3	79.0	0.0	0.0	0.0	4.8
16	17.5	26.8	20.9	80.7	.4	18.7	19.1	3.6
17	17.0	25.6	20.1	80.3	0.0	0.0	0.0	4.5
18	18.0	25.5	21.0	82.3	12.1	3.9	16.0	5.2
19	17.5	21.5	19.6	92.7	1.1	2.6	3.7	1.1
20	16.5	26.0	20.4	84.3	0.0	.1	.1	2.1
21	16.8	24.5	20.4	85.3	1.2	0.0	1.2	3.7
22	15.5	25.5	20.8	84.3	0.0	0.0	0.0	4.7
23	18.0	23.7	20.4	87.3	.1	0.0	.1	.6
24	15.0	26.8	20.1	82.7	7.2	.9	8.1	2.7
25	16.5	25.0	21.0	81.0	0.0	0.0	0.0	4.2
26	18.0	24.0	19.8	84.7	3.0	0.0	3.0	1.4
27	17.2	27.0	20.3	79.7	1.2	0.0	1.2	5.1
28	17.5	23.5	20.0	84.0	.2	.9	1.1	3.4
29	18.4	24.5	20.4	88.7	0.0	2.1	2.1	4.3
30	18.5	24.9	20.4	88.0	0.0	0.0	0.0	1.5
Total :					76.3	59.2	135.5	96.4
Promedio :	16.8	25.0	20.2	84.3				

Estación : MANUEL MEJIA  
Año : 1998

Dpto. : CAUCA  
Mpio. : EL TAMBO

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

Mayo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.5	25.0	19.2	84.0	.6	0.0	.6	2.4
2	16.2	24.4	20.0	83.7	.4	14.6	15.0	1.0
3	16.4	21.0	18.0	91.0	7.5	4.1	11.6	0.0
4	15.0	19.4	17.0	94.3	3.0	0.0	3.0	.3
5	15.2	25.4	19.1	83.7	6.7	14.6	21.3	2.9
6	16.0	20.8	18.2	87.0	0.0	0.0	0.0	0.0
7	15.2	25.2	18.8	80.0	.5	5.4	5.9	5.3
8	15.6	26.8	20.4	79.0	0.0	0.0	0.0	5.8
9	17.0	26.0	20.8	86.7	0.0	0.0	0.0	5.3
10	14.8	26.2	19.8	81.3	13.0	0.0	13.0	6.3
11	16.2	24.2	19.6	82.7	7.6	15.8	23.4	2.8
12	16.8	24.8	19.4	85.7	13.8	0.0	13.8	2.1
13	14.4	25.8	20.0	74.3	0.0	0.0	0.0	6.7
14	13.0	26.4	20.4	81.7	0.0	0.0	0.0	4.9
15	14.8	23.2	18.8	83.7	0.0	0.0	0.0	.4
16	13.8	26.0	21.8	66.7	0.0	0.0	0.0	9.1
17	14.4	27.4	21.2	73.3	0.0	.2	.2	7.7
18	15.8	25.2	20.2	69.3	0.0	0.0	0.0	6.4
19	11.6	26.6	21.2	58.0	0.0	0.0	0.0	8.8
20	10.8	27.4	22.0	55.3	0.0	0.0	0.0	11.1
21	12.8	27.8	22.8	53.3	0.0	0.0	0.0	8.6
22	13.2	27.0	20.5	62.7	0.0	0.0	0.0	8.0
23	16.2	26.0	20.8	66.0	0.0	0.0	0.0	7.0
24	15.2	25.8	21.0	77.7	0.0	0.0	0.0	3.8
25	14.6	25.2	20.2	80.3	0.0	0.0	0.0	2.4
26	17.0	23.0	18.8	93.3	17.5	24.0	41.5	1.0
27	16.0	22.6	18.8	87.3	.4	8.0	8.4	1.6
28	15.6	21.4	17.8	90.0	16.2	11.2	27.4	1.8
29	14.0	23.0	17.6	84.0	5.9	0.0	5.9	.6
30	12.6	24.4	18.7	89.3	0.0	1.8	1.8	3.3
31	13.8	24.6	20.0	86.0	0.0	19.0	19.0	3.0
Total :					93.1	118.7	211.8	
Promedio :	14.9	24.8	19.8	79.1				130.4

Junio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.6	21.8	18.8	86.7	2.6	0.0	2.6	1.7
2	15.8	23.8	18.8	81.7	1.4	.2	1.6	5.4
3	15.4	25.0	20.1	71.3	0.0	0.0	0.0	3.2
4	13.2	25.6	20.7	66.7	0.0	0.0	0.0	8.2
5	14.8	25.2	20.4	70.7	0.0	0.0	0.0	5.2
6	13.0	25.8	20.0	71.0	0.0	0.0	0.0	7.1
7	14.4	24.4	20.2	76.0	0.0	0.0	0.0	1.6
8	15.0	23.6	18.7	91.0	4.2	.2	4.4	2.4
9	16.4	25.0	19.4	87.3	1.0	0.0	1.0	4.0
10	16.0	24.4	19.9	81.0	0.0	0.0	0.0	2.2
11	12.6	26.2	18.3	85.7	.1	0.0	.1	3.8
12	16.0	27.8	21.4	59.3	0.0	0.0	0.0	6.5
13	15.4	26.4	21.8	54.7	0.0	0.0	0.0	5.5
14	16.2	25.4	20.3	72.3	0.0	0.0	0.0	3.5
15	16.6	22.2	19.0	79.7	0.0	0.0	0.0	.1
16	14.4	26.0	19.8	75.3	0.0	0.0	0.0	4.2
17	13.2	25.8	19.7	73.3	0.0	0.0	0.0	6.6
18	12.8	24.8	19.9	71.0	0.0	0.0	0.0	3.5
19	15.6	25.0	19.0	84.3	0.0	0.0	0.0	1.7
20	13.0	24.8	19.6	78.3	0.0	0.0	0.0	2.8
21	15.8	23.2	18.4	85.3	.2	0.0	.2	1.3
22	15.0	23.0	18.8	82.3	0.0	0.0	0.0	1.8
23	15.8	25.0	18.2	90.3	1.2	0.0	1.2	3.2
24	12.2	25.4	19.1	78.0	0.0	0.0	0.0	4.1
25	14.8	25.6	21.4	72.3	0.0	0.0	0.0	3.8
26	15.6	24.2	19.4	81.3	.4	.3	.7	.6
27	15.9	24.8	20.4	76.3	0.0	0.0	0.0	2.3
28	14.8	23.6	18.8	85.3	3.8	0.0	3.8	1.8
29	13.2	25.4	20.4	62.7	0.0	0.0	0.0	3.5
30	11.4	27.4	21.8	42.7	0.0	0.0	0.0	8.8
Total :					14.9	.7	15.6	
Promedio :	14.7	24.9	19.7	75.8				110.4

Estación : MANUEL MEJIA  
Año : 1998

Dpto. : CAUCA  
Mpio. : EL TAMBO

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

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	12.0	26.2	20.2	61.3	0.0	0.0	0.0	6.7
2	14.4	26.4	22.2	60.0	0.0	0.0	0.0	5.9
3	14.6	24.2	19.4	82.0	11.2	0.0	11.2	3.0
4	15.6	24.6	18.9	83.0	2.1	16.3	18.4	3.6
5	15.4	22.8	18.9	81.0	0.0	0.0	0.0	2.9
6	14.4	23.2	19.0	77.7	0.0	0.0	0.0	2.5
7	12.6	23.4	18.4	77.3	0.0	0.0	0.0	3.7
8	15.6	24.0	18.8	84.0	0.0	.7	.7	2.7
9	16.0	23.0	19.2	83.0	0.0	0.0	0.0	2.9
10	14.0	26.4	19.3	78.0	.8	0.0	.8	7.3
11	15.0	26.4	21.8	64.0	0.0	0.0	0.0	4.1
12	15.4	24.4	19.2	82.0	0.0	0.0	0.0	4.6
13	13.4	27.0	20.5	58.3	0.0	0.0	0.0	11.1
14	10.2	25.0	19.5	60.7	0.0	0.0	0.0	6.7
15	9.6	23.8	19.2	71.0	.2	0.0	.2	4.6
16	11.8	23.0	17.8	83.0	4.5	0.0	4.5	2.7
17	14.6	22.2	18.9	83.0	1.4	.5	1.9	1.1
18	14.8	22.0	17.6	89.0	3.7	1.7	5.4	.8
19	14.8	24.6	18.6	80.7	3.5	0.0	3.5	4.7
20	13.6	24.0	21.4	59.7	0.0	0.0	0.0	5.0
21	12.0	26.0	20.4	60.0	0.0	0.0	0.0	8.1
22	14.0	23.4	19.4	80.0	.8	0.0	.8	1.5
23	14.4	25.0	19.4	78.7	0.0	0.0	0.0	4.0
24	14.0	23.0	19.1	77.0	.1	1.0	1.1	5.0
25	15.0	23.2	18.3	77.7	0.0	0.0	0.0	2.5
26	14.0	27.1	20.2	56.0	0.0	0.0	0.0	6.5
27	12.6	26.8	20.3	59.0	0.0	0.0	0.0	9.7
28	11.8	25.5	18.6	73.0	0.0	0.0	0.0	5.8
29	12.0	25.0	19.6	65.3	0.0	0.0	0.0	3.2
30	14.8	25.2	20.1	56.7	0.0	0.0	0.0	5.9
31	11.8	27.0	20.9	57.7	0.0	0.0	0.0	8.4
Total :	13.7	24.6	19.5	72.3	28.3	20.2	48.5	147.2
Promedio :								
Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	11.2	27.0	20.0	58.0	0.0	0.0	0.0	7.0
2	15.2	26.6	22.8	42.3	0.0	0.0	0.0	9.7
3	17.0	27.2	20.4	60.0	0.0	0.0	0.0	5.9
4	11.8	26.0	19.4	74.7	0.0	0.0	0.0	2.7
5	14.8	25.4	19.0	82.3	0.0	18.3	18.3	4.8
6	15.4	20.0	17.1	90.0	2.5	0.0	2.5	.2
7	14.2	22.5	16.6	90.0	2.9	0.0	2.9	1.3
8	12.4	23.0	17.7	82.7	3.0	.8	3.8	3.8
9	11.0	27.6	19.3	76.7	0.0	0.0	0.0	8.4
10	13.0	26.4	17.8	78.3	.2	.2	.4	6.1
11	15.0	25.4	20.8	63.3	0.0	0.0	0.0	6.1
12	13.8	24.4	19.0	66.0	0.0	0.0	0.0	4.6
13	12.0	24.5	18.4	76.3	0.0	0.0	0.0	5.4
14	13.8	24.2	17.7	79.3	.5	0.0	.5	4.5
15	13.2	24.0	17.6	81.3	0.0	0.0	0.0	3.0
16	12.0	24.8	20.3	60.3	0.0	0.0	0.0	6.2
17	11.8	24.4	18.2	69.7	0.0	.1	.1	1.5
18	12.0	26.0	19.2	76.0	0.0	19.5	19.5	5.3
19	16.0	24.0	18.0	84.0	4.3	0.0	4.3	2.1
20	14.6	26.0	19.6	79.7	.2	.5	.7	5.2
21	13.8	24.8	20.2	76.7	0.0	0.0	0.0	4.9
22	16.0	24.6	19.7	75.0	0.0	0.0	0.0	4.0
23	11.0	27.0	20.3	58.3	0.0	0.0	0.0	6.4
24	12.0	27.2	20.0	71.3	0.0	0.0	0.0	8.2
25	16.2	24.2	18.7	87.7	.4	.1	.5	4.3
26	16.0	25.0	18.3	81.7	.2	0.0	.2	3.0
27	14.6	24.6	18.2	89.0	1.9	0.0	1.9	3.1
28	13.2	24.0	17.4	79.3	0.0	0.0	0.0	3.6
29	11.8	25.2	19.5	68.7	0.0	0.0	0.0	5.5
30	15.4	26.2	21.0	60.3	0.0	0.0	0.0	5.0
31	14.8	26.4	20.7	52.3	0.0	0.0	0.0	4.5
Total :	13.7	25.1	19.1	73.3	16.1	39.5	55.6	146.3
Promedio :								

Estación : MANUEL MEJIA  
Año : 1998

Dpto. : CAUCA  
Mpio. : EL TAMBO

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	10.4	24.8	18.5	67.3	0.0	0.0	0.0	4.6
2	10.2	26.4	18.4	76.3	0.0	0.0	0.0	3.7
3	14.0	22.6	17.2	86.3	1.1	0.0	1.1	.3
4	12.4	23.6	17.8	77.7	0.0	0.0	0.0	3.1
5	14.2	26.0	18.7	80.0	.3	0.0	.3	3.4
6	11.4	26.8	19.0	76.7	8.4	.9	9.3	7.8
7	16.4	24.6	19.5	79.7	.2	0.0	.2	5.7
8	16.0	22.6	17.7	92.3	25.7	.3	26.0	.9
9	15.6	24.0	18.8	84.7	6.4	.2	6.6	4.1
10	16.2	22.6	17.5	93.0	2.5	0.0	2.5	2.2
11	14.8	24.4	18.4	80.0	1.4	1.0	2.4	4.0
12	15.4	22.8	18.2	82.7	.9	.3	1.2	1.5
13	15.0	23.8	19.0	82.7	.8	0.0	.8	3.1
14	14.0	26.8	20.6	59.3	0.0	0.0	0.0	5.1
15	14.2	24.6	19.7	74.7	0.0	0.0	0.0	2.1
16	11.8	28.2	20.6	74.0	0.0	0.0	0.0	7.3
17	13.0	26.8	18.8	75.7	4.4	0.0	4.4	5.3
18	11.4	26.0	19.6	73.3	0.0	0.0	0.0	3.9
19	16.4	23.6	18.2	83.7	0.0	0.0	0.0	2.4
20	11.4	24.8	18.6	69.0	.1	0.0	.1	4.5
21	14.8	26.0	18.8	82.0	6.1	0.0	6.1	3.7
22	13.4	24.6	18.4	81.3	.9	1.2	2.1	1.8
23	15.0	25.0	20.5	73.7	0.0	0.0	0.0	3.8
24	12.0	27.0	19.4	65.3	0.0	0.0	0.0	6.4
25	11.0	25.4	18.1	75.3	0.0	1.0	1.0	5.7
26	15.4	23.4	19.5	79.3	.8	2.9	3.7	1.3
27	14.6	25.4	19.2	81.7	1.2	0.0	1.2	5.2
28	16.0	25.8	18.6	79.7	34.6	1.2	35.8	3.4
29	13.4	27.8	20.6	70.7	0.0	0.0	0.0	7.7
30	14.0	27.0	20.2	63.3	0.0	0.0	0.0	4.6
31								
Total :					95.8	9.0	104.8	118.6
Promedio :	13.8	25.1	18.9	77.4				

Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	12.4	27.2	21.2	56.0	0.0	0.0	0.0	5.8
2	15.8	27.5	21.0	56.0	0.0	0.0	0.0	6.9
3	14.2	25.2	19.6	71.0	0.0	0.0	0.0	3.8
4	11.8	28.3	20.4	74.3	4.5	0.0	4.5	8.5
5	16.8	25.8	19.4	80.3	12.9	.1	13.0	3.9
6	16.6	24.6	19.0	83.3	0.0	0.0	0.0	3.3
7	16.0	25.0	19.2	83.7	40.1	0.0	40.1	1.5
8	14.8	25.2	19.5	74.3	0.0	0.0	0.0	3.9
9	15.4	23.2	19.7	65.3	0.0	0.0	0.0	0.0
10	13.8	28.8	20.8	49.3	0.0	0.0	0.0	9.9
11	11.8	26.0	19.9	71.3	0.0	.6	.6	4.2
12	15.2	26.1	19.8	70.7	0.0	0.0	0.0	5.7
13	15.8	26.2	18.5	78.0	33.6	0.0	33.6	4.7
14	11.8	26.3	18.0	78.0	21.7	0.0	21.7	6.2
15	14.0	25.0	18.5	83.3	13.2	7.4	20.6	2.8
16	14.1	23.8	17.8	80.0	6.4	0.0	6.4	.9
17	12.0	24.7	18.2	80.0	7.4	2.2	9.6	4.2
18	14.8	25.0	18.8	79.7	1.4	.9	2.3	4.9
19	15.6	24.0	18.6	86.0	1.7	0.0	1.7	1.5
20	15.8	24.8	18.4	83.7	29.5	0.0	29.5	2.8
21	14.6	24.9	18.2	89.3	1.0	0.0	1.0	3.0
22	15.0	24.2	17.4	82.7	68.5	0.0	68.5	1.8
23	14.0	23.2	17.7	83.0	5.4	15.3	20.7	3.8
24	14.4	22.8	17.7	80.7	3.9	13.7	17.6	1.6
25	14.0	22.2	17.7	91.3	3.1	.3	3.4	2.2
26	15.8	23.2	19.0	83.7	.7	0.0	.7	2.4
27	14.8	23.0	18.0	88.3	15.8	0.0	15.8	3.0
28	16.0	24.2	18.0	86.7	6.0	0.0	6.0	2.0
29	15.4	23.2	19.7	89.3	2.8	9.3	12.1	3.5
30	16.2	24.0	18.2	82.0	3.8	0.0	3.8	1.7
31	14.8	24.1	19.6	78.3	0.0	4.1	4.1	2.6
Total :					283.4	53.9	337.3	113.0
Promedio :	14.6	24.9	19.0	78.0				

Estación : MANUEL MEJIA  
Año : 1998

Dpto. : CAUCA  
Mpio. : EL TAMBO

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

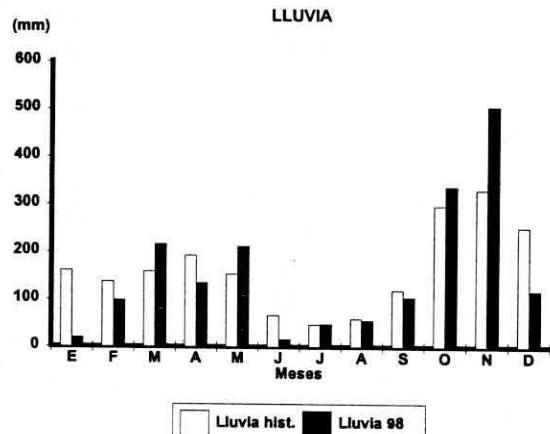
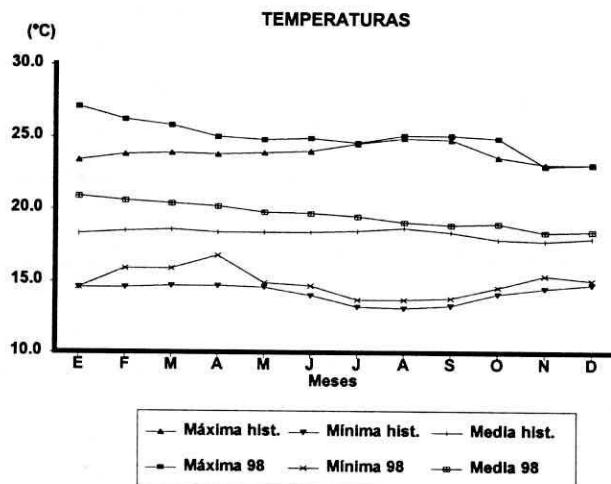
Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín.	Máx.	Med.		Día	Noche	Total	
1	15.8	24.9	18.6	88.3	15.6	6.1	21.7	6.2
2	15.4	22.2	19.0	86.7	0.0	1.1	1.1	4.0
3	16.0	24.8	19.4	80.7	4.7	8.7	13.4	4.9
4	15.6	21.8	18.1	86.7	6.2	1.7	7.9	.6
5	15.4	22.2	17.0	94.0	25.4	4.6	30.0	2.9
6	14.0	23.4	16.8	83.7	3.9	0.0	3.9	1.4
7	12.8	22.4	16.4	84.0	92.2	2.2	94.4	.9
8	15.0	21.4	17.0	92.7	2.7	.7	3.4	1.2
9	14.8	23.8	18.2	85.7	.7	17.0	17.7	4.4
10	13.4	23.2	17.4	81.3	13.8	0.0	13.8	4.7
11	15.6	23.8	19.0	82.7	0.0	53.1	53.1	5.0
12	16.0	23.2	18.2	86.0	4.8	2.1	6.9	3.9
13	15.4	24.8	19.0	82.7	3.1	5.6	8.7	3.8
14	15.8	24.7	19.0	84.0	7.8	0.0	7.8	4.0
15	15.8	23.2	19.4	86.7	.2	1.7	1.9	1.4
16	15.7	21.8	19.2	89.0	0.0	0.0	0.0	1.6
17	16.6	21.2	18.4	89.0	.6	.1	.7	0.0
18	15.9	23.4	19.2	83.7	0.0	0.0	0.0	1.3
19	15.4	24.8	19.5	81.0	3.0	30.4	33.4	7.0
20	16.0	23.2	18.8	84.3	2.3	45.6	47.9	3.1
21	15.8	22.2	18.4	83.3	2.6	31.1	33.7	1.8
22	15.2	21.0	17.4	90.7	8.1	0.0	8.1	1.0
23	14.6	25.8	20.6	73.0	0.0	6.2	6.2	6.5
24	16.0	22.4	18.4	86.7	4.9	8.0	12.9	2.7
25	14.4	20.4	17.0	92.7	2.2	4.5	6.7	.3
26	15.6	21.8	18.4	83.7	.3	8.5	8.8	1.3
27	16.0	21.6	18.0	88.7	5.0	7.8	12.8	3.0
28	15.4	22.4	18.2	81.7	.9	.1	1.0	4.8
29	15.0	25.7	19.0	79.0	1.1	30.3	31.4	6.0
30	16.2	22.9	18.4	87.7	5.5	10.3	15.8	5.8
31								
Total :					217.6	287.5	505.1	95.5
Promedio :	15.4	23.0	18.4	85.3				
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín.	Máx.	Med.		Día	Noche	Total	
1	16.0	22.8	18.6	85.3	3.4	5.9	9.3	4.3
2	14.2	21.8	17.8	78.0	4.0	0.0	4.0	2.3
3	12.8	24.8	19.0	77.3	0.0	0.0	0.0	8.1
4	14.8	25.8	19.1	79.3	0.0	0.0	0.0	3.6
5	15.0	23.9	18.8	86.3	1.8	1.7	3.5	2.5
6	15.8	22.8	19.1	87.7	5.0	6.4	11.4	4.1
7	14.8	23.0	19.0	82.0	0.0	1.9	1.9	4.9
8	13.8	24.2	19.3	74.0	0.0	0.0	0.0	9.0
9	13.5	25.1	19.6	74.3	0.0	0.0	0.0	7.0
10	14.8	24.0	18.2	82.7	7.2	9.8	17.0	2.2
11	16.0	22.0	18.6	89.3	3.7	1.3	5.0	2.1
12	16.2	22.6	18.6	87.7	.4	5.2	5.6	2.2
13	16.0	22.2	18.5	87.0	1.0	0.0	1.0	1.3
14	15.8	22.2	18.8	84.7	0.0	.1	.1	2.6
15	16.8	22.0	18.2	86.0	.4	0.0	.4	3.0
16	13.8	21.4	18.4	83.3	0.0	.2	.2	1.0
17	16.0	21.5	17.8	88.7	.4	0.0	.4	.9
18	15.8	22.6	18.1	84.7	.2	.2	.4	2.7
19	15.6	24.4	18.8	84.0	3.2	.1	3.3	6.4
20	15.0	24.2	18.0	80.3	1.4	2.7	4.1	6.9
21	14.0	22.8	17.4	89.7	.2	1.2	1.4	5.0
22	15.0	22.2	18.2	88.0	.8	2.6	3.4	3.8
23	15.6	24.2	18.8	81.7	0.0	0.0	0.0	7.0
24	16.0	24.0	19.4	76.3	0.0	0.0	0.0	9.6
25	14.8	23.2	18.8	78.7	0.0	0.0	0.0	4.9
26	14.2	23.0	18.6	79.3	0.0	4.9	4.9	3.9
27	14.8	22.4	18.4	84.3	.3	0.0	.3	5.0
28	15.4	24.9	18.5	81.3	2.7	15.2	17.9	6.8
29	15.8	21.2	17.2	90.0	3.5	0.0	3.5	1.6
30	15.2	23.0	18.0	88.0	3.2	.3	3.5	2.4
31	16.0	22.6	18.6	92.3	0.0	15.8	15.8	3.1
Total :					42.8	75.5	118.3	130.2
Promedio :	15.1	23.1	18.5	83.6				

Estación : MANUEL MEJIA  
Año : 1998

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.	Días Lluvia	Brillo Sol. (h)
Enero	14.6	27.1	20.9	29.0	11.5	72.3	19.1	5	203.1
Febrero	15.9	26.2	20.6	29.6	12.5	77.3	98.9	15	133.8
Marzo	15.9	25.8	20.4	29.6	13.7	79.7	216.4	16	123.1
Abril	16.8	25.0	20.2	27.0	13.5	84.3	135.5	22	96.4
Mayo	14.9	24.8	19.8	27.8	10.8	79.1	211.8	16	130.4
Junio	14.7	24.9	19.7	27.8	11.4	75.8	15.6	9	110.4
Julio	13.7	24.6	19.5	27.1	9.6	72.3	48.5	11	147.2
Agosto	13.7	25.1	19.1	27.6	11.0	73.3	55.6	13	146.3
Septiembre	13.8	25.1	18.9	28.2	10.2	77.4	104.8	18	118.6
Octubre	14.6	24.9	19.0	28.8	11.8	78.0	337.3	23	113.0
Noviembre	15.4	23.0	18.4	25.8	12.8	85.3	505.1	28	95.5
Diciembre	15.1	23.1	18.5	25.8	12.8	83.6	118.3	24	130.2
Promedio :	14.9	25.0	19.6			78.2			
Absoluta :				29.6	9.6				
Total :							1866.9	200	1548.0



Estación : PUEBLO BELLO  
Año : 1998

Dpto. : CESAR  
Mpio. : VALLEDUPAR

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

Enero	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	11.0	28.8	18.2	61.7	0.0	0.0	0.0	10.5
2	10.0	29.8	18.4	60.0	0.0	0.0	0.0	10.6
3	10.1	30.5	19.8	57.7	0.0	0.0	0.0	10.3
4	13.5	31.9	23.0	57.7	0.0	0.0	0.0	10.4
5	15.0	31.5	22.9	62.0	0.0	0.0	0.0	9.9
6	16.6	29.0	21.9	69.0	0.0	0.0	0.0	6.4
7	16.3	28.5	21.1	79.0	4.4	0.0	4.4	5.0
8	16.0	27.6	20.4	80.0	.4	0.0	.4	5.3
9	15.5	29.5	21.8	74.7	0.0	0.0	0.0	8.3
10	15.0	29.8	23.2	65.7	0.0	0.0	0.0	9.7
11	15.2	29.8	23.2	68.3	.9	0.0	.9	9.3
12	16.2	30.5	21.6	76.3	0.0	0.0	0.0	8.4
13	14.0	29.0	22.1	65.0	0.0	0.0	0.0	9.5
14	14.0	29.2	21.0	65.3	0.0	0.0	0.0	9.7
15	14.4	30.0	22.4	61.0	0.0	0.0	0.0	10.1
16	14.5	30.7	21.9	63.7	0.0	0.0	0.0	9.6
17	15.5	30.0	23.1	64.0	0.0	0.0	0.0	8.5
18	15.0	29.0	22.3	63.7	0.0	0.0	0.0	9.5
19	14.5	29.8	22.2	62.3	0.0	0.0	0.0	7.9
20	15.5	29.5	22.6	62.7	0.0	0.0	0.0	9.3
21	15.0	29.6	22.4	68.7	0.0	0.0	0.0	9.1
22	15.2	30.0	22.2	69.3	0.0	0.0	0.0	10.1
23	15.5	30.4	23.5	63.7	0.0	0.0	0.0	9.3
24	17.2	29.8	22.6	64.7	0.0	0.0	0.0	8.9
25	15.5	29.4	22.8	61.7	0.0	0.0	0.0	9.1
26	14.5	31.4	21.8	56.3	0.0	0.0	0.0	10.1
27	14.0	30.0	22.4	64.7	0.0	0.0	0.0	7.7
28	15.8	28.0	21.6	81.0	0.0	0.0	0.0	6.9
29	19.0	29.8	24.0	61.0	0.0	0.0	0.0	8.6
30	17.4	29.0	22.2	73.3	0.0	0.0	0.0	6.8
31	19.0	29.2	23.1	77.3	0.0	0.0	0.0	6.4
Total					5.7	0.0	5.7	
Promedio :	15.0	29.7	22.0	66.5				271.2

Febrero	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	30.8	24.5	66.0	0.0	0.0	0.0	9.3
2	15.8	33.5	24.3	59.3	0.0	0.0	0.0	8.5
3	17.4	31.6	24.1	72.0	0.0	0.0	0.0	6.4
4	19.0	29.0	24.2	71.7	0.0	0.0	0.0	2.9
5	19.0	29.5	23.5	69.0	0.0	0.0	0.0	5.7
6	18.5	30.4	23.7	66.0	0.0	0.0	0.0	8.1
7	18.0	27.0	21.2	92.3	16.2	0.0	16.2	1.3
8	19.4	26.4	20.9	90.3	39.5	11.6	51.1	2.5
9	18.6	23.6	19.8	95.7	32.0	1.3	33.3	.3
10	17.8	23.5	19.6	89.3	0.0	0.0	0.0	.5
11	15.9	25.0	19.8	83.0	0.0	0.0	0.0	5.9
12	16.2	27.2	20.5	80.3	0.0	0.0	0.0	6.2
13	14.8	29.0	22.6	64.3	0.0	0.0	0.0	9.1
14	16.0	29.8	23.2	65.0	0.0	0.0	0.0	9.4
15	17.0	29.4	23.0	68.7	0.0	0.0	0.0	10.4
16	16.0	30.2	23.3	70.0	0.0	0.0	0.0	10.4
17	15.5	32.5	23.6	56.7	0.0	0.0	0.0	10.5
18	15.2	30.2	24.2	60.7	0.0	0.0	0.0	9.8
19	15.0	29.0	22.8	67.7	0.0	0.0	0.0	10.8
20	14.5	29.2	22.8	63.0	0.0	0.0	0.0	9.0
21	16.6	30.0	23.2	62.0	0.0	0.0	0.0	9.0
22	15.8	29.0	23.4	61.3	0.0	0.0	0.0	8.6
23	16.5	29.2	23.0	69.3	0.0	0.0	0.0	7.8
24	20.2	25.0	22.6	72.7	0.0	0.0	0.0	0.0
25	17.5	28.8	22.8	60.3	0.0	0.0	0.0	9.8
26	15.2	28.8	21.4	73.0	0.0	0.0	0.0	9.3
27	16.2	29.0	22.8	68.3	0.0	0.0	0.0	8.8
28	15.7	30.0	22.8	68.0	0.0	0.0	0.0	9.3
29								
30								
31								
Total					87.7	12.9	100.6	199.6
Promedio :	16.8	28.8	22.6	70.9				

Estación : PUEBLO BELLO  
Año : 1998

Dpto. : CESAR  
Mpio. : VALLEDUPAR

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.5	30.5	22.9	62.0	0.0	0.0	0.0	8.0
2	16.8	29.4	22.8	71.3	0.0	0.0	0.0	7.2
3	15.5	30.7	23.7	55.7	0.0	0.0	0.0	7.7
4	15.0	32.0	23.6	58.0	0.0	0.0	0.0	8.5
5	19.5	29.5	23.2	74.0	0.0	0.0	0.0	5.3
6	17.0	29.2	22.0	81.0	2.2	0.0	2.2	6.6
7	17.6	28.5	22.7	76.7	0.0	0.0	0.0	4.9
8	18.8	30.5	24.0	73.0	0.0	0.0	0.0	6.2
9	17.8	29.8	20.8	81.7	5.6	0.0	5.6	5.1
10	16.2	29.0	23.0	65.0	0.0	0.0	0.0	7.8
11	14.8	28.5	20.8	71.0	0.0	0.0	0.0	8.3
12	13.4	28.0	21.8	60.3	0.0	0.0	0.0	9.4
13	12.5	30.0	22.1	52.0	0.0	0.0	0.0	10.1
14	13.2	29.4	22.5	58.7	0.0	0.0	0.0	9.4
15	15.0	29.8	22.8	63.3	0.0	0.0	0.0	7.8
16	15.8	29.4	23.2	60.3	0.0	0.0	0.0	7.7
17	16.4	30.6	23.2	60.7	0.0	0.0	0.0	9.0
18	16.5	30.8	24.2	61.3	0.0	0.0	0.0	7.4
19	18.0	32.0	25.2	55.3	0.0	0.0	0.0	8.9
20	17.9	31.6	24.8	65.0	0.0	0.0	0.0	6.8
21	20.2	28.8	24.1	77.3	.1	.1	.2	4.5
22	18.8	30.2	22.2	78.0	18.0	.2	18.2	6.9
23	19.5	27.6	21.8	84.7	0.0	0.0	0.0	2.6
24	18.5	27.0	21.4	83.0	9.9	1.7	11.6	2.7
25	18.2	28.4	22.6	81.3	0.0	0.0	0.0	5.1
26	19.5	27.8	23.0	68.7	0.0	0.0	0.0	6.4
27	17.0	28.8	22.1	77.7	1.1	0.0	1.1	5.5
28	18.2	28.8	23.4	71.7	0.0	1.0	1.0	6.3
29	18.3	28.5	23.4	67.7	0.0	0.0	0.0	7.4
30	17.4	28.0	22.6	69.3	0.0	0.0	0.0	6.7
31	18.0	28.2	22.5	74.3	0.0	0.0	0.0	7.3
Total :					36.9	3.0	39.9	
Promedio :	17.0	29.4	22.9	69.0				213.5
Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.6	28.8	22.5	73.7	.4	0.0	.4	5.9
2	17.5	28.0	22.2	78.7	0.0	0.0	0.0	5.5
3	19.8	28.6	23.0	79.7	4.5	43.7	48.2	6.9
4	19.5	27.5	21.0	87.7	0.0	0.0	0.0	3.8
5	17.5	28.8	22.2	81.3	.3	0.0	.3	4.7
6	18.5	28.5	22.5	83.0	0.0	1.4	1.4	5.5
7	20.0	26.2	22.7	86.0	.2	0.0	.2	5.6
8	18.5	28.5	23.0	83.3	0.0	0.0	0.0	7.4
9	18.5	28.0	22.4	85.3	0.0	0.0	0.0	4.5
10	17.5	29.0	22.8	79.0	0.0	0.0	0.0	2.2
11	20.0	28.8	22.4	80.0	.7	0.0	.7	5.0
12	19.6	27.0	21.7	83.0	10.0	0.0	10.0	.5
13	17.2	26.8	20.6	91.7	4.0	1.0	5.0	3.6
14	18.4	26.2	21.8	88.0	.7	0.0	.7	7.0
15	17.2	27.8	22.4	82.7	5.2	0.0	5.2	7.7
16	17.8	28.5	22.8	82.3	2.4	0.0	2.4	6.8
17	17.5	28.5	22.8	79.3	0.0	0.0	0.0	9.0
18	17.8	28.3	22.3	88.3	.1	0.0	.1	7.2
19	18.0	28.2	23.4	81.3	0.0	0.0	0.0	7.5
20	20.6	26.4	22.2	85.7	10.6	0.0	10.6	1.8
21	18.4	28.0	22.2	89.0	25.5	1.0	26.5	4.7
22	19.5	28.2	23.2	85.7	0.0	3.3	3.3	7.4
23	18.8	29.5	23.0	82.3	12.4	1.8	14.2	6.6
24	18.5	27.6	21.6	87.0	6.6	.3	6.9	2.7
25	17.2	27.5	21.4	83.3	0.0	0.0	0.0	6.2
26	18.0	27.5	22.0	77.0	0.0	0.0	0.0	3.8
27	18.8	27.2	22.8	78.7	0.0	0.0	0.0	2.0
28	16.5	28.0	22.0	82.0	0.0	0.0	0.0	7.5
29	16.0	28.4	22.3	73.3	0.0	0.0	0.0	7.9
30	14.2	28.8	21.4	77.7	0.0	0.0	0.0	9.0
Total :					83.6	52.5	136.1	165.9
Promedio :	18.1	28.0	22.3	82.5				

Estación : PUEBLO BELLO  
Año : 1998

Dpto. : CESAR  
Mpio. : VALLEDUPAR

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

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.8	29.0	23.0	79.7	0.0	3.3	3.3	4.3
2	19.2	27.5	21.8	88.3	1.2	.2	1.4	4.9
3	18.8	27.8	21.1	86.0	28.1	0.0	28.1	.9
4	18.0	26.2	21.2	87.0	0.0	24.7	24.7	1.8
5	18.8	26.0	21.9	82.7	.1	0.0	.1	1.6
6	19.4	26.5	22.4	86.0	9.2	56.6	65.8	5.2
7	18.5	26.0	21.2	82.0	3.9	0.0	3.9	.3
8	17.3	28.8	22.7	79.7	0.0	0.0	0.0	7.9
9	16.7	28.5	22.7	83.7	0.0	.1	.1	7.3
10	16.8	28.4	23.2	82.7	0.0	0.0	0.0	8.1
11	18.2	27.8	23.2	79.3	1.0	3.2	4.2	3.5
12	18.8	27.0	23.0	87.3	0.0	0.0	0.0	3.4
13	19.0	28.2	22.8	85.0	1.8	0.0	1.8	8.1
14	17.3	29.5	22.8	80.3	0.0	0.0	0.0	8.6
15	19.3	28.0	23.2	83.3	2.1	.6	2.7	4.4
16	16.5	28.5	21.7	81.3	3.7	.1	3.8	3.9
17	18.5	27.3	22.3	79.0	.8	0.0	.8	.1
18	19.0	27.5	21.7	83.0	36.3	4.1	40.4	1.2
19	19.4	28.5	22.7	80.3	0.0	0.0	0.0	2.8
20	18.4	28.4	22.0	87.7	28.7	5.1	33.8	4.1
21	19.0	28.5	23.5	85.7	0.0	0.0	0.0	5.2
22	18.6	28.8	22.6	86.0	0.0	0.0	0.0	5.4
23	18.9	27.0	22.2	84.3	0.0	12.6	12.6	1.5
24	17.5	28.0	23.4	87.7	0.0	8.6	8.6	8.6
25	19.5	26.4	22.3	86.0	0.0	7.4	7.4	.5
26	19.2	25.0	21.5	89.7	0.0	.9	.9	.3
27	20.4	25.2	21.8	89.3	0.0	2.1	2.1	1.3
28	19.5	25.2	22.2	86.0	0.0	10.1	10.1	.9
29	18.8	25.8	21.4	90.0	.4	.1	.5	3.1
30	17.8	27.2	22.3	86.7	0.0	0.0	0.0	5.9
31	18.9	28.5	23.4	86.0	0.0	55.6	55.6	6.7
Total					117.3	195.4	312.7	121.8
Promedio	18.5	27.5	22.4	84.6				
Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.8	26.8	21.6	89.3	5.1	0.0	5.1	1.2
2	17.8	27.0	21.5	82.3	26.7	.2	26.9	5.4
3	17.0	26.5	21.4	87.3	0.0	0.0	0.0	.4
4	18.4	27.6	21.4	83.3	0.0	0.0	0.0	6.2
5	16.6	28.5	21.6	82.7	9.1	0.0	9.1	6.7
6	17.5	27.4	21.4	84.7	1.3	0.0	1.3	4.7
7	18.5	27.6	22.1	87.7	2.4	.2	2.6	3.1
8	19.7	25.3	22.0	94.0	.2	10.6	10.8	1.4
9	19.0	26.7	22.5	81.7	0.0	0.0	0.0	5.8
10	15.8	27.2	21.4	80.3	0.0	0.0	0.0	8.3
11	16.0	28.5	22.8	70.0	0.0	0.0	0.0	10.4
12	16.8	28.0	22.6	84.0	0.0	0.0	0.0	5.8
13	17.9	28.2	23.4	78.0	0.0	0.0	0.0	5.0
14	18.5	29.0	22.8	79.3	0.0	0.0	0.0	3.8
15	18.8	26.2	21.8	87.3	0.0	58.3	58.3	0.0
16	17.5	25.0	20.9	81.3	1.1	1.7	2.8	0.0
17	18.4	26.0	21.5	87.3	12.9	.7	13.6	4.9
18	16.8	27.2	20.9	82.3	38.3	1.8	40.1	7.9
19	16.5	27.5	21.5	86.7	.4	0.0	.4	7.5
20	17.5	25.8	22.0	88.3	8.3	.3	8.6	3.8
21	18.5	28.4	23.2	76.3	0.0	0.0	0.0	7.1
22	18.4	26.4	20.8	83.3	18.7	0.0	18.7	1.6
23	16.6	25.4	21.5	86.3	0.0	0.0	0.0	5.4
24	16.4	26.5	21.5	84.7	0.0	0.0	0.0	8.2
25	15.0	27.0	22.0	77.0	0.0	0.0	0.0	10.3
26	15.8	28.2	22.6	74.0	0.0	0.0	0.0	8.7
27	17.5	29.0	23.8	72.7	0.0	6.6	6.6	5.4
28	17.8	25.5	20.8	91.0	23.3	24.9	48.2	1.5
29	17.7	27.0	22.2	79.7	.3	0.0	.3	8.3
30	15.7	27.5	20.8	86.3	5.9	0.0	5.9	9.1
Total					154.0	105.3	259.3	157.9
Promedio	17.5	27.1	21.9	83.0				

Estación : PUEBLO BELLO  
Año : 1998

Dpto. : CESAR  
Mpio. : VALLEDUPAR

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

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	28.0	22.8	66.3	0.0	0.0	0.0	10.4
2	15.0	27.8	21.5	76.0	0.0	0.0	0.0	10.0
3	16.5	28.4	22.2	76.3	0.0	0.0	0.0	6.4
4	18.0	27.6	20.9	89.0	12.3	3.5	15.8	1.6
5	17.6	27.0	21.8	84.0	0.0	92.9	92.9	8.1
6	17.7	27.2	21.4	81.7	.7	11.2	11.9	3.3
7	18.0	25.5	21.4	87.0	0.0	.4	.4	.8
8	19.8	27.0	21.6	89.0	0.0	0.0	0.0	2.0
9	15.4	26.3	21.0	84.0	0.0	0.0	0.0	8.0
10	17.0	25.8	21.6	85.7	0.0	0.0	0.0	4.2
11	17.5	27.0	22.2	83.7	0.0	0.0	0.0	3.4
12	20.0	28.3	23.0	82.0	0.0	0.0	0.0	4.9
13	16.5	26.2	22.0	81.3	.1	0.0	.1	3.2
14	15.9	27.0	21.7	79.7	0.0	.1	.1	6.3
15	15.6	26.8	19.9	82.3	7.4	0.0	7.4	3.0
16	15.0	26.4	20.1	86.0	0.0	0.0	0.0	5.8
17	16.0	26.2	20.0	85.3	10.4	0.0	10.4	5.1
18	16.2	26.8	21.2	82.3	.3	0.0	.3	5.1
19	15.9	26.5	21.8	85.7	0.0	0.0	0.0	8.4
20	16.5	27.5	22.4	74.3	0.0	0.0	0.0	9.8
21	14.8	28.2	19.2	84.7	85.7	1.1	86.8	8.5
22	15.8	28.2	20.0	82.0	58.0	4.3	62.3	7.9
23	15.6	26.5	19.7	89.0	13.6	.2	13.8	4.5
24	16.0	26.0	21.2	86.3	0.0	0.0	0.0	8.8
25	17.3	26.8	20.9	88.7	27.1	.1	27.2	4.7
26	15.9	25.8	21.8	85.7	0.0	0.0	0.0	8.2
27	16.2	26.3	21.3	82.7	0.0	0.0	0.0	7.7
28	17.5	26.2	21.0	86.3	.5	0.0	.5	4.3
29	16.2	27.2	20.5	81.3	4.2	0.0	4.2	4.4
30	17.0	27.5	22.2	82.0	0.0	0.0	0.0	9.3
31	17.6	27.6	20.9	82.0	7.7	0.0	7.7	5.7
Total :					228.0	113.8	341.8	183.8
Promedio :	16.6	27.0	21.3	83.0				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.6	26.6	21.5	84.3	0.0	0.0	0.0	5.1
2	16.9	27.3	22.2	76.3	0.0	0.0	0.0	6.3
3	16.0	28.8	22.6	77.3	0.0	0.0	0.0	8.0
4	16.2	28.2	22.2	74.0	0.0	0.0	0.0	9.6
5	16.4	27.0	21.8	81.3	0.0	0.0	0.0	6.7
6	19.3	27.1	21.4	83.7	12.4	1.5	13.9	6.5
7	17.5	26.2	20.1	88.7	22.2	.9	23.1	5.2
8	16.8	26.4	21.6	84.3	0.0	0.0	0.0	8.7
9	18.5	27.2	22.0	81.7	0.0	0.0	0.0	5.8
10	17.0	28.2	22.8	74.0	0.0	0.0	0.0	6.1
11	18.4	28.3	23.0	77.7	0.0	0.0	0.0	8.9
12	17.0	28.2	22.2	83.7	1.0	.2	1.2	7.7
13	16.8	26.6	21.9	84.3	0.0	0.0	0.0	6.8
14	17.0	27.8	21.5	78.3	0.0	0.0	0.0	6.5
15	16.9	25.0	21.0	85.7	0.0	0.0	0.0	4.5
16	18.2	26.8	20.1	85.7	27.2	5.3	32.5	5.5
17	16.2	27.0	21.3	80.3	0.0	0.0	0.0	6.5
18	17.5	26.5	20.7	86.0	5.2	2.7	7.9	6.3
19	16.0	26.8	20.4	87.0	18.2	2.1	20.3	7.1
20	15.8	27.0	21.0	78.7	0.0	2.7	2.7	5.9
21	18.4	26.2	21.6	86.3	.1	0.0	.1	6.5
22	17.8	29.0	22.6	79.7	0.0	0.0	0.0	8.3
23	18.6	27.0	23.0	81.3	0.0	0.0	0.0	8.1
24	18.2	27.8	21.2	83.3	42.7	0.0	42.7	5.1
25	16.2	27.9	20.9	84.0	3.6	0.0	3.6	6.5
26	18.2	26.7	21.4	80.7	0.0	25.2	25.2	5.5
27	18.3	27.3	21.0	82.0	0.0	0.0	0.0	4.1
28	16.5	27.6	22.4	84.7	0.0	1.3	1.3	7.5
29	17.6	29.2	23.5	78.7	0.0	2.5	2.5	7.7
30	18.3	26.6	22.2	83.7	0.0	22.0	22.0	5.3
31	18.5	26.0	21.2	82.3	.7	0.0	.7	1.7
Total :					133.3	66.4	199.7	200.0
Promedio :	17.3	27.2	21.7	81.9				

Estación : PUEBLO BELLO  
Año : 1998

Dpto. : CESAR  
Mpio. : VALLEDUPAR

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

Septiembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.2	26.7	20.4	83.7	15.2	4.1	19.3	1.7
2	15.8	25.8	20.2	81.7	18.7	0.0	18.7	6.9
3	17.2	26.0	20.6	87.7	13.0	40.6	53.6	2.1
4	17.0	27.5	21.3	80.0	1.1	0.0	1.1	8.1
5	16.2	27.3	21.8	80.0	.5	11.3	11.8	9.5
6	16.4	28.5	22.0	82.7	0.0	0.0	0.0	6.9
7	17.5	28.4	21.8	81.3	0.0	22.5	22.5	7.8
8	18.6	27.0	21.6	82.7	0.0	.7	.7	4.5
9	19.3	25.3	21.9	86.7	0.0	0.0	0.0	2.6
10	18.4	27.8	21.2	83.7	0.0	0.0	0.0	7.0
11	16.6	26.0	19.7	86.0	27.3	0.0	27.3	6.2
12	16.2	26.5	19.7	91.7	25.9	0.0	25.9	1.5
13	18.0	25.3	20.0	91.0	11.1	0.0	11.1	2.1
14	16.6	28.8	21.0	77.3	2.8	0.0	2.8	5.1
15	17.6	27.8	21.2	82.7	6.8	2.9	9.7	7.4
16	17.3	26.5	21.0	87.7	0.0	0.0	0.0	5.8
17	16.5	26.8	19.9	86.0	71.4	6.8	78.2	5.0
18	17.5	28.2	22.0	82.0	.7	33.5	34.2	5.8
19	17.2	27.4	21.7	84.0	2.1	.2	2.3	6.4
20	19.0	26.0	22.0	86.0	8.2	.9	9.1	2.9
21	18.8	27.0	22.4	86.3	0.0	1.4	1.4	3.7
22	17.0	27.5	20.7	83.3	8.6	.9	9.5	6.1
23	15.6	26.3	20.2	89.3	8.0	1.7	9.7	5.7
24	17.4	27.5	21.3	82.7	0.0	0.0	0.0	5.8
25	15.7	26.9	21.9	84.0	0.0	0.0	0.0	8.2
26	17.0	27.4	20.8	89.3	.2	.2	.4	3.9
27	18.0	25.5	20.5	87.3	27.4	.3	27.7	4.4
28	17.6	25.0	21.0	79.3	0.0	0.0	0.0	.1
29	16.2	27.6	20.0	85.3	48.8	0.0	48.8	6.7
30	15.4	28.2	22.7	79.3	0.0	0.0	0.0	9.1
31								
Total :					297.8	128.0	425.8	159.0
Promedio :	17.2	27.0	21.1	84.4				

Octubre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.5	28.2	21.5	77.7	0.0	0.0	0.0	7.9
2	16.2	27.8	21.8	76.7	0.0	0.0	0.0	1.5
3	17.7	25.4	19.6	94.3	7.7	0.0	7.7	2.5
4	15.2	25.6	20.8	86.0	2.2	1.9	4.1	3.3
5	16.0	26.5	22.0	83.3	0.0	0.0	0.0	7.5
6	16.7	26.0	21.3	88.0	10.5	18.3	28.8	4.2
7	18.1	25.0	21.2	87.7	0.0	0.0	0.0	2.5
8	17.2	27.8	21.2	83.7	2.3	0.0	2.3	6.5
9	17.0	29.5	22.5	75.0	0.0	.8	.8	2.0
10	18.0	29.0	23.2	81.3	0.0	0.0	0.0	4.8
11	16.3	29.2	22.2	74.0	0.0	0.0	0.0	7.6
12	16.6	29.4	20.7	87.3	23.7	.1	23.8	5.6
13	15.0	25.0	20.1	84.7	.1	0.0	.1	2.4
14	18.0	27.0	20.6	86.7	8.8	0.0	8.8	2.7
15	17.0	26.8	21.6	85.0	0.0	6.5	6.5	8.0
16	16.1	26.4	21.1	88.7	1.1	0.0	1.1	5.7
17	16.3	26.5	21.9	84.7	0.0	7.8	7.8	7.7
18	18.9	26.7	21.7	86.0	0.0	3.4	3.4	3.3
19	18.0	26.5	22.0	84.7	7.2	29.6	36.8	5.6
20	17.0	27.2	21.2	81.0	11.4	1.9	13.3	3.8
21	17.7	26.0	19.8	83.7	3.5	0.0	3.5	.5
22	15.5	26.0	20.3	84.7	2.7	1.2	3.9	1.6
23	17.5	26.1	20.8	84.0	1.7	.4	2.1	.9
24	18.8	26.0	20.7	81.0	17.8	.8	18.6	3.4
25	15.2	25.2	19.9	84.7	37.8	0.0	37.8	3.6
26	16.0	25.9	21.3	85.3	0.0	9.9	9.9	8.4
27	17.9	26.4	21.5	85.3	0.0	.5	.5	7.3
28	18.0	26.2	21.6	85.0	0.0	20.4	20.4	6.4
29	19.0	25.2	21.3	86.7	17.3	.1	17.4	4.7
30	17.0	26.2	21.5	85.0	.8	22.5	23.3	3.2
31	18.5	27.6	21.3	81.7	12.6	0.0	12.6	4.9
Total :					169.2	126.1	295.3	140.0
Promedio :	17.1	26.7	21.2	84.0				

Estación : PUEBLO BELLO  
Año : 1998

Dpto. : CESAR  
Mpio. : VALLEDUPAR

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

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.6	25.2	21.6	87.0	0.0	2.5	2.5	2.0
2	18.0	26.2	20.8	83.7	36.2	26.8	63.0	4.8
3	16.8	27.0	20.5	86.7	82.0	1.1	83.1	6.8
4	17.5	26.2	21.2	85.3	.9	5.3	6.2	5.3
5	17.0	26.3	21.7	87.3	.6	8.7	9.3	6.4
6	16.5	26.4	21.6	87.7	8.0	7.9	15.9	7.8
7	17.8	24.8	20.6	91.3	0.0	4.2	4.2	1.4
8	19.7	25.7	21.1	84.0	0.0	0.0	0.0	4.0
9	14.7	26.5	19.5	79.0	0.0	0.0	0.0	9.5
10	13.7	26.0	19.8	77.7	0.0	0.0	0.0	9.9
11	14.5	27.0	20.8	78.3	0.0	0.0	0.0	8.4
12	14.6	26.9	20.2	76.0	0.0	0.0	0.0	7.8
13	15.0	25.8	19.5	84.0	4.3	0.0	4.3	6.0
14	14.5	27.5	20.2	78.3	0.0	0.0	0.0	10.3
15	15.2	26.8	20.4	83.3	16.3	0.0	16.3	6.0
16	16.5	26.7	21.8	84.3	.2	.1	.3	7.3
17	17.2	27.5	22.5	81.3	1.0	0.0	1.0	7.9
18	18.0	26.2	20.2	86.0	2.0	0.0	2.0	1.5
19	17.2	26.3	20.6	88.3	3.0	0.0	3.0	5.7
20	16.0	26.0	20.6	82.3	0.0	0.0	0.0	8.2
21	14.5	25.7	20.2	82.3	0.0	.2	.2	3.3
22	17.0	25.8	20.2	82.7	57.0	3.2	60.2	4.1
23	16.9	26.2	20.4	81.0	0.0	0.0	0.0	6.6
24	13.8	25.4	19.2	85.3	5.1	13.0	18.1	7.0
25	17.8	25.2	20.0	86.0	.2	1.3	1.5	4.3
26	17.8	25.5	20.4	82.7	8.6	0.0	8.6	5.9
27	18.4	24.9	20.6	87.3	1.0	1.8	2.8	3.9
28	17.2	25.5	20.3	83.7	.2	0.0	.2	4.6
29	15.9	25.0	19.6	88.7	17.0	1.1	18.1	3.9
30	15.2	25.8	20.2	83.0	0.0	0.0	0.0	4.9
31								
Total :					243.6	77.2	320.8	175.5
Promedio :	16.4	26.1	20.5	83.8				

Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.5	26.2	20.2	83.0	0.0	0.0	0.0	6.5
2	17.7	25.5	20.2	87.7	0.0	4.2	4.2	3.9
3	16.8	25.3	20.6	85.0	0.0	6.1	6.1	5.7
4	17.3	25.8	21.2	83.7	.8	17.1	17.9	3.4
5	17.5	27.0	21.4	79.7	0.0	18.3	18.3	7.2
6	16.9	26.0	20.0	87.7	60.9	2.9	63.8	3.4
7	15.9	25.8	19.7	81.0	15.3	.6	15.9	1.6
8	16.7	25.1	20.2	89.7	1.3	1.4	2.7	1.2
9	17.2	25.6	20.6	87.0	.2	1.8	2.0	4.7
10	15.7	25.7	20.8	84.3	.3	10.1	10.4	6.0
11	17.4	25.8	19.2	91.7	60.3	0.0	60.3	4.7
12	15.4	24.8	19.4	87.7	0.0	0.0	0.0	5.0
13	13.8	27.2	19.7	78.7	0.0	0.0	0.0	8.3
14	13.8	27.3	20.2	79.7	0.0	0.0	0.0	8.1
15	14.8	26.6	20.6	84.3	0.0	0.0	0.0	9.5
16	15.3	25.2	20.0	86.3	0.0	0.0	0.0	3.6
17	16.5	27.2	22.0	73.7	0.0	0.0	0.0	8.3
18	14.7	26.4	20.0	84.7	0.0	0.0	0.0	8.3
19	14.6	27.0	20.0	74.7	0.0	0.0	0.0	9.5
20	14.5	26.8	19.3	77.0	0.0	0.0	0.0	8.9
21	14.0	27.5	19.8	76.7	0.0	0.0	0.0	7.9
22	14.9	26.3	19.9	79.0	0.0	0.0	0.0	7.5
23	13.5	27.2	18.8	70.3	0.0	0.0	0.0	9.3
24	11.8	26.4	18.4	76.3	0.0	0.0	0.0	10.0
25	11.9	26.5	19.0	75.3	0.0	0.0	0.0	8.7
26	12.5	26.4	19.6	78.3	0.0	0.0	0.0	8.6
27	14.4	27.0	19.6	79.0	.5	0.0	.5	7.4
28	14.9	26.2	19.4	83.3	10.6	0.0	10.6	5.7
29	14.8	25.7	20.2	82.7	0.0	.3	.3	3.8
30	16.5	27.7	20.6	85.0	.5	0.0	.5	5.9
31	16.0	25.7	20.3	85.3	0.0	0.0	0.0	8.0
Total :					150.7	62.8	213.5	200.6
Promedio :	15.3	26.3	20.0	81.9				

Estación : PUEBLO BELLO  
Año : 1998

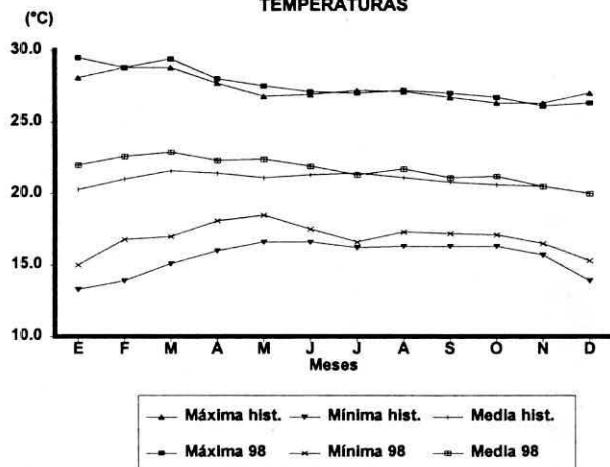
Dpto. : CESAR  
Mpio. : VALLEDUPAR

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

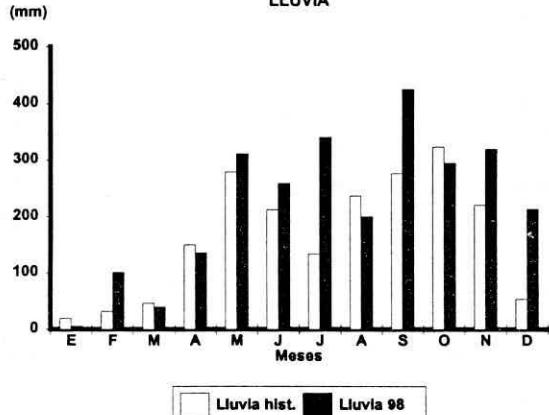
#### TEMPERATURA °C

MES	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	15.0	29.7	22.0	31.9	10.0	66.5	5.7	3	271.2
Febrero	16.8	28.8	22.6	33.5	14.5	70.9	100.6	3	199.6
Marzo	17.0	29.4	22.9	32.0	12.5	69.0	39.9	7	213.5
Abril	18.1	28.0	22.3	29.5	14.2	82.5	136.1	17	165.9
Mayo	18.5	27.5	22.4	29.5	16.5	84.6	312.7	23	121.8
Junio	17.5	27.1	21.9	29.0	15.0	83.0	259.3	17	157.9
Julio	16.6	27.0	21.3	28.4	14.8	83.0	341.8	16	183.8
Agosto	17.3	27.2	21.7	29.2	15.8	81.9	199.7	15	200.0
Septiembre	17.2	27.0	21.1	28.8	15.4	84.4	425.8	22	159.0
Octubre	17.1	26.7	21.2	29.5	15.0	84.0	295.3	25	140.0
Noviembre	16.5	26.1	20.5	27.5	13.7	83.8	320.8	21	175.5
Diciembre	15.3	26.3	20.0	27.7	11.8	81.9	213.5	14	200.6
Promedio :	16.9	27.6	21.7			79.6			
Absoluta :				33.5	10.0				
Total :							2651.2	183	2188.8

#### TEMPERATURAS



#### LLUVIA



■ Lluvia hist. ■ Lluvia 98

Estación : MONTelibano  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : YACOPÍ

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.4	25.7	20.8	85.7	5.4	0.0	5.4	3.4
2	17.5	27.8	21.8	72.7	0.0	0.0	0.0	9.0
3	17.2	30.4	23.1	42.7	0.0	0.0	0.0	10.3
4	18.6	30.2	23.7	61.0	0.0	0.0	0.0	10.5
5	19.8	28.8	23.6	60.3	0.0	0.0	0.0	10.0
6	18.4	26.4	22.5	79.7	0.0	0.0	0.0	4.7
7	18.6	25.2	21.2	83.7	0.0	0.0	0.0	2.4
8	18.9	26.2	22.1	80.0	0.0	0.0	0.0	7.4
9	19.2	24.6	20.3	89.7	.2	0.0	.2	3.1
10	18.8	25.0	21.0	84.3	0.0	3.5	3.5	2.1
11	19.1	26.4	22.1	82.7	5.5	0.0	5.5	4.5
12	18.6	25.2	21.5	86.0	0.0	0.0	0.0	.4
13	19.0	26.6	22.2	81.7	0.0	.6	.6	4.3
14	18.2	24.0	20.4	88.7	7.7	0.0	7.7	1.7
15	18.8	26.4	22.0	84.0	0.0	0.0	0.0	3.1
16	19.0	25.8	21.0	87.0	0.0	0.0	0.0	2.4
17	18.8	25.6	21.2	85.7	0.0	0.0	0.0	5.1
18	18.6	27.2	21.8	80.7	.2	.1	.3	5.9
19	17.9	26.4	22.0	81.3	0.0	6.3	6.3	3.0
20	19.0	22.6	20.4	94.7	.6	0.0	.6	.6
21	17.0	29.4	22.5	78.3	0.0	23.2	23.2	7.3
22	16.4	27.6	21.8	81.0	0.0	0.0	0.0	7.4
23	19.2	28.0	22.4	83.0	1.2	.1	1.3	6.1
24	19.0	25.7	21.2	89.7	0.0	0.0	0.0	4.2
25	18.9	25.2	21.9	80.7	0.0	0.0	0.0	7.0
26	18.8	29.7	23.6	69.3	0.0	0.0	0.0	7.8
27	18.0	27.0	21.2	81.7	0.0	12.1	12.1	5.0
28	17.0	23.0	19.4	94.3	0.0	0.0	0.0	1.9
29	18.3	27.0	21.7	81.0	0.0	0.0	0.0	6.4
30	19.9	24.1	21.0	91.3	1.3	0.0	1.3	1.7
31	18.9	28.0	22.5	80.3	0.0	1.4	1.4	3.3
Total :					22.1	47.3	69.4	152.0
Promedio :	18.5	26.5	21.7	80.7				
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.2	27.2	22.1	85.0	.3	0.0	.3	2.9
2	19.6	30.1	24.5	76.7	0.0	0.0	0.0	8.3
3	20.5	28.3	23.9	75.0	0.0	.3	.3	5.6
4	19.0	26.8	21.4	86.3	0.0	0.0	0.0	3.4
5	19.4	26.9	21.7	88.7	0.0	0.0	0.0	2.0
6	19.8	26.0	22.2	84.7	1.3	0.0	1.3	2.2
7	19.7	26.2	21.2	85.7	.3	40.4	40.7	3.7
8	17.8	20.0	18.6	96.3	17.0	7.4	24.4	0.0
9	17.4	20.8	18.5	93.7	.3	3.7	4.0	.5
10	15.8	20.8	17.8	94.0	4.2	2.2	6.4	0.0
11	17.2	21.8	19.0	92.0	.1	0.0	.1	0.0
12	17.9	25.0	21.3	82.7	0.0	.1	.1	2.3
13	18.3	25.4	21.4	86.3	.6	22.9	23.5	3.5
14	18.1	26.6	20.4	85.3	2.9	0.0	2.9	3.4
15	17.7	26.3	22.1	79.7	0.0	0.0	0.0	6.6
16	18.8	29.6	24.0	54.0	0.0	0.0	0.0	10.4
17	20.4	31.3	24.6	51.0	0.0	0.0	0.0	10.5
18	20.4	26.8	23.6	75.0	0.0	.7	.7	7.3
19	19.0	27.4	22.8	77.0	0.0	0.0	0.0	7.3
20	19.0	25.8	22.0	79.7	0.0	0.0	0.0	6.1
21	19.1	26.0	22.5	81.0	0.0	0.0	0.0	3.9
22	19.8	26.4	23.2	77.7	0.0	10.1	10.1	5.2
23	20.0	24.8	22.0	87.3	1.7	.1	1.8	1.5
24	19.4	25.0	21.4	84.7	0.0	0.0	0.0	3.1
25	19.1	25.8	22.2	81.7	0.0	0.0	0.0	4.6
26	19.5	26.2	22.2	85.0	0.0	0.0	0.0	5.8
27	20.0	26.3	22.8	82.0	0.0	0.0	0.0	3.4
28	19.0	27.0	22.8	78.3	0.0	0.0	0.0	5.2
29								
30								
31								
Total :					28.7	87.9	116.6	118.7
Promedio :	19.0	26.0	21.9	81.7				

Estación : MONTELIBANO  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : YACOPI

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.8	25.0	22.4	82.3	0.0	0.0	0.0	4.4
2	19.2	25.8	21.8	82.7	.2	.3	.5	3.4
3	18.8	27.6	22.6	80.7	0.0	0.0	0.0	4.7
4	19.5	27.5	23.0	79.3	0.0	0.0	0.0	5.3
5	19.8	25.0	21.6	89.7	.7	0.0	.7	1.7
6	18.0	29.4	21.5	83.3	24.7	27.2	51.9	2.0
7	17.8	26.0	20.3	85.0	18.4	1.2	19.6	5.0
8	18.0	27.2	21.0	79.7	2.1	.1	2.2	5.2
9	18.9	26.8	22.2	84.3	.3	2.4	2.7	1.3
10	17.8	27.0	22.1	75.0	0.0	5.6	5.6	6.8
11	18.6	24.8	21.9	81.0	0.0	9.8	9.8	4.5
12	18.0	24.0	20.9	85.0	0.0	0.0	0.0	4.5
13	17.8	27.0	22.0	80.3	0.0	0.0	0.0	3.4
14	16.8	26.2	21.2	83.0	0.0	11.7	11.7	4.2
15	17.6	25.2	21.3	84.0	.9	.7	1.6	2.7
16	19.2	25.7	22.2	84.0	0.0	0.0	0.0	2.1
17	18.1	28.4	22.9	74.3	0.0	11.7	11.7	4.2
18	17.8	27.0	20.6	84.0	2.7	2.8	5.5	5.5
19	18.3	27.4	22.5	77.7	0.0	0.0	0.0	2.7
20	18.0	25.2	21.8	89.7	.7	6.3	7.0	.3
21	17.8	23.5	20.8	87.0	8.4	1.1	9.5	1.5
22	17.4	27.0	22.7	79.7	0.0	11.3	11.3	6.0
23	17.8	24.2	20.5	83.3	0.0	.9	.9	.7
24	17.0	24.0	21.0	81.7	0.0	47.0	47.0	2.3
25	16.6	25.4	21.3	75.3	2.3	0.0	2.3	.5
26	18.0	25.0	21.1	78.0	0.0	5.7	5.7	1.4
27	17.6	26.2	21.8	73.7	0.0	.4	.4	5.2
28	18.4	24.0	20.8	77.7	17.6	0.0	17.6	0.0
29	18.2	22.2	20.0	82.7	4.4	6.8	11.2	.1
30	19.0	21.2	19.2	83.3	15.8	0.0	15.8	0.0
31	17.8	23.8	20.8	71.7	1.3	.3	1.6	.9
Total :					100.5	153.3	253.8	92.5
Promedio :	18.2	25.6	21.5	81.3				

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	26.4	21.0	78.0	4.7	1.0	5.7	2.6
2	18.5	23.8	20.0	92.0	.6	37.0	37.6	1.3
3	17.4	25.0	20.0	85.7	10.1	0.0	10.1	2.0
4	18.8	26.4	20.9	80.0	37.0	.1	37.1	3.1
5	18.7	25.8	20.4	85.7	1.2	7.0	8.2	3.5
6	18.6	25.2	21.0	82.0	13.4	25.2	38.6	1.7
7	17.7	24.9	20.8	83.3	0.0	0.0	0.0	2.7
8	18.8	25.7	21.4	82.0	1.2	0.0	1.2	3.8
9	18.9	26.9	21.4	85.0	0.0	13.4	13.4	5.4
10	18.5	27.2	21.7	74.7	3.1	3.1	6.2	7.7
11	17.8	25.8	20.6	83.0	10.9	2.4	13.3	4.9
12	17.6	25.6	20.4	81.3	19.1	.6	19.7	0.0
13	18.2	24.2	20.2	87.7	18.3	.5	18.8	.9
14	18.7	24.0	20.0	86.0	1.3	0.0	1.3	.9
15	17.6	26.2	21.8	79.3	0.0	0.0	0.0	4.9
16	17.8	25.0	21.2	86.0	0.0	.1	.1	1.0
17	17.4	27.2	22.4	82.0	.1	70.8	70.9	3.7
18	16.8	25.4	21.3	81.3	4.6	5.8	10.4	2.6
19	18.3	23.6	19.4	91.0	0.0	72.0	72.0	0.0
20	18.3	25.8	21.4	82.0	.4	5.8	6.2	1.9
21	18.8	26.0	20.8	82.0	6.6	1.6	8.2	3.5
22	17.8	26.7	20.8	83.3	24.9	0.0	24.9	3.5
23	18.8	26.2	22.4	82.7	0.0	0.0	0.0	1.6
24	18.2	25.0	20.5	82.3	7.9	.8	8.7	1.3
25	17.2	26.2	21.4	82.3	.1	7.1	7.2	5.6
26	18.8	22.2	20.3	85.0	2.8	0.0	2.8	.6
27	18.0	26.2	21.7	77.0	.4	0.0	.4	4.6
28	19.6	26.8	21.0	84.0	15.2	0.0	15.2	2.9
29	17.2	26.2	20.6	81.7	7.1	0.0	7.1	2.9
30	17.9	26.7	22.4	81.7	0.0	.6	.6	4.5
31								
Total :					191.0	254.9	445.9	85.6
Promedio :	18.2	25.6	21.0	83.0				

Estación : MONTELIBANO  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : YACOPI

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

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	24.0	19.2	88.0	10.3	9.6	19.9	1.5
2	17.9	25.0	21.1	84.7	0.0	0.0	0.0	5.1
3	18.4	24.8	20.2	86.0	15.3	22.6	37.9	1.1
4	17.9	24.8	20.3	85.0	4.4	15.4	19.8	.8
5	17.2	23.2	19.8	87.3	32.6	.6	33.2	.8
6	17.8	24.2	20.8	86.7	.2	0.0	.2	.1
7	17.6	25.0	20.8	82.0	.1	4.5	4.6	3.1
8	17.9	24.3	20.4	85.0	1.7	0.0	1.7	2.6
9	18.2	25.3	20.6	78.7	0.0	0.0	0.0	3.1
10	18.0	27.2	20.7	81.3	38.0	2.5	40.5	6.3
11	18.1	27.6	22.1	76.0	1.5	53.0	54.5	5.2
12	17.8	25.8	21.6	78.7	.2	0.0	.2	3.5
13	18.0	27.8	22.0	79.3	1.0	0.0	1.0	5.7
14	19.2	26.0	21.8	83.3	9.2	1.0	10.2	4.5
15	18.6	24.4	21.3	75.0	.5	0.0	.5	.5
16	17.8	27.2	22.4	80.7	0.0	.1	.1	3.6
17	18.8	24.1	21.1	87.7	5.6	0.0	5.6	1.0
18	19.3	27.2	22.4	63.3	0.0	0.0	0.0	5.4
19	18.8	28.4	22.7	63.3	0.0	0.0	0.0	7.8
20	19.1	28.8	23.5	67.0	0.0	0.0	0.0	10.8
21	18.0	30.1	23.4	70.0	0.0	0.0	0.0	10.1
22	18.8	26.2	21.7	80.7	5.3	0.0	5.3	5.9
23	18.6	25.2	22.2	72.7	0.0	0.0	0.0	.4
24	18.9	26.0	21.7	79.7	0.0	0.0	0.0	3.0
25	18.8	27.0	21.7	82.3	0.0	3.1	3.1	4.1
26	18.4	24.4	20.0	87.0	2.8	.9	3.7	1.6
27	17.2	26.2	20.6	80.3	50.7	23.9	74.6	4.3
28	17.9	21.4	19.0	90.7	7.9	7.2	15.1	0.0
29	16.8	23.7	20.2	81.3	0.0	0.0	0.0	0.0
30	17.8	26.0	21.3	81.7	0.0	0.0	0.0	.9
31	17.9	26.6	20.1	85.0	7.6	0.0	7.6	3.3
Total :					194.9	144.4	339.3	
Promedio :	18.2	25.7	21.2	80.3				106.1

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.6	23.7	20.3	87.3	.4	10.3	10.7	.2
2	17.8	26.6	21.3	84.0	0.0	4.7	4.7	5.4
3	17.2	25.6	19.4	89.3	26.6	0.0	26.6	2.6
4	17.0	25.8	21.7	79.3	2.8	1.2	4.0	6.7
5	17.9	27.8	21.4	79.0	0.0	0.0	0.0	3.3
6	17.0	27.2	21.3	81.7	2.6	0.0	2.6	7.0
7	17.5	26.7	21.8	85.3	0.0	1.2	1.2	1.8
8	18.0	24.2	20.3	83.7	.6	0.0	.6	.5
9	17.2	26.2	21.7	83.3	3.3	31.0	34.3	4.2
10	17.8	25.7	22.0	83.3	.4	0.0	.4	5.3
11	17.9	27.0	22.8	75.0	0.0	0.0	0.0	4.4
12	18.4	27.8	23.1	67.3	0.0	0.0	0.0	7.1
13	19.0	29.6	24.0	55.3	0.0	0.0	0.0	9.1
14	18.8	29.2	24.3	65.0	0.0	.7	.7	7.5
15	19.7	24.8	21.0	76.3	.1	2.6	2.7	.2
16	16.6	23.0	19.3	87.3	9.4	0.0	9.4	2.2
17	16.0	26.2	20.9	84.3	0.0	0.0	0.0	4.4
18	18.2	26.1	22.2	85.0	0.0	0.0	0.0	6.4
19	17.8	27.6	21.6	80.3	4.5	1.1	5.6	4.9
20	17.9	26.2	20.6	83.3	1.0	2.8	3.8	2.6
21	18.0	27.0	21.7	77.7	.1	0.0	.1	5.9
22	18.9	25.8	20.3	84.3	0.0	.4	.4	1.4
23	16.4	26.0	19.0	92.7	46.5	0.0	46.5	1.9
24	16.4	26.2	20.8	82.0	0.0	0.0	0.0	4.9
25	18.0	28.6	22.5	75.7	.1	0.0	.1	7.9
26	18.2	28.2	22.0	79.3	0.0	0.0	0.0	7.5
27	19.1	25.8	21.3	75.3	0.0	0.0	0.0	1.4
28	18.8	26.2	21.4	73.3	.3	0.0	.3	3.1
29	17.3	26.0	21.8	60.0	0.0	0.0	0.0	3.1
30	16.7	28.2	22.6	62.7	0.0	0.0	0.0	9.4
Total :					98.7	56.0	154.7	
Promedio :	17.8	26.5	21.5	78.6				132.3

Estación : MONTELIBANO  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : YACOPI

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

Julio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.9	29.2	24.0	46.0	0.0	0.0	0.0	10.0
2	19.0	28.0	23.1	64.0	0.0	0.0	0.0	5.6
3	17.0	26.2	19.9	78.3	8.2	0.0	8.2	5.4
4	16.7	24.6	20.5	84.3	2.2	16.0	16.2	2.2
5	16.3	24.7	19.4	89.3	13.1	0.0	13.1	2.3
6	18.2	24.4	19.8	89.7	.7	0.0	.7	1.9
7	16.8	24.9	20.0	86.0	.2	1.9	2.1	2.6
8	16.6	26.0	20.0	91.0	1.1	.8	1.9	5.1
9	17.6	25.0	20.1	86.3	5.9	5.2	11.1	2.5
10	17.9	25.4	20.6	80.7	0.0	0.0	0.0	3.1
11	18.4	25.8	21.0	74.7	0.0	0.0	0.0	3.4
12	18.8	27.8	22.5	65.3	0.0	0.0	0.0	10.3
13	18.0	26.8	21.8	69.3	.2	0.0	.2	6.4
14	17.8	28.8	20.5	79.3	4.4	0.0	4.4	6.1
15	17.0	25.2	20.6	84.7	7.5	7.5	15.0	6.1
16	16.8	25.0	20.0	87.3	0.0	9.0	9.0	1.2
17	17.2	26.0	21.5	83.3	0.0	5.3	5.3	5.7
18	17.0	24.4	19.6	86.7	12.3	.5	12.8	3.0
19	17.2	25.0	19.8	85.3	15.2	3.3	18.5	2.7
20	16.0	27.4	21.9	72.7	0.0	0.0	0.0	10.6
21	17.8	26.4	21.9	80.3	0.0	2.8	2.8	6.6
22	17.4	26.0	20.6	87.3	0.0	0.0	0.0	1.7
23	17.8	25.8	20.6	85.3	5.7	0.0	5.7	5.4
24	18.0	25.0	21.0	85.0	1.1	0.0	1.1	2.7
25	17.7	24.4	20.2	82.3	1.0	1.8	2.8	2.3
26	16.8	27.7	21.2	79.3	0.0	0.0	0.0	5.7
27	17.8	26.8	21.0	85.3	5.2	1.9	7.1	3.8
28	17.6	25.8	20.8	88.3	0.0	0.0	0.0	5.1
29	17.8	28.0	21.8	80.0	0.0	.1	.1	5.0
30	18.0	26.4	20.5	76.7	.2	0.0	.2	3.7
31	18.2	26.5	21.2	72.7	0.0	0.0	0.0	4.3
Total :					82.2	56.1	138.3	
Promedio :	17.6	26.1	20.9	80.2				142.5

Agosto	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	25.8	21.3	83.0	0.0	0.0	0.0	3.8
2	18.8	28.0	23.2	77.0	0.0	0.0	0.0	8.2
3	19.8	27.8	22.2	73.3	0.0	0.0	0.0	4.6
4	18.0	25.8	20.8	86.3	9.4	6.9	16.3	1.6
5	17.6	26.2	22.2	81.0	0.0	8.9	8.9	1.5
6	17.4	25.0	19.0	93.0	5.4	15.9	21.3	3.3
7	16.5	25.4	20.0	82.7	0.0	0.0	0.0	1.3
8	16.9	24.8	20.3	82.7	0.0	.5	.5	5.1
9	17.3	26.8	20.8	84.3	2.6	.1	2.7	4.5
10	16.4	26.6	20.9	80.0	0.0	6.3	6.3	5.8
11	17.4	27.0	21.4	80.0	0.0	0.0	0.0	6.1
12	18.2	27.8	22.0	72.7	0.0	0.0	0.0	2.0
13	16.8	26.9	19.1	83.0	31.7	0.0	31.7	5.5
14	16.6	26.3	20.6	81.7	2.4	16.4	18.8	7.3
15	16.0	24.2	19.9	82.7	4.6	0.0	4.6	1.2
16	16.7	24.0	19.9	84.3	0.0	0.0	0.0	3.0
17	17.7	27.8	20.5	82.0	.1	0.0	.1	4.0
18	17.2	25.7	21.1	85.0	.1	2.7	2.8	5.1
19	16.5	27.4	19.6	79.3	31.6	15.8	47.4	5.4
20	16.6	25.1	20.3	86.3	0.0	2.5	2.5	3.0
21	17.3	24.2	20.3	88.7	.5	24.5	25.0	3.1
22	17.0	26.0	21.1	77.7	4.7	0.0	4.7	5.1
23	18.0	26.3	21.1	84.7	0.0	0.0	0.0	6.8
24	17.3	26.7	19.6	87.0	18.3	.5	18.8	5.4
25	17.0	25.8	20.4	85.0	.7	2.7	3.4	4.7
26	17.9	24.0	20.7	90.3	0.0	22.0	22.0	.6
27	18.1	23.2	20.0	93.0	.3	0.0	.3	2.5
28	18.2	27.0	21.7	81.0	0.0	0.0	0.0	7.4
29	17.8	28.3	22.0	83.3	1.0	8.1	9.1	6.0
30	18.0	27.1	21.6	83.3	0.0	0.0	0.0	5.6
31	19.0	26.2	21.9	64.0	0.0	0.0	0.0	3.9
Total :					113.4	133.8	247.2	
Promedio :	17.5	26.1	20.8	82.5				133.4

Estación : MONTELIBANO  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : YACOPI

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.4	26.6	20.6	85.3	.1	0.0	.1	5.1
2	17.6	27.0	20.1	89.3	1.7	2.4	4.1	3.1
3	17.2	25.2	19.8	87.3	1.4	0.0	1.4	.2
4	17.3	26.4	20.9	84.7	3.6	4.6	8.2	6.4
5	17.6	26.0	20.7	86.3	0.0	0.0	0.0	4.3
6	18.0	27.4	21.7	77.0	.4	0.0	.4	7.6
7	18.0	25.8	21.5	87.3	0.0	8.9	8.9	4.6
8	17.4	24.4	19.8	84.7	4.3	0.0	4.3	1.6
9	18.0	25.0	20.4	88.0	.3	0.0	.3	4.9
10	17.8	25.6	20.6	87.3	0.0	0.0	0.0	3.7
11	17.0	25.0	20.0	84.0	1.2	0.0	1.2	.9
12	16.8	25.3	19.6	83.7	52.4	5.9	58.3	5.1
13	16.2	26.2	19.7	85.7	.5	1.9	2.4	4.9
14	16.9	28.1	20.4	76.7	.4	16.6	17.0	5.9
15	15.1	28.0	20.8	72.7	0.0	0.0	0.0	5.7
16	16.8	27.0	21.4	85.0	0.0	0.0	0.0	5.1
17	16.1	25.8	19.6	88.0	10.3	.3	10.6	4.3
18	16.4	25.1	20.7	85.3	.5	7.7	8.2	1.2
19	17.0	28.0	21.3	83.3	0.0	15.3	15.3	5.6
20	17.2	25.0	21.0	83.0	.3	0.0	.3	4.2
21	17.8	25.7	20.2	87.7	20.4	.9	21.3	1.4
22	17.2	25.2	20.6	90.0	.5	20.0	20.5	3.4
23	16.2	26.0	19.8	86.7	2.1	.3	2.4	4.0
24	17.1	25.3	20.5	88.7	0.0	3.3	3.3	2.1
25	17.3	25.0	20.8	85.3	.7	6.0	6.7	2.6
26	17.0	24.9	20.2	87.7	0.0	42.6	42.6	3.8
27	16.4	26.0	20.3	85.0	14.3	4.1	18.4	3.9
28	17.4	25.2	21.2	88.7	0.0	0.0	0.0	5.9
29	18.1	25.8	21.5	87.0	0.0	0.0	0.0	3.9
30	18.8	27.8	21.3	86.3	1.1	0.0	1.1	6.4
31								
Total :	—	—	—	—	116.5	140.8	257.3	121.8
Promedio :	17.2	26.0	20.6	85.3				
Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.9	26.8	22.2	86.0	0.0	0.0	0.0	4.1
2	19.0	27.4	21.8	74.3	0.0	.5	.5	4.1
3	17.8	25.8	20.4	87.3	10.6	.3	10.9	3.7
4	17.2	25.0	21.0	87.3	.4	41.0	41.4	5.0
5	17.3	26.1	20.6	88.7	35.5	13.5	49.0	5.5
6	18.0	25.8	21.3	88.0	0.0	13.0	13.0	5.5
7	17.2	25.4	21.2	85.7	0.0	11.3	11.3	2.2
8	17.3	28.2	21.6	82.3	2.5	18.0	20.5	3.9
9	17.8	27.4	21.6	87.0	.6	0.0	.6	4.5
10	18.0	27.2	23.1	63.3	0.0	0.0	0.0	8.3
11	18.2	28.2	23.0	80.3	0.0	0.0	0.0	7.2
12	19.0	28.0	22.2	76.3	24.7	12.8	37.5	6.9
13	16.2	25.0	20.2	82.3	0.0	.4	.4	5.0
14	17.0	24.8	21.0	86.3	0.0	.7	.7	3.8
15	18.1	25.8	20.1	86.3	8.2	5.1	13.3	3.7
16	17.0	24.2	20.6	88.0	0.0	0.0	0.0	1.6
17	18.8	25.5	20.8	86.0	4.0	4.5	8.5	4.4
18	17.2	25.1	21.2	87.0	0.0	36.6	36.6	4.6
19	18.0	24.4	19.9	85.0	14.3	0.0	14.3	2.0
20	17.8	23.8	20.3	88.0	1.4	.4	1.8	.6
21	16.8	24.1	19.8	86.7	0.0	7.2	7.2	2.1
22	16.8	25.0	19.6	83.7	.8	.7	1.5	2.8
23	17.8	25.1	19.7	87.0	9.8	0.0	9.8	5.7
24	17.9	24.0	20.2	86.7	.2	8.7	8.9	4.6
25	16.8	24.9	19.4	89.3	4.0	5.8	9.8	3.9
26	16.8	26.0	20.9	84.0	0.0	0.0	0.0	8.0
27	18.7	25.8	21.4	84.0	.3	0.0	.3	8.0
28	18.0	25.8	20.9	83.0	0.0	0.0	0.0	5.1
29	17.9	24.9	20.3	85.3	.2	12.1	12.3	3.9
30	17.1	25.0	21.1	83.7	0.0	0.0	0.0	3.3
31	19.1	26.0	21.6	85.0	1.4	5.7	7.1	4.0
Total :	—	—	—	—	118.9	198.3	317.2	139.8
Promedio :	17.7	25.7	20.9	84.3				

Estación : MONTELIBANO  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : YACOPI

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

Noviembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	25.0	21.3	84.7	0.0	0.0	0.0	5.3
2	17.6	25.9	21.4	86.0	0.0	0.0	0.0	6.1
3	18.1	24.9	21.0	87.3	.7	1.0	1.7	4.4
4	18.8	25.8	20.5	87.3	10.0	0.0	10.0	3.1
5	17.6	25.1	21.2	84.3	0.0	1.1	1.1	5.7
6	18.1	24.4	20.4	89.7	.3	1.1	1.4	1.8
7	16.8	23.8	19.6	87.3	.3	0.0	.3	.4
8	17.8	25.1	20.8	79.7	5.5	.4	5.9	4.8
9	17.4	24.9	20.4	87.3	1.2	4.5	5.7	2.5
10	17.9	24.8	20.9	92.0	1.9	45.3	47.2	3.2
11	16.9	25.2	20.4	83.7	2.8	2.0	4.8	4.2
12	17.8	25.0	20.9	86.3	0.0	2.0	2.0	4.5
13	17.9	24.9	21.1	80.0	0.0	11.2	11.2	4.7
14	18.0	25.3	21.2	82.7	0.0	0.0	0.0	3.7
15	19.0	24.9	20.5	89.3	.4	.1	.5	2.6
16	18.2	24.1	20.7	91.3	0.0	0.0	0.0	3.0
17	18.8	26.9	21.6	79.0	3.5	1.2	4.7	4.5
18	18.0	24.0	20.9	87.0	.4	0.0	.4	3.6
19	17.9	25.9	21.4	88.0	0.0	2.8	2.8	4.1
20	17.1	25.2	20.7	85.0	0.0	.9	.9	2.1
21	16.8	25.0	21.0	84.0	.6	33.8	34.4	4.9
22	17.2	24.8	19.5	88.7	34.5	2.4	36.9	1.3
23	16.8	24.1	20.1	85.0	0.0	0.0	0.0	7.7
24	17.6	24.8	20.4	83.7	0.0	0.0	0.0	5.7
25	16.1	24.1	20.3	85.3	0.0	1.7	1.7	6.2
26	17.4	23.2	19.4	89.7	4.2	7.2	11.4	1.5
27	17.0	23.0	19.4	90.3	.2	7.0	7.2	3.7
28	17.2	22.5	19.1	90.3	1.1	4.2	5.3	2.5
29	17.3	23.6	20.1	86.3	.4	0.0	.4	5.9
30	17.8	24.0	20.4	84.3	0.0	0.0	0.0	5.2
31								
Total :					68.0	129.9	197.9	118.9
Promedio :	17.6	24.7	20.6	86.2				

Diciembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.6	24.1	20.2	88.0	0.0	0.0	0.0	5.5
2	17.8	24.9	19.8	86.0	0.0	0.0	0.0	4.2
3	17.9	24.0	20.2	88.0	0.0	1.4	1.4	5.5
4	18.0	26.4	20.4	86.0	1.2	3.9	5.1	2.1
5	16.9	24.1	20.6	86.0	0.0	.6	.6	4.6
6	18.0	25.0	20.6	88.0	0.0	6.5	6.5	3.2
7	17.2	23.8	19.9	87.7	.4	5.3	5.7	2.2
8	16.8	24.9	20.2	87.7	0.0	2.7	2.7	5.7
9	17.3	23.8	20.1	89.3	0.0	4.8	4.8	4.1
10	17.2	24.4	20.4	86.0	1.4	.2	1.6	3.9
11	18.1	24.2	20.4	83.3	.8	4.4	5.2	2.1
12	18.0	24.0	20.5	88.3	0.0	7.8	7.8	2.1
13	18.4	24.8	20.8	87.7	0.0	.1	.1	.8
14	18.7	24.8	21.1	86.3	0.0	0.0	0.0	1.4
15	18.4	25.0	21.0	87.0	0.0	.1	.1	2.8
16	17.3	24.9	20.4	86.7	3.3	3.2	6.5	2.0
17	18.2	24.2	19.8	89.7	3.0	.4	3.4	2.1
18	16.2	23.8	19.2	87.3	2.2	2.1	4.3	2.2
19	17.8	24.9	20.2	87.7	0.0	.5	.5	4.2
20	17.0	24.7	19.5	86.7	18.7	4.0	22.7	3.9
21	16.4	24.0	19.8	86.7	0.0	6.3	6.3	2.9
22	17.5	23.9	19.8	82.3	1.2	0.0	1.2	7.6
23	15.7	24.8	20.1	83.7	0.0	4.9	4.9	5.8
24	17.8	25.1	20.4	85.7	0.0	0.0	0.0	3.0
25	17.8	23.2	20.3	87.0	.6	10.4	11.0	2.2
26	17.0	24.1	20.2	86.3	7.5	12.9	20.4	3.4
27	16.8	23.1	20.0	87.0	0.0	32.9	32.9	3.0
28	16.3	25.0	20.1	86.3	0.0	0.0	0.0	2.9
29	18.0	23.9	19.8	93.7	.3	0.0	.3	3.5
30	16.2	23.7	19.8	88.3	0.0	1.9	1.9	4.9
31	17.1	25.7	20.4	85.7	0.0	0.0	0.0	1.8
Total :					40.6	117.3	157.9	105.6
Promedio :	17.4	24.4	20.2	87.0				

Estación : MONTELIBANO  
Año : 1998

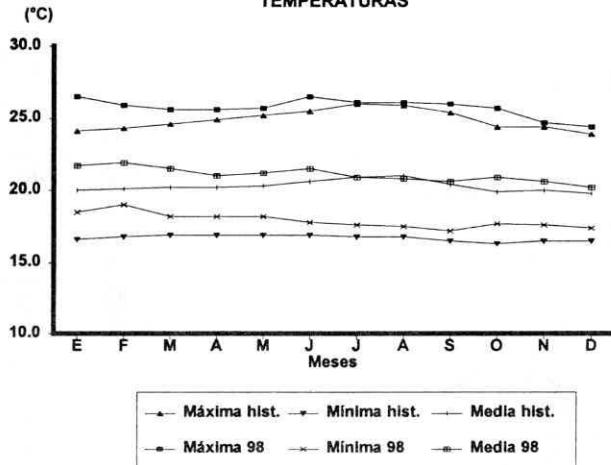
Dpto. : CUNDINAMARCA  
Mpio. : YACOPI

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

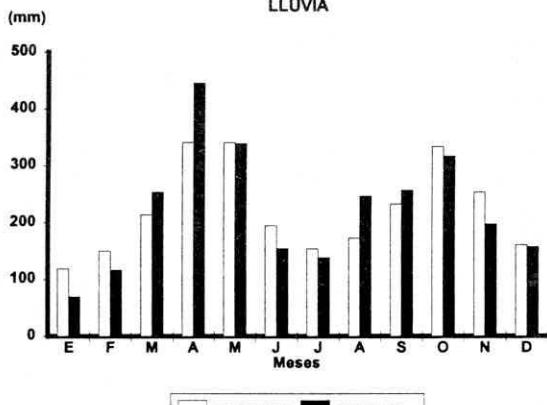
#### TEMPERATURA °C

MES	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	18.5	26.5	21.7	30.4	16.4	80.7	69.4	14	152.0
Febrero	19.0	25.9	21.9	31.3	15.8	81.7	116.6	14	118.7
Marzo	18.2	25.6	21.5	29.4	16.6	81.3	253.8	24	92.5
Abril	18.2	25.6	21.0	27.2	16.8	83.0	445.9	27	85.6
Mayo	18.2	25.7	21.2	30.1	16.8	80.3	339.3	21	106.1
Junio	17.8	26.5	21.5	29.6	16.0	78.6	154.7	19	132.3
Julio	17.6	26.1	20.9	29.2	16.0	80.2	138.3	21	142.5
Agosto	17.5	26.1	20.8	28.3	16.0	82.5	247.2	20	133.4
Septiembre	17.2	26.0	20.6	28.1	15.1	85.3	257.3	24	121.8
Octubre	17.7	25.7	20.9	28.2	16.2	84.3	317.2	24	139.8
Noviembre	17.6	24.7	20.6	26.9	16.1	86.2	197.9	23	118.9
Diciembre	17.4	24.4	20.2	26.4	15.7	87.0	157.9	25	105.6
Promedio :	17.9	25.7	21.1			82.6			
Absoluta :				31.3	15.1				
Total :							2695.5	256	1449.2

#### TEMPERATURAS



#### LLUVIA



[ ] Lluvia hist. [ ] Lluvia 98

Estación : SANTA ROSITA  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : EL PENON

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	25.6	20.0	87.7	.4	0.0	.4	1.7
2	15.4	27.8	21.3	59.7	0.0	0.0	0.0	9.2
3	14.5	29.8	22.3	42.0	0.0	0.0	0.0	9.2
4	16.2	30.8	24.4	56.0	0.0	0.0	0.0	9.0
5	16.8	30.2	23.7	53.7	0.0	0.0	0.0	10.3
6	17.5	26.8	22.0	76.0	0.0	31.2	31.2	4.2
7	17.0	25.5	21.0	83.7	0.0	0.0	0.0	3.0
8	18.0	28.2	22.1	80.3	.1	0.0	.1	5.2
9	17.6	26.2	21.0	80.7	0.0	0.0	0.0	2.4
10	16.5	26.4	20.8	81.3	0.0	0.0	0.0	2.3
11	17.4	27.8	21.5	83.0	12.7	0.0	12.7	3.9
12	17.7	25.4	21.2	82.3	0.0	10.9	10.9	.3
13	17.0	27.9	21.6	83.0	9.2	12.7	21.9	4.6
14	17.5	22.9	19.5	89.7	5.8	0.0	5.8	.3
15	17.1	26.4	21.6	82.0	0.0	0.0	0.0	2.4
16	17.7	28.5	21.8	79.0	0.0	0.0	0.0	5.3
17	17.0	25.6	21.2	84.3	0.0	0.0	0.0	3.1
18	17.7	28.4	21.2	79.0	.1	12.8	12.9	3.9
19	16.8	26.2	21.6	79.7	0.0	12.4	12.4	3.7
20	18.7	23.6	19.8	91.0	0.0	0.0	0.0	.3
21	15.5	28.5	22.1	71.3	0.0	0.0	0.0	8.3
22	16.0	28.8	22.8	79.0	0.0	23.2	23.2	6.6
23	18.1	27.5	22.5	80.7	3.9	12.1	16.0	6.0
24	17.2	26.4	22.2	82.3	0.0	0.0	0.0	5.3
25	16.0	28.3	22.4	71.0	0.0	0.0	0.0	6.1
26	16.5	28.6	22.3	73.7	0.0	0.0	0.0	8.5
27	16.2	26.5	19.8	80.7	60.0	3.0	63.0	3.4
28	16.0	25.4	20.0	87.0	0.0	0.0	0.0	3.7
29	18.7	26.9	22.5	78.7	0.0	0.0	0.0	5.9
30	18.0	27.2	20.8	84.0	9.5	0.0	9.5	2.0
31	17.0	27.8	22.5	80.0	0.0	.5	.5	5.1
Total :					101.7	118.8	220.5	145.2
Promedio :	16.9	27.2	21.6	77.5				
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.5	28.5	23.2	79.3	0.0	0.0	0.0	5.3
2	19.2	30.2	24.2	75.0	0.0	0.0	0.0	8.6
3	19.4	28.7	23.9	73.3	0.0	0.0	0.0	4.5
4	19.0	26.5	21.4	85.7	2.6	0.0	2.6	3.2
5	17.9	27.3	21.9	84.7	0.0	0.0	0.0	2.2
6	18.2	24.7	21.4	86.0	13.0	0.0	13.0	.7
7	17.4	27.8	21.6	83.3	74.0	58.0	132.0	2.8
8	17.8	20.8	18.7	95.7	15.9	0.0	15.9	.3
9	16.4	23.5	19.2	83.7	0.0	1.7	1.7	0.0
10	16.1	24.0	20.0	88.0	0.0	1.5	1.5	.1
11	15.4	21.3	18.2	91.0	0.0	0.0	0.0	.5
12	16.8	24.0	21.4	84.0	0.0	0.0	0.0	1.0
13	16.6	25.2	21.2	84.3	0.0	0.0	0.0	2.4
14	18.0	25.8	20.2	85.3	17.1	0.0	17.1	2.9
15	16.0	27.8	21.8	75.7	0.0	0.0	0.0	5.6
16	17.0	30.5	22.2	63.3	0.0	0.0	0.0	9.4
17	17.7	31.2	24.5	53.7	0.0	0.0	0.0	9.5
18	18.8	31.0	22.5	77.3	2.9	0.0	2.9	6.3
19	16.7	29.8	22.9	75.3	0.0	0.0	0.0	7.2
20	18.0	27.5	22.1	81.3	0.0	0.0	0.0	5.2
21	18.2	27.0	22.3	82.7	47.0	0.0	47.0	2.1
22	17.9	27.1	22.2	81.0	0.0	2.1	2.1	3.5
23	18.0	25.5	21.4	83.3	0.0	0.0	0.0	1.5
24	18.2	26.0	21.7	84.7	0.0	0.0	0.0	2.3
25	18.0	26.5	22.2	82.0	0.0	0.0	0.0	4.0
26	17.0	26.9	21.5	83.7	0.0	0.0	0.0	5.3
27	16.8	28.0	21.6	81.7	10.8	.1	10.9	4.3
28	16.0	27.2	22.0	79.3	0.0	19.0	19.0	7.5
29								
30								
31								
Total :					183.3	82.4	265.7	108.2
Promedio :	17.5	26.8	21.7	80.9				

Estación : SANTA ROSITA  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : EL PEÑON

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	26.0	20.3	80.7	0.0	15.1	15.1	4.8
2	16.8	25.8	21.2	84.0	0.0	0.0	0.0	3.3
3	17.8	27.0	22.2	73.0	0.0	0.0	0.0	6.8
4	18.0	28.9	23.6	69.0	0.0	0.0	0.0	6.7
5	18.1	25.8	21.7	82.7	0.0	0.0	0.0	2.1
6	18.0	28.7	21.2	79.7	0.0	79.0	79.0	2.0
7	16.5	27.0	21.4	84.3	5.0	61.0	66.0	4.3
8	16.8	27.4	20.8	82.7	5.5	.5	6.0	5.0
9	17.4	25.4	22.6	83.7	.4	8.5	8.9	3.5
10	16.2	27.8	22.2	76.0	.4	32.1	32.5	7.0
11	18.0	26.9	21.6	81.0	0.0	0.0	0.0	3.3
12	17.9	26.0	20.9	82.3	0.0	0.0	0.0	3.4
13	18.0	27.0	22.6	78.3	.2	1.3	1.5	4.3
14	17.0	28.0	22.6	75.3	0.0	28.0	28.0	6.8
15	16.2	25.4	22.3	79.3	0.0	21.0	21.0	3.4
16	17.7	26.0	23.0	82.7	10.9	0.0	10.9	1.6
17	17.8	25.8	22.0	77.3	0.0	0.0	0.0	3.9
18	18.0	29.2	20.6	77.7	30.1	1.0	31.1	6.5
19	16.7	27.6	23.9	80.0	0.0	18.0	18.0	5.6
20	18.4	25.8	21.2	80.0	0.0	1.0	1.0	.1
21	17.0	24.2	20.4	86.7	0.0	23.0	23.0	.8
22	16.7	27.0	21.8	77.3	0.0	30.0	30.0	5.9
23	15.2	23.8	19.7	89.7	.6	0.0	.6	0.0
24	17.4	25.3	20.6	83.7	0.0	11.0	11.0	1.3
25	17.9	25.2	21.8	83.7	.5	0.0	.5	1.7
26	18.0	26.0	20.9	83.3	3.4	2.5	5.9	1.2
27	16.5	27.7	20.3	83.3	5.4	0.0	5.4	4.7
28	17.8	23.1	20.7	85.0	1.7	0.0	1.7	0.0
29	17.5	22.5	19.6	90.0	19.0	0.0	19.0	.1
30	17.8	21.2	18.7	94.7	4.0	.1	4.1	.2
31	17.0	24.8	19.6	87.0	52.0	0.0	52.0	.7
Total :					139.1	333.1	472.2	101.0
Promedio :	17.3	26.1	21.4	81.7				

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	25.2	20.5	83.7	.3	.2	.5	2.6
2	18.2	25.4	20.1	93.0	.2	2.1	2.3	1.3
3	17.2	24.1	19.0	94.0	17.5	0.0	17.5	1.1
4	17.0	27.5	21.0	82.3	1.1	0.0	1.1	3.9
5	16.7	27.0	21.2	81.7	1.0	1.6	2.6	4.7
6	17.8	25.3	20.2	86.7	0.0	24.0	24.0	1.0
7	16.9	26.3	20.8	86.0	12.3	0.0	12.3	3.4
8	18.0	24.8	21.0	81.0	.3	0.0	.3	3.7
9	17.2	26.7	21.6	83.3	0.0	29.0	29.0	3.5
10	17.0	28.0	21.2	81.0	19.0	0.0	19.0	5.7
11	17.2	26.3	19.6	83.7	18.0	14.0	32.0	3.2
12	16.8	26.0	20.8	83.0	0.0	23.0	23.0	4.6
13	18.0	25.0	19.3	91.0	19.1	0.0	19.1	1.1
14	17.5	24.0	19.6	92.7	7.2	2.0	9.2	2.0
15	17.2	28.3	20.9	82.7	7.2	0.0	7.2	6.2
16	18.1	25.0	20.8	89.7	3.0	.7	3.7	1.5
17	18.3	28.1	22.4	79.0	4.0	48.0	52.0	4.1
18	17.0	26.2	20.4	86.3	25.0	4.0	29.0	1.6
19	18.0	23.9	19.9	90.0	24.0	0.0	24.0	.2
20	17.9	26.2	20.3	83.0	33.0	0.0	33.0	1.8
21	17.7	25.9	20.0	84.0	.9	.8	1.7	2.2
22	16.7	26.9	20.8	83.3	0.0	0.0	0.0	3.3
23	17.0	26.2	21.3	79.3	0.0	0.0	0.0	3.1
24	18.0	25.2	20.2	88.0	6.1	.3	6.4	.7
25	17.0	28.2	21.0	80.0	1.9	12.9	14.8	5.3
26	17.1	22.2	18.4	94.0	5.6	.2	5.8	.1
27	17.3	27.0	21.1	82.0	1.0	0.0	1.0	3.4
28	18.0	26.7	20.3	85.7	12.4	0.0	12.4	1.4
29	16.3	26.2	20.3	84.3	8.7	0.0	8.7	4.3
30	16.5	25.4	21.1	82.0	2.4	.3	2.7	3.6
Total :					231.2	163.1	394.3	84.6
Promedio :	17.4	26.0	20.5	85.2				

Estación : SANTA ROSITA  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : EL PEÑON

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

Mayo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.9	24.3	19.0	93.3	0.0	0.0	0.0	1.8
2	16.9	27.0	20.2	86.0	3.1	0.0	3.1	3.7
3	17.0	25.2	19.8	86.0	1.0	54.0	55.0	1.7
4	17.2	25.0	20.1	87.0	.7	1.7	2.4	.5
5	18.0	23.2	19.7	94.7	12.0	0.0	12.0	.4
6	17.9	23.0	20.3	84.0	0.0	0.0	0.0	1.0
7	17.2	27.0	20.5	80.0	11.0	8.0	19.0	3.3
8	18.5	25.6	21.4	84.3	0.0	1.5	1.5	2.2
9	18.0	23.6	20.3	89.0	2.0	0.0	2.0	1.1
10	17.6	27.1	21.2	81.0	.6	.2	.8	5.5
11	17.5	25.6	20.4	78.0	1.0	13.0	14.0	5.4
12	17.9	23.4	19.9	84.3	0.0	0.0	0.0	.8
13	16.0	27.9	21.8	77.0	0.0	0.0	0.0	5.1
14	17.9	27.4	22.1	82.0	0.0	0.0	0.0	5.4
15	18.5	24.9	21.1	79.7	0.0	0.0	0.0	.2
16	17.0	27.2	22.3	73.3	0.0	0.0	0.0	3.9
17	18.6	26.9	21.4	82.0	.8	0.0	.8	2.2
18	18.0	25.0	20.7	81.7	.8	0.0	.8	5.1
19	17.5	26.1	21.9	61.3	0.0	0.0	0.0	6.1
20	17.3	29.8	23.8	55.0	0.0	0.0	0.0	9.5
21	18.4	29.4	24.0	59.0	0.0	0.0	0.0	9.3
22	17.7	29.4	22.6	73.7	0.0	0.0	0.0	6.0
23	18.7	25.4	21.4	75.7	0.0	.2	.2	.2
24	18.0	25.7	21.3	79.0	.2	0.0	.2	1.5
25	18.6	26.0	22.2	80.3	0.0	1.8	1.8	3.9
26	17.2	23.2	19.0	88.7	9.5	0.0	9.5	.4
27	17.0	23.7	19.4	90.7	1.0	24.0	25.0	1.6
28	16.6	19.8	17.8	94.7	42.0	3.0	45.0	0.0
29	16.0	23.2	19.0	87.3	3.1	0.0	3.1	0.0
30	16.8	24.3	20.8	81.7	.3	0.0	.3	1.0
31	16.6	28.9	20.9	81.0	5.6	0.0	5.6	6.5
Total :					94.7	107.4	202.1	95.3
Promedio :	17.5	25.6	20.8	81.0				

Junio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.9	25.4	21.0	84.7	1.1	2.0	3.1	1.5
2	17.6	27.3	21.4	83.7	14.8	1.0	15.8	5.4
3	17.9	24.5	19.5	85.3	1.8	0.0	1.8	.6
4	17.5	25.9	21.1	73.0	0.0	0.0	0.0	5.9
5	17.9	26.1	21.6	70.0	0.0	0.0	0.0	2.6
6	16.2	27.1	21.6	75.7	0.0	0.0	0.0	5.9
7	18.4	24.3	21.2	81.3	0.0	0.0	0.0	1.5
8	17.5	24.9	20.3	87.7	0.0	0.0	0.0	1.0
9	16.5	26.4	21.7	82.0	0.0	0.0	0.0	3.5
10	18.1	27.9	21.8	75.0	0.0	0.0	0.0	4.6
11	18.4	26.3	21.5	77.7	0.0	0.0	0.0	1.6
12	18.0	26.5	21.6	68.3	0.0	0.0	0.0	3.5
13	17.6	27.6	22.9	62.0	0.0	0.0	0.0	7.9
14	18.1	27.5	22.8	64.3	0.0	0.0	0.0	7.3
15	18.3	24.9	20.8	77.3	.9	.6	1.5	.4
16	16.6	25.4	19.3	88.7	4.6	0.0	4.6	1.3
17	15.7	24.4	20.8	75.0	0.0	0.0	0.0	3.9
18	16.8	26.9	22.1	75.0	0.0	0.0	0.0	5.8
19	17.2	25.9	20.4	81.3	8.3	.5	8.8	3.6
20	17.7	26.4	21.4	78.0	0.0	.5	.5	2.2
21	18.1	26.6	22.2	74.7	0.0	0.0	0.0	6.8
22	17.9	24.5	20.6	76.3	0.0	2.2	2.2	.9
23	16.0	23.4	18.6	91.3	20.0	2.0	22.0	.7
24	15.3	25.7	19.8	84.7	1.8	0.0	1.8	4.4
25	16.6	26.8	21.8	66.0	0.0	0.0	0.0	7.3
26	17.1	27.7	22.4	68.3	0.0	0.0	0.0	7.0
27	18.1	24.9	20.2	80.0	5.4	0.0	5.4	.7
28	17.1	26.6	21.5	67.3	0.0	0.0	0.0	3.5
29	16.4	25.4	21.0	63.3	.2	0.0	.2	2.8
30	16.0	28.2	22.3	56.0	0.0	0.0	0.0	8.4
31								
Total :					58.9	8.8	67.7	112.5
Promedio :	17.3	26.0	21.2	75.8				

Estación : SANTA ROSITA  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : EL PEÑON

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

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.7	29.9	23.4	51.7	0.0	0.0	0.0	7.3
2	17.9	26.9	22.0	62.3	0.0	0.0	0.0	4.7
3	17.4	28.3	19.3	90.3	2.1	.9	3.0	4.7
4	17.1	24.6	20.6	81.3	0.0	1.6	1.6	2.4
5	17.0	22.2	19.5	82.7	8.8	.2	9.0	.8
6	17.5	24.5	20.0	85.3	0.0	0.0	0.0	1.5
7	17.1	24.6	20.2	79.3	3.5	0.0	3.5	1.9
8	17.1	25.9	20.4	83.0	.2	0.0	.2	4.5
9	17.4	23.6	19.6	87.3	3.7	1.2	4.9	1.4
10	17.2	27.2	20.6	80.0	.4	0.0	.4	3.3
11	16.7	27.4	20.5	74.0	0.0	.3	.3	5.3
12	16.6	28.4	22.2	65.7	0.0	0.0	0.0	7.9
13	15.4	28.8	21.7	70.3	0.0	0.0	0.0	6.5
14	16.6	28.6	20.7	66.7	.8	0.0	.8	5.4
15	15.6	27.3	20.9	69.0	0.0	0.0	0.0	6.1
16	15.7	24.9	20.0	76.3	0.0	.6	.6	2.1
17	17.1	25.8	20.8	75.0	0.0	3.3	3.3	3.1
18	16.3	25.4	20.4	82.7	.9	1.0	1.9	2.7
19	17.8	24.2	20.0	84.3	.1	9.9	10.0	2.6
20	14.6	28.9	22.3	65.7	0.0	0.0	0.0	8.1
21	15.4	27.8	21.7	62.0	1.2	0.0	1.2	6.1
22	17.6	27.8	20.6	78.0	0.0	0.0	0.0	1.9
23	15.9	27.3	20.7	76.7	0.0	0.0	0.0	5.6
24	17.2	29.0	21.0	72.3	0.0	0.0	0.0	4.3
25	15.4	25.4	19.9	76.3	0.0	2.0	2.0	1.9
26	16.7	28.4	21.4	77.3	0.0	0.0	0.0	4.8
27	16.6	29.4	21.9	66.0	0.0	0.0	0.0	5.1
28	18.4	26.8	20.8	81.7	15.0	0.0	15.0	3.9
29	17.5	26.9	21.8	71.7	.2	0.0	.2	4.2
30	17.6	26.8	20.2	77.7	.2	0.0	.2	2.5
31	16.5	27.4	22.1	60.0	0.0	0.0	0.0	5.4
Total :					37.1	21.0	58.1	128.0
Promedio :	16.8	26.8	20.9	74.6				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.7	26.4	21.8	66.3	0.0	0.0	0.0	4.5
2	17.6	29.2	22.8	62.7	.1	.2	.3	8.7
3	18.3	27.9	22.5	62.3	0.0	0.0	0.0	3.9
4	17.8	26.6	20.7	78.3	11.8	0.0	11.8	1.9
5	16.7	25.6	21.6	78.7	0.0	9.5	9.5	1.2
6	16.4	23.6	19.6	90.0	.8	6.4	7.2	1.1
7	16.3	25.2	19.0	83.3	19.2	0.0	19.2	1.8
8	16.9	25.4	20.4	82.3	.1	8.7	8.8	4.5
9	15.6	28.8	19.4	78.0	6.5	1.5	8.0	7.0
10	16.9	26.8	21.4	76.7	0.0	0.0	0.0	4.9
11	17.5	27.2	22.0	67.7	0.0	0.0	0.0	6.1
12	16.5	26.5	20.3	73.0	.5	0.0	.5	1.0
13	15.3	27.9	19.4	79.0	18.5	.9	19.4	3.4
14	15.1	27.8	19.8	80.3	16.5	11.9	28.4	6.5
15	15.7	22.6	18.6	88.7	.3	0.0	.3	.4
16	15.5	24.2	19.9	75.7	0.0	0.0	0.0	1.7
17	16.4	26.6	19.5	80.3	0.0	0.0	0.0	3.9
18	15.7	26.8	20.6	82.3	2.6	1.1	3.7	6.2
19	17.1	27.3	20.6	79.0	1.5	15.7	17.2	3.4
20	15.9	24.2	20.6	76.7	0.0	13.1	13.1	3.2
21	16.9	24.8	20.0	86.0	0.0	8.8	8.8	2.0
22	17.4	27.0	21.2	76.7	0.0	0.0	0.0	6.6
23	16.8	26.8	22.1	67.0	0.0	0.0	0.0	6.6
24	16.8	29.2	20.0	82.0	27.7	0.0	27.7	6.1
25	16.4	25.5	19.5	82.0	1.2	0.0	1.2	3.4
26	16.9	24.6	20.8	83.0	0.0	0.0	0.0	1.3
27	17.6	24.9	20.3	88.3	.3	0.0	.3	1.9
28	16.4	28.6	20.7	76.3	5.0	0.0	5.0	7.1
29	15.4	27.4	21.5	75.3	0.0	6.9	6.9	7.7
30	17.7	25.8	21.2	71.7	0.0	0.0	0.0	3.2
31	16.5	26.8	21.0	60.0	0.0	0.0	0.0	2.5
Total :					112.6	84.7	197.3	123.7
Promedio :	16.6	26.4	20.6	77.1				

Estación : SANTA ROSITA  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : EL PEÑON

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.6	27.9	21.4	73.7	0.0	0.0	0.0	3.9
2	16.9	28.2	20.4	78.7	2.5	0.0	2.5	4.2
3	16.4	24.4	19.4	88.0	1.3	0.0	1.3	1.5
4	17.4	26.9	21.2	80.7	1.6	0.0	1.6	5.5
5	17.6	26.2	21.5	73.7	0.0	0.0	0.0	3.7
6	16.8	28.6	21.4	73.7	.5	0.0	.5	8.0
7	17.8	27.7	21.0	74.7	5.4	2.5	7.9	6.1
8	17.7	25.1	19.0	90.3	4.3	0.0	4.3	1.5
9	16.5	27.8	19.8	85.3	5.9	.3	6.2	3.4
10	16.3	25.4	21.0	80.7	0.0	0.0	0.0	2.5
11	17.2	24.6	19.1	84.3	23.8	.1	23.9	1.6
12	14.9	26.4	19.0	84.0	50.4	10.5	60.9	4.6
13	16.0	26.8	20.1	74.7	0.0	6.7	6.7	6.5
14	17.0	26.9	21.7	60.3	0.0	13.6	13.6	7.7
15	15.1	26.6	20.3	65.3	0.0	0.0	0.0	5.1
16	16.1	27.4	20.6	77.7	0.0	0.0	0.0	3.6
17	16.7	27.8	20.1	81.3	3.1	0.0	3.1	4.4
18	16.9	24.8	20.0	76.7	.6	.1	.7	.5
19	17.2	25.9	21.4	75.7	0.0	81.5	81.5	4.8
20	15.9	24.4	20.3	79.3	2.8	0.0	2.8	3.3
21	17.5	26.1	19.8	83.3	2.5	0.0	2.5	2.4
22	16.8	26.8	20.2	80.7	14.0	.8	14.8	4.1
23	16.3	27.4	20.1	83.0	.6	0.0	.6	2.7
24	17.1	27.9	21.6	74.0	0.0	0.0	0.0	4.3
25	16.9	25.4	20.6	82.7	2.4	.1	2.5	1.7
26	17.0	24.8	20.4	85.0	0.0	2.9	2.9	1.4
27	16.6	27.1	20.7	80.3	1.5	0.0	1.5	4.6
28	17.0	27.0	21.2	82.0	0.0	0.0	0.0	5.1
29	16.1	28.0	21.1	81.7	2.7	.1	2.8	4.5
30	18.0	28.7	21.4	77.3	1.2	0.0	1.2	6.3
31								
Total :					127.1	119.2	246.3	119.5
Promedio :	16.7	26.6	20.5	79.0				

Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	27.6	22.0	69.7	0.0	0.0	0.0	3.5
2	17.1	29.2	21.9	68.7	0.0	0.0	0.0	4.5
3	16.1	28.2	20.9	80.7	27.5	0.0	27.5	4.9
4	16.9	28.3	21.3	79.3	10.7	3.6	14.3	3.2
5	16.8	26.2	20.0	84.7	6.9	3.4	10.3	5.6
6	16.9	26.1	20.5	83.0	.1	0.0	.1	2.9
7	16.7	25.2	20.3	85.7	.3	34.4	34.7	2.4
8	16.3	27.4	20.8	82.3	1.1	1.2	2.3	7.0
9	17.5	25.8	21.3	74.3	0.0	0.0	0.0	3.0
10	16.2	28.6	22.4	65.0	0.0	0.0	0.0	7.1
11	16.1	29.4	21.8	74.3	3.4	0.0	3.4	7.3
12	16.3	27.2	21.5	78.0	0.0	34.2	34.2	6.7
13	15.4	26.1	20.1	85.0	6.7	1.0	7.7	5.2
14	16.5	27.1	20.6	81.0	0.0	.1	.1	3.7
15	16.8	26.9	19.4	84.3	50.9	5.0	55.9	3.4
16	15.7	25.4	20.2	82.7	0.0	0.0	0.0	2.1
17	17.4	28.0	20.5	83.7	2.8	3.7	6.5	3.9
18	16.7	27.0	20.8	84.7	0.0	32.4	32.4	4.1
19	16.9	23.4	19.5	85.7	0.0	.2	.2	3.4
20	16.9	24.4	19.1	93.0	7.8	.3	8.1	.7
21	16.6	26.5	20.0	83.0	1.4	.3	1.7	3.5
22	16.2	26.2	19.6	82.7	1.2	17.0	18.2	3.0
23	16.5	28.2	19.8	82.0	12.0	4.0	16.0	5.5
24	16.2	25.2	19.7	83.0	14.3	12.5	26.8	3.0
25	15.8	24.2	19.4	85.7	14.0	9.8	23.8	1.8
26	16.1	27.0	20.6	79.0	.4	.1	.5	7.4
27	17.2	27.1	21.2	79.7	.3	4.6	4.9	5.3
28	17.6	28.4	21.2	78.3	20.9	.5	21.4	2.9
29	17.1	26.2	20.6	80.3	25.0	31.6	56.6	5.0
30	16.2	25.2	20.8	81.7	0.0	0.0	0.0	3.2
31	18.6	25.9	21.2	85.0	1.3	.3	1.6	2.3
Total :					209.0	200.2	409.2	127.5
Promedio :	16.7	26.7	20.6	80.8				

Estación : SANTA ROSITA  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : EL PEÑON

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

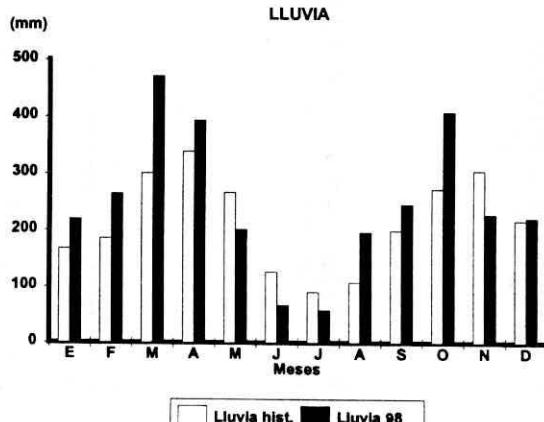
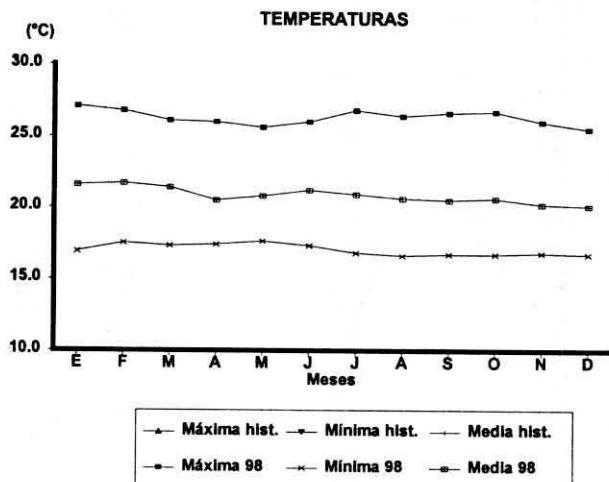
Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.1	28.0	21.0	80.3	12.3	0.0	12.3	4.8
2	16.9	27.8	20.9	80.7	3	0.0	.3	4.4
3	17.9	27.2	20.2	84.7	2.1	0.0	2.1	3.0
4	17.8	24.9	19.8	91.3	5.9	8.6	14.5	1.4
5	16.9	26.8	21.2	84.7	1.0	9.0	10.0	5.9
6	16.5	24.6	19.8	87.7	.1	.2	.3	1.0
7	15.9	24.2	19.3	84.3	.6	0.0	.6	.6
8	16.2	26.4	20.6	81.7	0.0	0.0	0.0	4.7
9	16.7	25.4	20.1	83.3	.5	19.1	19.6	1.7
10	16.8	26.2	20.4	84.0	8.0	3.5	11.5	6.8
11	15.5	26.0	20.0	84.0	3.2	1.9	5.1	3.6
12	17.0	27.8	19.7	85.0	7.1	3.0	10.1	4.5
13	16.8	26.1	20.3	83.7	7.5	39.5	47.0	3.9
14	16.7	25.2	20.2	84.3	0.0	0.0	0.0	4.0
15	17.1	25.9	20.6	84.3	.1	0.0	.1	2.4
16	17.4	26.2	21.1	83.3	0.0	0.0	0.0	2.4
17	17.7	27.6	21.0	82.7	1.1	0.0	1.1	6.0
18	17.1	26.0	21.0	85.7	0.0	0.0	0.0	1.7
19	17.0	27.9	20.7	79.3	18.9	0.0	18.9	3.9
20	16.6	24.8	18.8	86.3	26.0	.5	26.5	1.8
21	16.2	25.8	19.8	86.3	4.5	25.7	30.2	3.6
22	16.2	24.9	19.5	86.0	6.0	10.0	16.0	2.0
23	16.1	26.2	20.3	81.3	0.0	0.0	0.0	7.8
24	17.2	26.1	20.6	83.3	0.0	0.0	0.0	6.0
25	16.4	25.9	20.5	79.3	0.0	2.5	2.5	6.8
26	16.8	24.9	19.6	87.0	.2	0.0	.2	2.3
27	16.7	25.1	20.0	85.0	0.0	0.0	0.0	4.1
28	17.0	22.3	19.2	85.7	0.0	0.0	0.0	2.0
29	16.9	27.0	20.8	80.7	0.0	0.0	0.0	5.8
30	17.1	25.8	20.4	82.7	0.0	0.0	0.0	3.6
31								
Total :					105.4	123.5	228.9	112.5
Promedio :	16.8	26.0	20.2	84.0				
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	25.4	20.5	80.3	0.0	0.0	0.0	5.8
2	17.0	26.2	20.8	80.3	0.0	0.0	0.0	3.7
3	17.4	26.9	21.0	78.0	0.0	2.8	2.8	5.9
4	17.8	24.1	20.4	84.0	0.0	0.0	0.0	.7
5	17.2	27.1	20.5	82.3	20.0	.5	20.5	3.6
6	17.4	23.2	19.1	95.3	9.0	2.0	11.0	2.3
7	17.1	24.8	20.0	87.7	0.0	3.0	3.0	2.7
8	16.0	25.9	20.0	83.0	0.0	2.0	2.0	4.0
9	17.6	25.2	20.3	84.7	0.0	12.0	12.0	2.5
10	17.4	24.2	20.2	86.3	0.0	5.0	5.0	.2
11	17.7	25.8	19.8	84.0	34.5	2.1	36.6	2.1
12	16.8	24.2	19.7	90.7	0.0	1.9	1.9	2.4
13	16.9	25.4	21.0	83.7	0.0	3.4	3.4	2.3
14	17.8	26.6	20.5	85.0	5.9	.2	6.1	2.8
15	17.9	26.4	20.6	82.0	.3	0.0	.3	2.5
16	16.2	27.2	20.9	80.3	0.0	0.0	0.0	4.3
17	15.9	27.1	19.7	84.0	12.0	1.5	13.5	2.6
18	16.2	26.2	20.0	84.7	0.0	0.0	0.0	2.6
19	16.8	26.0	19.8	85.7	6.4	.2	6.6	3.4
20	16.2	26.7	20.0	84.3	10.0	22.2	32.2	4.9
21	16.6	25.0	19.7	81.0	0.0	0.0	0.0	5.7
22	16.0	25.4	19.9	78.7	0.0	0.0	0.0	7.1
23	15.0	25.0	19.1	87.7	.1	.1	.2	4.3
24	16.2	26.1	20.5	75.7	0.0	0.0	0.0	2.2
25	15.9	25.9	19.9	81.7	0.0	38.0	38.0	3.0
26	16.4	26.0	20.1	87.0	.8	0.0	.8	3.4
27	16.2	24.1	19.9	86.0	0.0	13.2	13.2	1.8
28	15.8	24.0	19.4	86.3	8.6	.2	8.8	3.2
29	16.9	24.9	19.5	88.7	.1	0.0	.1	2.0
30	16.6	25.9	20.1	83.7	0.0	4.5	4.5	5.0
31	16.0	23.1	19.8	83.7	0.0	0.0	0.0	1.3
Total :					107.7	114.8	222.5	100.3
Promedio :	16.7	25.5	20.1	84.1				

Estación : SANTA ROSITA  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : EL PEÑON

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

MES	TEMPERATURA °C					PRECIPITACION			
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	16.9	27.1	21.6	30.8	14.5	77.5	220.5	14	145.2
Febrero	17.5	26.8	21.7	31.2	15.4	80.9	265.7	12	108.2
Marzo	17.3	26.1	21.4	29.2	15.2	81.7	472.2	24	101.0
Abril	17.4	26.0	20.5	28.3	16.3	85.2	394.3	28	84.6
Mayo	17.6	25.6	20.8	29.8	16.0	81.0	202.1	20	95.3
Junio	17.3	26.0	21.2	28.2	15.3	75.8	67.7	12	112.5
Julio	18.8	26.8	20.9	29.9	14.6	74.6	58.1	18	128.0
Agosto	16.6	26.4	20.6	29.2	15.1	77.1	197.3	20	123.7
Septiembre	16.7	26.6	20.5	28.7	14.9	79.0	246.3	23	119.5
Octubre	16.7	26.7	20.6	29.4	15.4	80.8	409.2	25	127.5
Noviembre	16.8	26.0	20.2	28.0	15.5	84.0	228.9	20	112.5
Diciembre	16.7	25.5	20.1	27.2	15.0	84.1	222.5	22	100.3
Promedio :	17.0	26.3	20.8			80.1			
Absoluta :				31.2	14.5				
Total :							2984.8	238	1358.3



■ Lluvia hist. ■ Lluvia 98

Estación : SANTA BARBARA  
 Año : 1998

Dpto. : CUNDINAMARCA  
 Mpio. : SASAIMA

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

Enero	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	26.0	21.5	72.3	0.0	0.0	0.0	2.1
2	14.8	29.0	21.5	51.3	0.0	0.0	0.0	9.0
3	19.0	29.1	23.0	33.3	0.0	0.0	0.0	10.2
4	17.7	31.8	24.6	47.7	0.0	0.0	0.0	9.5
5	19.6	30.5	24.2	47.7	0.0	0.0	0.0	7.9
6	17.8	29.0	22.2	61.7	0.0	.3	.3	5.1
7	17.5	25.5	20.4	70.3	0.0	.3	.3	1.4
8	18.6	30.0	22.2	61.7	0.0	0.0	0.0	6.2
9	16.5	24.5	20.2	65.7	3.7	0.0	3.7	2.2
10	17.0	25.0	20.9	73.0	0.0	0.0	0.0	1.1
11	17.7	29.5	22.2	62.0	0.0	0.0	0.0	5.4
12	18.8	25.0	21.4	68.3	2.7	0.0	2.7	1.3
13	16.5	28.2	22.2	67.0	.2	27.8	28.0	5.6
14	18.6	23.5	19.7	76.7	25.1	0.0	25.1	1.6
15	18.2	27.5	21.8	67.3	0.0	0.0	0.0	5.2
16	17.2	29.5	22.2	58.3	.1	13.8	13.9	6.6
17	16.9	25.4	20.3	66.0	.1	.8	.9	3.7
18	18.1	27.0	20.7	67.7	25.3	1.4	26.7	2.9
19	15.8	26.8	21.2	72.0	0.0	.3	.3	4.4
20	19.0	23.0	19.9	80.0	2.0	0.0	2.0	.5
21	16.2	26.5	21.0	69.0	0.0	0.0	0.0	5.6
22	16.8	29.0	22.4	63.7	0.0	0.0	0.0	7.3
23	18.0	29.5	22.4	62.0	0.0	0.0	0.0	7.0
24	17.5	28.5	22.2	67.7	0.0	0.0	0.0	6.4
25	16.2	27.0	21.3	67.3	0.0	0.0	0.0	6.3
26	16.5	27.0	20.8	73.0	0.0	0.0	0.0	4.8
27	17.8	27.6	21.0	67.3	21.6	0.0	21.6	4.2
28	16.8	25.0	20.5	69.7	0.0	0.0	0.0	2.2
29	16.0	28.0	21.2	62.3	0.0	0.0	0.0	5.2
30	16.8	26.5	21.5	70.7	2.6	0.0	2.6	4.5
31	18.0	28.2	22.0	72.0	0.0	1.3	1.3	2.4
Total :					83.4	46.0	129.4	
Promedio :	17.4	27.4	21.6	65.0				147.8
Febrero	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.6	28.2	22.4	70.0	0.0	0.0	0.0	6.1
2	18.2	32.5	23.6	53.7	0.0	0.0	0.0	9.2
3	19.0	29.8	23.8	54.0	0.0	.4	.4	4.1
4	19.8	25.2	21.7	70.0	.3	0.0	.3	.5
5	18.2	27.5	22.2	64.7	.7	0.0	.7	3.0
6	18.8	25.8	21.0	71.7	.6	0.0	.6	1.3
7	18.5	27.2	21.2	70.7	19.0	8.1	27.1	2.2
8	19.0	21.0	19.4	80.0	30.0	0.0	30.0	0.0
9	17.8	23.5	19.8	82.7	4.5	8.7	13.2	.3
10	16.0	21.8	18.8	85.0	0.0	1.2	1.2	0.0
11	17.2	20.5	19.0	89.0	.8	0.0	.8	0.0
12	16.5	25.2	19.8	81.7	.8	.1	.9	.5
13	17.8	27.8	21.6	63.7	1.7	15.9	17.6	4.8
14	17.5	28.4	20.8	64.3	18.9	0.0	18.9	4.7
15	16.6	25.9	20.6	66.0	4.5	0.0	4.5	4.9
16	18.8	28.5	24.1	48.7	0.0	0.0	0.0	9.9
17	17.8	31.5	24.9	42.7	0.0	0.0	0.0	10.4
18	18.0	29.8	22.3	59.7	2.5	.2	2.7	6.8
19	17.0	28.5	23.2	61.3	0.0	44.9	44.9	7.2
20	18.0	28.0	21.9	62.7	0.0	14.3	14.3	3.3
21	19.0	27.0	21.4	71.3	1.7	29.7	31.4	1.8
22	17.0	25.5	21.4	71.7	0.0	0.0	0.0	2.2
23	17.8	25.4	21.9	71.0	.4	17.9	18.3	1.0
24	17.5	26.5	21.2	80.0	39.4	45.5	84.9	2.5
25	19.0	26.8	22.4	81.3	0.0	0.0	0.0	2.7
26	16.2	27.3	21.4	83.3	0.0	0.0	0.0	6.2
27	17.0	27.0	19.6	85.0	41.2	0.0	41.2	3.0
28	15.3	29.1	22.2	78.0	0.0	.4	.4	6.8
29								
30								
31								
Total :					167.0	187.3	354.3	
Promedio :	17.8	26.8	21.6	70.1				105.4

Estación : SANTA BARBARA  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : SASAIMA

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	27.5	22.8	79.0	0.0	2.5	2.5	1.5
2	18.0	26.5	21.1	84.3	0.0	0.0	0.0	3.1
3	17.4	26.0	21.6	75.0	.1	0.0	.1	4.4
4	18.0	28.0	23.3	71.7	0.0	0.0	0.0	3.9
5	17.4	25.0	20.0	92.3	6.4	0.0	6.4	1.8
6	17.2	26.8	22.4	77.0	2.5	0.0	2.5	2.4
7	17.6	26.2	21.6	85.7	.4	.6	1.0	2.2
8	18.0	27.2	22.2	79.3	0.0	0.0	0.0	4.8
9	17.0	25.5	21.5	85.3	0.0	6.1	6.1	1.0
10	16.6	28.2	22.0	75.3	0.0	1.7	1.7	6.6
11	18.0	28.4	22.2	77.7	0.0	7.6	7.6	5.3
12	18.6	26.5	22.0	80.7	0.0	5.2	5.2	3.8
13	18.2	26.5	21.8	80.3	0.0	0.0	0.0	1.6
14	17.2	27.4	22.0	81.0	.5	9.2	9.7	5.8
15	16.2	24.7	20.2	88.0	.4	.1	.5	2.2
16	19.0	24.5	21.4	84.0	.1	12.8	12.9	0.0
17	16.8	27.8	20.7	82.3	2.8	0.0	2.8	5.2
18	17.2	30.0	22.9	75.7	.6	.2	.8	7.0
19	17.8	28.5	22.5	77.3	.3	0.0	.3	4.5
20	19.5	25.0	21.2	85.7	2.8	0.0	2.8	0.0
21	16.6	25.5	21.8	78.0	.1	9.0	9.1	.3
22	18.0	26.8	20.4	83.3	10.0	0.0	10.0	4.2
23	17.8	23.6	19.8	93.3	1.3	.2	1.5	.2
24	17.0	26.5	20.7	84.0	0.0	0.0	0.0	1.1
25	19.0	25.2	21.4	90.3	0.0	0.0	0.0	2.2
26	18.4	27.5	21.4	82.0	8.8	0.0	8.8	1.4
27	17.2	25.5	20.5	86.0	10.6	0.0	10.6	3.5
28	17.5	22.8	19.6	92.0	9.7	0.0	9.7	0.0
29	17.8	24.0	20.2	93.0	27.8	0.0	27.8	.6
30	18.0	20.8	19.3	95.3	19.4	2.0	21.4	0.0
31	18.0	24.0	20.0	91.7	15.9	.1	16.0	.5
Total :					120.5	57.3	177.8	81.1
Promedio :	17.7	26.1	21.3	83.4				

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	25.4	20.7	86.0	.2	0.0	.2	.7
2	18.0	24.7	20.8	92.3	24.9	2.6	27.5	1.4
3	18.1	25.0	20.3	89.0	18.8	1.5	20.3	.7
4	17.4	25.5	21.1	91.0	.9	2.0	2.9	3.6
5	17.8	26.0	21.4	85.7	.1	0.0	.1	3.6
6	18.6	25.0	21.5	83.0	.7	8.8	9.5	2.6
7	16.6	24.8	21.3	86.7	.4	28.2	28.6	3.1
8	18.0	26.0	20.4	90.0	.3	0.0	.3	4.8
9	16.5	27.0	21.9	78.0	0.0	0.0	0.0	4.1
10	17.0	28.0	22.2	77.7	0.0	0.0	0.0	6.1
11	17.4	27.0	21.2	86.7	7.4	12.0	19.4	3.3
12	17.6	24.8	21.0	87.0	4.5	34.0	38.5	1.9
13	18.4	23.9	19.5	93.3	21.0	.1	21.1	1.3
14	18.0	24.5	21.0	85.0	.2	0.0	.2	.9
15	17.0	28.5	22.4	73.7	0.0	0.0	0.0	4.9
16	19.8	25.0	21.5	93.7	7.9	7.7	15.6	.4
17	19.0	26.0	22.0	92.3	6.8	1.4	8.2	3.0
18	18.5	24.2	20.8	91.0	8.0	20.6	28.6	1.3
19	18.4	23.2	20.4	91.3	15.7	0.0	15.7	0.0
20	17.6	25.4	21.4	85.7	.7	3.3	4.0	1.8
21	18.2	25.0	20.2	90.0	29.2	0.0	29.2	2.5
22	17.5	25.6	21.0	86.3	1.0	0.0	1.0	3.1
23	17.6	26.5	21.2	83.3	0.0	0.0	0.0	2.3
24	18.0	25.9	21.7	82.3	1.3	0.0	1.3	1.7
25	17.0	27.5	21.2	83.0	4.3	.1	4.4	4.4
26	17.4	27.0	19.8	92.7	6.7	.1	6.8	.4
27	17.9	25.8	22.3	79.7	.6	.4	1.0	2.3
28	18.2	25.2	21.0	93.0	4.2	1.1	5.3	1.6
29	17.5	25.0	20.0	88.7	12.0	0.0	12.0	2.6
30	17.0	26.0	21.9	80.7	0.0	0.0	0.0	2.4
31								
Total :					177.8	123.9	301.7	72.8
Promedio :	17.8	25.6	21.1	86.6				

Estación : SANTA BARBARA  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : SASAIMA

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

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.6	23.1	20.8	90.3	27.5	.1	27.6	.1
2	17.8	26.9	20.6	85.7	35.7	6.5	42.2	4.0
3	17.0	23.4	19.4	92.7	3.2	7.5	10.7	.2
4	18.4	23.5	20.4	88.7	3.0	1.6	4.6	.3
5	19.0	21.2	19.6	92.7	10.9	.9	11.8	0.0
6	18.6	23.2	19.7	90.3	0.0	0.0	0.0	.1
7	17.0	27.8	21.5	74.0	0.0	0.0	0.0	5.4
8	18.0	25.6	21.0	88.7	33.3	.3	33.6	2.1
9	18.1	26.5	22.2	75.0	3.2	0.0	3.2	3.5
10	17.7	29.2	21.6	75.3	5.3	.2	5.5	4.5
11	16.5	27.5	21.0	79.0	.2	.9	1.1	5.2
12	18.0	24.0	20.3	90.3	.4	0.0	.4	.6
13	16.0	27.5	23.0	63.3	0.0	0.0	0.0	6.6
14	17.2	26.5	22.1	76.3	0.0	.8	.8	3.7
15	18.0	25.2	20.6	88.0	0.0	0.0	0.0	0.0
16	17.0	27.5	22.5	70.0	0.0	0.0	0.0	6.7
17	18.3	25.5	21.4	82.3	.1	0.0	.1	1.1
18	18.8	26.5	22.5	68.0	0.0	0.0	0.0	5.6
19	17.5	27.4	22.3	69.3	0.0	0.0	0.0	3.6
20	16.5	29.6	23.0	62.7	0.0	0.0	0.0	6.8
21	19.0	28.5	24.0	56.7	0.0	0.0	0.0	8.5
22	17.6	27.8	22.5	71.3	.1	0.0	.1	5.0
23	18.5	25.2	21.0	85.7	.3	0.0	.3	.6
24	18.8	24.8	21.4	84.3	7.0	0.0	7.0	.7
25	17.0	24.5	21.4	85.0	.6	.6	1.2	1.0
26	18.8	22.5	20.0	91.3	9.2	2.5	11.7	0.0
27	17.5	23.0	19.4	92.3	15.7	.8	16.5	.9
28	17.8	22.0	18.7	94.0	47.6	1.6	49.2	0.0
29	17.2	22.8	19.2	92.3	9.2	0.0	9.2	.2
30	15.9	23.5	20.2	88.0	.3	0.0	.3	.3
31	17.2	26.3	21.2	76.0	1.8	0.0	1.8	5.0
Total :					214.6	24.3	238.9	82.3
Promedio :	17.7	25.4	21.1	81.3				
Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.5	23.4	19.4	92.0	6.0	0.0	6.0	.3
2	17.2	24.8	20.2	87.3	1.8	1.1	2.9	2.9
3	17.8	24.6	19.4	87.3	.2	0.0	.2	.9
4	17.4	25.5	21.0	83.7	0.0	0.0	0.0	1.9
5	17.2	24.6	21.2	83.0	0.0	0.0	0.0	.9
6	15.0	26.0	21.6	70.0	0.0	0.0	0.0	4.8
7	17.0	24.5	20.3	82.0	.6	0.0	.6	.3
8	16.2	23.2	20.4	84.7	13.8	0.0	13.8	1.2
9	17.0	26.5	21.8	76.0	0.0	0.0	0.0	4.6
10	18.1	27.8	21.4	81.3	0.0	0.0	0.0	3.3
11	16.8	27.0	21.3	81.7	0.0	0.0	0.0	3.1
12	17.0	24.5	21.0	69.3	0.0	.1	.1	.6
13	16.2	29.8	22.9	64.3	0.0	.1	.1	7.3
14	17.8	28.7	22.4	69.3	0.0	1.1	1.1	4.6
15	18.5	24.0	20.5	84.7	.6	1.8	2.4	.4
16	16.2	25.0	19.3	85.0	0.0	0.0	0.0	2.8
17	15.2	26.0	20.2	77.7	0.0	0.0	0.0	3.3
18	16.0	28.0	22.1	70.3	0.0	0.0	0.0	6.7
19	16.0	27.8	20.6	77.7	.4	0.0	.4	3.1
20	16.2	28.0	21.2	75.7	0.0	0.0	0.0	2.0
21	17.0	27.0	21.8	72.0	0.0	2.0	2.0	4.5
22	16.4	24.0	20.6	87.3	1.2	.1	1.3	.7
23	17.6	26.0	19.5	84.7	0.0	0.0	0.0	1.9
24	15.8	26.5	20.6	68.7	0.0	0.0	0.0	3.3
25	17.5	26.5	22.3	58.0	.4	0.0	.4	5.6
26	16.4	27.8	22.5	62.3	0.0	0.0	0.0	4.7
27	17.0	24.5	19.6	79.3	4.6	0.0	4.6	1.3
28	17.9	25.0	20.2	76.0	9.2	0.0	9.2	2.7
29	15.8	25.2	21.4	49.7	0.0	0.0	0.0	.3
30	14.5	28.0	21.9	52.0	0.0	0.0	0.0	6.1
Total :					38.8	6.3	45.1	86.1
Promedio :	16.7	26.0	21.0	75.8				

Estación : SANTA BARBARA  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : SASAIMA

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

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	27.0	21.8	54.0	0.0	0.0	0.0	5.5
2	18.0	24.5	20.8	70.7	0.0	.3	.3	1.4
3	16.2	27.5	20.5	78.3	6.0	0.0	6.0	5.4
4	15.6	23.8	19.5	88.7	0.0	0.0	0.0	.5
5	17.6	23.5	19.7	88.3	2.0	0.0	2.0	2.0
6	16.8	24.0	19.6	86.7	.2	0.0	.2	1.0
7	15.2	24.4	19.2	83.0	0.0	0.0	0.0	3.1
8	16.5	25.6	20.4	84.7	7.5	41.0	48.5	2.9
9	16.2	24.2	20.2	87.0	0.0	7.5	7.5	2.5
10	16.0	24.5	19.0	84.0	21.0	0.0	21.0	1.0
11	16.2	24.6	19.8	81.3	0.0	0.0	0.0	3.2
12	18.0	27.8	22.0	63.3	0.0	0.0	0.0	8.0
13	15.2	28.2	21.8	64.0	0.0	0.0	0.0	6.3
14	16.5	25.8	20.2	65.0	.5	0.0	.5	3.6
15	16.9	24.4	20.2	74.7	.2	0.0	.2	1.7
16	15.6	23.0	19.0	85.7	3.5	0.0	3.5	.7
17	16.0	25.0	19.8	81.7	0.0	0.0	0.0	3.4
18	16.8	24.8	19.9	81.3	0.0	1.0	1.0	1.2
19	17.0	23.8	19.6	83.7	3.0	1.5	4.5	2.0
20	15.0	28.5	21.4	64.7	0.0	0.0	0.0	7.2
21	14.8	25.5	20.5	66.3	0.0	0.0	0.0	4.0
22	16.8	26.5	20.5	75.7	0.0	0.0	0.0	2.5
23	15.4	25.0	20.0	73.3	1.0	0.0	1.0	2.2
24	16.5	25.6	20.3	74.3	.8	0.0	.8	1.4
25	15.2	24.4	19.2	77.7	.8	.1	.9	1.5
26	16.0	28.8	20.8	75.7	0.0	0.0	0.0	3.6
27	15.5	27.4	22.1	67.7	0.0	0.0	0.0	5.4
28	17.6	26.0	20.8	73.7	.2	0.0	.2	3.2
29	15.8	25.6	19.8	86.0	7.8	0.0	7.8	3.4
30	16.6	24.4	19.4	74.7	.8	0.0	.8	3.8
31	17.2	26.5	21.7	55.0	0.0	0.0	0.0	4.2
Total :	16.3	25.5	20.3	75.8	55.3	51.4	106.7	97.8
Promedio :	16.3	25.5	20.3	75.8				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.7	25.0	20.8	71.3	0.0	0.0	0.0	1.3
2	18.7	27.7	22.9	57.0	0.0	0.0	0.0	8.1
3	18.0	27.2	21.6	58.3	0.0	0.0	0.0	4.0
4	18.1	27.8	21.5	67.7	0.0	0.0	0.0	3.7
5	16.6	27.0	21.4	74.3	0.0	3.9	3.9	2.4
6	17.2	23.4	19.2	87.0	1.0	4.9	5.9	.7
7	16.5	23.6	19.3	86.0	7.0	0.0	7.0	1.4
8	17.0	23.5	19.7	83.0	.1	0.0	.1	2.0
9	14.5	28.0	21.1	71.0	0.0	0.0	0.0	8.6
10	17.2	25.8	19.4	80.3	.8	0.0	.8	2.9
11	15.8	26.6	20.8	73.3	0.0	0.0	0.0	4.9
12	17.0	25.0	20.7	62.0	.1	0.0	.1	2.6
13	15.3	26.4	20.9	64.3	0.0	2.5	2.5	2.4
14	15.2	27.4	21.3	70.7	4.6	0.0	4.6	5.8
15	16.4	24.1	18.9	86.0	14.1	1.5	15.6	.6
16	14.4	24.5	19.4	75.0	0.0	0.0	0.0	3.1
17	15.8	25.2	18.0	90.7	9.3	0.0	9.3	2.7
18	14.5	25.6	21.4	72.0	0.0	30.9	30.9	5.3
19	16.2	27.8	20.0	78.7	1.9	13.4	15.3	5.2
20	16.0	24.0	19.2	88.7	1.0	.6	1.6	1.3
21	16.5	23.4	19.2	91.0	8.0	0.0	8.0	7.0
22	17.0	27.8	21.0	75.0	0.0	0.0	0.0	2.5
23	16.8	26.6	20.2	82.3	4.3	0.0	4.3	6.3
24	16.4	27.4	21.0	72.7	2.0	.2	2.2	7.1
25	16.1	25.4	20.5	77.0	6.0	0.0	6.0	3.6
26	16.6	24.6	20.9	76.0	0.0	0.0	0.0	1.6
27	16.8	24.8	19.8	87.3	.2	0.0	.2	3.2
28	14.6	27.0	21.7	67.3	0.0	0.0	0.0	8.3
29	14.9	27.5	21.9	59.7	0.0	0.0	0.0	7.7
30	17.6	25.0	20.6	74.3	.7	0.0	.7	3.0
31	16.4	25.4	20.2	68.0	0.0	0.0	0.0	2.0
Total :	16.3	25.8	20.5	75.1	61.1	57.9	119.0	121.3
Promedio :	16.3	25.8	20.5	75.1				

Estación : SANTA BARBARA  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : SASAIMA

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.8	26.6	20.8	71.3	1.6	0.0	1.6	4.8
2	15.6	28.4	20.8	78.7	4.0	1.1	5.1	5.1
3	16.6	24.0	19.8	84.0	.3	0.0	.3	.9
4	16.4	27.6	21.8	72.0	0.0	0.0	0.0	5.2
5	16.8	26.4	21.5	70.3	0.0	0.0	0.0	2.5
6	14.8	29.8	23.1	57.7	0.0	0.0	0.0	9.5
7	17.4	29.4	22.4	72.3	1.0	77.0	78.0	7.4
8	16.8	22.5	19.0	87.0	8.6	0.0	8.6	.8
9	16.5	24.4	19.5	84.3	13.7	.4	14.1	3.2
10	15.4	25.6	20.3	74.7	0.0	0.0	0.0	3.2
11	16.4	24.0	18.7	84.0	2.6	1.0	3.6	2.6
12	14.2	25.2	19.5	75.7	0.0	2.1	2.1	5.6
13	15.4	24.8	20.1	81.0	7.9	.3	8.2	5.1
14	16.2	26.6	22.0	63.0	0.0	16.0	16.0	7.1
15	15.3	27.4	20.3	71.3	.2	0.0	.2	4.2
16	15.6	27.0	19.5	81.0	3.2	0.0	3.2	3.2
17	16.4	27.6	20.9	80.3	2.1	0.0	2.1	5.5
18	16.8	23.8	20.2	83.0	0.0	.3	.3	.3
19	16.6	25.6	20.6	75.7	0.0	0.0	0.0	3.4
20	16.2	23.9	19.3	87.3	11.2	0.0	11.2	2.8
21	16.6	26.0	20.7	74.3	0.0	0.0	0.0	3.4
22	15.8	26.8	21.0	72.7	0.0	85.6	85.6	4.7
23	16.1	25.5	19.6	90.3	3.0	0.0	3.0	2.5
24	16.3	25.8	21.0	71.0	0.0	0.0	0.0	4.5
25	15.8	25.0	20.2	77.3	0.0	0.0	0.0	3.7
26	16.8	23.6	20.0	83.0	4.7	2.1	6.8	1.1
27	17.2	26.0	19.5	83.7	5.9	0.0	5.9	3.1
28	16.2	26.6	20.5	81.0	0.0	0.0	0.0	4.5
29	15.8	25.8	19.9	80.0	11.2	0.0	11.2	5.8
30	15.9	27.6	21.7	74.0	0.0	0.0	0.0	9.8
31								
Total					81.2	185.9	267.1	125.5
Promedio	16.1	26.0	20.5	77.4				

Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.3	26.0	22.3	49.0	0.0	0.0	0.0	1.0
2	17.2	26.6	21.0	71.3	0.0	0.0	0.0	1.1
3	15.5	26.6	19.4	86.7	2.9	20.3	23.2	4.4
4	16.8	26.8	20.4	84.7	5.6	10.9	16.5	4.7
5	17.0	28.0	21.2	76.3	0.0	25.5	25.5	7.6
6	16.6	23.8	19.4	83.7	9.0	0.0	9.0	1.0
7	15.6	24.0	20.0	90.0	2.0	3.4	5.4	2.2
8	16.6	26.4	21.2	76.0	1.9	0.0	1.9	4.0
9	17.8	26.8	21.2	75.3	0.0	0.0	0.0	3.0
10	16.0	29.0	22.1	57.7	0.0	0.0	0.0	9.0
11	14.9	28.6	22.4	59.7	0.0	0.0	0.0	8.6
12	16.6	25.8	20.2	80.3	.1	5.7	5.8	4.3
13	16.4	26.4	20.0	77.7	.4	0.0	.4	6.0
14	15.8	25.6	19.8	81.7	0.0	1.0	1.0	3.5
15	17.2	27.6	19.8	81.3	6.2	4.9	11.1	4.9
16	14.9	23.6	19.3	84.3	0.0	0.0	0.0	1.1
17	15.9	24.7	20.0	86.0	.8	0.0	.8	1.7
18	16.4	26.6	21.0	78.0	0.0	2.8	2.8	5.1
19	16.4	24.8	19.2	89.3	0.0	1.0	1.0	3.5
20	15.9	23.8	19.0	86.0	32.2	.1	32.3	.1
21	15.4	25.0	20.9	81.0	0.0	3.1	3.1	3.3
22	15.1	26.4	20.8	80.7	3.4	0.0	3.4	5.1
23	17.4	28.0	20.8	77.3	2.2	.5	2.7	4.1
24	16.2	24.3	19.1	84.7	57.7	52.3	110.0	1.5
25	16.0	24.5	19.6	83.3	8.2	5.4	13.6	2.0
26	14.8	25.9	20.6	80.3	0.0	7.2	7.2	4.8
27	15.6	27.1	21.5	78.7	.1	75.8	75.9	6.7
28	17.0	26.0	20.2	80.7	.5	40.0	40.5	5.6
29	16.8	25.6	19.6	82.3	15.9	14.3	30.2	3.2
30	16.5	24.8	20.0	84.7	2.3	0.0	2.3	2.3
31	17.2	25.4	19.7	87.0	1.7	0.0	1.7	2.5
Total					153.1	274.2	427.3	117.9
Promedio	16.3	26.0	20.4	79.2				

Estación : SANTA BARBARA  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : SASAIMA

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

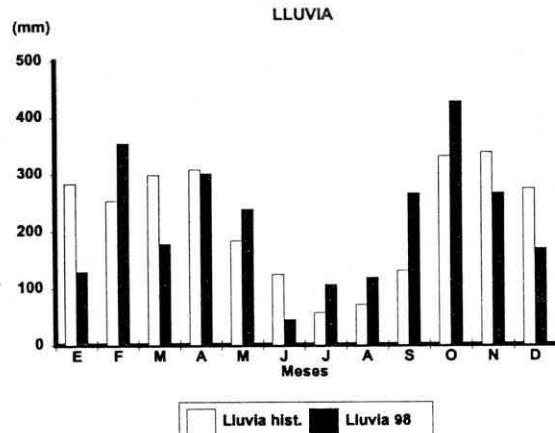
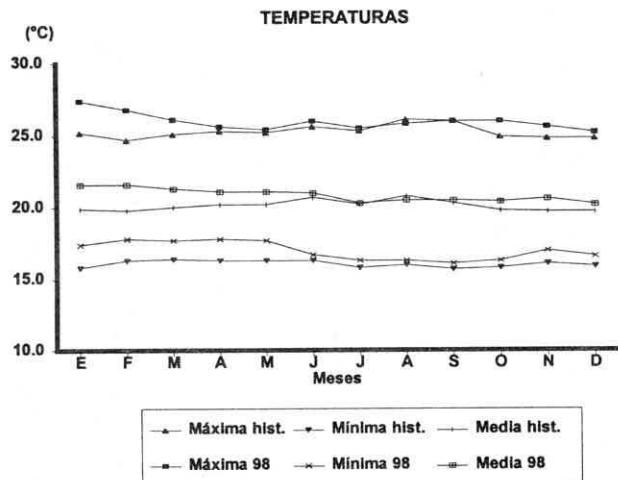
Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.9	25.4	20.8	81.7	.5	.4	.9	5.4
2	16.6	27.2	21.4	80.3	12.4	.2	12.6	5.6
3	17.9	25.8	21.4	80.0	.2	0.0	.2	2.8
4	18.6	25.2	20.6	84.7	5.0	31.9	36.9	1.6
5	17.2	26.0	20.9	75.3	7.7	23.5	31.2	3.6
6	16.8	24.2	19.8	88.0	9.3	0.0	9.3	2.0
7	15.8	21.2	18.6	88.7	.7	0.0	.7	0.0
8	16.8	25.8	20.7	82.0	0.0	0.0	0.0	4.0
9	17.4	24.0	20.6	82.3	0.0	26.2	26.2	4.0
10	17.0	26.8	20.6	79.0	6.7	.3	7.0	6.7
11	15.1	24.8	20.1	84.3	0.0	.3	.3	2.9
12	16.1	26.7	20.0	79.3	17.6	2.1	19.7	5.1
13	17.0	25.2	20.4	84.7	16.2	6.6	22.8	3.3
14	17.2	24.9	19.6	83.7	0.0	0.0	0.0	1.4
15	16.8	24.1	19.9	89.0	0.0	0.0	0.0	1.1
16	16.5	26.3	21.0	81.0	0.0	0.0	0.0	2.6
17	17.0	28.4	21.7	76.3	0.0	0.0	0.0	5.9
18	17.2	23.9	19.6	84.3	.3	0.0	.3	1.2
19	15.2	27.8	22.0	73.7	.4	34.2	34.6	3.6
20	16.9	24.9	20.0	82.0	2.7	7.8	10.5	1.6
21	17.0	24.0	20.1	86.3	2.9	37.8	40.7	1.4
22	17.0	25.9	20.6	78.7	0.0	0.0	0.0	1.9
23	16.1	27.1	21.4	78.3	0.0	0.0	0.0	7.4
24	17.1	26.2	21.2	81.7	.3	1.7	2.0	5.0
25	17.2	27.8	21.5	79.3	0.0	2.9	2.9	7.6
26	17.8	25.1	20.5	83.7	.4	1.6	2.0	2.6
27	18.0	25.8	20.9	82.7	0.0	5.0	5.0	2.7
28	17.9	24.0	19.7	87.3	1.2	0.0	1.2	1.5
29	17.8	27.1	21.1	74.3	0.0	0.0	0.0	6.1
30	17.7	25.9	21.1	77.7	.5	0.0	.5	3.3
31								
Total :					85.0	182.5	267.5	
Promedio :	17.0	25.6	20.6	81.7				100.2
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.4	26.8	21.2	78.3	0.0	0.0	0.0	5.5
2	17.0	28.8	21.1	76.3	.5	0.0	.5	5.1
3	18.0	27.0	21.1	80.0	0.0	14.8	14.8	4.8
4	17.1	24.0	20.2	87.3	0.0	2.1	2.1	.7
5	17.0	24.9	21.0	79.3	.4	11.9	12.3	2.4
6	18.0	24.8	20.7	82.7	0.0	7.0	7.0	1.1
7	17.2	25.1	20.5	83.3	3.3	23.2	26.5	2.5
8	17.0	24.1	19.6	84.0	6.5	5.0	11.5	3.2
9	16.1	24.3	20.0	86.0	0.0	10.8	10.8	1.9
10	17.8	23.0	20.0	85.0	0.0	9.7	9.7	0.0
11	17.0	24.0	19.7	82.7	9.0	9.0	18.0	2.0
12	17.1	23.9	20.6	86.7	1.4	0.0	1.4	1.2
13	16.1	24.1	20.2	84.3	0.0	0.0	0.0	2.2
14	17.0	25.1	20.2	81.0	0.0	0.0	0.0	.6
15	16.9	26.8	20.0	83.0	0.0	0.0	0.0	2.8
16	14.2	25.4	19.9	71.3	0.0	0.0	0.0	5.3
17	15.0	24.1	19.8	80.3	0.0	0.0	0.0	1.2
18	16.4	26.7	20.0	79.3	4.9	12.0	16.9	3.0
19	16.5	24.9	19.2	85.7	8.4	.3	8.7	4.2
20	14.7	24.1	19.2	80.3	.6	3.7	4.3	4.0
21	16.8	28.0	21.0	75.0	0.0	0.0	0.0	8.2
22	17.0	26.8	21.0	73.7	0.0	0.0	0.0	5.5
23	15.4	25.1	20.2	73.0	0.0	.2	.2	3.5
24	16.1	25.8	20.6	78.7	0.0	0.0	0.0	2.4
25	16.1	23.5	20.0	80.0	0.0	0.0	0.0	.3
26	16.2	25.0	20.4	79.3	0.0	6.9	6.9	3.5
27	16.8	24.8	19.4	83.7	0.0	2.2	2.2	1.1
28	16.9	24.7	19.7	87.0	5.8	.2	6.0	2.6
29	16.5	24.6	20.0	80.7	.7	0.0	.7	1.2
30	17.1	25.9	20.8	80.3	.5	8.8	9.3	4.9
31	15.8	24.8	20.0	86.0	0.0	0.0	0.0	2.6
Total :					42.0	127.8	169.8	
Promedio :	16.6	25.2	20.2	81.1				89.5

Estación : SANTA BARBARA  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : SASAIMA

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

MES	TEMPERATURA °C					Hum. Rel. (%)	PRECIPITACION		
	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.		Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	17.4	27.4	21.6	31.8	14.8	65.0	129.4	14	147.8
Febrero	17.8	26.8	21.6	32.5	15.3	70.1	354.3	21	105.4
Marzo	17.7	26.1	21.3	30.0	16.2	83.4	177.8	25	81.1
Abril	17.8	25.6	21.1	28.5	16.5	86.6	301.7	25	72.8
Mayo	17.7	25.4	21.1	29.6	15.9	81.3	238.9	22	82.3
Junio	16.7	26.0	21.0	29.8	14.5	75.8	45.1	15	86.1
Julio	16.3	25.5	20.3	28.8	14.8	75.8	106.7	18	97.8
Agosto	16.3	25.8	20.5	28.0	14.4	75.1	119.0	19	121.3
Septiembre	16.1	26.0	20.5	29.8	14.2	77.4	267.1	20	125.5
Octubre	16.3	26.0	20.4	29.0	14.8	79.2	427.3	25	117.9
Noviembre	17.0	25.6	20.6	28.4	15.1	81.7	267.5	22	100.2
Diciembre	16.6	25.2	20.2	28.8	14.2	81.1	169.8	20	89.5
Promedio :	17.0	26.0	20.9			77.7			
Absoluta :				32.5	14.2				
Total :							2604.6	246	1227.7



Estación : MESITAS DE SANTA INES  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : CACHIPAY

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.5	24.5	20.5	79.7	21.3	0.0	21.3	1.7
2	17.0	28.5	21.3	46.7	0.0	0.0	0.0	10.7
3	16.5	28.2	22.4	35.3	0.0	0.0	0.0	8.8
4	18.3	29.7	23.6	46.0	0.0	0.0	0.0	10.3
5	21.2	29.5	23.6	46.0	0.0	0.0	0.0	8.3
6	18.8	29.0	23.8	53.7	0.0	0.0	0.0	6.9
7	18.5	25.5	20.6	84.3	23.2	0.0	23.2	1.0
8	18.7	29.0	23.4	67.0	0.0	.9	.9	8.4
9	17.8	27.3	21.6	67.7	1.2	0.0	1.2	3.6
10	18.2	25.6	21.6	77.3	0.0	0.0	0.0	3.6
11	19.7	27.5	23.2	67.7	0.0	0.0	0.0	3.2
12	19.5	26.5	22.3	70.0	.1	0.0	.1	.8
13	17.6	28.4	21.8	71.3	1.8	0.0	1.8	5.7
14	19.8	28.5	22.2	71.0	0.0	0.0	0.0	4.1
15	19.7	27.6	22.4	70.0	0.0	0.0	0.0	2.6
16	19.8	28.7	23.7	62.3	0.0	0.0	0.0	6.6
17	19.2	25.4	21.3	80.7	6.5	0.0	6.5	4.8
18	19.0	28.5	22.0	73.0	.2	20.4	20.6	7.4
19	17.9	27.5	23.0	68.0	0.0	0.0	0.0	7.7
20	20.2	26.0	21.3	82.0	0.0	0.0	0.0	2.5
21	17.7	28.6	22.3	59.3	0.0	0.0	0.0	7.1
22	17.8	28.8	23.4	56.3	0.0	0.0	0.0	8.8
23	18.8	29.0	23.6	60.7	0.0	0.0	0.0	5.7
24	19.5	28.9	23.2	49.0	0.0	0.0	0.0	6.8
25	17.8	29.5	23.3	53.0	0.0	0.0	0.0	10.4
26	18.0	28.6	22.6	58.0	0.0	0.0	0.0	9.7
27	19.4	29.5	24.2	52.7	0.0	0.0	0.0	6.1
28	19.6	27.5	22.5	76.3	0.0	0.0	0.0	2.9
29	17.7	27.8	22.0	68.0	0.0	0.0	0.0	7.8
30	18.6	28.6	23.2	53.7	0.0	0.0	0.0	8.4
31	20.0	27.1	22.6	74.3	11.8	6.0	17.8	4.3
Total					66.1	27.3	93.4	
Promedio	18.7	27.9	22.5	63.9				186.7

Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.5	29.1	23.0	64.3	0.0	0.0	0.0	6.8
2	20.8	29.6	25.0	52.7	0.0	0.0	0.0	8.6
3	21.7	30.5	25.3	42.0	0.0	0.0	0.0	6.7
4	20.6	26.5	22.4	71.0	1.5	0.0	1.5	1.6
5	19.6	29.5	23.6	64.0	0.0	0.0	0.0	3.0
6	19.3	26.5	22.4	72.3	1.4	0.0	1.4	1.5
7	19.8	27.8	23.0	76.0	2.4	11.5	13.9	4.7
8	18.4	22.5	20.2	89.3	5.5	0.0	5.5	0.0
9	18.2	23.7	19.6	91.3	20.6	0.0	20.6	.3
10	18.0	21.6	19.0	91.7	0.0	5.5	5.5	0.0
11	18.6	22.1	19.6	91.3	1.2	0.0	1.2	.1
12	17.7	23.1	19.9	79.7	5.3	0.0	5.3	1.2
13	18.4	28.0	23.0	62.3	0.0	0.0	0.0	6.6
14	19.0	28.0	21.4	71.3	6.4	0.0	6.4	4.7
15	18.0	27.5	21.7	79.3	0.0	0.0	0.0	5.2
16	17.4	27.4	22.4	54.3	0.0	0.0	0.0	8.7
17	17.8	30.6	24.3	38.7	0.0	0.0	0.0	10.6
18	18.8	29.5	24.4	48.0	0.0	0.0	0.0	8.3
19	19.4	29.0	24.0	62.7	0.0	0.0	0.0	6.5
20	19.6	29.5	23.6	67.0	0.0	20.5	20.5	6.9
21	18.6	26.0	21.9	77.3	1.1	0.0	1.1	3.7
22	19.1	26.5	22.2	70.0	0.0	1.0	1.0	4.5
23	19.2	27.0	22.5	69.0	0.0	0.0	0.0	3.4
24	19.8	26.2	22.5	72.7	0.0	0.0	0.0	3.8
25	19.4	27.4	22.8	74.0	0.0	0.0	0.0	4.4
26	17.9	29.0	22.6	57.3	0.0	0.0	0.0	8.0
27	18.6	28.2	23.0	59.0	0.0	0.0	0.0	6.4
28	18.8	30.2	23.8	59.0	0.0	0.0	0.0	7.9
29								
30								
31								
Total					45.4	38.5	83.9	
Promedio	19.0	27.2	22.5	68.1				134.1

Estación : MESITAS DE SANTA INES  
 Año : 1998

Dpto. : CUNDINAMARCA  
 Mpio. : CACHIPAY

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	20.0	28.0	23.0	76.3	.7	3.3	4.0	1.2
2	18.3	23.5	21.3	84.0	0.0	0.0	0.0	1.6
3	17.7	26.0	21.8	70.3	0.0	0.0	0.0	2.3
4	18.6	29.4	23.6	58.0	0.0	0.0	0.0	4.7
5	19.6	27.9	22.7	62.3	0.0	0.0	0.0	2.5
6	19.5	29.0	22.8	66.0	0.0	0.0	0.0	4.6
7	19.6	26.8	23.0	75.7	0.0	16.6	16.6	1.4
8	19.0	25.5	22.2	76.0	.9	0.0	.9	2.4
9	17.7	27.4	21.8	62.7	0.0	0.0	0.0	2.4
10	19.2	29.4	23.5	62.3	0.0	4.8	4.8	5.8
11	19.3	29.0	21.8	74.7	11.0	0.0	11.0	2.4
12	19.0	27.5	21.7	79.0	6.2	10.3	16.5	4.6
13	19.2	26.5	22.0	78.0	0.0	0.0	0.0	3.9
14	18.4	28.5	22.8	70.0	0.0	0.0	0.0	5.4
15	18.6	26.0	22.0	72.0	0.0	0.0	0.0	.9
16	20.2	25.0	21.2	89.3	4.1	0.0	4.1	.7
17	18.8	29.0	22.7	71.7	0.0	0.0	0.0	5.1
18	19.8	28.9	24.0	61.0	0.0	0.0	0.0	4.8
19	19.9	29.3	23.8	61.7	0.0	0.0	0.0	3.4
20	20.4	26.1	22.0	74.0	2.1	0.0	2.1	0.0
21	18.9	26.6	21.6	73.3	0.0	0.0	0.0	1.0
22	19.5	29.1	24.3	61.7	0.0	16.2	16.2	3.9
23	18.4	24.5	21.5	81.7	.5	0.0	.5	0.0
24	18.9	24.3	21.4	86.0	.5	11.9	12.4	1.0
25	19.8	25.2	21.7	87.0	0.0	0.0	0.0	1.9
26	19.9	26.0	22.6	71.7	0.0	0.0	0.0	.6
27	18.8	29.5	23.2	60.7	0.0	0.0	0.0	5.4
28	19.2	24.4	20.9	88.3	8.9	4.5	13.4	.4
29	19.0	25.2	21.5	81.0	4.1	0.0	4.1	1.6
30	19.8	22.5	20.7	94.7	52.7	0.0	52.7	0.0
31	19.2	25.8	21.0	93.0	10.5	0.0	10.5	1.2
Total :	19.2	26.8	22.3	74.3	102.2	67.6	169.8	77.1
Promedio :	19.2	26.8	22.3	74.3				
Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.8	25.6	21.9	88.0	4.3	1.1	5.4	.9
2	19.5	25.0	20.6	93.3	5.6	0.0	5.6	1.0
3	19.0	26.0	21.8	82.7	.6	30.1	30.7	2.2
4	18.8	25.0	21.2	83.3	.7	.2	.9	.7
5	19.0	27.5	23.0	69.0	0.0	1.1	1.1	4.2
6	18.8	26.2	21.7	73.7	0.0	.3	.3	1.2
7	18.3	25.5	21.8	78.7	0.0	0.0	0.0	1.9
8	19.3	23.6	20.0	84.0	1.8	0.0	1.8	1.0
9	18.0	27.5	22.0	71.7	0.0	0.0	0.0	4.7
10	18.6	28.2	23.6	56.3	0.0	0.0	0.0	4.8
11	19.4	28.5	21.8	72.7	0.0	0.0	0.0	3.4
12	19.0	26.1	22.7	76.7	0.0	0.0	0.0	3.9
13	18.0	25.0	21.1	81.0	7.0	0.0	7.0	.8
14	19.2	24.6	21.4	82.0	0.0	0.0	0.0	1.1
15	18.4	28.5	23.6	66.3	0.0	6.7	6.7	9.2
16	20.0	25.5	21.4	81.3	0.0	0.0	0.0	.5
17	20.2	26.6	22.6	77.3	.5	0.0	.5	2.4
18	20.0	27.0	22.5	77.3	.3	6.1	6.4	2.6
19	18.8	24.6	20.9	83.3	.9	.8	1.7	.1
20	18.6	26.6	22.8	71.3	0.0	.4	.4	3.6
21	19.4	27.4	22.5	79.7	0.0	0.0	0.0	2.1
22	19.8	25.0	22.0	76.0	0.0	0.0	0.0	1.9
23	19.5	27.0	21.8	73.3	.2	0.0	.2	.8
24	18.4	26.6	22.5	65.0	0.0	0.0	0.0	2.5
25	18.2	28.6	22.5	69.7	0.0	1.2	1.2	4.5
26	19.0	23.5	20.9	83.3	.3	0.0	.3	0.0
27	19.2	27.5	23.2	64.7	0.0	0.0	0.0	2.4
28	19.8	26.0	21.6	82.7	10.9	.7	11.6	2.4
29	18.5	25.0	21.8	80.7	2.1	0.0	2.1	3.3
30	19.4	26.2	21.4	77.0	0.0	0.0	0.0	3.0
31	—	—	—	—	—	—	—	—
Total :	19.0	26.2	22.0	76.7	35.2	48.7	83.9	73.1
Promedio :	19.0	26.2	22.0	76.7				

Estación : MESITAS DE SANTA INES  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : CACHIPAY

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

Mayo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.8	26.9	22.9	78.0	0.0	.6	.6	2.2
2	19.2	24.0	19.8	95.7	1.5	0.0	1.5	1.2
3	19.0	24.0	20.9	89.3	15.3	5.2	20.5	0.0
4	18.2	23.2	20.6	92.3	.9	.9	1.8	.6
5	19.0	24.5	20.8	94.0	3.5	5.3	8.8	1.8
6	18.2	21.7	19.2	94.7	25.0	0.0	25.0	.4
7	18.0	28.5	22.2	63.7	0.0	0.0	0.0	7.3
8	19.6	25.1	21.5	79.0	0.0	0.0	0.0	2.6
9	18.0	25.6	21.2	77.7	8.1	0.0	8.1	3.0
10	18.5	28.1	21.8	71.7	.6	.1	.7	5.7
11	18.4	27.2	22.6	72.7	0.0	.3	.3	5.7
12	19.6	23.3	20.1	87.7	0.0	0.0	0.0	.2
13	17.2	28.9	22.8	59.3	0.0	0.0	0.0	9.6
14	19.4	28.6	23.4	61.3	0.0	0.0	0.0	5.5
15	19.0	23.8	20.7	77.0	0.0	.4	.4	0.0
16	18.6	28.5	22.4	62.7	0.0	3.8	3.8	7.1
17	18.4	24.5	20.9	77.3	1.5	15.9	17.4	.4
18	17.7	27.0	21.7	67.7	0.0	0.0	0.0	4.0
19	17.6	27.4	22.6	64.0	0.0	0.0	0.0	2.5
20	17.4	28.6	23.7	50.3	0.0	.2	.2	8.5
21	19.0	29.4	23.6	53.7	0.0	.5	.5	9.6
22	18.6	29.5	22.9	60.3	.3	0.0	.3	6.8
23	19.5	27.0	21.8	70.7	0.0	0.0	0.0	.8
24	20.1	25.0	22.3	71.7	0.0	0.0	0.0	4.1
25	19.1	28.5	22.7	64.7	0.0	1.2	1.2	0.0
26	19.4	23.2	21.0	83.3	.5	.5	1.0	1.5
27	18.8	23.4	21.0	80.3	1.1	7.9	9.0	1.5
28	18.6	24.5	19.9	89.0	25.7	45.1	70.8	1.8
29	17.3	23.1	20.0	78.0	.3	0.0	.3	.2
30	17.3	25.6	21.6	79.7	0.0	0.0	0.0	.9
31	19.0	24.5	21.6	74.0	0.0	.3	.3	1.9
Total :					84.3	88.2	172.5	96.1
Promedio :	18.6	25.9	21.6	74.9				
Junio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	27.2	22.0	73.7	0.0	.1	.1	3.9
2	18.8	27.5	21.1	74.0	0.0	.5	.5	3.4
3	18.2	21.0	18.6	88.7	3.2	0.0	3.2	.4
4	17.6	26.8	21.6	71.0	0.0	0.0	0.0	5.3
5	18.8	25.6	21.0	73.0	0.0	0.0	0.0	1.7
6	16.3	27.7	21.5	68.0	0.0	0.0	0.0	8.3
7	19.0	23.2	20.1	75.0	3.8	0.0	3.8	.7
8	18.6	25.2	20.8	69.7	0.0	0.0	0.0	1.5
9	18.0	25.0	22.0	72.0	0.0	0.0	0.0	2.2
10	19.0	27.5	21.8	71.3	0.0	0.0	0.0	5.4
11	17.9	25.5	21.8	69.7	0.0	3.6	3.6	3.9
12	18.0	26.0	21.6	69.0	0.0	0.0	0.0	4.1
13	18.6	28.0	23.0	56.0	0.0	1.8	1.8	10.6
14	18.5	28.6	22.4	59.7	0.0	13.5	13.5	8.3
15	17.6	21.8	18.3	91.0	6.8	.9	7.7	.2
16	17.2	23.5	19.8	69.3	0.0	0.0	0.0	2.4
17	16.7	25.6	20.4	68.3	0.0	0.0	0.0	3.7
18	18.3	27.0	21.6	61.3	0.0	0.0	0.0	6.8
19	17.3	24.6	20.0	75.0	1.4	0.0	1.4	1.6
20	18.0	25.1	20.5	76.7	0.0	2.6	2.6	1.9
21	17.5	25.9	21.5	66.3	0.0	5.9	5.9	4.9
22	17.5	25.0	21.0	71.0	0.0	0.0	0.0	3.2
23	17.6	22.5	18.9	75.0	0.0	0.0	0.0	.4
24	17.4	25.6	22.0	54.0	0.0	0.0	0.0	5.2
25	19.4	27.4	22.4	56.0	0.0	0.0	0.0	6.5
26	19.1	27.5	22.2	61.7	0.0	0.0	0.0	4.9
27	19.4	23.2	20.4	83.7	.2	0.0	.2	.5
28	18.0	25.5	20.2	71.0	1.5	6.0	7.5	1.3
29	17.0	24.8	20.8	54.7	0.0	0.0	0.0	.6
30	16.6	26.5	21.8	48.0	0.0	0.0	0.0	9.7.
Total :					16.9	34.9	51.8	113.5
Promedio :	18.0	25.5	21.0	69.1				

Estación : MESITAS DE SANTA INES  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : CACHIPAY

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

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín.	Máx.	Med.		Día	Noche	Total	
1	18.0	26.0	20.8	57.3	0.0	0.0	0.0	6.1
2	17.6	25.8	20.9	66.3	.2	0.0	.2	1.9
3	17.6	25.6	21.4	74.0	0.0	37.2	37.2	2.3
4	18.0	26.1	20.8	72.0	0.0	25.6	25.6	3.9
5	17.0	23.0	19.2	82.7	30.2	4.6	34.8	1.2
6	17.3	22.0	19.2	79.3	5.7	1.7	7.4	.3
7	17.6	22.7	19.8	79.0	0.0	0.0	0.0	1.1
8	18.4	25.4	20.3	72.0	.7	1.1	1.8	3.6
9	17.2	23.5	18.7	91.7	8.0	14.0	22.0	2.7
10	16.6	24.5	19.8	77.0	0.0	0.0	0.0	2.2
11	17.6	25.4	20.4	72.0	0.0	0.0	0.0	3.4
12	18.1	25.8	21.6	62.7	0.0	0.0	0.0	7.6
13	16.4	26.9	22.6	54.7	0.0	0.0	0.0	7.5
14	17.0	26.2	21.8	53.7	0.0	0.0	0.0	7.1
15	18.7	24.4	20.5	64.0	0.0	.7	.7	3.0
16	17.3	25.1	20.7	71.7	0.0	0.0	0.0	3.0
17	18.2	24.5	20.4	75.7	0.0	1.6	1.6	2.1
18	17.0	23.9	20.0	82.7	0.0	2.7	2.7	.6
19	17.6	22.2	18.9	89.7	2.0	2.1	4.1	.8
20	16.6	26.5	20.5	64.3	0.0	0.0	0.0	7.0
21	15.5	26.6	21.1	56.7	0.0	.2	.2	5.8
22	17.0	21.3	18.6	83.3	0.0	0.0	0.0	.3
23	16.2	25.5	20.1	61.7	0.0	.5	.5	6.1
24	16.4	23.0	19.8	74.3	0.0	0.0	0.0	2.6
25	16.8	23.5	19.8	71.7	0.0	1.4	1.4	2.6
26	17.0	25.7	20.0	74.3	0.0	4.4	4.4	3.5
27	16.8	26.7	21.5	53.7	0.0	1.5	1.5	5.0
28	17.7	26.0	21.2	63.7	0.0	1.4	1.4	4.0
29	17.2	24.0	20.7	65.3	0.0	0.0	0.0	1.9
30	16.8	21.1	18.4	81.0	1.4	0.0	1.4	.2
31	16.0	25.0	19.9	62.0	0.0	0.0	0.0	3.9
Total :					48.2	100.7	148.9	103.3
Promedio :	17.2	24.6	20.3	70.7				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín.	Máx.	Med.		Día	Noche	Total	
1	18.0	25.0	21.2	61.0	0.0	1.0	1.0	3.4
2	17.0	26.7	22.3	61.0	0.0	0.0	0.0	5.0
3	17.3	27.5	21.6	63.3	0.0	0.0	0.0	3.2
4	18.4	26.1	22.1	56.3	0.0	0.0	0.0	1.4
5	18.6	27.0	22.9	63.0	0.0	1.4	1.4	3.6
6	17.6	20.4	19.6	83.0	0.0	0.0	0.0	0.0
7	17.6	25.0	20.4	75.0	2.3	0.0	2.3	1.9
8	17.5	23.7	20.4	75.3	0.0	0.0	0.0	2.5
9	16.0	27.0	20.8	55.0	0.0	0.0	0.0	6.6
10	18.0	25.8	20.1	76.3	10.6	0.0	10.6	1.1
11	18.2	25.6	20.3	75.0	0.0	0.0	0.0	1.8
12	17.2	24.0	20.2	64.7	.3	0.0	.3	1.3
13	15.4	25.0	20.8	65.0	0.0	.5	.5	3.1
14	16.5	28.5	21.4	64.0	.2	2.7	2.9	7.3
15	17.8	23.0	18.4	93.7	3.8	3.8	7.6	2.5
16	16.5	26.0	21.0	57.0	0.0	0.0	0.0	6.4
17	19.0	26.8	21.0	63.0	0.0	0.0	0.0	5.4
18	16.8	28.1	21.4	58.7	0.0	0.0	0.0	7.3
19	17.2	25.0	20.2	81.0	0.0	.3	.3	2.4
20	17.1	24.6	19.8	81.0	3.6	.6	4.2	1.7
21	17.2	25.6	20.2	74.7	1.2	0.0	1.2	1.7
22	18.0	27.2	21.6	73.7	0.0	0.0	0.0	5.9
23	18.5	28.5	21.6	58.0	0.0	0.0	0.0	9.3
24	18.2	29.5	23.0	51.3	0.0	0.0	0.0	7.6
25	18.5	25.5	21.0	78.7	1.1	.6	1.7	1.3
26	18.2	25.2	21.9	68.0	0.0	0.0	0.0	1.1
27	17.2	26.4	21.2	69.3	0.0	0.0	0.0	3.5
28	16.2	26.5	21.5	59.0	0.0	0.0	0.0	5.4
29	17.2	27.4	22.7	50.0	0.0	1.4	1.4	6.6
30	18.4	25.0	21.0	68.7	0.0	0.0	0.0	4.0
31	18.2	24.5	20.7	63.3	0.0	0.0	0.0	.2
Total :					23.1	12.3	35.4	114.5
Promedio :	17.5	25.9	21.0	67.3				

Estación : MESITAS DE SANTA INES  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : CACHIPAY

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	27.0	21.8	59.7	0.0	0.0	0.0	4.3
2	18.2	25.5	21.4	64.7	0.0	0.0	0.0	3.4
3	17.7	23.7	20.1	79.3	8.3	0.0	8.3	.2
4	17.8	27.2	21.8	70.0	0.0	0.0	0.0	4.3
5	17.6	26.0	21.2	64.7	1.9	0.0	1.9	4.7
6	16.7	28.5	22.4	55.7	0.0	0.0	0.0	6.8
7	17.6	28.0	23.6	56.0	0.0	3.0	3.0	7.1
8	17.4	24.1	18.9	95.7	11.9	0.0	11.9	1.0
9	16.6	25.0	20.4	75.0	4.7	0.0	4.7	2.9
10	17.3	25.5	20.2	72.7	0.0	0.0	0.0	1.8
11	17.2	25.0	20.9	69.7	0.0	.7	.7	2.1
12	15.8	27.5	19.8	67.7	9.5	.1	9.6	4.9
13	16.4	26.5	21.5	66.7	0.0	55.5	55.5	7.8
14	15.5	25.0	20.3	72.0	.2	13.9	14.1	5.7
15	16.7	25.1	20.8	70.3	.1	0.0	.1	4.9
16	18.0	27.5	21.7	57.0	0.0	0.0	0.0	5.9
17	17.8	29.0	22.5	58.7	0.0	0.0	0.0	6.6
18	19.0	25.0	21.9	69.7	0.0	0.0	0.0	1.2
19	17.5	25.0	19.2	82.3	4.1	0.0	4.1	3.2
20	18.0	27.0	20.4	66.3	0.0	2.3	2.3	5.0
21	17.5	26.1	21.6	62.0	0.0	1.0	1.0	3.2
22	18.6	26.6	21.6	68.3	0.0	84.9	84.9	4.4
23	17.4	25.0	20.4	78.7	.9	3.8	4.7	3.0
24	18.2	25.5	21.4	67.3	0.0	0.0	0.0	5.2
25	18.4	24.2	21.0	67.3	0.0	1.0	1.0	4.3
26	18.2	26.0	21.5	64.0	0.0	0.0	0.0	4.4
27	17.8	24.5	19.4	82.7	20.4	0.0	20.4	3.4
28	16.8	26.6	21.6	67.0	.2	0.0	.2	6.0
29	17.0	26.2	22.5	66.7	0.0	0.0	0.0	4.7
30	18.3	26.5	22.8	69.3	0.0	0.0	0.0	4.9
31								
Total :					62.2	166.2	228.4	127.3
Promedio :	17.5	26.0	21.2	68.9				
Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	27.0	21.4	63.3	1.0	0.0	1.0	2.7
2	18.0	26.0	22.0	64.0	0.0	0.0	0.0	3.4
3	18.1	27.2	23.4	50.3	0.0	.6	.6	7.7
4	18.5	26.0	22.5	67.3	0.0	14.0	14.0	3.6
5	17.8	26.0	21.4	73.3	0.0	0.0	0.0	5.8
6	18.8	26.2	21.6	79.0	4.8	.1	4.9	3.1
7	17.6	23.2	20.1	88.0	1.8	7.3	9.1	2.1
8	17.6	25.0	21.7	78.3	0.0	5.0	5.0	6.2
9	18.8	24.0	21.1	83.0	0.0	0.0	0.0	.2
10	18.0	28.0	24.5	40.7	0.0	0.0	0.0	9.0
11	18.1	25.5	22.7	45.0	0.0	0.0	0.0	10.4
12	17.6	26.0	21.8	70.0	.3	0.0	.3	4.4
13	18.6	24.0	20.6	81.0	53.0	0.0	53.0	2.6
14	17.0	26.2	21.4	77.3	0.0	0.0	0.0	3.6
15	18.7	25.5	21.8	77.7	0.0	19.4	19.4	2.4
16	17.6	24.5	20.8	84.0	.2	0.0	.2	1.8
17	17.8	25.0	20.6	74.7	0.0	.7	.7	2.4
18	17.0	25.8	21.0	82.0	0.0	0.0	0.0	4.0
19	18.6	23.1	20.2	80.3	12.3	0.0	12.3	1.4
20	17.8	24.0	20.7	75.3	0.0	.6	.6	2.1
21	17.5	26.9	21.8	76.3	0.0	3.0	3.0	4.3
22	17.2	27.0	21.8	71.7	1.0	13.0	14.0	6.4
23	18.0	26.0	20.6	78.0	.1	1.2	1.3	4.7
24	17.6	22.2	19.8	91.3	0.0	18.3	18.3	.2
25	17.0	21.0	19.3	95.3	15.0	5.4	20.4	.5
26	16.4	24.1	20.5	80.0	0.0	0.0	0.0	4.7
27	17.4	25.2	21.4	81.0	33.1	.1	33.2	4.3
28	18.2	24.0	21.1	89.7	2.3	43.9	46.2	3.1
29	18.0	23.1	20.4	92.7	14.4	8.5	22.9	.6
30	17.6	25.0	21.0	85.7	0.0	0.0	0.0	1.0
31	18.0	23.8	20.8	71.7	0.0	0.0	0.0	2.4
Total :					139.3	141.1	280.4	111.1
Promedio :	17.9	25.0	21.3	75.7				

Estación : MESITAS DE SANTA INES  
 Año : 1998

Dpto. : CUNDINAMARCA  
 Mpio. : CACHIPAY

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

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	26.1	21.6	71.7	0.0	0.0	0.0	8.7
2	17.9	25.8	22.3	73.0	0.0	0.0	0.0	5.9
3	17.8	24.2	21.2	84.3	0.0	0.0	0.0	3.0
4	18.9	23.0	20.3	91.3	.4	0.0	.4	1.3
5	18.2	23.7	20.6	86.3	8.5	1.4	9.9	4.2
6	17.8	22.0	19.0	90.0	13.9	0.0	13.9	.4
7	17.4	23.0	19.8	77.7	.8	0.0	.8	.3
8	16.5	23.5	21.1	78.7	.8	0.0	.8	4.3
9	18.8	23.8	20.8	85.7	0.0	24.1	24.1	.4
10	17.5	24.2	20.6	81.7	0.0	0.0	0.0	5.7
11	17.1	23.4	20.8	76.7	0.0	0.0	0.0	2.0
12	17.6	24.5	21.2	81.3	13.0	0.0	13.0	4.2
13	18.2	24.0	19.8	86.3	13.8	2.4	16.2	2.4
14	18.6	23.9	20.0	87.0	0.0	0.0	0.0	2.2
15	18.0	23.7	20.3	81.0	0.0	0.0	0.0	1.4
16	17.4	24.5	20.6	74.7	0.0	0.0	0.0	4.1
17	17.0	24.4	19.5	78.0	.8	0.0	.8	3.2
18	18.0	24.2	20.8	63.0	0.0	0.0	0.0	4.5
19	16.0	23.1	20.8	75.0	0.0	0.0	0.0	3.5
20	17.4	22.8	19.7	87.7	0.0	0.0	0.0	1.6
21	18.1	23.0	20.0	89.0	3.8	0.0	3.8	1.4
22	17.8	21.0	18.0	94.0	39.0	0.0	39.0	.5
23	17.0	24.2	20.7	86.7	0.0	0.0	0.0	4.8
24	17.6	23.1	20.1	88.7	0.0	0.0	0.0	2.0
25	17.0	25.0	21.5	71.3	0.0	.2	.2	4.8
26	18.0	24.2	20.8	85.3	0.0	.2	.2	1.6
27	18.1	23.1	20.6	87.3	0.0	.2	.2	.9
28	18.0	24.0	20.4	83.3	0.0	0.0	0.0	1.4
29	18.1	23.2	20.4	84.7	1.1	0.0	1.1	2.5
30	16.8	23.3	20.2	81.3	.8	0.0	.8	3.7
31								
Total :					96.7	28.5	125.2	86.9
Promedio :	17.7	23.7	20.5	82.1				

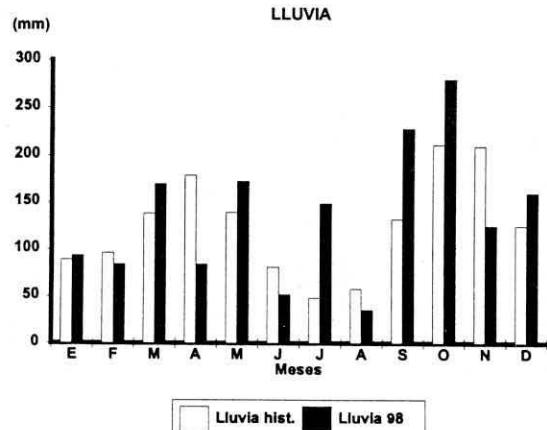
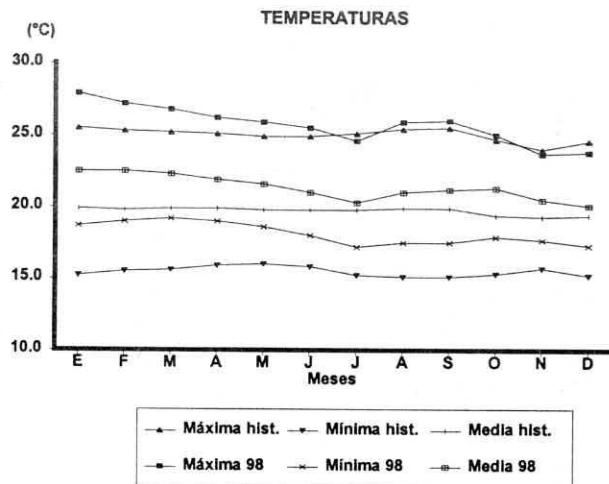
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.2	24.2	20.8	79.7	8.7	0.0	8.7	4.0
2	16.5	23.4	20.0	89.3	2.4	.2	2.6	1.9
3	18.0	22.8	19.8	95.7	0.0	2.7	2.7	2.5
4	17.8	22.1	19.3	96.3	2.9	0.0	2.9	.3
5	17.0	22.5	20.1	89.0	0.0	0.0	0.0	1.8
6	18.0	23.5	19.4	90.7	2.4	8.1	10.5	2.7
7	17.8	23.1	20.0	91.7	.6	.6	1.2	2.4
8	18.0	23.2	19.9	89.0	0.0	2.9	2.9	2.6
9	17.0	22.6	19.6	86.0	33.5	.3	33.8	2.0
10	17.2	21.4	19.3	94.3	1.2	0.0	1.2	1.4
11	17.1	21.2	18.8	95.7	.8	.2	1.0	.3
12	17.0	23.0	20.6	84.3	.7	.1	.8	2.9
13	17.1	23.2	19.5	82.0	0.0	0.0	0.0	.9
14	17.4	26.0	21.4	66.7	0.0	0.0	0.0	3.8
15	17.8	24.0	20.2	83.0	1.1	0.0	1.1	3.2
16	17.0	23.0	20.0	67.0	0.0	0.0	0.0	3.4
17	16.2	23.3	20.1	75.0	0.0	0.0	0.0	1.7
18	17.2	25.1	20.7	79.0	0.0	0.0	0.0	4.9
19	17.6	24.2	19.6	94.0	2.1	0.0	2.1	3.5
20	16.6	24.5	20.7	83.7	1.3	0.0	1.3	3.9
21	18.6	27.0	21.5	75.7	0.0	0.0	0.0	5.2
22	17.2	26.9	21.0	75.3	0.0	0.0	0.0	6.6
23	15.7	26.2	19.1	80.0	3.7	46.3	50.0	7.6
24	16.6	25.0	20.0	69.0	0.0	0.0	0.0	4.0
25	17.2	23.0	19.4	79.7	0.0	0.0	0.0	1.0
26	17.1	25.1	21.0	63.7	0.0	0.0	0.0	4.4
27	17.8	24.0	19.7	89.3	0.0	0.0	0.0	3.9
28	17.4	24.5	20.0	78.0	1.4	0.0	1.4	4.5
29	17.2	23.2	19.7	92.0	12.2	0.0	12.2	3.2
30	18.4	23.4	20.8	92.7	3.4	20.4	23.8	2.3
31	16.8	24.2	19.7	77.3	0.0	0.0	0.0	3.1
Total :					78.4	81.8	160.2	95.9
Promedio :	17.3	23.8	20.1	83.4				

Estación : MESITAS DE SANTA INES  
 Año : 1998

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.	Días Lluvia	Brillo Sol. (h)
Enero	18.7	27.9	22.5	29.7	16.5	63.9	93.4	9	186.7
Febrero	19.0	27.2	22.5	30.6	17.4	68.1	83.9	12	134.1
Marzo	19.2	26.8	22.3	29.5	17.7	74.3	169.8	15	77.1
Abril	19.0	26.2	21.9	28.6	18.0	76.7	83.9	18	73.1
Mayo	18.6	25.9	21.6	29.5	17.2	74.9	172.5	21	96.1
Junio	18.0	25.5	21.0	28.6	16.3	69.1	51.8	13	113.5
Julio	17.2	24.6	20.3	26.9	15.5	70.7	148.9	18	103.3
Agosto	17.5	25.9	21.0	29.5	15.4	67.3	35.4	13	114.5
Septiembre	17.5	26.0	21.2	29.0	15.5	68.9	228.4	18	127.3
Octubre	17.9	25.0	21.3	28.0	16.4	75.7	280.4	21	111.1
Noviembre	17.7	23.7	20.5	26.1	16.0	82.1	125.2	16	86.9
Diciembre	17.3	23.8	20.1	27.0	15.7	83.4	160.2	18	95.9
Promedio :	18.1	25.7	21.4			72.9			
Absoluta :				30.6	15.4				
Total :							1633.8	192	1319.6



Estación : MISIONES

Año : 1998

Dpto. : CUNDINAMARCA

Mpio. : EL COLEGIO

Latitud : 4 ° 33'N

Longitud : 74 ° 25'W

Altitud : 1540 m

Enero	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.2	25.0	20.5	75.0	0.0	0.0	0.0	2.7
2	18.0	29.5	21.4	66.3	0.0	0.0	0.0	6.3
3	17.2	30.8	22.5	49.0	0.0	0.0	0.0	8.1
4	18.9	33.0	24.8	48.3	0.0	0.0	0.0	8.5
5	19.0	32.0	24.2	55.0	0.0	0.0	0.0	6.8
6	20.3	30.8	24.0	59.3	0.0	0.0	0.0	5.2
7	19.5	25.5	21.2	80.3	0.0	0.0	0.0	.5
8	18.7	29.4	22.6	73.0	0.0	1.9	1.9	6.3
9	17.9	28.0	22.3	69.3	0.0	0.0	0.0	1.7
10	18.0	26.0	21.8	71.7	0.0	6.9	6.9	2.0
11	17.0	28.2	22.3	69.7	0.0	.3	.3	3.2
12	18.8	24.5	20.8	77.0	.4	0.0	.4	.6
13	18.2	28.7	22.9	67.0	0.0	0.0	0.0	4.8
14	18.0	28.2	21.2	80.7	.8	0.0	.8	1.4
15	19.5	29.0	22.8	73.0	0.0	0.0	0.0	4.5
16	19.2	29.9	22.3	70.7	0.0	0.0	0.0	3.8
17	19.6	28.1	22.4	74.3	0.0	0.0	0.0	5.0
18	19.0	29.0	22.8	72.7	0.0	0.0	0.0	5.3
19	18.1	29.0	23.0	67.3	0.0	1.4	1.4	6.8
20	18.0	25.4	19.8	80.7	0.0	0.0	0.0	0.0
21	19.0	28.1	22.2	67.3	0.0	0.0	0.0	4.8
22	20.0	30.0	23.5	61.0	0.0	0.0	0.0	6.1
23	20.1	30.5	24.3	64.7	0.0	0.0	0.0	4.5
24	20.3	29.1	23.1	64.0	0.0	0.0	0.0	6.8
25	18.9	30.8	23.0	61.0	0.0	0.0	0.0	8.8
26	19.0	28.0	22.3	67.7	0.0	0.0	0.0	4.5
27	20.8	30.8	23.8	62.0	0.0	22.2	22.2	4.0
28	18.1	25.8	21.0	83.0	0.0	0.0	0.0	1.0
29	17.8	29.0	22.0	76.0	0.0	0.0	0.0	3.8
30	19.5	27.7	23.0	67.0	0.0	0.0	0.0	2.2
31	19.8	29.8	23.0	75.3	.9	0.0	.9	4.5
Total :					2.1	32.7	34.8	
Promedio :	18.8	28.7	22.5	68.7				134.5

Febrero	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	20.1	30.3	23.2	70.7	0.0	0.0	0.0	4.7
2	21.0	31.2	25.2	61.3	.8	0.0	.8	7.5
3	20.0	31.8	25.1	57.3	0.0	0.0	0.0	2.1
4	19.9	26.1	22.0	75.0	13.6	0.0	13.6	2.0
5	19.2	30.0	23.7	65.0	0.0	0.0	0.0	2.8
6	19.0	27.2	22.4	71.7	.1	0.0	.1	1.1
7	20.8	26.3	23.2	72.0	0.0	6.2	6.2	1.7
8	16.2	22.8	19.2	83.3	.2	0.0	.2	0.0
9	17.5	22.0	18.7	89.7	1.2	0.0	1.2	.1
10	16.8	20.2	17.8	92.3	0.0	2.7	2.7	0.0
11	16.8	20.1	17.9	88.3	0.0	0.0	0.0	0.0
12	17.5	21.3	19.1	87.7	.7	.2	.9	.2
13	19.0	29.5	22.1	70.3	4.5	0.0	4.5	3.6
14	19.3	27.3	20.9	73.3	2.4	0.0	2.4	3.2
15	17.2	27.1	20.8	81.0	2.9	0.0	2.9	2.2
16	17.5	29.4	23.5	57.0	0.0	0.0	0.0	8.2
17	19.3	32.9	25.4	48.0	0.0	0.0	0.0	9.7
18	20.8	30.5	24.6	52.7	0.0	0.0	0.0	8.0
19	20.0	30.8	24.5	65.3	0.0	0.0	0.0	6.2
20	19.0	29.1	22.6	78.0	0.0	2.0	2.0	5.7
21	18.2	27.7	22.2	78.7	1.2	.3	1.5	3.4
22	19.8	26.8	22.0	75.7	0.0	.4	.4	2.4
23	18.0	26.8	21.0	78.7	0.0	0.0	0.0	1.9
24	19.0	27.2	22.6	72.3	0.0	0.0	0.0	3.2
25	18.4	27.0	22.1	78.0	0.0	0.0	0.0	3.3
26	19.1	29.9	22.5	67.0	0.0	0.0	0.0	7.5
27	19.0	29.0	22.2	67.0	1.9	0.0	1.9	5.7
28	19.3	30.7	23.5	67.7	0.0	14.9	14.9	8.0
29								
30								
31								
Total :					31.4	26.9	58.3	
Promedio :	18.8	27.5	22.1	72.3				104.4

Estación : MISIONES  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : EL COLEGIO

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.2	28.7	21.8	79.7	0.0	24.4	24.4	3.9
2	17.0	24.8	20.6	86.0	0.0	0.0	0.0	1.9
3	19.0	26.8	21.3	74.3	0.0	0.0	0.0	2.5
4	19.0	30.0	23.0	70.0	0.0	0.0	0.0	2.9
5	20.0	27.0	22.2	68.3	0.0	0.0	0.0	1.8
6	18.2	26.3	22.6	80.0	.6	0.0	.6	1.3
7	19.2	26.8	21.6	76.3	1.5	.3	1.8	2.9
8	18.6	24.2	21.4	74.0	.2	0.0	.2	1.2
9	18.5	26.5	21.2	77.0	0.0	0.0	0.0	1.0
10	19.0	28.4	22.3	73.0	0.0	17.0	17.0	4.8
11	18.5	28.0	21.5	75.3	2.3	0.0	2.3	2.7
12	18.7	27.2	22.0	77.3	0.0	2.4	2.4	4.8
13	18.0	26.3	21.8	78.3	0.0	0.0	0.0	2.7
14	19.0	27.8	23.0	68.0	0.0	0.0	0.0	2.6
15	18.5	26.2	21.5	80.0	0.0	0.0	0.0	2.0
16	18.3	25.6	21.8	80.0	0.0	.1	.1	.7
17	17.7	29.0	22.3	70.7	0.0	0.0	0.0	4.2
18	20.0	29.4	23.0	70.3	0.0	0.0	0.0	5.9
19	21.0	29.5	23.4	71.0	0.0	0.0	0.0	3.8
20	19.5	25.0	21.9	75.3	.2	0.0	.2	0.0
21	19.0	26.0	21.4	73.7	0.0	0.0	0.0	.5
22	19.8	28.7	23.6	65.0	0.0	27.6	27.6	1.9
23	17.0	25.0	20.4	77.3	.9	0.0	.9	.6
24	18.0	26.0	19.4	92.3	15.0	0.0	15.0	1.1
25	18.0	25.0	20.7	84.7	8.3	4.5	12.8	.7
26	18.4	25.0	20.8	84.0	0.0	0.0	0.0	.1
27	19.0	30.2	22.9	65.0	0.0	0.0	0.0	4.6
28	17.2	22.0	20.4	86.3	31.6	0.0	31.6	.1
29	18.0	24.9	20.2	90.7	2.5	.5	3.0	1.0
30	19.0	21.6	19.6	89.3	8.0	15.6	23.6	0.0
31	17.0	25.0	21.0	83.0	2.7	2.0	4.7	1.6
Total :					73.8	94.4	168.2	65.8
Promedio :	18.6	26.5	21.6	77.3				
Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	24.8	21.2	81.7	.2	3.7	3.9	.4
2	17.9	24.0	20.6	86.0	3.8	0.0	3.8	2.1
3	18.0	24.2	20.8	85.0	2.4	31.0	33.4	.6
4	16.8	24.0	19.3	90.7	1.5	.2	1.7	2.6
5	17.8	28.5	22.0	82.0	0.0	1.9	1.9	3.9
6	16.9	24.8	20.4	83.0	0.0	0.0	0.0	.3
7	18.0	26.9	21.0	76.7	0.0	0.0	0.0	2.3
8	17.4	22.0	20.0	79.0	6.0	.1	6.1	.2
9	19.6	25.8	21.5	73.7	0.0	0.0	0.0	2.3
10	19.0	26.9	22.4	66.7	0.0	0.0	0.0	2.5
11	19.8	27.0	22.5	75.3	.2	2.0	2.2	2.9
12	18.0	24.0	21.6	79.3	0.0	0.0	0.0	.7
13	19.0	22.8	20.0	91.3	30.8	0.0	30.8	.2
14	17.2	23.0	20.0	87.3	4.6	0.0	4.6	0.0
15	18.7	27.1	22.2	78.3	.4	.6	1.0	4.6
16	20.0	24.0	21.8	78.0	0.0	0.0	0.0	.2
17	19.0	26.6	22.6	77.3	0.0	0.0	0.0	2.1
18	19.0	27.4	21.5	82.0	0.0	.2	.2	3.0
19	17.0	22.2	19.6	86.3	8.0	.3	8.3	.1
20	18.0	27.0	21.1	84.7	2.7	.1	2.8	3.9
21	18.0	26.8	24.2	80.7	.5	0.0	.5	2.8
22	18.8	24.3	21.0	85.3	.2	0.0	.2	1.1
23	18.6	26.1	20.8	77.7	7.9	0.0	7.9	1.6
24	18.7	25.3	21.4	72.3	.3	0.0	.3	1.3
25	18.9	26.2	22.2	74.7	0.0	.3	.3	2.8
26	17.0	22.5	19.3	86.3	6.7	0.0	6.7	.1
27	18.0	26.2	21.3	71.3	.4	0.0	.4	1.6
28	20.0	24.0	20.6	86.3	.4	.2	.6	1.8
29	18.0	23.4	21.2	87.7	.1	0.0	.1	1.1
30	19.0	24.0	20.2	85.3	1.2	.3	1.5	.8
Total :					78.3	40.9	119.2	49.9
Promedio :	18.3	25.1	21.1	81.1				

Estación : MISIONES  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : EL COLEGIO

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

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	25.0	21.6	80.7	0.0	14.0	14.0	.5
2	18.0	23.0	19.6	83.0	1.0	0.0	1.0	.7
3	18.9	22.3	19.8	84.3	1.4	9.9	11.3	0.0
4	17.2	21.8	19.4	88.3	3.5	1.6	5.1	0.0
5	18.0	23.0	20.2	89.7	.9	8.7	9.6	.2
6	17.3	20.6	18.8	88.3	10.2	0.0	10.2	.1
7	17.5	27.4	21.8	72.7	0.0	.3	.3	4.2
8	18.8	25.4	20.3	86.0	.1	0.0	.1	1.5
9	16.5	24.9	20.7	84.3	18.0	0.0	18.0	1.4
10	17.0	28.0	21.8	68.3	2.5	.3	2.8	3.3
11	18.0	26.2	22.0	75.0	.1	0.0	.1	3.4
12	18.1	21.4	19.7	82.7	.5	0.0	.5	.1
13	17.0	27.8	22.1	74.7	0.0	0.0	0.0	6.2
14	20.0	27.6	21.8	71.7	0.0	.4	.4	2.6
15	18.0	23.0	20.3	82.3	.5	0.0	.5	.4
16	18.9	28.3	22.3	72.0	0.0	.3	.3	3.3
17	17.0	24.0	20.6	76.3	4.9	8.6	13.5	.2
18	16.0	24.8	20.0	70.7	.2	0.0	.2	.1
19	17.8	28.0	22.1	70.3	0.0	0.0	0.0	1.9
20	19.0	30.8	25.4	52.7	0.0	0.0	0.0	8.3
21	19.2	30.2	24.8	58.3	0.0	0.0	0.0	7.9
22	20.0	30.0	24.2	61.3	.4	0.0	.4	5.4
23	20.2	26.0	22.2	71.0	.3	0.0	.3	.1
24	20.5	24.8	22.4	68.7	0.0	0.0	0.0	.1
25	19.0	29.0	23.4	66.7	0.0	1.5	1.5	2.1
26	18.0	21.5	19.6	88.3	.6	0.0	.6	0.0
27	17.9	23.0	20.1	80.7	7.5	10.6	18.1	.3
28	16.5	22.0	18.0	86.3	13.8	3.3	17.1	.6
29	15.8	20.3	18.2	83.0	1.1	0.0	1.1	0.0
30	16.7	23.1	19.9	78.3	0.0	0.0	0.0	.3
31	18.5	27.0	20.6	76.0	14.0	1.2	15.2	4.3
Total :					81.5	60.7	142.2	59.5
Promedio :	18.1	25.2	21.1	76.5				
Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.2	24.0	20.6	75.3	.2	1.0	1.2	.2
2	18.0	25.8	20.5	82.3	0.0	11.3	11.3	1.0
3	17.0	20.0	18.2	88.3	13.2	0.0	13.2	.3
4	17.1	24.3	19.8	72.7	2.2	0.0	2.2	1.6
5	17.0	23.8	20.4	72.0	0.0	0.0	0.0	.6
6	17.6	25.2	21.8	70.0	0.0	0.0	0.0	4.4
7	19.0	23.7	20.3	73.7	2.8	0.0	2.8	.9
8	18.7	23.4	20.0	81.3	2.3	0.0	2.3	1.2
9	17.8	24.1	20.4	77.7	0.0	0.0	0.0	1.7
10	18.9	25.9	21.6	71.3	0.0	0.0	0.0	3.6
11	19.7	24.5	21.9	68.7	0.0	.5	.5	2.8
12	17.0	26.4	21.3	71.7	.2	0.0	.2	2.7
13	18.9	26.0	22.9	59.3	0.0	.1	.1	5.5
14	18.5	26.6	22.2	68.3	0.0	1.6	1.6	3.6
15	16.0	19.5	17.4	84.0	5.7	.9	6.6	0.0
16	17.0	22.0	19.4	69.0	1.0	0.0	1.0	1.2
17	17.5	22.8	20.2	75.0	.2	0.0	.2	2.1
18	17.9	26.3	21.8	68.3	0.0	0.0	0.0	4.3
19	18.1	22.0	19.3	84.7	0.0	0.0	0.0	.4
20	17.2	23.0	19.7	77.3	0.0	0.0	0.0	1.2
21	17.0	23.6	20.6	69.3	0.0	5.3	5.3	2.1
22	15.2	22.9	19.2	81.3	1.9	0.0	1.9	1.0
23	16.0	19.8	17.6	81.3	6.8	0.0	6.8	.4
24	17.2	24.1	20.9	61.7	0.0	0.0	0.0	2.2
25	18.2	24.0	21.7	65.3	0.0	0.0	0.0	1.3
26	18.4	23.8	21.3	71.3	0.0	0.0	0.0	2.4
27	16.9	22.0	18.0	83.0	4.1	0.0	4.1	.5
28	16.3	23.9	19.2	75.7	1.1	0.0	1.1	1.1
29	15.0	23.0	19.7	66.3	0.0	0.0	0.0	.2
30	16.0	25.0	21.7	56.0	0.0	0.0	0.0	6.0
31					41.7	20.7	62.4	56.5
Total :								
Promedio :	17.4	23.7	20.3	73.4				

Estación : MISIONES  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : EL COLEGIO

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

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	25.2	21.0	57.0	0.0	0.0	0.0	4.0
2	18.0	23.8	20.0	69.0	2.1	0.0	2.1	.5
3	17.0	23.4	21.0	74.7	.2	12.0	12.2	2.2
4	15.8	25.0	20.0	76.7	0.0	8.7	8.7	1.6
5	15.0	20.0	18.2	83.3	5.9	1.0	6.9	.1
6	16.6	22.0	18.8	71.0	1.4	0.0	1.4	.4
7	17.4	21.0	19.7	76.3	1.0	.1	1.1	.1
8	18.0	24.0	20.2	70.0	.9	2.5	3.4	3.6
9	14.2	19.1	17.1	86.0	3.5	2.6	6.1	0.0
10	16.1	21.0	18.7	76.7	.2	0.0	.2	.8
11	16.0	22.3	19.1	76.3	0.0	.5	.5	.7
12	16.2	24.0	20.1	73.3	0.0	0.0	0.0	4.5
13	15.3	24.1	21.1	62.7	.2	0.0	.2	3.5
14	17.0	24.0	20.5	60.0	0.0	0.0	0.0	3.5
15	18.8	23.2	19.9	62.7	1.0	0.0	1.0	1.7
16	16.9	23.5	19.7	74.7	1.9	0.0	1.9	1.2
17	15.7	22.5	19.3	81.0	0.0	3.1	3.1	.6
18	16.7	22.2	19.6	81.0	0.0	2.3	2.3	1.2
19	15.3	20.0	17.6	92.3	7.6	1.1	8.7	.3
20	17.0	25.2	21.3	60.7	0.0	0.0	0.0	5.8
21	16.8	24.5	20.9	59.7	0.0	3.5	3.5	3.6
22	16.3	20.5	17.2	91.0	1.8	0.0	1.8	.3
23	16.2	24.0	19.8	75.3	.4	.6	1.0	2.2
24	16.0	21.0	18.9	84.7	0.0	0.0	0.0	.6
25	16.1	21.7	18.6	80.3	3.2	0.0	3.2	2.1
26	17.2	24.2	20.2	74.3	0.0	0.0	0.0	3.7
27	17.4	23.5	21.1	70.0	0.0	1.5	1.5	1.5
28	17.0	24.0	20.6	76.3	.1	0.0	.1	3.5
29	16.5	23.5	20.2	78.0	0.0	.4	.4	2.0
30	14.8	18.8	17.0	86.7	7.6	0.0	7.6	.3
31	16.0	23.0	20.2	64.7	0.0	0.0	0.0	2.6
Total :					39.0	39.9	78.9	58.7
Promedio :	16.5	22.7	19.6	74.4				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.3	24.8	21.2	64.3	0.0	.2	.2	2.2
2	18.0	24.5	21.2	68.3	0.0	0.0	0.0	3.8
3	18.5	25.0	21.7	61.7	0.0	0.0	0.0	4.5
4	19.0	24.5	21.0	69.0	.7	0.0	.7	1.3
5	18.0	25.5	21.9	72.3	0.0	0.0	0.0	2.1
6	16.0	19.2	17.6	88.7	.3	.1	.4	0.0
7	16.1	22.5	19.6	68.0	.9	0.0	.9	.8
8	16.5	22.3	18.9	84.0	1.8	0.0	1.8	2.4
9	16.0	25.5	21.2	69.3	0.0	0.0	0.0	6.1
10	18.0	25.5	20.0	77.0	.5	.5	1.0	2.4
11	16.0	23.0	20.0	78.3	0.0	0.0	0.0	2.0
12	18.0	24.0	19.9	71.7	0.0	0.0	0.0	2.2
13	17.5	23.5	20.0	75.7	.1	0.0	.1	1.8
14	17.0	26.5	21.8	64.0	0.0	0.0	0.0	5.2
15	16.5	23.0	19.0	91.7	.5	2.7	3.2	2.3
16	17.0	22.5	20.5	71.0	.8	0.0	.8	1.5
17	18.5	22.0	20.2	75.0	0.0	0.0	0.0	.6
18	18.0	26.0	22.5	62.0	0.0	0.0	0.0	7.3
19	17.5	23.0	19.9	85.7	0.0	0.0	0.0	3.8
20	15.0	23.4	19.6	81.7	32.5	0.0	32.5	3.1
21	17.0	23.0	20.2	84.0	0.0	.7	.7	1.2
22	17.2	23.7	19.6	81.3	.2	0.0	.2	2.2
23	18.0	25.0	20.4	69.7	1.2	0.0	1.2	3.7
24	19.0	26.5	22.4	62.3	0.0	.1	.1	7.6
25	17.5	23.5	20.4	83.3	.5	.3	.8	.9
26	18.5	22.0	20.2	79.0	0.0	0.0	0.0	.2
27	17.5	23.5	20.0	78.0	0.0	0.0	0.0	2.2
28	18.0	24.5	21.0	67.7	0.0	0.0	0.0	4.8
29	18.0	26.5	21.7	59.0	0.0	0.0	0.0	4.5
30	17.0	21.5	19.4	84.3	1.4	0.0	1.4	1.5
31	17.5	23.0	20.1	71.3	0.0	0.0	0.0	.3
Total :					41.4	4.6	46.0	84.5
Promedio :	17.4	23.8	20.4	74.2				

Estación : MISIONES  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : EL COLEGIO

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.5	25.5	21.0	67.3	0.0	0.0	0.0	5.3
2	18.5	23.5	21.0	73.3	0.0	.2	.2	1.4
3	18.0	22.0	19.9	84.0	0.0	0.0	0.0	.4
4	17.3	24.2	21.0	76.0	0.0	0.0	0.0	2.3
5	17.0	24.0	20.2	79.3	0.0	0.0	0.0	3.9
6	18.5	25.5	22.0	70.3	0.0	0.0	0.0	3.9
7	18.0	26.0	22.4	71.3	0.0	.3	.3	6.1
8	16.1	21.5	18.6	90.3	11.7	0.0	11.7	.3
9	17.0	23.5	19.6	79.0	.3	0.0	.3	2.7
10	17.0	25.0	19.8	78.7	0.0	0.0	0.0	3.0
11	16.5	23.5	19.4	79.7	.8	0.0	.8	1.8
12	15.0	24.0	17.9	81.3	23.2	0.0	23.2	2.7
13	16.5	25.0	20.6	73.7	.2	29.1	29.3	5.5
14	15.5	22.5	19.8	76.0	.7	7.3	8.0	1.5
15	15.0	23.5	19.1	79.0	2.1	0.0	2.1	2.1
16	17.5	25.5	21.3	71.7	.5	0.0	.5	4.0
17	19.0	25.5	21.5	72.0	.2	0.0	.2	5.1
18	18.5	23.5	20.8	79.7	0.0	0.0	0.0	1.2
19	16.5	21.5	19.0	90.7	.2	0.0	.2	.7
20	17.5	24.0	20.2	74.0	1.0	3.6	4.6	3.2
21	17.0	23.0	20.8	72.7	0.0	0.0	0.0	.5
22	17.0	25.0	20.4	75.7	.8	14.2	15.0	3.2
23	16.5	21.5	19.6	78.0	3.5	0.0	3.5	1.0
24	18.0	24.5	20.2	77.0	0.0	0.0	0.0	1.9
25	18.5	22.5	20.5	71.3	0.0	0.0	0.0	.9
26	18.5	25.0	21.0	74.3	0.0	0.0	0.0	1.2
27	18.0	24.5	20.4	74.7	1.3	0.0	1.3	5.2
28	17.0	23.7	20.8	78.7	0.0	0.0	0.0	5.6
29	18.0	24.0	20.8	77.3	0.0	0.0	0.0	3.3
30	17.2	21.2	19.1	85.7	0.0	0.0	0.0	3.7
31								
Total :					46.5	54.7	101.2	
Promedio :	17.2	23.8	20.3	77.1				83.6
Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.2	23.4	20.6	74.7	29.0	0.0	29.0	2.5
2	17.2	23.0	20.0	77.0	0.0	0.0	0.0	2.4
3	18.0	28.0	23.4	51.7	0.0	0.0	0.0	4.8
4	19.2	27.8	22.8	56.7	0.0	15.3	15.3	2.5
5	19.0	25.9	22.1	67.7	0.0	.2	.2	3.2
6	17.9	26.0	22.0	68.7	1.0	.2	1.2	1.1
7	18.9	26.2	22.2	65.7	7.5	.1	7.6	2.1
8	18.2	26.4	20.8	64.7	0.0	0.0	0.0	3.7
9	17.0	24.1	20.2	70.7	.5	0.0	.5	1.0
10	19.0	26.9	22.7	61.0	0.0	0.0	0.0	7.6
11	18.0	25.9	22.5	71.7	0.0	0.0	0.0	8.8
12	17.1	27.1	21.4	70.7	0.0	0.0	0.0	5.3
13	17.0	22.4	20.0	82.3	0.0	0.0	0.0	3.0
14	16.8	24.8	21.1	78.0	0.0	0.0	0.0	4.1
15	17.1	24.8	19.8	88.0	1.0	6.9	7.9	1.1
16	15.9	22.0	19.0	80.3	0.0	0.0	0.0	2
17	17.0	24.1	20.4	77.0	1.3	21.5	22.8	2.3
18	14.0	24.9	18.8	81.3	0.0	0.0	0.0	3.1
19	17.8	22.1	19.2	81.0	15.3	0.0	15.3	.2
20	17.9	22.9	20.0	76.7	.1	.5	.6	1.8
21	16.1	25.8	19.8	76.7	1.7	8.1	9.8	3.1
22	16.1	26.1	21.1	76.7	0.0	5.7	5.7	4.8
23	16.7	25.1	20.6	74.7	2.0	3.0	5.0	3.7
24	15.0	21.2	18.6	87.7	0.0	17.6	17.6	1.6
25	15.1	20.9	17.7	89.3	0.0	7.0	7.0	1.5
26	16.2	23.5	19.1	77.3	0.0	0.0	0.0	5.7
27	17.5	25.5	21.0	75.0	1.2	4.6	5.8	5.6
28	16.1	24.0	19.6	85.3	0.0	10.0	10.0	5.3
29	16.0	21.8	18.8	86.0	0.0	1.0	1.0	.5
30	15.0	22.2	19.0	76.7	.3	0.0	.3	.4
31	18.0	21.3	19.2	80.7	2.1	0.0	2.1	1.2
Total :					63.0	101.7	164.7	
Promedio :	17.0	24.4	20.4	75.2				94.2

Estación : MISIONES  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : EL COLEGIO

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

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	25.1	20.9	70.3	0.0	0.0	0.0	8.0
2	16.9	24.8	20.4	79.7	0.0	0.0	0.0	6.9
3	17.5	23.9	19.4	81.7	1.2	0.0	1.2	2.4
4	16.5	21.5	18.6	91.0	.8	0.0	.8	1.7
5	16.1	22.1	19.0	83.3	1.6	1.4	3.0	3.3
6	15.0	20.0	16.6	94.0	7.8	0.0	7.8	.3
7	16.1	21.9	18.4	72.0	1.3	0.0	1.3	.3
8	16.0	24.8	19.8	80.3	0.0	0.0	0.0	3.1
9	17.0	21.2	19.1	86.3	0.0	6.4	6.4	.5
10	15.0	23.4	18.9	84.0	.2	0.0	.2	5.4
11	16.9	23.0	19.2	78.3	0.0	0.0	0.0	1.6
12	16.8	23.1	19.6	81.3	4.8	0.0	4.8	4.2
13	16.7	23.2	18.3	93.0	34.5	6.5	41.0	2.9
14	16.0	22.2	18.0	87.3	4.0	0.0	4.0	2.0
15	17.1	22.8	19.8	73.0	.9	0.0	.9	1.8
16	17.0	23.0	20.5	71.7	0.0	0.0	0.0	1.1
17	18.0	22.9	19.8	76.3	0.0	0.0	0.0	4.1
18	17.8	24.9	20.6	72.7	0.0	0.0	0.0	4.6
19	17.4	23.8	20.2	80.0	.8	.2	1.0	3.7
20	16.1	20.4	18.2	93.3	.3	0.0	.3	.1
21	16.1	21.9	18.8	88.0	1.7	5.2	6.9	1.9
22	16.0	18.2	17.2	91.3	4.4	0.0	4.4	0.0
23	15.9	24.7	19.1	87.7	0.0	0.0	0.0	3.5
24	16.2	22.4	17.8	91.3	.3	4.5	4.8	1.0
25	15.0	23.2	18.6	84.7	0.0	9.7	9.7	5.6
26	16.0	23.0	18.5	88.7	.5	0.0	.5	1.9
27	16.1	23.2	18.4	89.7	5.0	0.0	5.0	1.9
28	16.0	20.1	17.8	93.3	1.4	0.0	1.4	.5
29	15.8	21.4	18.6	87.7	2.6	6.5	9.1	1.9
30	16.0	23.9	19.5	81.3	.1	11.0	11.1	4.8
31								
Total :					74.2	51.4	125.6	81.0
Promedio :	16.4	22.7	19.0	83.8				

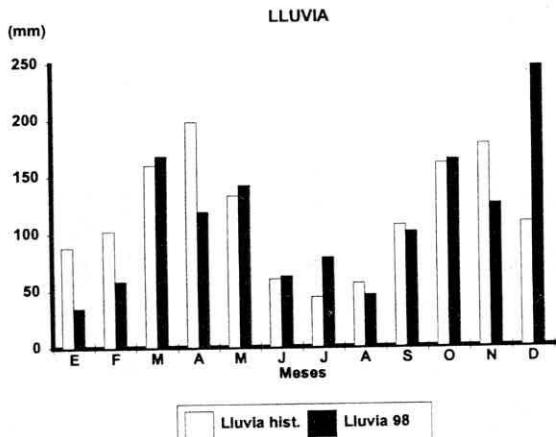
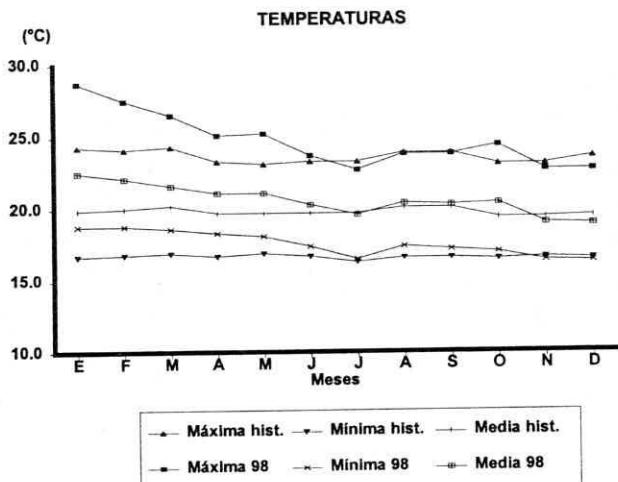
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	23.9	19.0	89.3	0.0	0.0	0.0	4.3
2	16.3	23.8	19.0	88.0	10.0	26.0	36.0	2.6
3	15.4	21.0	18.2	90.7	20.0	11.0	31.0	1.6
4	16.0	20.1	17.6	92.0	3.2	0.0	3.2	.2
5	16.1	22.1	18.8	85.0	0.0	0.0	0.0	1.2
6	17.1	21.4	18.4	88.0	2.0	15.1	17.1	1.5
7	16.5	21.5	17.9	94.0	5.2	25.1	30.3	.5
8	15.8	21.9	18.1	91.3	0.0	9.4	9.4	1.0
9	15.1	23.2	18.8	82.3	30.8	0.0	30.8	2.1
10	16.2	22.1	18.8	86.7	0.0	0.0	0.0	1.4
11	16.4	20.4	18.3	87.0	.5	.8	1.3	.6
12	16.1	21.2	18.5	90.7	3.1	.1	3.2	.5
13	16.7	21.8	19.0	81.3	0.0	0.0	0.0	.9
14	17.1	24.5	20.4	73.3	0.0	0.0	0.0	1.5
15	16.0	22.0	18.8	79.3	.3	0.0	.3	2.5
16	18.8	22.8	20.0	62.7	0.0	0.0	0.0	1.8
17	17.2	23.0	19.0	77.0	0.0	0.0	0.0	1.1
18	16.2	24.5	20.0	77.3	0.0	0.0	0.0	5.4
19	16.1	24.0	19.4	81.7	.5	0.0	.5	3.0
20	16.2	24.6	20.1	78.3	0.0	0.0	0.0	4.1
21	17.1	26.0	20.2	80.7	0.0	0.0	0.0	6.9
22	16.1	25.2	19.7	78.7	0.0	0.0	0.0	5.5
23	15.8	25.4	19.4	76.7	0.0	31.0	31.0	4.4
24	14.2	21.9	17.7	83.3	0.0	0.0	0.0	1.4
25	17.0	19.2	17.8	81.7	1.7	0.0	1.7	.3
26	16.2	25.2	19.0	76.0	0.0	0.0	0.0	2.3
27	16.0	22.1	18.8	84.7	13.8	0.0	13.8	3.8
28	16.4	21.4	17.7	88.0	20.6	0.0	20.6	3.3
29	16.5	22.9	18.6	88.0	.1	0.0	.1	2.7
30	16.2	22.1	19.0	89.3	0.0	15.8	15.8	1.3
31	15.2	22.9	18.4	88.7	0.0	0.0	0.0	2.0
Total :					111.8	134.3	246.1	71.7
Promedio :	16.3	22.7	18.9	83.6				

Estación : MISIONES  
Año : 1998

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	18.8	28.7	22.5	33.0	17.0	68.7	34.8	8	134.5
Febrero	18.8	27.5	22.1	32.9	16.2	72.3	58.3	16	104.4
Marzo	18.6	26.5	21.6	30.2	17.0	77.3	168.2	17	65.8
Abril	18.3	25.1	21.1	28.5	16.8	81.1	119.2	23	49.9
Mayo	18.1	25.2	21.1	30.8	15.8	76.5	142.2	25	59.5
Junio	17.4	23.7	20.3	26.6	15.0	73.4	62.4	18	56.5
Julio	16.5	22.7	19.6	25.2	14.2	74.4	78.9	24	58.7
Agosto	17.4	23.8	20.4	26.5	15.0	74.2	46.0	16	84.5
Septiembre	17.2	23.8	20.3	26.0	15.0	77.1	101.2	16	83.6
Octubre	17.0	24.4	20.4	28.0	14.0	75.2	164.7	20	94.2
Noviembre	16.4	22.7	19.0	25.1	15.0	83.8	125.6	22	81.0
Diciembre	16.3	22.7	18.9	26.0	14.2	83.6	246.1	17	71.7
Promedio :	17.6	24.7	20.6			76.5			
Absoluta :				33.0	14.0				
Total :							1347.6	222	944.3



Estación : GRANJA TIBACUY  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : TIBACUY

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.8	25.0	20.1	83.3	2.2	0.0	2.2	2.5
2	15.0	27.5	21.2	68.3	0.0	0.0	0.0	8.8
3	14.3	27.0	21.8	65.0	0.0	0.0	0.0	7.9
4	16.0	28.8	22.2	60.3	0.0	0.0	0.0	9.8
5	16.2	28.7	22.8	60.7	0.0	0.0	0.0	6.1
6	16.0	27.4	22.3	72.3	0.0	0.0	0.0	5.7
7	17.7	25.0	20.5	86.7	1.2	0.0	1.2	1.1
8	17.3	26.0	21.0	81.0	.7	0.0	.7	6.0
9	17.5	27.8	21.9	72.3	0.0	0.0	0.0	6.9
10	16.5	26.0	21.6	77.0	0.0	.4	.4	4.7
11	17.9	27.3	21.8	74.0	0.0	0.0	0.0	4.9
12	19.0	26.5	21.2	81.7	0.0	0.0	0.0	2.4
13	16.2	28.0	21.5	77.0	0.0	0.0	0.0	5.6
14	17.5	27.5	21.5	81.0	0.0	0.0	0.0	4.0
15	18.3	27.0	22.2	77.3	0.0	0.0	0.0	7.7
16	18.5	28.5	22.8	69.0	0.0	1.5	1.5	6.7
17	18.0	26.0	21.1	82.0	0.0	0.0	0.0	6.2
18	17.2	27.0	22.0	75.7	0.0	16.0	16.0	6.5
19	17.0	27.3	22.5	75.0	0.0	.5	.5	7.3
20	17.9	24.1	19.3	91.7	0.0	0.0	0.0	.9
21	16.5	27.2	21.0	75.7	0.0	0.0	0.0	7.1
22	17.7	28.2	22.5	75.0	0.0	0.0	0.0	6.6
23	18.0	28.0	22.6	73.3	0.0	.5	.5	5.5
24	17.0	27.8	21.4	76.0	0.0	0.0	0.0	7.6
25	16.0	27.0	21.1	71.0	0.0	0.0	0.0	6.6
26	17.0	27.5	21.8	66.3	0.0	0.0	0.0	7.9
27	18.0	27.0	22.6	70.7	0.0	0.0	0.0	4.6
28	19.0	25.5	21.2	82.3	0.0	0.0	0.0	1.7
29	16.2	26.5	21.1	77.3	0.0	0.0	0.0	2.7
30	18.0	27.2	22.7	69.7	0.0	0.0	0.0	6.2
31	19.5	27.5	23.7	72.3	0.0	0.0	0.0	6.1
Total :					4.1	18.9	23.0	
Promedio :	17.2	27.0	21.7	74.9				174.3
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	28.7	23.0	73.3	0.0	0.0	0.0	5.1
2	18.0	29.5	21.8	79.7	3.5	0.0	3.5	6.8
3	17.6	29.0	22.5	72.0	0.0	0.0	0.0	5.8
4	19.0	27.0	21.8	79.0	.1	0.0	.1	3.7
5	17.7	27.5	22.6	75.0	0.0	0.0	0.0	3.4
6	18.0	25.5	21.5	80.7	0.0	0.0	0.0	.5
7	17.9	28.0	22.6	81.0	0.0	7.6	7.6	4.1
8	18.0	20.8	18.8	96.0	11.6	.8	12.4	0.0
9	17.0	21.5	19.0	93.3	5.8	1.0	6.8	.1
10	17.8	19.0	18.2	97.3	.5	0.0	.5	0.0
11	17.7	22.0	19.2	94.3	0.0	0.0	0.0	.3
12	16.5	22.8	19.0	92.0	1.2	0.0	1.2	.5
13	16.0	25.5	21.1	78.3	0.0	0.0	0.0	4.6
14	18.5	26.5	21.4	83.3	.6	0.0	.6	5.0
15	18.0	24.5	20.1	87.3	7.5	0.0	7.5	3.0
16	15.0	27.0	21.0	72.0	0.0	0.0	0.0	10.0
17	16.5	29.0	22.5	62.7	0.0	0.0	0.0	10.1
18	16.7	28.0	22.6	63.7	0.0	0.0	0.0	8.0
19	18.8	27.5	22.6	72.7	0.0	.9	.9	6.6
20	18.0	27.3	21.7	78.7	0.0	35.7	35.7	7.6
21	17.8	25.0	21.5	85.0	0.0	0.0	0.0	4.5
22	17.5	26.0	21.6	79.7	0.0	16.0	16.0	8.2
23	16.8	25.2	21.6	75.3	0.0	0.0	0.0	3.8
24	17.5	26.0	21.4	85.0	0.0	0.0	0.0	5.8
25	18.0	26.2	21.4	83.0	0.0	0.0	0.0	9.4
26	17.7	26.5	21.0	79.0	0.0	0.0	0.0	8.1
27	16.5	26.0	21.3	80.7	0.0	0.0	0.0	7.0
28	16.3	27.0	22.0	75.7	0.0	.2	.2	7.6
29								
30								
31								
Total :					30.8	62.2	93.0	139.6
Promedio :	17.5	25.9	21.2	80.6				

Estación : GRANJA TIBACUY  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : TIBACUY

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	26.0	21.4	86.0	0.0	6.0	6.0	3.0
2	16.5	24.5	20.2	88.7	0.0	0.0	0.0	4.9
3	17.0	24.5	20.4	86.7	0.0	0.0	0.0	1.6
4	17.0	27.0	22.2	79.7	0.0	0.0	0.0	4.9
5	18.0	25.0	20.8	82.7	6.3	0.0	6.3	3.0
6	18.5	25.5	21.5	81.3	0.0	0.0	0.0	2.6
7	19.0	25.0	21.0	93.7	4.3	2.2	6.5	3.7
8	18.0	24.5	20.4	87.3	0.0	0.0	0.0	1.2
9	17.5	25.0	20.6	84.7	0.0	0.0	0.0	1.8
10	17.0	27.0	21.7	78.7	0.0	0.0	0.0	5.3
11	18.0	26.2	20.9	84.0	11.5	0.0	11.5	4.4
12	17.3	25.1	20.7	87.3	0.0	7.7	7.7	3.8
13	17.5	25.0	21.0	82.3	1.0	0.0	1.0	4.3
14	18.2	26.0	22.5	79.3	0.0	.2	.2	4.5
15	18.0	24.5	20.7	80.3	0.0	0.0	0.0	2.5
16	17.0	26.0	21.8	86.3	0.0	0.0	0.0	6.5
17	17.1	26.5	20.8	81.3	0.0	0.0	0.0	4.4
18	18.2	27.5	22.2	80.7	0.0	0.0	0.0	6.3
19	18.9	27.0	22.7	78.3	0.0	0.0	0.0	5.4
20	19.0	25.0	21.0	85.7	0.0	0.0	0.0	.9
21	17.0	24.8	20.5	83.7	0.0	0.0	0.0	1.8
22	18.5	27.0	22.8	75.7	0.0	0.0	0.0	5.8
23	17.8	24.0	19.8	88.3	1.5	0.0	1.5	.9
24	17.0	23.1	19.0	91.3	24.0	0.0	24.0	.9
25	16.9	26.0	21.3	80.3	0.0	0.0	0.0	2.2
26	19.0	25.8	21.7	80.3	0.0	0.0	0.0	1.1
27	18.0	27.5	21.6	77.3	1.8	0.0	1.8	4.8
28	18.5	23.5	20.1	88.3	0.0	0.0	0.0	.1
29	18.0	26.0	20.7	82.7	.1	0.0	.1	3.2
30	18.2	20.0	19.1	96.7	18.0	0.0	18.0	0.0
31	18.0	23.3	20.0	95.0	3.4	12.6	16.0	1.7
Total :					71.9	28.7	100.6	
Promedio :	17.9	25.3	21.0	84.3				97.5

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	24.5	20.2	92.3	1.8	2.2	4.0	.8
2	18.0	23.6	19.5	94.7	35.0	0.0	35.0	2.0
3	17.5	24.5	20.6	91.3	12.0	17.8	29.8	0.0
4	17.5	25.0	19.9	86.7	1.1	1.0	2.1	2.9
5	17.0	26.5	22.4	84.3	0.0	1.7	1.7	5.1
6	18.5	24.0	19.8	89.0	0.0	0.0	0.0	.9
7	18.0	24.2	20.5	86.0	0.0	0.0	0.0	2.1
8	18.0	22.0	20.0	83.0	0.0	0.0	0.0	.8
9	17.8	25.0	20.4	86.3	0.0	0.0	0.0	2.3
10	17.5	26.0	22.5	69.3	0.0	0.0	0.0	5.3
11	18.0	25.8	21.9	78.7	0.0	0.0	0.0	3.8
12	18.2	23.8	21.1	89.0	0.0	0.0	0.0	2.0
13	17.5	23.5	20.4	91.7	0.0	0.0	0.0	2.0
14	17.6	23.5	19.8	89.3	.6	0.0	.6	.7
15	17.0	27.0	22.7	79.3	0.0	8.2	8.2	9.9
16	19.0	25.0	20.2	89.0	0.0	0.0	0.0	1.8
17	18.0	25.0	21.2	84.7	0.0	0.0	0.0	1.1
18	18.2	25.5	20.7	86.7	0.0	0.0	0.0	2.3
19	18.4	23.0	19.6	96.0	3.0	1.0	4.0	0.0
20	18.0	24.3	21.4	92.3	2.0	.2	2.2	2.9
21	17.3	24.0	19.8	93.0	7.2	0.0	7.2	3.1
22	17.0	23.5	20.1	86.3	0.0	0.0	0.0	1.6
23	17.5	24.6	19.8	89.0	.4	0.0	.4	2.6
24	17.0	24.5	20.6	82.7	0.0	0.0	0.0	1.6
25	16.7	26.2	21.6	76.3	0.0	0.0	0.0	5.9
26	18.0	23.0	19.6	90.3	.6	0.0	.6	.2
27	17.8	26.0	21.3	80.3	0.0	0.0	0.0	4.0
28	17.0	25.5	21.8	75.7	0.0	0.0	0.0	4.2
29	17.2	26.0	21.2	81.0	0.0	0.0	0.0	6.6
30	17.8	24.3	19.6	89.3	1.2	.3	1.5	2.2
Total :					64.9	32.4	97.3	
Promedio :	17.7	24.6	20.7	86.1				80.7

Estación : GRANJA TIBACUY  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : TIBACUY

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

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.5	24.0	20.6	86.0	0.0	1.7	1.7	.6
2	18.2	21.5	19.4	96.3	.6	0.0	.6	.1
3	18.0	22.0	19.6	92.0	1.4	10.4	11.8	0.0
4	17.0	22.7	19.2	94.7	2.1	2.8	4.9	.2
5	17.5	22.0	19.4	93.0	1.4	1.1	2.5	.2
6	17.0	20.0	18.3	96.7	5.4	0.0	5.4	.1
7	16.0	25.0	20.2	80.7	0.0	1.5	1.5	4.5
8	17.0	24.9	20.2	86.7	0.0	.4	.4	3.2
9	17.5	24.5	20.2	87.7	14.4	0.0	14.4	3.5
10	16.0	24.8	20.2	89.3	1.5	0.0	1.5	2.1
11	16.5	25.0	20.2	87.3	2.0	0.0	2.0	4.2
12	17.5	22.5	19.2	91.7	5.7	0.0	5.7	.4
13	16.0	26.6	21.2	84.7	0.0	0.0	0.0	8.6
14	18.0	26.0	20.9	85.0	0.0	.8	.8	4.8
15	18.0	23.0	19.7	87.0	0.0	0.0	0.0	0.0
16	15.8	26.0	21.6	78.0	0.0	0.0	0.0	5.3
17	16.5	23.0	19.6	94.0	11.1	7.4	18.5	.2
18	17.0	22.8	19.5	83.7	0.0	0.0	0.0	.1
19	17.2	25.5	20.9	77.3	0.0	0.0	0.0	3.3
20	16.0	28.0	22.5	69.7	0.0	0.0	0.0	9.6
21	17.5	27.9	22.0	73.7	0.0	0.0	0.0	8.5
22	16.7	27.0	21.5	78.3	0.0	0.0	0.0	5.8
23	18.0	24.0	20.4	86.3	0.0	.2	.2	.8
24	17.7	24.5	20.7	84.7	0.0	0.0	0.0	1.4
25	16.5	26.0	21.4	89.0	.3	13.2	13.5	2.2
26	18.5	21.5	19.5	93.0	0.0	.2	.2	0.0
27	17.5	22.5	19.1	93.0	11.9	11.5	23.4	1.2
28	17.0	22.9	18.3	96.0	14.9	2.9	17.8	1.1
29	16.5	22.5	18.8	93.0	0.0	0.0	0.0	.1
30	15.5	24.0	20.3	85.7	0.0	0.0	0.0	1.9
31	16.8	26.5	21.3	79.7	.7	0.0	.7	6.4
Total					73.4	54.1	127.5	80.4
Promedio	17.0	24.2	20.2	86.9				
Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.5	24.0	19.8	89.7	.8	0.0	.8	1.5
2	16.5	24.2	20.2	90.3	0.0	6.3	6.3	3.6
3	16.1	19.0	17.3	96.7	2.1	0.0	2.1	0.0
4	15.8	23.0	19.7	88.7	.8	.1	.9	4.0
5	16.5	22.0	19.8	87.7	0.0	0.0	0.0	1.3
6	15.5	25.5	20.6	79.0	0.0	0.0	0.0	7.5
7	16.5	21.0	18.8	89.0	3.0	0.0	3.0	.2
8	16.0	23.0	20.0	83.3	0.0	.2	.2	2.1
9	17.8	24.5	20.5	82.3	0.0	0.0	0.0	3.6
10	17.0	26.0	20.8	75.3	0.0	0.0	0.0	5.4
11	16.5	25.8	20.5	83.0	0.0	2.1	2.1	6.3
12	16.2	24.7	20.0	84.7	0.0	0.0	0.0	5.6
13	16.0	26.3	21.2	73.0	0.0	0.0	0.0	8.7
14	16.5	26.0	21.7	75.3	0.0	9.2	9.2	6.1
15	16.2	22.0	17.8	94.7	.6	0.0	.6	.5
16	15.5	23.8	19.1	79.3	0.0	0.0	0.0	2.9
17	16.0	24.5	18.8	77.3	0.0	0.0	0.0	3.9
18	15.5	25.0	20.6	74.7	0.0	0.0	0.0	4.8
19	16.5	23.0	18.8	89.3	1.7	0.0	1.7	1.5
20	15.5	23.5	19.7	89.7	0.0	0.0	0.0	1.7
21	17.0	24.6	20.0	80.7	0.0	7.9	7.9	5.8
22	16.5	23.5	19.1	89.0	0.0	.3	.3	1.5
23	17.0	23.0	18.2	87.7	.2	0.0	.2	1.8
24	16.0	24.8	20.0	78.3	0.0	.4	.4	1.1
25	17.0	25.0	20.7	80.3	0.0	.8	.8	3.2
26	16.5	24.9	19.6	81.0	0.0	0.0	0.0	3.1
27	16.1	23.0	19.3	85.7	1.6	3.6	5.2	2.0
28	14.4	23.3	19.0	89.3	8.2	.2	8.4	1.4
29	14.0	24.5	19.2	77.7	0.0	0.0	0.0	1.4
30	13.9	25.5	20.0	73.7	0.0	0.0	0.0	7.9
31								
Total					19.0	31.1	50.1	100.4
Promedio	16.1	24.0	19.7	83.5				

Estación : GRANJA TIBACUY  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : TIBACUY

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

Julio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.2	26.0	20.4	75.0	0.0	0.0	0.0	6.4
2	16.0	24.4	19.0	82.0	3.1	0.0	3.1	.9
3	15.8	24.1	20.3	80.0	0.0	2.4	2.4	3.1
4	17.0	23.0	19.3	83.3	0.0	18.5	18.5	1.0
5	16.5	19.0	17.4	97.3	3.5	0.0	3.5	0.0
6	16.3	21.0	17.8	91.0	.5	0.0	.5	0.0
7	16.5	21.9	18.6	83.0	0.0	0.0	0.0	.6
8	16.6	24.6	19.4	82.0	.9	1.3	2.2	2.4
9	15.0	22.8	17.8	91.0	3.3	2.1	5.4	2.9
10	15.4	24.0	19.6	85.3	0.0	0.0	0.0	1.3
11	15.0	23.0	19.0	86.7	0.0	1.0	1.0	1.1
12	15.5	25.8	19.4	80.3	0.0	0.0	0.0	7.7
13	15.2	25.5	19.9	78.3	0.0	0.0	0.0	5.4
14	15.5	26.0	19.4	75.3	0.0	0.0	0.0	4.7
15	16.4	24.5	19.0	77.3	.2	.5	.7	2.0
16	16.0	23.1	19.1	86.3	0.0	.9	.9	.4
17	16.2	22.0	19.2	82.0	0.0	10.1	10.1	1.0
18	15.5	23.0	18.4	90.0	0.0	2.0	2.0	1.0
19	16.0	20.5	17.0	94.3	4.6	0.0	4.6	.7
20	15.5	25.5	19.6	78.0	0.0	0.0	0.0	6.9
21	14.8	25.0	19.6	76.3	.2	1.0	1.2	6.3
22	16.1	22.0	18.6	83.3	0.0	0.0	0.0	.4
23	15.2	25.5	19.6	77.3	0.0	3.3	3.3	4.2
24	16.4	23.5	18.8	83.0	0.0	0.0	0.0	3.4
25	15.0	23.0	18.9	73.0	0.0	.6	.6	1.7
26	15.5	25.0	19.7	74.0	0.0	0.0	0.0	4.9
27	15.2	25.2	20.4	66.7	0.0	3.2	3.2	4.3
28	16.5	25.0	19.9	76.3	0.0	0.0	0.0	3.8
29	16.5	24.8	20.3	74.3	0.0	2.0	2.0	2.3
30	17.0	21.0	18.0	90.3	1.9	0.0	1.9	.1
31	14.5	24.8	19.4	73.0	0.0	0.0	0.0	3.1
Total :					18.2	48.9	67.1	
Promedio :	15.8	23.7	19.1	81.5				84.0

Agosto	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	24.5	19.8	73.7	0.0	.6	.6	2.0
2	16.0	26.0	20.1	73.0	0.0	0.0	0.0	3.2
3	17.0	26.5	20.6	69.3	0.0	0.0	0.0	5.7
4	16.5	24.8	20.0	70.7	.5	.6	1.1	1.0
5	17.2	26.0	21.0	67.3	0.0	.1	.1	2.5
6	17.0	22.0	18.1	88.7	0.0	0.0	0.0	.7
7	16.4	24.5	19.8	70.3	0.0	0.0	0.0	7.6
8	16.0	24.5	19.2	79.7	0.0	0.0	0.0	1.8
9	14.0	26.5	20.8	70.0	.4	0.0	.4	5.8
10	16.5	24.5	19.6	78.3	0.0	4.4	4.4	1.3
11	15.5	25.4	19.6	73.3	0.0	0.0	0.0	4.3
12	15.8	23.4	17.8	86.0	3.3	0.0	3.3	1.5
13	15.0	25.4	20.0	71.3	0.0	0.0	0.0	2.3
14	15.8	26.0	21.5	65.3	0.0	0.0	0.0	6.1
15	17.0	22.0	18.6	86.3	9.8	0.0	9.8	1.1
16	14.0	23.2	19.7	74.3	0.0	0.0	0.0	2.9
17	15.8	24.7	19.4	76.7	.5	0.0	.5	3.7
18	15.6	26.4	20.4	67.7	0.0	0.0	0.0	5.6
19	15.5	24.5	20.1	77.7	0.0	1.6	1.6	7.9
20	16.3	23.0	19.4	84.3	0.0	0.0	0.0	1.9
21	16.0	23.5	20.1	77.0	0.0	.8	.8	.6
22	15.9	24.0	19.8	75.3	0.0	0.0	0.0	4.6
23	15.8	25.5	20.0	73.3	.6	0.0	.6	4.7
24	16.5	28.0	22.3	63.0	0.0	0.0	0.0	6.4
25	17.5	26.0	20.3	82.3	1.3	.1	1.4	3.3
26	18.0	24.0	20.4	78.7	0.0	0.0	0.0	0.0
27	17.5	24.8	20.0	72.7	0.0	0.0	0.0	3.5
28	15.1	27.0	21.0	68.3	0.0	0.0	0.0	8.5
29	15.0	26.8	20.2	69.7	0.0	.2	.2	5.2
30	17.0	25.0	19.6	72.7	0.0	0.0	0.0	2.6
31	16.0	23.3	20.0	73.7	0.0	0.0	0.0	.5
Total :					16.4	8.4	24.8	
Promedio :	16.1	24.9	20.0	74.5				108.8

Estación : GRANJA TIBACUY  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : TIBACUY

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.0	26.0	20.5	69.7	0.0	0.0	0.0	1.8
2	15.8	25.6	21.4	68.3	0.0	0.0	0.0	4.8
3	17.0	24.5	19.5	78.0	2.7	2.4	5.1	6.5
4	16.7	25.5	20.2	76.3	0.0	0.0	0.0	.3
5	15.8	25.3	20.4	77.3	0.0	0.0	0.0	3.4
6	15.0	27.0	20.9	69.7	0.0	0.0	0.0	5.7
7	15.5	27.2	21.5	65.0	0.0	0.0	0.0	6.3
8	16.0	22.5	18.6	87.7	4.3	0.0	4.3	.3
9	15.0	24.5	19.4	80.3	0.0	0.0	0.0	5.1
10	16.0	25.5	19.9	73.7	0.0	0.0	0.0	4.9
11	16.2	24.0	19.2	81.0	2.7	.1	2.8	3.0
12	14.8	25.0	18.6	79.3	21.5	0.0	21.5	3.0
13	14.9	25.5	20.5	70.3	.1	4.0	4.1	5.6
14	16.5	24.9	20.2	73.3	8.9	6.6	15.5	2.6
15	16.5	24.5	19.2	76.7	1.7	0.0	1.7	2.9
16	16.9	26.5	20.7	66.0	0.0	0.0	0.0	5.4
17	16.6	27.0	21.4	60.0	0.0	0.0	0.0	5.1
18	17.0	26.3	21.0	66.7	0.0	12.9	12.9	5.9
19	16.0	23.0	18.3	88.0	0.0	.3	.3	2.9
20	15.4	24.0	19.2	81.7	4.4	4.8	9.2	1.6
21	15.5	25.0	19.2	78.3	.4	0.0	.4	2.8
22	16.0	25.0	19.8	74.7	0.0	15.0	15.0	4.3
23	17.0	22.2	18.8	91.0	5.2	0.0	5.2	1.0
24	16.0	25.0	20.2	72.7	0.0	0.0	0.0	5.3
25	15.8	23.0	19.3	79.0	0.0	1.3	1.3	1.2
26	16.5	23.4	19.2	81.0	23.1	0.0	23.1	2.6
27	16.3	23.8	19.6	78.3	0.0	0.0	0.0	3.6
28	15.0	25.0	20.4	71.3	4.3	0.0	4.3	5.8
29	15.8	26.5	21.7	64.0	0.0	0.0	0.0	8.3
30	16.5	26.0	20.8	69.0	0.0	0.0	0.0	3.9
31								
Total :	—	—	—	—	79.3	47.4	126.7	115.9
Promedio :	16.0	25.0	20.0	74.9				
Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	26.5	19.9	78.7	.6	.5	6.6	3.7
2	16.0	24.0	19.7	77.7	0.0	0.0	0.0	4.5
3	15.5	26.0	20.8	68.7	0.0	0.0	0.0	5.1
4	17.0	25.7	21.0	71.0	0.0	47.8	47.8	5.0
5	15.5	25.0	20.3	79.7	0.0	16.5	16.5	6.8
6	17.0	24.0	19.3	84.0	2.2	0.0	2.2	3.3
7	16.0	22.8	19.2	90.0	.2	.3	.5	3.2
8	17.5	26.0	21.0	78.7	0.0	1.4	1.4	6.9
9	17.0	23.0	19.3	84.7	0.0	0.0	0.0	2.1
10	15.9	26.2	20.8	65.3	0.0	0.0	0.0	8.5
11	16.0	26.5	20.6	67.3	0.0	0.0	0.0	8.8
12	16.8	25.8	21.1	74.0	0.0	0.0	0.0	7.8
13	16.5	24.0	18.8	86.0	2.1	0.0	2.1	3.4
14	16.0	26.0	21.0	73.7	0.0	.4	.4	5.0
15	17.0	24.1	20.1	81.7	0.0	13.0	13.0	5.1
16	16.2	22.9	19.1	87.3	.9	0.0	.9	1.3
17	16.1	25.2	19.8	79.7	0.0	0.0	0.0	6.6
18	16.0	24.0	19.5	81.3	0.0	0.0	0.0	4.0
19	17.0	22.9	18.8	84.7	6.1	0.0	6.1	.1
20	16.0	23.9	19.8	73.0	0.0	0.0	0.0	4.4
21	16.2	24.0	20.0	74.3	5.0	3.9	8.9	4.3
22	16.0	23.9	19.7	84.7	0.0	0.0	0.0	5.6
23	16.1	25.2	21.0	78.0	0.0	22.7	22.7	3.7
24	15.8	22.2	18.7	86.3	0.0	9.5	9.5	3.0
25	15.0	22.3	19.4	86.0	0.0	.3	.3	3.0
26	14.8	24.8	20.0	76.0	0.0	0.0	0.0	9.0
27	16.0	24.2	20.1	74.0	0.0	2.1	2.1	5.3
28	16.1	24.0	19.5	85.0	.7	16.2	16.9	5.0
29	16.2	22.4	18.6	89.0	4.9	1.9	6.8	3.1
30	17.0	22.2	19.1	90.3	0.0	0.0	0.0	.5
31	15.8	23.2	18.5	78.7	0.0	0.0	0.0	1.5
Total :	—	—	—	—	28.2	136.5	164.7	139.6
Promedio :	16.2	24.3	19.8	79.7				

Estación : GRANJA TIBACUY  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : TIBACUY

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

Noviembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.0	25.0	19.9	76.7	0.0	0.0	0.0	8.0
2	15.1	25.2	20.8	69.0	0.0	0.0	0.0	9.2
3	15.0	24.0	20.1	74.3	0.0	0.0	0.0	5.0
4	16.8	22.4	18.6	85.0	0.0	.3	.3	2.4
5	15.0	23.2	19.3	83.7	4.9	5.6	10.5	2.3
6	15.7	20.0	17.0	88.3	0.0	0.0	0.0	.2
7	14.6	23.0	18.0	79.7	1.0	0.0	1.0	.9
8	13.5	23.2	19.3	75.0	.3	5.1	5.4	6.4
9	17.0	23.0	19.7	79.7	0.0	31.5	31.5	3.2
10	16.0	24.0	18.5	75.0	0.0	0.0	0.0	7.9
11	14.0	22.4	17.8	77.7	0.0	0.0	0.0	1.3
12	15.0	24.0	19.7	83.7	.1	.5	.6	5.7
13	16.0	21.0	17.8	83.3	0.0	.3	.3	.7
14	16.0	20.9	18.2	88.7	9.5	0.0	9.5	.4
15	15.2	24.0	18.6	82.3	.5	0.0	.5	2.7
16	15.1	24.2	20.0	71.0	0.0	0.0	0.0	2.1
17	14.8	24.0	19.7	71.7	0.0	0.0	0.0	3.5
18	15.2	25.0	19.4	77.0	.2	0.0	.2	4.7
19	14.8	24.0	19.8	72.0	0.0	0.0	0.0	6.8
20	15.0	23.9	18.4	81.0	.7	0.0	.7	3.2
21	14.9	23.0	19.0	81.3	0.0	2.0	2.0	3.2
22	15.0	20.0	17.2	88.3	12.6	0.0	12.6	.1
23	15.8	23.5	19.4	82.0	0.0	2.7	2.7	4.5
24	15.1	23.1	19.2	90.7	4.2	4.5	8.7	3.1
25	14.1	23.2	18.4	86.7	.5	4.8	5.3	2.9
26	16.8	20.4	18.4	90.0	4.5	0.0	4.5	.7
27	16.7	22.4	18.9	88.0	2.8	1.5	4.3	1.1
28	16.2	20.2	17.8	89.7	35.6	7.4	43.0	.4
29	16.0	21.8	18.0	87.3	10.0	3.7	13.7	2.8
30	14.4	24.0	18.4	84.7	1.5	1.5	3.0	4.9
31								
Total					88.9	71.4	160.3	100.3
Promedio	15.3	22.9	18.8	81.5				

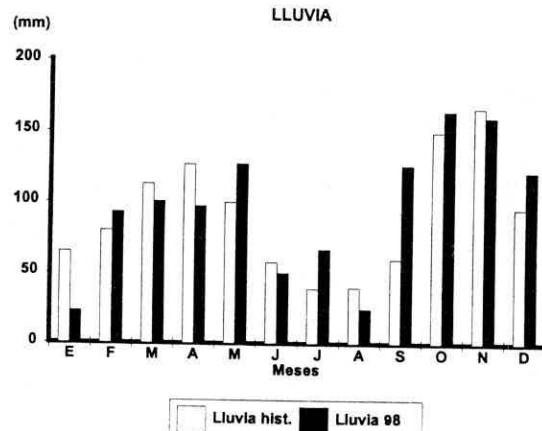
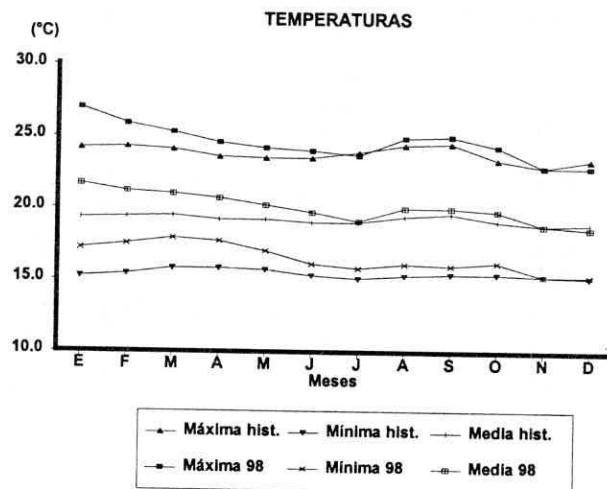
Diciembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	23.0	18.9	84.0	0.0	.9	.9	3.7
2	15.0	22.9	18.2	85.0	5.7	8.1	13.8	2.3
3	16.0	20.8	18.4	86.7	23.5	5.6	29.1	.4
4	15.1	21.4	17.8	86.0	.7	0.0	.7	.8
5	15.0	22.0	18.4	88.3	0.0	.6	.6	2.3
6	16.0	23.0	18.5	84.3	7.8	4.7	12.5	3.2
7	16.4	22.0	18.4	88.7	0.0	21.4	21.4	1.4
8	16.0	23.0	18.7	80.7	.2	9.7	9.9	3.5
9	14.8	22.4	18.2	85.0	4.2	.8	5.0	4.3
10	15.4	23.0	18.1	85.7	0.0	0.0	0.0	3.0
11	16.0	21.8	17.8	90.0	4.3	.2	4.5	1.5
12	15.0	21.0	18.5	82.7	0.0	0.0	0.0	1.3
13	15.0	24.8	19.0	75.3	0.0	0.0	0.0	3.8
14	15.5	24.2	20.0	72.7	0.0	0.0	0.0	4.0
15	16.2	23.0	18.7	81.0	.6	0.0	.6	4.8
16	16.0	24.7	19.2	75.3	0.0	0.0	0.0	2.3
17	15.0	23.4	18.7	75.0	0.0	0.0	0.0	2.0
18	14.0	24.0	18.6	82.3	0.0	0.0	0.0	7.5
19	15.1	23.2	18.8	79.7	0.0	0.0	0.0	6.4
20	14.2	24.4	19.2	70.3	0.0	0.0	0.0	7.4
21	15.0	25.0	19.7	79.0	0.0	0.0	0.0	7.6
22	15.0	24.0	19.5	77.7	0.0	0.0	0.0	6.9
23	14.0	24.2	20.1	70.3	0.0	15.1	15.1	8.2
24	14.8	22.1	17.4	80.7	0.0	0.0	0.0	3.8
25	15.8	20.0	16.8	91.7	.3	0.0	.3	.4
26	15.0	23.0	18.0	78.7	7.4	0.0	7.4	3.2
27	15.0	22.8	18.3	83.7	0.0	0.0	0.0	6.8
28	15.2	24.0	18.8	76.3	0.0	0.0	0.0	6.8
29	15.0	22.1	19.2	84.7	0.0	0.0	0.0	3.5
30	15.8	23.0	19.2	86.0	.1	.3	.4	3.6
31	15.2	22.9	18.6	74.7	0.0	0.0	0.0	2.2
Total					54.8	67.4	122.2	118.9
Promedio	15.3	22.9	18.6	81.4				

Estación : GRANJA TIBACUY  
Año : 1998

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.	Días Lluvia	Brillo Sol. (h)
Enero	17.2	27.0	21.7	28.8	14.3	74.9	23.0	8	174.3
Febrero	17.5	25.9	21.2	29.5	15.0	80.6	93.0	13	139.6
Marzo	17.9	25.3	21.0	27.5	16.5	84.3	100.6	13	97.5
Abril	17.7	24.6	20.7	27.0	16.7	86.1	97.3	13	80.7
Mayo	17.0	24.2	20.2	28.0	15.5	86.9	127.5	20	80.4
Junio	16.1	24.0	19.7	26.3	13.9	83.5	50.1	17	100.4
Julio	15.8	23.7	19.1	26.0	14.5	81.5	67.1	19	84.0
Agosto	16.1	24.9	20.0	28.0	14.0	74.5	24.8	13	108.8
Septiembre	16.0	25.0	20.0	27.2	14.8	74.9	126.7	16	115.9
Octubre	16.2	24.3	19.8	26.5	14.8	79.7	164.7	18	139.6
Noviembre	15.3	22.9	18.8	25.2	13.5	81.4	160.3	21	100.3
Diciembre	15.3	22.9	18.6	25.0	14.0	81.4	122.2	15	118.9
Promedio :	16.5	24.6	20.1			80.8			
Absoluta :				29.5	13.5				
Total :							1157.3	186	1340.4



Estación : JORGE VILLAMIL  
Año : 1998

Dpto. : HUILA  
Mpio. : GIGANTE

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	28.1	21.2	67.7	3.0	0.0	3.0	5.2
2	15.5	28.8	21.6	55.7	0.0	0.0	0.0	9.1
3	15.5	24.0	20.4	61.3	0.0	0.0	0.0	.4
4	18.5	25.0	21.3	64.0	0.0	0.0	0.0	.2
5	18.6	26.9	22.4	56.7	0.0	0.0	0.0	1.9
6	19.0	26.4	21.2	76.3	1.3	0.0	1.3	1.2
7	17.4	29.2	22.5	67.7	0.0	6.2	6.2	7.1
8	18.0	24.0	19.5	88.3	0.0	0.0	0.0	2.6
9	18.2	27.6	21.6	69.0	0.0	0.0	0.0	2.8
10	16.4	25.0	20.8	72.3	.9	0.0	.9	1.9
11	18.0	27.9	22.3	64.7	0.0	0.0	0.0	3.9
12	19.0	27.4	21.3	68.3	.6	0.0	.6	1.3
13	18.8	28.6	22.3	60.0	0.0	0.0	0.0	3.8
14	18.0	29.0	22.8	58.3	0.0	0.0	0.0	2.4
15	18.0	30.2	22.5	59.7	0.0	0.0	0.0	4.9
16	16.8	29.0	22.8	55.7	0.0	0.0	0.0	2.9
17	18.5	27.9	22.8	63.0	0.0	0.0	0.0	2.1
18	19.0	28.0	22.2	67.0	0.0	0.0	0.0	2.5
19	18.4	30.8	24.0	58.3	0.0	0.0	0.0	4.1
20	17.8	29.0	23.4	61.7	0.0	0.0	0.0	3.1
21	17.8	29.0	22.2	67.7	0.0	.5	.5	2.7
22	18.8	29.3	23.6	62.0	0.0	0.0	0.0	3.2
23	18.0	31.9	23.6	56.0	0.0	0.0	0.0	7.6
24	17.4	31.2	24.2	53.0	0.0	0.0	0.0	8.5
25	17.0	29.0	23.0	62.7	0.0	0.0	0.0	4.6
26	17.4	28.8	22.6	59.0	0.0	0.0	0.0	4.0
27	17.9	28.2	23.2	58.0	0.0	0.0	0.0	1.8
28	18.6	27.0	22.8	68.3	2.3	2.3	4.6	1.5
29	19.0	26.0	22.0	75.3	.7	0.0	.7	1.1
30	18.0	30.2	23.7	55.0	0.0	0.0	0.0	4.7
31	17.5	31.0	23.9	56.3	0.0	0.0	0.0	6.7
Total :	17.9	28.2	22.4	63.5	8.8	9.0	17.8	109.8
Promedio :								
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	20.0	29.2	24.0	60.0	0.0	1.6	1.6	3.3
2	18.6	28.0	21.6	75.0	0.0	0.0	0.0	3.0
3	20.0	30.8	24.0	54.0	0.0	0.0	0.0	2.7
4	18.2	31.3	24.1	55.7	0.0	0.0	0.0	5.7
5	17.8	30.0	22.0	66.0	.5	0.0	.5	1.8
6	17.0	30.0	23.2	61.0	0.0	0.0	0.0	3.8
7	20.0	28.5	23.3	63.3	0.0	0.0	0.0	.7
8	18.0	27.6	21.5	79.3	0.0	32.1	32.1	3.7
9	16.0	22.2	19.1	84.7	10.1	.7	10.8	.9
10	16.5	18.8	18.0	91.3	.2	0.0	.2	0.0
11	17.0	23.1	19.6	88.0	4.2	.3	4.5	.4
12	17.5	25.6	21.8	71.3	1.3	0.0	1.3	2.6
13	17.0	25.2	22.0	68.0	0.0	0.0	0.0	1.7
14	17.5	25.8	19.2	84.3	6.5	0.0	6.5	.7
15	17.2	26.8	20.0	76.0	12.0	.1	12.1	1.2
16	16.5	26.9	20.8	67.7	0.0	0.0	0.0	3.7
17	16.0	30.1	23.8	54.3	0.0	0.0	0.0	8.8
18	18.0	29.7	23.2	61.3	0.0	0.0	0.0	5.6
19	18.3	29.0	23.0	66.3	0.0	0.0	0.0	5.6
20	18.2	24.8	21.4	80.7	0.0	0.0	0.0	1.0
21	17.0	29.1	22.8	62.7	.2	0.0	.2	6.0
22	17.0	29.4	24.2	55.7	0.0	0.0	0.0	7.3
23	19.2	29.5	24.0	57.3	0.0	0.0	0.0	5.0
24	18.9	26.4	22.2	77.3	.8	0.0	.8	1.4
25	17.9	27.0	21.2	76.0	0.0	0.0	0.0	1.3
26	17.0	29.6	22.2	66.0	0.0	0.0	0.0	6.8
27	18.0	29.0	23.1	66.0	0.0	0.0	0.0	3.9
28	18.4	27.4	22.2	73.0	0.0	0.0	0.0	2.4
29								
30								
31								
Total :	—	—	—	—	35.8	34.8	70.6	91.0
Promedio :	17.8	27.5	22.1	69.4				

Estación : JORGE VILLAMIL  
Año : 1998

Dpto. : HUILA  
Mpio. : GIGANTE

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	27.0	21.5	75.0	0.0	0.0	0.0	3.0
2	19.2	27.0	21.6	75.7	.1	0.0	.1	1.2
3	17.8	28.0	21.1	75.7	0.0	.1	.1	3.2
4	18.0	26.8	21.6	70.3	.3	1.2	1.5	2.0
5	17.8	26.0	21.3	73.0	1.4	9.6	11.0	2.9
6	17.0	28.0	21.8	71.3	.3	.5	.8	4.2
7	18.8	25.0	19.9	84.3	2.4	0.0	2.4	2.2
8	18.2	22.6	19.8	83.3	4.5	0.0	4.5	.5
9	17.8	28.0	22.8	65.0	0.0	0.0	0.0	4.1
10	17.6	29.1	22.3	67.3	0.0	0.0	0.0	5.2
11	18.6	25.2	20.8	83.3	0.0	0.0	0.0	.6
12	18.4	25.0	20.7	85.3	8.5	0.0	8.5	2.5
13	17.8	27.6	22.1	70.3	0.0	0.0	0.0	3.4
14	16.2	29.2	22.7	57.3	0.0	0.0	0.0	8.7
15	17.0	27.2	22.1	69.0	0.0	0.0	0.0	1.9
16	17.8	27.2	21.5	76.0	0.0	0.0	0.0	1.2
17	19.0	27.3	21.9	72.3	0.0	0.0	0.0	1.2
18	18.6	28.0	21.6	71.7	0.0	0.0	0.0	3.6
19	18.0	28.2	22.8	65.0	0.0	0.0	0.0	3.4
20	19.0	23.6	20.7	77.3	1.0	0.0	1.0	0.0
21	17.4	24.4	20.5	71.0	0.0	0.0	0.0	.2
22	17.6	30.1	23.2	61.3	0.0	.2	.2	6.2
23	18.8	26.2	22.3	71.7	.4	0.0	.4	2.5
24	18.0	22.8	19.5	93.7	46.8	2.3	49.1	1.4
25	17.2	25.0	21.2	76.7	0.0	0.0	0.0	.4
26	18.8	24.0	20.9	75.7	.4	0.0	.4	0.0
27	18.0	29.8	23.7	54.7	0.0	0.0	0.0	2.2
28	19.2	23.8	20.6	88.7	34.5	34.3	68.8	.4
29	17.5	26.2	21.0	78.3	.2	0.0	.2	2.3
30	19.0	24.2	21.2	84.7	2.9	5.6	8.5	.3
31	18.4	24.8	20.6	86.7	.4	.6	1.0	2.2
Total :				74.6	104.1	54.4	158.5	73.1
Promedio :	18.1	26.4	21.5					

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.6	25.0	20.6	83.0	1.8	0.0	1.8	.7
2	17.8	27.8	22.4	71.3	0.0	1.8	1.8	.9
3	18.0	24.6	21.2	84.7	3.0	2.2	5.2	.9
4	17.0	28.0	20.6	81.3	5.0	0.0	5.0	4.2
5	17.2	29.4	23.0	69.3	.3	0.0	.3	6.2
6	17.5	26.0	21.8	69.0	.1	0.0	.1	2.0
7	17.6	27.0	21.9	80.0	.6	6.4	7.0	4.3
8	17.0	25.5	20.6	73.0	.1	0.0	.1	3.2
9	18.2	24.6	19.3	86.7	5.2	0.0	5.2	.5
10	16.9	27.4	22.1	61.0	0.0	0.0	0.0	3.7
11	17.9	27.1	21.3	71.3	0.0	0.0	0.0	1.4
12	17.0	26.8	21.8	76.0	.2	0.0	.2	5.1
13	18.0	23.0	19.8	88.0	2.8	0.0	2.8	.6
14	16.4	26.2	20.2	84.7	1.2	0.0	1.2	4.0
15	17.4	27.8	21.6	73.7	.5	0.0	.5	2.9
16	17.0	29.0	22.8	70.7	0.0	0.0	0.0	6.0
17	18.0	27.0	21.8	79.3	.9	0.0	.9	2.2
18	18.8	29.4	23.6	70.3	.1	1.3	1.4	2.2
19	18.6	24.4	20.2	83.7	5.5	0.0	5.5	.4
20	17.0	27.5	20.6	84.0	1.8	0.0	1.8	3.5
21	18.4	27.0	20.8	78.3	3.5	0.0	3.5	2.9
22	17.2	27.0	20.8	79.3	3.6	0.0	3.6	1.9
23	18.0	21.6	19.4	87.7	2.0	0.0	2.0	0.0
24	17.6	26.2	21.2	70.0	3.4	0.0	3.4	1.8
25	18.1	27.4	22.0	77.0	.5	0.0	.5	5.0
26	17.8	23.2	20.0	85.7	1.0	.1	1.1	0.0
27	17.6	28.8	21.9	71.3	.8	0.0	.8	5.0
28	17.2	29.0	22.4	72.7	0.0	0.0	0.0	3.9
29	18.0	25.0	21.0	79.7	9.8	0.0	9.8	2.3
30	18.1	27.0	22.2	73.0	.4	0.0	.4	3.5
31								
Total :				77.2	54.1	11.8	65.9	81.2
Promedio :	17.7	26.5	21.3					

Estación : JORGE VILLAMIL  
Año : 1998

Dpto. : HUILA  
Mpio. : GIGANTE

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

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.9	27.6	22.4	72.7	.3	2.1	2.4	2.9
2	17.0	23.6	19.7	82.7	1.5	.2	1.7	.1
3	18.0	25.5	19.4	90.0	50.4	10.3	60.7	1.7
4	17.8	21.8	19.9	90.7	1.6	.3	1.9	0.0
5	18.0	26.4	21.2	79.7	.4	10.3	10.7	4.6
6	16.9	20.0	18.7	85.7	1.0	0.0	1.0	0.0
7	15.4	26.6	21.2	65.3	0.0	0.0	0.0	1.6
8	16.0	27.8	22.0	65.3	0.0	0.0	0.0	5.4
9	17.8	24.6	19.7	84.7	14.9	0.0	14.9	2.7
10	16.2	26.2	21.0	73.0	.2	2.5	2.7	3.8
11	17.8	26.1	21.8	67.0	0.0	0.0	0.0	1.2
12	17.2	24.1	18.8	86.7	4.5	0.0	4.5	2.6
13	16.0	27.0	21.6	70.0	0.0	2.5	2.5	5.6
14	17.0	28.0	22.1	71.0	0.0	1.8	1.8	5.6
15	17.8	23.4	19.8	80.7	2.1	0.0	2.1	.1
16	17.6	25.0	20.8	75.3	.4	0.0	.4	1.7
17	17.0	25.1	20.2	81.0	1.2	0.0	1.2	2.3
18	16.5	24.9	19.4	68.0	0.0	0.0	0.0	5.2
19	17.0	25.1	21.2	54.0	0.0	0.0	0.0	2.3
20	15.2	29.1	22.2	52.7	0.0	0.0	0.0	3.7
21	18.2	27.2	21.9	59.0	0.0	0.0	0.0	1.9
22	17.4	26.6	21.0	66.0	0.0	.1	.1	2.7
23	17.8	24.6	20.8	69.7	.1	0.0	.1	1.0
24	18.8	25.4	21.0	70.0	0.0	0.0	0.0	1.2
25	18.2	26.8	21.5	72.3	.8	0.0	.8	1.3
26	18.0	25.0	20.4	82.7	4.0	0.0	4.0	1.9
27	17.8	27.0	20.8	76.3	3.3	0.0	3.3	4.0
28	17.0	20.0	18.4	94.3	25.1	3.3	28.4	.1
29	15.0	23.4	18.5	89.0	1.8	5.4	7.2	1.0
30	16.6	24.0	19.7	84.7	2.9	1.7	4.6	1.4
31	16.0	28.4	21.8	68.3	.9	10.9	11.8	3.6
Total :					117.4	51.4	168.8	
Promedio :	17.1	25.4	20.6	75.1			73.2	

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.6	25.0	19.1	89.0	4.2	0.0	4.2	1.5
2	17.0	24.6	19.2	84.0	4.9	6.4	11.3	3.3
3	16.4	22.6	18.6	89.7	6.0	13.7	19.7	1.3
4	16.8	21.8	18.4	85.7	5.8	.2	6.0	.5
5	15.8	22.4	18.5	83.3	.3	0.0	.3	1.7
6	16.2	24.0	19.4	73.3	.8	0.0	.8	4.1
7	16.8	24.8	20.5	72.0	0.0	0.0	0.0	2.3
8	18.0	25.0	20.0	83.3	.5	1.3	1.8	.8
9	17.4	27.8	20.9	71.7	4.1	.5	4.6	6.0
10	17.6	28.6	22.4	64.7	0.0	0.0	0.0	6.8
11	17.2	26.2	21.4	74.3	1.9	6.2	8.1	3.8
12	17.6	26.8	19.5	79.3	5.2	.3	5.5	3.2
13	16.6	26.0	20.2	71.0	.2	0.0	.2	3.0
14	17.2	24.9	20.2	79.0	0.0	4.4	4.4	2.2
15	16.0	21.0	17.5	84.0	4.1	0.0	4.1	.1
16	16.2	25.8	19.8	69.3	0.0	0.0	0.0	2.1
17	15.8	25.8	19.9	68.3	0.0	0.0	0.0	2.3
18	16.4	27.2	20.4	70.7	1.9	.1	2.0	3.1
19	16.0	25.2	20.3	71.3	.4	0.0	.4	4.0
20	17.2	25.0	19.3	77.3	5.1	.2	5.3	2.1
21	16.2	25.5	19.3	79.3	1.1	0.0	1.1	2.8
22	16.8	24.0	18.4	80.3	.1	7.2	7.3	1.0
23	16.0	24.4	18.7	81.0	0.0	0.0	0.0	1.9
24	17.0	26.8	20.7	65.3	.2	0.0	.2	5.5
25	16.6	27.8	22.0	62.3	0.0	.6	.6	5.5
26	17.6	25.2	20.6	79.3	0.0	7.2	7.2	1.8
27	16.0	24.0	19.2	71.3	.1	0.0	.1	.9
28	15.2	22.0	17.8	77.0	.8	0.0	.8	0.0
29	14.6	24.0	18.9	76.3	.6	0.0	.6	3.3
30	15.6	28.0	20.2	62.7	0.0	0.0	0.0	7.6
Total :					48.3	48.3	96.6	
Promedio :	16.6	25.1	19.7	75.9			84.5	

Estación : JORGE VILLAMIL  
Año : 1998

Dpto. : HUILA  
Mpio. : GIGANTE

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

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.4	25.0	19.8	74.3	0.0	0.0	0.0	3.0
2	16.6	23.4	19.4	77.7	.4	.3	.7	1.5
3	17.0	24.0	19.6	79.3	.4	1.0	1.4	1.2
4	16.4	26.8	21.1	68.3	0.0	5.4	5.4	1.3
5	16.0	22.0	18.4	80.3	.9	6.2	7.1	.9
6	15.8	24.0	18.8	80.0	2.0	0.0	2.0	2.0
7	16.0	23.9	19.7	68.0	0.0	0.0	0.0	.3
8	16.1	26.8	21.1	61.7	0.0	7.1	7.1	3.8
9	16.4	24.1	19.6	81.7	0.0	.1	.1	1.2
10	17.0	24.0	18.8	81.7	.8	0.0	.8	1.3
11	16.4	24.9	19.5	78.3	0.0	.6	.6	.6
12	16.4	22.2	17.5	91.3	5.4	1.0	6.4	.3
13	15.6	25.6	18.6	72.7	0.0	0.0	0.0	6.3
14	14.4	25.2	19.6	67.0	0.0	0.0	0.0	.5
15	15.0	24.0	19.6	71.3	0.0	.7	.7	2.4
16	16.2	22.0	18.2	83.7	7.9	4.1	12.0	.2
17	15.8	24.4	19.1	80.3	1.3	.6	1.9	2.9
18	16.6	22.4	18.1	85.3	11.1	10.7	21.8	.8
19	15.8	23.4	19.3	87.7	1.8	1.0	2.8	2.7
20	16.6	24.8	20.0	78.7	.1	0.0	.1	3.7
21	16.2	26.0	19.4	72.0	1.3	1.0	2.3	3.8
22	16.0	20.0	17.8	86.3	1.4	1.2	2.6	0.0
23	15.8	24.2	18.8	79.0	1.3	0.0	1.3	1.6
24	16.2	23.4	18.4	80.7	3.1	1.9	5.0	3.0
25	15.0	23.0	18.8	79.0	0.0	1.1	1.1	1.7
26	16.0	24.8	19.4	74.7	.5	0.0	.5	2.3
27	15.0	26.2	20.2	66.7	0.0	0.0	0.0	3.9
28	15.2	24.2	19.2	71.3	1.6	0.0	1.6	1.4
29	16.6	24.4	19.0	77.3	6.8	.4	7.2	1.8
30	15.2	23.8	18.4	69.7	0.0	0.0	0.0	2.7
31	15.4	25.4	20.2	63.0	0.0	0.0	0.0	3.6
Total :					48.1	44.4	92.5	62.7
Promedio :	15.9	24.1	19.2	76.4				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	26.0	20.2	66.3	0.0	0.0	0.0	2.0
2	15.8	26.0	21.0	68.0	0.0	0.0	0.0	2.1
3	16.6	27.0	21.3	66.3	.1	.1	.2	4.5
4	16.2	23.0	18.6	83.0	3.0	0.0	3.0	.4
5	16.8	27.0	21.0	71.0	.2	5.1	5.3	4.7
6	16.8	21.2	18.4	90.0	12.8	1.9	14.7	.3
7	16.0	24.4	19.7	72.7	.1	0.0	.1	1.2
8	16.2	25.6	18.6	84.0	31.1	0.0	31.1	5.2
9	14.8	29.0	22.1	62.7	0.0	0.0	0.0	8.1
10	16.7	26.2	19.8	71.7	2.0	5.7	7.7	4.8
11	16.2	26.6	19.3	76.0	1.3	0.0	1.3	6.3
12	14.8	24.8	18.4	71.3	6.7	0.0	6.7	1.2
13	15.0	23.9	19.3	70.0	.1	0.0	.1	.4
14	15.8	29.0	21.4	62.7	.1	0.0	.1	4.8
15	15.9	23.4	19.7	71.7	2.3	0.0	2.3	1.3
16	15.8	25.0	19.5	69.3	.4	0.0	.4	1.3
17	15.9	26.4	20.8	64.3	0.0	0.0	0.0	3.2
18	17.2	29.2	22.3	61.0	.2	0.0	.2	7.1
19	15.8	24.6	19.6	86.0	1.1	0.0	1.1	1.7
20	17.2	26.8	20.3	70.0	2.5	0.0	2.5	7.3
21	17.1	26.8	20.9	74.3	.2	0.0	.2	3.1
22	16.8	25.8	19.4	76.3	.7	.2	.9	.7
23	16.0	27.0	21.0	62.0	0.0	0.0	0.0	4.1
24	16.9	30.4	22.6	60.7	0.0	0.0	0.0	6.1
25	16.8	27.0	21.2	68.7	1.7	0.0	1.7	2.3
26	17.8	25.6	19.9	83.0	1.2	.3	1.5	2.0
27	15.9	27.0	19.6	77.3	5.4	0.0	5.4	4.2
28	15.8	24.6	19.8	73.3	.3	0.0	.3	1.4
29	15.8	27.2	20.8	63.0	0.0	15.2	15.2	4.5
30	16.4	21.0	18.1	86.3	3.3	.7	4.0	.6
31	15.9	22.5	18.1	82.7	0.0	0.0	0.0	.4
Total :					76.8	29.2	106.0	97.3
Promedio :	16.2	25.8	20.1	72.4				

Estación : JORGE VILLAMIL  
Año : 1998

Dpto. : HUILA  
Mpio. : GIGANTE

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.9	25.8	20.1	55.3	0.0	0.0	0.0	.2
2	14.9	25.8	20.8	55.7	0.0	0.0	0.0	.4
3	16.7	22.4	19.1	80.0	.6	0.0	.6	0.0
4	17.0	27.4	20.6	67.7	.3	0.0	.3	1.4
5	16.8	27.0	20.7	63.0	.3	0.0	.3	2.4
6	15.8	28.9	23.0	51.3	0.0	0.0	0.0	8.5
7	16.8	29.7	23.2	59.7	0.0	4.3	4.3	7.3
8	17.8	24.4	19.8	76.7	2.1	0.0	2.1	.9
9	16.8	26.0	20.4	79.7	.5	1.1	1.6	2.1
10	17.0	26.8	19.2	81.3	11.6	.8	12.4	5.3
11	15.4	27.0	20.5	59.7	.6	0.0	.6	4.5
12	17.0	23.2	18.9	88.3	.7	0.0	.7	1.1
13	16.8	25.0	19.2	78.0	2.6	0.0	2.6	.8
14	16.9	25.0	21.3	60.0	.2	0.0	.2	.2
15	15.9	23.0	19.4	66.3	0.0	0.0	0.0	1.2
16	16.8	30.0	22.4	46.0	0.0	0.0	0.0	5.9
17	15.9	30.2	23.2	50.7	0.0	0.0	0.0	7.5
18	16.2	29.0	21.2	71.0	3.2	.8	4.0	4.2
19	17.1	22.6	18.4	88.0	6.5	0.0	6.5	1.3
20	15.8	26.4	20.6	65.0	0.0	12.0	12.0	1.5
21	16.5	25.0	18.2	87.7	0.0	0.0	0.0	2.2
22	15.4	23.4	18.8	80.7	4.0	0.0	4.0	.9
23	15.2	26.0	20.2	66.3	0.0	0.0	0.0	2.5
24	14.8	25.8	20.2	64.3	0.0	0.0	0.0	4.4
25	15.9	27.2	20.4	63.7	.4	.7	1.1	3.4
26	16.8	25.4	21.3	64.3	.7	0.0	.7	1.9
27	15.9	28.0	21.7	62.7	.7	0.0	.7	5.2
28	15.8	29.2	20.6	71.3	3.4	0.0	3.4	7.3
29	16.8	28.8	22.3	56.0	0.0	3.2	3.2	7.5
30	16.9	25.3	19.4	80.0	2.3	0.0	2.3	1.9
31								
Total :					40.7	22.9	63.6	93.9
Promedio :	16.3	26.3	20.5	68.0				

Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.9	23.3	19.0	77.0	.6	.1	.7	.7
2	16.4	25.8	20.3	68.7	0.0	0.0	0.0	3.1
3	16.0	28.5	21.2	61.0	.5	0.0	.5	5.9
4	15.0	30.2	23.1	56.0	0.0	0.0	0.0	7.6
5	18.9	24.8	20.4	79.0	1.3	0.0	1.3	.7
6	16.9	28.0	21.3	72.0	.4	0.0	.4	2.6
7	17.9	25.8	20.0	86.0	5.0	2.1	7.1	1.5
8	16.8	26.8	21.0	76.0	1.7	.4	2.1	2.5
9	16.6	24.8	20.5	76.0	0.0	0.0	0.0	.5
10	16.5	29.0	21.8	57.0	0.0	0.0	0.0	7.6
11	16.9	30.2	22.6	58.7	0.0	0.0	0.0	5.7
12	16.8	29.6	21.2	57.7	0.0	0.0	0.0	4.4
13	16.2	27.6	21.7	67.7	0.0	0.0	0.0	7.1
14	18.4	25.6	20.8	72.3	1.0	2.5	3.5	1.9
15	16.0	28.0	20.8	72.7	1.3	5.2	6.5	4.3
16	16.0	25.8	20.0	77.0	.5	0.0	.5	3.2
17	17.0	27.8	21.0	75.7	8.3	.1	8.4	3.7
18	17.2	24.8	19.7	79.7	7.5	0.0	7.5	1.0
19	17.8	23.6	19.4	75.3	5.4	0.0	5.4	0.0
20	16.2	27.0	20.6	71.0	7.9	0.0	7.9	5.7
21	16.2	27.0	20.4	75.0	1.7	7.9	9.6	4.7
22	16.0	25.8	20.0	75.3	.7	0.0	.7	3.1
23	17.0	26.0	20.0	78.3	1.7	0.0	1.7	2.4
24	17.6	24.6	19.7	83.0	2.6	37.5	40.1	2.8
25	15.7	24.0	19.4	82.0	14.4	25.4	39.8	.3
26	16.1	25.4	20.7	77.7	.2	0.0	.2	2.3
27	17.0	26.4	20.5	82.3	.3	23.5	23.8	3.2
28	17.0	23.6	19.0	86.3	.7	0.0	.7	1.7
29	16.4	23.2	19.6	80.7	11.2	6.4	17.6	1.5
30	17.0	24.8	19.6	79.3	4.7	0.0	4.7	1.5
31	16.4	26.0	20.7	73.7	.9	0.0	.9	1.9
Total :					80.5	111.1	191.6	95.1
Promedio :	16.7	26.3	20.5	73.9				

Estación : JORGE VILLAMIL  
Año : 1998

Dpto. : HUILA  
Mpio. : GIGANTE

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

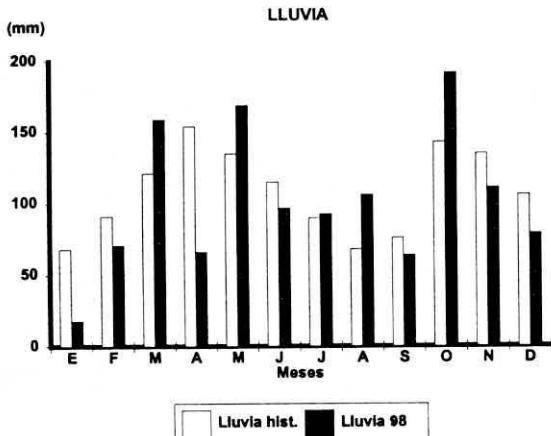
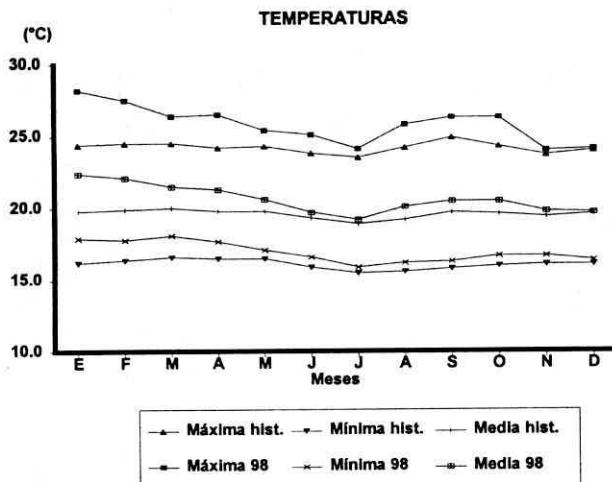
Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	27.0	21.5	64.3	0.0	0.0	0.0	4.9
2	17.0	26.4	22.0	71.0	0.0	0.0	0.0	5.4
3	17.4	24.8	20.0	84.7	2.5	.3	2.8	.9
4	17.6	25.0	20.0	83.0	.6	19.6	20.2	1.0
5	17.0	24.2	19.4	84.0	3.2	1.0	4.2	2.4
6	16.8	18.6	17.5	91.0	13.5	0.0	13.5	0.0
7	15.6	26.0	20.2	68.7	.2	0.0	.2	2.2
8	15.8	23.4	19.5	81.7	.6	0.0	.6	2.0
9	16.5	23.2	19.7	80.7	.4	0.0	.4	1.4
10	16.2	25.4	19.6	76.7	6.8	0.0	6.8	1.6
11	16.0	25.0	20.2	72.7	0.0	.8	.8	6.2
12	17.0	25.0	19.2	83.3	4.8	4.4	9.2	.9
13	16.8	22.8	19.2	87.0	2.2	1.6	3.8	2.4
14	16.0	23.6	19.2	78.3	6.2	0.0	6.2	.9
15	17.0	25.8	20.0	77.7	4.3	.5	4.8	2.0
16	17.4	25.4	21.9	65.3	0.0	0.0	0.0	3.2
17	16.6	24.2	20.3	75.0	1.4	0.0	1.4	1.4
18	17.8	25.6	20.9	66.7	0.0	0.0	0.0	2.4
19	16.0	25.0	21.2	69.0	0.0	0.0	0.0	3.3
20	17.2	23.2	20.2	85.7	8.8	1.1	9.9	2.3
21	17.4	24.0	19.4	85.0	11.5	.9	12.4	1.1
22	17.0	19.0	17.6	93.0	8.0	1.0	9.0	0.0
23	16.4	21.4	19.0	86.0	0.0	.1	.1	.5
24	16.2	23.2	19.6	84.7	0.0	0.0	0.0	3.5
25	17.6	24.6	20.0	69.7	0.0	0.0	0.0	4.1
26	17.0	23.4	19.5	78.0	0.0	0.0	0.0	1.5
27	17.0	24.0	19.9	81.3	0.0	1.2	1.2	3.7
28	17.2	22.6	18.8	88.7	0.0	3.4	3.4	4.3
29	16.0	23.4	18.8	81.0	0.0	0.0	0.0	4.6
30	16.0	25.0	20.0	74.0	0.0	0.0	0.0	6.9
Total :	—	—	—	—	75.0	35.9	110.9	77.0
Promedio :	16.7	24.0	19.8	78.9				
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.6	23.2	19.2	79.3	0.0	.4	.4	1.8
2	17.0	23.6	19.7	80.0	0.0	0.0	0.0	5.4
3	15.8	22.9	18.8	86.7	0.0	0.0	0.0	.7
4	17.0	21.2	18.2	86.7	4.6	0.0	4.6	.1
5	15.8	25.0	19.3	79.7	.1	0.0	.1	1.2
6	15.9	23.0	20.0	84.0	0.0	0.0	0.0	2.2
7	16.4	21.8	19.3	87.3	2.6	0.0	2.6	.6
8	15.9	24.2	19.9	78.3	0.0	0.0	0.0	4.9
9	16.8	22.0	19.4	84.0	.9	.1	1.0	.7
10	16.7	23.0	18.6	90.3	6.1	.3	6.4	1.3
11	16.4	23.4	20.1	81.3	0.0	22.4	22.4	3.1
12	16.0	21.8	18.4	89.3	1.6	.8	2.4	.4
13	17.0	24.2	19.8	82.7	.1	0.0	.1	1.2
14	17.6	27.0	21.4	64.3	0.0	.8	.8	2.1
15	17.4	24.8	19.4	76.7	0.0	0.0	0.0	2.0
16	17.8	24.0	19.9	66.3	0.0	0.0	0.0	.4
17	17.4	24.2	20.0	75.0	0.0	.5	.5	1.2
18	16.4	22.0	18.8	86.0	17.7	0.0	17.7	1.2
19	15.0	25.2	19.0	76.7	3.1	0.0	3.1	2.9
20	15.0	26.0	20.6	72.7	0.0	0.0	0.0	6.4
21	17.0	24.2	20.3	80.3	0.0	0.0	0.0	6.1
22	17.8	25.0	20.3	75.3	0.0	0.0	0.0	8.1
23	16.5	23.8	19.5	77.7	0.0	0.0	0.0	2.2
24	16.2	26.8	20.6	65.7	0.0	0.0	0.0	5.1
25	17.0	24.2	19.8	80.3	.9	0.0	.9	1.1
26	15.8	26.2	19.8	65.7	0.0	0.0	0.0	3.6
27	15.4	26.8	20.8	70.0	0.0	0.0	0.0	5.9
28	16.5	26.5	20.4	72.0	0.0	7.0	7.0	6.8
29	16.9	24.2	19.5	86.7	1.0	0.0	1.0	1.1
30	15.8	22.8	19.9	87.0	7.9	0.0	7.9	3.2
31	15.9	24.0	20.2	80.7	0.0	0.0	0.0	2.4
Total :	—	—	—	—	46.6	32.3	78.9	85.4
Promedio :	16.4	24.1	19.7	79.0				

Estación : JORGE VILLAMIL  
Año : 1998

Dpto. : HUILA  
Mpio. : GIGANTE

Latitud : 2 ° 20'N  
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	17.9	28.2	22.4	31.9	15.5	63.5	17.8	8	109.8
Febrero	17.8	27.5	22.1	31.3	16.0	69.4	70.6	11	91.0
Marzo	18.1	26.4	21.5	30.1	16.2	74.6	158.5	17	73.1
Abril	17.7	26.5	21.3	29.4	16.4	77.2	65.9	26	81.2
Mayo	17.1	25.4	20.6	29.1	15.0	75.1	168.8	23	73.2
Junio	16.6	25.1	19.7	28.6	14.6	75.9	96.6	24	84.5
Julio	15.9	24.1	19.2	26.8	14.4	76.4	92.5	24	62.7
Agosto	16.2	25.8	20.1	30.4	14.8	72.4	106.0	24	97.3
Septiembre	16.3	26.3	20.5	30.2	14.8	68.0	63.6	21	93.9
Octubre	16.7	26.3	20.5	30.2	15.0	73.9	191.6	24	95.1
Noviembre	16.7	24.0	19.8	27.0	15.6	78.9	110.9	20	77.0
Diciembre	16.4	24.1	19.7	27.0	15.0	79.0	78.9	17	85.4
Promedio :	17.0	25.8	20.6			73.7			
Absoluta :				31.9	14.4				
Total :							1221.7	239	1024.2



Estación : JIROCASACA  
Año : 1998

Dpto. : MAGDALENA  
Mpio. : SANTA MARTA

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	21.2	30.5	24.6	48.3	0.0	0.0	0.0	9.2
2	21.0	28.0	24.1	56.3	0.0	0.0	0.0	9.2
3	20.2	30.4	25.2	53.7	0.0	0.0	0.0	9.2
4	20.5	31.7	25.2	59.3	0.0	0.0	0.0	9.2
5	21.0	31.5	25.7	70.7	0.0	0.0	0.0	9.2
6	19.9	30.5	23.9	83.0	0.0	0.0	0.0	8.7
7	20.8	29.5	23.6	85.0	0.0	0.0	0.0	5.4
8	20.5	28.8	24.6	74.7	0.0	0.0	0.0	6.2
9	21.6	30.4	25.4	64.0	0.0	0.0	0.0	6.9
10	20.2	30.6	25.3	66.7	0.0	0.0	0.0	8.8
11	21.2	30.9	25.2	70.0	0.0	0.0	0.0	9.0
12	22.8	32.8	25.9	65.3	0.0	0.0	0.0	9.1
13	21.7	29.8	25.0	66.3	0.0	0.0	0.0	8.9
14	21.0	30.8	25.2	61.0	0.0	0.0	0.0	8.2
15	20.7	30.4	24.2	70.7	0.0	0.0	0.0	9.0
16	20.3	31.1	25.5	61.7	0.0	0.0	0.0	9.0
17	20.0	30.0	24.6	67.3	0.0	0.0	0.0	9.0
18	20.3	30.2	23.4	65.7	0.0	0.0	0.0	8.7
19	21.2	30.0	24.0	71.7	0.0	0.0	0.0	9.1
20	21.5	31.1	24.4	62.3	0.0	0.0	0.0	9.2
21	21.5	30.5	24.8	68.0	0.0	0.0	0.0	9.0
22	21.2	31.5	25.3	63.0	0.0	0.0	0.0	9.2
23	22.2	31.4	25.6	68.0	0.0	0.0	0.0	9.2
24	20.6	31.4	25.3	66.7	0.0	0.0	0.0	9.2
25	21.7	30.8	25.4	65.3	0.0	0.0	0.0	7.3
26	21.4	30.5	24.2	76.0	0.0	0.0	0.0	8.8
27	20.9	29.8	24.4	77.7	0.0	0.0	0.0	7.5
28	18.6	28.4	22.1	91.3	0.0	0.0	0.0	7.7
29	20.0	29.0	23.1	81.7	0.0	0.0	0.0	5.3
30	20.5	29.2	24.4	79.3	0.0	0.0	0.0	5.8
31	21.2	28.9	24.2	81.0	0.0	0.0	0.0	2.4
Total :					0.0	0.0	0.0	252.6
Promedio :	20.9	30.3	24.6	69.1				
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	21.6	31.4	25.8	63.7	0.0	0.0	0.0	8.8
2	22.8	31.8	25.7	74.7	0.0	0.0	0.0	9.0
3	20.0	28.0	21.9	90.3	2.5	0.0	2.5	1.2
4	20.1	25.0	21.2	93.3	0.0	0.0	0.0	1.0
5	19.9	28.9	25.2	59.7	0.0	.2	.2	6.6
6	21.5	29.9	25.1	77.7	0.0	0.0	0.0	7.4
7	20.8	24.0	21.7	95.0	1.9	8.7	10.6	.1
8	19.8	23.7	20.6	96.0	10.5	0.0	10.5	.9
9	17.8	20.8	18.4	91.7	0.0	0.0	0.0	.9
10	17.0	23.3	19.6	80.7	0.0	0.0	0.0	3.7
11	16.5	26.2	20.8	77.3	0.0	0.0	0.0	4.3
12	18.3	28.0	22.1	74.3	0.0	0.0	0.0	5.5
13	19.5	29.2	23.4	72.3	0.0	0.0	0.0	9.6
14	18.7	30.0	24.2	64.0	0.0	0.0	0.0	9.1
15	21.8	30.0	24.9	61.7	0.0	0.0	0.0	6.7
16	20.7	32.3	26.2	60.3	0.0	0.0	0.0	9.5
17	23.8	34.0	27.2	51.0	0.0	0.0	0.0	9.7
18	20.7	31.2	25.4	71.7	0.0	0.0	0.0	9.5
19	22.1	30.3	25.1	69.3	0.0	0.0	0.0	9.2
20	22.2	29.3	25.2	69.3	0.0	0.0	0.0	7.2
21	22.4	31.0	26.0	56.0	0.0	0.0	0.0	9.2
22	21.0	30.8	25.0	65.0	0.0	0.0	0.0	9.7
23	21.5	31.5	25.5	67.7	0.0	0.0	0.0	9.2
24	20.8	27.5	24.8	62.7	0.0	0.0	0.0	.8
25	20.5	30.7	23.6	68.3	0.0	0.0	0.0	9.6
26	21.5	29.0	23.5	78.3	0.0	0.0	0.0	8.5
27	20.5	30.7	24.5	77.3	0.0	0.0	0.0	7.9
28	22.3	32.0	26.2	69.7	0.0	0.0	0.0	9.4
29								
30								
31								
Total :					14.9	8.9	23.8	184.2
Promedio :	20.6	28.9	23.9	72.8				

Estación : JIROCASACA  
Año : 1998

Dpto. : MAGDALENA  
Mpio. : SANTA MARTA

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	22.3	31.5	25.3	68.0	0.0	0.0	0.0	9.6
2	21.5	30.5	25.9	55.7	0.0	0.0	0.0	8.5
3	21.9	31.0	26.7	51.3	0.0	0.0	0.0	9.4
4	24.0	31.4	27.2	59.3	0.0	0.0	0.0	7.2
5	22.0	30.5	25.9	68.0	0.0	0.0	0.0	7.2
6	21.0	31.9	24.6	77.7	0.0	0.0	0.0	8.4
7	22.4	30.3	26.4	66.0	0.0	0.0	0.0	6.9
8	21.3	30.5	25.3	77.7	0.0	0.0	0.0	9.1
9	21.0	32.0	25.8	73.3	0.0	0.0	0.0	5.2
10	19.5	30.5	23.9	72.0	0.0	0.0	0.0	9.9
11	21.0	28.0	23.0	71.0	0.0	0.0	0.0	10.0
12	20.6	28.9	24.2	64.3	0.0	0.0	0.0	9.9
13	19.9	29.0	24.5	54.0	0.0	0.0	0.0	9.9
14	21.4	31.0	23.9	66.3	0.0	0.0	0.0	8.7
15	21.5	30.6	25.2	64.0	0.0	0.0	0.0	7.1
16	20.5	31.4	24.8	61.0	0.0	0.0	0.0	8.8
17	22.3	30.4	25.7	58.3	0.0	0.0	0.0	9.0
18	22.5	32.8	26.2	60.3	0.0	0.0	0.0	8.8
19	21.0	33.0	26.2	59.7	0.0	0.0	0.0	9.6
20	22.0	31.2	25.8	76.0	0.0	0.0	0.0	6.8
21	21.8	28.8	24.6	77.3	0.0	0.0	0.0	2.4
22	20.5	30.8	25.2	74.0	0.0	0.0	0.0	8.1
23	19.9	27.2	22.2	94.7	.1	.1	.2	1.3
24	20.5	26.7	23.7	84.0	37.2	0.0	37.2	.9
25	20.6	31.0	25.5	69.7	0.0	0.0	0.0	7.7
26	21.7	30.0	25.5	59.7	0.0	0.0	0.0	8.8
27	20.4	30.0	24.2	71.7	0.0	0.0	0.0	6.7
28	20.1	31.0	25.3	66.3	0.0	0.0	0.0	9.0
29	19.6	30.2	24.5	73.3	0.0	0.0	0.0	7.9
30	19.8	29.5	23.9	77.7	0.0	0.0	0.0	8.5
31	17.5	28.5	22.9	78.7	0.0	0.0	0.0	4.9
Total :					37.3	.1	37.4	
Promedio :	21.0	30.3	25.0	68.7				236.2

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	21.4	29.9	25.4	67.7	0.0	0.0	0.0	4.5
2	20.9	28.9	25.2	72.3	0.0	0.0	0.0	5.8
3	21.6	28.0	24.3	88.0	0.0	0.0	0.0	2.9
4	21.2	29.0	24.7	83.0	0.0	0.0	0.0	3.9
5	21.3	29.8	24.9	75.3	.6	0.0	.6	2.8
6	20.7	26.3	23.1	89.7	.4	0.0	.4	2.6
7	21.0	26.4	23.8	89.0	0.0	5.4	5.4	.4
8	21.1	30.8	25.3	81.7	.2	0.0	.2	5.3
9	23.5	31.3	26.7	70.0	0.0	0.0	0.0	7.0
10	22.6	30.5	25.9	71.7	0.0	0.0	0.0	4.3
11	21.2	29.5	23.8	82.3	7.3	5.9	13.2	4.4
12	20.7	24.5	22.8	86.3	6.3	0.0	6.3	.3
13	20.0	28.5	23.5	80.3	3.0	125.0	128.0	6.4
14	19.8	29.0	23.2	85.7	20.4	17.3	37.7	3.5
15	21.6	28.8	23.9	78.0	0.0	0.0	0.0	9.7
16	22.1	30.2	25.0	74.3	0.0	0.0	0.0	10.1
17	22.0	30.0	25.0	72.3	0.0	0.0	0.0	8.2
18	23.0	29.5	24.9	72.3	0.0	0.0	0.0	9.0
19	19.4	29.0	24.4	83.7	0.0	0.0	0.0	5.9
20	21.3	23.7	23.0	89.7	6.3	4.9	11.2	0.0
21	20.8	28.0	24.3	88.0	9.6	0.0	9.6	3.4
22	21.3	29.7	24.7	89.3	.8	.2	1.0	6.1
23	22.0	30.0	25.2	82.0	0.0	0.0	0.0	6.8
24	22.4	29.3	25.0	87.3	0.0	0.0	0.0	4.8
25	21.4	27.5	24.0	83.0	.8	0.0	.8	1.6
26	22.0	29.0	25.0	62.3	0.0	0.0	0.0	3.8
27	21.5	29.5	24.8	78.0	0.0	0.0	0.0	4.8
28	22.0	30.9	25.5	68.7	0.0	0.0	0.0	7.8
29	22.2	30.8	26.1	61.7	0.0	0.0	0.0	9.2
30	22.0	29.0	25.2	70.7	0.0	0.0	0.0	5.8
31								
Total :					55.7	158.7	214.4	151.1
Promedio :	21.5	28.9	24.6	78.8				

Estación : JIROCASACA  
Año : 1998

Dpto. : MAGDALENA  
Mpio. : SANTA MARTA

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

Mayo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	21.5	28.9	24.0	88.3	3.3	0.0	3.3	1.6
2	20.9	27.4	24.0	82.0	0.0	0.0	0.0	3.0
3	21.1	26.4	23.2	92.3	1.6	.4	2.0	.1
4	19.5	24.5	21.0	96.0	127.7	1.6	129.3	.1
5	19.3	25.5	21.0	94.7	1.5	0.0	1.5	.5
6	19.5	27.5	23.4	77.3	0.0	0.0	0.0	2.0
7	20.0	25.2	22.2	90.0	8.1	0.0	8.1	.3
8	19.4	26.6	22.7	87.7	0.0	0.0	0.0	2.5
9	20.4	28.0	24.3	76.7	0.0	0.0	0.0	4.8
10	20.5	31.0	25.1	80.0	0.0	0.0	0.0	9.4
11	21.8	31.0	25.3	78.7	0.0	0.0	0.0	7.7
12	20.0	27.8	24.0	92.0	0.0	0.0	0.0	2.2
13	20.4	29.5	24.5	88.0	4.2	0.0	4.2	5.2
14	21.5	31.0	26.2	78.7	0.0	0.0	0.0	10.0
15	22.5	31.8	26.0	77.0	0.0	0.0	0.0	10.1
16	19.9	28.9	24.0	84.3	1.9	0.0	1.9	3.2
17	20.1	29.1	23.8	88.0	0.0	0.0	0.0	.6
18	20.6	29.8	24.7	79.7	.6	0.0	.6	3.5
19	20.7	25.8	22.6	94.7	28.0	0.0	28.0	.8
20	20.7	31.5	25.7	74.7	0.0	0.0	0.0	8.3
21	21.9	30.4	25.2	81.7	0.0	0.0	0.0	8.0
22	21.0	32.4	25.8	80.0	0.0	0.0	0.0	7.1
23	21.0	27.5	23.1	91.3	4.6	0.0	4.6	.5
24	21.4	28.8	23.3	89.0	5.2	0.0	5.2	3.9
25	21.8	26.9	23.4	93.0	0.0	14.9	14.9	1.1
26	20.5	26.4	22.9	95.0	28.6	24.5	53.1	.4
27	20.1	24.3	22.0	95.7	42.6	0.0	42.6	.1
28	19.2	25.7	22.4	93.7	37.7	17.9	55.6	.1
29	19.9	25.9	21.3	94.7	19.0	0.0	19.0	.3
30	19.8	26.8	23.2	92.7	7.1	0.0	7.1	2.2
31	19.5	28.3	24.0	91.3	5.9	7.8	13.7	3.8
Total :					327.6	67.1	394.7	103.4
Promedio :	20.5	28.1	23.7	87.1				

Junio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.8	28.9	22.9	92.0	11.4	0.0	11.4	3.8
2	19.1	26.0	22.2	94.3	1.1	0.0	1.1	.4
3	19.3	28.5	24.1	83.7	0.0	0.0	0.0	3.6
4	19.8	26.5	22.2	91.7	2.7	0.0	2.7	1.9
5	20.0	28.8	22.8	89.0	31.6	0.0	31.6	5.2
6	20.8	28.7	23.2	87.3	12.7	0.0	12.7	3.3
7	19.9	27.8	23.2	91.0	4.8	.1	4.9	2.6
8	20.1	26.6	24.1	87.7	2.6	.4	3.0	0.0
9	19.7	29.2	25.0	75.3	0.0	0.0	0.0	5.5
10	21.5	27.5	24.3	80.7	0.0	0.0	0.0	6.1
11	20.9	30.0	24.8	76.7	0.0	0.0	0.0	6.7
12	21.8	28.9	23.5	88.7	0.0	0.0	0.0	3.5
13	20.4	30.2	25.7	75.7	0.0	0.0	0.0	7.7
14	21.1	30.0	24.0	84.7	0.0	0.0	0.0	6.0
15	20.0	27.2	22.0	93.7	7.0	28.0	35.0	1.4
16	19.4	24.7	21.8	92.0	4.3	3.2	7.5	0.0
17	19.0	27.8	23.2	87.7	.6	.6	1.2	5.5
18	19.5	27.4	24.1	77.7	.5	0.0	.5	4.8
19	21.0	29.2	25.0	81.7	0.0	0.0	0.0	8.9
20	20.9	28.0	23.5	82.7	2.1	.7	2.8	4.6
21	19.5	27.4	22.2	85.3	43.0	0.0	43.0	2.6
22	19.4	24.9	21.0	92.7	22.0	0.0	22.0	.6
23	17.8	26.0	22.3	90.3	3.9	2.7	6.6	2.9
24	19.5	27.5	23.4	82.7	0.0	0.0	0.0	5.1
25	19.8	28.9	24.4	77.7	0.0	0.0	0.0	10.1
26	20.5	30.4	25.0	75.3	0.0	0.0	0.0	7.6
27	22.0	29.8	25.1	80.7	0.0	.1	.1	3.7
28	19.2	25.4	21.2	93.3	100.0	.2	100.2	.3
29	18.9	27.6	23.1	89.3	2.6	0.0	2.6	1.7
30	19.0	28.8	23.3	84.3	11.6	0.0	11.6	5.2
31								
Total :					264.5	36.0	300.5	121.3
Promedio :	20.0	28.0	23.4	85.5				

Estación : JIROCASACA  
Año : 1998

Dpto. : MAGDALENA  
Mpio. : SANTA MARTA

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

Julio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.4	30.4	24.9	75.7	0.0	0.0	0.0	7.6
2	19.6	30.6	24.9	73.0	0.0	0.0	0.0	9.9
3	21.0	27.8	24.3	74.7	1.4	0.0	1.4	3.0
4	20.0	26.2	21.8	96.0	27.6	8.4	36.0	1.4
5	18.2	24.9	21.2	94.0	3.4	0.0	3.4	2.2
6	18.0	25.4	21.6	91.3	11.3	3.4	14.7	1.0
7	18.1	25.4	21.9	94.0	43.5	0.0	43.5	.5
8	19.0	25.6	21.9	93.7	13.1	0.0	13.1	1.3
9	19.3	28.5	23.6	82.7	2.7	0.0	2.7	2.8
10	19.0	27.4	22.2	87.0	32.0	.3	32.3	3.6
11	19.1	29.1	23.9	81.3	0.0	0.0	0.0	5.8
12	19.5	27.9	23.2	88.0	18.7	0.0	18.7	3.3
13	19.4	28.6	22.2	91.0	2.7	0.0	2.7	6.1
14	19.8	28.9	22.3	85.7	10.2	0.0	10.2	3.2
15	18.7	26.4	23.0	89.3	.8	0.0	.8	3.3
16	19.7	27.5	22.4	91.3	1.6	0.0	1.6	3.2
17	18.0	27.0	24.0	83.3	0.0	0.0	0.0	2.6
18	18.5	27.5	23.4	81.7	0.0	0.0	0.0	3.5
19	19.5	28.5	23.6	86.3	0.0	0.0	0.0	6.1
20	19.2	28.5	24.3	76.0	0.0	0.0	0.0	5.6
21	21.5	29.5	24.4	76.3	2.1	0.0	2.1	5.4
22	19.5	28.8	23.5	81.0	.5	0.0	.5	3.5
23	19.0	27.0	22.6	87.3	6.3	0.0	6.3	3.8
24	18.0	25.5	22.6	89.0	31.3	0.0	31.3	4.0
25	19.0	27.0	21.8	90.7	58.4	31.9	90.3	3.6
26	18.5	28.5	24.6	74.7	0.0	0.0	0.0	6.8
27	21.0	29.5	24.0	75.7	.1	0.0	.1	7.9
28	19.0	27.5	22.6	93.0	.5	0.0	.5	2.9
29	20.0	27.5	23.5	80.3	1.0	0.0	1.0	4.1
30	22.5	29.5	25.6	69.7	0.0	0.0	0.0	6.7
31	19.0	26.5	22.8	94.3	35.4	0.0	35.4	1.8
Total :					304.6	44.0	348.6	126.5
Promedio :	19.4	27.7	23.2	84.8				

Agosto	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	27.0	24.1	79.7	0.0	0.0	0.0	6.6
2	20.8	28.7	24.0	77.3	6.3	0.0	6.3	7.6
3	21.8	29.2	24.2	79.7	0.0	0.0	0.0	6.8
4	22.8	29.3	26.2	66.3	0.0	0.0	0.0	9.0
5	21.0	28.3	24.9	71.7	0.0	0.0	0.0	6.8
6	19.9	27.1	23.5	84.0	1.0	0.0	1.0	4.2
7	18.7	24.1	20.4	90.0	98.0	.8	98.8	.7
8	17.0	24.9	22.0	81.0	0.0	0.0	0.0	3.9
9	19.4	27.1	23.1	83.3	0.0	0.0	0.0	4.2
10	20.4	27.3	23.4	74.7	0.0	0.0	0.0	4.0
11	20.2	28.0	22.8	87.0	4.0	0.0	4.0	6.9
12	20.8	28.8	23.8	84.3	0.0	0.0	0.0	5.6
13	19.7	27.0	23.2	89.0	0.0	0.0	0.0	3.4
14	21.0	28.8	25.0	68.7	0.0	0.0	0.0	7.2
15	18.8	25.0	22.5	82.3	0.0	0.0	0.0	.7
16	18.0	26.0	21.5	90.0	13.7	0.0	13.7	3.9
17	19.0	25.8	22.2	87.0	44.9	0.0	44.9	3.6
18	18.9	26.2	22.7	92.3	9.4	19.9	29.3	5.0
19	18.2	27.0	20.8	92.0	13.2	2.3	15.5	4.0
20	17.2	25.2	21.2	91.7	23.1	12.5	35.6	4.0
21	18.1	26.2	21.7	82.0	14.9	0.0	14.9	2.8
22	18.2	27.2	21.2	89.7	1.8	0.0	1.8	4.3
23	20.0	28.8	23.6	83.7	5.9	0.0	5.9	6.8
24	19.9	27.0	23.4	88.7	0.0	.4	.4	4.1
25	19.8	26.8	23.7	84.0	0.0	0.0	0.0	6.2
26	20.0	20.8	20.4	93.7	62.3	.2	62.5	1.5
27	19.0	26.0	22.3	85.7	2.7	0.0	2.7	0.0
28	19.1	26.8	23.0	85.7	1.3	.1	1.4	5.5
29	20.0	30.1	23.2	77.0	.4	0.0	.4	6.5
30	20.1	28.0	23.4	91.7	0.0	.1	.1	5.0
31	19.8	25.4	21.6	93.3	10.5	.4	10.9	.1
Total :					313.4	36.7	350.1	140.9
Promedio :	19.6	26.9	22.9	84.1				

Estación : JIROCASACA  
Año : 1998

Dpto. : MAGDALENA  
Mpio. : SANTA MARTA

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

Septiembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	27.2	22.2	93.0	54.1	0.0	54.1	4.7
2	19.1	26.0	21.8	93.0	5.1	0.0	5.1	2.1
3	18.0	27.0	21.2	91.3	18.8	2.7	21.5	2.0
4	18.2	26.2	20.7	93.7	4.9	2.3	7.2	2.9
5	18.5	27.0	22.5	88.0	2.3	0.0	2.3	4.1
6	19.5	28.0	22.5	83.7	.8	0.0	.8	5.4
7	20.5	29.1	23.1	80.3	3.5	0.0	3.5	7.0
8	19.4	26.2	21.6	94.3	3.0	0.0	3.0	1.1
9	18.8	25.2	22.0	92.0	.8	7.6	8.4	2.2
10	19.2	27.0	22.2	87.3	8.8	3.3	12.1	3.7
11	18.4	26.4	21.2	87.7	13.2	.2	13.4	4.0
12	19.0	24.5	21.8	93.7	.4	0.0	.4	1.2
13	19.4	22.5	20.0	94.3	23.4	0.0	23.4	0.0
14	18.0	27.0	22.2	84.7	4.5	2.0	6.5	5.4
15	18.5	26.2	20.5	89.7	32.6	.1	32.7	3.3
16	18.3	28.0	22.0	85.3	2.8	0.0	2.8	5.6
17	18.6	28.9	22.4	85.0	2.2	0.0	2.2	6.6
18	19.0	25.7	23.2	87.7	0.0	2.3	2.3	2.5
19	19.7	27.1	22.0	91.3	.9	0.0	.9	4.0
20	19.5	27.5	22.6	88.0	10.6	0.0	10.6	3.7
21	19.8	26.4	22.5	88.3	0.0	0.0	0.0	1.4
22	19.2	27.0	22.0	92.7	4.3	0.0	4.3	5.1
23	18.2	27.2	20.8	92.3	31.3	0.0	31.3	4.4
24	18.0	26.2	21.2	90.0	21.6	0.0	21.6	3.2
25	18.4	27.5	21.9	86.3	9.9	0.0	9.9	4.1
26	19.0	27.0	22.2	82.3	0.0	.3	.3	3.7
27	19.1	25.4	21.6	93.0	1.6	0.0	1.6	2.2
28	19.8	24.0	21.2	93.3	.2	0.0	.2	.1
29	18.2	28.2	23.0	87.7	1.0	0.0	1.0	4.6
30	20.8	28.0	23.8	80.3	2.0	0.0	2.0	5.4
31								
Total :					264.6	20.8	285.4	105.7
Promedio :	19.0	26.7	21.9	89.0				

Octubre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	20.0	30.0	24.0	82.3	3.5	0.0	3.5	5.7
2	21.2	28.4	23.6	81.3	.6	0.0	.6	4.4
3	20.0	26.0	22.8	89.0	9.4	0.0	9.4	.9
4	19.2	26.2	21.2	87.3	61.5	.3	61.8	2.5
5	19.8	26.9	22.8	84.3	0.0	0.0	0.0	5.3
6	19.7	28.0	22.2	86.3	7.9	.9	8.8	3.6
7	18.2	25.0	21.6	92.7	0.0	.4	.4	.2
8	19.0	26.0	21.8	90.7	10.8	0.0	10.8	3.0
9	18.9	27.0	21.6	90.7	3.0	0.0	3.0	4.2
10	19.8	27.3	22.7	77.0	1.4	0.0	1.4	5.4
11	20.0	28.0	22.2	83.3	16.0	0.0	16.0	6.2
12	19.9	29.0	22.6	85.7	12.3	0.0	12.3	7.3
13	17.8	25.5	21.0	86.7	1.5	0.0	1.5	2.0
14	18.0	26.1	21.8	89.3	1.3	0.0	1.3	.9
15	19.2	27.0	21.7	88.0	47.0	.2	47.2	4.0
16	20.8	26.7	22.2	86.0	11.1	0.0	11.1	4.4
17	18.8	26.8	22.1	88.0	.4	0.0	.4	4.0
18	20.0	24.9	21.5	94.0	.2	.1	.3	.3
19	19.8	26.9	22.3	89.3	.2	0.0	.2	3.6
20	19.3	25.2	21.2	89.3	42.4	37.0	79.4	1.8
21	17.9	24.0	20.4	88.7	0.0	0.0	0.0	.1
22	17.3	26.1	21.3	88.3	2.3	0.0	2.3	1.1
23	19.0	26.0	21.0	91.0	.7	0.0	.7	2.7
24	19.0	26.2	22.5	83.0	0.0	0.0	0.0	1.6
25	18.8	25.1	20.8	92.7	3.5	0.0	3.5	2.3
26	18.4	25.7	20.8	94.3	9.5	0.0	9.5	2.6
27	18.8	27.0	21.3	88.7	1.0	0.0	1.0	3.4
28	16.9	25.5	20.5	90.0	.2	0.0	.2	2.9
29	18.0	27.1	21.0	90.0	1.3	8.9	10.2	3.6
30	19.0	25.8	21.8	90.3	16.4	7.2	23.6	1.6
31	19.0	26.5	22.8	87.0	0.0	.9	.9	.8
Total :					265.4	55.9	321.3	92.4
Promedio :	19.1	26.5	21.8	87.9				

Estación : JIROCASACA  
Año : 1998

Dpto. : MAGDALENA  
Mpio. : SANTA MARTA

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

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.2	25.0	22.1	91.7	0.0	1.5	1.5	.3
2	19.8	27.4	22.2	92.7	6.0	7.5	13.5	1.6
3	19.5	27.0	21.4	92.7	12.3	.1	12.4	3.8
4	19.1	26.5	21.0	96.0	43.4	0.0	43.4	2.9
5	19.0	26.0	22.0	94.3	1.3	1.9	3.2	2.1
6	18.8	27.2	22.7	92.3	0.0	0.0	0.0	5.0
7	19.8	25.8	21.4	91.7	2.2	5.0	7.2	.9
8	19.8	26.0	22.0	83.7	16.9	0.0	16.9	2.5
9	18.0	27.7	23.8	62.0	0.0	0.0	0.0	8.4
10	19.0	27.9	23.1	71.7	0.0	0.0	0.0	8.6
11	21.0	28.9	24.8	67.0	0.0	0.0	0.0	8.9
12	20.0	29.0	23.8	69.7	.2	0.0	.2	8.1
13	20.1	27.1	22.8	78.0	0.0	0.0	0.0	6.9
14	18.8	27.4	21.2	88.0	.3	0.0	.3	4.9
15	17.7	28.0	22.0	85.7	0.0	0.0	0.0	5.1
16	19.0	28.1	22.7	89.7	4.7	0.0	4.7	3.4
17	19.8	27.8	22.7	87.3	0.0	0.0	0.0	4.3
18	20.1	27.0	21.7	89.7	6.8	1.2	8.0	1.0
19	19.5	27.1	23.2	84.0	0.0	0.0	0.0	3.7
20	20.0	27.4	23.0	78.3	0.0	0.0	0.0	3.1
21	18.6	27.3	22.4	78.3	0.0	0.0	0.0	2.8
22	17.8	25.1	21.2	87.0	0.0	0.0	0.0	1.1
23	17.4	26.2	22.0	88.0	0.0	0.0	0.0	6.0
24	17.8	26.2	21.9	83.7	0.0	0.0	0.0	5.3
25	18.4	27.2	21.0	85.3	0.0	0.0	0.0	4.7
26	18.8	26.8	21.4	82.7	0.0	0.0	0.0	4.3
27	17.8	25.2	20.4	94.0	32.0	1.1	33.1	2.8
28	17.5	25.4	20.6	85.7	0.0	0.0	0.0	3.7
29	18.5	25.4	20.8	85.7	3.0	0.0	3.0	2.9
30	17.5	27.0	20.8	88.3	0.0	0.0	0.0	5.3
31								
Total :					129.1	18.3	147.4	124.4
Promedio :	18.9	26.9	22.1	84.8				

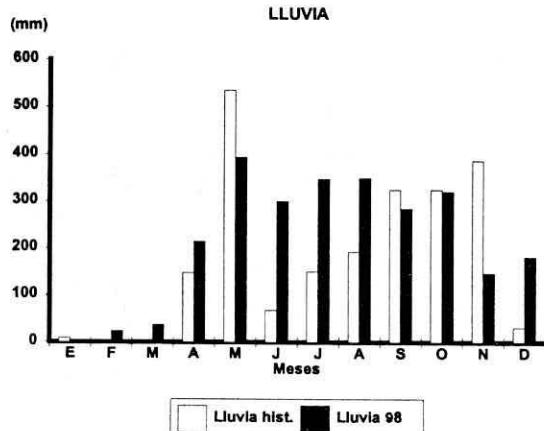
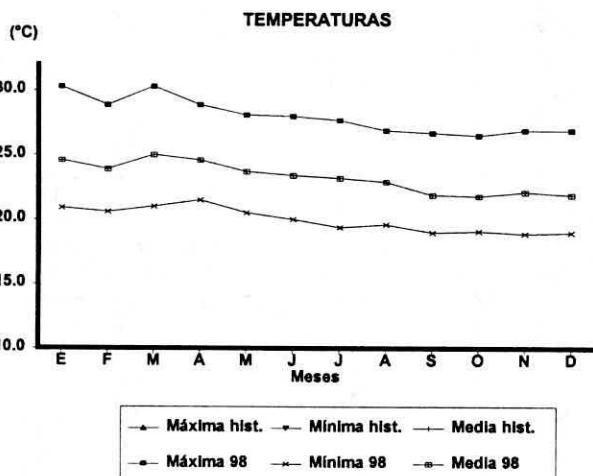
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.1	27.2	21.8	84.7	0.0	0.0	0.0	3.7
2	18.2	26.0	20.4	93.3	30.9	0.0	30.9	2.7
3	18.0	25.2	19.2	95.7	19.3	0.0	19.3	1.3
4	17.4	25.7	20.8	93.0	2.2	15.2	17.4	1.2
5	18.2	26.0	21.6	91.0	.2	0.0	.2	1.9
6	18.9	26.2	21.4	93.0	1.2	5.9	7.1	2.7
7	17.4	24.0	19.9	91.7	22.5	0.0	22.5	0.0
8	17.2	25.0	19.5	97.0	27.8	1.1	28.9	.9
9	18.0	23.1	19.8	96.3	15.1	0.0	15.1	.3
10	17.8	24.2	20.5	92.7	.9	.7	1.6	1.3
11	17.9	26.1	21.1	87.3	3.4	0.0	3.4	2.7
12	18.8	27.8	22.5	84.7	0.0	0.0	0.0	6.0
13	17.9	27.7	21.9	83.0	0.0	0.0	0.0	4.7
14	19.6	28.8	23.2	79.0	0.0	0.0	0.0	8.3
15	18.8	27.8	23.0	86.3	0.0	0.0	0.0	5.2
16	21.0	28.9	22.8	81.0	10.6	19.0	29.6	5.5
17	19.4	26.2	22.4	88.3	0.0	.1	.1	2.5
18	21.0	28.0	23.4	71.0	0.0	0.0	0.0	7.3
19	19.8	28.0	23.7	84.0	0.0	0.0	0.0	7.6
20	20.3	26.2	22.4	79.0	4.1	.2	4.3	5.9
21	18.0	27.6	22.1	75.7	0.0	0.0	0.0	7.2
22	19.2	27.7	23.4	69.3	.1	0.0	.1	9.2
23	21.1	27.4	23.7	55.0	0.0	0.0	0.0	9.2
24	19.7	27.8	21.8	77.3	0.0	0.0	0.0	8.8
25	19.0	28.4	22.3	77.0	0.0	0.0	0.0	8.6
26	19.8	27.2	22.0	81.3	0.0	0.0	0.0	6.2
27	19.9	27.8	22.3	78.7	0.0	0.0	0.0	4.6
28	20.8	28.2	22.2	87.7	1.7	0.0	1.7	5.0
29	18.8	28.0	22.4	87.3	0.0	0.0	0.0	4.7
30	18.0	27.2	22.7	88.0	0.0	0.0	0.0	5.1
31	21.4	27.8	22.6	84.7	0.0	0.0	0.0	7.2
Total :					140.0	42.2	182.2	147.5
Promedio :	19.0	26.9	21.9	83.7				

Estación : JIROCASACA  
Año : 1998

Dpto. : MAGDALENA  
Mpio. : SANTA MARTA

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

MES	TEMPERATURA °C					PRECIPITACION			
	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	20.9	30.3	24.6	32.8	18.6	69.1	0.0	0	252.6
Febrero	20.6	28.9	23.9	34.0	16.5	72.8	23.8	4	184.2
Marzo	21.0	30.3	25.0	33.0	17.5	68.7	37.4	2	236.2
Abril	21.5	28.9	24.6	31.3	19.4	78.8	214.4	12	151.1
Mayo	20.5	28.1	23.7	32.4	19.2	87.1	394.7	18	103.4
Junio	20.0	28.0	23.4	30.4	17.8	85.5	300.5	19	121.3
Julio	19.4	27.7	23.2	30.6	18.0	84.8	348.6	22	126.5
Agosto	19.6	26.9	22.9	30.1	17.0	84.1	350.1	19	140.9
Septiembre	19.0	26.7	21.9	29.1	18.0	89.0	285.4	29	105.7
Octubre	19.1	26.5	21.8	30.0	16.9	87.9	321.3	28	92.4
Noviembre	18.9	26.9	22.1	29.0	17.4	84.8	147.4	13	124.4
Diciembre	19.0	26.9	21.9	28.9	17.2	83.7	182.2	15	147.5
Promedio :	20.0	28.0	23.2			81.4			
Absoluta :				34.0	16.5				
Total :							2605.8	181	1786.2



Estación : EL SAUCE  
Año : 1998

Dpto. : NARIÑO  
Mpio. : LA UNION

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

Enero	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.5	26.0	20.5	70.0	.4	0.0	.4	6.2
2	17.0	29.5	23.0	45.0	0.0	0.0	0.0	10.1
3	17.5	29.0	22.7	46.7	0.0	0.0	0.0	10.4
4	19.0	30.0	23.0	55.0	0.0	0.0	0.0	7.4
5	18.5	28.0	23.1	53.3	0.0	0.0	0.0	4.9
6	18.2	27.0	20.2	84.0	1.5	0.0	1.5	.3
7	17.5	25.0	19.9	84.3	3.4	4.0	7.4	3.7
8	17.0	27.5	21.2	79.3	0.0	0.0	0.0	4.2
9	16.5	27.3	20.5	82.3	.8	0.0	.8	6.6
10	17.0	29.0	21.5	78.3	0.0	0.0	0.0	9.2
11	17.5	28.0	22.5	67.7	0.0	0.0	0.0	4.5
12	19.0	26.5	21.8	75.3	0.0	0.0	0.0	1.8
13	17.0	25.5	20.4	87.0	0.0	0.0	0.0	2.8
14	16.7	26.5	20.4	79.3	0.0	0.0	0.0	3.3
15	16.5	31.5	21.8	75.3	0.0	0.0	0.0	9.0
16	17.0	28.0	21.6	73.0	0.0	0.0	0.0	7.3
17	17.2	29.0	21.5	78.3	0.0	0.0	0.0	5.4
18	18.0	27.0	21.2	80.3	0.0	0.0	0.0	6.2
19	17.5	31.0	21.7	75.7	0.0	0.0	0.0	8.6
20	17.0	27.8	21.3	85.0	0.0	0.0	0.0	6.1
21	17.5	30.5	23.0	72.3	0.0	0.0	0.0	5.7
22	18.0	27.0	22.6	74.0	0.0	0.0	0.0	2.7
23	17.0	32.0	22.1	76.7	0.0	0.0	0.0	10.1
24	16.7	32.1	23.0	58.7	0.0	0.0	0.0	7.4
25	18.0	29.0	22.0	77.0	0.0	0.0	0.0	9.5
26	17.0	30.0	22.6	68.7	0.0	0.0	0.0	4.8
27	18.0	29.5	22.2	72.3	0.0	0.0	0.0	5.4
28	17.3	28.0	21.5	82.0	0.0	0.0	0.0	2.2
29	18.5	30.5	22.8	68.7	0.0	0.0	0.0	8.0
30	18.0	29.5	23.5	65.7	0.0	0.0	0.0	6.6
31	17.5	31.0	23.4	58.3	0.0	0.0	0.0	6.4
Total :					6.1	4.0	10.1	
Promedio :	17.5	28.7	21.9	71.9				186.8
Febrero	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	32.0	24.0	53.7	0.0	0.0	0.0	8.3
2	20.0	25.0	22.6	72.0	.8	0.0	.8	.4
3	19.0	31.0	23.4	68.7	0.0	0.0	0.0	5.2
4	18.0	32.0	23.0	76.3	0.0	0.0	0.0	10.0
5	17.5	28.0	21.5	78.0	0.0	0.0	0.0	3.9
6	17.0	32.0	22.0	76.3	0.0	0.0	0.0	6.5
7	18.0	28.0	21.1	81.7	7.9	.7	8.6	1.3
8	17.5	24.5	19.7	83.3	9.1	21.6	30.7	.4
9	18.0	23.5	18.9	85.3	14.6	1.5	16.1	.6
10	17.0	23.0	19.1	84.3	.9	5.7	6.6	0.0
11	17.5	21.5	19.0	88.0	0.0	0.0	0.0	0.0
12	17.0	26.5	20.8	82.7	0.0	0.0	0.0	2.0
13	18.0	30.5	22.6	66.3	0.0	0.0	0.0	4.2
14	17.0	26.0	20.1	70.0	24.0	0.0	24.0	2.6
15	18.0	28.5	22.3	77.0	0.0	0.0	0.0	8.6
16	20.0	30.5	24.7	48.3	0.0	0.0	0.0	9.3
17	18.5	33.0	23.8	83.7	0.0	0.0	0.0	8.9
18	19.0	27.0	21.8	78.7	0.0	0.0	0.0	1.7
19	18.0	30.5	22.5	77.0	0.0	1.8	1.8	4.9
20	17.2	23.5	19.0	86.0	2.6	0.0	2.6	.2
21	17.5	28.0	21.3	77.0	.3	0.0	.3	3.9
22	17.5	30.0	22.1	74.7	0.0	0.0	0.0	8.0
23	18.5	26.5	20.8	83.0	.3	0.0	.3	3.8
24	18.0	24.0	20.3	83.0	.2	0.0	.2	.3
25	17.0	28.5	21.6	76.7	0.0	0.0	0.0	5.7
26	18.5	30.0	21.7	70.7	0.0	0.0	0.0	8.4
27	18.0	26.5	21.3	81.7	0.0	0.0	0.0	.6
28	17.8	28.5	22.6	76.3	0.0	0.0	0.0	2.7
29								
30								
31								
Total :					60.7	31.3	92.0	
Promedio :	17.8	27.8	21.6	75.7				112.4

Estación : EL SAUCE  
Año : 1998

Dpto. : NARIÑO  
Mpio. : LA UNION

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

Marzo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.1	27.5	20.1	84.0	7.0	32.2	39.2	3.7
2	16.7	22.5	19.1	85.3	0.0	0.0	0.0	0.0
3	17.0	29.5	21.6	77.0	0.0	0.0	0.0	6.1
4	19.0	27.5	22.8	59.3	0.0	0.0	0.0	3.4
5	18.0	28.5	21.8	74.7	0.0	0.0	0.0	4.6
6	17.5	28.0	21.4	82.3	0.0	.1	.1	2.6
7	18.0	24.5	20.3	90.0	.2	0.0	.2	1.5
8	17.0	26.5	21.8	77.0	0.0	0.0	0.0	2.2
9	18.0	30.5	21.3	79.7	0.0	0.0	0.0	8.1
10	17.4	26.0	21.5	76.7	0.0	.1	.1	2.0
11	18.5	28.0	21.6	78.3	5.8	10.2	16.0	5.1
12	18.0	29.0	21.8	77.3	14.0	0.0	14.0	5.8
13	19.0	30.4	21.0	81.0	5.8	0.0	5.8	4.9
14	17.0	30.0	20.5	78.0	1.2	4.8	6.0	8.1
15	17.5	26.0	21.2	79.0	.2	0.0	.2	4.9
16	18.5	27.5	20.4	81.3	9.4	0.0	9.4	1.7
17	18.0	28.5	21.5	82.7	0.0	0.0	0.0	5.2
18	19.0	29.5	22.4	67.3	0.0	0.0	0.0	4.2
19	18.5	31.5	24.2	64.0	0.0	0.0	0.0	8.8
20	19.0	24.0	20.6	87.0	0.0	0.0	0.0	0.0
21	17.5	26.0	22.0	65.3	0.0	0.0	0.0	1.5
22	19.0	30.5	22.5	72.3	.5	0.0	.5	7.5
23	18.0	24.8	20.1	78.3	18.3	8.4	26.7	.3
24	16.5	27.0	20.5	76.3	1.4	0.0	1.4	3.2
25	18.0	29.5	22.2	66.7	0.0	0.0	0.0	2.8
26	17.5	29.0	22.0	73.0	0.0	0.0	0.0	5.5
27	17.0	28.0	20.6	82.7	7.6	19.4	27.0	2.3
28	16.5	25.0	19.6	82.0	30.3	7.7	38.0	4.4
29	16.5	22.6	18.8	91.7	19.0	3.6	22.6	.9
30	17.0	26.0	20.2	86.7	7.7	20.0	27.7	3.6
31	18.0	28.0	21.0	80.3	.5	0.0	.5	3.4

Total : 128.9  
Promedio : 17.7 27.5 21.2 78.0 106.5 235.4 118.3

Abril	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.5	26.5	21.5	84.7	0.0	.1	.1	.7
2	18.0	25.5	21.1	80.0	1.8	0.0	1.8	3.4
3	18.5	25.8	20.5	88.3	7.2	0.0	7.2	.9
4	18.0	27.0	20.6	83.0	3.0	0.0	3.0	4.5
5	17.0	27.5	21.2	84.7	5.8	0.0	5.8	4.9
6	18.5	26.0	20.4	85.0	14.7	1.0	15.7	3.9
7	18.0	25.5	20.7	86.0	.4	13.5	13.9	4.5
8	18.5	26.0	20.8	80.3	1.8	.2	2.0	2.1
9	18.0	25.0	20.6	81.7	7.3	0.0	7.3	.6
10	17.0	24.4	21.0	76.7	4.4	.2	4.6	4.5
11	17.5	23.0	19.4	89.0	12.4	0.0	12.4	1.2
12	17.0	25.5	20.8	87.0	3.6	0.0	3.6	4.0
13	18.5	27.5	20.3	87.7	6.4	.6	7.0	4.0
14	17.0	27.5	21.2	83.0	0.0	0.0	0.0	6.5
15	18.0	27.1	21.7	84.0	2.2	0.0	2.2	4.5
16	18.5	27.0	22.2	82.7	3.1	0.0	3.1	6.0
17	18.0	28.0	20.7	83.7	17.1	0.0	17.1	4.8
18	17.5	26.5	20.4	85.0	52.4	16.8	69.2	3.8
19	17.6	24.0	19.3	88.7	4.8	.4	5.2	.8
20	17.0	26.5	20.6	89.0	0.0	0.0	0.0	5.5
21	18.4	24.5	19.7	89.3	14.3	0.0	14.3	1.2
22	18.0	27.5	21.8	81.7	0.0	0.0	0.0	7.4
23	19.0	23.0	20.2	83.7	2.7	0.0	2.7	0.0
24	17.5	25.0	21.2	81.3	11.2	0.0	11.2	4.0
25	19.0	25.5	21.0	87.7	4.0	1.5	5.5	3.3
26	17.5	25.0	20.4	81.0	0.0	.7	.7	1.9
27	17.0	27.5	20.9	84.3	12.1	0.0	12.1	5.6
28	17.5	27.8	20.9	74.0	2.7	0.0	2.7	4.7
29	17.8	26.8	21.0	85.7	15.3	.2	15.5	2.3
30	18.0	25.6	20.2	85.0	3.0	.4	3.4	2.4
31	—	—	—	—	—	—	—	—

Total : 213.7 35.6 249.3 103.9  
Promedio : 17.9 26.0 20.7 84.1

Estación : EL SAUCE  
Año : 1998

Dpto. : NARIÑO  
Mpio. : LA UNION

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

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	26.4	20.4	78.7	2.5	0.0	2.5	3.0
2	17.2	24.6	19.8	84.0	4.9	10.0	14.9	.8
3	16.2	22.2	18.2	88.0	29.1	11.9	41.0	.1
4	16.0	21.4	18.4	88.7	8.2	0.0	8.2	0.0
5	16.1	24.4	19.4	80.7	13.0	11.0	24.0	3.1
6	16.4	21.6	18.6	86.0	.1	0.0	.1	0.0
7	15.4	25.4	20.4	74.3	2.3	3.3	5.6	5.7
8	16.0	25.0	19.6	81.3	2.7	0.0	2.7	5.1
9	17.8	27.2	21.9	73.3	.3	0.0	.3	3.1
10	17.6	28.2	21.6	81.0	2.5	0.0	2.5	6.3
11	16.8	25.4	20.2	83.7	1.4	16.8	18.2	3.5
12	17.4	26.4	20.6	81.7	2.7	0.0	2.7	4.3
13	17.0	30.6	23.8	57.3	0.0	0.0	0.0	8.3
14	18.4	27.6	22.3	68.0	0.0	0.0	0.0	3.2
15	18.8	25.2	21.4	71.0	0.0	0.0	0.0	.3
16	17.8	27.9	23.2	60.7	0.0	0.0	0.0	5.5
17	18.8	27.6	23.2	61.3	0.0	0.0	0.0	4.3
18	20.0	28.2	23.0	49.0	0.0	0.0	0.0	5.1
19	17.4	30.2	23.1	49.7	0.0	0.0	0.0	9.4
20	17.8	30.8	24.6	48.3	0.0	0.0	0.0	10.7
21	18.2	31.0	24.7	51.3	0.0	0.0	0.0	9.4
22	18.2	28.2	23.6	58.0	0.0	0.0	0.0	8.0
23	19.0	28.4	23.2	64.3	0.0	0.0	0.0	6.6
24	18.8	28.4	22.7	72.0	0.0	0.0	0.0	4.8
25	19.4	27.2	22.2	82.7	0.0	0.0	0.0	4.0
26	18.0	24.2	20.2	90.7	18.5	39.2	57.7	.8
27	16.4	23.6	19.0	87.7	5.7	26.2	31.9	2.0
28	16.0	22.6	18.5	86.7	8.5	5.9	14.4	.1
29	15.6	22.4	18.5	89.3	7.5	0.0	7.5	.9
30	15.8	24.2	18.6	81.3	4.5	.1	4.6	3.3
31	16.6	25.4	19.6	79.3	15.8	4.6	20.4	3.3
Total :					130.2	129.0	259.2	125.0
Promedio :	17.4	26.2	21.1	73.9				
Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	25.2	19.0	92.0	.6	.3	6.8	2.2
2	16.2	24.4	19.8	88.3	.3	.1	.4	2.2
3	17.0	27.2	21.8	68.7	0.0	0.0	0.0	7.5
4	17.2	27.8	21.4	74.3	0.0	0.0	0.0	5.2
5	17.4	27.2	21.8	66.7	0.0	0.0	0.0	8.0
6	16.6	28.0	21.0	79.0	0.0	0.0	0.0	7.8
7	16.0	25.4	20.4	79.7	0.0	0.0	0.0	5.3
8	17.4	23.6	19.3	89.3	7.1	0.0	7.1	2.3
9	16.8	28.0	20.7	79.7	6.8	0.0	6.8	6.0
10	16.4	27.0	20.8	75.3	0.0	0.0	0.0	4.4
11	17.0	26.8	21.1	83.0	0.0	.1	.1	4.1
12	17.4	27.0	22.4	56.7	0.0	0.0	0.0	4.8
13	18.4	30.2	23.6	53.3	0.0	0.0	0.0	7.7
14	17.0	28.0	20.9	69.0	.2	0.0	.2	4.2
15	17.2	24.4	20.0	80.3	0.0	0.0	0.0	0.0
16	15.2	27.8	20.1	83.3	0.0	0.0	0.0	5.2
17	15.6	27.4	21.2	72.3	0.0	0.0	0.0	8.0
18	16.6	24.8	20.3	81.0	.2	.7	.9	1.3
19	16.8	28.6	21.2	77.0	0.0	.1	.1	8.2
20	17.2	26.8	20.4	84.0	0.0	0.0	0.0	3.3
21	16.8	24.0	19.2	84.3	.4	0.0	.4	.9
22	16.2	28.0	20.4	81.3	0.0	0.0	0.0	6.2
23	16.6	27.8	20.2	80.0	0.0	0.0	0.0	4.0
24	16.0	27.6	20.8	72.0	0.0	0.0	0.0	7.3
25	17.2	28.6	22.0	59.3	0.0	.3	.3	7.3
26	17.1	28.0	21.8	73.3	0.0	0.0	0.0	7.3
27	17.0	26.0	20.3	78.0	0.0	0.0	0.0	2.2
28	16.6	26.2	21.5	63.3	0.0	0.0	0.0	4.3
29	16.4	25.6	21.5	62.7	0.0	0.0	0.0	3.7
30	17.6	27.6	22.4	40.7	0.0	0.0	0.0	9.7
Total :					21.5	1.6	23.1	150.6
Promedio :	16.8	26.8	20.9	74.3				

Estación : EL SAUCE

Año : 1998

Dpto. : NARIÑO

Mpio. : LA UNION

Latitud : 1 ° 37'N

Longitud : 77 ° 6'W

Altitud : 1800 m

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	27.6	21.8	50.0	0.0	0.0	0.0	3.6
2	18.4	30.4	22.5	59.7	0.0	0.0	0.0	6.6
3	17.4	27.2	20.5	80.3	0.0	0.0	0.0	3.5
4	17.2	26.6	19.7	81.0	0.0	3.3	3.3	3.6
5	15.6	24.4	18.2	84.3	0.0	1.6	1.6	1.6
6	15.6	27.8	20.2	80.7	0.0	0.0	0.0	3.3
7	16.2	28.2	20.5	77.7	0.0	0.0	0.0	5.5
8	15.6	25.6	19.4	80.3	7.7	0.0	7.7	2.5
9	16.2	25.3	19.1	83.7	1.7	1.0	2.7	2.0
10	16.0	28.2	20.5	77.0	.9	.1	1.0	5.5
11	17.2	28.0	20.6	79.0	0.0	3.7	3.7	6.2
12	15.8	25.0	20.8	63.7	0.0	0.0	0.0	2.4
13	16.0	28.8	22.2	51.7	0.0	0.0	0.0	9.2
14	16.6	27.6	21.8	48.7	0.0	0.0	0.0	4.6
15	16.4	29.2	20.2	68.7	0.0	0.0	0.0	5.6
16	16.2	26.6	19.6	79.3	12.8	.2	13.0	3.1
17	16.0	23.4	18.8	85.0	1.3	0.0	1.3	1.3
18	15.8	23.0	19.1	84.0	1.8	.2	2.0	2.1
19	16.0	26.8	20.0	77.7	2.3	0.0	2.3	3.6
20	16.8	27.0	21.4	63.0	.1	0.0	.1	3.6
21	16.4	27.6	22.0	50.0	0.0	0.0	0.0	5.9
22	17.2	27.8	20.3	73.0	0.0	0.0	0.0	1.9
23	16.2	26.0	20.2	80.7	.4	0.0	.4	2.0
24	15.0	25.4	19.4	78.0	1.1	0.0	1.1	2.9
25	15.2	25.8	20.0	78.7	1.3	0.0	1.3	2.7
26	16.6	28.4	22.0	52.3	0.0	0.0	0.0	7.0
27	16.4	28.4	22.5	55.3	0.0	0.0	0.0	8.3
28	15.8	29.8	21.5	64.0	0.0	0.0	0.0	4.5
29	18.0	28.6	21.8	60.0	0.0	0.0	0.0	1.1
30	18.2	27.0	21.2	54.0	0.0	0.0	0.0	5.3
31	16.0	28.2	22.8	46.7	0.0	0.0	0.0	6.3
Total :					31.4	10.1	41.5	
Promedio :	16.4	27.1	20.7	69.3				127.3

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	27.9	21.9	53.7	0.0	0.0	0.0	6.2
2	19.0	29.9	22.8	50.3	0.0	0.0	0.0	7.0
3	18.8	28.4	23.4	48.0	0.0	0.0	0.0	6.2
4	17.8	28.2	21.2	73.7	0.0	0.0	0.0	4.6
5	16.8	27.6	20.0	80.0	.6	1.0	1.6	3.7
6	16.0	20.0	18.2	91.0	.6	.1	.7	0.0
7	15.4	26.4	19.0	81.3	5.6	0.0	5.6	1.6
8	15.4	26.1	19.7	79.3	0.0	0.0	0.0	5.0
9	15.0	30.8	20.8	73.3	0.0	0.0	0.0	8.2
10	15.2	30.0	21.0	67.7	.1	1.5	1.6	9.0
11	16.0	28.2	22.0	60.3	0.0	0.0	0.0	6.4
12	18.2	26.4	22.1	49.0	0.0	0.0	0.0	3.2
13	17.0	27.0	21.0	75.7	0.0	0.0	0.0	3.8
14	15.0	26.4	19.8	73.0	.6	0.0	.6	4.9
15	15.0	27.0	20.4	70.0	0.0	0.0	0.0	4.3
16	16.6	29.0	21.8	50.7	0.0	0.0	0.0	5.6
17	16.9	27.4	20.6	73.7	0.0	0.0	0.0	1.9
18	16.6	30.1	20.4	73.7	0.0	0.0	0.0	5.2
19	15.8	27.0	20.4	74.0	1.5	0.0	1.5	4.4
20	15.4	28.0	20.5	73.3	10.6	0.0	10.6	6.8
21	15.8	29.4	20.8	76.0	0.0	0.0	0.0	7.9
22	16.8	28.0	21.4	61.0	0.0	0.0	0.0	4.8
23	17.0	28.8	22.2	54.0	0.0	0.0	0.0	6.3
24	15.8	30.2	21.3	68.7	0.0	0.0	0.0	9.4
25	16.4	28.4	20.9	74.0	.1	.3	.4	3.9
26	16.6	27.8	20.7	76.3	0.0	0.0	0.0	4.0
27	17.1	29.0	20.6	71.3	0.0	.1	.1	4.8
28	17.0	28.2	21.6	71.0	0.0	0.0	0.0	4.3
29	16.0	28.4	21.8	71.7	0.0	0.0	0.0	6.3
30	17.4	28.4	21.8	57.0	0.0	0.0	0.0	5.6
31	17.8	26.2	21.2	50.3	0.0	0.0	0.0	1.3
Total :					19.7	3.2	22.9	
Promedio :	16.5	27.9	21.0	67.8				156.6

Estación : EL SAUCE  
Año : 1998

Dpto. : NARIÑO  
Mpio. : LA UNION

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.4	30.2	23.0	45.3	0.0	0.0	0.0	7.6
2	15.0	30.1	20.8	60.3	0.0	0.0	0.0	8.6
3	17.0	25.0	20.7	75.0	0.0	0.0	0.0	.6
4	15.8	26.4	20.6	74.0	0.0	.4	.4	3.1
5	15.9	32.0	22.6	59.0	0.0	0.0	0.0	8.4
6	16.8	30.2	20.8	74.3	1.2	0.0	1.2	7.3
7	15.6	29.2	21.2	68.3	0.0	.3	.3	5.8
8	16.4	27.8	19.9	82.3	4.1	.7	4.8	2.6
9	16.2	25.4	19.2	81.7	6.9	.2	7.1	1.9
10	16.0	26.4	20.2	80.7	.2	1.4	1.6	2.8
11	15.4	27.0	20.2	72.0	0.0	.9	.9	2.8
12	16.4	25.2	18.7	78.3	10.4	0.0	10.4	3.2
13	15.1	27.4	20.5	78.0	0.0	.2	.2	4.3
14	15.9	29.0	22.0	55.0	0.0	0.0	0.0	6.1
15	16.6	30.0	21.3	52.3	0.0	0.0	0.0	2.8
16	17.6	30.6	21.8	60.0	0.0	0.0	0.0	6.7
17	15.9	28.4	21.4	70.3	1.5	.6	2.1	7.7
18	16.0	29.0	20.9	73.3	0.0	0.0	0.0	5.9
19	16.4	27.0	20.5	76.3	.3	0.0	.3	3.6
20	15.6	30.0	21.6	72.0	.1	.1	.2	6.3
21	17.0	29.2	21.0	70.7	2.9	0.0	2.9	4.4
22	16.0	26.5	21.3	76.3	0.0	0.0	0.0	5.3
23	16.2	28.0	21.0	65.0	0.0	0.0	0.0	4.4
24	16.4	29.8	22.9	43.7	0.0	0.0	0.0	8.4
25	16.2	28.8	20.9	63.3	0.0	0.0	0.0	4.9
26	16.8	28.2	20.6	78.7	.8	.3	1.1	5.1
27	15.8	29.0	20.2	76.3	.9	0.0	.9	1.1
28	16.2	27.6	20.4	74.0	0.0	0.0	0.0	4.7
29	16.2	32.8	21.6	69.3	.5	0.0	.5	8.9
30	16.8	29.0	22.1	53.0	0.0	0.0	0.0	2.1
31								
Total :					29.8	5.1	34.9	147.4
Promedio :	16.2	28.5	21.0	68.6				
Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.4	29.8	23.7	42.7	0.0	0.0	0.0	3.5
2	18.4	29.0	23.2	46.7	0.0	0.0	0.0	9.3
3	16.8	31.0	21.3	73.3	0.0	0.0	0.0	3.1
4	15.2	32.8	21.7	66.7	1.1	2.8	3.9	10.4
5	16.2	27.8	21.2	73.7	.3	0.0	.3	6.1
6	16.8	27.4	20.9	78.3	.2	0.0	.2	4.3
7	17.0	28.2	20.4	80.0	0.0	0.0	0.0	4.4
8	17.6	28.2	21.2	76.3	0.0	0.0	0.0	2.2
9	18.2	27.8	22.0	56.3	0.0	0.0	0.0	1.1
10	17.6	32.4	23.4	40.7	0.0	0.0	0.0	9.6
11	16.2	32.8	23.5	50.0	0.0	0.0	0.0	6.2
12	13.8	31.8	20.4	68.3	34.4	0.0	34.4	6.6
13	16.0	27.6	20.6	65.7	0.0	0.0	0.0	6.2
14	15.8	31.8	20.8	67.0	4.7	0.0	4.7	9.3
15	16.6	27.8	19.6	70.0	34.2	.1	34.3	1.6
16	15.4	27.0	19.7	77.0	6.0	0.0	6.0	3.2
17	16.0	25.2	19.0	79.7	.8	22.8	23.6	3.0
18	15.2	26.2	19.4	81.7	1.4	.3	1.7	3.9
19	16.0	25.0	19.1	80.7	0.0	0.0	0.0	1.3
20	16.0	26.8	19.9	80.3	1.7	4.5	6.2	3.0
21	16.4	27.0	19.9	79.0	7.3	.6	7.9	6.7
22	15.8	23.2	18.0	83.0	23.4	3.9	27.3	.4
23	14.6	23.4	17.6	81.7	3.3	.5	3.8	1.5
24	15.8	25.2	19.1	72.3	.1	2.0	2.1	4.5
25	14.4	24.0	18.8	85.0	1.1	1.1	2.2	4.3
26	16.4	23.8	19.4	80.7	4.1	0.0	4.1	.6
27	16.4	25.0	19.4	82.7	.8	0.0	.8	2.7
28	16.0	27.8	20.0	82.0	0.0	0.0	0.0	3.6
29	17.0	27.0	20.2	80.7	.6	0.0	.6	3.5
30	16.8	24.9	20.0	82.3	.7	0.0	.7	1.1
31	17.0	25.4	19.9	76.0	35.9	25.4	61.3	2.6
Total :					162.1	64.0	226.1	129.8
Promedio :	16.3	27.5	20.4	72.3				

Estación : EL SAUCE  
Año : 1998

Dpto. : NARIÑO  
Mpio. : LA UNION

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

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.2	24.2	19.4	86.0	10.8	15.3	26.1	1.4
2	15.8	25.2	19.4	84.0	1.1	0.0	1.1	2.2
3	16.0	25.0	19.8	78.7	1.2	.3	1.5	5.5
4	15.8	24.9	18.9	82.3	1.0	7.2	8.2	3.2
5	16.6	24.0	18.4	86.7	8.6	13.1	21.7	.8
6	15.0	22.6	18.4	86.0	5.2	0.0	5.2	.7
7	15.8	22.4	18.0	85.7	5.2	13.2	18.4	.5
8	16.0	23.0	18.6	87.3	0.0	1.0	1.0	.3
9	16.4	26.6	19.4	85.7	0.0	23.1	23.1	2.1
10	15.0	23.0	18.4	86.7	19.8	16.8	36.6	1.8
11	15.4	25.6	19.6	86.7	0.0	20.5	20.5	4.1
12	16.0	22.0	18.4	85.0	.2	0.0	.2	0.0
13	15.8	28.2	19.0	81.3	0.0	0.0	0.0	8.3
14	15.8	24.0	19.0	85.3	2.2	.1	2.3	2.0
15	16.6	23.0	19.2	86.3	4.2	0.0	4.2	1.5
16	16.1	25.8	19.6	85.7	.2	0.0	.2	3.4
17	16.8	23.6	19.6	82.0	1.3	0.0	1.3	2.6
18	17.0	24.4	19.4	87.7	0.0	0.0	0.0	1.3
19	15.8	24.0	19.4	82.3	.1	9.0	9.1	3.5
20	16.0	24.4	19.4	87.7	5.4	31.5	36.9	1.7
21	16.1	22.6	18.4	91.0	7.7	8.9	16.6	.4
22	15.2	21.0	18.1	86.3	3.3	12.7	16.0	.6
23	15.4	25.8	19.7	83.3	0.0	2.8	2.8	8.5
24	16.6	24.0	19.2	86.3	10.4	14.1	24.5	2.2
25	15.4	22.0	18.2	87.0	2.9	2.3	5.2	.7
26	16.4	24.0	19.0	86.7	.1	13.7	13.8	2.1
27	16.0	22.8	18.6	85.3	.1	2.4	2.5	.8
28	16.0	23.0	18.7	75.3	.2	0.0	.2	3.3
29	15.4	28.0	19.6	74.7	0.0	0.0	0.0	8.4
30	16.4	25.8	19.6	82.3	1.5	0.0	1.5	3.7
31	—	—	—	—	—	—	—	—
Total :	16.0	24.2	19.0	84.6	92.7	208.0	300.7	77.6
Promedio :	16.0	24.2	19.0	84.6	—	—	—	—

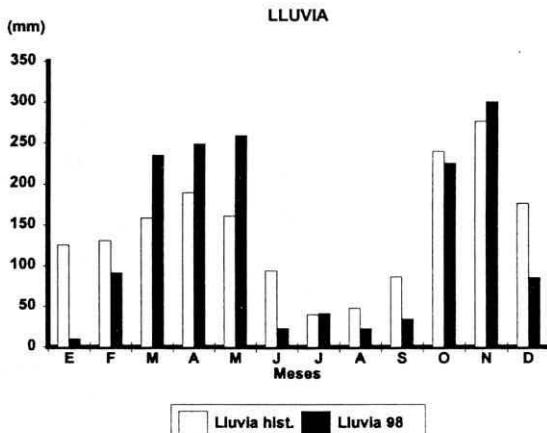
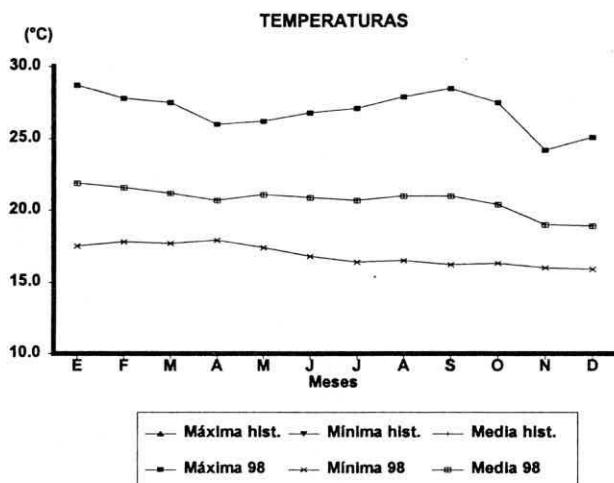
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	25.2	19.2	82.7	0.0	2.0	2.0	—
2	14.4	24.6	18.0	80.3	0.0	0.0	0.0	—
3	14.6	26.2	18.8	78.0	0.0	0.0	0.0	—
4	15.0	25.2	18.7	83.7	2.5	0.0	2.5	—
5	16.0	24.6	18.8	83.7	0.0	3.0	3.0	—
6	17.0	24.2	19.0	87.0	.5	0.0	.5	—
7	16.2	26.8	19.2	73.7	0.0	0.0	0.0	—
8	15.2	28.2	18.9	74.3	0.0	0.0	0.0	—
9	15.0	26.0	19.2	77.7	0.0	0.0	0.0	—
10	15.4	23.6	18.6	85.7	2.0	4.0	6.0	—
11	16.6	24.6	19.0	88.0	3.0	0.0	3.0	—
12	16.4	23.4	18.6	87.0	11.0	0.0	11.0	—
13	16.4	25.0	19.1	87.7	0.0	1.0	1.0	—
14	17.2	25.4	19.1	84.3	0.0	0.0	0.0	—
15	16.8	24.2	19.4	85.7	0.0	0.0	0.0	—
16	16.0	26.4	19.2	81.3	0.0	0.0	0.0	—
17	15.6	24.8	19.1	83.0	0.0	0.0	0.0	—
18	16.4	25.4	19.0	86.7	1.0	18.0	19.0	—
19	15.8	24.6	18.9	84.3	5.0	0.0	5.0	—
20	15.6	25.2	19.2	83.7	0.0	0.0	0.0	—
21	16.0	24.2	18.7	87.7	0.0	0.0	0.0	—
22	16.4	25.6	19.2	80.3	0.0	1.0	1.0	—
23	16.2	24.2	18.8	84.3	0.0	0.0	0.0	—
24	15.8	27.0	19.2	78.3	0.0	0.0	0.0	—
25	15.4	25.0	18.9	80.7	0.0	0.0	0.0	—
26	15.4	24.6	18.8	79.7	0.0	0.0	0.0	—
27	14.8	26.4	18.7	84.0	1.5	0.0	1.5	—
28	15.2	24.8	18.3	86.0	0.0	13.0	13.0	—
29	16.0	22.6	18.4	85.7	0.0	0.0	0.0	—
30	16.4	25.0	19.0	83.0	1.5	12.0	13.5	—
31	16.0	25.0	18.6	87.0	4.0	0.0	4.0	—
Total :	15.9	25.1	18.9	83.1	32.0	54.0	86.0	—
Promedio :	15.9	25.1	18.9	83.1	—	—	—	—

Estación : EL SAUCE  
Año : 1998

Dpto. : NARIÑO  
Mpio. : LA UNION

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

MES	TEMPERATURA °C					PRECIPITACION			
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	17.5	28.7	21.9	32.1	16.5	71.9	10.1	4	186.8
Febrero	17.8	27.8	21.6	33.0	16.0	75.7	92.0	11	112.4
Marzo	17.7	27.5	21.2	31.5	16.5	78.0	235.4	18	118.3
Abril	17.9	26.0	20.7	28.0	17.0	84.1	249.3	27	103.9
Mayo	17.4	26.2	21.1	31.0	15.4	73.9	259.2	18	125.0
Junio	16.8	26.8	20.9	30.2	15.2	74.3	23.1	10	150.6
Julio	16.4	27.1	20.7	30.4	15.0	69.3	41.5	14	127.3
Agosto	16.5	27.9	21.0	30.8	15.0	67.8	22.9	10	156.6
Septiembre	16.2	28.5	21.0	32.8	15.0	68.6	34.9	16	147.4
Octubre	16.3	27.5	20.4	32.8	13.8	72.3	226.1	20	129.8
Noviembre	16.0	24.2	19.0	28.2	15.0	84.6	300.7	27	77.6
Diciembre	15.9	25.1	18.9	28.2	14.4	83.1	86.0	15	150.0
Promedio :	16.9	26.9	20.7			75.3			
Absoluta :				33.0	13.8				
Total :							1581.2	190	1585.7



Estación : OSPINA PEREZ  
Año : 1998

Dpto. : NARIÑO  
Mpio. : CONSACA

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.6	29.4	22.0	68.0	0.0	0.0	0.0	6.9
2	17.5	28.5	23.0	30.0	0.0	0.0	0.0	9.6
3	20.0	28.0	24.2	33.3	0.0	0.0	0.0	8.7
4	18.5	28.5	23.2	49.0	0.0	0.0	0.0	7.7
5	19.8	27.5	23.2	46.0	0.0	0.0	0.0	4.0
6	18.0	25.5	20.8	77.3	.2	.0	.2	.1
7	17.0	27.5	20.4	75.3	0.0	0.0	0.0	7.9
8	16.8	29.5	21.6	74.0	0.0	0.0	0.0	4.8
9	15.5	29.5	21.5	73.3	0.0	0.0	0.0	9.0
10	16.5	30.5	22.3	68.3	0.0	0.0	0.0	9.1
11	16.8	28.8	21.6	71.0	0.0	0.0	0.0	4.1
12	18.0	27.5	21.3	77.3	0.0	0.0	0.0	1.0
13	16.5	26.5	21.0	76.0	0.0	0.0	0.0	2.4
14	15.5	25.9	20.2	73.3	0.0	0.0	0.0	2.3
15	15.5	30.5	22.0	65.0	0.0	0.0	0.0	9.3
16	16.0	28.5	20.6	75.7	0.0	0.0	0.0	5.7
17	17.5	27.5	21.4	71.7	0.0	0.0	0.0	4.5
18	17.0	29.5	21.9	73.7	0.0	0.0	0.0	7.1
19	17.0	31.0	22.7	66.7	0.0	0.0	0.0	8.0
20	16.8	29.8	21.8	74.3	0.0	.2	.2	6.5
21	18.5	29.5	22.0	68.3	0.0	0.0	0.0	4.2
22	18.7	28.5	22.5	67.3	.1	0.0	.1	2.3
23	17.5	32.5	23.4	67.0	0.0	0.0	0.0	8.1
24	16.8	31.0	22.8	64.0	0.0	0.0	0.0	7.3
25	17.9	30.5	22.7	68.0	0.0	0.0	0.0	8.3
26	16.0	28.0	21.6	68.0	0.0	0.0	0.0	4.6
27	17.0	30.5	22.1	67.0	0.0	0.0	0.0	3.8
28	18.0	27.0	21.0	79.3	0.0	0.0	0.0	1.5
29	17.0	29.0	22.1	68.3	0.0	.5	.5	5.6
30	17.5	28.0	21.6	71.7	0.0	0.0	0.0	2.6
31	16.0	29.5	23.2	46.3	0.0	0.0	0.0	4.2
Total :					.3	.7	1.0	171.2
Promedio :	17.2	28.8	22.0	66.3				
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.5	31.0	23.2	59.3	0.0	0.0	0.0	10.1
2	18.5	28.0	22.8	72.7	1.5	0.0	1.5	1.0
3	18.0	31.0	22.8	60.0	0.0	0.0	0.0	2.2
4	17.0	32.1	22.8	64.7	0.0	0.0	0.0	9.4
5	16.5	29.5	21.7	67.7	.1	0.0	.1	2.1
6	16.1	31.5	22.4	66.0	0.0	0.0	0.0	7.7
7	18.0	28.0	22.0	73.7	1.5	6.1	7.6	1.5
8	18.0	24.5	20.1	85.7	2.3	11.7	14.0	.1
9	16.0	24.0	19.4	88.3	3.1	.5	3.6	.9
10	16.8	24.5	19.6	83.7	2.8	0.0	2.8	.2
11	17.0	22.5	19.3	87.3	0.0	0.0	0.0	.1
12	17.5	29.5	21.0	69.7	0.0	0.0	0.0	4.9
13	16.0	29.0	22.0	62.7	0.0	0.0	0.0	5.3
14	17.2	25.5	19.5	84.7	5.0	7.2	12.2	3.3
15	16.5	29.0	21.6	76.7	0.0	0.0	0.0	8.8
16	17.0	31.5	24.5	54.0	0.0	0.0	0.0	8.7
17	17.5	32.0	23.4	61.0	0.0	0.0	0.0	9.7
18	17.2	27.0	21.2	75.3	0.0	0.0	0.0	3.7
19	17.5	28.5	22.0	71.7	0.0	0.0	0.0	4.6
20	17.0	25.0	19.4	86.7	2.5	3.3	5.8	1.7
21	16.2	27.6	21.4	70.7	0.0	.6	.6	6.8
22	16.0	30.0	21.9	69.3	0.0	0.0	0.0	8.9
23	17.0	27.1	21.2	72.7	0.0	0.0	0.0	3.6
24	18.0	26.0	20.5	80.3	0.0	0.0	0.0	.9
25	17.5	30.0	22.1	70.7	0.0	0.0	0.0	7.1
26	17.0	28.0	21.2	68.3	0.0	0.0	0.0	9.2
27	17.5	27.6	21.0	78.0	0.0	0.0	0.0	.8
28	16.8	29.0	22.2	68.3	0.0	.2	.2	2.1
29								
30								
31								
Total :					18.8	29.6	48.4	125.4
Promedio :	17.0	28.2	21.5	72.5				

Estación : OSPINA PEREZ  
Año : 1998

Dpto. : NARIÑO  
Mpio. : CONSACA

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.5	28.6	20.2	82.0	2.5	4.0	6.5	0.0
2	17.0	26.0	19.8	80.7	0.0	0.0	0.0	4.3
3	16.0	30.0	22.2	68.0	0.0	0.0	0.0	8.0
4	17.5	25.0	21.6	61.3	0.0	0.0	0.0	2.7
5	16.5	29.0	20.7	75.0	0.0	0.0	0.0	2.6
6	17.5	27.0	21.7	68.3	0.0	0.0	0.0	1.9
7	18.0	25.0	20.1	85.3	1.5	2.9	4.4	.6
8	16.0	27.0	20.8	71.3	0.0	0.0	0.0	2.0
9	16.5	27.5	21.4	70.0	2.6	0.0	2.6	5.8
10	16.5	26.5	20.8	74.0	0.0	.2	.2	2.9
11	16.4	28.0	21.1	73.3	.8	.5	1.3	4.2
12	17.5	29.0	22.0	73.3	.6	0.0	.6	6.2
13	18.0	28.2	21.6	74.3	0.0	0.0	0.0	4.7
14	16.2	29.0	20.8	68.7	0.0	1.9	1.9	5.0
15	17.5	28.0	21.2	76.7	0.0	0.0	0.0	4.4
16	16.5	25.5	20.7	70.7	0.0	0.0	0.0	.2
17	18.0	28.0	21.7	74.7	.1	0.0	.1	2.6
18	16.9	30.0	23.4	57.3	0.0	0.0	0.0	2.3
19	17.0	29.8	23.0	64.0	0.0	0.0	0.0	4.3
20	18.0	23.5	19.8	86.0	0.0	.3	.3	0.0
21	17.0	28.0	21.6	68.7	.2	0.0	.2	4.3
22	17.2	30.5	22.7	64.3	0.0	0.0	0.0	5.1
23	17.0	27.0	19.6	74.7	0.0	.1	.1	1.0
24	17.1	29.5	20.6	93.3	7.9	0.0	7.9	4.1
25	17.0	28.5	22.1	66.3	0.0	0.0	0.0	4.4
26	16.5	29.5	22.1	65.3	0.0	0.0	0.0	4.3
27	17.5	30.0	21.6	76.0	8.0	6.4	14.4	5.2
28	16.5	26.7	20.1	83.0	21.3	3.9	25.2	5.2
29	17.5	24.5	19.8	92.0	9.7	2.5	12.2	1.1
30	17.2	26.0	20.8	81.3	0.0	5.7	5.7	1.3
31	16.8	28.4	21.7	77.7	0.0	11.1	11.1	4.1
Total :					55.2	39.5	94.7	
Promedio :	17.0	27.7	21.2	74.1				104.8

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	27.0	21.1	82.7	.3	0.0	.3	1.6
2	17.5	26.5	20.7	81.7	1.7	2.4	4.1	3.7
3	17.0	24.5	19.4	90.7	6.5	0.0	6.5	1.5
4	16.5	25.5	21.2	81.7	3.5	.2	3.7	3.1
5	17.0	26.0	20.6	82.7	3.1	0.0	3.1	3.6
6	17.5	26.5	20.8	83.3	1.2	11.2	12.4	5.2
7	17.8	26.0	21.4	83.3	.5	2.5	3.0	3.8
8	18.0	26.0	20.7	85.3	.7	.4	1.1	2.7
9	17.5	25.5	20.2	81.3	5.9	0.0	5.9	.5
10	16.1	25.0	19.6	82.0	2.9	0.0	2.9	3.3
11	16.0	25.1	19.3	85.0	2.8	0.0	2.8	3.9
12	17.5	27.5	21.3	78.7	0.0	0.0	0.0	2.9
13	17.5	26.0	20.6	82.7	.3	.1	.4	1.6
14	18.0	28.7	21.6	78.0	1.0	8.1	9.1	1.7
15	17.0	28.0	22.2	74.0	0.0	1.9	1.9	6.5
16	17.5	29.0	22.2	75.3	0.0	20.2	20.2	7.8
17	18.0	27.0	19.6	86.7	28.1	0.0	28.1	5.0
18	16.3	25.5	20.8	86.0	.8	11.2	12.0	3.2
19	17.0	23.0	19.5	94.0	1.2	4.6	5.8	0.0
20	16.8	25.5	20.8	82.7	.8	0.0	.8	5.0
21	18.0	24.5	20.6	87.7	3.7	0.0	3.7	2.0
22	17.5	28.0	22.0	84.0	.8	1.3	2.1	7.8
23	18.5	22.0	19.8	94.0	1.1	0.0	1.1	.5
24	16.5	26.0	20.5	82.3	0.0	1.3	1.3	5.8
25	17.5	27.0	20.5	90.7	5.6	0.0	5.6	5.4
26	16.0	24.5	19.9	80.0	0.0	33.8	33.8	2.9
27	17.0	27.5	21.3	78.7	.3	32.8	33.1	5.6
28	17.5	26.0	20.4	82.0	9.9	5.7	15.6	7.6
29	17.4	26.2	20.4	85.7	21.2	.7	21.9	1.4
30	17.8	24.7	20.2	88.3	.5	3.0	3.5	2.5
31								
Total :					104.4	141.4	245.8	
Promedio :	17.3	26.0	20.6	83.7				108.1

Estación : OSPINA PEREZ  
Año : 1998

Dpto. : NARIÑO  
Mpio. : CONSACA

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

Mayo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.2	26.8	20.2	83.3	0.0	0.0	0.0	4.1
2	16.8	25.4	19.8	81.3	8.5	4.7	13.2	2.4
3	17.0	22.0	18.9	90.0	26.8	1.7	28.5	.4
4	16.0	20.8	18.2	84.3	1.7	0.0	1.7	0.0
5	15.8	23.2	18.8	87.0	11.8	19.8	31.6	1.4
6	15.6	21.0	18.4	80.3	1.5	0.0	1.5	0.0
7	14.8	26.0	20.2	75.0	0.0	.5	.5	6.7
8	16.0	26.0	20.6	81.7	0.0	13.0	13.0	5.4
9	17.0	24.2	20.3	66.7	1.9	0.0	1.9	0.0
10	15.6	25.6	19.9	83.3	.7	0.0	.7	3.5
11	16.8	23.0	19.5	85.0	2.5	2.1	4.6	1.5
12	17.0	24.4	19.7	80.0	1.9	0.0	1.9	5.2
13	16.4	30.0	23.2	51.3	0.0	.5	.5	9.9
14	16.8	28.2	21.6	76.3	0.0	0.0	0.0	5.6
15	17.8	28.0	21.3	70.0	0.0	0.0	0.0	.3
16	18.0	29.2	22.7	57.3	0.0	0.0	0.0	7.9
17	16.8	27.6	21.4	73.3	0.0	0.0	0.0	2.7
18	18.2	27.8	23.7	34.0	0.0	0.0	0.0	6.6
19	17.8	29.8	23.6	40.0	0.0	0.0	0.0	9.8
20	17.2	30.6	22.9	49.3	0.0	0.0	0.0	10.0
21	16.4	30.4	21.8	67.7	0.0	0.0	0.0	8.2
22	16.8	28.6	22.1	56.0	0.0	0.0	0.0	5.5
23	16.4	29.6	22.2	60.0	0.0	0.0	0.0	6.5
24	17.8	26.4	21.3	74.3	0.0	0.0	0.0	1.8
25	17.2	27.4	20.8	80.0	0.0	2.2	2.2	2.1
26	17.8	23.2	19.8	91.7	9.4	15.1	24.5	.2
27	16.2	23.5	18.6	89.7	8.2	20.2	28.4	2.6
28	16.0	21.2	18.0	90.0	12.1	8.8	20.9	.3
29	15.8	21.6	18.2	89.7	.5	0.0	.5	.4
30	15.6	23.0	19.0	84.3	1.8	0.0	1.8	2.3
31	16.1	25.3	19.6	84.7	2.2	14.6	16.8	3.0
Total :					91.5	103.2	194.7	116.3
Promedio :	16.7	25.8	20.5	74.1				

Junio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.2	25.6	20.0	81.3	.1	.1	.2	2.7
2	16.4	23.0	19.6	82.0	.4	0.0	.4	.6
3	16.6	27.2	21.0	71.7	0.0	0.0	0.0	5.6
4	15.2	25.4	19.7	76.7	.1	.1	.2	5.0
5	16.2	26.2	21.2	60.0	0.0	0.0	0.0	5.5
6	15.8	24.5	19.9	72.0	0.0	0.0	0.0	5.9
7	15.2	25.0	19.7	75.0	0.0	.6	.6	4.3
8	17.2	23.0	18.8	91.3	1.1	0.0	1.1	1.5
9	15.4	26.8	20.1	70.0	22.2	0.0	22.2	5.8
10	15.2	26.8	20.1	70.3	0.0	0.0	0.0	4.5
11	15.4	26.8	19.5	72.0	2.4	.2	2.6	3.7
12	16.2	25.6	20.2	75.0	0.0	0.0	0.0	4.5
13	18.0	28.0	23.6	36.0	0.0	0.0	0.0	6.9
14	15.6	26.0	20.2	68.3	0.0	0.0	0.0	2.6
15	16.6	23.4	19.3	76.7	0.0	0.0	0.0	0.0
16	14.9	24.0	19.2	77.0	0.0	0.0	0.0	5.6
17	14.0	27.6	19.2	66.0	0.0	0.0	0.0	3.2
18	14.8	24.6	19.1	75.7	.3	.8	1.1	3.2
19	16.2	27.2	20.4	78.0	0.0	0.0	0.0	6.3
20	16.4	25.0	19.6	79.7	0.0	0.0	0.0	2.5
21	15.6	24.2	18.7	85.3	.9	.1	1.0	.5
22	15.2	23.8	19.0	84.3	19.2	.2	19.4	3.9
23	16.0	25.2	19.5	81.7	0.0	0.0	0.0	2.9
24	14.8	26.4	19.8	75.0	0.0	0.0	0.0	6.2
25	16.2	28.2	20.7	70.7	0.0	0.0	0.0	4.9
26	16.9	26.0	20.4	76.3	7.2	0.0	7.2	4.3
27	16.4	26.8	20.2	76.7	0.0	0.0	0.0	3.9
28	16.8	24.4	19.7	80.0	3.7	0.0	3.7	2.6
29	14.8	25.6	21.0	52.7	0.0	0.0	0.0	2.5
30	15.2	28.2	21.5	43.3	0.0	0.0	0.0	10.0
31								
Total :					57.6	2.1	59.7	121.6
Promedio :	15.8	25.7	20.0	72.7				

Estación : OSPINA PEREZ  
Año : 1998

Dpto. : NARIÑO  
Mpio. : CONSACA

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

Julio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.2	27.4	22.0	43.7	0.0	0.0	0.0	6.1
2	16.8	28.8	21.1	67.7	.2	.1	.3	6.0
3	16.4	24.6	19.2	85.3	2.4	0.0	2.4	1.8
4	14.4	24.8	19.0	73.3	3.3	26.9	30.2	4.3
5	15.4	24.4	18.5	83.0	.2	3.3	3.5	1.8
6	15.0	26.2	20.1	63.0	0.0	0.0	0.0	2.9
7	14.2	25.2	19.0	76.0	0.0	0.0	0.0	3.8
8	13.6	24.0	18.6	76.3	.4	2.8	3.2	1.4
9	16.4	23.2	18.4	85.0	2.0	2.5	4.5	2.2
10	15.4	26.6	19.2	73.3	.9	.3	1.2	7.2
11	15.9	25.6	19.6	77.7	2.0	1.0	3.0	4.4
12	15.6	24.0	19.8	80.3	.3	0.0	.3	3.3
13	15.0	28.8	21.0	55.7	0.0	0.0	0.0	7.1
14	14.8	28.8	19.9	55.7	0.0	0.0	0.0	5.4
15	13.8	25.6	19.4	65.0	0.0	0.0	0.0	5.0
16	15.0	25.4	18.8	80.0	0.0	0.0	0.0	4.4
17	15.2	23.8	18.0	87.3	1.2	.2	1.4	2.6
18	15.0	23.5	19.0	74.7	0.0	0.0	0.0	2.5
19	15.4	26.4	19.2	78.0	.1	2.0	2.1	2.2
20	15.8	26.2	22.0	45.0	1.6	0.0	1.6	1.6
21	16.2	26.6	20.1	64.0	0.0	0.0	0.0	4.8
22	15.8	25.2	19.4	80.3	0.0	2.9	2.9	4.1
23	15.4	25.0	19.0	79.7	0.0	0.0	0.0	2.8
24	14.2	23.6	18.4	78.3	.6	0.0	.6	1.5
25	15.4	25.2	18.8	80.3	0.0	0.0	0.0	2.8
26	15.2	28.8	22.2	43.7	0.0	0.0	0.0	8.0
27	14.8	27.9	20.2	63.0	0.0	0.0	0.0	7.9
28	15.0	27.0	20.6	70.0	0.0	0.0	0.0	5.7
29	14.9	26.0	21.3	59.7	1.9	0.0	1.9	2.5
30	15.4	26.8	21.2	47.7	0.0	0.0	0.0	6.2
31	15.2	27.8	21.2	51.7	0.0	0.0	0.0	6.2
Total :					17.1	42.0	59.1	128.5
Promedio :	15.2	25.9	19.8	69.2				

Agosto	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.8	27.9	22.2	44.3	0.0	0.0	0.0	3.7
2	17.8	28.6	22.6	45.3	0.0	0.0	0.0	5.3
3	16.9	28.8	21.6	56.0	0.0	.8	.8	7.1
4	16.1	27.2	20.0	72.7	0.0	3.7	3.7	3.9
5	16.2	25.2	19.2	80.3	.5	0.0	.5	4.4
6	15.2	21.9	17.4	89.3	2.7	0.0	2.7	1.6
7	14.8	22.3	18.6	78.3	0.0	1.5	1.5	5.7
8	13.8	26.2	18.4	74.0	1.5	0.0	1.5	7.8
9	14.2	29.2	20.3	65.3	.1	0.0	.1	9.4
10	14.1	28.6	20.2	64.0	1.5	4.4	5.9	7.3
11	15.8	28.2	21.9	47.7	0.0	0.0	0.0	2.5
12	14.8	26.0	18.7	74.3	0.0	0.0	0.0	2.6
13	15.2	26.4	19.1	74.7	0.0	0.0	0.0	2.6
14	13.0	23.2	18.2	76.3	0.0	0.0	0.0	4.3
15	13.6	26.8	18.5	67.7	0.0	0.0	0.0	6.2
16	14.0	27.2	20.0	64.0	0.0	0.0	0.0	6.2
17	16.0	25.2	19.3	78.0	0.0	0.0	0.0	3.2
18	15.9	26.2	20.2	70.7	0.0	0.0	0.0	6.1
19	15.4	27.0	18.8	71.3	5.9	0.0	5.9	6.0
20	14.8	26.2	19.1	74.0	2.9	0.0	2.9	7.0
21	15.4	26.4	19.8	75.3	0.0	0.0	0.0	6.7
22	17.0	27.2	22.0	34.0	0.0	0.0	0.0	8.3
23	15.0	28.8	21.0	58.7	0.0	0.0	0.0	7.5
24	14.8	27.2	20.4	65.0	0.0	0.0	0.0	1.2
25	16.1	24.2	19.2	77.7	1.8	1.5	3.3	1.0
26	16.7	23.8	19.2	81.0	0.0	0.0	0.0	2.2
27	15.2	25.2	19.3	73.3	0.0	0.0	0.0	3.8
28	15.8	28.8	20.9	69.3	0.0	0.0	0.0	4.9
29	16.0	27.8	20.4	62.0	0.0	1.1	1.1	3.4
30	15.4	27.2	20.3	68.3	0.0	0.0	0.0	1.9
31	15.9	24.6	19.6	68.0	0.0	0.0	0.0	144.6
Total :					16.9	13.0	29.9	
Promedio :	15.3	26.4	19.9	67.8				

Estación : OSPINA PEREZ  
Año : 1998

Dpto. : NARIÑO  
Mpio. : CONSACA

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.0	29.8	21.6	43.3	0.0	0.0	0.0	7.8
2	13.1	29.4	19.8	56.7	0.0	0.0	0.0	6.3
3	16.2	26.2	18.7	79.3	0.0	0.0	0.0	1.2
4	14.8	26.1	19.2	73.3	3.3	.2	3.5	4.4
5	15.8	28.2	20.4	74.0	0.0	0.0	0.0	4.7
6	15.4	26.9	19.7	70.0	.5	1.0	1.5	5.3
7	13.8	27.1	19.7	67.3	0.0	0.0	0.0	7.8
8	16.5	24.0	19.0	78.7	.9	7.1	8.0	3.6
9	15.8	25.0	19.2	79.0	18.0	0.0	18.0	2.0
10	16.0	22.0	18.6	83.3	0.0	1.5	1.5	.7
11	16.1	27.5	20.4	67.0	3.0	4.0	7.0	5.1
12	15.0	26.0	19.0	73.3	3.2	6.2	9.4	5.6
13	15.5	27.0	20.6	71.7	0.0	0.0	0.0	6.3
14	16.0	28.6	20.5	70.3	0.0	0.0	0.0	6.8
15	15.8	28.0	20.4	56.7	0.0	0.0	0.0	1.0
16	15.1	30.0	21.4	60.0	0.0	0.0	0.0	6.0
17	14.8	28.9	20.6	66.3	7.8	0.0	7.8	7.3
18	15.1	27.1	19.8	72.7	5.6	0.0	5.6	5.1
19	15.2	24.9	19.8	74.7	0.0	0.0	0.0	2.8
20	15.5	26.9	20.8	71.0	.3	.3	.6	5.1
21	17.0	25.4	20.6	75.0	.2	.2	.4	3.7
22	16.8	25.0	20.2	75.7	.3	15.2	15.5	2.1
23	16.0	27.1	20.2	75.3	0.0	0.0	0.0	6.7
24	15.1	27.0	20.8	65.3	0.0	0.0	0.0	9.4
25	14.9	26.4	20.0	66.3	0.0	0.0	0.0	2.5
26	16.2	23.2	19.5	75.3	1.5	2.2	3.7	2.0
27	14.8	27.9	19.8	71.0	3.4	0.0	3.4	6.1
28	15.0	27.0	19.4	71.7	.6	0.0	.6	8.3
29	15.1	30.0	20.8	68.0	0.0	.8	.8	8.8
30	17.0	27.2	22.6	39.7	0.0	0.0	0.0	2.1
31								
Total :					48.6	38.7	87.3	146.6
Promedio :	15.4	26.9	20.1	69.1				

Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	29.1	21.8	57.3	0.0	0.0	0.0	3.8
2	16.0	28.9	21.8	57.0	0.0	0.0	0.0	6.9
3	15.8	26.2	19.9	76.7	0.0	0.0	0.0	1.5
4	13.9	29.9	21.9	61.7	0.0	0.0	0.0	9.8
5	16.0	27.1	21.2	65.7	2.4	0.0	2.4	5.7
6	15.8	25.2	20.0	70.0	0.0	0.0	0.0	3.6
7	17.1	26.0	20.0	80.0	0.0	0.0	0.0	4.2
8	17.1	26.8	20.2	72.3	0.0	0.0	0.0	.5
9	16.1	28.0	22.0	53.7	0.0	0.0	0.0	3.4
10	20.7	30.1	24.5	29.3	0.0	0.0	0.0	8.9
11	15.0	28.9	21.5	61.7	0.0	0.0	0.0	7.4
12	13.8	29.0	19.9	71.0	1.1	0.0	1.1	8.9
13	16.0	28.3	20.0	67.3	.4	0.0	.4	6.3
14	14.8	28.2	20.1	68.7	.4	11.7	12.1	1.6
15	16.2	24.0	19.3	79.0	2.3	0.0	2.3	2.4
16	16.0	27.0	20.5	70.7	0.0	0.0	0.0	2.3
17	15.9	26.0	18.8	80.7	7.9	16.9	24.8	2.0
18	16.0	24.1	19.2	82.3	1.3	4.3	5.6	1.4
19	15.8	23.2	18.5	85.0	2.5	0.0	2.5	.6
20	15.1	25.4	19.0	79.7	.1	0.0	.1	3.4
21	16.1	26.0	19.7	81.7	1.4	.2	1.6	4.5
22	17.0	26.2	19.4	81.0	.7	.7	1.4	3.3
23	14.8	22.4	17.6	89.3	3.6	1.2	4.8	1.8
24	14.9	25.1	18.4	70.7	.7	3.2	3.9	3.7
25	15.7	26.1	19.1	78.0	.4	1.3	1.7	3.9
26	16.8	24.9	18.7	82.0	5.9	0.0	5.9	0.0
27	15.2	25.7	19.6	67.3	0.0	.7	.7	6.5
28	15.9	25.6	19.2	79.3	1.1	10.4	11.5	3.2
29	16.4	26.4	20.1	79.0	0.0	0.0	0.0	4.4
30	17.0	25.5	19.8	80.7	0.0	0.0	0.0	3.4
31	16.9	25.1	19.9	78.3	4.5	18.0	22.5	4.3
Total :					36.7	68.6	105.3	123.6
Promedio :	16.0	26.5	20.1	72.2				

Estación : OSPINA PEREZ  
Año : 1998

Dpto. : NARIÑO  
Mpio. : CONSACA

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

Noviembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.2	25.2	19.3	82.3	0.0	5.7	5.7	1.4
2	16.3	24.6	19.5	82.0	2.8	.7	3.5	1.4
3	15.9	24.4	19.2	80.7	.3	6.9	7.2	4.1
4	16.1	24.6	19.2	79.0	0.0	6.1	6.1	2.2
5	16.2	23.9	18.5	84.7	29.1	8.1	37.2	1.7
6	14.8	24.0	18.2	84.7	8.0	.1	8.1	2.5
7	16.1	23.0	18.4	82.3	.7	8.2	8.9	.5
8	16.2	23.1	19.4	81.0	.2	.1	.3	.8
9	16.0	25.9	19.8	77.0	0.0	5.9	5.9	8.0
10	15.0	24.0	19.1	81.7	1.0	37.2	38.2	3.6
11	15.9	24.8	20.1	76.7	0.0	3.6	3.6	5.4
12	16.2	24.9	19.8	79.0	.7	.8	1.5	5.0
13	16.7	26.2	19.8	77.3	0.0	5.5	5.5	6.4
14	16.9	25.2	19.4	80.0	0.0	1.7	1.7	3.6
15	17.0	24.0	19.3	82.3	20.1	1.0	21.1	2.0
16	16.7	25.1	19.4	80.3	1.7	0.0	1.7	3.9
17	16.9	22.9	18.3	86.0	9.4	1.3	10.7	2.8
18	16.0	23.0	18.4	85.0	0.0	0.0	0.0	1.1
19	14.9	23.2	18.0	82.3	0.0	5.6	5.6	3.4
20	16.0	25.0	18.9	81.3	1.0	6.3	7.3	2.7
21	15.6	22.1	18.4	85.0	.7	5.9	6.6	1.6
22	15.1	21.9	17.7	87.0	0.0	1.7	1.7	.8
23	15.5	25.9	19.0	76.7	2.9	9.2	12.1	5.7
24	16.9	23.4	19.1	83.3	0.0	0.0	0.0	4.9
25	16.0	23.0	18.0	86.7	.9	.6	1.5	2.0
26	15.7	24.0	18.4	81.3	0.0	3.0	3.0	3.7
27	15.6	23.3	18.2	81.0	0.0	1.1	1.1	3.7
28	15.2	25.0	18.6	77.3	0.0	4.5	4.5	5.2
29	15.0	25.3	19.8	72.7	0.0	5.7	5.7	9.2
30	15.8	24.2	18.8	74.3	0.0	0.0	0.0	3.4
31								
Total :					79.5	136.5	216.0	102.5
Promedio :	15.9	24.2	18.9	81.0				

Diciembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.7	23.1	18.4	78.0	.4	0.0	.4	3.3
2	14.8	24.9	18.8	74.3	0.0	0.0	0.0	5.5
3	13.8	25.9	19.2	70.0	0.0	0.0	0.0	9.8
4	13.6	25.1	18.4	72.3	0.0	0.0	0.0	6.0
5	15.0	25.2	18.4	77.7	9.7	2.1	11.8	5.0
6	15.9	25.0	18.7	79.0	6.4	.8	7.2	5.6
7	15.5	26.0	19.2	71.0	0.0	0.0	0.0	6.2
8	15.0	26.2	19.8	73.3	0.0	0.0	0.0	8.2
9	14.1	27.1	19.2	70.3	0.0	0.0	0.0	8.0
10	15.6	24.3	18.4	77.0	.7	36.9	37.6	4.4
11	15.9	24.0	18.5	83.0	7.9	2.2	10.1	3.5
12	15.8	24.0	18.4	79.3	1.3	9.7	11.0	3.8
13	15.5	22.3	18.0	85.0	.8	0.0	.8	3.1
14	16.1	24.1	18.8	80.3	0.0	.6	.6	1.9
15	16.3	22.1	18.6	86.0	0.0	0.0	0.0	1.0
16	15.1	23.0	17.6	80.7	0.0	0.0	0.0	4.0
17	13.2	24.4	17.8	75.3	0.0	.3	.3	5.8
18	15.9	24.0	19.2	78.3	1.2	49.4	50.6	2.7
19	15.2	25.9	19.0	76.3	0.0	16.5	16.5	7.5
20	16.0	25.0	18.7	78.0	0.0	2.1	2.1	7.5
21	15.1	24.0	18.2	83.7	.2	0.0	.2	5.2
22	15.1	25.1	18.7	76.3	0.0	.6	.6	8.0
23	16.2	24.8	19.2	77.0	0.0	0.0	0.0	4.7
24	14.7	26.2	19.2	71.7	0.0	0.0	0.0	9.3
25	13.9	25.2	19.1	70.7	0.0	0.0	0.0	8.5
26	14.0	25.0	19.0	68.0	0.0	.6	.6	8.8
27	14.1	24.9	18.7	69.7	.7	0.0	.7	6.4
28	14.8	24.8	18.8	77.0	.3	3.7	4.0	6.6
29	15.2	24.3	18.6	79.0	.1	0.0	.1	2.5
30	15.8	25.1	19.3	77.7	.6	3.8	4.4	4.4
31	15.1	23.8	17.9	83.7	9.3	5.5	14.8	.8
Total :					39.6	134.8	174.4	167.6
Promedio :	15.1	24.7	18.7	76.8				

Estación : OSPINA PEREZ  
Año : 1998

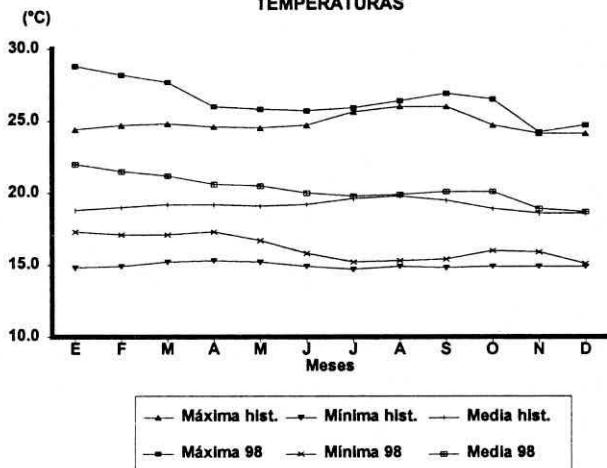
Dpto.: NARIÑO  
Mpio.: CONSACA

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

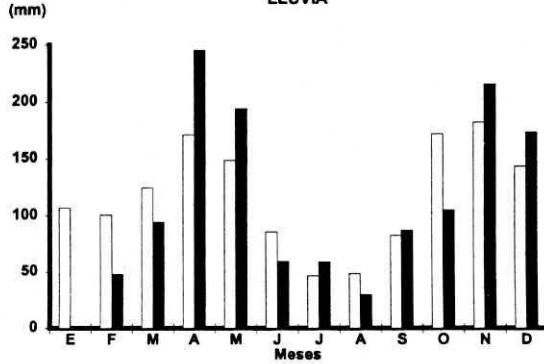
#### TEMPERATURA °C

MES	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	PRECIPITACION		
							Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	17.3	28.8	22.0	32.5	15.5	66.3	1.0	4	171.2
Febrero	17.1	28.2	21.5	32.1	15.5	72.5	48.4	10	125.4
Marzo	17.1	27.7	21.2	30.5	16.0	74.1	94.7	17	104.8
Abril	17.3	26.0	20.6	29.0	16.0	83.7	245.8	29	108.1
Mayo	16.7	25.8	20.5	30.6	14.8	74.1	194.7	19	116.3
Junio	15.8	25.7	20.0	28.2	14.0	72.7	59.7	12	121.6
Julio	15.2	25.9	19.8	28.8	13.6	69.2	59.1	15	128.5
Agosto	15.3	26.4	19.9	29.2	13.0	67.8	29.9	12	144.6
Septiembre	15.4	26.9	20.1	30.0	13.1	69.1	87.3	16	146.6
Octubre	16.0	26.5	20.1	30.1	13.8	72.2	105.3	18	123.6
Noviembre	15.9	24.2	18.9	26.2	14.8	81.0	216.0	27	102.5
Diciembre	15.1	24.7	18.7	27.1	13.2	76.8	174.4	20	167.6
Promedio :	16.2	26.4	20.3			73.3			
Absoluta :				32.5	13.0				
Total :							1316.3	199	1560.8

#### TEMPERATURAS



#### LLUVIA



Estación : GABRIEL MARIA BARRIGA  
Año : 1998

Dpto. : NORTE SANTANDER  
Mpio. : CONVENTION

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

Enero	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.5	20.5	17.7	93.3	.2	0.0	.2	.3
2	16.2	25.8	19.7	81.0	0.0	0.0	0.0	7.3
3	15.0	27.0	20.9	77.3	0.0	0.0	0.0	7.7
4	15.5	27.0	21.0	80.7	0.0	0.0	0.0	8.0
5	16.0	28.0	21.9	79.0	0.0	0.0	0.0	9.7
6	17.5	29.5	22.4	79.3	0.0	0.0	0.0	7.2
7	19.0	28.0	22.3	79.0	0.0	0.0	0.0	3.1
8	18.5	27.5	22.0	80.3	0.0	0.0	0.0	6.7
9	17.9	26.0	21.5	83.7	0.0	0.0	0.0	3.7
10	18.0	23.0	20.5	87.3	0.0	0.0	0.0	.5
11	17.5	26.8	21.3	84.0	0.0	0.0	0.0	5.1
12	18.8	25.5	21.0	87.0	0.0	0.0	0.0	.9
13	17.5	25.0	20.1	87.3	0.0	1.1	1.1	1.4
14	17.0	18.4	18.1	94.0	0.0	0.0	0.0	0.0
15	15.0	25.5	20.0	87.0	0.0	0.0	0.0	4.9
16	17.5	27.5	21.7	79.7	0.0	0.0	0.0	8.2
17	18.0	28.0	22.4	80.3	0.0	0.0	0.0	7.4
18	18.0	26.5	21.1	83.0	0.0	0.0	0.0	5.5
19	17.5	26.5	20.8	83.0	0.0	0.0	0.0	5.0
20	17.8	27.4	21.2	81.3	0.0	0.0	0.0	6.1
21	19.0	27.0	21.3	84.3	0.0	0.0	0.0	4.9
22	18.4	27.0	21.5	81.7	0.0	0.0	0.0	5.0
23	18.7	27.0	21.8	80.0	0.0	0.0	0.0	7.2
24	18.0	28.0	21.9	76.7	0.0	0.0	0.0	7.3
25	17.0	27.9	21.8	77.7	0.0	0.0	0.0	6.6
26	17.5	29.5	22.4	73.0	0.0	0.0	0.0	8.2
27	16.5	30.8	22.8	70.3	0.0	0.0	0.0	9.2
28	17.5	29.5	23.0	71.0	0.0	0.0	0.0	8.9
29	18.9	28.0	23.1	73.3	0.0	0.0	0.0	6.5
30	18.5	30.0	22.2	80.7	2.0	0.0	2.0	2.7
31	19.0	29.5	23.6	80.7	0.0	0.0	0.0	3.5
Total :					2.2	1.1	3.3	168.7
Promedio :	17.5	26.9	21.4	81.2				

Febrero	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	26.0	21.5	82.7	0.0	0.0	0.0	1.0
2	20.2	30.0	23.8	78.7	0.0	0.0	0.0	5.9
3	19.0	30.2	23.8	78.3	0.0	0.0	0.0	9.2
4	19.1	29.0	23.3	80.3	0.0	1.5	1.5	3.0
5	19.2	22.0	20.0	91.7	0.0	.7	.7	0.0
6	19.0	24.5	21.0	90.7	.9	0.0	.9	.4
7	18.9	29.5	23.0	79.0	.5	7.2	7.7	1.3
8	18.9	23.0	20.2	93.3	1.6	17.4	19.0	0.0
9	17.0	24.0	19.4	91.0	.7	13.8	14.5	1.1
10	16.8	18.5	17.6	94.0	3.9	2.3	6.2	0.0
11	17.0	18.5	17.5	95.3	.2	1.6	1.8	0.0
12	17.1	25.0	19.3	90.3	0.0	0.0	0.0	4.2
13	18.2	20.0	18.8	94.3	0.0	0.0	0.0	0.0
14	17.5	28.0	21.5	84.3	0.0	0.0	0.0	5.9
15	19.0	28.5	21.6	83.3	0.0	0.0	0.0	5.4
16	19.0	29.0	22.8	80.3	0.0	0.0	0.0	9.3
17	17.5	30.5	22.9	80.3	0.0	0.0	0.0	9.1
18	17.0	29.5	23.0	74.7	0.0	0.0	0.0	7.9
19	19.0	28.0	22.4	78.7	0.0	0.0	0.0	7.9
20	18.8	27.0	21.8	81.3	0.0	0.0	0.0	6.4
21	17.0	27.2	21.0	79.3	0.0	0.0	0.0	6.2
22	17.1	27.0	21.3	82.0	0.0	0.0	0.0	6.4
23	17.5	30.0	21.9	79.7	.4	0.0	.4	6.6
24	19.5	29.5	23.2	76.3	0.0	1.7	1.7	4.0
25	16.5	27.5	21.2	68.3	0.0	0.0	0.0	7.9
26	18.0	26.0	20.7	88.7	0.0	0.0	0.0	6.3
27	18.5	28.5	22.3	78.3	0.0	0.0	0.0	6.5
28	17.5	28.0	22.2	80.3	0.0	0.0	0.0	6.2
29								
30								
31								
Total :					8.2	46.2	54.4	128.1
Promedio :	18.1	26.6	21.4	83.4				

Estación : GABRIEL MARIA BARRIGA  
Año : 1998

Dpto. : NORTE SANTANDER  
Mpio. : CONVENCION

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

Marzo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.5	28.8	22.5	81.7	0.0	0.0	0.0	6.5
2	17.5	28.0	22.8	68.7	0.0	0.0	0.0	6.7
3	17.4	30.0	23.2	78.3	0.0	0.0	0.0	4.8
4	19.5	29.5	23.1	75.3	0.0	0.0	0.0	5.4
5	18.0	28.0	21.5	82.3	4.7	0.0	4.7	3.0
6	18.5	26.5	22.0	86.7	0.0	0.0	0.0	3.5
7	19.0	27.5	22.6	83.0	0.0	0.0	0.0	4.0
8	19.0	28.5	23.4	78.0	0.0	0.0	0.0	7.7
9	18.5	29.8	23.6	77.3	0.0	0.0	0.0	7.1
10	19.5	29.0	22.6	77.7	0.0	0.0	0.0	8.0
11	18.5	26.4	21.2	79.7	0.0	0.0	0.0	4.8
12	16.4	19.5	18.0	91.3	0.0	0.0	0.0	0.0
13	17.0	24.5	20.2	79.3	0.0	0.0	0.0	3.0
14	17.5	26.0	20.8	75.7	0.0	0.0	0.0	5.5
15	17.0	26.5	21.1	82.0	0.0	.2	.2	4.7
16	17.1	27.6	21.4	83.3	0.0	0.0	0.0	3.8
17	16.0	28.2	21.5	72.7	0.0	0.0	0.0	7.4
18	17.0	28.0	22.1	77.7	0.0	0.0	0.0	5.7
19	19.0	29.5	23.2	76.7	0.0	0.0	0.0	6.0
20	19.2	30.0	23.6	75.7	0.0	0.0	0.0	4.7
21	18.5	29.5	21.8	79.7	1.6	0.0	1.6	2.0
22	18.5	28.5	23.4	81.3	0.0	0.0	0.0	3.4
23	19.5	26.0	22.3	77.0	0.0	0.0	0.0	2.4
24	18.5	27.5	22.0	82.7	0.0	0.0	0.0	5.9
25	19.5	25.5	21.7	86.0	0.0	0.0	0.0	.1
26	18.0	20.5	18.9	93.3	0.0	0.0	0.0	0.0
27	18.5	24.5	21.0	86.7	0.0	0.0	0.0	.4
28	19.0	29.5	23.0	79.0	0.0	.2	.2	4.1
29	18.5	27.5	21.4	83.0	.2	1.5	1.7	5.3
30	19.0	24.5	21.2	86.3	0.0	.3	.3	.1
31	18.8	27.5	22.2	79.7	.5	0.0	.5	4.8
Total :					7.0	2.2	9.2	
Promedio :	18.3	27.2	21.9	80.6				130.8

Abril	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.5	29.5	22.7	79.0	0.0	0.0	0.0	5.7
2	19.2	27.5	22.3	84.0	.4	0.0	.4	1.6
3	19.6	27.0	21.5	88.7	.1	0.0	.1	.5
4	18.5	28.0	21.7	83.3	11.8	1.4	13.2	2.8
5	18.3	29.5	22.6	79.7	0.0	0.0	0.0	3.8
6	20.5	29.2	23.2	79.7	0.0	.7	.7	4.5
7	19.5	30.5	23.7	80.7	0.0	6.2	6.2	5.2
8	18.5	25.5	21.6	92.7	0.0	1.1	1.1	1.9
9	19.5	28.0	22.4	85.3	0.0	0.0	0.0	3.7
10	20.5	28.0	22.6	82.7	0.0	0.0	0.0	5.3
11	18.0	28.5	22.4	79.3	0.0	0.0	0.0	2.4
12	18.5	27.0	20.8	90.7	8.3	.2	8.5	2.5
13	19.0	24.0	20.2	94.7	2.6	3.8	6.4	.2
14	18.8	24.0	20.2	92.7	0.0	0.0	0.0	.6
15	19.1	27.0	21.7	88.3	0.0	2.2	2.2	2.6
16	19.0	25.5	21.4	89.0	0.0	1.3	1.3	2.4
17	19.1	22.5	20.7	93.3	1.5	0.0	1.5	0.0
18	19.5	26.5	21.7	87.3	0.0	3.7	3.7	2.8
19	19.0	24.0	20.8	91.7	.4	0.0	.4	.4
20	19.0	27.5	21.2	90.0	7.2	1.6	8.8	2.5
21	19.5	27.0	22.8	84.7	0.0	0.0	0.0	1.7
22	19.6	25.5	22.1	87.0	0.0	0.0	0.0	1.4
23	18.5	28.0	23.2	81.3	0.0	0.0	0.0	3.6
24	19.7	24.5	20.8	86.7	0.0	0.0	0.0	0.0
25	17.5	28.0	22.7	79.0	0.0	21.3	21.3	7.6
26	18.5	20.0	19.5	93.0	8.5	0.0	8.5	0.0
27	19.0	26.5	21.4	84.0	0.0	5.4	5.4	2.8
28	18.5	22.5	20.0	90.7	3.2	.6	3.8	.1
29	18.4	24.0	20.7	89.0	.9	0.0	.9	1.0
30	18.5	26.5	21.3	86.0	0.0	0.0	0.0	3.9
31								
Total :					44.9	49.5	94.4	
Promedio :	19.0	26.4	21.7	86.5				73.5

Estación : GABRIEL MARIA BARRIGA  
 Año : 1998

Dpto. : NORTE SANTANDER  
 Mpio. : CONVENCION

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

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.5	24.5	21.8	87.7	.1	0.0	.1	.1
2	19.0	25.5	21.7	85.3	0.0	0.0	0.0	.5
3	19.5	26.0	21.8	85.7	0.0	3.3	3.3	1.1
4	18.5	24.0	20.3	89.7	.4	.2	.6	.1
5	18.0	27.0	21.0	84.7	0.0	1.5	1.5	2.0
6	19.0	28.5	22.2	84.7	2.7	4.5	7.2	2.5
7	18.8	28.3	21.5	84.0	0.0	.3	.3	2.7
8	18.5	26.5	21.8	86.7	0.0	.8	.8	1.2
9	19.5	28.5	21.9	83.7	1.4	0.0	1.4	4.9
10	19.0	29.0	23.4	83.7	0.0	0.0	0.0	4.9
11	18.2	28.5	21.4	84.3	9.1	4.0	13.1	5.5
12	18.5	28.0	22.4	82.7	0.0	0.0	0.0	3.2
13	18.0	30.0	23.2	75.0	0.0	0.0	0.0	10.8
14	17.5	29.0	22.4	79.7	0.0	0.0	0.0	7.0
15	19.0	27.0	21.8	89.0	0.0	0.0	0.0	1.5
16	18.9	29.0	22.9	82.3	3.7	7.0	10.7	1.7
17	19.0	26.5	21.4	87.7	1.1	8.1	9.2	1.7
18	19.5	29.0	22.6	84.7	0.0	5.0	5.0	5.4
19	19.0	29.6	22.4	76.7	19.6	0.0	19.6	3.5
20	18.0	28.0	22.7	75.7	0.0	0.0	0.0	5.7
21	18.5	29.5	21.8	82.7	16.5	0.0	16.5	7.1
22	19.5	29.8	23.4	85.3	0.0	.2	.2	7.7
23	19.2	27.5	22.0	83.3	.1	0.0	.1	1.6
24	18.3	29.8	23.0	81.7	0.0	0.0	0.0	6.1
25	18.5	27.0	22.4	85.3	0.0	0.0	0.0	.5
26	19.5	23.5	21.0	92.3	.8	0.0	.8	0.0
27	20.0	27.5	22.4	84.7	.5	4.1	4.6	3.6
28	19.5	26.5	21.7	87.0	1.7	0.0	1.7	1.3
29	19.0	25.5	21.0	80.0	0.0	0.0	0.0	1.8
30	18.0	25.0	21.2	89.7	0.0	0.0	0.0	.1
31	17.5	29.0	23.0	82.7	0.0	0.0	0.0	6.9
Total :					57.7	39.0	96.7	
Promedio :	18.8	27.5	22.0	84.1				102.7

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.5	25.0	21.1	83.3	0.0	0.0	0.0	.9
2	18.0	27.5	22.0	82.7	0.0	0.0	0.0	3.6
3	17.5	25.0	19.8	90.3	0.0	0.0	0.0	.2
4	16.0	28.0	21.0	83.3	.6	0.0	.6	6.9
5	18.0	29.0	22.0	80.0	2.1	.6	2.7	6.5
6	17.0	27.0	21.5	82.0	1.7	.3	2.0	4.6
7	17.5	28.5	22.0	83.7	1.0	7.2	8.2	8.7
8	18.0	24.0	20.7	89.0	0.0	0.0	0.0	.8
9	17.0	26.0	20.2	85.3	.8	0.0	.8	3.7
10	16.0	26.5	21.9	82.3	0.0	0.0	0.0	0.0
11	18.2	26.0	21.2	85.7	0.0	0.0	0.0	2.9
12	19.5	29.0	23.0	81.3	0.0	3.2	3.2	5.8
13	18.0	27.5	22.0	84.7	0.0	.5	.5	5.1
14	18.5	29.0	22.8	84.3	0.0	0.0	0.0	4.0
15	18.0	26.5	21.0	81.7	.9	0.0	.9	.2
16	17.5	27.5	20.7	84.7	19.7	20.5	40.2	2.8
17	17.7	25.0	20.7	87.0	.7	0.0	.7	2.0
18	18.5	27.5	21.8	83.7	0.0	0.0	0.0	3.5
19	17.0	27.0	22.0	86.7	0.0	0.0	0.0	3.9
20	18.0	24.5	20.2	84.3	5.3	3.2	8.5	.2
21	17.0	27.0	21.4	86.7	1.2	.3	1.5	5.3
22	18.5	26.0	21.0	80.0	2.3	1.7	4.0	1.6
23	17.5	25.0	20.4	85.3	3.7	0.0	3.7	2.5
24	17.0	25.5	21.5	81.7	0.0	0.0	0.0	6.3
25	18.5	27.5	22.4	76.7	0.0	0.0	0.0	9.3
26	16.0	27.0	21.7	78.3	0.0	0.0	0.0	8.2
27	17.5	28.0	22.2	81.0	0.0	.3	.3	3.4
28	17.3	27.5	21.0	83.3	0.0	0.0	0.0	4.6
29	17.0	28.5	21.8	79.0	0.0	0.0	0.0	6.5
30	16.5	27.5	21.4	83.7	0.0	.4	.4	6.6
Total :					40.0	38.2	78.2	
Promedio :	17.5	26.9	21.4	83.4				120.6

Estación : GABRIEL MARIA BARRIGA  
Año : 1998

Dpto. : NORTE SANTANDER  
Mpio. : CONVENCION

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

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.1	29.0	21.9	73.0	0.0	0.0	0.0	8.0
2	16.0	27.5	21.6	82.7	0.0	0.0	0.0	5.7
3	18.5	26.0	21.5	81.0	1.1	.6	1.7	3.3
4	18.0	28.0	21.6	79.7	30.1	3.6	33.7	5.0
5	17.6	26.5	20.2	80.7	18.7	0.0	18.7	1.2
6	17.5	27.5	21.3	82.7	6.4	7.4	13.8	7.3
7	17.3	25.5	20.9	83.7	0.0	.1	.1	3.8
8	17.0	26.0	20.8	85.0	2.4	9.4	11.8	4.2
9	18.5	23.5	19.9	90.0	0.0	3.0	3.0	1.5
10	16.8	22.0	18.6	93.7	0.0	0.0	0.0	.1
11	15.5	26.5	20.5	80.7	0.0	0.0	0.0	6.6
12	16.5	28.5	22.7	73.7	0.0	0.0	0.0	9.1
13	17.0	28.0	21.4	79.7	0.0	.5	.5	8.1
14	17.1	27.5	22.0	78.3	0.0	0.0	0.0	7.0
15	16.5	26.5	21.6	77.3	0.0	0.0	0.0	4.3
16	16.2	27.0	21.2	83.0	0.0	3.7	3.7	3.5
17	17.0	27.4	21.4	83.0	0.0	4.4	4.4	4.9
18	17.5	27.5	21.7	80.0	0.0	.4	.4	6.7
19	17.0	26.0	20.4	85.7	0.0	0.0	0.0	2.3
20	16.0	28.8	21.8	80.0	0.0	0.0	0.0	6.7
21	18.0	28.0	22.3	77.0	0.0	2.5	2.5	8.2
22	17.0	27.0	20.2	83.3	10.0	0.0	10.0	5.8
23	17.5	28.0	21.8	75.3	2.3	1.5	3.8	7.1
24	16.0	27.5	21.6	76.0	0.0	0.0	0.0	8.7
25	17.0	27.8	21.9	76.7	0.0	.5	.5	7.4
26	17.8	26.0	20.8	82.7	.4	1.2	1.6	4.0
27	18.0	26.5	21.3	81.0	0.0	3.3	3.3	3.5
28	17.8	27.0	21.0	85.0	0.0	0.0	0.0	2.8
29	18.0	28.0	22.2	79.0	0.0	.1	.1	5.9
30	17.9	27.0	21.2	81.3	0.0	2.0	2.0	4.3
31	17.0	26.0	20.7	80.3	0.0	0.0	0.0	4.9
Total :					71.4	44.2	115.6	161.9
Promedio :	17.1	26.9	21.2	81.0				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	25.8	20.6	84.7	.1	0.0	.1	3.6
2	16.0	28.0	21.8	79.3	0.0	0.0	0.0	8.1
3	17.0	28.5	22.0	76.7	0.0	0.0	0.0	9.7
4	19.0	27.8	21.2	82.3	1.9	0.0	1.9	2.9
5	17.8	27.5	22.1	82.3	0.0	2.2	2.2	4.2
6	18.0	26.8	21.5	83.3	0.0	8.4	8.4	3.1
7	17.8	25.1	20.0	83.7	0.0	0.0	0.0	1.4
8	17.0	25.8	20.6	82.3	0.0	0.0	0.0	3.4
9	16.0	28.0	21.4	75.7	0.0	0.0	0.0	6.9
10	18.0	27.8	21.8	79.7	.1	0.0	.1	5.9
11	19.0	29.8	23.0	76.7	0.0	0.0	0.0	8.5
12	17.0	28.0	22.8	77.3	0.0	0.0	0.0	7.6
13	16.8	25.0	21.7	83.7	0.0	.4	.4	.1
14	17.0	28.0	21.5	77.0	0.0	0.0	0.0	6.2
15	18.7	25.0	20.8	81.0	21.0	0.0	21.0	2.4
16	18.0	26.8	20.5	83.7	7.8	0.0	7.8	2.6
17	16.5	28.0	19.8	77.7	10.0	0.0	10.0	7.0
18	17.0	26.5	20.6	75.3	6.9	18.2	25.1	6.0
19	16.0	28.9	21.6	69.7	0.0	.5	.5	9.3
20	17.0	28.1	20.2	81.0	3.3	.1	3.4	4.9
21	18.0	30.0	21.6	75.3	4.9	1.0	5.9	4.3
22	18.0	28.0	21.5	79.0	0.0	0.0	0.0	7.4
23	17.2	28.7	21.4	76.0	20.3	.2	20.5	7.0
24	17.0	28.5	22.1	74.3	0.0	.1	.1	8.3
25	17.5	27.0	20.6	83.0	0.0	0.0	0.0	.8
26	18.0	28.2	20.4	80.3	25.0	2.2	27.2	2.0
27	17.2	27.2	21.4	81.7	0.0	0.0	0.0	3.5
28	18.2	28.0	22.2	77.7	0.0	0.0	0.0	7.1
29	18.0	29.1	21.8	78.7	.5	.5	1.0	5.7
30	17.0	29.0	22.4	75.3	0.0	0.0	0.0	4.4
31	19.0	25.4	21.0	81.7	0.0	.1	.1	.4
Total :					101.8	33.9	135.7	154.7
Promedio :	17.5	27.6	21.4	79.2				

Estación : GABRIEL MARIA BARRIGA  
 Año : 1998

Dpto. : NORTE SANTANDER  
 Mpio. : CONVENCION

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	28.0	21.1	77.7	4.6	15.8	20.4	5.1
2	17.2	27.1	20.5	80.3	5.4	0.0	5.4	6.9
3	19.0	26.0	20.6	83.3	21.0	0.0	21.0	1.6
4	17.0	27.8	21.6	79.3	0.0	.1	.1	7.8
5	17.1	28.2	22.0	79.0	0.0	0.0	0.0	6.5
6	17.0	28.1	22.3	79.7	0.0	.4	.4	7.7
7	18.6	28.8	21.2	79.3	16.8	9.0	25.8	4.1
8	17.0	27.4	21.6	79.7	0.0	0.0	0.0	2.7
9	18.4	27.2	21.9	78.0	0.0	0.0	0.0	2.7
10	17.4	26.5	20.9	81.3	23.4	19.7	43.1	5.2
11	16.0	27.2	20.6	79.0	9.4	.7	10.1	3.3
12	18.0	24.0	19.8	86.7	1.0	2.8	3.8	1.4
13	18.0	28.2	21.1	79.0	0.0	5.6	5.6	2.9
14	17.4	26.0	20.4	81.7	2.2	1.7	3.9	2.7
15	18.8	28.0	21.8	79.3	2.0	0.0	2.0	6.0
16	17.8	28.8	20.7	75.3	15.7	.1	15.8	4.6
17	18.8	27.0	21.3	81.7	1.6	7.4	9.0	4.7
18	17.5	23.8	20.2	84.3	0.0	0.0	0.0	.7
19	17.0	28.0	21.3	81.3	12.3	1.7	14.0	4.9
20	18.0	28.2	22.0	82.0	5.8	1.2	7.0	6.6
21	17.8	27.6	21.8	82.0	0.0	0.0	0.0	5.2
22	17.5	25.5	20.1	82.3	.1	0.0	.1	2.6
23	18.0	26.8	19.3	88.7	11.8	9.7	21.5	3.1
24	18.0	28.0	21.5	82.0	0.0	0.0	0.0	5.9
25	18.2	25.9	21.2	83.7	0.0	.2	.2	2.4
26	18.0	25.8	20.5	80.7	0.0	10.1	10.1	.5
27	17.6	27.8	21.8	78.3	0.0	3.5	3.5	5.6
28	18.0	27.0	21.4	84.7	0.0	0.0	0.0	3.1
29	18.2	26.2	21.6	81.3	0.0	0.0	0.0	4.3
30	17.0	27.8	21.9	82.0	0.0	0.0	0.0	6.5
31								
Total :					133.1	89.7	222.8	127.3
Promedio :	17.7	27.1	21.1	81.1				
Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.7	27.8	21.8	82.3	0.0	0.0	0.0	6.0
2	17.0	26.0	21.2	82.0	0.0	0.0	0.0	3.1
3	18.5	26.8	20.5	80.3	36.1	5.6	41.7	5.6
4	17.0	25.2	20.6	86.7	0.0	14.2	14.2	2.2
5	18.0	23.8	20.4	88.3	0.0	0.0	0.0	.4
6	18.7	25.0	21.6	83.3	0.0	47.3	47.3	1.1
7	17.5	26.9	20.8	82.3	0.0	.1	.1	1.6
8	17.6	27.6	21.4	79.0	1.8	5.1	6.9	4.1
9	18.0	26.8	20.8	86.3	.5	0.0	.5	2.7
10	19.0	27.0	21.9	82.0	0.0	0.0	0.0	3.9
11	18.0	27.8	22.3	81.3	0.0	0.0	0.0	7.1
12	18.1	28.1	20.8	83.7	16.8	1.0	17.8	2.9
13	16.2	26.8	21.1	82.3	.5	.1	.6	1.7
14	17.0	25.8	20.2	83.3	0.0	3.9	3.9	6.4
15	17.0	25.8	21.0	83.7	0.0	0.0	0.0	2.0
16	16.0	26.1	21.6	79.7	0.0	.1	.1	6.0
17	18.5	26.9	21.0	83.0	0.0	0.0	0.0	3.7
18	18.5	26.8	21.4	84.0	0.0	0.0	0.0	4.4
19	19.0	27.2	21.8	83.3	0.0	0.0	0.0	4.3
20	17.8	25.8	21.8	74.7	0.0	0.0	0.0	6.1
21	17.0	26.1	19.9	82.3	.4	0.0	.4	1.8
22	18.0	26.8	20.7	82.0	.3	0.0	.3	2.3
23	17.0	26.9	20.3	82.3	0.0	2.4	2.4	1.0
24	17.6	27.1	20.4	77.3	13.1	16.8	29.9	3.8
25	17.0	26.2	21.2	80.0	0.0	0.0	0.0	8.4
26	18.2	27.2	21.5	80.3	0.0	.2	.2	6.8
27	17.5	27.2	21.4	86.0	0.0	.3	.3	6.7
28	17.4	26.6	20.5	84.0	0.0	0.0	0.0	5.6
29	18.2	25.1	20.6	87.7	0.0	0.0	0.0	1.8
30	18.4	27.8	20.4	84.7	17.1	0.0	17.1	2.9
31	17.0	26.0	21.2	87.3	0.0	0.0	0.0	4.6
Total :					86.6	97.1	183.7	121.0
Promedio :	17.7	26.5	21.0	82.8				

Estación : GABRIEL MARIA BARRIGA  
Año : 1998

Dpto. : NORTE SANTANDER  
Mpio. : CONVENCION

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

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.4	27.4	21.4	86.7	0.0	0.0	0.0	4.5
2	16.8	26.8	21.2	84.3	0.0	0.0	0.0	3.9
3	18.8	27.2	21.8	85.3	0.0	.4	.4	3.5
4	18.0	27.5	22.0	83.0	0.0	0.0	0.0	5.4
5	16.8	28.8	22.2	80.3	0.0	7.2	7.2	9.1
6	18.0	26.1	20.9	87.0	0.0	.8	.8	3.3
7	17.8	26.2	19.8	85.7	1.5	0.0	1.5	1.6
8	17.8	24.0	19.6	90.3	7.7	6.8	14.5	2.0
9	17.4	22.3	19.2	90.0	0.0	16.9	16.9	1.2
10	17.0	24.2	19.9	88.3	0.0	40.6	40.6	2.2
11	17.8	24.0	19.7	89.0	0.0	36.6	36.6	1.4
12	17.2	22.0	18.7	91.7	.8	1.1	1.9	.7
13	17.0	23.5	19.7	88.0	0.0	0.0	0.0	2.6
14	16.0	27.1	20.8	87.3	0.0	0.0	0.0	6.4
15	18.0	25.8	21.0	87.0	0.0	0.0	0.0	3.2
16	18.2	26.0	21.0	86.7	0.0	0.0	0.0	3.1
17	18.0	25.8	21.1	87.3	0.0	0.0	0.0	1.6
18	18.2	25.9	20.9	89.3	0.0	0.0	0.0	2.1
19	18.0	24.5	20.6	87.0	0.0	0.0	0.0	2.8
20	17.0	22.2	18.8	91.0	0.0	0.0	0.0	.3
21	17.0	19.8	18.0	94.7	.4	1.6	2.0	0.0
22	17.2	25.8	20.0	88.3	0.0	6.0	6.0	1.5
23	17.0	24.0	18.5	90.3	1.2	0.0	1.2	2.5
24	15.0	25.0	18.8	85.0	0.0	0.0	0.0	7.4
25	15.2	23.0	17.6	91.3	.3	0.0	.3	1.0
26	14.6	25.2	19.1	85.3	0.0	0.0	0.0	3.8
27	15.4	26.1	19.7	82.7	0.0	0.0	0.0	7.0
28	15.4	25.0	18.6	88.7	0.0	0.0	0.0	4.7
29	15.6	26.4	19.3	84.0	0.0	0.0	0.0	6.8
30	16.0	26.0	20.4	84.3	0.0	3.9	3.9	6.6
31								
Total :					11.9	121.9	133.8	102.2
Promedio :	17.0	25.1	20.0	87.3				
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.2	25.0	20.1	86.3	0.0	0.0	0.0	2.9
2	16.0	26.2	19.8	84.0	0.0	0.0	0.0	3.0
3	16.8	27.8	21.2	80.0	0.0	5.2	5.2	3.4
4	17.4	25.2	20.5	86.0	0.0	0.0	0.0	1.8
5	17.0	26.0	20.8	85.0	0.0	9.8	9.8	2.9
6	17.2	26.1	20.6	86.3	0.0	1.3	1.3	4.5
7	17.0	25.2	19.6	84.7	0.0	0.0	0.0	.6
8	17.0	27.8	20.4	86.7	0.0	0.0	0.0	5.1
9	15.2	26.2	19.4	88.7	1.2	1.1	2.3	3.6
10	16.8	22.4	19.8	93.3	0.0	4.3	4.3	.9
11	18.0	22.0	18.9	95.3	2.0	35.0	37.0	1.0
12	17.8	20.0	18.6	94.7	2.1	1.1	3.2	0.0
13	17.2	23.6	20.0	90.3	0.0	0.0	0.0	3.2
14	16.8	26.0	20.2	86.7	0.0	0.0	0.0	3.0
15	18.2	24.6	20.0	89.0	0.0	0.0	0.0	1.7
16	17.6	24.8	20.2	90.0	0.0	0.0	0.0	1.8
17	17.8	25.0	20.2	87.3	0.0	0.0	0.0	2.5
18	17.6	21.6	19.0	92.7	2.3	3.4	5.7	.8
19	16.4	22.2	18.4	95.0	.3	8.0	8.3	.8
20	17.2	20.4	18.2	95.7	1.4	0.0	1.4	.3
21	15.6	25.0	18.6	90.3	1.8	1.1	2.9	3.5
22	14.8	22.2	18.4	90.3	6.3	12.3	18.6	1.9
23	16.6	22.6	17.6	93.0	7.4	0.0	7.4	1.2
24	16.2	22.9	18.6	90.0	0.0	0.0	0.0	.8
25	16.8	23.7	19.3	88.3	0.0	0.0	0.0	.7
26	16.8	21.9	18.8	90.7	0.0	0.0	0.0	0.0
27	16.2	23.1	19.0	90.3	0.0	0.0	0.0	1.1
28	17.2	25.2	19.8	87.7	.7	0.0	.7	2.5
29	17.2	24.8	19.1	90.3	0.0	0.0	0.0	2.1
30	16.0	24.7	19.0	93.3	0.0	0.0	0.0	3.7
31	17.3	23.4	19.6	95.0	0.0	0.0	0.0	1.4
Total :					25.5	82.6	108.1	62.7
Promedio :	16.9	24.1	19.5	89.6				

Estación : GABRIEL MARIA BARRIGA  
Año : 1998

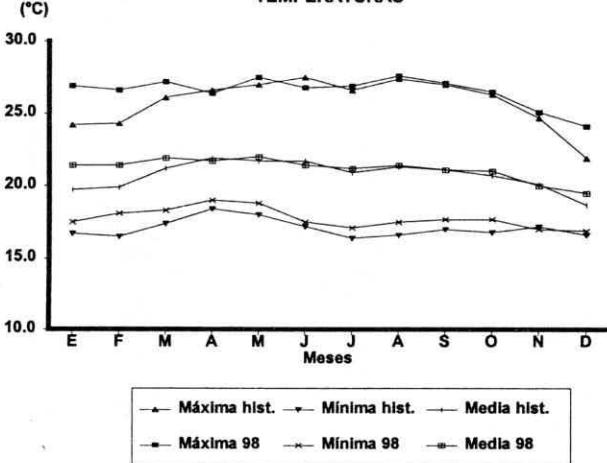
Dpto. : NORTE SANTANDER  
Mpio. : CONVENCION

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

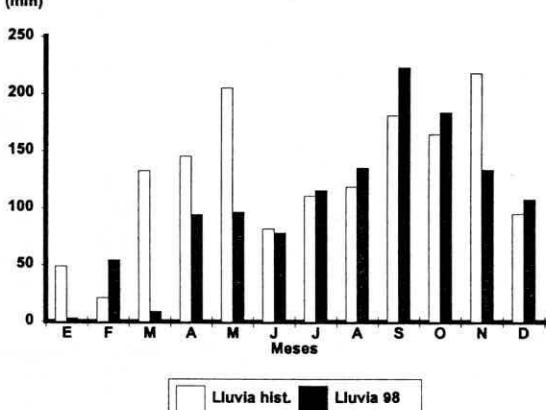
#### TEMPERATURA °C

MES	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	17.5	26.9	21.4	30.8	15.0	81.2	3.3	3	168.7
Febrero	18.1	26.6	21.4	30.5	16.5	83.4	54.4	10	128.1
Marzo	18.3	27.2	21.9	30.0	16.0	80.6	9.2	7	130.8
Abril	19.0	26.4	21.7	30.5	17.5	86.5	94.4	19	73.5
Mayo	18.8	27.5	22.0	30.0	17.5	84.1	96.7	19	102.7
Junio	17.5	26.8	21.4	29.0	16.0	83.4	78.2	16	120.6
Julio	17.1	26.9	21.2	29.0	15.5	81.0	115.6	19	161.9
Agosto	17.5	27.6	21.4	30.0	16.0	79.2	135.7	18	154.7
Septiembre	17.7	27.1	21.1	28.8	16.0	81.1	222.8	21	127.3
Octubre	17.7	26.5	21.0	28.1	16.0	82.8	183.7	17	121.0
Noviembre	17.0	25.1	20.0	28.8	14.6	87.3	133.8	14	102.2
Diciembre	16.9	24.1	19.5	27.8	14.8	89.6	108.1	14	62.7
Promedio :	17.8	26.6	21.2			83.3			
Absoluta :				30.8	14.6				
Total :							1235.9	177	1454.2

#### TEMPERATURAS



#### LLUVIA



Estación : FRANCISCO ROMERO  
Año : 1998

Dpto. : NORTE SANTANDER  
Mpio. : SALAZAR

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

Enero	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.2	25.5	20.1	84.0	0.0	0.0	0.0	8.8
2	15.8	29.2	20.2	66.0	0.0	0.0	0.0	1.1
3	12.8	28.8	20.2	65.3	0.0	0.0	0.0	8.6
4	16.0	31.5	21.8	71.0	0.0	0.0	0.0	8.6
5	16.4	31.8	22.0	74.0	0.0	0.0	0.0	8.6
6	16.5	31.0	22.5	74.7	0.0	0.0	0.0	6.6
7	17.0	30.0	22.0	78.7	0.0	0.0	0.0	4.1
8	16.6	28.2	21.8	82.7	0.0	0.0	0.0	4.2
9	18.0	27.0	21.8	77.7	0.0	3.2	3.2	2.3
10	16.0	26.2	20.6	81.7	0.0	0.0	0.0	3.1
11	16.2	29.0	21.4	77.3	0.0	0.0	0.0	6.9
12	16.2	30.0	22.2	76.3	0.0	0.0	0.0	3.3
13	17.2	29.0	23.2	74.3	0.0	0.0	0.0	4.2
14	18.2	26.8	21.7	83.0	0.0	.7	.7	2.1
15	16.9	29.1	23.6	69.0	0.0	0.0	0.0	3.4
16	18.9	31.0	23.8	63.3	0.0	0.0	0.0	5.8
17	17.8	30.2	22.9	70.7	0.0	0.0	0.0	5.8
18	17.5	29.8	23.8	73.3	0.0	.7	.7	5.7
19	19.5	28.5	23.4	78.0	0.0	0.0	0.0	1.8
20	20.2	28.2	23.8	74.0	0.0	.5	.5	1.4
21	18.5	31.4	23.8	75.0	.1	0.0	.1	3.8
22	20.5	30.5	24.2	74.3	0.0	.2	.2	1.5
23	17.2	30.0	23.1	68.7	0.0	0.0	0.0	5.1
24	17.0	30.2	23.0	61.0	0.0	0.0	0.0	7.0
25	16.2	31.0	24.0	64.3	0.0	0.0	0.0	8.2
26	16.8	31.5	22.8	67.7	0.0	0.0	0.0	8.8
27	18.2	32.7	24.1	64.7	0.0	0.0	0.0	7.2
28	18.5	32.8	24.4	69.7	0.0	0.0	0.0	3.1
29	18.0	32.5	24.6	69.7	0.0	0.0	0.0	6.7
30	20.5	30.4	24.6	72.3	0.0	0.0	0.0	1.5
31	19.5	32.8	25.9	69.3	0.0	0.0	0.0	5.8
Total :					.1	5.3	5.4	155.1
Promedio :	17.4	29.9	22.8	72.6				
Febrero	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	20.7	28.2	23.6	84.0	1.6	.1	1.7	5.8
2	21.0	32.5	25.2	65.0	0.0	0.0	0.0	6.6
3	18.5	34.0	25.2	60.7	0.0	0.0	0.0	8.5
4	19.5	32.0	25.0	67.0	0.0	.4	.4	4.8
5	21.2	27.1	22.8	88.0	0.0	0.0	0.0	.7
6	21.0	29.0	23.8	85.7	0.0	.1	.1	1.7
7	19.5	31.2	24.7	70.7	0.0	17.1	17.1	2.1
8	20.2	24.8	21.9	93.0	52.4	147.2	199.6	.1
9	19.5	24.5	21.4	92.0	2.3	51.1	53.4	0.0
10	19.3	23.0	20.9	91.0	38.8	42.4	43.0	0.0
11	18.9	23.5	20.2	88.0	.2	0.0	.2	.1
12	18.5	27.0	21.7	88.0	.6	0.0	.6	4.4
13	18.2	26.0	21.4	88.0	0.0	0.0	0.0	.2
14	18.0	28.2	22.8	81.3	0.0	0.0	0.0	1.9
15	18.2	30.2	24.6	70.3	0.0	0.0	0.0	2.8
16	19.0	30.0	23.2	77.7	0.0	0.0	0.0	8.5
17	18.0	30.8	23.2	72.3	0.0	0.0	0.0	4.4
18	17.4	31.8	24.6	69.7	0.0	0.0	0.0	7.5
19	18.0	31.2	24.3	70.3	0.0	0.0	0.0	8.2
20	17.4	30.6	24.4	69.0	0.0	0.0	0.0	6.6
21	18.5	29.5	23.6	71.7	0.0	0.0	0.0	4.1
22	18.6	29.4	23.3	73.7	0.0	0.0	0.0	1.7
23	18.5	30.5	24.5	68.3	0.0	0.0	0.0	7.2
24	19.5	31.8	25.2	67.7	0.0	20.6	20.6	4.6
25	19.2	29.6	24.0	73.7	1.1	0.0	1.1	4.2
26	17.4	29.0	22.7	83.0	0.0	0.0	0.0	5.5
27	19.8	30.0	24.5	71.0	0.0	0.0	0.0	7.2
28	18.4	31.0	24.8	67.0	0.0	0.0	0.0	8.6
29								
30								
31								
Total :					97.0	240.8	337.8	118.0
Promedio :	19.0	29.2	23.5	76.7				

Estación : FRANCISCO ROMERO  
Año : 1998

Dpto. : NORTE SANTANDER  
Mpio. : SALAZAR

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.5	31.0	24.5	73.0	0.0	0.0	0.0	5.0
2	17.3	31.5	24.2	68.0	0.0	0.0	0.0	7.2
3	18.0	30.0	23.2	69.3	0.0	0.0	0.0	7.1
4	19.4	28.5	22.2	80.3	0.0	0.0	0.0	2.3
5	19.1	28.2	22.6	77.7	.3	0.0	.3	1.6
6	18.5	29.5	23.0	79.3	0.0	0.0	0.0	4.7
7	18.6	28.0	22.6	80.3	0.0	0.0	0.0	1.9
8	19.3	29.6	23.4	74.7	0.0	0.0	0.0	4.5
9	18.2	30.7	23.6	73.3	0.0	0.0	0.0	8.5
10	18.8	30.0	24.0	74.3	0.0	0.0	0.0	7.5
11	18.1	26.0	21.6	83.3	0.0	0.0	0.0	2.0
12	18.5	24.0	20.8	84.3	0.0	0.0	0.0	.7
13	15.2	27.7	22.2	71.7	0.0	0.0	0.0	6.2
14	17.8	28.2	22.8	73.0	0.0	0.0	0.0	4.4
15	18.9	27.3	22.6	81.0	.7	0.0	.7	3.7
16	19.2	26.5	21.9	84.7	1.3	2.2	3.5	.5
17	19.0	28.5	22.8	76.7	0.0	0.0	0.0	4.5
18	19.1	30.0	24.0	71.7	0.0	0.0	0.0	5.5
19	17.8	29.7	23.2	73.7	0.0	0.0	0.0	3.0
20	17.9	29.3	23.4	74.3	0.0	0.0	0.0	1.3
21	19.0	28.5	23.2	77.0	0.0	0.0	0.0	1.2
22	18.7	31.0	23.8	76.7	0.0	0.0	0.0	5.4
23	20.0	30.8	24.4	73.3	0.0	0.0	0.0	.1
24	17.2	30.0	23.5	80.3	0.0	0.0	0.0	2.5
25	18.3	29.0	23.0	79.3	18.0	.2	18.2	1.1
26	19.3	24.7	21.7	89.0	1.0	12.6	13.6	0.0
27	19.9	25.2	22.4	88.0	4.0	.2	4.2	0.0
28	20.0	27.9	23.6	82.7	0.0	8.1	8.1	.3
29	19.3	25.2	21.8	89.7	.6	0.0	.6	.3
30	20.0	23.0	20.8	93.7	14.4	29.3	43.7	0.0
31	19.3	23.5	21.1	90.3	.8	0.0	.8	.1
Total :	18.7	28.2	22.8	78.9	41.1	52.6	93.7	93.1
Promedio :								

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	25.2	20.9	86.0	12.6	8.8	21.4	.2
2	18.9	25.8	22.4	86.7	.3	4.3	4.6	1.3
3	20.0	24.4	22.0	88.7	2.5	0.0	2.5	.2
4	19.0	28.0	22.5	80.7	0.0	2.0	2.0	2.8
5	17.0	28.1	22.9	79.3	0.0	0.0	0.0	4.7
6	18.8	29.8	23.8	79.0	0.0	0.0	0.0	4.2
7	19.7	29.3	24.5	80.7	.8	.8	1.6	4.1
8	20.0	29.8	24.2	81.3	1.5	17.3	18.8	3.3
9	19.9	30.0	23.6	82.0	0.0	0.0	0.0	4.6
10	18.1	30.1	24.4	74.0	0.0	31.5	31.5	6.9
11	19.5	31.0	24.5	74.0	0.0	18.3	18.3	6.7
12	19.5	28.8	22.9	82.7	58.7	.4	59.1	3.0
13	19.4	24.8	22.1	90.0	.6	11.6	12.2	0.0
14	20.0	27.0	22.8	85.3	7.1	6.3	13.4	.3
15	20.2	26.0	22.4	91.3	.5	.1	.6	2.1
16	19.2	26.4	22.7	84.7	.4	2.9	3.3	.8
17	20.2	26.5	23.0	84.7	.1	7.1	7.2	.7
18	20.0	27.5	23.0	89.3	6.4	138.2	144.6	1.4
19	19.7	23.8	21.5	91.3	17.6	0.0	17.6	0.0
20	18.7	29.0	23.8	80.0	0.0	2.5	2.5	4.2
21	21.1	29.6	24.2	77.3	0.0	0.0	0.0	3.5
22	19.7	31.0	24.0	75.3	0.0	0.0	0.0	6.7
23	19.0	32.3	24.4	70.0	0.0	0.0	0.0	8.6
24	18.5	28.0	22.0	88.0	1.6	0.0	1.6	2.0
25	19.0	30.9	24.8	74.3	.1	84.6	84.7	6.7
26	20.5	26.7	22.4	85.0	3.2	0.0	3.2	0.0
27	20.0	27.6	23.6	85.7	0.0	1.8	1.8	2.5
28	19.8	28.5	23.8	85.7	.2	7.5	7.7	5.4
29	20.8	27.5	23.5	84.7	.3	4.8	5.1	2.0
30	20.4	28.8	23.8	81.0	.1	3.0	3.1	1.4
31								
Total :	19.5	28.1	23.2	82.6	114.6	353.8	468.4	90.3
Promedio :								

Estación : FRANCISCO ROMERO  
Año : 1998

Dpto. : NORTE SANTANDER  
Mpio. : SALAZAR

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

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	20.7	28.9	23.0	83.3	0.0	0.0	0.0	3.1
2	19.0	28.7	23.5	79.3	.5	11.4	11.9	1.4
3	20.1	27.9	24.0	81.7	9.9	73.4	83.3	1.2
4	19.8	27.0	22.4	84.7	11.8	0.0	11.8	.2
5	19.2	27.2	23.1	83.3	.6	8.1	8.7	1.8
6	19.4	26.8	21.8	89.7	34.2	3.8	38.0	3.1
7	19.5	27.5	23.2	84.3	2.5	7.2	9.7	2.6
8	20.5	28.5	23.1	84.0	1.6	.1	1.7	3.2
9	19.5	29.4	23.3	81.7	0.0	0.0	0.0	6.7
10	19.4	30.2	24.0	79.3	0.0	0.0	0.0	9.0
11	19.9	29.6	23.4	82.3	3.9	0.0	3.9	5.3
12	19.0	28.0	22.8	80.3	0.0	0.0	0.0	1.0
13	18.5	31.2	23.8	72.3	0.0	0.0	0.0	10.0
14	18.0	31.0	23.8	73.0	0.0	.1	.1	8.5
15	20.0	29.4	24.4	77.3	0.0	1.0	1.0	1.9
16	19.2	28.9	24.3	77.0	0.0	1.7	1.7	5.0
17	20.2	29.0	23.6	81.3	3.2	16.1	19.3	2.4
18	20.0	28.8	23.6	82.7	0.0	.8	.8	4.8
19	21.2	30.0	23.9	78.0	0.0	0.0	0.0	5.4
20	19.2	29.0	23.8	78.3	0.0	3.8	3.8	5.2
21	19.5	29.5	23.7	80.7	0.0	0.0	0.0	7.0
22	19.6	30.0	24.2	80.0	0.0	11.1	11.1	5.8
23	20.0	27.2	23.6	82.0	0.0	0.0	0.0	1.9
24	19.0	28.2	22.9	80.0	.6	0.0	.6	3.7
25	19.7	28.0	23.2	82.3	0.0	0.0	0.0	1.9
26	19.3	27.5	23.3	82.7	0.0	.7	.7	.2
27	20.0	28.6	22.9	83.3	49.5	7.7	57.2	3.5
28	19.4	26.8	22.5	88.0	0.0	.2	.2	.4
29	19.0	27.8	22.3	83.7	0.0	0.0	0.0	2.7
30	18.8	28.0	23.2	80.0	0.0	0.0	0.0	3.4
31	18.0	29.6	23.6	76.7	0.0	0.0	0.0	6.3
Total :					118.3	147.2	265.5	118.6
Promedio :	19.5	28.7	23.4	81.1				

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.2	28.2	23.3	74.0	0.0	.8	.8	3.1
2	18.3	29.5	24.0	72.0	0.0	0.0	0.0	6.7
3	19.5	26.0	22.4	86.3	.4	0.0	.4	.3
4	17.8	29.2	23.6	72.7	0.0	.5	.5	9.0
5	19.5	31.0	23.7	73.0	0.0	1.2	1.2	7.6
6	18.5	29.4	22.8	79.0	.7	0.0	.7	6.3
7	19.0	29.0	23.8	77.0	0.0	.3	.3	3.9
8	18.2	23.5	20.7	92.3	9.2	0.0	9.2	0.0
9	17.0	27.5	21.2	84.7	1.5	0.0	1.5	3.6
10	16.5	30.6	23.4	73.7	0.0	0.0	0.0	8.3
11	19.5	30.2	23.6	75.0	0.0	0.0	0.0	7.8
12	19.2	30.0	24.3	68.7	0.0	0.0	0.0	5.9
13	19.0	31.2	23.8	71.7	0.0	0.0	0.0	9.1
14	19.2	29.5	23.8	79.0	0.0	2.1	2.1	0.0
15	18.4	25.5	20.8	88.3	11.4	.7	12.1	0.0
16	16.4	26.5	21.4	82.3	0.0	0.0	0.0	1.7
17	18.5	26.0	21.0	86.3	.1	0.0	.1	1.4
18	16.4	29.0	22.4	77.7	0.0	0.0	0.0	7.6
19	17.0	30.0	22.9	69.3	0.0	0.0	0.0	9.7
20	18.5	28.7	22.5	76.7	1.9	.8	2.7	2.5
21	17.2	27.2	21.9	80.7	0.0	.1	.1	4.3
22	18.0	26.0	21.1	83.7	2.2	0.0	2.2	3.7
23	17.9	25.8	20.2	89.3	.5	0.0	.5	.5
24	16.5	26.5	21.1	83.3	.2	0.0	.2	1.5
25	18.4	27.6	21.4	79.7	0.0	0.0	0.0	1.8
26	17.5	29.5	22.8	69.3	0.0	0.0	0.0	7.8
27	19.0	28.2	22.5	78.0	0.0	0.0	0.0	2.8
28	18.2	27.5	22.0	81.3	0.0	0.0	0.0	.9
29	17.2	30.2	22.5	74.3	0.0	0.0	0.0	4.5
30	18.0	29.0	21.2	79.3	9.6	0.0	9.6	3.7
Total :					37.7	6.5	44.2	126.0
Promedio :	18.1	28.3	22.4	78.6				

Estación : FRANCISCO ROMERO

Año : 1998

Dpto. : NORTE SANTANDER

Mpio. : SALAZAR

Latitud : 7 ° 45' N

Longitud : 72 ° 47' W

Altitud : 1000 m

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.5	29.0	22.2	75.3	0.0	0.0	0.0	3.7
2	18.0	31.3	22.2	73.0	0.0	0.0	0.0	6.7
3	18.5	30.0	21.8	76.0	3.5	0.0	3.5	4.8
4	18.0	30.2	22.4	79.3	.1	2.4	2.5	7.8
5	18.8	27.2	21.6	80.7	0.0	.2	.2	.5
6	18.2	29.0	22.0	77.3	0.0	0.0	0.0	4.8
7	18.6	29.0	22.7	75.3	0.0	.3	.3	3.4
8	19.5	26.6	21.8	83.0	.9	0.0	.9	1.2
9	18.0	27.6	22.8	78.0	0.0	2.1	2.1	3.2
10	17.5	22.5	19.1	96.0	11.5	0.0	11.5	0.0
11	16.3	27.2	21.2	80.7	0.0	0.0	0.0	3.6
12	17.2	30.0	22.7	74.3	0.0	0.0	0.0	9.7
13	18.1	30.1	22.7	75.3	0.0	10.5	10.5	7.3
14	18.0	29.0	22.5	75.0	0.0	0.0	0.0	3.2
15	17.5	28.8	22.6	75.7	0.0	0.0	0.0	4.6
16	17.5	29.0	21.9	73.0	17.5	0.0	17.5	5.8
17	18.5	30.0	23.2	72.0	0.0	0.0	0.0	7.3
18	18.2	30.1	23.2	72.3	0.0	0.0	0.0	6.7
19	18.2	29.2	22.8	73.3	0.0	0.0	0.0	4.2
20	16.2	30.2	23.8	63.0	0.0	0.0	0.0	8.7
21	17.5	30.2	23.0	70.3	0.0	0.0	0.0	8.4
22	20.0	30.5	22.7	73.0	0.0	0.0	0.0	6.3
23	17.5	29.6	21.4	78.3	9.0	0.0	9.0	6.8
24	17.0	29.6	22.0	77.7	0.0	0.0	0.0	7.1
25	18.0	30.2	23.2	68.0	3.5	4.7	8.2	6.2
26	18.4	30.0	24.3	67.7	0.0	0.0	0.0	5.3
27	18.0	28.4	22.8	75.3	0.0	3.7	3.7	3.0
28	19.8	28.0	22.8	76.3	0.0	0.0	0.0	2.7
29	17.4	29.2	23.0	81.0	0.0	0.0	0.0	7.0
30	18.2	27.2	22.2	81.3	.6	.2	.8	2.4
31	18.4	28.4	22.1	75.0	0.0	0.0	0.0	4.6
Total :					46.6	24.1	70.7	
Promedio :	18.0	28.9	22.4	75.9			157.0	

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.4	29.1	22.2	73.3	0.0	0.0	0.0	2.5
2	16.9	30.0	22.7	74.0	0.0	0.0	0.0	8.5
3	17.0	30.1	23.4	70.3	0.0	0.0	0.0	9.2
4	18.0	30.5	24.1	72.3	0.0	0.0	0.0	5.7
5	18.2	31.2	24.6	69.0	0.0	0.0	0.0	7.4
6	17.8	30.1	22.6	73.7	10.0	0.0	10.0	6.2
7	17.3	25.0	21.0	80.7	0.0	0.0	0.0	.1
8	17.0	28.2	21.6	72.7	0.0	0.0	0.0	3.3
9	16.0	30.0	22.8	74.7	0.0	0.0	0.0	7.5
10	18.8	29.9	22.0	75.0	0.0	0.0	0.0	4.5
11	16.4	30.9	22.6	67.0	0.0	0.0	0.0	10.1
12	17.0	29.1	22.2	74.7	0.0	0.0	0.0	4.2
13	16.9	27.8	22.5	74.3	0.0	0.0	0.0	.5
14	18.7	29.9	22.5	76.7	1.1	0.0	1.1	2.1
15	17.2	28.7	21.8	75.7	1.0	3.0	4.0	1.8
16	17.0	23.2	20.6	90.0	.6	0.0	.6	.4
17	16.1	28.6	20.4	77.0	2.0	0.0	2.0	5.7
18	16.2	30.8	24.6	73.3	0.0	14.8	14.8	9.7
19	18.2	30.1	23.2	77.7	0.0	8.5	8.5	5.6
20	17.8	30.2	23.0	75.7	0.0	0.0	0.0	7.2
21	17.9	31.1	25.0	69.3	0.0	92.6	92.6	6.5
22	18.9	28.8	23.3	79.0	1.1	0.0	1.1	5.5
23	18.8	31.0	24.4	70.3	0.0	0.0	0.0	7.5
24	19.0	29.9	23.9	73.7	0.0	0.0	0.0	4.4
25	19.1	29.8	22.8	78.3	6.3	0.0	6.3	3.4
26	18.5	28.7	23.6	71.7	0.0	0.0	0.0	1.3
27	18.7	28.0	22.9	75.0	0.0	0.0	0.0	1.8
28	16.2	31.2	23.6	67.0	0.0	0.0	0.0	6.5
29	16.9	32.1	24.2	71.0	0.0	0.0	0.0	6.6
30	18.7	29.9	23.0	72.7	0.0	0.0	0.0	5.2
31	18.8	28.1	23.3	74.7	0.0	0.0	0.0	.5
Total :					22.1	118.9	141.0	
Promedio :	17.7	29.4	22.9	74.2			151.4	

Estación : FRANCISCO ROMERO  
Año : 1998

Dpto. : NORTE SANTANDER  
Mpio. : SALAZAR

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

Septiembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	28.8	23.0	73.3	0.0	2.0	2.0	3.1
2	19.0	27.1	22.4	80.7	.3	0.0	.3	3.6
3	18.0	29.1	23.6	71.3	0.0	0.0	0.0	1.3
4	16.5	30.1	22.2	77.0	5.4	0.0	5.4	6.1
5	18.2	31.1	23.1	70.3	0.0	0.0	0.0	8.7
6	16.9	31.5	23.6	70.0	0.0	0.0	0.0	9.2
7	17.2	30.8	24.4	71.3	0.0	17.0	17.0	4.4
8	19.1	27.2	21.8	81.0	0.0	0.0	0.0	.7
9	16.1	28.2	23.1	74.0	0.0	8.6	8.6	4.7
10	17.2	29.2	21.4	78.3	7.0	46.6	53.6	5.0
11	17.1	28.1	22.8	77.7	0.0	.3	.3	2.4
12	18.1	25.1	21.5	87.3	1.5	5.0	6.5	.7
13	19.0	27.4	21.4	81.3	1.2	17.8	19.0	2.1
14	18.0	29.9	22.5	73.7	0.0	.8	.8	6.8
15	18.6	28.1	22.2	77.7	0.0	0.0	0.0	4.2
16	17.8	30.1	23.4	71.7	0.0	.8	.8	5.6
17	19.0	30.6	23.5	76.3	0.0	0.0	0.0	5.5
18	18.9	28.0	23.2	76.0	0.0	11.2	11.2	.7
19	18.5	30.2	23.8	75.7	0.0	51.2	51.2	4.1
20	19.0	29.0	23.8	73.0	.3	4.7	5.0	4.4
21	18.0	27.5	21.4	80.7	0.0	0.0	0.0	4.0
22	17.1	29.3	23.0	75.3	0.0	.1	.1	5.6
23	17.8	28.2	22.5	75.7	8.4	2.3	10.7	4.0
24	17.0	27.8	22.5	77.3	0.0	.6	.6	2.9
25	18.0	29.0	22.8	76.7	0.0	11.2	11.2	6.7
26	17.2	29.2	22.0	83.3	14.0	14.1	28.1	4.0
27	17.4	28.1	22.9	78.7	0.0	69.1	69.1	4.5
28	17.1	29.0	21.4	82.0	9.3	7.7	17.0	5.6
29	17.0	29.0	22.7	81.0	0.0	0.0	0.0	4.7
30	16.0	31.0	23.1	73.7	0.0	0.0	0.0	9.0
31								
Total :					47.4	271.1	318.5	134.3
Promedio :	17.8	28.9	22.7	76.7				

Octubre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	27.8	21.3	80.3	2.9	0.0	2.9	3.2
2	17.0	27.6	21.0	75.3	0.0	0.0	0.0	2.5
3	16.9	29.0	21.2	76.3	84.8	11.3	96.1	5.5
4	16.1	27.4	21.8	76.7	10.1	100.9	111.0	4.9
5	18.0	27.0	21.0	85.3	0.0	25.2	25.2	4.7
6	17.8	28.2	22.1	81.0	11.4	24.7	36.1	3.3
7	18.4	26.9	21.4	87.3	34.6	4.0	38.6	.7
8	18.0	27.9	22.2	81.0	0.0	2.6	2.6	3.8
9	18.9	27.8	21.6	83.3	0.0	0.0	0.0	3.3
10	18.0	28.9	22.3	76.7	0.0	0.0	0.0	5.9
11	17.0	29.2	22.4	77.0	0.0	0.0	0.0	8.5
12	17.8	30.8	23.2	76.3	2.9	38.4	41.3	5.3
13	19.0	29.0	22.5	80.3	39.1	21.1	60.2	4.3
14	17.8	27.0	21.2	88.7	.1	0.0	.1	1.7
15	17.0	29.8	22.2	72.7	0.0	0.0	0.0	3.9
16	17.1	29.2	22.5	75.3	0.0	0.0	0.0	7.9
17	18.8	27.8	22.2	83.3	15.5	4.4	19.9	5.0
18	18.1	29.5	23.5	76.7	0.0	0.0	0.0	4.9
19	18.4	28.7	23.5	77.0	0.0	1.0	1.0	4.4
20	19.1	31.0	23.2	76.7	21.0	4.8	25.8	5.3
21	18.7	27.5	21.8	85.3	3.3	2.2	5.5	2.3
22	19.0	27.0	21.8	91.7	4.9	12.3	17.2	1.6
23	18.0	29.5	23.6	81.0	3.8	15.2	19.0	4.7
24	18.9	29.0	23.4	81.3	9.3	8.6	17.9	6.5
25	19.4	27.4	22.5	86.0	4.1	0.0	4.1	4.7
26	18.0	29.2	22.8	82.7	11.4	.2	11.6	7.7
27	19.0	28.9	23.5	86.0	.5	55.1	55.6	6.7
28	19.1	29.8	24.1	83.3	.6	38.4	39.0	4.9
29	18.5	28.2	22.9	86.3	0.0	3.4	3.4	5.7
30	20.0	29.0	23.4	84.7	0.0	0.0	0.0	2.4
31	18.5	29.3	23.0	82.7	0.0	0.0	0.0	6.1
Total :					260.3	373.8	634.1	142.3
Promedio :	18.2	28.6	22.4	81.2				

Estación : FRANCISCO ROMERO  
Año : 1998

Dpto. : NORTE SANTANDER  
Mpio. : SALAZAR

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

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.5	28.4	22.0	85.0	0.0	0.0	0.0	6.7
2	17.8	28.3	21.6	85.7	0.0	0.0	0.0	5.2
3	17.6	29.0	22.5	83.3	0.0	.3	.3	4.9
4	19.3	28.1	22.0	84.3	0.0	0.0	0.0	2.4
5	17.2	30.1	23.1	79.3	0.0	13.4	13.4	8.5
6	19.0	28.8	23.5	84.0	2.2	4.7	6.9	3.8
7	19.1	25.9	21.2	88.3	6.5	0.0	6.5	1.1
8	16.9	26.2	21.8	85.3	1.2	7.1	8.3	4.7
9	17.0	27.0	21.7	85.3	4.3	.3	4.6	4.0
10	17.6	27.4	22.6	87.7	.3	.6	.9	3.3
11	18.7	27.1	22.7	88.7	.9	5.7	6.6	4.5
12	19.0	26.1	22.0	88.7	.2	1.9	2.1	2.2
13	18.7	26.2	22.3	83.3	2.6	0.0	2.6	1.4
14	17.0	27.3	22.5	84.7	.4	35.0	35.4	4.7
15	18.2	28.2	23.0	84.7	1.4	4.0	5.4	5.2
16	17.8	28.1	22.0	83.0	0.0	0.0	0.0	6.3
17	18.0	29.0	22.3	84.3	0.0	0.0	0.0	4.8
18	19.0	27.2	22.5	87.3	0.0	0.0	0.0	1.4
19	17.1	28.8	22.5	85.3	.5	8.6	9.1	6.1
20	18.1	24.9	20.9	93.0	9.9	2.0	11.9	.8
21	19.0	25.0	20.9	95.3	24.7	1.3	26.0	0.0
22	18.1	26.0	21.0	89.7	40.2	36.2	76.4	.5
23	18.7	25.8	21.3	85.3	0.0	0.0	0.0	3.1
24	16.7	26.5	21.6	86.3	0.0	0.0	0.0	6.4
25	19.0	24.9	21.4	87.0	0.0	0.0	0.0	0.0
26	17.2	25.0	22.0	88.7	0.0	0.0	0.0	2.0
27	18.5	27.5	22.4	87.0	10.4	20.2	30.6	3.5
28	18.2	24.8	20.6	93.7	0.0	0.0	0.0	2.7
29	17.8	25.0	21.5	88.0	0.0	1.1	1.1	1.6
30	19.2	27.0	22.2	86.0	21.0	8.0	29.0	3.1
31								
Total :					126.7	150.4	277.1	104.9
Promedio :	18.1	27.0	22.0	86.6				

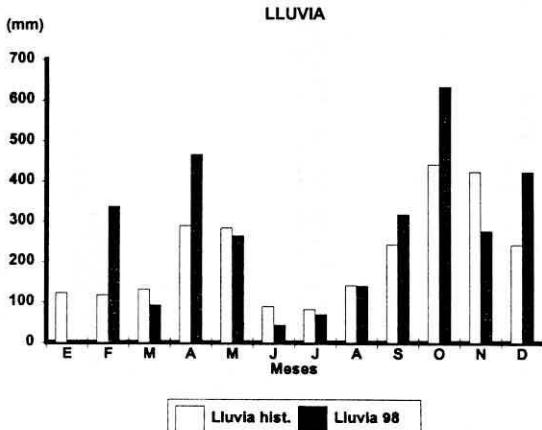
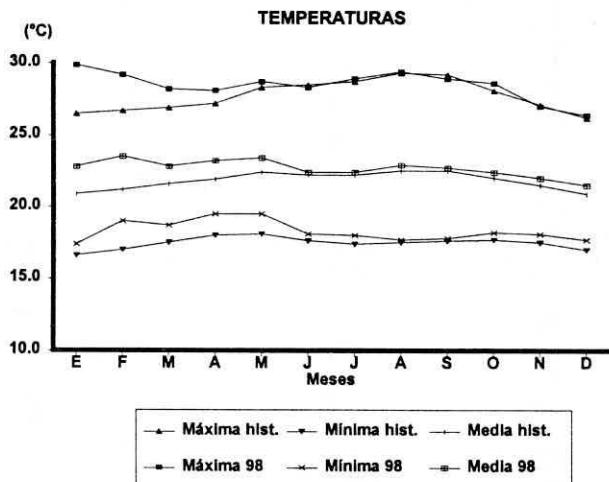
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.7	26.2	21.7	87.7	35.0	.2	35.2	2.7
2	18.9	26.0	22.2	89.7	0.0	1.3	1.3	2.7
3	19.0	28.0	23.4	86.0	0.0	71.0	71.0	5.4
4	19.1	28.5	23.3	84.3	0.0	0.0	0.0	3.5
5	18.9	29.0	23.8	85.7	0.0	17.1	17.1	6.6
6	19.8	27.2	23.0	88.3	.1	27.7	27.8	3.3
7	18.0	25.8	21.5	90.3	0.0	34.5	34.5	1.6
8	19.2	27.1	21.7	85.7	26.5	2.9	29.4	3.4
9	19.1	28.5	23.5	85.0	5.4	21.5	26.9	5.6
10	18.0	27.2	22.3	88.7	0.0	48.5	48.5	5.1
11	19.2	27.1	22.2	89.3	0.0	0.0	0.0	1.8
12	18.7	24.7	21.5	92.3	0.0	0.0	0.0	.4
13	17.0	27.1	22.0	86.7	0.0	0.0	0.0	4.9
14	18.6	26.8	22.0	86.3	0.0	0.0	0.0	1.7
15	18.6	25.5	21.0	90.7	0.0	0.0	0.0	1.6
16	16.0	26.5	21.0	83.0	0.0	0.0	0.0	2.4
17	17.0	26.8	21.8	89.3	0.0	0.0	0.0	4.7
18	18.0	26.9	22.3	88.0	.3	.2	.5	4.9
19	17.6	26.2	20.9	88.0	20.8	2.9	23.7	2.9
20	17.2	25.2	21.2	89.7	0.0	4.3	4.3	3.2
21	18.0	25.8	21.3	89.7	1.4	0.0	1.4	3.6
22	15.4	25.0	18.8	92.7	2.5	0.0	2.5	1.5
23	15.0	23.8	18.8	90.3	32.6	9.2	41.8	2.3
24	15.1	25.0	19.8	86.7	0.0	0.0	0.0	3.7
25	15.8	26.4	20.8	85.0	1.3	2.1	3.4	5.8
26	16.0	26.0	19.6	85.7	17.7	0.0	17.7	3.1
27	16.1	25.4	19.8	90.7	3.2	0.0	3.2	2.8
28	15.7	25.2	21.2	90.0	0.0	30.6	30.6	3.3
29	18.8	27.1	22.0	88.3	1.4	0.0	1.4	4.3
30	17.5	26.2	22.0	88.7	0.0	0.0	0.0	2.8
31	17.9	25.0	20.0	92.0	1.6	0.0	1.6	2.5
Total :					149.8	274.0	423.8	104.1
Promedio :	17.7	26.4	21.5	88.2				

Estación : FRANCISCO ROMERO  
Año : 1998

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.	Días Lluvia	Brillo Sol. (h)
Enero	17.4	29.9	22.8	32.8	12.8	72.6	54	6	155.1
Febrero	19.0	29.2	23.5	34.0	17.4	76.7	337.8	11	118.0
Marzo	18.7	28.2	22.8	31.5	15.2	78.9	93.7	10	93.1
Abril	19.5	28.1	23.2	32.3	17.0	82.6	468.4	24	90.3
Mayo	19.5	28.7	23.4	31.2	18.0	81.1	265.5	19	118.6
Junio	18.1	28.3	22.4	31.2	16.4	78.6	44.2	17	126.0
Julio	18.0	28.9	22.4	31.3	16.2	75.9	70.7	13	157.0
Agosto	17.7	29.4	22.9	32.1	16.0	74.2	141.0	10	151.4
Septiembre	17.8	28.9	22.7	31.5	16.0	76.7	318.5	21	134.3
Octubre	18.2	28.6	22.4	31.0	16.1	81.2	634.1	22	142.3
Noviembre	18.1	27.0	22.0	30.1	16.7	86.6	277.1	19	104.9
Diciembre	17.7	26.4	21.5	29.0	15.0	88.2	423.8	21	104.1
Promedio :	18.3	28.5	22.7			79.4			
Absoluta :				34.0	12.8				
Total :							3080.2	193	1495.1



Estación : BLONAY  
Año : 1998

Dpto. : NORTE SANTANDER  
Mpio. : CHINACOTA

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.5	24.0	19.8	79.3	0.0	0.0	0.0	.9
2	13.5	29.0	19.2	58.7	0.0	0.0	0.0	8.2
3	13.2	30.0	20.4	57.0	0.0	0.0	0.0	8.1
4	15.1	31.5	21.7	66.3	0.0	0.0	0.0	7.8
5	15.2	31.0	22.1	69.0	0.0	0.0	0.0	7.8
6	15.8	30.0	22.3	66.7	0.0	0.0	0.0	6.9
7	16.0	29.8	22.7	68.7	0.0	0.0	0.0	6.9
8	16.8	29.0	22.6	73.3	0.0	0.0	0.0	6.5
9	17.0	27.6	22.2	71.0	0.0	0.0	0.0	3.1
10	16.6	26.0	20.6	76.3	0.0	0.0	0.0	3.0
11	15.8	29.4	21.4	69.7	0.0	0.0	0.0	5.0
12	16.6	28.6	21.6	71.0	0.0	0.0	0.0	2.9
13	15.0	28.0	21.5	75.0	0.0	0.0	0.0	3.5
14	16.0	27.0	21.1	77.3	0.0	0.0	0.0	4.2
15	15.4	27.8	21.6	70.0	0.0	0.0	0.0	5.7
16	15.0	29.8	21.7	65.7	0.0	0.0	0.0	4.0
17	16.5	28.8	21.9	67.7	0.0	0.0	0.0	7.9
18	15.8	28.6	22.2	67.7	0.0	0.0	0.0	7.5
19	16.0	28.7	22.6	69.0	0.0	0.0	0.0	6.1
20	18.0	28.8	22.6	75.7	0.0	0.0	0.0	6.0
21	17.0	30.0	22.9	74.0	0.0	0.0	0.0	6.8
22	16.0	29.0	22.2	72.0	0.0	0.0	0.0	8.0
23	15.5	28.5	22.3	64.7	0.0	0.0	0.0	8.5
24	14.0	28.0	21.9	60.0	0.0	0.0	0.0	7.2
25	14.5	28.8	22.2	62.7	0.0	0.0	0.0	7.9
26	14.9	29.3	21.2	64.3	0.0	0.0	0.0	8.4
27	15.0	31.0	22.9	60.0	0.0	0.0	0.0	3.8
28	18.0	30.0	23.6	66.3	0.0	0.0	0.0	4.2
29	16.5	30.5	23.6	66.3	0.0	0.0	0.0	7.0
30	18.0	29.5	23.3	72.3	0.0	0.0	0.0	5.6
31	17.8	30.7	23.2	75.7	.3	0.0	.3	5.3
Total :	15.9	29.0	22.0	68.8	.3	0.0	.3	184.7
Promedio :								
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.5	28.0	23.2	78.3	0.0	0.0	0.0	2.4
2	19.8	32.6	24.2	61.3	0.0	0.0	0.0	6.4
3	17.0	31.9	24.0	64.0	0.0	0.0	0.0	7.6
4	17.5	30.0	22.8	72.0	0.0	0.0	0.0	5.4
5	17.5	25.0	20.5	90.0	.1	0.0	.1	2.9
6	17.8	27.2	21.7	90.7	.5	0.0	.5	2.0
7	18.0	29.2	23.2	72.7	0.0	.9	.9	2.2
8	19.1	25.0	20.9	85.7	70.3	32.8	103.1	.1
9	18.8	23.0	19.8	96.0	9.0	3.3	12.3	0.0
10	18.5	20.8	19.1	93.3	.2	.6	.8	0.0
11	18.0	21.1	18.8	94.0	.2	.1	.3	0.0
12	16.5	24.9	19.4	92.3	0.0	.2	.2	3.4
13	16.8	22.5	19.6	92.7	.5	0.0	.5	0.0
14	17.0	27.5	21.6	76.7	0.0	0.0	0.0	2.0
15	17.0	29.0	21.9	77.7	0.0	0.0	0.0	8.2
16	18.5	27.5	22.2	77.3	0.0	.1	.1	3.5
17	16.8	29.4	22.1	73.7	0.0	0.0	0.0	8.4
18	15.9	30.2	22.5	68.3	0.0	0.0	0.0	7.1
19	14.5	29.9	22.0	70.3	0.0	0.0	0.0	8.0
20	15.0	29.0	22.1	69.0	0.0	0.0	0.0	6.8
21	14.8	28.7	21.6	66.3	0.0	0.0	0.0	6.7
22	15.8	27.4	21.9	68.7	0.0	0.0	0.0	3.7
23	15.5	28.5	22.6	70.7	0.0	0.0	0.0	7.6
24	17.5	29.8	23.2	71.0	0.0	6.1	6.1	5.9
25	17.8	26.2	22.0	80.0	0.0	0.0	0.0	3.0
26	16.0	27.8	21.0	82.3	0.0	0.0	0.0	5.2
27	15.5	28.2	22.4	75.7	0.0	0.0	0.0	7.8
28	15.0	28.6	22.0	73.3	0.0	0.0	0.0	7.9
29								
30								
31								
Total :	17.1	27.5	21.7	78.0	80.8	44.1	124.9	124.2
Promedio :								

Estación : BLONAY  
Año : 1998

Dpto. : NORTE SANTANDER  
Mpio. : CHINACOTA

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.5	29.0	22.9	73.7	0.0	0.0	0.0	6.9
2	14.0	29.2	22.8	70.0	0.0	0.0	0.0	7.5
3	16.0	30.5	22.3	66.0	0.0	0.0	0.0	6.5
4	18.0	26.0	20.8	79.7	0.0	0.0	0.0	1.3
5	18.1	25.5	21.4	88.0	0.0	0.0	0.0	.8
6	17.9	28.6	22.2	73.7	0.0	0.0	0.0	1.5
7	18.2	28.5	21.9	72.0	0.0	0.0	0.0	2.7
8	18.0	30.7	22.6	69.0	0.0	0.0	0.0	4.8
9	17.0	30.0	22.7	68.0	0.0	0.0	0.0	7.1
10	17.5	29.5	23.5	70.3	0.0	0.0	0.0	7.3
11	16.8	28.0	20.8	83.7	0.0	0.0	0.0	3.7
12	15.8	22.9	19.3	85.7	0.0	0.0	0.0	.4
13	14.0	27.0	21.0	75.3	0.0	0.0	0.0	4.0
14	14.8	27.5	21.5	68.7	0.0	0.0	0.0	5.3
15	18.0	28.2	22.3	74.3	0.0	0.0	0.0	4.0
16	18.3	28.9	22.7	72.3	0.0	0.0	0.0	2.7
17	17.5	28.2	22.7	70.3	0.0	0.0	0.0	5.1
18	17.0	29.5	22.4	67.3	0.0	0.0	0.0	5.4
19	16.2	28.6	22.4	68.3	0.0	0.0	0.0	5.4
20	16.9	29.2	23.2	70.7	0.0	0.0	0.0	.1
21	17.5	27.5	22.4	72.7	0.0	0.0	0.0	3.6
22	17.8	31.5	23.3	66.7	0.0	0.0	0.0	0.0
23	19.0	27.0	21.2	74.0	.1	0.0	.1	0.0
24	16.0	27.5	21.9	78.3	0.0	0.0	0.0	1.6
25	17.0	27.8	22.4	71.0	0.0	0.0	0.0	1.1
26	18.0	24.0	20.5	86.3	0.0	0.0	0.0	.1
27	17.4	24.5	21.0	84.3	0.0	25.6	25.6	0.0
28	17.5	25.0	21.0	83.7	0.0	10.8	10.8	0.0
29	17.8	21.2	19.9	92.3	0.0	10.0	10.0	0.0
30	18.5	21.7	20.0	93.3	9.9	0.0	9.9	0.0
31	18.4	21.5	19.8	91.7	2.8	.6	3.4	0.0
Total :				76.2	12.8	47.0	59.8	91.5
Promedio :	17.1	27.2	21.8					

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.1	26.5	21.6	81.3	0.0	.2	.2	2.2
2	18.2	24.3	20.9	86.0	28.4	0.0	28.4	1.0
3	18.4	23.0	20.5	90.3	1.1	0.0	1.1	0.0
4	18.3	27.0	22.2	81.0	0.0	0.0	0.0	2.7
5	17.4	28.4	22.8	81.0	0.0	0.0	0.0	4.3
6	17.5	28.5	22.5	80.0	14.2	0.0	14.2	6.0
7	19.0	28.2	23.0	83.0	34.9	0.0	34.9	0.0
8	18.5	28.1	22.2	82.0	.5	0.0	.5	3.9
9	17.4	30.0	21.8	80.7	0.0	0.0	0.0	4.8
10	15.8	29.5	22.0	76.7	.2	0.0	.2	7.7
11	16.0	30.0	22.6	73.0	0.0	0.0	0.0	7.7
12	18.5	26.5	21.0	83.0	21.8	4.6	26.4	2.7
13	18.0	23.4	20.8	86.7	0.0	10.8	10.8	.1
14	18.5	25.5	20.9	88.0	3.8	6.2	10.0	.4
15	19.5	26.5	21.8	81.7	0.0	0.0	0.0	3.1
16	18.0	25.5	21.8	81.0	0.0	2.9	2.9	.4
17	19.0	27.8	23.2	81.0	0.0	0.0	0.0	2.6
18	18.5	26.4	21.4	88.3	5.1	2.2	7.3	.7
19	19.5	22.5	20.5	93.3	5.9	0.0	5.9	0.0
20	19.0	27.5	22.2	81.0	0.0	2.6	2.6	3.6
21	19.8	28.0	22.4	80.0	.6	0.0	.6	3.7
22	17.8	30.0	22.6	76.0	0.0	0.0	0.0	6.4
23	17.0	30.5	22.2	72.3	0.0	0.0	0.0	5.9
24	17.4	25.8	20.0	95.3	6.6	0.0	6.6	.3
25	17.5	27.8	22.4	81.3	.4	1.0	1.4	2.9
26	19.5	25.0	21.0	86.7	5.9	0.0	5.9	.3
27	17.5	26.8	21.2	86.0	10.8	2.9	13.7	3.9
28	17.4	26.5	21.0	87.7	3.9	0.0	3.9	4.3
29	19.0	25.0	21.5	87.0	0.0	.8	.8	2.8
30	18.5	29.0	22.2	80.0	.2	.7	.9	5.3
31								
Total :				83.0	144.3	34.9	179.2	89.7
Promedio :	18.1	27.0	21.7					

Estación : BLONAY  
Año : 1998

Dpto. : NORTE SANTANDER  
Mpio. : CHINACOTA

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

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.7	26.5	22.0	86.3	0.0	0.0	0.0	3.7
2	16.5	26.0	20.7	84.0	0.0	0.0	0.0	1.5
3	18.0	25.5	21.2	85.3	12.8	3.0	15.8	1.4
4	18.3	25.8	21.8	87.0	.3	0.0	.3	.1
5	17.0	26.2	21.2	82.3	1.5	.3	1.8	1.1
6	18.0	24.5	20.6	90.7	14.2	1.0	15.2	0.0
7	17.2	27.0	21.0	83.7	1.0	10.5	11.5	1.3
8	18.1	25.0	20.5	86.0	.7	.4	1.1	1.7
9	17.8	28.5	21.8	82.0	0.0	0.0	0.0	5.9
10	17.2	28.2	22.3	73.3	.3	0.0	.3	8.0
11	18.0	28.0	20.7	84.7	12.1	.3	12.4	5.9
12	17.5	27.8	22.0	81.0	0.0	0.0	0.0	1.9
13	15.4	29.0	20.9	77.7	0.0	0.0	0.0	5.9
14	15.0	29.5	20.8	81.3	0.0	.4	.4	7.9
15	16.0	26.5	21.7	82.3	0.0	0.0	0.0	2.6
16	16.5	27.5	22.1	79.0	0.0	1.6	1.6	7.1
17	18.0	25.5	21.0	87.0	1.4	5.1	6.5	.1
18	18.5	27.2	21.4	85.7	4.2	0.0	4.2	1.6
19	19.5	28.8	22.6	78.0	.2	0.0	.2	2.9
20	16.9	27.5	22.0	80.0	0.0	7.4	7.4	5.8
21	17.5	28.2	22.0	82.3	0.0	0.0	0.0	5.1
22	17.5	28.5	21.6	83.3	0.0	13.6	13.6	4.4
23	18.0	25.5	21.4	89.0	0.0	0.0	0.0	1.4
24	17.7	27.0	20.8	85.0	.2	0.0	.2	2.5
25	17.5	28.0	21.1	85.0	.1	0.0	.1	2.4
26	18.0	25.0	20.9	83.7	.1	3.6	3.7	0.0
27	18.2	26.2	21.3	85.7	4.0	0.0	4.0	2.0
28	17.0	22.2	19.9	92.7	4.5	0.0	4.5	0.0
29	16.4	26.0	21.0	85.7	.6	0.0	.6	2.7
30	17.8	26.0	21.2	82.0	1.7	0.0	1.7	.9
31	15.5	28.0	21.8	83.0	0.0	0.0	0.0	3.9
Total :					59.9	47.2	107.1	91.7
Promedio :	17.4	26.8	21.3	83.7				

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.5	26.0	21.2	84.0	4.4	8.3	12.7	1.3
2	16.2	28.2	21.6	79.0	.3	0.0	.3	6.5
3	17.5	22.6	18.9	93.0	8.1	.5	8.6	0.0
4	16.8	27.8	21.9	79.3	0.0	5.1	5.1	7.1
5	17.2	28.2	21.4	80.3	0.0	0.0	0.0	3.9
6	16.8	28.0	20.5	82.0	3.7	.1	3.8	4.8
7	17.0	27.5	20.0	93.3	21.9	9.2	31.1	3.2
8	17.5	20.8	18.5	93.0	4.6	0.0	4.6	0.0
9	16.0	24.2	18.3	92.3	.9	0.0	.9	2.5
10	14.5	28.5	20.6	75.0	0.0	0.0	0.0	8.4
11	16.0	28.0	21.4	77.7	0.0	0.0	0.0	4.4
12	17.0	27.4	21.0	76.3	0.0	0.0	0.0	2.2
13	16.0	29.5	21.2	79.0	0.0	.1	.1	8.5
14	16.5	27.5	21.8	82.7	0.0	8.4	8.4	6.4
15	17.5	23.5	19.4	88.3	4.2	1.7	5.9	.1
16	16.0	25.0	20.0	86.3	.8	0.0	.8	.5
17	17.5	25.8	20.8	84.7	0.0	0.0	0.0	1.8
18	15.0	28.5	20.3	78.0	0.0	0.0	0.0	5.5
19	15.5	29.0	21.4	74.3	0.0	0.0	0.0	8.8
20	17.5	27.8	20.7	79.7	1.4	1.2	2.6	2.9
21	16.0	26.5	20.0	86.0	0.0	0.0	0.0	2.7
22	16.5	24.5	19.8	86.7	2.0	.7	2.7	1.7
23	17.0	24.5	18.4	91.3	8.2	0.0	8.2	.2
24	16.0	23.4	19.3	86.3	3.3	0.0	3.3	.7
25	17.0	22.0	19.8	89.3	1.8	0.0	1.8	1.4
26	15.0	28.0	21.5	75.3	0.0	0.0	0.0	7.6
27	16.1	27.5	21.6	79.0	0.0	0.0	0.0	3.3
28	16.0	25.0	19.7	85.3	3.5	0.0	3.5	1.0
29	16.5	29.5	21.5	70.7	0.0	0.0	0.0	3.7
30	16.0	26.5	19.6	81.7	3.0	0.0	3.0	2.3
31								
Total :					72.1	35.3	107.4	103.4
Promedio :	16.4	26.4	20.4	83.0				

Estación : BLONAY  
Año : 1998

Dpto. : NORTE SANTANDER  
Mpio. : CHINACOTA

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

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.5	25.0	20.5	80.0	.5	0.0	.5	.7
2	16.0	29.5	21.6	69.0	0.0	0.0	0.0	5.9
3	15.5	25.8	20.0	80.0	16.2	0.0	16.2	2.6
4	16.2	28.5	21.4	76.3	3.4	.5	3.9	6.7
5	17.4	24.0	19.8	86.7	0.0	0.0	0.0	.2
6	16.5	26.2	19.8	80.0	29.7	0.0	29.7	4.0
7	16.2	25.5	19.7	80.0	0.0	1.2	1.2	3.9
8	16.4	24.2	19.9	87.0	4.7	0.0	4.7	1.3
9	15.0	24.8	19.8	91.0	0.0	9.0	9.0	2.5
10	16.0	20.2	17.2	94.7	12.0	0.0	12.0	0.0
11	14.5	25.0	19.0	81.3	.1	0.0	.1	2.4
12	15.2	28.0	20.7	78.3	0.0	0.0	0.0	8.8
13	16.5	27.2	20.8	79.0	.1	11.5	11.6	5.9
14	16.5	27.0	20.8	77.7	0.0	0.0	0.0	7.9
15	15.5	25.4	20.0	82.7	.1	0.0	.1	1.5
16	15.0	26.5	19.6	80.3	2.4	0.0	2.4	3.7
17	16.4	28.0	21.3	73.0	0.0	0.0	0.0	6.4
18	16.8	27.0	19.8	78.0	1.0	0.0	1.0	5.3
19	15.5	27.5	20.4	79.0	.2	0.0	.2	2.8
20	14.5	28.8	21.3	72.7	0.0	0.0	0.0	6.9
21	16.5	30.5	21.6	71.3	0.0	0.0	0.0	8.6
22	18.0	28.2	21.4	74.7	0.0	0.0	0.0	2.9
23	16.3	27.5	20.2	79.7	.1	0.0	.1	4.6
24	15.5	27.7	20.4	76.7	0.0	0.0	0.0	4.2
25	15.0	28.0	21.6	69.7	0.0	9.8	9.8	5.6
26	15.8	28.5	20.0	79.0	1.1	0.0	1.1	5.9
27	16.5	26.5	20.8	78.3	0.0	.5	.5	2.7
28	18.0	25.8	21.4	79.0	0.0	0.0	0.0	1.7
29	16.4	28.5	21.2	79.3	1.8	0.0	1.8	5.8
30	16.2	25.8	21.0	85.0	0.0	0.0	0.0	5.9
31	16.3	26.0	20.4	84.3	.4	.1	.5	2.1
Total :					73.8	32.6	106.4	
Promedio :	16.1	26.7	20.4	79.5				129.4

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.1	24.4	20.0	81.3	0.0	0.0	0.0	1.9
2	15.0	28.1	20.4	79.0	0.0	0.0	0.0	7.2
3	15.7	28.2	20.6	77.3	.2	.5	.7	9.0
4	16.0	27.1	21.0	76.3	.1	0.0	.1	2.8
5	15.9	29.1	22.2	72.7	0.0	0.0	0.0	7.1
6	15.1	27.2	20.8	79.3	5.3	2.7	8.0	3.3
7	15.2	22.1	18.2	86.3	.7	0.0	.7	.2
8	15.0	26.2	19.0	76.0	0.0	0.0	0.0	5.8
9	14.0	27.9	20.0	75.0	0.0	0.0	0.0	.7
10	16.2	28.1	20.8	77.3	0.0	0.0	0.0	2.5
11	15.0	30.9	21.6	68.7	0.0	0.0	0.0	8.7
12	16.0	25.0	19.0	84.3	0.0	0.0	0.0	6.7
13	15.0	26.0	20.0	78.0	3.4	.2	3.6	1.4
14	15.8	26.2	20.2	77.3	3.4	0.0	3.4	1.3
15	16.2	26.8	20.8	75.7	.4	0.0	.4	4.1
16	15.7	22.3	19.0	93.0	.9	0.0	.9	.4
17	15.2	25.1	19.2	80.3	6.7	0.0	6.7	1.7
18	15.0	29.1	21.4	69.3	0.0	0.0	0.0	7.3
19	18.0	28.9	21.2	80.7	11.8	0.0	11.8	4.9
20	15.1	29.0	20.8	78.7	.1	0.0	.1	6.6
21	16.0	29.2	21.8	75.3	9.6	14.0	23.6	6.1
22	16.8	27.0	20.8	81.3	.6	0.0	.6	4.2
23	17.0	28.5	21.8	80.3	14.7	0.0	14.7	5.8
24	17.1	28.0	21.4	80.7	.2	0.0	.2	3.3
25	16.8	27.2	20.6	81.7	.8	0.0	.8	2.0
26	16.8	25.2	20.4	78.0	0.0	.1	.1	.8
27	16.0	25.5	19.6	80.7	0.0	0.0	0.0	2.1
28	14.0	28.5	19.6	75.3	0.0	0.0	0.0	4.9
29	14.2	30.1	20.8	76.3	.4	0.0	.4	5.3
30	15.0	28.4	20.4	75.7	0.0	0.0	0.0	4.2
31	16.7	25.9	20.4	81.0	4.1	.5	4.6	1.3
Total :					63.4	18.0	81.4	
Promedio :	15.7	27.1	20.4	78.5				123.6

Estación : BLONAY  
Año : 1998

Dpto. : NORTE SANTANDER  
Mpio. : CHINACOTA

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	28.0	20.4	77.0	1.0	25.5	26.5	2.5
2	16.2	27.1	20.0	81.7	0.0	0.0	0.0	3.4
3	16.8	25.8	20.6	77.0	.3	0.0	.3	1.4
4	14.9	30.0	20.8	74.0	0.0	0.0	0.0	5.1
5	15.8	29.2	20.6	72.0	0.0	0.0	0.0	7.1
6	13.9	29.8	21.2	75.3	0.0	0.0	0.0	7.2
7	16.0	29.7	21.8	75.7	.9	8.3	9.2	5.5
8	16.4	25.8	20.4	85.7	.9	0.0	.9	3.0
9	15.0	28.0	20.6	77.0	.3	.4	.7	4.7
10	16.0	29.2	20.8	79.3	1.6	0.0	1.6	6.3
11	15.8	26.0	19.2	92.3	1.1	0.0	1.1	2.7
12	15.5	25.8	19.7	81.0	1.5	.7	2.2	1.3
13	17.0	25.9	20.2	83.3	0.0	16.1	16.1	2.1
14	16.0	29.2	20.7	77.0	8.9	.5	9.4	4.0
15	17.0	27.1	19.8	91.7	9.9	0.0	9.9	2.6
16	16.0	29.0	21.5	77.3	1.0	.4	1.4	3.4
17	17.0	29.1	21.6	79.3	0.0	0.0	0.0	4.4
18	16.0	28.2	21.5	79.0	9.7	0.0	9.7	3.4
19	16.8	28.1	21.1	81.3	1.5	.8	2.3	5.0
20	16.9	27.0	20.8	82.0	1.7	2.6	4.3	6.4
21	15.8	26.2	20.5	82.3	1.1	0.0	1.1	2.0
22	16.0	28.5	21.8	75.7	0.0	.2	.2	4.8
23	16.0	27.2	21.3	77.7	0.0	1.3	1.3	3.3
24	15.9	25.2	20.7	84.3	.4	7.9	8.3	2.1
25	16.8	27.5	19.9	83.3	4.2	0.0	4.2	4.2
26	16.4	27.8	20.8	80.0	.8	7.2	8.0	2.2
27	16.0	26.8	20.8	78.3	0.0	0.0	0.0	3.8
28	16.8	27.2	20.8	79.7	.2	.1	.3	3.6
29	16.0	27.0	19.8	83.7	1.9	0.0	1.9	3.4
30	15.0	30.8	22.0	68.0	0.0	0.0	0.0	7.4
31								
Total :					48.9	72.0	120.9	118.3
Promedio :	16.1	27.7	20.7	79.7				

Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.4	26.8	20.2	78.3	2.0	0.0	2.0	1.7
2	17.1	25.3	20.6	80.0	0.0	0.0	0.0	.6
3	16.0	27.2	20.8	79.0	.7	.1	.8	1.7
4	16.1	27.4	21.0	81.3	37.5	5.4	42.9	4.3
5	16.5	27.0	20.8	83.7	0.0	0.0	0.0	3.7
6	16.6	27.0	22.0	79.0	11.7	7.7	19.4	3.8
7	16.5	26.8	20.6	84.3	49.8	.5	50.3	2.2
8	17.0	27.2	21.6	78.3	0.0	1.8	1.8	6.5
9	18.0	27.3	21.0	81.3	.3	0.0	.3	2.0
10	16.0	30.1	21.2	78.7	0.0	0.0	0.0	7.4
11	16.2	30.0	22.5	69.7	0.0	0.0	0.0	7.6
12	16.6	29.9	22.5	72.7	3.1	46.5	49.6	6.3
13	18.0	26.3	20.9	82.7	8.9	4.7	13.6	3.0
14	16.8	24.1	20.0	88.7	0.0	0.0	0.0	2.1
15	15.2	28.3	20.6	75.7	.1	0.0	.1	3.4
16	15.1	27.9	21.4	77.7	.5	0.0	.5	5.9
17	16.9	27.2	21.4	81.0	.6	0.0	.6	4.9
18	17.0	28.8	22.1	77.0	2.2	0.0	2.2	7.0
19	17.2	28.1	21.2	78.3	0.0	0.0	0.0	3.9
20	17.0	28.8	21.3	78.7	11.9	0.0	11.9	5.2
21	17.2	26.0	19.6	84.0	4.4	0.0	4.4	1.9
22	16.2	28.0	20.6	79.0	.2	3.8	4.0	4.8
23	16.6	27.8	20.7	80.3	28.4	12.7	41.1	5.4
24	15.9	27.6	21.0	76.7	2.3	15.0	17.3	4.8
25	16.6	24.4	18.4	93.0	14.9	0.0	14.9	2.7
26	15.2	27.2	21.2	76.3	0.0	0.0	0.0	7.4
27	16.6	27.1	20.8	81.3	1.0	22.2	23.2	6.1
28	16.0	28.7	20.6	80.7	28.3	0.0	28.3	5.4
29	16.2	27.2	21.2	82.7	.5	1.1	1.6	5.6
30	18.4	26.0	20.2	83.0	2.0	0.0	2.0	1.5
31	17.0	28.1	20.9	77.0	0.0	0.0	0.0	6.3
Total :					211.3	121.5	332.8	135.1
Promedio :	16.6	27.4	20.9	80.0				

Estación : BLONAY  
Año : 1998

Dpto. : NORTE SANTANDER  
Mpio. : CHINACOTA

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

Noviembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	27.4	20.6	77.7	0.0	0.0	0.0	5.5
2	16.5	28.8	20.3	77.3	3.1	0.0	3.1	6.1
3	15.6	28.2	20.7	84.7	.8	0.0	.8	4.3
4	17.5	27.3	20.9	78.7	0.0	0.0	0.0	2.7
5	15.2	29.9	21.2	76.0	.9	5.0	5.9	8.5
6	16.4	26.2	20.4	82.7	3.5	0.0	3.5	3.6
7	18.0	25.9	19.4	81.3	8.6	0.0	8.6	1.3
8	16.5	24.8	19.3	83.7	1.0	6.0	7.0	4.5
9	15.2	25.8	20.0	81.7	7.5	0.0	7.5	5.0
10	15.9	26.2	20.6	79.7	4.3	0.0	4.3	4.5
11	16.0	25.1	20.0	86.0	.5	3.2	3.7	4.8
12	16.1	23.0	19.0	86.0	0.0	8.6	8.6	1.1
13	15.7	23.1	18.8	84.7	.1	0.0	.1	.8
14	14.8	25.1	19.3	80.3	0.0	.6	.6	5.3
15	16.0	26.1	20.6	81.0	0.0	0.0	0.0	5.3
16	15.2	27.0	20.2	78.0	0.0	0.0	0.0	6.3
17	16.0	28.0	21.0	79.3	0.0	0.0	0.0	7.2
18	16.1	26.0	20.6	80.3	1.1	0.0	1.1	2.4
19	16.0	27.7	20.8	76.3	25.4	22.3	47.7	4.6
20	16.9	23.8	19.8	83.7	.4	.2	.6	.7
21	17.6	22.9	18.8	87.7	56.7	20.4	77.1	.2
22	16.6	23.0	18.9	87.3	19.8	26.2	46.0	.2
23	17.0	24.1	18.8	87.7	14.7	.2	14.9	3.6
24	14.9	25.0	19.3	82.0	0.0	0.0	0.0	7.5
25	17.0	24.3	19.8	84.3	0.0	0.0	0.0	1.3
26	15.2	23.2	19.2	87.0	0.0	0.0	0.0	3.2
27	16.2	26.0	20.2	80.3	.1	53.7	53.8	4.9
28	15.8	23.2	18.6	88.0	0.0	1.1	1.1	2.1
29	16.4	23.8	19.8	85.0	0.0	0.0	0.0	1.2
30	17.8	24.8	19.8	84.7	2.4	17.7	20.1	2.0
31								
Total :					150.9	165.2	316.1	110.7
Promedio :	16.2	25.5	19.9	82.4				

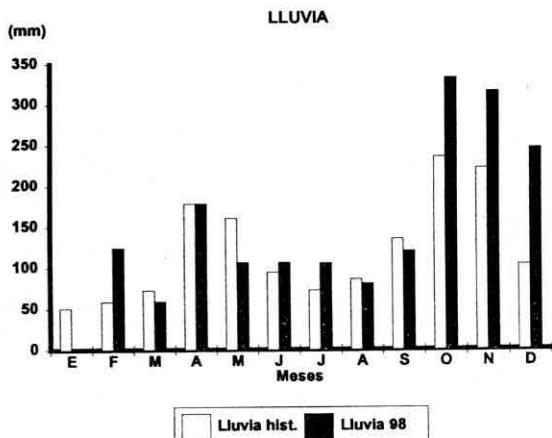
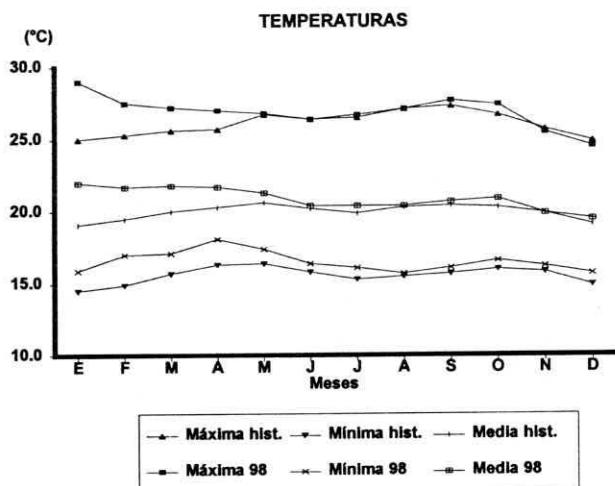
Diciembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.5	25.2	20.0	83.0	3.0	17.8	20.8	3.5
2	17.2	23.0	19.7	86.7	1.0	4.5	5.5	2.0
3	17.1	25.0	20.0	85.7	25.9	30.8	56.7	4.1
4	16.2	25.7	20.5	81.3	0.0	0.0	0.0	3.5
5	16.0	26.0	20.5	79.7	13.8	0.0	13.8	5.5
6	17.0	24.4	20.1	86.7	.8	4.4	5.2	2.5
7	16.0	23.0	19.6	88.7	.6	59.8	60.4	.5
8	17.0	25.0	19.4	84.0	4.9	0.0	4.9	2.3
9	16.0	26.2	20.4	82.0	21.5	4.2	25.7	5.0
10	15.8	24.0	19.0	89.7	0.0	9.0	9.0	2.1
11	16.2	23.0	19.0	88.7	1.1	4.1	5.2	1.7
12	16.0	22.0	18.7	91.0	4.8	0.0	4.8	0.0
13	15.0	25.2	19.6	82.7	0.0	0.0	0.0	5.2
14	14.9	25.2	19.8	81.0	0.0	.1	.1	1.6
15	17.0	24.8	18.9	84.3	.2	0.0	.2	.7
16	15.0	25.5	19.2	80.3	.1	0.0	.1	3.1
17	15.1	24.0	19.8	84.7	0.0	0.0	0.0	4.4
18	15.0	25.0	19.9	84.3	0.0	0.0	0.0	5.0
19	14.9	25.2	18.7	85.0	0.0	0.0	0.0	3.7
20	14.0	23.2	18.8	87.0	0.0	0.0	0.0	4.3
21	15.7	24.2	19.4	84.7	0.0	0.0	0.0	3.0
22	14.8	24.2	18.2	86.7	0.0	0.0	0.0	2.4
23	14.1	22.4	18.0	86.3	3.8	1.2	5.0	2.1
24	13.4	23.5	18.0	86.0	0.0	0.0	0.0	3.7
25	13.8	26.0	19.2	76.7	0.0	0.0	0.0	6.2
26	14.8	25.8	18.7	78.7	27.1	.4	27.5	2.6
27	16.0	23.8	19.2	85.7	.2	.1	.3	2.8
28	15.2	24.2	19.8	83.7	0.0	.3	.3	4.4
29	17.8	25.8	20.7	83.3	0.0	.3	.3	3.5
30	17.0	25.2	21.2	78.7	.3	.6	.9	3.3
31	16.2	25.0	19.4	83.7	0.0	0.0	0.0	3.4
Total :					109.1	137.6	246.7	98.1
Promedio :	15.7	24.5	19.5	84.2				

Estación : BLONAY  
Año : 1998

Dpto. : NORTE SANTANDER  
Mpio. : CHINACOTA

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

MES	TEMPERATURA °C					PRECIPITACION			
	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	15.9	29.0	22.0	31.5	13.2	68.8	.3	1	184.7
Febrero	17.0	27.5	21.7	32.6	14.5	78.0	124.9	11	124.2
Marzo	17.1	27.2	21.8	31.5	14.0	76.2	59.8	6	91.5
Abril	18.1	27.0	21.7	30.5	15.8	83.0	179.2	22	89.7
Mayo	17.4	26.8	21.3	29.5	15.0	83.7	107.1	22	91.7
Junio	16.4	26.4	20.4	29.5	14.5	83.0	107.4	19	103.4
Julio	16.1	26.7	20.4	30.5	14.5	79.5	106.4	20	129.4
Agosto	15.7	27.1	20.4	30.9	14.0	78.5	81.4	19	123.6
Septiembre	16.1	27.7	20.7	30.8	13.9	79.7	120.9	23	118.3
Octubre	16.6	27.4	20.9	30.1	15.1	80.0	332.8	23	135.1
Noviembre	16.2	25.5	19.9	29.9	14.8	82.4	316.1	21	110.7
Diciembre	15.7	24.5	19.5	26.2	13.4	84.2	246.7	20	98.1
Promedio :	16.5	26.9	20.9			79.8			
Absoluta :				32.6	13.2				
Total :							1783.0	207	1400.4



Estación : MARACAY  
Año : 1998

Dpto. : QUINDIO  
Mpio. : QUIMBAYA

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	28.4	22.2	72.7	.3	0.0	.3	4.6
2	15.4	29.6	22.8	66.7	0.0	0.0	0.0	10.4
3	16.0	31.0	23.8	60.3	0.0	0.0	0.0	10.2
4	15.8	31.2	24.0	63.7	0.0	0.0	0.0	9.8
5	16.5	31.2	21.3	77.3	33.9	0.0	33.9	8.5
6	17.5	26.8	21.4	82.7	0.0	0.0	0.0	1.7
7	18.5	25.2	20.6	85.3	22.1	0.0	22.1	.4
8	16.0	29.9	21.6	75.0	0.0	0.0	0.0	9.3
9	16.2	27.8	22.0	72.0	0.0	0.0	0.0	6.2
10	15.5	28.9	22.7	72.0	0.0	0.0	0.0	10.2
11	16.0	30.0	22.8	71.7	0.0	0.0	0.0	9.7
12	16.9	26.0	21.9	83.7	0.0	0.0	0.0	.3
13	17.5	28.0	21.7	79.0	5.1	0.0	5.1	5.3
14	16.9	27.0	21.0	79.0	0.0	3.6	3.6	3.7
15	17.4	29.7	22.6	75.3	0.0	0.0	0.0	7.5
16	16.5	29.8	23.0	69.3	0.0	0.0	0.0	6.7
17	17.0	29.0	22.8	72.7	0.0	0.0	0.0	6.9
18	16.0	29.8	22.6	67.7	0.0	0.0	0.0	7.9
19	17.5	29.5	22.2	75.0	0.0	0.0	0.0	5.0
20	17.0	28.8	22.3	78.0	0.0	0.0	0.0	4.9
21	17.5	31.6	24.0	71.0	0.0	0.0	0.0	9.2
22	17.7	29.8	23.6	70.3	0.0	0.0	0.0	7.5
23	17.4	30.5	23.9	73.3	0.0	0.0	0.0	6.3
24	17.8	30.0	23.0	70.7	0.0	0.0	0.0	7.7
25	17.0	30.9	23.2	66.0	0.0	0.0	0.0	8.7
26	16.0	31.3	23.4	65.7	0.0	0.0	0.0	9.6
27	16.2	28.9	22.8	70.0	0.0	0.0	0.0	6.4
28	17.5	29.3	22.2	80.3	4.3	0.0	4.3	3.8
29	16.0	30.5	24.2	63.7	0.0	0.0	0.0	9.0
30	18.0	29.8	23.7	69.0	0.0	0.0	0.0	5.1
31	17.3	31.3	24.3	69.7	0.0	0.0	0.0	8.8
Total :					65.7	3.6	69.3	
Promedio :	16.8	29.4	22.7	72.5				211.3

Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	32.5	24.4	62.7	0.0	0.0	0.0	8.7
2	18.3	30.0	23.2	73.3	3.5	0.0	3.5	5.8
3	18.0	28.0	21.2	83.7	6.8	.2	7.0	.7
4	17.5	29.3	23.2	74.7	0.0	0.0	0.0	7.2
5	18.4	25.5	21.9	83.0	0.0	4.2	4.2	.1
6	18.0	28.5	23.4	72.3	0.0	6.5	6.5	4.2
7	19.2	27.5	22.5	77.3	0.0	38.0	38.0	3.4
8	18.2	22.5	20.3	92.0	2.6	14.2	16.8	0.0
9	17.6	24.0	20.5	83.0	.3	3.6	3.9	.4
10	18.4	23.5	20.5	87.0	0.0	0.0	0.0	0.0
11	18.5	24.5	21.1	79.7	.1	0.0	.1	0.0
12	17.0	27.0	21.2	80.3	0.0	0.0	0.0	1.0
13	16.4	28.8	21.4	79.3	1.0	2.9	3.9	6.2
14	17.0	25.0	20.2	82.7	.5	3.2	3.7	.7
15	16.3	29.0	22.8	71.7	0.0	0.0	0.0	8.3
16	16.5	31.5	25.0	56.3	0.0	0.0	0.0	9.6
17	16.0	31.3	24.8	60.0	0.0	0.0	0.0	9.6
18	17.5	28.8	23.1	69.3	0.0	0.0	0.0	5.5
19	17.0	28.5	22.8	71.7	0.0	0.0	0.0	3.8
20	16.6	28.0	22.1	75.7	0.0	0.0	0.0	4.1
21	18.5	27.8	22.3	75.3	0.0	0.0	0.0	4.3
22	17.4	29.0	22.3	68.7	0.0	0.0	0.0	6.9
23	18.0	27.0	21.5	79.0	.3	.1	.4	1.7
24	17.7	28.5	23.2	74.3	0.0	0.0	0.0	4.2
25	17.0	30.0	23.0	74.0	0.0	0.0	0.0	6.9
26	17.5	29.0	21.7	75.7	0.0	0.0	0.0	6.8
27	17.0	29.5	21.2	76.3	20.9	0.0	20.9	5.4
28	17.5	29.8	22.8	68.3	0.0	0.0	0.0	5.2
29								
30								
31								
Total :					36.0	72.9	108.9	120.7
Promedio :	17.5	28.0	22.3	75.3				

Estación : MARACAY  
Año : 1998

Dpto. : QUINDIO  
Mpio. : QUIMBAYA

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.5	29.0	21.6	80.7	2.0	2.0	4.0	6.6
2	18.5	23.5	20.5	91.7	.2	0.0	.2	.3
3	16.0	29.0	23.0	69.0	0.0	0.0	0.0	9.3
4	17.0	29.8	22.3	75.3	0.0	0.0	0.0	6.7
5	17.5	28.0	22.7	73.3	0.0	0.0	0.0	4.3
6	17.0	27.5	21.3	80.7	0.0	0.0	0.0	1.6
7	17.5	26.0	20.8	83.0	6.6	6.1	12.7	1.0
8	17.0	28.8	22.2	74.3	0.0	0.0	0.0	5.7
9	17.2	27.0	20.2	82.3	7.0	0.0	7.0	3.4
10	16.5	27.8	21.0	78.3	8.0	0.0	8.0	5.9
11	18.0	27.8	21.0	76.7	.1	0.0	.1	3.5
12	17.3	28.8	22.8	67.0	0.0	0.0	0.0	8.0
13	17.5	29.8	21.3	77.7	13.4	0.0	13.4	6.8
14	16.5	29.0	20.8	75.0	.4	0.0	.4	3.3
15	16.8	28.0	22.0	73.3	0.0	0.0	0.0	4.8
16	18.0	29.5	22.2	72.0	0.0	0.0	0.0	5.5
17	17.4	29.8	22.7	75.7	0.0	0.0	0.0	4.2
18	18.5	30.5	22.6	69.3	3.3	0.0	3.3	6.7
19	17.7	29.8	23.4	71.7	0.0	0.0	0.0	3.8
20	18.2	27.5	21.4	80.7	.2	0.0	.2	0.0
21	17.0	28.0	23.2	71.0	0.0	0.0	0.0	4.4
22	16.8	30.0	20.8	74.7	5.8	8.2	14.0	7.6
23	17.2	23.5	18.9	91.7	.7	.4	1.1	.6
24	15.5	26.5	21.8	77.0	6.2	0.0	6.2	4.2
25	17.0	30.0	20.8	80.3	17.2	6.2	23.4	9.0
26	16.8	27.5	20.6	83.3	.8	1.4	2.2	3.7
27	16.2	25.8	21.4	84.0	0.0	21.3	21.3	.8
28	16.9	26.5	20.8	79.7	2.7	.4	3.1	2.0
29	17.6	27.0	20.2	83.0	7.4	23.8	31.2	1.5
30	17.3	25.5	20.0	84.7	54.4	4.3	58.7	.8
31	17.5	28.4	20.8	85.0	23.8	.1	23.9	4.4
Total :	17.2	27.9	21.5	78.1	160.2	74.2	234.4	130.4
Promedio :								

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	27.5	22.0	81.3	3.1	77.2	80.3	2.6
2	18.5	26.5	21.7	83.0	25.8	2.7	28.5	3.1
3	19.3	25.0	21.4	81.0	0.0	7.9	7.9	.8
4	18.3	27.5	21.8	78.3	.1	.1	.2	3.7
5	18.0	28.5	22.1	73.0	0.0	0.0	0.0	5.8
6	17.4	26.5	19.9	85.7	59.3	3.0	62.3	.6
7	17.5	27.5	22.3	77.0	0.0	0.0	0.0	5.1
8	19.3	27.5	22.2	85.3	.1	0.0	.1	2.3
9	18.5	27.8	22.0	80.3	0.0	0.0	0.0	4.6
10	18.0	27.5	21.5	78.3	0.0	0.0	0.0	3.9
11	17.4	23.8	19.8	87.7	32.8	0.0	32.8	0.0
12	17.0	26.5	21.3	78.3	0.0	0.0	0.0	3.4
13	17.7	27.5	21.5	76.7	10.8	8.6	19.4	2.9
14	17.0	27.5	21.8	78.7	0.0	.6	.6	2.7
15	18.5	28.5	22.1	77.3	0.0	2.7	2.7	3.1
16	18.0	27.5	22.2	80.3	.2	.6	.8	4.9
17	18.5	27.0	22.6	76.0	0.0	0.0	0.0	1.8
18	19.0	25.6	21.6	80.7	0.0	.2	.2	.6
19	18.0	26.5	20.6	82.3	57.8	5.2	63.0	1.0
20	18.5	26.0	21.8	82.3	1.3	0.0	1.3	1.7
21	19.5	27.0	22.2	82.3	8.9	0.0	8.9	1.9
22	18.5	28.0	22.2	82.3	8.1	13.7	21.8	4.3
23	18.8	25.5	22.1	82.3	0.0	.4	.4	0.0
24	19.5	26.5	22.0	80.7	2.5	.6	3.1	2.6
25	18.1	28.0	21.4	81.0	1.4	21.9	23.3	5.4
26	18.0	24.0	19.8	89.0	2.7	.7	3.4	.1
27	18.5	27.5	22.1	82.3	0.0	.4	.4	5.0
28	20.0	25.5	21.9	83.3	1.8	0.0	1.8	.8
29	18.0	27.5	23.4	75.7	.8	1.2	2.0	4.5
30	20.0	27.0	21.7	78.0	16.9	.2	17.1	2.3
31								
Total :	18.4	26.8	21.7	80.7	234.4	147.9	382.3	81.5
Promedio :								

Estación : MARACAY  
Año : 1998

Dpto. : QUINDIO  
Mpio. : QUIMBAYA

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

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.8	25.0	20.4	87.3	8.1	.9	9.0	.5
2	17.0	25.5	21.4	80.0	0.0	19.7	19.7	1.4
3	16.8	22.5	18.7	91.3	16.9	27.9	44.8	.5
4	17.0	23.0	18.7	87.3	7.9	.2	8.1	.1
5	16.7	24.8	20.8	82.7	1.3	.7	2.0	.7
6	17.5	26.5	21.6	78.0	0.0	2.8	2.8	2.5
7	18.5	27.0	21.8	76.3	.7	9.4	10.1	4.1
8	18.7	28.5	21.4	77.7	0.0	0.0	0.0	4.4
9	17.0	24.5	20.4	89.3	0.0	0.0	0.0	1.3
10	18.0	28.0	21.7	76.0	0.0	0.0	0.0	5.0
11	19.0	26.5	21.2	80.3	14.0	0.0	14.0	2.8
12	18.2	23.5	20.4	90.7	0.0	0.0	0.0	0.0
13	16.5	28.0	23.2	75.0	0.0	0.0	0.0	6.2
14	17.4	29.5	23.8	69.7	0.0	.2	.2	5.8
15	19.2	24.5	21.4	88.3	0.0	0.0	0.0	0.0
16	17.5	29.5	23.0	70.7	0.0	0.0	0.0	7.4
17	19.6	27.5	22.6	77.7	0.0	.4	.4	1.5
18	18.4	29.5	23.4	72.7	0.0	0.0	0.0	6.4
19	18.6	30.0	24.8	62.7	0.0	0.0	0.0	8.6
20	16.6	29.5	23.8	69.3	0.0	0.0	0.0	9.5
21	18.0	30.0	23.0	75.3	4.1	0.0	4.1	6.7
22	17.4	28.2	23.6	72.7	.6	0.0	.6	6.7
23	18.4	28.4	22.4	79.3	0.0	0.0	0.0	1.3
24	18.5	29.0	21.7	79.3	8.0	0.0	8.0	2.6
25	19.2	25.0	21.8	83.3	.3	73.8	74.1	.6
26	17.8	23.8	19.6	89.0	8.5	14.2	22.7	.3
27	17.6	24.0	19.8	84.3	10.3	.9	11.2	1.2
28	17.8	23.0	19.4	89.0	23.0	15.0	38.0	.1
29	17.0	23.6	20.4	83.3	.1	.2	.3	.2
30	15.5	26.4	20.2	81.3	.4	0.0	.4	1.8
31	17.2	27.4	20.2	78.0	30.6	1.8	32.4	3.3
Total :					134.8	168.1	302.9	93.5
Promedio :	17.8	26.5	21.5	79.9				

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	25.0	20.1	81.3	1.9	2.4	4.3	2.1
2	15.4	24.5	20.1	78.0	0.0	5.1	5.1	4.1
3	16.6	25.0	21.6	77.7	0.0	0.0	0.0	3.3
4	17.0	27.5	21.0	79.0	5.3	0.0	5.3	6.1
5	17.8	26.5	21.2	76.3	0.0	0.0	0.0	3.7
6	16.0	27.0	22.1	70.7	0.0	0.0	0.0	6.1
7	17.4	26.5	20.2	78.7	4.3	0.0	4.3	1.9
8	16.2	27.0	21.6	77.7	1.3	1.6	2.9	1.9
9	18.0	27.0	21.2	81.7	0.0	0.0	0.0	3.1
10	17.4	27.9	21.8	78.0	0.0	0.0	0.0	3.6
11	16.2	27.4	22.0	74.3	0.0	.1	.1	2.8
12	17.8	29.4	22.2	76.3	0.0	0.0	0.0	5.2
13	17.0	30.0	22.0	76.3	16.5	0.0	16.5	9.1
14	16.9	26.5	21.9	75.7	0.0	1.0	1.0	2.8
15	17.5	23.0	19.0	88.0	3.2	7.9	11.1	.1
16	15.4	24.6	20.8	77.7	0.0	0.0	0.0	1.8
17	16.6	26.4	22.4	72.0	.6	0.0	.6	3.2
18	17.0	27.0	20.8	76.7	4.9	0.0	4.9	2.5
19	16.4	26.5	21.6	73.0	.6	.2	.8	4.7
20	17.4	26.4	21.4	76.3	0.0	0.0	0.0	2.3
21	18.0	26.4	20.8	80.3	8.0	15.4	23.4	2.2
22	17.0	25.0	20.2	81.0	2.5	0.0	2.5	2.7
23	16.8	26.4	20.4	81.7	11.8	5.8	17.6	4.0
24	17.0	27.0	22.4	72.0	0.0	0.0	0.0	5.6
25	17.4	27.6	23.0	71.7	0.0	0.0	0.0	6.3
26	17.0	27.4	22.9	70.3	0.0	0.0	0.0	4.0
27	18.0	26.6	20.8	80.7	.2	0.0	.2	.7
28	16.4	25.6	20.0	82.7	4.7	.1	4.8	3.6
29	16.6	24.8	20.6	82.7	0.0	0.0	0.0	1.2
30	14.6	29.4	22.8	57.0	0.0	0.0	0.0	9.4
31								
Total :					65.8	39.6	105.4	110.1
Promedio :	16.8	26.6	21.3	76.9				

Estación : MARACAY  
Año : 1998

Dpto. : QUINDIO  
Mpio. : QUIMBAYA

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

Julio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.6	29.4	24.0	53.0	0.0	0.0	0.0	10.1
2	15.2	26.8	20.6	73.0	1.0	0.0	1.0	4.3
3	17.4	26.0	21.4	78.0	.6	21.7	22.3	2.1
4	17.0	25.4	20.0	81.0	1.9	22.0	23.9	3.4
5	16.4	24.4	18.7	88.3	1.5	.6	2.1	1.9
6	16.0	25.4	20.4	80.3	8.3	9.3	17.6	4.4
7	16.8	23.8	19.2	89.3	1.2	0.0	1.2	2.1
8	16.2	25.4	19.8	81.3	0.0	1.6	1.6	2.9
9	16.0	23.8	19.7	83.3	2.8	0.0	2.8	2.3
10	17.0	25.4	21.6	76.0	0.0	.2	.2	1.9
11	16.2	25.8	21.0	77.0	0.0	0.0	0.0	3.7
12	16.4	27.6	21.4	74.0	.2	0.0	.2	6.3
13	15.0	27.0	22.2	70.7	0.0	0.0	0.0	5.4
14	16.6	25.6	21.4	74.3	0.0	0.0	0.0	4.0
15	16.2	25.4	20.8	82.0	1.9	0.0	1.9	3.2
16	17.4	24.8	20.8	78.7	1.5	.5	2.0	1.8
17	17.0	26.2	19.8	84.3	21.1	3.0	24.1	2.8
18	17.1	24.6	19.8	86.7	.8	7.0	7.8	3.8
19	16.6	26.0	20.4	80.3	.6	.4	1.0	4.8
20	16.0	27.6	21.7	72.3	0.0	0.0	0.0	7.5
21	15.6	27.6	22.3	68.7	.1	0.0	.1	7.6
22	16.4	25.4	19.7	85.3	5.7	0.0	5.7	3.3
23	16.0	25.7	21.1	76.0	0.0	0.0	0.0	4.4
24	17.0	26.6	21.6	73.7	0.0	0.0	0.0	3.6
25	16.6	26.7	19.8	76.7	17.7	0.0	17.7	3.8
26	15.4	27.8	20.2	76.3	4.0	0.0	4.0	6.9
27	16.0	26.6	21.6	74.3	0.0	1.3	1.3	4.2
28	17.8	27.4	20.6	80.3	6.4	.4	6.8	5.7
29	18.0	26.8	22.4	72.3	0.0	0.0	0.0	6.2
30	17.8	26.0	21.2	77.3	1.5	0.0	1.5	2.6
31	16.4	27.0	21.0	72.7	0.0	0.0	0.0	6.7
Total :					78.8	68.0	146.8	
Promedio :	16.5	26.1	20.8	77.3				133.7

Agosto	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	29.0	22.4	72.7	0.0	0.0	0.0	6.9
2	17.3	29.4	23.5	58.7	0.0	0.0	0.0	9.6
3	16.6	27.2	22.1	73.0	0.0	0.0	0.0	5.9
4	16.8	26.0	21.4	82.7	6.0	0.0	6.0	3.9
5	18.6	25.0	20.6	81.3	10.4	21.4	31.8	1.1
6	16.6	22.6	19.2	85.0	1.0	.8	1.8	1.9
7	16.0	24.0	20.0	81.0	1.3	10.8	12.1	1.7
8	16.1	25.2	19.3	83.3	.4	0.0	.4	2.5
9	14.2	27.6	21.4	68.0	0.0	0.0	0.0	7.0
10	15.6	27.6	21.0	75.7	.2	16.5	16.7	2.2
11	16.8	26.2	21.5	73.3	0.0	0.0	0.0	4.7
12	15.8	25.4	21.6	78.0	.1	0.0	.1	2.2
13	16.4	25.8	20.4	81.3	13.7	0.0	13.7	2.6
14	16.2	26.2	19.4	81.0	42.9	1.6	44.5	4.4
15	16.5	22.4	18.8	87.7	0.0	.3	.3	.2
16	15.4	27.0	20.5	72.3	0.0	0.0	0.0	8.5
17	15.8	25.6	20.5	78.7	2.4	0.0	2.4	2.3
18	17.0	26.0	21.0	76.0	.3	.9	1.2	5.1
19	16.8	25.4	20.3	83.0	.6	7.4	8.0	1.7
20	17.0	25.8	20.1	83.0	1.0	0.0	1.0	2.8
21	16.8	26.0	21.1	81.0	0.0	0.0	0.0	3.0
22	16.0	27.0	21.4	76.7	1.2	0.0	1.2	6.2
23	15.2	27.8	21.8	69.3	0.0	0.0	0.0	8.5
24	16.0	27.0	21.8	71.7	1.7	11.4	13.1	6.4
25	16.2	26.0	19.2	82.3	4.9	3.4	8.3	1.9
26	17.0	25.4	20.9	80.3	.1	2.0	2.1	4.1
27	17.1	25.6	20.2	84.3	0.0	0.0	0.0	2.7
28	15.8	27.8	22.4	67.3	0.0	0.0	0.0	7.4
29	15.6	29.0	21.8	66.0	0.0	0.0	0.0	6.9
30	16.9	27.4	21.2	75.7	1.1	.1	1.2	3.0
31	17.0	27.4	21.5	75.3	.7	2.5	3.2	3.2
Total :					90.0	79.1	169.1	
Promedio :	16.4	26.3	20.9	77.0				130.5

Estación : MARACAY  
Año : 1998

Dpto. : QUINDIO  
Mpio. : QUIMBAYA

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.6	26.2	20.9	72.3	1.2	0.0	1.2	3.7
2	15.8	25.6	21.0	74.3	0.0	24.8	24.8	1.2
3	17.0	22.8	19.5	84.3	0.0	0.0	0.0	.5
4	16.2	25.2	19.9	82.0	.3	1.6	1.9	4.3
5	16.6	26.0	20.4	79.7	0.0	0.0	0.0	2.5
6	16.4	28.2	22.4	69.0	.2	.1	.3	6.4
7	16.1	25.4	20.2	83.0	7.8	0.0	7.8	1.0
8	17.4	23.6	19.6	84.0	21.6	.2	21.8	.3
9	16.2	27.6	21.2	75.3	0.0	.5	.5	3.6
10	17.0	24.4	19.6	80.7	1.3	.9	2.2	1.9
11	16.8	25.0	19.8	85.0	6.1	11.3	17.4	1.5
12	16.9	23.0	18.2	87.3	5.4	7.6	13.0	.8
13	15.4	26.2	20.1	77.0	0.0	1.1	1.1	3.5
14	16.0	27.0	19.4	79.3	4.8	3.9	8.7	4.3
15	16.0	25.0	19.5	79.7	0.0	5.6	5.6	2.1
16	16.8	27.2	20.8	73.3	.3	0.0	.3	5.1
17	15.0	26.0	20.6	72.3	7.3	0.0	7.3	3.6
18	15.4	27.8	20.5	76.3	1.6	16.3	17.9	5.5
19	16.1	26.2	20.6	74.7	0.0	0.0	0.0	4.4
20	17.0	26.1	21.4	79.0	6.1	0.0	6.1	4.2
21	17.1	26.8	21.4	76.7	0.0	1.4	1.4	2.0
22	17.0	26.2	19.7	80.3	27.4	25.7	53.1	2.3
23	16.0	25.0	19.3	81.7	1.6	0.0	1.6	1.5
24	16.8	27.8	21.1	73.0	0.0	0.0	0.0	4.4
25	16.2	25.8	21.2	74.7	2.0	.3	2.3	3.7
26	17.2	24.6	19.4	82.0	16.5	11.8	28.3	1.6
27	16.0	25.2	20.2	77.3	0.0	6.3	6.3	3.0
28	16.2	27.0	21.2	74.3	6.9	0.0	6.9	5.6
29	16.0	28.1	21.2	71.0	0.0	.3	.3	6.4
30	17.0	29.0	21.9	74.7	2.2	0.0	2.2	7.0
31								
Total :					120.6	119.7	240.3	97.9
Promedio :	16.4	26.0	20.4	77.8				
Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	28.9	22.2	74.7	5.3	0.0	5.3	4.5
2	17.6	26.3	21.9	73.3	0.0	0.0	0.0	3.0
3	16.8	26.4	20.2	76.3	12.8	0.0	12.8	2.6
4	15.6	28.0	21.0	73.0	1.0	0.0	1.0	6.5
5	16.9	28.1	20.6	79.3	11.5	14.6	26.1	5.3
6	16.4	26.2	20.4	73.7	0.0	1.8	1.8	4.2
7	16.5	26.0	19.7	80.7	0.0	0.0	0.0	2.0
8	15.8	26.6	21.4	77.0	0.0	0.0	0.0	3.5
9	17.1	27.0	20.5	79.7	7.0	0.0	7.0	2.8
10	16.8	28.2	22.8	72.3	0.0	0.0	0.0	8.0
11	16.9	28.1	22.0	72.0	0.0	0.0	0.0	5.0
12	16.0	26.0	21.4	75.3	1.2	7.3	8.5	3.5
13	16.2	25.9	19.7	79.3	0.0	0.0	0.0	2.6
14	16.0	28.2	20.4	68.0	4.2	0.0	4.2	7.4
15	15.0	28.3	21.8	66.7	0.0	17.5	17.5	4.6
16	14.6	26.9	20.7	71.7	0.0	0.0	0.0	7.0
17	15.6	24.7	19.7	77.3	8.0	12.5	20.5	2.7
18	14.8	27.2	19.8	76.3	0.0	5.5	5.5	6.2
19	17.2	24.8	20.4	87.7	.4	16.3	16.7	.6
20	17.0	25.2	20.2	79.7	.5	.4	.9	1.0
21	16.0	26.2	19.0	84.0	10.8	0.0	10.8	1.1
22	15.2	25.8	19.3	77.3	28.8	0.0	28.8	2.2
23	15.1	24.4	18.8	85.7	3.0	10.4	13.4	2.8
24	15.8	24.2	18.8	82.7	13.5	11.3	24.8	1.3
25	15.9	24.1	19.8	81.3	1.5	20.9	22.4	1.8
26	15.4	26.0	20.0	75.7	0.0	0.0	0.0	7.9
27	16.9	24.2	20.0	77.7	0.0	0.0	0.0	3.4
28	16.8	27.0	21.2	73.0	0.0	2.0	2.0	5.1
29	17.2	26.9	20.4	80.3	15.8	0.0	15.8	4.1
30	17.1	24.0	19.6	82.7	3.8	0.0	3.8	.4
31	16.4	25.4	20.0	79.7	0.0	0.0	0.0	1.8
Total :					129.1	120.5	249.6	114.9
Promedio :	16.2	26.3	20.4	77.2				

Estación : MARACAY  
Año : 1998

Dpto. : QUINDIO  
Mpio. : QUIMBAYA

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

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	27.1	20.5	76.7	0.0	.4	.4	3.8
2	16.0	26.9	20.6	76.7	8.5	9.7	18.2	6.6
3	16.6	26.0	19.7	78.0	12.9	0.0	12.9	3.6
4	15.5	24.4	19.0	83.7	29.9	.4	30.3	1.1
5	16.2	21.9	19.0	91.3	2.1	.1	2.2	.9
6	16.9	25.4	20.0	76.0	0.0	42.2	42.2	1.0
7	16.0	24.2	19.0	81.0	0.0	0.0	0.0	.9
8	14.2	23.5	18.7	77.3	2.7	0.0	2.7	1.1
9	14.6	26.0	19.6	79.7	.6	43.8	44.4	3.5
10	15.2	24.2	19.8	75.7	0.0	0.0	0.0	4.1
11	16.4	25.9	20.2	77.7	5.0	0.0	5.0	3.6
12	17.0	23.2	19.8	85.0	3.1	0.0	3.1	.7
13	17.0	26.4	20.5	78.3	32.0	6.7	38.7	2.2
14	16.9	26.1	19.5	78.0	25.0	.1	25.1	1.2
15	15.4	26.2	19.6	78.0	9.1	.1	9.2	3.9
16	14.8	25.6	21.0	75.3	0.0	0.0	0.0	4.6
17	17.0	24.2	20.7	80.3	.6	0.0	.6	.7
18	17.8	25.6	21.4	78.0	0.0	0.0	0.0	1.6
19	16.2	25.0	19.9	76.0	1.6	1.6	3.2	2.3
20	16.8	24.6	20.2	82.0	.2	0.0	.2	1.2
21	16.9	24.5	19.8	78.7	2.5	20.7	23.2	2.0
22	16.0	21.3	18.4	85.3	9.0	0.0	9.0	0.0
23	14.9	27.0	20.6	72.3	0.0	5.6	5.6	8.6
24	17.0	23.2	18.4	85.3	17.8	1.5	19.3	.6
25	15.2	25.2	19.4	82.7	0.0	0.0	0.0	4.2
26	17.0	26.2	20.8	73.7	0.0	3.0	3.0	2.4
27	16.8	25.6	20.3	76.3	0.0	2.8	2.8	4.4
28	16.6	22.0	18.4	85.0	15.0	4.6	19.6	.3
29	15.9	24.9	19.8	74.3	0.0	7.4	7.4	4.3
30	16.8	26.9	19.6	76.7	10.5	4.9	15.4	5.9
31								
Total :					188.1	155.6	343.7	81.3
Promedio :	16.2	25.0	19.8	79.2				

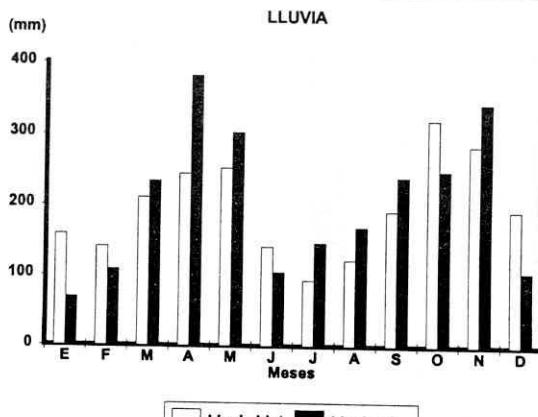
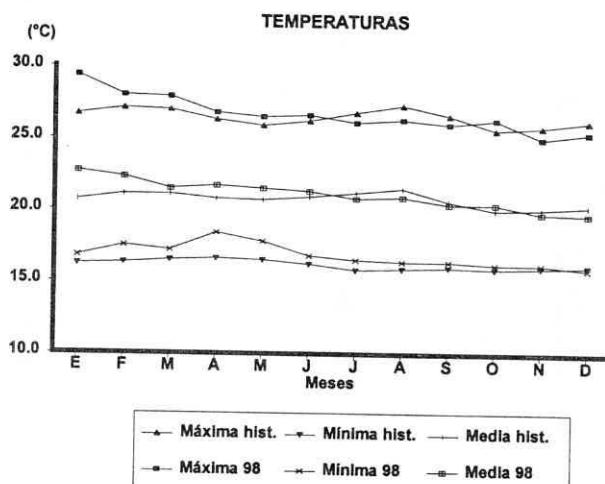
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.4	26.3	20.3	78.0	5.4	.4	5.8	4.0
2	17.0	20.4	18.1	92.3	9.1	.5	9.6	0.0
3	15.8	27.0	20.1	75.0	.2	0.0	.2	6.5
4	16.2	24.4	19.9	79.0	.8	0.0	.8	1.4
5	15.4	26.2	19.0	76.7	.7	19.9	20.6	2.7
6	16.2	24.9	18.4	89.7	.7	4.0	4.7	1.5
7	16.1	24.2	18.7	79.7	.9	0.0	.9	4.7
8	15.8	26.1	19.3	75.7	9.7	0.0	9.7	3.6
9	16.8	25.9	20.2	78.0	0.0	0.0	0.0	4.5
10	17.0	23.8	20.2	73.0	0.0	1.5	1.5	.3
11	16.0	22.0	19.0	92.3	1.8	.1	1.9	.2
12	16.8	25.8	20.6	78.0	1.2	.9	2.1	2.6
13	16.9	24.8	20.0	83.3	0.0	0.0	0.0	1.9
14	15.8	27.3	20.2	75.3	0.0	0.0	0.0	5.3
15	16.9	26.0	20.0	76.0	7.2	0.0	7.2	2.2
16	15.2	21.2	18.8	87.3	.1	0.0	.1	0.0
17	14.8	23.7	18.6	82.7	1.7	0.0	1.7	1.8
18	14.9	25.9	19.8	80.3	0.0	0.0	0.0	2.8
19	15.9	26.8	20.0	76.7	5.6	0.0	5.6	4.6
20	15.0	26.9	19.8	75.3	3.4	.3	3.7	4.7
21	14.5	27.0	19.8	73.0	0.0	.3	.3	4.3
22	16.4	27.1	20.1	74.3	0.0	0.0	0.0	6.0
23	15.0	26.8	19.8	75.7	.9	6.2	7.1	5.9
24	16.0	26.2	20.9	69.3	1.2	2.9	4.1	4.8
25	16.2	26.0	19.8	76.3	.2	1.9	2.1	4.1
26	15.4	26.8	19.2	77.3	13.6	0.0	13.6	4.7
27	14.2	26.0	19.8	74.3	.2	.3	.5	5.7
28	16.6	25.9	19.4	81.0	1.4	.1	1.5	2.8
29	16.0	24.4	19.6	75.0	0.0	0.0	0.0	1.8
30	16.8	25.9	20.5	78.7	.9	0.0	.9	2.8
31	15.8	27.0	21.2	73.7	0.0	.4	.4	6.2
Total :					66.9	39.7	106.6	104.4
Promedio :	15.9	25.4	19.7	78.5				

Estación : MARACAY  
Año : 1998

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.	Días Lluvia	Brillo Sol. (h)
Enero	16.8	29.4	22.7	31.6	15.4	72.5	69.3	6	211.3
Febrero	17.5	28.0	22.3	32.5	16.0	75.3	108.9	12	120.7
Marzo	17.2	27.9	21.5	30.5	15.5	78.1	234.4	20	130.4
Abril	18.4	26.8	21.7	28.5	17.0	80.7	382.3	24	81.5
Mayo	17.8	26.5	21.5	30.0	15.5	79.9	302.9	20	93.5
Junio	16.8	26.6	21.3	30.0	14.6	76.8	105.4	17	110.1
Julio	16.5	26.1	20.8	29.4	15.0	77.3	146.8	22	133.7
Agosto	16.4	26.3	20.9	29.4	14.2	77.0	169.1	20	130.5
Septiembre	16.4	26.0	20.4	29.0	15.0	77.8	240.3	26	97.9
Octubre	16.2	26.3	20.4	28.9	14.6	77.2	249.6	21	114.9
Noviembre	16.2	25.0	19.8	27.1	14.2	79.2	343.7	25	81.3
Diciembre	15.9	25.4	19.7	27.3	14.2	78.5	106.6	25	104.4
Promedio :	16.8	26.7	21.1			77.5			
Absoluta :				32.5	14.2				
Total :							2459.3	238	1410.2



Estación : EL AGRADO  
Año : 1998

Dpto. : QUINDIO  
Mpio. : MONTENEGRO

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	30.5	22.5	76.0	.6	0.0	.6	8.0
2	15.0	31.5	23.9	70.7	0.0	0.0	0.0	8.5
3	15.5	33.0	24.8	66.3	0.0	0.0	0.0	9.1
4	16.5	33.5	25.3	69.0	0.0	0.0	0.0	8.5
5	16.8	33.3	22.2	77.0	18.3	.1	18.4	9.1
6	17.5	27.0	22.3	80.7	0.0	0.0	0.0	1.0
7	18.5	26.5	21.7	82.0	0.0	0.0	0.0	.8
8	16.5	30.5	23.4	72.3	0.0	0.0	0.0	8.4
9	17.0	29.0	22.3	72.3	0.0	0.0	0.0	5.0
10	16.0	31.0	23.6	72.7	0.0	0.0	0.0	8.7
11	16.5	32.0	24.4	73.3	0.0	0.0	0.0	8.4
12	17.5	28.5	23.2	77.3	0.0	0.0	0.0	0.0
13	18.0	31.0	23.4	74.7	1.5	.5	2.0	6.9
14	17.8	29.4	22.3	79.0	9.2	.7	9.9	2.9
15	18.0	31.5	24.3	71.0	0.0	0.0	0.0	8.8
16	16.5	31.0	23.4	70.3	0.0	0.0	0.0	7.3
17	19.0	31.2	23.6	72.3	0.0	0.0	0.0	7.6
18	16.0	32.0	24.1	68.3	0.0	0.0	0.0	9.0
19	17.0	30.0	24.2	71.7	0.0	0.0	0.0	5.6
20	17.5	30.5	24.7	71.3	0.0	3.5	3.5	3.9
21	16.5	33.4	25.6	68.7	0.0	0.0	0.0	9.0
22	18.0	32.5	25.0	68.0	0.0	0.0	0.0	8.2
23	17.0	32.0	23.8	71.0	0.0	0.0	0.0	7.2
24	17.2	32.1	23.9	67.7	0.0	0.0	0.0	8.2
25	16.0	32.0	24.2	65.0	0.0	0.0	0.0	9.2
26	15.0	31.0	23.4	68.3	0.0	0.0	0.0	9.1
27	14.9	29.9	22.6	73.0	0.0	0.0	0.0	5.5
28	17.5	31.6	23.1	75.0	0.0	0.0	0.0	4.5
29	16.0	33.0	24.9	66.0	0.0	0.0	0.0	9.8
30	18.5	31.0	24.1	70.7	0.0	0.0	0.0	6.0
31	17.5	33.5	24.9	65.7	0.0	0.0	0.0	8.9
Total :					29.6	4.8	34.4	213.1
Promedio :	16.9	31.1	23.7	71.8				

Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	33.5	25.9	66.3	0.0	0.0	0.0	9.3
2	18.5	33.0	24.7	68.3	0.0	0.0	0.0	4.6
3	18.8	30.5	22.2	80.7	27.8	.2	28.0	1.4
4	18.0	31.0	24.4	71.0	0.0	0.0	0.0	7.8
5	19.0	28.0	23.5	79.3	0.0	0.0	0.0	0.0
6	18.8	30.0	24.3	69.7	0.0	0.0	0.0	3.7
7	19.5	29.6	23.3	77.3	0.0	45.7	45.7	2.3
8	19.0	25.0	21.2	86.7	1.5	26.9	28.4	0.0
9	18.0	25.2	21.4	81.3	0.0	11.8	11.8	.2
10	18.7	24.5	20.8	90.0	1.0	0.0	1.0	0.0
11	18.5	25.5	21.8	78.7	0.0	0.0	0.0	0.0
12	17.0	26.0	22.2	80.0	0.0	0.0	0.0	.2
13	16.0	29.5	22.2	76.7	0.0	1.5	1.5	5.3
14	17.5	27.5	21.3	83.0	.5	3.8	4.3	1.7
15	16.5	30.3	23.8	72.7	0.0	0.0	0.0	9.1
16	17.0	33.5	25.0	58.7	0.0	0.0	0.0	10.1
17	15.0	33.2	25.6	62.7	0.0	0.0	0.0	10.3
18	17.0	31.0	24.1	74.3	0.0	0.0	0.0	5.9
19	18.0	30.0	24.2	69.3	0.0	0.0	0.0	5.3
20	17.5	30.2	23.8	69.3	0.0	0.0	0.0	4.4
21	18.5	29.0	24.3	72.7	0.0	0.0	0.0	3.4
22	18.0	32.0	25.1	68.3	0.0	0.0	0.0	6.2
23	19.8	28.5	23.4	73.7	0.0	0.0	0.0	1.0
24	18.0	30.5	24.2	73.7	0.0	0.0	0.0	3.8
25	17.0	31.0	24.0	75.0	0.0	0.0	0.0	6.1
26	16.0	30.0	22.8	77.3	0.0	0.0	0.0	7.5
27	18.0	31.0	21.4	76.7	14.9	0.0	14.9	7.1
28	17.0	30.5	24.2	73.0	0.0	0.0	0.0	5.9
29								
30								
31								
Total :					45.7	89.9	135.6	122.6
Promedio :	17.8	29.6	23.4	74.5				

Estación : EL AGRADO  
Año : 1998

Dpto. : QUINDIO  
Mpio. : MONTENEGRO

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	31.0	22.4	76.7	21.7	.6	22.3	5.6
2	19.0	26.5	21.5	89.3	3.1	0.0	3.1	.7
3	16.0	31.5	23.6	70.3	0.0	0.0	0.0	9.0
4	17.0	32.2	21.9	78.3	21.7	.1	21.8	1.4
5	16.9	29.5	23.9	76.7	.1	0.0	.1	2.5
6	17.5	29.5	21.8	84.7	.8	.2	1.0	3.0
7	18.0	27.0	21.0	81.0	35.5	6.8	42.3	.3
8	18.0	29.5	23.6	75.3	0.0	0.0	0.0	4.7
9	18.1	29.5	21.4	78.7	1.7	0.0	1.7	3.8
10	16.0	30.2	22.8	75.7	0.0	0.0	0.0	6.2
11	19.0	30.5	22.6	80.3	1.9	0.0	1.9	4.7
12	17.0	31.0	24.4	69.0	0.0	0.0	0.0	8.6
13	18.0	32.0	21.2	82.0	32.0	.1	32.1	8.0
14	17.0	30.5	22.3	76.0	0.0	0.0	0.0	3.1
15	16.8	29.5	23.0	73.3	0.0	0.0	0.0	5.4
16	18.0	31.5	23.0	75.7	1.4	0.0	1.4	4.2
17	17.8	31.0	23.2	75.0	0.0	0.0	0.0	4.6
18	17.5	32.5	24.2	67.0	0.0	3.4	3.4	8.1
19	17.0	32.0	24.6	75.0	0.0	0.0	0.0	4.4
20	15.0	29.0	20.4	78.0	64.7	0.0	64.7	.1
21	16.5	31.0	23.2	76.7	0.0	0.0	0.0	7.5
22	17.0	32.5	22.2	79.3	37.5	4.3	41.8	4.8
23	18.0	25.0	20.2	84.7	26.5	0.0	26.5	.3
24	16.0	29.0	22.9	76.3	0.0	0.0	0.0	5.4
25	17.0	31.5	22.6	76.0	20.4	3.4	23.8	8.8
26	17.1	29.5	20.8	81.7	50.1	2.6	52.7	2.7
27	17.5	26.4	20.6	81.7	0.0	30.5	30.5	.7
28	18.0	28.0	21.8	78.3	.2	2.6	2.8	3.3
29	18.5	28.5	21.5	80.3	14.2	25.5	39.7	2.4
30	18.0	27.0	20.8	82.0	4.1	1.3	5.4	1.9
31	17.9	29.0	22.1	78.0	6.6	1.9	8.5	6.1
Total :				77.8	344.2	83.3	427.5	132.3
Promedio :	17.4	29.8	22.3					

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.5	29.0	22.6	80.0	0.0	.4	.4	2.9
2	18.0	28.5	21.3	78.7	16.1	1.5	17.6	3.5
3	18.5	27.0	22.4	81.0	.2	7.3	7.5	2.0
4	18.8	30.0	23.0	80.7	0.0	0.0	0.0	6.0
5	16.5	30.5	22.4	75.7	0.0	0.0	0.0	5.7
6	17.5	28.0	20.6	82.7	8.7	3.4	12.1	.9
7	18.0	29.5	23.6	77.7	0.0	0.0	0.0	7.3
8	19.0	28.5	23.2	81.3	0.0	2.9	2.9	2.1
9	18.0	29.0	23.2	80.3	0.0	0.0	0.0	4.4
10	18.5	30.5	22.9	77.3	0.0	5.0	5.0	3.7
11	18.0	23.5	19.3	93.7	33.2	0.0	33.2	0.0
12	16.5	28.5	22.5	79.7	0.0	0.0	0.0	4.7
13	17.5	29.0	21.8	78.3	1.7	8.2	9.9	2.6
14	18.0	29.1	23.1	75.0	0.0	0.0	0.0	4.3
15	18.0	31.0	22.2	76.0	1.0	0.0	1.0	4.4
16	17.8	30.0	22.4	77.7	0.0	7.5	7.5	4.9
17	17.0	28.5	23.0	79.7	0.0	12.8	12.8	1.4
18	19.0	27.0	22.2	82.0	0.0	1.1	1.1	.6
19	18.0	26.9	20.5	84.7	17.0	5.5	22.5	4.2
20	18.0	29.5	22.6	80.3	.9	0.0	.9	4.8
21	19.0	28.0	22.2	80.7	12.1	.3	12.4	1.6
22	18.5	29.5	23.2	79.7	0.0	17.5	17.5	5.7
23	18.8	27.5	22.8	78.0	0.0	.3	.3	0.0
24	19.0	31.0	23.1	76.0	.1	.7	.8	2.8
25	18.5	30.0	22.2	80.3	0.0	5.7	5.7	6.1
26	18.5	24.8	20.4	85.3	1.0	0.0	1.0	0.0
27	18.0	29.5	22.4	78.0	.1	.4	.5	4.8
28	19.8	27.0	22.5	80.3	0.0	.9	.9	.6
29	18.0	29.0	23.6	75.0	0.0	3.8	3.8	3.5
30	19.8	28.5	22.4	80.3	1.6	1.6	3.2	2.3
31								
Total :				79.9	93.7	86.8	180.5	97.8
Promedio :	18.2	28.6	22.3					

Estación : EL AGRADO  
Año : 1998

Dpto. : QUINDIO  
Mpio. : MONTENEGRO

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

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.6	26.0	20.5	87.0	2.9	.4	3.3	1.1
2	18.0	26.0	20.7	78.7	0.0	66.2	66.2	2.1
3	16.8	22.5	18.0	86.0	24.3	16.2	40.5	.3
4	16.3	25.0	18.9	91.7	7.4	1.0	8.4	.2
5	17.0	26.0	20.7	86.0	1.0	.8	1.8	0.0
6	17.5	27.5	21.8	81.7	0.0	0.0	0.0	2.0
7	18.0	29.5	22.5	75.3	0.0	2.0	2.0	4.1
8	18.2	29.5	22.2	80.0	14.4	0.0	14.4	5.7
9	17.8	25.6	21.4	84.7	0.0	0.0	0.0	.4
10	17.2	29.6	22.0	76.3	1.0	0.0	1.0	5.1
11	18.7	29.2	21.5	79.3	4.7	.5	5.2	4.7
12	18.0	25.6	20.5	85.7	0.0	0.0	0.0	.1
13	16.8	29.4	23.0	73.0	0.0	0.0	0.0	8.2
14	17.5	31.0	24.5	72.3	0.0	.3	.3	5.2
15	19.2	25.8	22.0	86.0	0.0	0.0	0.0	0.0
16	17.2	30.4	24.4	68.7	0.0	0.0	0.0	7.1
17	20.0	29.8	24.4	74.3	0.0	1.1	1.1	.8
18	19.0	31.2	24.0	75.0	0.0	0.0	0.0	6.2
19	19.4	31.0	24.8	67.0	0.0	0.0	0.0	9.8
20	17.3	31.6	24.5	70.0	0.0	0.0	0.0	9.3
21	18.0	31.8	23.4	75.7	0.0	0.0	0.0	7.5
22	16.5	32.0	24.4	68.7	0.0	0.0	0.0	6.6
23	19.0	29.6	23.0	73.3	0.0	0.0	0.0	.9
24	18.5	30.0	23.2	75.0	.5	0.0	.5	1.5
25	20.0	26.4	23.6	79.7	0.0	31.4	31.4	0.0
26	18.2	26.6	20.4	81.0	3.1	10.6	13.7	1.2
27	17.0	26.0	20.0	85.7	.3	.2	.5	.9
28	17.2	25.2	20.5	83.7	11.0	0.0	11.0	.9
29	17.0	25.4	20.7	81.3	.1	1.1	1.2	0.0
30	16.5	28.5	21.2	80.7	.3	0.0	.3	3.1
31	17.0	29.5	21.0	75.7	61.4	1.8	63.2	3.8
Total :					132.4	133.6	266.0	98.8
Promedio :	17.9	28.2	22.1	78.7				

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	27.0	20.8	80.0	3.0	4.2	7.2	2.5
2	16.5	27.6	21.3	81.0	0.0	4.3	4.3	3.2
3	17.5	27.0	22.0	83.0	.6	0.0	.6	2.3
4	17.0	29.2	22.6	75.0	0.0	7.9	7.9	6.9
5	17.1	28.0	22.2	79.0	0.0	0.0	0.0	3.8
6	16.0	27.5	23.4	67.3	0.0	0.0	0.0	5.5
7	18.0	27.2	21.2	80.0	35.3	3.7	39.0	.4
8	17.0	27.0	21.6	78.7	.5	7.9	8.4	2.4
9	18.0	29.0	21.8	80.7	0.0	0.0	0.0	3.9
10	17.0	28.5	22.6	78.3	0.0	0.0	0.0	4.5
11	16.0	27.5	21.5	80.3	0.0	.3	.3	1.7
12	17.0	30.0	23.2	77.7	0.0	0.0	0.0	5.6
13	17.5	31.0	24.0	71.0	0.0	0.0	0.0	9.1
14	17.0	28.0	22.5	77.3	0.0	1.0	1.0	1.9
15	18.0	25.0	20.4	86.0	.5	8.1	8.6	0.0
16	17.5	26.0	21.5	80.3	0.0	0.0	0.0	2.0
17	17.0	28.5	23.2	74.3	0.0	0.0	0.0	5.9
18	17.5	28.5	22.1	75.3	0.0	0.0	0.0	2.2
19	16.0	29.0	21.0	79.3	8.9	0.0	8.9	4.5
20	18.0	28.8	22.1	78.3	5.9	1.2	7.1	3.8
21	18.1	28.0	21.6	80.3	15.2	2.1	17.3	3.4
22	17.5	27.0	20.2	81.0	22.2	0.0	22.2	2.3
23	17.0	28.0	22.4	76.0	0.0	0.0	0.0	8.5
24	18.0	29.0	23.0	74.0	0.0	0.0	0.0	6.9
25	17.0	28.0	23.3	77.3	0.0	0.0	0.0	4.8
26	17.5	29.6	23.5	74.0	0.0	0.0	0.0	3.6
27	18.0	28.0	22.4	79.0	0.0	1.2	1.2	0.0
28	17.5	28.5	22.0	78.0	1.7	0.0	1.7	2.5
29	18.0	26.0	21.6	80.3	0.0	0.0	0.0	.9
30	14.0	30.0	23.5	56.3	0.0	0.0	0.0	10.1
Total :					93.8	41.9	135.7	115.1
Promedio :	17.1	28.1	22.2	77.3				

Estación : EL AGRADO  
Año : 1998

Dpto. : QUINDIO  
Mpio. : MONTENEGRO

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

Julio	Temperatura (°C)			Hum. Rel. (%)	Precipitación ( mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.0	31.5	23.8	67.3	0.0	0.0	0.0	9.5
2	15.5	29.0	22.3	69.0	0.0	0.0	0.0	5.4
3	18.0	28.5	22.5	75.3	30.0	0.0	30.0	1.5
4	17.5	27.5	21.6	77.7	2.8	13.7	16.5	4.2
5	17.0	25.5	19.7	83.3	42.4	.7	43.1	1.8
6	17.5	27.5	20.4	80.3	15.4	.1	15.5	5.2
7	17.0	26.0	20.7	84.3	0.0	0.0	0.0	3.0
8	16.8	27.0	20.4	79.3	.3	2.1	2.4	3.1
9	17.0	24.5	20.7	83.7	3.3	0.0	3.3	1.2
10	17.0	28.0	22.3	77.3	.4	.2	.6	2.9
11	16.9	27.5	22.5	75.7	0.0	0.0	0.0	4.4
12	17.0	30.0	21.5	78.3	7.3	13.9	21.2	6.6
13	16.5	28.5	22.4	74.3	0.0	0.0	0.0	6.1
14	16.0	27.5	21.9	80.3	.8	0.0	.8	4.9
15	17.0	28.5	21.7	78.0	.7	0.0	.7	3.1
16	18.0	26.5	21.8	78.7	.3	2.3	2.6	2.6
17	17.0	28.0	21.4	79.7	0.0	9.3	9.3	3.9
18	17.5	27.5	21.8	78.3	.1	22.3	22.4	2.3
19	17.0	28.5	22.2	77.7	0.0	.2	.2	4.8
20	17.4	29.0	22.0	75.3	0.0	0.0	0.0	6.2
21	15.0	28.9	23.2	71.0	0.0	0.0	0.0	7.6
22	17.0	26.5	20.6	82.7	5.5	0.0	5.5	2.5
23	16.5	27.5	21.5	78.0	0.0	0.0	0.0	5.8
24	16.0	29.0	22.3	74.0	0.0	0.0	0.0	4.5
25	17.0	28.0	21.2	76.3	1.0	0.0	1.0	2.7
26	15.5	29.0	22.5	69.3	0.0	0.0	0.0	7.1
27	17.0	29.2	22.4	74.7	.1	0.0	.1	5.2
28	18.0	29.0	21.7	79.3	7.0	25.0	32.0	5.5
29	17.5	28.5	23.2	74.7	0.0	0.0	0.0	7.6
30	18.0	27.5	21.5	81.7	.8	0.0	.8	2.9
31	15.0	29.5	21.2	77.7	8.0	0.0	8.0	6.1
Total :					126.2	89.8	216.0	140.2
Promedio :	16.8	28.0	21.8	77.2				

Agosto	Temperatura (°C)			Hum. Rel. (%)	Precipitación ( mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	30.0	23.6	71.3	0.0	0.0	0.0	6.3
2	17.5	31.0	24.1	70.7	0.0	0.0	0.0	8.5
3	17.0	29.5	22.8	73.3	0.0	0.0	0.0	3.3
4	16.5	28.5	22.9	77.7	0.0	0.0	0.0	4.3
5	19.0	28.0	21.2	80.7	7.8	19.5	27.3	2.1
6	17.0	25.0	19.8	85.0	.6	.3	.9	.6
7	17.0	26.5	21.3	75.7	.9	1.5	2.4	1.1
8	16.5	27.0	20.7	82.7	0.0	0.0	0.0	4.6
9	14.0	29.0	23.0	67.0	0.0	0.0	0.0	9.7
10	15.5	28.0	21.6	78.7	.9	10.2	11.1	3.7
11	17.0	28.5	22.6	74.3	0.0	0.0	0.0	5.9
12	16.5	28.0	22.6	75.0	0.0	0.0	0.0	4.8
13	16.0	27.5	21.4	79.3	0.0	3.8	3.8	3.2
14	17.5	28.5	20.5	79.3	5.6	5.0	10.6	5.0
15	17.0	23.5	19.8	88.3	.2	.1	.3	.2
16	15.5	29.0	22.3	72.0	0.0	0.0	0.0	8.7
17	16.0	27.0	21.6	79.0	0.0	0.0	0.0	1.6
18	17.0	28.5	22.0	74.0	1.6	0.0	1.6	5.0
19	17.5	27.0	21.2	80.0	.9	4.1	5.0	2.0
20	17.0	28.0	21.4	76.7	33.6	25.4	59.0	4.5
21	17.5	28.0	21.9	75.7	0.0	0.0	0.0	3.9
22	16.5	28.5	22.2	79.3	0.0	0.0	0.0	4.7
23	16.0	31.0	23.4	73.3	0.0	0.0	0.0	9.3
24	17.5	30.0	23.5	71.7	0.0	7.0	7.0	7.3
25	17.0	28.0	20.4	80.3	3.6	3.4	7.0	1.7
26	17.5	27.0	20.5	88.0	.4	2.6	3.0	2.5
27	17.0	26.5	20.7	81.3	0.0	0.0	0.0	2.8
28	16.0	29.5	22.3	71.3	0.0	3.9	3.9	7.1
29	15.5	29.0	22.8	70.3	0.0	0.0	0.0	7.4
30	18.0	28.5	22.0	77.7	0.0	.9	.9	2.8
31	17.5	28.5	22.5	77.0	0.0	4.6	4.6	3.1
Total :					56.1	92.3	148.4	137.7
Promedio :	16.7	28.1	21.9	77.0				

Estación : EL AGRADO  
Año : 1998

Dpto. : QUINDIO  
Mpio. : MONTENEGRO

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	28.2	21.7	74.3	2.7	0.0	2.7	5.2
2	15.0	26.8	21.5	80.0	0.0	10.5	10.5	1.4
3	17.0	23.0	19.6	83.0	1.6	0.0	1.6	.2
4	16.0	26.8	19.9	77.7	.2	2.4	2.6	4.2
5	15.9	27.2	21.0	79.0	0.0	0.0	0.0	3.4
6	16.8	29.5	22.4	71.3	0.0	.2	.2	8.9
7	18.2	28.4	21.0	76.0	2.0	.1	2.1	.7
8	18.0	24.8	20.0	82.0	11.1	.2	11.3	.2
9	17.0	27.5	20.4	80.0	.6	1.5	2.1	3.5
10	17.5	25.5	20.6	82.3	1.2	3.8	5.0	1.7
11	16.9	27.0	20.6	75.3	.4	1.3	1.7	1.0
12	17.1	24.1	19.6	82.7	21.8	28.1	49.9	1.0
13	16.0	27.2	21.6	71.0	0.0	.4	.4	2.6
14	16.1	28.5	21.0	74.7	.5	1.9	2.4	7.2
15	16.7	27.0	20.8	76.3	0.0	.4	.4	1.5
16	17.0	30.0	21.3	76.0	0.0	0.0	0.0	4.9
17	14.0	28.0	21.2	73.0	0.0	0.0	0.0	2.4
18	14.2	30.0	21.8	74.7	.9	3.8	4.7	6.4
19	16.2	27.4	20.5	78.3	0.0	0.0	0.0	4.5
20	17.0	28.4	21.6	78.3	28.9	0.0	28.9	2.9
21	16.2	28.2	21.3	80.3	0.0	1.4	1.4	1.9
22	18.0	28.0	21.2	80.0	7.7	35.0	42.7	3.6
23	16.5	26.8	20.8	78.7	1.3	0.0	1.3	.8
24	18.0	29.2	22.8	76.7	0.0	0.0	0.0	5.6
25	17.0	29.1	22.8	74.3	0.0	2.1	2.1	5.1
26	17.5	26.5	21.2	77.3	2.0	19.3	21.3	1.8
27	16.5	25.8	21.4	72.7	0.0	5.7	5.7	1.2
28	17.0	28.2	22.6	77.7	.6	.5	1.1	4.3
29	15.0	29.0	23.0	73.7	0.0	0.0	0.0	8.3
30	17.0	30.0	22.0	73.3	0.0	0.0	0.0	8.0
31								
Total :					83.5	118.6	202.1	104.4
Promedio :	16.6	27.5	21.2	77.0				

Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.1	29.2	22.3	75.7	0.0	0.0	0.0	5.6
2	17.0	28.0	21.7	84.0	0.0	0.0	0.0	4.0
3	16.9	28.2	20.4	81.0	30.0	0.0	30.0	3.4
4	16.0	28.9	22.0	74.0	0.0	0.0	0.0	6.6
5	16.8	29.5	21.0	81.0	11.8	20.6	32.4	6.2
6	17.0	27.2	20.8	77.7	1.6	4.9	6.5	3.2
7	17.0	26.0	20.1	84.0	3.6	.1	3.7	1.1
8	15.2	28.2	21.6	80.3	0.0	0.0	0.0	4.0
9	17.2	29.0	21.7	79.3	0.0	0.0	0.0	4.8
10	16.4	30.0	23.1	71.0	0.0	0.0	0.0	8.6
11	16.5	31.2	23.2	78.7	0.0	0.0	0.0	6.2
12	17.0	26.0	21.8	83.7	5.9	5.6	11.5	2.0
13	16.5	26.4	20.4	82.0	0.0	0.0	0.0	8.5
14	14.1	30.0	21.6	75.0	0.0	0.0	0.0	5.6
15	15.2	30.7	22.2	67.3	0.0	15.2	15.2	5.9
16	14.4	28.0	21.0	78.0	0.0	0.0	0.0	5.1
17	15.0	26.1	21.1	81.0	7.5	3.9	11.4	5.4
18	14.8	29.0	20.8	79.0	0.0	9.1	9.1	2.6
19	18.0	26.0	21.6	85.3	6.0	29.0	35.0	.3
20	17.0	27.0	20.8	81.0	0.0	0.0	0.0	2.4
21	16.0	26.9	19.5	80.0	4.6	0.0	4.6	1.0
22	15.5	26.0	19.2	81.0	9.5	0.0	9.5	3.6
23	14.1	25.1	18.3	89.7	4.9	9.1	14.0	2.8
24	16.0	24.2	18.8	83.3	6.5	9.3	15.8	2.6
25	15.9	26.0	20.5	82.0	0.0	39.9	39.9	1.9
26	16.0	27.2	21.1	77.7	0.0	0.0	0.0	7.4
27	16.2	27.0	20.8	80.3	0.0	0.0	0.0	4.4
28	17.2	29.2	22.3	75.7	0.0	6.5	6.5	7.0
29	17.5	29.0	20.9	82.0	.4	9.5	9.9	3.9
30	17.0	25.8	20.2	84.3	7.9	0.0	7.9	.5
31	16.8	27.2	19.8	85.0	40.3	4.5	44.8	2.7
Total :					140.5	167.2	307.7	129.3
Promedio :	16.2	27.7	21.0	80.0				

Estación : EL AGRADO  
Año : 1998

Dpto. : QUINDIO  
Mpio. : MONTENEGRO

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

Noviembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	29.3	22.3	76.0	0.0	0.0	0.0	4.2
2	16.9	29.0	21.5	80.3	1.2	0.0	1.2	5.4
3	17.0	28.3	20.2	80.0	27.9	0.0	27.9	4.8
4	15.0	25.4	19.6	83.3	.5	0.0	.5	2.4
5	17.0	24.0	18.4	95.3	11.1	0.0	11.1	1.1
6	16.8	26.2	20.0	84.7	31.1	17.7	48.8	2.2
7	16.2	24.2	20.0	85.3	0.0	0.0	0.0	1.4
8	14.9	26.0	19.3	82.7	2.3	0.0	2.3	1.0
9	14.1	28.2	20.2	82.7	5.8	27.8	33.6	6.3
10	16.0	26.2	20.6	75.0	0.0	0.0	0.0	4.3
11	16.1	26.5	20.9	77.3	0.0	0.0	0.0	5.5
12	17.0	25.2	20.3	84.0	0.0	0.0	0.0	1.2
13	17.0	29.0	20.6	80.7	9.2	0.0	9.2	5.1
14	18.0	28.2	20.5	83.7	1.7	1.0	2.7	2.9
15	16.0	29.0	21.4	77.3	23.7	1.4	25.1	4.9
16	16.1	28.4	21.2	80.7	0.0	0.0	0.0	4.7
17	17.2	26.0	21.2	82.7	0.0	0.0	0.0	.6
18	17.0	26.4	21.8	79.0	0.0	.7	.7	1.3
19	16.0	28.2	20.5	79.7	3.9	.5	4.4	3.1
20	16.1	24.2	20.4	84.7	0.0	1.1	1.1	.5
21	17.0	26.0	19.6	86.0	3.6	36.4	40.0	1.2
22	16.2	22.0	18.2	83.3	10.6	0.0	10.6	0.0
23	15.0	28.0	20.8	78.0	0.0	0.0	0.0	8.4
24	17.0	24.0	18.8	88.7	13.5	1.4	14.9	.7
25	16.0	27.0	20.0	84.0	0.0	.4	.4	5.0
26	17.0	27.9	22.0	77.3	0.0	0.0	0.0	5.0
27	17.2	26.5	21.3	82.7	0.0	1.1	1.1	2.2
28	17.0	23.8	19.0	90.3	18.2	.4	18.6	.7
29	16.8	26.2	21.5	73.7	0.0	21.6	21.6	3.9
30	17.2	28.5	21.7	80.0	0.0	4.5	4.5	7.6
31								
Total :	—	—	—	—	164.3	116.0	280.3	97.6
Promedio :	16.5	26.6	20.5	82.0				

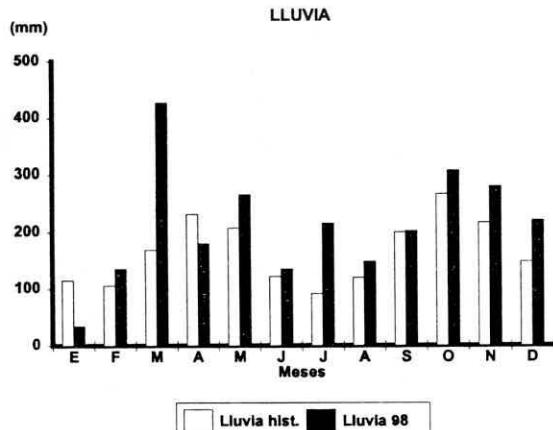
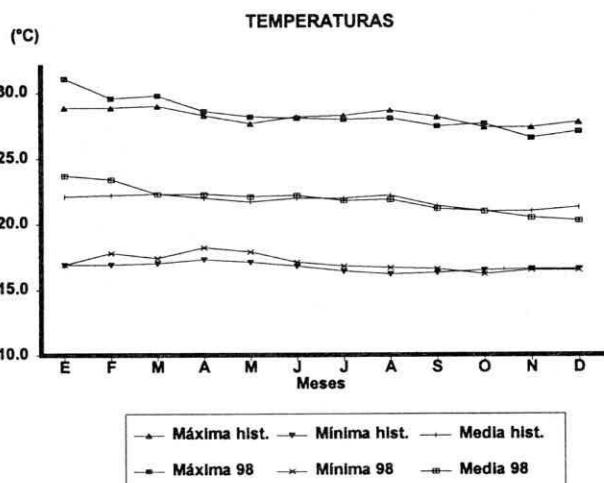
Diciembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	28.2	19.6	83.7	31.7	0.0	31.7	4.4
2	17.2	23.2	18.8	87.0	4.0	0.0	4.0	.7
3	16.5	28.0	21.5	75.0	0.0	0.0	0.0	8.4
4	16.7	28.1	21.6	80.0	0.0	0.0	0.0	1.0
5	15.5	27.6	19.2	85.3	.2	42.8	43.0	3.3
6	17.0	25.2	19.5	90.0	1.8	1.6	3.4	1.9
7	17.0	26.2	19.2	85.0	.4	0.0	.4	4.4
8	16.0	29.0	21.1	76.3	0.0	0.0	0.0	6.8
9	17.0	26.8	20.4	82.0	0.0	0.0	0.0	2.1
10	17.4	26.2	21.0	75.7	0.0	.9	.9	1.6
11	17.0	25.0	19.3	87.7	17.9	3.3	21.2	1.0
12	17.2	27.5	20.2	82.3	2.0	4.6	6.6	2.7
13	17.0	25.1	20.9	84.7	0.0	0.0	0.0	1.3
14	16.0	28.7	21.6	80.0	20.3	9.1	29.4	7.1
15	17.0	28.0	20.1	84.7	.8	0.0	.8	2.8
16	15.2	22.0	18.8	88.7	0.0	0.0	0.0	0.0
17	15.0	26.2	19.2	83.0	16.6	0.0	16.6	2.9
18	16.2	28.5	20.2	78.3	1.1	0.0	1.1	4.6
19	15.0	28.1	18.8	84.0	0.0	0.0	0.0	7.5
20	16.0	28.0	21.0	77.0	0.0	0.0	0.0	4.9
21	15.8	28.2	20.6	77.0	.4	0.0	.4	5.7
22	17.0	28.0	20.3	78.3	0.0	0.0	0.0	7.7
23	15.0	29.0	21.3	79.0	0.0	0.0	0.0	7.1
24	17.0	28.2	21.2	76.3	0.0	7.2	7.2	6.3
25	17.0	27.2	20.6	80.0	0.0	2.4	2.4	4.3
26	16.0	28.2	19.6	80.7	0.0	0.0	0.0	5.7
27	16.0	28.1	19.7	80.3	29.0	0.0	29.0	4.9
28	17.0	26.1	20.2	82.0	13.9	2.1	16.0	2.5
29	17.0	26.0	20.1	82.7	0.0	0.0	0.0	2.9
30	17.1	27.5	22.2	75.3	0.0	0.0	0.0	4.6
31	16.2	28.2	21.8	77.3	6.3	.3	6.6	5.0
Total :	—	—	—	—	146.4	74.3	220.7	126.1
Promedio :	16.5	27.1	20.3	81.3				

Estación : EL AGRADO  
Año : 1998

Dpto. : QUINDÍO  
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.	Días Lluvia	Brillo Sol. (h)
Enero	16.9	31.1	23.7	33.5	14.9	71.8	34.4	5	213.1
Febrero	17.8	29.6	23.4	33.5	15.0	74.5	135.6	8	122.6
Marzo	17.4	29.8	22.3	32.5	15.0	77.8	427.5	21	132.3
Abril	18.2	28.6	22.3	31.0	16.5	79.9	180.5	24	97.8
Mayo	17.9	28.2	22.1	32.0	16.3	78.7	266.0	19	98.8
Junio	17.1	28.1	22.2	31.0	14.0	77.3	135.7	15	115.1
Julio	16.8	28.0	21.8	31.5	14.0	77.2	216.0	20	140.2
Agosto	16.7	28.1	21.9	31.0	14.0	77.0	148.4	16	137.7
Septiembre	16.6	27.5	21.2	30.0	14.0	77.0	202.1	23	104.4
Octubre	16.2	27.7	21.0	31.2	14.1	80.0	307.7	18	129.3
Noviembre	16.5	26.6	20.5	29.3	14.1	82.0	280.3	21	97.6
Diciembre	16.5	27.1	20.3	29.0	15.0	81.3	220.7	18	126.1
Promedio :	17.0	28.4	21.9			77.9			
Absoluta :				33.5	14.0				
Total :							2554.9	208	1515.0



Estación : LA BELLA  
Año : 1998

Dpto. : QUINDIO  
Mpio. : CALARCA

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

Enero	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	28.0	21.6	72.0	0.0	0.0	0.0	2.8
2	15.2	28.4	22.6	64.7	0.0	0.0	0.0	9.2
3	15.4	30.3	23.4	56.7	0.0	0.0	0.0	9.4
4	15.8	30.5	23.8	63.7	0.0	0.0	0.0	9.4
5	16.8	30.2	20.1	75.7	48.2	0.0	48.2	9.5
6	16.8	24.5	21.2	75.7	0.0	0.0	0.0	1.4
7	18.0	24.8	20.5	75.7	5.7	0.0	5.7	.9
8	15.0	28.8	22.4	68.0	0.0	0.0	0.0	9.8
9	16.9	27.4	22.4	64.7	0.0	0.0	0.0	6.6
10	15.7	29.0	23.0	67.3	0.0	0.0	0.0	9.2
11	15.9	30.0	22.6	69.0	0.0	0.0	0.0	8.9
12	17.1	25.9	21.7	77.7	0.0	0.0	0.0	.2
13	17.4	27.8	21.6	76.0	.6	.1	.7	4.7
14	16.6	26.5	20.7	73.7	.1	0.0	.1	2.0
15	17.0	28.4	23.7	67.7	0.0	0.0	0.0	3.5
16	16.2	28.0	22.4	68.3	0.0	0.0	0.0	6.1
17	16.8	28.2	23.6	68.3	0.0	0.0	0.0	6.0
18	16.0	28.5	22.8	68.0	0.0	0.0	0.0	6.1
19	16.9	28.0	22.5	65.3	0.0	0.0	0.0	4.0
20	17.0	27.4	23.1	71.0	0.0	0.0	0.0	3.6
21	17.6	30.9	23.4	65.7	0.0	0.0	0.0	8.1
22	17.5	29.8	23.8	66.0	0.0	0.0	0.0	5.9
23	17.4	29.5	23.8	68.7	0.0	0.0	0.0	7.0
24	17.3	29.8	23.7	66.7	0.0	0.0	0.0	7.2
25	16.0	30.0	23.5	61.3	0.0	0.0	0.0	8.4
26	16.0	29.8	23.2	66.7	0.0	0.0	0.0	8.1
27	16.1	26.0	21.8	71.3	0.0	0.0	0.0	4.7
28	17.0	28.2	22.2	75.7	0.0	0.0	0.0	3.7
29	16.0	30.9	23.6	64.0	0.0	0.0	0.0	8.9
30	17.8	28.8	23.3	65.7	0.0	0.0	0.0	3.9
31	17.0	31.0	24.4	66.0	0.0	0.0	0.0	8.8
Total :					54.6	.1	54.7	
Promedio :	16.6	28.6	22.7	68.6				188.0

Febrero	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.5	31.1	25.0	61.3	0.0	0.0	0.0	8.1
2	18.0	29.9	23.5	70.3	0.0	0.0	0.0	6.6
3	18.3	26.8	20.8	80.7	.2	0.0	.2	1.0
4	17.0	29.0	23.1	67.3	0.0	0.0	0.0	6.5
5	17.8	26.0	21.2	79.7	0.0	0.0	0.0	.3
6	18.0	28.0	23.2	66.7	0.0	.6	.6	3.5
7	19.0	26.4	23.0	69.0	0.0	40.9	40.9	1.9
8	18.0	21.8	20.2	85.0	7.9	16.3	24.2	0.0
9	16.9	22.8	20.2	82.3	0.0	0.0	0.0	.1
10	17.4	22.0	20.3	85.0	3.2	0.0	3.2	.4
11	18.0	24.9	20.6	77.7	0.0	0.0	0.0	.1
12	16.4	25.2	21.1	77.0	0.0	0.0	0.0	.6
13	16.2	28.1	21.6	74.7	0.0	.4	.4	5.7
14	17.4	23.0	20.2	80.7	.6	7.9	8.5	1.3
15	16.0	28.4	22.9	68.3	0.0	0.0	0.0	7.3
16	17.0	30.4	23.4	58.3	0.0	0.0	0.0	9.7
17	16.8	30.1	24.1	57.0	0.0	0.0	0.0	10.3
18	16.7	28.1	23.4	64.3	0.0	0.0	0.0	6.4
19	17.8	27.8	22.6	66.7	0.0	0.0	0.0	3.4
20	16.5	27.9	22.7	65.0	0.0	0.0	0.0	5.5
21	18.6	27.5	23.2	67.7	0.0	0.0	0.0	3.1
22	17.0	29.0	23.6	64.3	0.0	.4	.4	8.2
23	18.8	26.0	21.8	77.0	0.0	0.0	0.0	.5
24	18.0	27.9	23.2	73.0	0.0	0.0	0.0	2.9
25	17.8	28.8	23.7	71.0	0.0	0.0	0.0	6.2
26	16.8	27.9	22.3	72.0	0.0	0.0	0.0	7.2
27	16.6	28.5	21.5	70.3	0.0	0.0	0.0	5.5
28	17.1	28.9	23.2	64.7	0.0	0.0	0.0	5.5
29								
30								
31								
Total :					11.9	66.5	78.4	
Promedio :	17.4	27.2	22.3	71.3				117.8

Estación : LA BELLA  
Año : 1998

Dpto. : QUINDIO  
Mpio. : CALARCA

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

Marzo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.2	28.3	21.6	75.0	6.6	1.6	8.2	3.3
2	18.0	23.1	20.1	86.3	3.0	0.0	3.0	.5
3	15.0	28.4	22.6	65.7	0.0	0.0	0.0	8.8
4	16.8	30.0	21.8	76.3	0.0	0.0	0.0	6.7
5	17.0	25.8	21.9	72.0	0.0	0.0	0.0	1.3
6	17.4	26.0	21.0	81.0	1.9	0.0	1.9	.9
7	18.0	25.8	21.0	79.3	.1	9.8	9.9	1.2
8	17.0	26.9	21.2	78.7	0.0	0.0	0.0	5.2
9	16.9	25.8	20.4	79.3	.1	0.0	.1	3.1
10	15.7	27.8	20.6	77.3	1.5	0.0	1.5	5.3
11	18.0	27.0	21.2	75.3	1.0	0.0	1.0	3.3
12	16.5	28.2	21.8	72.3	0.0	0.0	0.0	6.7
13	16.8	29.4	21.2	73.7	0.0	0.0	0.0	6.4
14	16.9	27.8	22.3	70.0	0.0	0.0	0.0	2.7
15	16.8	27.0	22.1	68.7	0.0	0.0	0.0	3.8
16	16.8	28.0	22.3	69.3	0.0	0.0	0.0	4.4
17	17.1	28.3	22.8	70.0	0.0	0.0	0.0	3.7
18	17.3	30.0	24.1	64.0	0.0	0.0	0.0	6.8
19	17.2	29.0	23.4	72.3	0.0	0.0	0.0	3.2
20	18.3	26.1	21.2	81.7	2.3	0.0	2.3	
21	17.0	27.5	22.7	72.0	0.0	0.0	0.0	4.7
22	16.9	29.0	21.0	71.7	19.9	3.1	23.0	6.7
23	17.9	22.0	19.2	88.0	6.6	0.0	6.6	.2
24	15.8	27.0	21.7	69.7	0.0	0.0	0.0	5.3
25	17.1	29.0	21.8	74.0	.1	.9	1.0	8.0
26	17.2	26.8	20.6	81.0	6.1	1.1	7.2	3.0
27	17.0	25.8	21.2	83.0	0.0	47.9	47.9	.7
28	16.9	24.4	20.3	79.0	.8	1.5	2.3	1.4
29	17.5	25.5	20.7	80.7	0.0	5.1	5.1	.5
30	17.9	24.4	19.9	84.3	30.0	6.7	36.7	.8
31	17.2	27.4	21.5	76.7	0.0	0.0	0.0	4.5
Total :					80.0	77.7	157.7	
Promedio :	17.1	27.0	21.5	75.8				113.2

Abril	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	27.1	21.7	77.7	0.0	0.0	0.0	2.8
2	18.3	26.0	20.8	80.3	0.0	1.2	1.2	1.9
3	18.0	25.2	21.6	79.3	.6	10.1	10.7	.6
4	18.1	26.6	22.1	75.0	0.0	0.0	0.0	.2
5	17.0	27.1	22.0	72.3	0.0	0.0	0.0	5.2
6	17.1	25.2	20.8	82.3	1.4	9.8	11.2	.4
7	17.5	26.4	22.4	76.7	0.0	0.0	0.0	3.6
8	18.8	26.9	22.4	78.3	.2	0.0	.2	2.2
9	18.0	27.0	22.5	76.7	0.0	0.0	0.0	3.0
10	18.2	26.0	22.5	69.7	0.0	17.1	17.1	2.5
11	17.8	23.5	18.7	91.3	35.8	0.0	35.8	0.0
12	15.8	26.0	21.3	74.3	0.0	0.0	0.0	1.3
13	16.9	25.0	20.4	80.0	.4	18.6	19.0	1.8
14	17.0	26.2	21.2	80.0	0.0	0.0	0.0	2.3
15	17.5	27.0	21.5	78.3	6.1	0.0	6.1	2.7
16	17.3	26.4	21.1	76.3	7.4	0.0	7.4	3.8
17	17.5	26.0	21.7	78.7	0.0	15.5	15.5	2.0
18	19.0	24.0	21.4	81.0	.1	0.0	.1	.4
19	18.1	25.4	20.4	81.7	19.4	10.7	30.1	.9
20	17.0	25.6	20.5	84.7	.5	0.0	.5	1.9
21	18.0	25.2	20.9	81.7	0.0	0.0	0.0	1.1
22	17.7	28.1	22.4	74.0	0.0	0.0	0.0	3.6
23	19.1	24.8	21.4	80.7	.3	10.7	11.0	.1
24	18.0	26.5	22.3	78.7	0.0	0.0	0.0	2.7
25	18.2	26.6	21.7	75.3	0.0	13.5	13.5	5.5
26	18.0	23.1	20.0	85.3	5.1	0.0	5.1	.2
27	17.8	26.8	21.6	78.7	0.0	0.0	0.0	2.7
28	18.8	24.8	21.4	85.3	.2	1.4	1.6	.3
29	16.9	26.8	22.8	77.7	0.0	0.0	0.0	2.6
30	19.8	27.4	21.8	80.3	.2	0.0	.2	1.8
Total :					77.7	108.6	186.3	
Promedio :	17.8	26.0	21.4	79.1				60.1

Estación : LA BELLA  
Año : 1998

Dpto. : QUINDIO  
Mpio. : CALARCA

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

Mayo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.6	23.6	20.4	80.3	2.0	1.1	3.1	.3
2	17.2	24.7	20.0	81.0	2.6	6.2	8.8	1.3
3	16.2	21.0	18.5	88.0	23.2	14.9	38.1	.4
4	15.8	20.6	18.0	86.3	5.5	.8	6.3	0.0
5	16.4	23.6	19.8	80.3	6.7	3.4	10.1	.8
6	17.0	25.0	21.2	76.7	.2	10.4	10.6	1.1
7	17.2	25.5	20.4	82.3	5.9	1.9	7.8	3.0
8	17.8	27.0	21.0	81.0	.1	0.0	.1	2.8
9	16.6	25.5	20.6	81.0	.1	0.0	.1	3.4
10	17.0	28.0	21.8	74.3	0.0	0.0	0.0	3.6
11	17.8	24.8	20.2	80.0	3.3	0.0	3.3	3.1
12	16.8	23.2	20.0	84.3	.6	0.0	.6	.2
13	16.0	26.2	21.9	72.3	0.0	0.0	0.0	6.4
14	17.2	27.0	22.7	72.3	0.0	.5	.5	4.3
15	18.2	22.4	20.0	86.7	0.0	0.0	0.0	.4
16	16.0	28.0	23.0	72.3	0.0	0.0	0.0	6.0
17	19.2	25.0	22.1	78.3	0.0	.1	.1	.6
18	18.0	29.0	22.2	78.0	24.0	0.0	24.0	5.8
19	18.8	28.5	23.6	69.7	0.0	0.0	0.0	9.2
20	17.6	28.2	22.8	69.0	0.0	0.0	0.0	9.6
21	18.0	27.2	23.0	70.7	0.0	0.0	0.0	5.9
22	16.8	28.4	22.6	71.3	0.0	0.0	0.0	7.6
23	18.0	25.5	21.3	79.7	0.0	0.0	0.0	.5
24	18.2	27.2	22.1	74.7	0.0	0.0	0.0	1.4
25	19.9	24.0	21.1	84.3	.4	25.5	25.9	.3
26	17.5	21.8	19.1	86.3	4.1	15.9	20.0	.2
27	17.2	24.0	19.4	82.0	.8	4.9	5.7	1.0
28	16.8	22.2	18.8	84.3	6.0	5.6	11.6	0.0
29	17.0	22.0	19.1	84.0	.3	.9	1.2	.1
30	16.0	24.0	20.2	74.3	2.5	0.0	2.5	3.6
31	16.2	28.0	19.3	79.3	25.6	.1	25.7	1.5
Total :					113.9	92.2	206.1	84.4
Promedio :	17.3	25.2	20.8	78.9				
Junio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	24.0	19.0	81.7	1.4	4.0	5.4	.9
2	15.9	24.4	19.6	77.0	.1	5.8	5.9	3.6
3	16.9	25.5	20.8	77.3	.5	0.0	.5	2.2
4	17.0	27.5	21.8	69.7	0.0	0.0	0.0	4.9
5	16.8	25.2	21.0	73.3	.1	0.0	.1	
6	16.0	26.0	21.8	71.0	0.0	0.0	0.0	4.3
7	18.0	25.2	20.1	82.0	9.0	0.0	9.0	1.0
8	17.2	24.6	19.7	87.0	1.5	16.6	18.1	1.8
9	16.8	26.0	21.2	77.3	0.0	0.0	0.0	4.7
10	17.8	26.4	21.3	75.3	0.0	0.0	0.0	1.8
11	16.2	25.2	20.9	73.0	0.0	.3	.3	2.4
12	17.0	30.0	21.9	72.3	0.0	0.0	0.0	4.2
13	16.5	29.0	21.2	73.0	0.0	0.0	0.0	7.1
14	16.2	25.2	21.5	74.0	0.0	.9	.9	1.6
15	18.0	22.4	19.1	87.3	5.7	2.3	8.0	0.0
16	17.0	23.0	19.7	78.0	0.0	0.0	0.0	.8
17	16.4	25.5	21.4	72.7	0.0	0.0	0.0	3.9
18	17.6	25.2	20.1	73.3	0.0	0.0	0.0	3.3
19	16.0	25.0	20.4	80.3	0.0	0.0	0.0	2.9
20	17.6	26.0	21.1	72.0	0.0	.1	.1	4.2
21	17.8	25.2	20.8	78.0	0.0	.2	.2	2.1
22	17.0	24.0	19.8	82.0	0.0	0.0	0.0	2.0
23	18.0	26.0	21.3	71.0	.6	0.0	.6	3.6
24	17.8	26.4	21.5	73.7	0.0	0.0	0.0	4.3
25	17.2	26.3	22.2	71.7	0.0	0.0	0.0	3.8
26	17.4	27.0	21.9	74.7	0.0	0.0	0.0	3.4
27	18.2	25.0	20.8	80.3	.2	0.0	.2	.6
28	16.0	24.2	19.5	83.7	1.1	0.0	1.1	1.9
29	16.2	24.2	20.0	82.7	0.0	0.0	0.0	1.1
30	14.0	28.5	22.6	63.3	0.0	0.0	0.0	10.2
Total :					20.2	30.2	50.4	90.6
Promedio :	16.9	25.6	20.8	76.3				

Estación : LA BELLA  
Año : 1998

Dpto. : QUINDIO  
Mpio. : CALARCA

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

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.5	29.0	22.8	51.3	0.0	0.0	0.0	10.0
2	15.2	25.5	20.0	68.7	0.0	0.0	0.0	4.2
3	17.2	25.2	21.3	73.3	0.0	10.0	10.0	2.3
4	16.5	25.1	19.5	81.7	2.6	49.9	52.5	4.0
5	16.0	22.5	18.2	85.0	1.8	.4	2.2	1.9
6	17.2	25.2	19.9	73.3	0.0	2.2	2.2	3.3
7	17.0	23.5	19.9	80.3	.2	0.0	.2	1.4
8	16.0	23.3	19.3	80.7	0.0	6.3	6.3	1.6
9	15.5	22.2	18.4	82.3	4.8	0.0	4.8	1.2
10	16.0	25.5	20.4	72.3	.6	.3	.9	2.9
11	16.6	24.5	21.2	70.7	0.0	0.0	0.0	2.7
12	16.5	27.0	20.2	74.7	1.0	0.0	1.0	5.5
13	16.0	27.2	21.2	69.3	0.0	0.0	0.0	6.3
14	15.8	25.8	21.2	69.7	0.0	0.0	0.0	4.8
15	17.0	24.5	20.1	76.0	.1	0.0	.1	2.3
16	17.2	23.5	20.3	79.3	.4	1.7	2.1	1.3
17	17.0	24.0	20.2	74.7	.1	7.0	7.1	2.7
18	16.5	24.2	19.9	77.0	.2	4.2	4.4	2.3
19	16.3	24.7	20.5	77.7	0.0	1.1	1.1	3.0
20	17.0	25.6	21.6	70.0	0.0	0.0	0.0	5.5
21	15.0	26.5	21.2	67.7	0.0	0.0	0.0	6.6
22	16.2	24.2	19.6	78.0	0.0	0.0	0.0	2.5
23	16.0	24.0	19.6	69.3	.3	0.0	.3	4.5
24	15.8	25.0	20.8	73.3	0.0	0.0	0.0	2.4
25	16.4	24.2	20.0	72.3	0.0	0.0	0.0	2.7
26	15.0	27.2	20.6	66.3	0.0	0.0	0.0	6.4
27	15.9	25.2	20.7	74.3	0.0	.3	.3	3.6
28	17.0	26.0	20.4	79.0	.8	9.8	10.6	3.4
29	17.2	26.2	21.3	75.0	0.0	0.0	0.0	5.6
30	16.8	25.0	20.2	78.7	7.3	0.0	7.3	1.7
31	14.8	27.0	20.1	75.7	0.0	0.0	0.0	5.1
Total :					20.2	93.2	113.4	113.7
Promedio :	16.3	25.1	20.3	74.1				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.8	29.2	22.1	68.7	0.0	0.0	0.0	6.1
2	16.2	28.2	22.7	59.7	0.0	0.0	0.0	6.9
3	16.2	26.2	20.2	71.7	0.0	0.0	0.0	5.7
4	16.0	26.0	21.5	74.3	.3	0.0	.3	2.9
5	18.0	23.2	20.3	77.3	0.0	26.7	26.7	2.4
6	16.0	21.0	18.2	82.3	.4	.6	1.0	1.6
7	15.0	23.2	19.2	77.3	2.5	3.0	5.5	1.8
8	16.2	23.0	19.7	78.3	0.0	0.0	0.0	4.4
9	14.5	27.8	22.1	66.7	2.3	0.0	2.3	7.2
10	15.4	25.0	19.6	79.0	4.9	9.7	14.6	2.4
11	16.0	24.9	20.4	72.0	.3	0.0	.3	3.4
12	16.2	24.8	21.0	75.3	0.0	0.0	0.0	3.1
13	15.8	25.0	20.4	73.7	0.0	0.0	0.0	3.3
14	17.2	25.8	19.8	79.7	6.3	20.6	26.9	2.7
15	16.2	22.0	18.6	86.3	.3	.9	1.2	.8
16	15.0	26.2	20.5	64.7	0.0	0.0	0.0	7.2
17	16.2	25.0	19.6	80.0	0.0	0.0	0.0	4.2
18	16.0	25.5	21.2	72.0	0.0	0.0	0.0	0.0
19	16.4	23.2	19.2	79.7	0.0	6.6	6.6	1.0
20	16.0	24.5	19.3	79.3	0.0	0.0	0.0	4.3
21	16.8	25.0	20.4	73.3	0.0	0.0	0.0	0.0
22	16.0	26.0	20.7	72.3	.2	0.0	.2	5.9
23	15.0	26.8	22.1	65.3	0.0	0.0	0.0	7.5
24	15.8	27.2	20.9	70.0	0.0	3.0	3.0	5.2
25	15.9	23.8	18.4	80.0	5.1	14.8	19.9	1.8
26	16.0	23.0	19.6	80.7	0.0	4.2	4.2	2.6
27	16.9	24.2	20.1	78.7	.5	0.0	.5	2.3
28	15.2	27.3	22.2	70.0	0.0	0.0	0.0	7.5
29	16.0	27.5	22.4	65.0	0.0	0.0	0.0	6.7
30	18.0	25.2	22.2	70.0	0.0	0.0	0.0	1.9
31	18.0	27.0	20.7	74.7	11.4	7.1	18.5	3.0
Total :					34.5	97.2	131.7	115.8
Promedio :	16.1	25.2	20.5	74.1				

Estación : LA BELLA  
Año : 1998

Dpto. : QUINDIO  
Mpio. : CALARCA

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

Septiembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.8	25.2	20.7	71.7	0.0	0.0	0.0	4.5
2	15.0	24.5	20.6	71.0	0.0	0.0	0.0	2.6
3	17.0	22.4	19.3	75.7	0.0	0.0	0.0	.3
4	16.2	25.0	19.7	76.7	.1	3.4	3.5	3.4
5	16.0	24.8	20.8	76.7	0.0	0.0	0.0	3.3
6	16.0	28.0	23.1	63.7	0.0	2.0	2.0	7.4
7	17.0	24.8	20.8	75.0	0.0	0.0	0.0	.6
8	17.8	24.2	19.6	84.0	2.5	0.0	2.5	2.6
9	17.0	25.5	21.2	73.0	0.0	0.0	0.0	2.6
10	17.2	24.0	20.2	79.7	1.2	2.2	3.4	1.7
11	16.4	24.2	19.6	82.0	.2	.7	.9	1.2
12	16.9	22.0	18.6	87.0	9.4	6.5	15.9	1.0
13	16.0	25.2	19.7	75.0	.8	1.9	2.7	2.8
14	16.4	26.4	19.4	76.7	16.6	1.2	17.8	3.8
15	16.2	25.8	20.5	76.3	0.0	0.0	0.0	3.2
16	17.0	27.1	21.2	70.7	0.0	0.0	0.0	6.0
17	15.0	23.8	20.0	76.3	1.3	0.0	1.3	1.3
18	15.8	27.5	20.6	72.7	0.0	0.0	0.0	4.3
19	16.8	25.8	21.4	68.7	0.0	0.0	0.0	6.0
20	17.2	25.0	21.2	79.3	8.7	0.0	8.7	0.0
21	17.8	24.8	21.0	76.0	0.0	6.0	6.0	.8
22	16.9	25.4	19.8	78.7	2.3	20.3	22.6	1.4
23	16.0	24.5	19.3	80.0	5.3	0.0	5.3	1.2
24	17.1	27.0	21.5	72.3	0.0	0.0	0.0	5.1
25	16.6	26.1	21.8	70.3	0.0	.7	.7	3.4
26	17.6	24.2	19.8	83.3	12.3	5.4	17.7	1.3
27	16.0	24.1	20.0	81.7	0.0	.1	.1	1.1
28	17.0	26.0	21.0	70.0	0.0	0.0	0.0	5.2
29	16.0	27.8	21.9	66.7	0.0	0.0	0.0	5.5
30	17.0	27.1	21.8	70.7	0.0	0.0	0.0	7.9
31								
Total :	—	—	—	—	60.7	50.4	111.1	91.4
Promedio :	16.6	25.3	20.5	75.4				
Octubre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.2	27.4	22.0	72.7	0.0	0.0	0.0	5.1
2	18.1	25.8	22.1	72.3	0.0	0.0	0.0	1.4
3	17.0	26.8	21.1	71.7	0.0	0.0	0.0	4.2
4	16.0	26.7	20.0	79.7	23.1	0.0	23.1	3.0
5	17.0	27.9	20.6	76.0	1.5	17.1	18.6	4.9
6	16.8	25.0	20.7	74.7	.7	5.7	6.4	2.5
7	16.0	24.4	19.7	74.7	.2	0.0	.2	1.2
8	16.0	25.2	21.9	73.7	0.0	0.0	0.0	3.4
9	17.8	27.0	23.1	71.7	0.0	0.0	0.0	4.1
10	17.0	28.8	24.4	62.3	0.0	0.0	0.0	8.4
11	17.0	28.0	24.2	63.3	0.0	0.0	0.0	1.8
12	17.0	24.8	21.3	74.3	0.0	0.0	0.0	1.9
13	17.0	24.4	20.5	74.0	0.0	0.0	0.0	5.6
14	15.0	27.0	20.0	72.3	11.1	0.0	11.1	3.0
15	14.9	26.8	21.1	70.7	0.0	36.4	36.4	4.1
16	14.8	24.8	20.5	68.0	0.0	0.0	0.0	2.3
17	15.8	23.5	19.8	75.0	0.0	0.0	0.0	4.5
18	15.0	26.4	20.1	77.3	.2	6.1	6.3	1.4
19	17.8	24.0	19.4	86.7	9.0	0.0	9.0	.2
20	17.0	24.1	19.8	76.3	0.0	0.0	0.0	.9
21	15.8	24.5	19.0	80.7	4.0	0.0	4.0	
22	15.8	24.0	18.4	74.7	23.4	.3	23.7	1.1
23	15.8	24.2	18.2	83.3	21.1	13.3	34.4	1.1
24	15.0	22.2	17.8	86.0	3.0	15.5	18.5	.8
25	14.9	23.2	20.4	81.3	6.5	22.0	28.5	1.9
26	15.8	26.0	20.5	72.7	0.0	0.0	0.0	7.4
27	15.2	26.0	19.6	74.3	3.5	0.0	3.5	3.4
28	16.8	26.4	21.2	67.3	0.0	0.0	0.0	5.4
29	17.5	26.2	20.4	78.0	3.8	0.0	3.8	2.4
30	17.4	23.2	19.8	81.3	1.1	0.0	1.1	0.0
31	16.2	24.1	18.8	81.3	4.4	0.0	4.4	.7
Total :	—	—	—	—	116.6	116.4	233.0	91.9
Promedio :	16.3	25.4	20.5	75.1				

Estación : LA BELLA  
Año : 1998

Dpto. : QUINDIO  
Mpio. : CALARCA

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

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.5	26.2	20.6	73.3	0.0	0.0	0.0	2.2
2	16.2	27.0	21.4	68.0	0.0	0.0	0.0	5.2
3	16.8	26.0	19.3	76.7	0.0	0.0	0.0	2.2
4	15.6	24.0	19.3	82.0	1.0	.1	1.1	.3
5	16.0	22.8	18.3	91.3	18.5	0.0	18.5	1.3
6	16.4	25.0	19.7	80.0	.2	0.0	.2	.2
7	16.0	24.0	19.8	83.0	0.0	0.0	0.0	1.1
8	15.0	25.0	18.7	78.7	.1	0.0	.1	1.4
9	15.0	25.0	19.5	78.3	.1	37.0	37.1	2.5
10	15.2	24.6	19.6	76.7	0.0	0.0	0.0	3.6
11	16.2	24.9	19.8	75.7	0.0	0.0	0.0	3.2
12	16.5	24.8	19.6	77.3	.2	1.0	1.2	1.1
13	17.0	25.8	20.0	78.0	0.0	13.5	13.5	2.5
14	17.0	25.0	18.8	83.3	30.1	0.0	30.1	.8
15	15.0	25.0	19.2	81.7	.9	0.0	.9	3.3
16	15.2	26.2	20.7	72.3	0.0	0.0	0.0	5.9
17	17.8	24.0	20.4	85.0	0.0	0.0	0.0	1.2
18	18.0	25.0	21.3	77.7	0.0	0.0	0.0	.9
19	16.8	26.0	19.6	77.0	3.7	0.0	3.7	2.7
20	16.4	24.8	20.5	78.3	0.0	0.0	0.0	.4
21	16.8	23.0	18.8	84.7	5.0	19.4	24.4	.7
22	16.0	22.0	18.2	88.3	3.0	0.0	3.0	.1
23	15.0	27.0	20.9	65.0	0.0	0.0	0.0	3.2
24	17.0	22.0	18.6	89.7	0.0	0.0	0.0	.2
25	15.0	25.0	20.0	71.7	0.0	2.3	2.3	3.9
26	17.0	26.2	21.1	71.0	0.0	4.8	4.8	2.1
27	16.8	25.0	20.1	76.3	.2	10.0	10.2	3.6
28	16.5	21.8	17.8	84.0	14.1	3.0	17.1	.4
29	16.0	24.0	19.8	75.3	0.0	4.4	4.4	2.6
30	17.0	26.6	19.9	76.3	.4	6.3	6.7	6.0
31								
Total :					77.5	101.8	179.3	64.8
Promedio :	16.3	24.8	19.7	78.6				

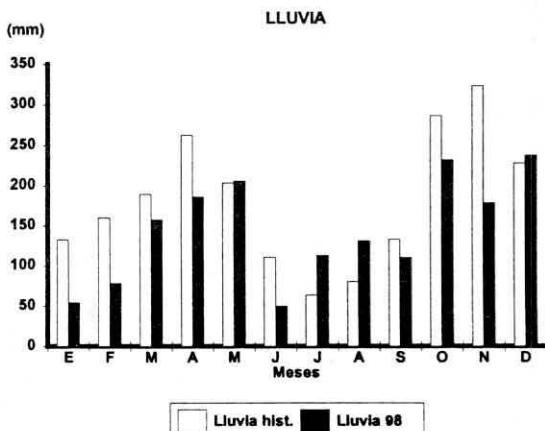
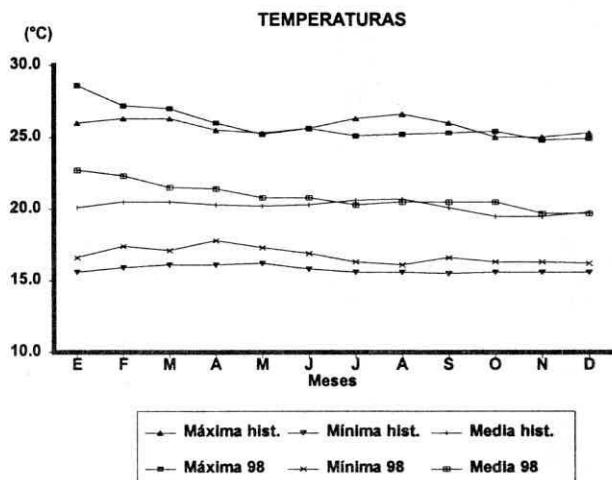
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.9	26.2	19.5	78.3	19.5	0.0	19.5	3.0
2	17.0	23.0	18.7	82.0	4.5	1.1	5.6	.4
3	15.8	26.2	20.2	75.7	0.0	0.0	0.0	5.3
4	16.0	23.5	20.0	76.0	.4	0.0	.4	1.5
5	15.0	26.0	18.0	83.0	33.6	15.5	49.1	3.2
6	16.0	23.0	19.0	84.7	0.0	0.0	0.0	.6
7	16.0	24.0	19.0	77.0	.9	0.0	.9	3.2
8	16.0	25.2	20.4	69.7	0.0	0.0	0.0	3.6
9	17.2	24.8	20.6	73.7	0.0	0.0	0.0	1.4
10	16.4	24.2	20.1	75.3	0.0	2.8	2.8	.2
11	16.8	22.4	18.4	90.3	5.1	0.0	5.1	.5
12	16.5	25.2	19.8	80.0	0.0	0.0	0.0	1.7
13	17.0	24.5	20.3	80.0	0.0	0.0	0.0	2.4
14	16.6	26.5	21.0	74.7	0.0	0.0	0.0	4.1
15	17.8	25.4	20.7	75.7	0.0	0.0	0.0	1.9
16	16.2	21.2	19.3	81.7	0.0	0.0	0.0	.2
17	15.5	23.8	19.0	86.7	1.5	0.0	1.5	1.8
18	15.6	26.0	20.1	75.3	0.0	0.0	0.0	3.3
19	16.6	26.0	21.1	72.0	0.0	0.0	0.0	5.9
20	15.0	26.1	19.9	74.0	0.0	0.0	0.0	4.5
21	15.2	25.0	18.4	81.0	3.0	.5	3.5	1.5
22	16.5	26.8	19.5	74.7	19.6	0.0	19.6	6.1
23	15.5	26.2	19.5	79.0	4.7	0.0	4.7	4.9
24	16.2	26.0	19.1	78.3	34.8	.2	35.0	4.7
25	15.8	24.0	19.3	77.7	4.6	.8	5.4	2.4
26	14.8	24.8	17.6	81.3	64.4	8.0	72.4	4.1
27	14.9	22.2	19.0	73.7	0.0	0.0	0.0	4.2
28	16.8	25.0	19.8	80.0	8.5	1.5	10.0	1.2
29	17.0	24.0	20.2	76.7	0.0	0.0	0.0	1.6
30	17.1	26.5	21.2	69.3	1.7	.4	2.1	3.6
31	16.2	26.8	21.4	73.0	0.0	1.0	1.0	5.1
Total :					206.8	31.8	238.6	88.1
Promedio :	16.2	24.9	19.7	77.8				

Estación : LA BELLA  
Año : 1998

Dpto.: QUINDIO  
Mpio.: CALCARCA

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

MES	TEMPERATURA °C					PRECIPITACION			
	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	16.6	28.6	22.7	31.0	15.0	68.6	54.7	4	188.0
Febrero	17.4	27.2	22.3	31.1	16.0	71.3	78.4	8	117.8
Marzo	17.1	27.0	21.5	30.0	15.0	75.8	157.7	16	113.2
Abril	17.8	26.0	21.4	28.1	15.8	79.1	186.3	18	60.1
Mayo	17.3	25.2	20.8	29.0	15.8	78.9	206.1	21	84.4
Junio	16.9	25.6	20.8	30.0	14.0	76.3	50.4	14	90.6
Julio	16.3	25.1	20.3	29.0	14.8	74.1	113.4	18	113.7
Agosto	16.1	25.2	20.5	29.2	14.5	74.1	131.7	16	115.8
Septiembre	16.6	25.3	20.5	28.0	15.0	75.4	111.1	16	91.4
Octubre	16.3	25.4	20.5	28.8	14.8	75.1	233.0	17	91.9
Noviembre	16.3	24.8	19.7	27.0	15.0	78.6	179.3	18	64.8
Diciembre	16.2	24.9	19.7	26.8	14.8	77.8	238.6	17	88.1
Promedio :	16.7	25.9	20.9			75.4			
Absoluta :				31.1	14.0				
Total :							1740.7	183	1219.8



Estación : PARAGUAICITO

Año : 1998

Dpto. : QUINDIO

Mpio. : BUENAVISTA

Latitud : 4 ° 23'N

Longitud : 75 ° 44'W

Altitud : 1250 m

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	31.0	22.8	75.0	0.0	0.0	0.0	5.9
2	16.0	32.0	24.0	63.0	0.0	0.0	0.0	9.4
3	16.5	33.2	23.7	66.0	0.0	0.0	0.0	10.2
4	17.0	33.3	24.8	65.7	0.0	0.0	0.0	9.5
5	17.2	33.0	22.2	74.7	3.9	0.0	3.9	9.2
6	17.2	27.5	22.2	79.7	0.0	0.0	0.0	1.0
7	18.4	27.3	21.7	76.7	.1	0.0	.1	1.1
8	16.5	31.5	23.7	64.7	0.0	0.0	0.0	9.9
9	17.0	30.0	24.1	64.3	0.0	0.0	0.0	7.5
10	16.5	31.8	24.0	64.3	0.0	0.0	0.0	9.7
11	16.2	32.9	25.0	64.3	0.0	0.0	0.0	8.8
12	18.5	28.6	23.7	72.0	0.0	0.0	0.0	.2
13	18.0	30.8	22.8	76.0	.8	0.0	.8	6.4
14	17.5	30.4	21.8	77.3	12.6	0.0	12.6	3.9
15	17.5	31.5	24.4	66.3	0.0	0.0	0.0	9.7
16	17.2	30.8	23.5	66.3	0.0	0.0	0.0	7.0
17	17.0	31.0	24.2	66.0	0.0	0.0	0.0	7.5
18	16.3	31.6	22.2	77.3	3.3	0.0	3.3	8.4
19	17.2	31.8	23.7	68.0	0.0	0.0	0.0	4.1
20	18.0	31.4	24.4	68.0	0.0	0.0	0.0	5.5
21	17.5	32.5	24.8	66.0	0.0	0.0	0.0	8.5
22	18.1	32.0	25.0	64.7	0.0	0.0	0.0	8.6
23	18.4	32.3	25.0	65.0	0.0	0.0	0.0	8.5
24	18.0	31.5	25.0	63.7	0.0	0.0	0.0	8.9
25	16.3	32.1	24.9	61.0	0.0	0.0	0.0	9.9
26	16.0	31.5	24.0	63.7	0.0	0.0	0.0	8.2
27	16.4	29.0	23.2	66.7	0.0	0.0	0.0	4.2
28	18.0	31.5	23.2	71.0	.1	0.0	.1	5.4
29	16.3	34.0	24.8	61.7	0.0	0.0	0.0	9.2
30	18.0	31.5	24.8	65.0	0.0	0.0	0.0	6.0
31	17.2	33.7	25.6	63.3	0.0	0.0	0.0	7.2
Total :					20.8	0.0	20.8	219.5
Promedio :	17.2	31.4	23.8	68.0				
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.7	33.7	25.5	63.0	0.0	0.0	0.0	10.0
2	18.2	33.0	24.3	72.0	.1	0.0	.1	6.3
3	19.7	30.5	22.5	79.0	10.8	0.0	10.8	1.8
4	17.9	32.1	24.8	67.0	0.0	0.0	0.0	8.2
5	18.8	28.3	23.1	85.0	3.2	.6	3.8	.8
6	19.0	30.1	24.8	67.0	0.0	.4	.4	3.0
7	19.8	29.2	23.4	74.3	0.0	25.7	25.7	.7
8	19.2	24.1	22.0	83.7	2.6	37.2	39.8	0.0
9	18.1	25.2	21.9	82.3	0.0	0.0	0.0	.2
10	18.7	24.3	21.3	89.3	5.5	0.0	5.5	0.0
11	19.0	28.1	22.4	78.7	0.0	0.0	0.0	.5
12	17.4	26.0	22.2	77.0	0.0	0.0	0.0	.1
13	17.0	30.0	22.5	74.7	1.4	3.8	5.2	4.9
14	18.3	26.0	21.6	84.7	.4	4.0	4.4	.7
15	16.7	31.4	24.0	68.3	0.0	0.0	0.0	7.8
16	17.8	34.3	26.0	54.3	0.0	0.0	0.0	9.8
17	15.6	33.0	24.0	56.7	0.0	0.0	0.0	9.8
18	17.2	32.8	24.4	63.7	0.0	0.0	0.0	8.3
19	17.8	30.4	23.8	65.7	0.0	0.0	0.0	4.8
20	17.2	31.4	23.2	69.0	0.0	0.0	0.0	4.9
21	18.7	30.3	23.0	71.0	0.0	0.0	0.0	3.1
22	18.2	32.7	25.2	64.0	0.0	0.0	0.0	6.5
23	19.8	29.0	24.0	71.7	0.0	0.0	0.0	1.0
24	19.0	31.2	24.2	70.0	2.3	0.0	2.3	4.2
25	18.3	32.0	24.7	66.0	0.0	0.0	0.0	6.9
26	16.8	30.9	23.9	71.0	0.0	0.0	0.0	7.3
27	17.8	32.0	23.2	65.3	0.0	0.0	0.0	7.7
28	17.0	31.9	24.5	65.0	0.0	0.0	0.0	8.9
29								
30								
31								
Total :					26.3	71.7	98.0	128.2
Promedio :	18.1	30.1	23.6	71.4				

Estación : PARAGUAICITO  
Año : 1998

Dpto. : QUINDIO  
Mpio. : BUENAVISTA

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	31.5	23.6	75.0	2.6	.7	3.3	1.3
2	20.0	24.8	21.4	90.0	1.3	0.0	1.3	0.0
3	16.8	32.1	24.1	65.7	0.0	0.0	0.0	9.0
4	18.0	33.2	22.3	76.0	14.4	0.0	14.4	6.8
5	18.2	28.7	24.2	73.7	0.0	0.0	0.0	1.8
6	18.4	29.7	21.6	81.3	2.0	.2	2.2	1.6
7	18.0	28.5	22.5	78.7	.2	0.0	.2	1.5
8	18.4	29.7	23.2	75.0	.2	6.3	6.5	2.9
9	17.3	30.1	22.0	78.7	21.3	0.0	21.3	4.7
10	16.2	30.6	23.4	71.0	0.0	0.0	0.0	6.8
11	19.7	30.8	22.8	76.3	.2	0.0	.2	6.4
12	17.0	31.0	24.8	63.3	0.0	0.0	0.0	7.7
13	17.7	32.3	23.8	68.0	0.0	.1	.1	7.0
14	17.8	31.0	23.4	71.0	0.0	0.0	0.0	7.6
15	17.2	29.1	23.8	69.3	0.0	0.0	0.0	3.0
16	17.3	32.0	23.9	70.3	0.0	.1	.1	6.1
17	18.2	31.0	24.1	66.7	0.0	0.0	0.0	4.6
18	17.6	33.2	25.6	63.7	0.0	.1	.1	7.9
19	18.0	32.6	25.6	66.0	0.0	0.0	0.0	6.3
20	19.2	30.0	22.6	78.0	21.8	1.0	22.8	.5
21	18.7	30.3	24.2	68.0	0.0	0.0	0.0	4.3
22	18.3	32.9	22.7	75.0	2.7	.1	2.8	6.8
23	19.0	25.3	20.7	84.7	14.6	4.1	18.7	.4
24	16.9	29.7	23.1	74.3	0.0	0.0	0.0	5.4
25	17.8	32.4	23.5	71.7	.5	.3	.8	9.3
26	18.0	30.2	21.8	79.7	5.7	.4	6.1	4.5
27	18.2	26.7	22.9	77.3	0.0	23.0	23.0	.5
28	18.3	27.5	22.0	77.7	.5	2.7	3.2	1.7
29	18.1	28.2	22.2	79.7	1.6	48.4	50.0	1.0
30	18.5	27.9	21.6	81.3	34.7	3.5	38.2	1.3
31	18.2	28.4	23.6	72.7	.3	.2	.5	5.0

Total : 124.6  
Promedio : 18.0 30.0 23.1 74.2 91.2 215.8 133.7

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.9	27.8	21.8	77.3	3.9	0.0	3.9	2.6
2	18.3	29.1	22.4	77.0	5.8	1.8	7.6	2.8
3	19.0	28.0	22.5	79.3	2.1	10.9	13.0	1.8
4	18.5	30.8	23.2	76.7	.3	0.0	.3	4.1
5	17.8	31.2	23.4	74.0	1.0	0.0	1.0	5.8
6	18.1	28.8	22.0	79.3	26.1	43.8	69.9	1.5
7	18.0	28.6	23.0	74.0	0.0	0.0	0.0	3.8
8	19.4	29.0	23.6	80.3	.3	0.0	.3	2.6
9	19.5	29.5	23.7	76.3	0.0	0.0	0.0	4.3
10	18.8	30.0	24.2	72.7	0.0	3.9	3.9	2.9
11	18.9	24.5	20.2	93.0	26.1	0.0	26.1	.3
12	17.4	29.5	22.8	76.0	0.0	0.0	0.0	2.8
13	17.2	29.8	22.2	76.7	.5	21.7	22.2	3.0
14	19.0	28.0	23.5	72.7	0.0	0.0	0.0	1.2
15	18.4	30.5	22.8	77.3	4.1	3.3	7.4	4.2
16	18.9	30.8	22.8	76.0	6.2	0.0	6.2	5.1
17	18.2	29.5	23.7	77.7	0.0	4.0	4.0	2.7
18	20.0	27.8	23.0	78.7	0.0	0.0	0.0	.1
19	19.8	28.5	22.4	81.0	10.4	25.0	35.4	.4
20	19.0	29.7	23.2	75.7	0.0	1.4	1.4	3.7
21	19.4	28.6	22.8	80.0	2.4	0.0	2.4	1.8
22	19.0	30.4	24.6	74.0	0.0	0.0	0.0	4.7
23	20.2	28.2	23.4	82.3	.9	0.0	.9	.3
24	19.9	29.9	22.7	80.3	1.7	2.7	4.4	2.7
25	19.6	30.0	23.5	73.7	.5	8.7	9.2	5.7
26	19.8	26.0	21.4	87.3	4.5	.1	4.6	.1
27	19.2	28.6	23.5	71.3	1.2	0.0	1.2	3.6
28	20.0	27.2	22.3	80.0	0.0	.4	.4	.6
29	18.8	30.0	24.2	75.0	0.0	0.0	0.0	4.4
30	20.8	28.2	23.0	81.0	10.6	0.0	10.6	2.1

Total : 108.6  
Promedio : 19.0 29.0 22.9 77.9 127.7 236.3 81.7

Estación : PARAGUAICITO  
Año : 1998

Dpto. : QUINDIO  
Mpio. : BUENAVENTURA

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

Mayo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.2	26.8	21.4	82.0	8.9	.3	9.2	1.0
2	18.8	27.2	21.2	84.0	6.6	4.1	10.7	1.9
3	18.6	23.6	20.2	92.3	9.8	0.0	9.8	.1
4	18.0	24.9	20.0	85.3	4.7	1.1	5.8	0.0
5	17.6	25.8	21.2	82.0	5.9	1.4	7.3	.4
6	18.2	28.6	22.8	75.3	0.0	17.0	17.0	.9
7	18.9	28.2	21.6	81.0	2.5	0.0	2.5	3.2
8	19.0	30.8	23.3	73.7	0.0	10.2	10.2	5.1
9	19.2	28.6	22.6	80.0	0.0	0.0	0.0	3.5
10	17.6	31.0	22.0	78.3	11.4	1.0	12.4	5.1
11	18.8	29.8	21.9	78.7	.4	0.0	.4	4.5
12	18.0	26.8	21.2	81.3	0.0	0.0	0.0	.2
13	18.1	30.4	23.2	71.0	0.0	0.0	0.0	8.9
14	18.4	30.2	24.2	73.0	1.4	2.5	3.9	6.5
15	20.2	25.4	22.2	85.7	0.0	0.0	0.0	0.0
16	17.4	30.8	24.4	69.7	0.0	0.0	0.0	8.2
17	20.0	28.2	24.0	75.0	0.0	.3	.3	.5
18	19.0	30.6	24.2	75.3	0.0	0.0	0.0	6.0
19	19.6	30.4	25.2	65.7	0.0	0.0	0.0	8.1
20	17.4	31.2	24.5	67.7	0.0	0.0	0.0	9.7
21	19.6	30.6	25.3	67.0	0.0	0.0	0.0	7.6
22	17.8	30.4	24.3	70.7	0.0	0.0	0.0	7.4
23	19.6	28.4	23.5	76.0	0.0	0.0	0.0	.4
24	19.8	30.4	24.0	71.7	0.0	0.0	0.0	2.7
25	21.0	26.8	23.4	77.0	1.3	11.9	13.2	.2
26	19.8	25.6	21.2	83.0	6.0	12.2	18.2	.2
27	18.6	26.2	20.4	86.3	7.1	6.0	13.1	1.4
28	18.7	25.4	21.2	80.3	7.4	9.7	17.1	.1
29	18.0	24.0	21.2	83.0	.6	0.0	.6	0.0
30	17.6	28.6	21.8	75.0	.7	0.0	.7	3.6
31	17.9	31.0	21.5	76.7	27.3	1.0	28.3	3.7
Total :					102.0	78.7	180.7	101.1
Promedio :	18.7	28.3	22.6	77.5				

Junio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.6	26.4	21.0	81.3	.1	3.8	3.9	.8
2	18.4	28.0	21.8	77.7	0.0	3.6	3.6	3.4
3	18.6	28.4	22.4	79.0	.4	0.0	.4	2.9
4	18.4	29.6	23.6	75.0	.2	0.0	.2	6.6
5	18.6	28.8	22.8	73.0	0.0	0.0	0.0	2.2
6	17.2	28.4	23.2	70.3	0.0	0.0	0.0	4.4
7	19.0	27.6	22.4	78.7	1.8	0.0	1.8	1.3
8	18.0	28.6	22.1	76.0	.4	10.1	10.5	2.8
9	19.0	28.4	22.8	74.3	.5	0.0	.5	3.9
10	18.8	29.8	22.8	76.7	0.0	0.0	0.0	4.2
11	17.8	28.0	22.6	73.0	0.0	.3	.3	3.3
12	18.6	31.6	24.0	69.3	0.0	0.0	0.0	4.9
13	18.4	30.8	24.4	68.3	0.0	0.0	0.0	8.7
14	19.0	29.1	23.7	73.0	0.0	.2	.2	2.9
15	19.6	24.8	21.0	83.3	6.5	8.4	14.9	0.0
16	18.2	26.7	21.4	78.7	0.0	0.0	0.0	1.4
17	17.8	28.9	23.2	71.3	0.0	0.0	0.0	4.7
18	18.2	28.0	22.2	78.0	.2	0.0	.2	2.7
19	16.6	27.8	22.4	75.0	.1	0.0	.1	2.1
20	18.6	29.2	23.3	67.3	0.0	0.0	0.0	3.4
21	19.0	28.8	22.8	74.7	.1	.5	.6	2.8
22	18.4	27.7	22.2	73.0	0.0	.1	.1	1.7
23	19.4	29.6	22.5	75.3	.2	0.0	.2	4.4
24	18.4	29.2	23.2	68.7	0.0	0.0	0.0	4.6
25	17.6	29.6	23.0	70.3	0.0	0.0	0.0	4.3
26	19.0	29.0	24.0	68.7	0.0	0.0	0.0	1.9
27	19.6	28.8	22.5	79.0	2.6	0.0	2.6	1.0
28	18.0	27.9	21.5	81.0	1.5	0.0	1.5	1.6
29	17.4	26.4	21.8	78.3	0.0	0.0	0.0	1.2
30	15.6	31.3	24.6	54.7	0.0	0.0	0.0	8.8
Total :					14.6	27.0	41.6	98.9
Promedio :	18.3	28.6	22.7	74.1				

Estación : PARAGUAICITO  
Año : 1998

Dpto. : QUINDIO  
Mpio. : BUENAVISTA

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

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.4	30.0	22.7	63.0	0.0	0.0	0.0	8.2
2	16.2	28.8	22.6	68.0	0.0	0.0	0.0	4.7
3	18.4	28.9	23.2	70.0	3.8	2.2	6.0	2.2
4	18.4	27.8	21.6	78.3	5.8	49.3	55.1	3.0
5	17.8	26.2	21.2	80.0	4.9	.9	5.8	1.6
6	18.4	28.5	21.6	76.7	1.1	0.0	1.1	5.2
7	18.4	27.4	22.0	76.7	.1	.7	.8	1.8
8	17.8	27.8	21.0	80.3	.8	3.7	4.5	3.7
9	17.4	26.0	20.6	83.0	2.0	1.0	3.0	1.0
10	18.0	28.9	22.2	72.7	.4	.2	.6	2.5
11	17.6	27.5	22.6	72.7	0.0	0.0	0.0	2.6
12	18.0	29.8	24.0	67.7	0.0	0.0	0.0	6.6
13	17.0	30.0	23.2	66.7	0.0	0.0	0.0	7.1
14	16.4	28.6	22.9	70.3	0.0	0.0	0.0	5.3
15	18.0	28.2	22.5	74.7	0.0	0.0	0.0	2.8
16	18.6	26.4	22.1	77.3	0.0	.7	.7	1.6
17	18.4	28.6	22.2	76.0	.7	10.3	11.0	3.1
18	18.0	27.2	21.8	79.0	1.6	1.8	3.4	2.5
19	18.4	29.0	22.8	73.3	4.4	1.5	5.9	5.6
20	18.4	28.6	23.3	71.0	0.0	0.0	0.0	6.7
21	15.4	29.2	22.6	69.0	0.0	.1	.1	6.6
22	17.6	28.4	21.5	76.7	12.2	.1	12.3	2.3
23	17.0	27.4	21.5	74.7	.1	0.0	.1	3.8
24	16.8	29.6	22.8	70.7	0.0	0.0	0.0	3.2
25	18.4	27.8	21.3	78.0	12.0	0.0	12.0	4.4
26	16.0	29.4	23.2	68.3	0.0	0.0	0.0	6.6
27	17.4	28.8	23.6	68.7	0.0	0.0	0.0	3.8
28	18.2	31.0	22.0	76.7	12.6	.4	13.0	5.8
29	19.4	28.8	23.4	69.3	0.0	0.0	0.0	5.7
30	19.6	29.0	22.5	76.0	.9	0.0	.9	2.8
31	16.6	29.8	21.8	73.3	0.0	0.0	0.0	3.9
Total :					63.4	72.9	136.3	126.7
Promedio :	17.6	28.5	22.3	73.5				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	30.4	23.6	68.7	0.0	0.0	0.0	6.0
2	18.4	29.8	23.4	65.7	0.0	0.0	0.0	6.1
3	17.4	28.9	23.2	72.3	0.0	0.0	0.0	5.2
4	16.4	28.6	22.4	76.3	0.0	.3	.3	3.0
5	19.6	27.4	21.9	80.7	3.0	17.0	20.0	2.0
6	17.8	24.6	20.2	85.3	.5	1.6	2.1	.9
7	16.4	26.2	21.5	77.0	.2	1.2	1.4	1.9
8	17.0	26.6	20.9	80.3	1.0	0.0	1.0	2.3
9	14.8	30.0	23.5	68.3	0.0	0.0	0.0	10.2
10	16.4	27.4	21.3	79.7	5.5	8.1	13.6	1.7
11	17.8	27.8	22.5	73.3	0.0	0.0	0.0	5.3
12	17.6	27.0	22.8	74.3	0.0	0.0	0.0	2.6
13	17.4	27.2	21.8	75.7	0.0	0.0	0.0	2.8
14	17.8	28.4	21.2	77.7	6.2	17.0	23.2	4.9
15	18.0	23.8	20.3	84.3	3.0	.3	3.3	.5
16	16.2	29.0	22.5	73.0	0.0	0.0	0.0	6.6
17	17.0	28.0	21.4	74.3	0.0	0.0	0.0	2.1
18	17.4	27.8	22.5	71.3	0.0	1.0	1.0	4.3
19	17.8	27.2	21.6	78.0	0.0	7.0	7.0	2.0
20	18.0	28.6	22.0	76.0	3.5	0.0	3.5	3.3
21	17.7	27.8	22.4	71.7	0.0	0.0	0.0	4.4
22	17.0	28.4	22.2	78.3	0.0	0.0	0.0	2.6
23	16.2	29.2	22.3	74.7	0.0	0.0	0.0	7.6
24	17.2	30.4	23.4	70.0	0.0	.4	.4	6.8
25	17.8	30.0	20.8	80.3	6.6	7.6	14.2	1.4
26	18.0	26.4	21.7	77.3	.1	.4	.5	2.0
27	18.6	27.8	22.4	72.0	0.0	0.0	0.0	4.1
28	16.0	30.9	23.4	64.7	0.0	0.0	0.0	7.9
29	17.0	30.2	22.8	70.7	0.0	0.0	0.0	6.1
30	18.6	28.4	23.6	69.0	0.0	0.0	0.0	3.1
31	18.2	28.6	23.0	69.7	0.0	0.0	0.0	3.0
Total :					29.6	61.9	91.5	122.7
Promedio :	17.4	28.2	22.2	74.5				

Estación : PARAGUAICITO  
Año : 1998

Dpto. : QUINDIO  
Mpio. : BUENAVENTURA

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	29.0	21.4	80.0	8.1	0.0	8.1	5.2
2	16.6	29.1	22.6	73.3	0.0	9.2	9.2	4.3
3	17.8	23.2	20.2	80.7	1.0	0.0	1.0	.2
4	16.4	27.2	21.1	78.0	.5	1.4	1.9	4.3
5	17.0	27.0	21.6	76.0	0.0	0.0	0.0	1.9
6	16.2	30.2	23.4	66.0	0.0	0.0	0.0	9.4
7	17.0	27.6	21.8	74.3	2.4	3.7	6.1	2.7
8	18.2	25.2	20.6	82.3	4.8	0.0	4.8	0.0
9	18.0	28.2	22.2	75.3	2.3	1.0	3.3	4.4
10	18.4	26.0	21.0	82.3	.2	2.5	2.7	2.3
11	17.8	26.7	21.0	78.7	0.0	.2	.2	1.0
12	17.8	24.2	20.4	83.7	2.6	5.6	8.2	.9
13	17.2	27.0	20.6	78.0	1.2	1.3	2.5	2.7
14	16.0	28.9	21.8	72.0	0.0	1.2	1.2	2.5
15	17.6	27.2	22.0	74.3	.1	.3	.4	.8
16	17.8	29.1	20.6	76.3	7.0	0.0	7.0	4.8
17	14.6	27.4	21.4	79.3	4.3	0.0	4.3	1.7
18	15.2	30.0	22.0	72.7	.4	7.4	7.8	6.5
19	17.0	28.2	21.2	75.3	.2	0.0	.2	2.0
20	16.8	27.0	21.8	79.0	0.0	0.0	0.0	2.0
21	18.4	26.8	22.7	72.3	.1	0.0	.1	1.2
22	18.0	27.6	21.0	82.0	4.3	41.6	45.9	3.6
23	17.0	26.9	21.0	79.7	1.2	0.0	1.2	1.5
24	18.2	29.2	23.2	72.3	0.0	0.0	0.0	4.0
25	17.4	29.8	22.0	78.0	13.3	3.7	17.0	3.0
26	18.2	26.8	21.0	81.3	5.6	10.4	16.0	1.4
27	17.2	25.4	20.9	79.3	.1	2.9	3.0	1.2
28	17.8	29.2	23.3	74.3	0.0	29.4	29.4	5.4
29	15.8	29.9	23.0	72.3	0.0	0.0	0.0	6.6
30	18.0	30.8	22.8	73.7	0.0	0.0	0.0	7.0
31								
Total :					59.7	121.8	181.5	94.5
Promedio :	17.2	27.7	21.7	76.8				

Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.6	30.0	23.0	73.3	0.0	.3	.3	4.6
2	19.0	29.1	22.6	76.0	0.0	0.0	0.0	2.0
3	18.0	29.2	21.7	79.0	16.9	0.0	16.9	2.3
4	17.0	29.0	22.8	69.3	0.0	.1	.1	7.2
5	17.1	29.6	21.4	78.7	14.0	3.0	17.0	4.5
6	17.9	27.0	21.8	81.0	.1	4.8	4.9	2.2
7	18.0	26.8	20.3	86.3	17.6	0.0	17.6	.6
8	16.8	28.4	21.9	77.7	0.0	0.0	0.0	2.2
9	18.2	28.7	23.0	77.0	0.0	0.0	0.0	4.1
10	17.8	30.2	23.2	67.3	0.0	0.0	0.0	8.4
11	17.0	30.7	22.9	72.7	0.0	0.0	0.0	6.0
12	17.2	26.8	22.2	75.3	0.0	.2	.2	1.7
13	17.8	27.4	21.2	73.7	0.0	0.0	0.0	3.3
14	15.4	29.9	21.7	74.0	7.1	0.0	7.1	7.4
15	16.6	30.2	22.0	73.3	2.5	23.8	26.3	4.8
16	15.2	26.6	21.0	73.7	10.2	12.5	22.7	2.6
17	15.4	26.2	19.8	88.3	0.0	0.0	0.0	2.7
18	15.4	28.0	21.3	71.7	.1	20.1	20.2	7.0
19	18.2	26.4	21.8	82.0	.5	3.5	4.0	.5
20	18.6	26.6	21.5	76.7	1.2	0.0	1.2	2.7
21	17.2	26.8	20.4	82.0	3.9	0.0	3.9	1.0
22	16.4	26.0	20.2	81.3	6.7	0.0	6.7	1.3
23	16.2	26.3	20.0	78.3	46.5	11.0	57.5	2.4
24	17.2	23.8	19.3	83.3	5.2	21.1	26.3	.7
25	16.8	26.8	20.6	84.0	5.5	7.9	13.4	4.3
26	17.1	28.6	21.6	71.7	0.0	0.0	0.0	8.8
27	17.0	27.6	21.2	76.7	0.0	0.0	0.0	6.7
28	18.0	29.4	23.0	69.7	.8	0.0	.8	7.8
29	18.8	29.0	21.4	76.7	.3	0.0	.3	4.6
30	18.4	25.7	20.8	81.0	1.4	0.0	1.4	.6
31	17.4	27.9	20.6	82.7	52.7	0.0	52.7	3.1
Total :					193.2	108.3	301.5	118.1
Promedio :	17.2	27.9	21.5	77.2				

Estación : PARAGUAICITO  
Año : 1998

Dpto. : QUINDIO  
Mpio. : BUENAVISTA

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

Noviembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.6	26.8	21.6	76.0	0.0	0.0	0.0	3.4
2	17.2	29.9	23.0	67.0	0.0	0.0	0.0	7.5
3	18.0	29.8	21.2	78.7	0.0	0.0	0.0	5.3
4	16.0	26.5	20.5	81.7	2.5	10.2	12.7	.9
5	17.6	24.2	19.5	93.7	5.5	0.0	5.5	2.0
6	17.8	28.1	21.7	70.7	0.0	19.1	19.1	2.8
7	17.4	25.7	20.7	80.3	.5	0.0	.5	1.2
8	15.8	26.2	19.9	80.7	2.2	0.0	2.2	2.4
9	15.2	27.1	21.8	74.7	0.0	71.7	71.7	3.5
10	16.4	26.4	20.8	76.0	0.0	0.0	0.0	4.5
11	16.2	27.1	22.1	74.7	0.0	0.0	0.0	5.4
12	17.8	26.8	21.2	79.7	.6	2.2	2.8	.7
13	18.1	29.0	21.8	77.7	4.8	8.1	12.9	5.6
14	17.6	28.9	20.2	83.0	59.7	0.0	59.7	2.5
15	15.8	29.5	20.6	80.7	36.5	4.9	41.4	5.1
16	16.0	29.3	22.8	74.7	0.0	0.0	0.0	5.9
17	18.8	26.8	22.1	78.7	0.0	0.0	0.0	2.2
18	19.0	27.8	22.4	72.0	0.0	0.0	0.0	2.2
19	17.0	28.2	20.6	78.0	6.7	0.0	6.7	4.4
20	16.6	25.2	21.2	77.7	0.0	6.9	6.9	.2
21	18.1	25.8	20.8	81.0	10.0	15.2	25.2	1.1
22	17.2	24.1	19.7	86.7	3.7	0.0	3.7	.1
23	15.5	29.2	21.8	69.7	0.0	.6	.6	8.9
24	18.8	25.9	20.0	83.0	6.4	8.7	13.1	.7
25	16.2	28.0	20.2	79.3	0.0	0.0	0.0	4.8
26	17.0	28.8	22.2	74.3	0.0	10.9	10.9	5.9
27	18.0	26.8	22.0	78.3	.6	1.6	2.2	5.3
28	17.8	23.2	19.3	94.3	9.0	4.4	13.4	.2
29	17.2	26.0	21.0	74.7	0.0	10.6	10.6	3.8
30	17.8	28.8	22.3	73.7	0.0	.3	.3	6.6
31								
Total					148.7	173.4	322.1	105.1
Promedio	17.2	27.2	21.2	78.4				

Diciembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.8	29.2	22.1	73.0	.3	1.7	2.0	6.1
2	18.6	27.0	20.5	84.3	11.8	1.5	13.3	2.8
3	17.2	27.9	22.0	74.3	0.0	0.0	0.0	5.4
4	18.0	27.1	21.8	79.3	.4	0.0	.4	1.2
5	18.2	28.1	19.6	84.0	22.0	4.0	26.0	3.6
6	16.6	27.0	20.4	83.0	0.0	4.6	4.6	2.8
7	16.8	28.1	21.2	74.7	.5	0.0	.5	3.4
8	16.9	28.9	22.6	69.7	0.0	0.0	0.0	5.4
9	18.6	28.8	22.1	73.3	0.0	.8	.6	3.1
10	18.0	27.4	21.8	74.7	0.0	7.4	7.4	1.3
11	17.8	26.1	20.8	78.3	0.0	2.5	2.5	1.1
12	18.1	29.1	21.1	79.0	5.7	1.7	7.4	2.0
13	18.0	27.5	21.8	78.7	.7	0.0	.7	2.7
14	18.2	29.1	23.2	70.3	0.0	0.0	0.0	5.2
15	18.2	28.1	21.4	79.7	.2	0.0	.2	1.7
16	16.8	23.2	20.4	85.7	0.0	0.0	0.0	0.0
17	16.0	27.1	20.4	81.7	1.1	0.0	1.1	2.2
18	16.4	29.2	21.0	79.7	5.9	0.0	5.9	4.4
19	17.8	29.8	22.0	75.0	0.0	0.0	0.0	5.8
20	16.7	27.8	21.2	77.3	1.1	0.0	1.1	3.3
21	16.6	29.2	22.0	69.3	0.0	18.2	18.2	6.2
22	17.8	29.3	22.0	71.7	.1	0.0	.1	7.1
23	16.9	29.8	21.8	77.3	0.0	0.0	0.0	7.0
24	18.0	30.1	23.4	67.3	0.0	2.7	2.7	6.6
25	18.8	28.3	22.7	73.7	0.0	5.2	5.2	2.8
26	18.0	30.0	21.6	74.0	60.2	3.4	63.6	5.5
27	17.9	31.2	22.4	73.3	20.1	0.0	20.1	6.3
28	19.2	27.5	21.1	81.7	14.0	6.0	20.0	2.5
29	18.2	28.0	21.5	80.7	0.0	0.0	0.0	4.1
30	18.0	29.9	21.7	73.3	3.0	0.0	3.0	5.0
31	17.8	29.2	22.4	76.3	0.0	0.0	0.0	4.1
Total					147.1	59.5	206.6	120.7
Promedio	17.6	28.4	21.6	76.6				

Estación : PARAGUAICITO  
Año : 1998

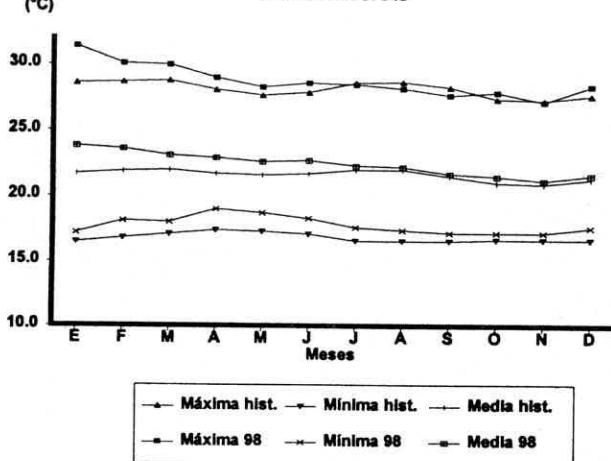
Dpto. : QUINDIO  
Mpio. : BUENAVENTURA

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

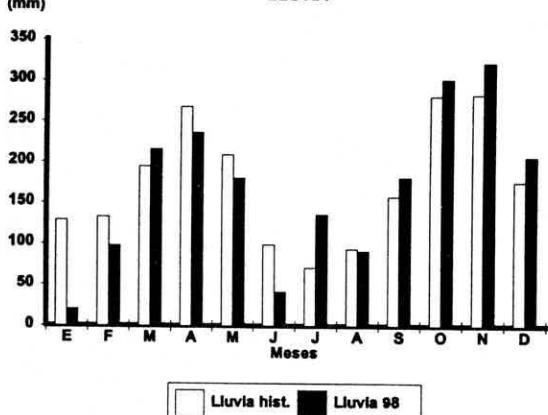
#### TEMPERATURA °C

MES	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	17.2	31.4	23.8	34.0	16.0	68.0	20.8	6	219.5
Febrero	18.1	30.1	23.6	34.3	15.6	71.4	98.0	10	128.2
Marzo	18.0	30.0	23.1	33.2	16.2	74.2	215.8	21	133.7
Abril	19.0	29.0	22.9	31.2	17.2	77.9	236.3	23	81.7
Mayo	18.7	28.3	22.6	31.2	17.4	77.5	180.7	19	101.1
Junio	18.3	28.6	22.7	31.6	15.6	74.1	41.6	17	98.9
Julio	17.6	28.5	22.3	31.0	14.4	73.5	136.3	18	126.7
Agosto	17.4	28.2	22.2	30.9	14.8	74.5	91.5	14	122.7
Septiembre	17.2	27.7	21.7	30.8	14.6	76.8	181.5	24	94.5
Octubre	17.2	27.9	21.5	30.7	15.2	77.2	301.5	22	118.1
Noviembre	17.2	27.2	21.2	29.9	15.2	78.4	322.1	21	105.1
Diciembre	17.6	28.4	21.6	31.2	16.0	76.6	206.6	23	120.7
Promedio :	17.8	28.8	22.4			75.0			
Absoluta :				34.3	14.4				
Total :							2032.7	218	1450.9

#### TEMPERATURAS



#### LLUVIA



□ Lluvia hist. ■ Lluvia 98

Estación : OSPIRMA  
Año : 1998

Dpto. : RISARALDA  
Mpio. : GUATICA

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	27.2	19.6	84.7	5.9	0.0	5.9	4.8
2	15.0	29.2	21.8	69.3	0.0	0.0	0.0	10.1
3	16.2	29.8	23.4	67.7	0.0	0.0	0.0	8.5
4	16.0	30.8	22.7	66.0	0.0	0.0	0.0	9.8
5	17.6	31.4	22.8	66.7	0.0	0.0	0.0	7.8
6	17.5	28.0	21.4	76.3	0.0	5.7	5.7	3.0
7	17.2	25.0	19.8	82.0	0.0	0.0	0.0	2.5
8	15.2	29.5	20.7	73.7	0.0	0.0	0.0	9.6
9	16.4	26.7	21.0	69.3	0.0	0.0	0.0	8.8
10	15.3	28.4	20.8	72.0	0.0	0.0	0.0	9.9
11	16.4	29.7	22.5	71.0	0.0	0.0	0.0	9.0
12	17.2	26.6	21.4	76.7	0.0	0.0	0.0	2.0
13	16.2	27.6	20.8	75.7	2.0	0.0	2.0	6.0
14	16.0	26.0	20.2	76.3	1.9	0.0	1.9	1.0
15	15.4	27.6	20.8	79.7	0.0	0.0	0.0	8.4
16	17.7	28.0	22.0	72.7	0.0	0.0	0.0	7.3
17	16.6	28.4	21.2	73.0	0.0	0.0	0.0	7.2
18	15.2	29.1	21.5	71.3	0.0	0.0	0.0	9.4
19	17.0	27.2	20.9	79.0	0.0	0.0	0.0	8.3
20	17.8	26.6	20.8	83.3	0.0	0.0	0.0	3.6
21	16.7	31.0	21.8	76.0	0.0	0.0	0.0	8.1
22	16.2	28.4	21.7	74.3	0.0	0.0	0.0	9.8
23	17.2	27.4	21.6	77.7	0.0	34.7	34.7	8.0
24	17.3	27.0	21.3	76.0	2.7	0.0	2.7	6.8
25	15.4	29.6	21.7	66.3	0.0	0.0	0.0	9.0
26	15.0	30.2	21.9	66.0	0.0	0.0	0.0	8.7
27	16.7	27.2	21.2	75.0	0.0	1.8	1.8	6.6
28	17.5	27.6	21.1	76.0	0.0	0.0	0.0	2.7
29	16.6	30.0	22.3	66.3	0.0	0.0	0.0	8.6
30	17.3	28.0	21.8	74.3	0.0	.8	.8	5.3
31	17.4	28.9	21.8	72.7	0.0	0.0	0.0	9.8
Total :					12.5	43.0	55.5	220.4
Promedio :	16.5	28.3	21.4	73.8				

Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.3	31.2	23.1	69.3	0.0	0.0	0.0	9.1
2	17.4	30.0	23.4	66.7	0.0	0.0	0.0	7.1
3	18.0	26.3	21.6	78.7	0.0	0.0	0.0	5.1
4	17.0	26.0	20.8	78.3	0.0	.2	.2	6.7
5	18.6	25.0	21.2	81.3	0.0	.1	.1	.8
6	17.6	26.2	20.5	81.7	2.8	0.0	2.8	3.3
7	16.2	26.8	21.3	77.0	.1	35.4	35.5	2.0
8	17.0	21.6	18.4	94.3	23.7	19.8	43.5	0.0
9	16.4	24.0	19.2	87.3	16.6	9.7	26.3	2.1
10	17.2	23.4	19.4	88.0	0.0	0.0	0.0	.5
11	17.0	24.0	19.0	89.0	.8	0.0	.8	1.9
12	16.9	26.8	20.9	75.7	0.0	0.0	0.0	3.7
13	16.2	27.8	21.3	71.0	0.0	0.0	0.0	6.9
14	16.4	23.6	19.4	83.7	0.0	1.8	1.8	2.8
15	17.4	28.2	21.7	81.0	1.3	0.0	1.3	7.3
16	16.5	30.5	22.6	62.0	0.0	0.0	0.0	9.7
17	16.4	30.0	23.7	56.0	0.0	0.0	0.0	10.0
18	16.5	27.8	21.7	72.0	0.0	0.0	0.0	8.9
19	18.0	26.4	21.0	78.0	0.0	0.0	0.0	4.7
20	17.4	27.2	21.8	70.0	0.0	0.0	0.0	8.6
21	18.0	26.2	20.5	81.7	0.0	0.0	0.0	5.5
22	17.6	27.0	21.7	72.3	0.0	.5	.5	5.2
23	18.0	25.8	20.8	82.7	5.2	0.0	5.2	1.4
24	16.5	26.6	20.6	75.0	0.0	0.0	0.0	6.3
25	16.3	28.6	21.2	77.7	0.0	0.0	0.0	8.7
26	17.0	26.4	20.4	76.3	0.0	0.0	0.0	8.7
27	17.6	27.9	22.2	72.0	0.0	.7	.7	8.1
28	17.4	27.8	21.9	72.7	0.0	0.0	0.0	4.4
29								
30								
31								
Total :					50.5	68.2	118.7	149.5
Promedio :	17.1	26.8	21.1	76.8				

Estación : OSPIRMA  
Año : 1998

Dpto. : RISARALDA  
Mpio. : GUATICA

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.2	28.0	21.0	72.7	0.0	42.6	42.6	8.7
2	17.1	24.4	19.3	87.0	4.6	0.0	4.6	1.0
3	16.2	28.4	21.5	72.0	0.0	0.0	0.0	8.7
4	17.4	27.4	22.0	70.0	0.0	0.0	0.0	8.6
5	18.0	25.4	21.2	79.0	0.0	0.0	0.0	1.9
6	17.0	27.0	21.0	79.0	0.0	1.4	1.4	2.6
7	18.0	25.6	20.7	78.0	1.9	3.2	5.1	1.6
8	16.8	27.0	20.4	81.0	5.9	0.0	5.9	4.4
9	17.0	26.8	19.6	81.7	4.7	0.0	4.7	4.2
10	16.4	27.0	21.2	74.0	0.0	0.0	0.0	5.2
11	17.5	26.4	21.2	80.7	0.0	1.3	1.3	6.7
12	16.2	28.0	20.9	71.0	0.0	0.0	0.0	9.5
13	15.6	28.4	21.2	70.3	0.0	0.0	0.0	9.2
14	16.8	26.4	21.8	72.3	0.0	0.0	0.0	2.8
15	16.5	26.2	20.7	76.7	0.0	0.0	0.0	5.9
16	17.9	25.0	20.2	85.7	3.0	0.0	3.0	7.7
17	16.8	27.6	21.3	72.7	0.0	0.0	0.0	4.1
18	17.4	28.4	22.0	74.7	0.0	0.0	0.0	8.3
19	17.2	27.4	21.5	78.7	0.0	0.0	0.0	.1
20	17.4	26.4	20.7	78.3	0.0	.6	.6	2.6
21	16.3	27.4	20.4	76.0	1.2	0.0	1.2	4.7
22	17.5	28.8	21.3	73.7	.5	12.0	12.5	6.4
23	16.0	24.0	18.9	91.0	2.7	1.1	3.8	.6
24	17.2	24.8	19.4	90.0	0.0	0.0	0.0	2.2
25	16.4	28.3	21.4	71.0	.5	0.0	.5	5.4
26	17.1	27.2	20.0	79.7	2.1	.6	2.7	2.7
27	16.5	26.6	20.5	78.3	0.0	4.8	4.8	2.9
28	16.7	26.5	21.1	79.0	0.0	0.0	0.0	2.6
29	17.3	25.9	20.2	84.0	4.3	2.3	6.6	2.9
30	17.4	23.4	19.4	84.0	21.5	0.0	21.5	0.0
31	17.1	26.2	20.3	85.0	0.0	0.0	0.0	3.7
Total :					52.9	69.9	122.8	137.9
Promedio :	16.9	26.7	20.7	78.3				
Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.5	27.4	21.2	84.7	0.0	.5	.5	5.9
2	17.0	25.6	20.5	81.7	.4	14.9	15.3	3.6
3	16.9	25.0	20.0	83.0	3.9	1.4	5.3	.4
4	16.5	26.0	20.9	82.7	7.1	0.0	7.1	3.5
5	16.6	27.4	21.4	74.0	0.0	1.3	1.3	8.8
6	17.0	27.0	20.7	86.0	0.0	46.5	46.5	1.9
7	15.8	26.0	20.2	75.7	0.0	0.0	0.0	5.8
8	17.8	27.0	21.0	78.7	0.0	0.0	0.0	4.1
9	17.6	26.7	20.6	85.7	0.0	.6	.6	3.7
10	17.5	28.0	21.5	79.7	1.0	4.1	5.1	4.1
11	16.7	23.7	19.2	84.3	7.8	.1	7.9	.7
12	17.0	26.2	20.5	81.3	0.0	0.0	0.0	5.6
13	17.1	24.8	20.3	78.7	0.0	2.9	2.9	1.6
14	17.0	26.0	20.3	84.7	0.0	0.0	0.0	2.4
15	17.6	27.4	21.8	74.3	0.0	0.0	0.0	7.7
16	18.0	26.8	20.6	84.3	0.0	0.0	0.0	3.7
17	17.4	27.8	21.3	80.0	1.0	7.0	8.0	3.7
18	16.5	26.0	20.6	78.3	0.0	6.6	6.6	5.7
19	17.8	24.0	19.8	88.7	8.8	11.2	20.0	.7
20	17.2	26.6	20.4	85.3	.3	0.0	.3	3.0
21	17.5	25.6	20.6	80.3	1.6	18.9	20.5	2.9
22	17.4	27.4	21.1	82.7	0.0	0.0	0.0	6.6
23	18.5	24.8	20.3	81.3	0.0	2.9	2.9	0.0
24	16.9	26.0	20.6	84.3	1.3	0.0	1.3	3.7
25	17.5	26.6	20.6	80.7	1.0	.2	1.2	7.4
26	17.0	23.4	18.2	94.0	37.6	0.0	37.6	.4
27	16.2	28.2	21.0	79.0	0.0	.3	.3	3.4
28	17.8	25.4	19.8	80.3	14.6	0.0	14.6	1.9
29	15.5	26.6	21.0	73.3	0.0	21.2	21.2	6.2
30	16.8	25.0	19.5	87.0	12.3	.1	12.4	2.7
Total :					98.7	140.7	239.4	111.8
Promedio :	17.1	26.1	20.5	81.8				

Estación : OSPIRMA  
Año : 1998

Dpto. : RISARALDA  
Mpio. : GUATICA

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

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	23.4	19.3	81.7	3.5	6.9	10.4	.8
2	15.9	24.0	19.3	82.7	0.0	3.9	3.9	2.6
3	17.0	23.2	18.6	80.0	8.7	8.0	16.7	.9
4	16.0	23.0	18.2	80.3	15.0	3.4	18.4	3.2
5	15.6	23.2	18.8	80.0	5.1	0.0	5.1	1.1
6	15.8	24.8	19.4	76.7	1.0	.5	1.5	2.9
7	16.0	24.9	19.2	74.3	0.0	0.0	0.0	6.0
8	15.5	25.6	19.8	78.7	0.0	0.0	0.0	3.8
9	17.0	26.8	21.3	75.0	0.0	0.0	0.0	3.0
10	16.4	27.0	20.5	72.0	16.9	0.0	16.9	5.5
11	16.8	25.4	20.6	77.0	0.0	3.6	3.6	6.2
12	17.1	25.6	20.4	78.7	.5	0.0	.5	2.2
13	15.6	27.2	21.2	70.3	0.0	0.0	0.0	8.4
14	16.9	27.4	21.7	71.7	.1	0.0	.1	4.7
15	17.2	23.4	19.8	86.3	0.0	0.0	0.0	.1
16	16.2	28.0	21.1	67.0	0.0	.3	.3	8.7
17	17.9	27.2	21.3	76.3	0.0	4.0	4.0	3.8
18	17.4	27.0	21.8	75.0	0.0	9.0	9.0	7.4
19	17.6	28.0	22.4	70.3	0.0	0.0	0.0	8.3
20	17.8	28.4	22.2	73.0	0.0	.5	.5	8.9
21	17.1	28.2	22.3	68.3	1.1	0.0	1.1	7.4
22	17.9	28.0	22.4	71.0	0.0	0.0	0.0	7.8
23	17.8	24.2	20.4	84.3	.4	0.0	.4	0.0
24	16.9	26.4	20.2	76.7	8.2	0.0	8.2	4.0
25	17.7	25.6	20.8	75.7	2.7	20.3	23.0	.7
26	16.4	25.4	18.6	87.7	6.5	15.3	21.8	2.4
27	16.5	24.0	19.4	80.0	0.0	15.0	15.0	2.5
28	15.8	23.4	18.3	84.0	15.9	44.4	60.3	.8
29	15.0	22.2	18.5	83.7	.2	.6	.8	.3
30	15.5	26.0	20.1	74.0	0.0	0.0	0.0	4.0
31	16.6	25.8	19.8	78.3	1.7	2.3	4.0	3.2
Total :					87.5	138.0	225.5	121.6
Promedio :	16.6	25.6	20.2	77.1				

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.5	22.4	18.3	84.3	1.3	1.2	2.5	0.0
2	14.8	25.2	18.7	77.7	3.6	1.9	5.5	5.4
3	15.8	25.2	19.5	78.0	.5	0.0	.5	1.6
4	15.2	25.6	19.7	70.3	0.0	7.3	7.3	6.4
5	16.2	25.6	19.5	76.3	0.0	2.3	2.3	4.8
6	15.9	26.4	19.7	75.3	0.0	0.0	0.0	6.6
7	16.5	24.6	19.6	81.3	0.0	0.0	0.0	2.1
8	16.5	25.2	19.6	74.0	3.6	.4	4.0	2.3
9	16.0	25.6	19.6	76.0	0.0	0.0	0.0	5.6
10	16.9	26.0	20.6	69.3	0.0	0.0	0.0	8.5
11	15.8	25.6	19.8	72.7	0.0	0.0	0.0	6.4
12	16.5	26.2	20.3	71.0	0.0	0.0	0.0	6.4
13	16.4	27.6	21.3	68.3	0.0	0.0	0.0	9.1
14	16.5	26.9	21.0	70.0	0.0	.1	.1	2.9
15	16.7	22.8	18.0	93.0	6.2	13.8	20.0	.4
16	15.4	25.2	19.0	76.3	10.2	0.0	10.2	3.9
17	14.6	25.4	19.4	70.7	0.0	0.0	0.0	8.9
18	16.2	26.0	19.6	76.0	0.0	0.0	0.0	5.4
19	16.1	25.0	19.2	76.0	0.0	0.0	0.0	5.6
20	16.2	25.4	19.2	79.3	0.0	12.4	12.4	4.2
21	15.6	25.0	19.0	79.0	1.0	6.7	7.7	5.4
22	16.0	24.4	18.6	78.0	.7	1.2	1.9	.3
23	15.5	25.7	20.0	73.7	.1	.6	.7	4.5
24	15.0	26.2	19.7	71.3	0.0	0.0	0.0	9.3
25	15.6	26.0	20.5	68.0	0.0	0.0	0.0	6.8
26	16.1	26.8	20.8	71.0	0.0	.3	.3	8.1
27	17.0	24.0	19.7	80.3	0.0	.6	.6	0.0
28	15.6	25.7	19.2	76.3	.5	.2	.7	7.0
29	15.8	24.6	19.7	75.3	0.0	0.0	0.0	.2
30	13.8	26.7	20.2	61.7	0.0	0.0	0.0	10.1
Total :					27.7	49.0	76.7	148.2
Promedio :	15.9	25.4	19.6	75.0				

Estación : OSPIRMA  
Año : 1998

Dpto. : RISARALDA  
Mpio. : GUATICA

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

Julio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín.	Máx.	Med.		Día	Noche	Total	
1	15.2	27.8	21.1	58.0	0.0	0.0	0.0	9.8
2	15.6	26.0	20.4	72.3	.3	0.0	.3	6.0
3	16.9	26.2	19.4	73.0	4.5	18.6	23.1	6.4
4	15.4	24.4	19.1	77.7	0.0	10.2	10.2	2.3
5	15.6	21.4	18.4	75.0	0.0	.2	.2	1.7
6	15.0	24.9	18.8	78.3	0.0	7.1	7.1	5.4
7	15.3	22.8	18.1	75.3	.8	.7	1.5	1.8
8	15.6	24.0	18.9	73.3	.1	9.5	9.6	3.9
9	15.2	24.6	18.9	81.7	0.0	0.0	0.0	4.1
10	16.2	25.6	20.0	77.7	0.0	.2	.2	5.0
11	15.7	26.0	19.5	74.0	0.0	0.0	0.0	6.5
12	16.0	26.1	20.0	75.0	0.0	0.0	0.0	8.5
13	16.3	26.4	20.6	65.3	0.0	0.0	0.0	7.3
14	15.6	25.6	19.5	71.3	.2	0.0	.2	4.7
15	15.4	25.0	18.2	81.3	1.7	.8	2.5	7.8
16	16.1	23.9	19.2	74.3	.5	12.6	13.1	4.4
17	15.7	24.2	18.7	78.3	0.0	3.4	3.4	3.7
18	15.4	24.6	19.3	75.3	0.0	20.8	20.8	4.0
19	15.2	25.0	19.2	74.0	0.0	.8	.8	5.7
20	15.3	26.8	20.0	63.7	0.0	0.0	0.0	9.1
21	15.4	27.0	20.6	64.0	0.0	0.0	0.0	7.2
22	16.0	24.8	19.0	80.3	2.5	0.0	2.5	3.1
23	14.9	24.7	18.9	74.0	0.0	13.0	13.0	5.8
24	15.4	25.0	19.8	70.3	0.0	0.0	0.0	4.7
25	15.3	24.4	19.3	73.7	0.0	0.0	0.0	4.9
26	15.2	26.6	20.2	69.7	0.0	0.0	0.0	5.2
27	15.8	25.4	19.6	68.7	0.0	29.4	29.4	6.6
28	15.2	25.0	19.8	73.0	0.0	9.9	9.9	4.7
29	15.3	26.0	19.7	74.0	0.0	1.9	1.9	6.8
30	16.2	25.4	20.3	72.3	0.0	.3	.3	3.6
31	16.0	25.8	19.9	67.3	0.0	0.0	0.0	6.4
Total :					10.6	139.4	150.0	167.1
Promedio :	15.6	25.2	19.5	73.0				

Agosto	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín.	Máx.	Med.		Día	Noche	Total	
1	16.0	26.6	20.7	71.0	0.0	5.5	5.5	5.9
2	16.9	27.2	20.4	74.0	0.0	0.0	0.0	9.2
3	15.2	26.0	19.6	69.0	0.0	0.0	0.0	7.5
4	15.8	26.2	20.3	70.3	0.0	0.0	0.0	7.8
5	16.2	24.8	19.3	74.3	0.0	7.1	7.1	3.3
6	15.5	23.0	18.2	81.3	3.6	1.2	4.8	2.1
7	15.2	24.0	18.6	72.7	0.0	15.8	15.8	2.3
8	15.0	23.0	17.5	82.7	0.0	0.0	0.0	2.4
9	14.6	27.6	19.6	68.0	0.0	0.0	0.0	7.9
10	14.6	25.2	19.8	69.7	0.0	6.0	6.0	6.9
11	15.4	25.8	20.4	77.0	0.0	.4	.4	9.0
12	15.2	26.2	19.9	64.3	0.0	0.0	0.0	6.7
13	13.4	25.4	18.9	73.7	0.0	1.3	1.3	6.4
14	15.2	24.6	19.3	72.7	0.0	5.4	5.4	6.4
15	15.0	22.6	18.2	83.3	2.2	0.0	2.2	.8
16	15.5	24.8	19.7	68.3	.9	0.0	.9	4.0
17	15.6	24.8	18.8	73.3	7.7	0.0	7.7	4.1
18	14.9	25.0	19.0	71.3	0.0	.7	.7	8.2
19	15.0	23.7	18.2	77.7	3.5	0.0	3.5	4.4
20	15.5	24.6	19.4	76.0	0.0	7.3	7.3	1.9
21	15.6	25.2	19.6	77.3	0.0	0.0	0.0	3.8
22	15.4	26.2	20.1	66.7	.4	.7	1.1	6.0
23	16.2	26.4	20.2	75.3	0.0	0.0	0.0	10.4
24	17.0	26.2	20.2	77.0	.1	17.8	17.9	9.6
25	15.2	24.6	18.7	76.3	2.0	15.0	17.0	.7
26	15.7	22.6	17.8	79.3	.8	8.2	9.0	1.4
27	14.8	24.2	18.7	76.7	0.0	0.0	0.0	4.1
28	14.5	26.4	20.5	67.3	0.0	0.0	0.0	9.9
29	16.0	25.6	19.8	73.7	0.0	0.0	0.0	9.1
30	16.6	25.6	20.5	74.0	0.0	.3	.3	2.4
31	15.2	24.6	19.0	74.7	0.0	0.0	0.0	2.7
Total :					21.2	92.7	113.9	167.3
Promedio :	15.4	25.1	19.4	73.8				

Estación : OSPIRMA  
Año : 1998

Dpto. : RISARALDA  
Mpio. : GUATICA

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.4	25.4	19.8	73.7	1.0	.5	1.5	5.6
2	15.9	25.2	18.6	77.7	8.2	10.8	19.0	4.0
3	15.7	21.6	17.2	90.0	1.2	0.0	1.2	.1
4	14.9	24.2	18.0	76.3	.4	0.0	.4	6.4
5	15.2	25.4	19.7	76.3	0.0	0.0	0.0	3.5
6	14.8	26.6	20.2	68.3	0.0	0.0	0.0	9.9
7	16.2	24.6	19.2	78.7	1.8	1.7	3.5	5.4
8	15.8	21.6	17.6	85.0	11.3	.6	11.9	0.0
9	15.2	24.6	19.1	77.7	.8	0.0	.8	6.6
10	15.8	23.2	17.7	87.0	18.5	.1	18.6	2.6
11	14.4	23.8	18.2	76.7	3.8	21.8	25.6	2.5
12	15.3	22.6	17.9	84.7	0.0	0.0	0.0	3.0
13	14.6	24.4	18.9	74.0	0.0	.4	.4	2.4
14	15.9	24.2	19.1	74.3	6.6	11.8	18.4	4.0
15	14.4	24.9	18.8	77.7	0.0	0.0	0.0	3.5
16	15.4	27.4	20.5	71.7	0.0	0.0	0.0	7.7
17	15.4	24.4	19.3	70.7	0.0	0.0	0.0	4.9
18	15.0	26.6	19.5	70.0	0.0	0.0	0.0	6.4
19	15.8	24.2	19.0	74.3	.2	0.0	.2	3.5
20	15.8	25.0	19.8	75.0	.1	.1	.2	6.1
21	16.2	25.4	20.1	73.7	0.0	1.4	1.4	4.1
22	15.7	23.8	19.2	79.0	0.0	3.0	3.0	2.6
23	15.6	23.6	18.6	83.0	10.8	.8	11.4	2.1
24	15.8	25.2	19.4	74.7	0.0	.1	.1	8.0
25	15.2	25.0	19.7	71.7	0.0	21.3	21.3	8.7
26	15.6	23.0	18.0	80.0	.5	35.0	35.5	3.6
27	15.2	25.1	19.3	77.7	0.0	3.3	3.3	6.1
28	15.8	25.4	19.8	71.3	0.0	.3	.3	7.6
29	14.7	26.8	20.4	70.7	0.0	0.0	0.0	8.1
30	16.7	27.4	20.6	70.3	0.0	0.0	0.0	9.8
31								
Total :					65.2	112.8	178.0	148.8
Promedio :	15.4	24.7	19.1	76.4				

Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.9	26.4	20.2	74.0	0.0	0.0	0.0	6.6
2	16.2	25.7	20.6	69.7	0.0	0.0	0.0	2.7
3	16.4	25.4	19.1	75.0	0.0	18.7	18.7	3.5
4	14.8	24.8	19.0	73.7	0.0	.2	.2	8.2
5	16.6	25.8	20.0	76.3	0.0	16.1	16.1	6.1
6	15.4	25.4	19.2	77.3	0.0	.3	.3	3.5
7	16.4	24.0	17.7	91.7	13.5	0.0	13.5	.7
8	15.2	25.5	19.7	77.0	0.0	0.0	0.0	3.1
9	16.4	26.8	20.8	74.7	0.0	0.0	0.0	3.5
10	16.2	28.6	21.4	69.0	0.0	7.0	7.0	7.8
11	16.4	27.0	20.4	69.3	0.0	.1	.1	8.0
12	16.5	25.7	19.6	74.3	.1	0.0	.1	4.9
13	15.4	25.2	18.0	79.0	.2	0.0	.2	.7
14	15.0	26.5	19.4	73.0	0.0	0.0	0.0	7.8
15	15.4	26.5	19.6	76.0	0.0	23.3	23.3	4.7
16	14.4	24.4	18.3	76.0	1.7	0.0	1.7	2.0
17	14.2	25.5	19.2	73.3	0.0	3.6	3.6	4.4
18	15.4	25.6	19.2	76.0	0.0	0.0	0.0	8.0
19	16.3	25.7	18.8	78.7	23.5	0.0	23.5	2.5
20	15.4	23.5	18.6	79.3	.6	.1	.7	1.9
21	15.5	23.6	18.2	78.0	2.6	.3	2.9	1.6
22	14.0	24.9	17.6	76.3	.2	.5	.7	3.7
23	14.9	24.6	18.4	73.7	1.3	3.6	4.9	1.9
24	14.8	23.5	18.0	80.7	.1	18.8	18.9	4.0
25	15.2	23.4	17.6	87.0	5.4	5.5	10.9	2.8
26	14.8	23.8	17.8	81.0	.2	0.0	.2	5.7
27	15.2	24.0	17.8	77.3	0.0	.9	.9	8.2
28	15.0	26.4	19.2	78.3	.5	.2	.7	7.4
29	16.2	24.8	18.4	83.3	.2	1.6	1.8	2.7
30	15.8	25.8	18.1	86.0	8.4	0.0	8.4	1.4
31	15.0	25.2	18.8	80.0	.2	0.0	.2	1.2
Total :					58.7	100.8	159.5	131.2
Promedio :	15.5	25.3	19.0	77.3				

Estación : OSPIRMA  
Año : 1998

Dpto. : RISARALDA  
Mpio. : GUATICA

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

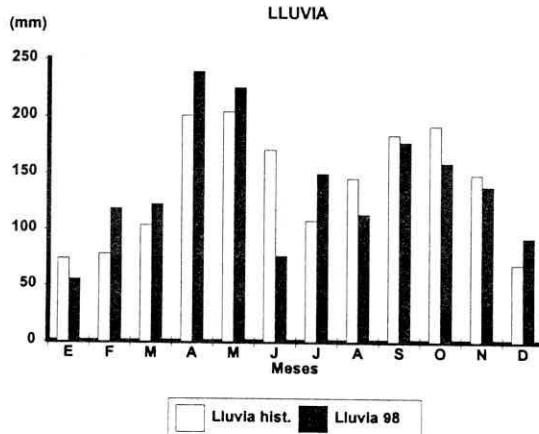
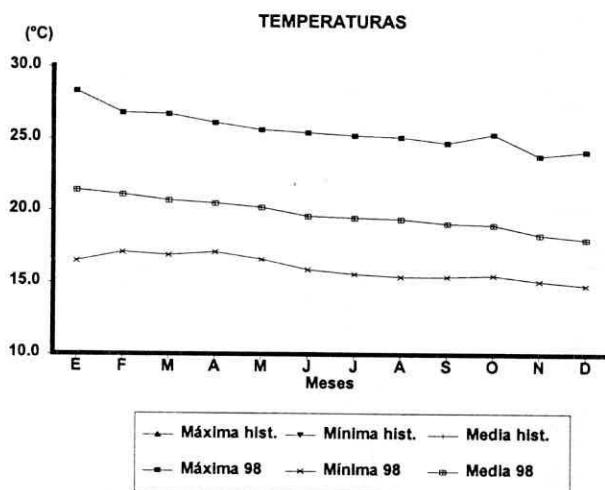
Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.8	25.4	19.4	76.3	0.0	0.0	0.0	7.8
2	14.0	26.1	19.3	75.3	0.0	0.0	0.0	7.2
3	15.4	26.0	19.4	76.7	.2	.2	.4	7.1
4	15.0	24.2	17.4	82.0	5.5	1.7	7.2	1.8
5	15.4	24.4	17.6	86.7	1.9	.3	2.2	2.0
6	15.4	24.8	19.1	78.3	1.6	6.5	8.1	3.5
7	15.8	24.1	18.5	74.7	0.0	0.0	0.0	2.7
8	14.8	22.2	18.2	84.7	2.9	0.0	2.9	3.1
9	15.4	25.0	18.8	75.3	10.3	6.9	17.2	4.7
10	15.0	24.2	18.0	83.0	0.0	1.8	1.8	6.3
11	14.8	25.0	18.5	79.0	11.6	24.7	36.3	8.3
12	16.0	23.8	17.7	84.3	.5	0.0	.5	2.1
13	14.5	24.8	18.2	75.7	.8	5.3	6.1	5.4
14	15.2	24.9	18.6	80.0	0.0	0.0	0.0	2.6
15	16.2	24.2	19.3	76.7	.6	.1	.7	4.3
16	15.1	25.0	19.3	73.3	.5	0.0	.5	7.7
17	15.8	24.8	18.8	81.3	0.0	0.0	0.0	2.7
18	15.4	25.4	19.7	72.3	0.0	0.0	0.0	4.3
19	15.0	24.0	18.6	78.7	6.0	0.0	6.0	3.2
20	14.9	23.0	17.8	82.7	0.0	7.7	7.7	3.6
21	15.1	23.1	18.1	78.7	1.0	10.3	11.3	2.7
22	15.0	20.2	17.0	81.3	2.9	0.0	2.9	0.0
23	14.0	25.0	18.7	70.3	0.0	1.5	1.5	7.1
24	15.2	22.4	17.5	83.0	3.4	2.9	6.3	1.4
25	15.0	22.2	17.1	84.0	5.3	.6	5.9	1.1
26	14.9	23.4	18.0	80.3	0.0	.3	.3	1.9
27	15.0	23.6	18.2	81.0	.5	2.0	2.5	2.7
28	15.1	18.4	16.2	91.0	7.8	1.5	9.3	0.0
29	14.5	23.0	17.4	79.3	.2	0.0	.2	1.9
30	15.0	22.9	17.8	84.0	1.0	0.0	1.0	3.9
31								
Total :					64.5	74.3	138.8	113.1
Promedio :	15.1	23.8	18.3	79.7				
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.0	24.4	18.0	77.7	0.0	15.0	15.0	4.9
2	15.0	20.4	16.8	83.7	.2	.9	1.1	.6
3	14.9	23.2	17.7	76.7	0.0	0.0	0.0	6.3
4	14.4	24.4	18.0	79.0	0.0	0.0	0.0	.9
5	15.8	23.8	17.5	81.0	1.6	0.0	1.6	4.1
6	14.1	21.4	17.0	84.7	1.8	.5	2.3	1.2
7	15.2	23.2	17.4	79.3	17.8	0.0	17.8	2.4
8	14.0	24.0	17.8	73.0	0.0	1.5	1.5	7.8
9	13.9	24.0	17.6	78.3	.1	1.6	1.7	7.9
10	15.0	23.0	17.5	82.0	4.6	4.5	9.1	2.7
11	14.9	22.9	18.1	85.3	5.2	4.5	9.7	2.2
12	15.0	23.0	17.4	83.3	.7	0.0	.7	1.9
13	14.9	24.0	17.4	84.0	0.0	0.0	0.0	3.3
14	14.8	24.8	18.7	75.7	0.0	0.0	0.0	3.9
15	16.0	25.4	18.2	78.0	0.0	0.0	0.0	3.7
16	15.8	22.0	18.0	82.3	0.0	0.0	0.0	0.0
17	15.0	24.2	18.4	77.0	0.0	0.0	0.0	3.2
18	15.1	24.9	17.7	77.0	10.3	13.3	23.6	4.1
19	14.0	25.0	18.0	76.0	1.4	0.0	1.4	7.0
20	14.1	24.8	18.4	71.7	0.0	0.0	0.0	4.4
21	15.0	23.4	18.8	70.0	0.0	.1	.1	3.0
22	14.8	25.0	18.6	68.7	.4	0.0	.4	5.1
23	14.0	24.8	18.0	77.3	0.0	0.0	0.0	8.1
24	15.1	25.2	19.0	70.0	0.0	3.3	3.3	4.3
25	15.0	24.4	18.5	79.3	0.0	.2	.2	4.5
26	14.9	24.2	17.8	79.7	0.0	.4	.4	3.2
27	14.0	25.0	18.0	73.7	0.0	0.0	0.0	8.4
28	15.2	24.2	18.4	79.3	0.0	0.0	0.0	2.3
29	14.1	24.4	18.6	76.0	.4	0.0	.4	3.7
30	14.8	25.4	18.3	79.0	.7	0.0	.7	4.5
31	14.2	26.8	19.8	71.0	0.0	1.7	1.7	7.7
Total :					45.2	47.5	92.7	127.3
Promedio :	14.8	24.1	18.0	77.7				

Estación : OSPIRMA  
Año : 1998

Dpto. : RISARALDA  
Mpio. : GUATICA

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

MES	TEMPERATURA °C					PRECIPITACION			
	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	16.5	28.3	21.4	31.4	15.0	73.8	55.5	8	220.4
Febrero	17.1	26.8	21.1	31.2	16.2	76.8	118.7	12	149.5
Marzo	16.9	26.7	20.7	28.8	15.6	78.3	122.8	17	137.9
Abril	17.1	26.1	20.5	28.2	15.5	81.8	239.4	23	111.8
Mayo	16.6	25.6	20.2	28.4	15.0	77.1	225.5	23	121.6
Junio	15.9	25.4	19.6	27.6	13.8	75.0	76.7	16	148.2
Julio	15.6	25.2	19.5	27.8	14.9	73.0	150.0	20	167.1
Agosto	15.4	25.1	19.4	27.6	13.4	73.8	113.9	19	167.3
Septiembre	15.4	24.7	19.1	27.4	14.4	76.4	178.0	21	148.8
Octubre	15.5	25.3	19.0	28.6	14.0	77.3	159.5	25	131.2
Noviembre	15.1	23.8	18.3	26.1	14.0	79.7	138.8	24	113.1
Diciembre	14.8	24.1	18.0	26.8	13.9	77.7	92.7	20	127.3
Promedio :	16.0	25.6	19.7			76.7			
Absoluta :				31.4	13.4				
Total :							1671.5	228	1744.2



[ ] Lluvia histórica [ ] Lluvia 98

Estación : EL JAZMIN  
Año : 1998

Dpto. : RISARALDA  
Mpio. : SANTA ROSA DE CABAL

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

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.5	28.0	21.0	65.7	0.0	0.0	0.0	4.9
2	15.5	29.5	22.5	64.3	0.0	0.0	0.0	8.9
3	15.0	28.5	21.7	62.0	0.0	0.0	0.0	10.6
4	16.0	30.0	23.2	59.3	0.0	0.0	0.0	8.5
5	16.5	26.5	21.0	71.0	.6	.1	.7	5.6
6	17.0	26.2	20.8	77.0	0.0	1.5	1.5	2.5
7	16.8	23.0	19.0	90.0	1.2	0.0	1.2	.6
8	15.0	28.5	20.6	62.3	0.0	0.0	0.0	9.5
9	15.5	27.5	21.0	64.7	0.0	0.0	0.0	8.4
10	16.0	28.5	21.3	62.3	0.0	0.0	0.0	10.1
11	15.5	29.5	22.4	60.7	0.0	14.9	14.9	9.5
12	16.5	26.0	20.8	70.7	0.0	0.0	0.0	.4
13	16.0	27.5	20.9	64.0	0.0	0.0	0.0	5.7
14	16.5	25.0	20.4	71.7	0.0	0.0	0.0	.9
15	16.5	26.5	21.2	71.7	0.0	0.0	0.0	8.0
16	17.5	28.0	22.0	66.7	0.0	3.1	3.1	8.4
17	17.5	27.5	21.8	65.3	0.0	0.0	0.0	8.7
18	15.5	28.5	21.4	63.3	0.0	0.0	0.0	7.3
19	16.5	27.5	22.0	62.7	0.0	0.0	0.0	5.0
20	17.5	25.5	21.0	71.0	.1	0.0	.1	2.7
21	15.5	30.0	22.8	58.0	0.0	0.0	0.0	7.5
22	16.5	29.0	22.4	66.3	0.0	0.0	0.0	6.5
23	18.0	29.0	22.2	67.7	0.0	0.0	0.0	5.3
24	18.5	28.5	21.6	75.0	0.0	0.0	0.0	6.5
25	16.5	29.0	22.0	52.7	0.0	0.0	0.0	7.8
26	15.0	28.5	22.0	62.3	0.0	0.0	0.0	6.1
27	16.5	28.3	22.2	59.0	0.0	2.6	2.6	5.6
28	17.5	25.5	21.4	72.0	0.0	0.0	0.0	2.6
29	15.0	30.0	22.7	55.0	0.0	0.0	0.0	7.5
30	17.0	28.5	21.0	77.3	2.2	1.1	3.3	4.1
31	16.5	29.0	21.9	68.3	.7	0.0	.7	7.6
Total :					4.8	23.3	28.1	193.3
Promedio :	16.4	27.8	21.6	66.5				

Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.2	30.5	22.9	60.0	0.0	0.0	0.0	9.2
2	17.0	29.0	22.8	69.0	1.3	0.0	1.3	5.1
3	17.9	26.0	21.1	80.0	7.2	0.0	7.2	.4
4	17.0	27.5	22.0	72.7	0.0	3.2	3.2	5.2
5	18.0	24.0	20.6	82.3	0.0	0.0	0.0	.3
6	17.1	26.5	21.5	72.3	0.0	15.6	15.6	.9
7	17.7	25.5	20.6	83.0	1.0	75.8	76.8	.9
8	16.8	21.5	18.3	88.0	10.9	1.5	12.4	0.0
9	16.2	22.5	19.1	84.7	4.2	0.0	4.2	.3
10	16.7	22.0	18.8	88.0	1.0	0.0	1.0	.3
11	16.5	22.5	18.6	92.3	2.1	0.0	2.1	0.0
12	15.6	24.5	20.2	78.7	0.0	0.0	0.0	.8
13	15.2	25.0	19.4	76.3	3.6	60.2	63.8	3.2
14	15.8	25.0	18.6	80.0	3.2	.3	3.5	3.0
15	15.8	28.0	21.5	70.0	0.0	0.0	0.0	8.4
16	16.1	27.8	21.9	66.0	0.0	0.0	0.0	9.3
17	15.8	29.0	22.2	54.7	0.0	0.0	0.0	7.1
18	16.0	26.5	20.6	68.7	0.0	0.0	0.0	5.3
19	17.3	25.0	20.8	75.7	0.0	8.6	8.6	1.7
20	16.6	27.5	21.7	66.7	0.0	0.0	0.0	4.6
21	17.2	25.5	21.3	70.3	0.0	0.0	0.0	2.8
22	17.3	26.5	20.9	72.3	0.0	0.0	0.0	4.2
23	17.5	25.0	19.6	85.7	2.4	.1	2.5	.8
24	17.0	26.0	20.6	72.0	0.0	0.0	0.0	2.5
25	16.0	29.0	22.5	63.3	0.0	0.0	0.0	6.7
26	15.9	27.0	20.2	77.0	.1	0.0	.1	5.2
27	16.3	29.0	21.6	65.0	0.0	0.0	0.0	5.4
28	17.2	26.5	20.7	68.3	0.0	0.0	0.0	4.2
29								
30								
31								
Total :					37.0	165.3	202.3	97.8
Promedio :	16.7	26.2	20.7	74.4				

Estación : EL JAZMIN  
Año : 1998

Dpto. : RISARALDA  
Mpio. : SANTA ROSA DE CABAL

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

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.2	27.0	20.6	75.3	1.5	11.8	13.3	6.7
2	17.0	22.5	19.3	88.3	0.0	0.0	0.0	0.0
3	15.0	27.5	21.8	56.7	0.0	0.0	0.0	7.1
4	16.1	27.5	21.6	65.0	0.0	0.0	0.0	5.2
5	17.0	24.4	20.4	78.0	.7	0.0	.7	.5
6	18.0	26.4	20.7	74.0	0.0	0.0	0.0	.9
7	17.1	23.2	20.4	81.0	.7	4.4	5.1	1.1
8	17.4	26.2	21.2	81.7	2.0	0.0	2.0	4.2
9	16.0	25.0	20.0	79.3	0.0	0.0	0.0	3.2
10	15.9	27.0	21.6	64.7	.6	22.9	23.5	4.9
11	17.0	27.6	21.6	80.7	0.0	0.0	0.0	6.1
12	15.2	27.2	21.8	78.7	0.0	0.0	0.0	10.1
13	15.6	28.2	20.9	87.7	.6	0.0	.6	5.5
14	16.0	28.0	21.6	84.3	0.0	0.0	0.0	3.8
15	18.5	26.8	21.6	84.7	0.0	0.0	0.0	2.4
16	17.5	26.2	21.0	83.3	0.0	0.0	0.0	2.8
17	18.0	26.5	21.9	84.0	0.0	0.0	0.0	2.5
18	17.2	29.0	23.1	77.7	0.0	0.0	0.0	7.2
19	18.0	29.4	23.3	73.7	0.0	0.0	0.0	3.2
20	16.9	26.5	20.7	82.0	4.7	0.0	4.7	0.0
21	16.5	27.0	20.4	85.3	4.3	0.0	4.3	3.7
22	16.6	28.0	20.6	82.0	.3	4.5	4.8	5.1
23	16.9	22.5	18.0	88.0	.6	0.0	.6	0.0
24	14.3	24.5	19.8	87.0	0.0	0.0	0.0	4.5
25	15.5	28.2	21.6	77.3	0.0	6.6	6.6	6.3
26	15.6	28.0	20.2	76.0	34.7	1.7	36.4	3.2
27	16.2	23.2	19.9	81.0	0.0	10.1	10.1	.6
28	16.5	25.6	19.4	83.3	8.0	.8	8.8	1.6
29	16.8	24.5	19.5	86.7	3.3	11.4	14.7	2.9
30	17.2	22.5	18.1	96.0	7.3	.7	8.0	.2
31	16.3	25.2	20.2	82.3	.9	0.0	.9	1.6
Total :					70.2	74.9	145.1	107.1
Promedio :	16.5	26.2	20.7	80.2				

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	25.2	20.0	88.3	1.1	1.0	2.1	2.5
2	17.2	23.8	19.4	93.0	11.1	8.5	19.6	.5
3	17.0	23.0	20.6	87.7	.9	2.0	2.9	.3
4	16.8	23.8	20.2	83.3	1.1	0.0	1.1	1.8
5	15.0	26.0	19.9	74.0	1.2	0.0	1.2	4.4
6	16.8	25.0	20.8	76.7	.4	2.6	3.0	.8
7	17.0	26.5	21.0	77.3	0.0	.4	.4	3.3
8	17.5	26.0	20.8	83.7	1.0	2.9	3.9	2.6
9	17.8	26.4	21.2	75.0	0.0	0.0	0.0	.5
10	17.0	26.0	21.3	69.0	0.0	19.9	19.9	1.8
11	16.5	21.0	18.2	88.7	14.9	0.0	14.9	0.0
12	16.0	24.8	20.4	73.3	0.0	4.2	4.2	1.0
13	16.7	24.2	19.2	86.0	16.7	28.8	45.5	.9
14	17.0	26.0	20.4	82.3	0.0	0.0	0.0	1.7
15	16.2	26.5	21.6	69.0	14.0	22.8	36.8	2.3
16	17.0	26.9	21.3	79.3	0.0	0.0	0.0	3.2
17	17.5	26.8	21.4	74.0	0.0	.2	.2	2.1
18	18.0	25.0	20.6	83.3	4.5	.1	4.6	2.4
19	17.5	23.6	19.6	87.0	9.5	4.3	13.8	.3
20	17.2	24.0	20.2	84.0	2.8	.5	3.3	1.3
21	17.0	25.0	20.8	80.7	.3	1.7	2.0	.9
22	17.5	26.5	20.2	83.0	3.1	.2	3.3	3.7
23	17.8	24.0	19.4	87.0	7.5	.2	7.7	0.0
24	18.0	25.6	20.5	77.3	1.9	34.3	36.2	2.1
25	16.8	25.0	20.4	77.7	2.9	1.6	4.5	2.7
26	17.3	22.0	20.0	85.7	1.3	4.7	6.0	1.3
27	16.8	26.0	20.8	74.3	0.0	8.6	8.6	5.1
28	17.5	23.2	18.4	94.3	4.3	0.0	4.3	1.1
29	15.4	27.0	21.4	71.3	.5	.2	.7	5.9
30	18.0	24.0	20.0	83.7	8.6	0.0	8.6	.6
31								
Total :					109.6	149.7	259.3	57.1
Promedio :	17.0	25.0	20.3	81.0				

Estación : EL JAZMIN  
Año : 1998

Dpto. : RISARALDA  
Mpio. : SANTA ROSA DE CABAL

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

Mayo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.9	24.0	19.4	76.7	8.1	1.2	9.3	.7
2	16.4	24.2	20.2	78.7	2.6	39.8	42.4	2.1
3	16.0	21.6	17.4	92.7	60.3	17.4	77.7	.6
4	15.4	21.7	17.0	87.0	14.9	0.0	14.9	1.0
5	16.0	24.2	19.8	77.0	.2	1.7	1.9	1.8
6	16.1	24.0	20.0	66.0	0.0	1.4	1.4	.1
7	16.8	24.0	19.5	76.7	.6	.3	.9	2.0
8	16.6	26.1	21.2	71.3	0.0	0.0	0.0	2.1
9	17.0	26.5	20.9	82.0	0.0	0.0	0.0	1.5
10	17.0	25.8	20.6	74.3	.4	0.0	.4	4.0
11	17.2	26.2	20.8	72.7	.2	2.0	2.2	3.3
12	17.0	24.0	19.6	87.7	10.8	0.0	10.8	.8
13	14.0	27.8	21.7	65.7	0.0	0.0	0.0	8.7
14	17.0	26.9	20.6	85.3	2.3	1.8	4.1	5.8
15	17.2	23.6	19.8	88.3	0.0	0.0	0.0	.2
16	16.0	28.5	22.6	62.3	0.0	0.0	0.0	8.0
17	18.1	27.8	21.0	80.0	8.8	4.6	13.4	1.0
18	17.3	25.5	22.0	74.7	0.0	7.0	7.0	2.1
19	17.6	27.0	21.9	72.3	0.0	0.0	0.0	5.6
20	17.8	29.0	22.8	65.3	0.0	0.0	0.0	6.9
21	18.3	28.0	21.6	74.0	0.0	0.0	0.0	5.9
22	17.2	28.4	22.4	70.0	.5	3.8	4.3	8.0
23	18.0	23.5	20.2	91.7	3.2	.2	3.4	.3
24	17.1	24.4	20.0	87.0	12.7	0.0	12.7	3.3
25	18.5	23.6	19.7	84.3	21.0	9.3	30.3	.3
26	17.0	23.5	19.4	86.0	3.9	6.4	10.3	1.2
27	16.4	22.5	18.5	90.0	1.6	19.3	20.9	1.1
28	16.0	20.5	17.6	90.0	4.7	14.2	18.9	0.0
29	15.8	21.2	18.4	86.7	1.3	.6	1.9	.1
30	15.2	26.0	19.8	78.3	0.0	.4	.4	1.4
31	16.0	24.5	19.6	78.3	5.1	5.8	10.9	.9
Total :					163.2	137.2	300.4	80.8
Promedio :	16.7	25.0	20.2	79.1				

Junio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.0	23.6	18.9	84.0	2.0	1.5	3.5	.8
2	14.2	23.0	19.0	84.0	.7	2.7	3.4	3.5
3	16.0	22.7	18.9	84.3	1.9	0.0	1.9	1.6
4	14.8	24.3	19.3	78.0	.3	.1	.4	4.6
5	15.8	24.8	18.8	82.7	2.1	0.0	2.1	3.9
6	15.7	26.2	20.9	70.0	2.0	0.0	2.0	5.5
7	16.5	25.0	19.4	83.3	3.4	0.0	3.4	.8
8	16.0	24.0	18.8	89.0	5.7	3.4	9.1	.8
9	16.8	25.5	20.8	74.0	.1	0.0	.1	3.5
10	16.5	26.0	20.3	81.7	.1	0.0	.1	4.0
11	16.1	26.2	19.9	85.7	8.2	0.0	8.2	6.7
12	16.9	26.5	21.0	72.7	.2	0.0	.2	2.1
13	16.5	27.5	22.4	61.0	0.0	0.0	0.0	7.0
14	16.8	25.5	21.4	75.0	.3	29.9	30.2	2.8
15	16.5	20.9	17.6	95.0	15.9	1.4	17.3	.1
16	15.8	25.0	19.8	75.0	.1	0.0	.1	2.6
17	16.0	26.0	20.2	73.0	0.0	0.0	0.0	5.8
18	17.5	25.1	19.6	75.7	0.0	0.0	0.0	1.9
19	15.7	24.2	20.4	74.7	.1	.9	1.0	3.8
20	17.2	25.0	20.2	80.3	0.0	2.1	2.1	1.7
21	17.0	23.0	18.9	88.0	32.7	1.7	34.4	3.2
22	16.0	24.5	19.3	80.0	.4	38.7	39.1	2.2
23	16.2	24.8	18.8	78.3	21.8	6.4	28.2	1.6
24	16.7	26.0	20.2	72.7	0.0	0.0	0.0	7.1
25	17.8	26.6	21.1	73.3	0.0	0.0	0.0	2.7
26	16.0	27.0	20.6	70.7	0.0	0.0	0.0	5.5
27	16.7	24.0	19.8	81.7	6.0	8.8	14.8	0.0
28	16.0	23.5	19.7	80.7	3.6	3.1	6.7	2.7
29	17.0	24.0	19.6	75.3	0.0	0.0	0.0	1.2
30	14.0	28.1	20.8	54.7	0.0	0.0	0.0	10.3
31								
Total :					107.6	100.7	208.3	100.0
Promedio :	16.2	25.0	19.9	77.8				

Estación : EL JAZMIN  
Año : 1998

Dpto. : RISARALDA  
Mpio. : SANTA ROSA DE CABAL

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

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.4	28.0	21.5	58.3	0.0	0.0	0.0	8.3
2	15.7	27.2	20.7	65.3	0.0	12.9	12.9	4.9
3	17.0	23.8	18.7	88.3	2.1	4.0	6.1	2.3
4	15.6	21.0	17.6	90.7	16.4	29.6	46.0	.5
5	15.5	20.4	18.2	85.7	1.8	6.5	8.3	.3
6	15.4	24.0	17.4	90.7	8.1	11.4	19.5	2.8
7	15.2	20.2	17.3	86.7	7.0	0.0	7.0	.4
8	15.5	23.0	18.3	79.7	1.5	11.3	12.8	3.0
9	16.0	23.9	19.1	81.0	.4	0.0	.4	3.5
10	17.0	24.2	20.2	72.7	0.0	0.0	0.0	.7
11	16.5	24.1	20.4	72.0	.4	16.4	16.8	2.8
12	16.5	26.5	20.7	70.0	0.0	0.0	0.0	6.0
13	16.8	25.5	20.8	69.3	0.0	0.0	0.0	5.4
14	16.0	24.0	19.8	75.0	0.0	0.0	0.0	3.1
15	15.0	24.5	18.8	77.0	.9	16.4	17.3	3.9
16	16.0	23.0	18.8	81.3	0.0	15.8	15.8	1.9
17	15.5	23.5	20.1	73.3	.7	46.7	47.4	3.1
18	15.0	23.8	18.8	78.3	1.8	33.4	35.2	1.8
19	15.5	23.5	19.8	78.3	0.0	.2	.2	4.1
20	15.0	26.5	20.2	67.0	0.0	0.0	0.0	6.4
21	15.5	25.5	20.0	69.3	0.0	.5	.5	6.1
22	17.0	23.5	19.4	76.0	1.4	0.0	1.4	1.6
23	16.6	25.2	19.5	75.0	0.0	0.0	0.0	3.4
24	15.8	24.0	19.6	75.7	7.4	0.0	7.4	2.8
25	16.0	23.4	18.9	79.0	1.9	0.0	1.9	1.6
26	15.5	26.9	19.8	71.0	0.0	0.0	0.0	4.6
27	15.0	24.0	19.5	73.7	0.0	29.7	29.7	2.1
28	16.0	25.5	20.2	75.7	0.0	2.9	2.9	4.0
29	16.1	25.3	19.8	78.3	0.0	3.5	3.5	4.8
30	16.0	24.0	19.1	78.3	4.6	0.0	4.6	2.1
31	15.1	25.0	20.0	71.3	0.0	0.0	0.0	2.4
Total :					56.4	241.2	297.6	100.7
Promedio :	15.8	24.3	19.5	76.3				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.0	26.5	20.4	67.7	0.0	0.0	0.0	6.3
2	17.0	27.0	21.6	64.7	0.0	.1	.1	5.7
3	17.5	26.8	21.5	67.7	0.0	0.0	0.0	4.2
4	17.2	26.0	20.6	74.7	0.0	2.0	2.0	3.6
5	17.0	24.5	20.0	81.3	1.2	9.0	10.2	2.1
6	16.0	22.1	18.2	79.0	1.9	1.2	3.1	.2
7	15.7	22.0	18.0	79.3	.2	25.6	25.8	.6
8	15.2	23.5	19.1	76.3	1.1	.4	1.5	3.6
9	14.0	25.5	19.2	60.3	0.0	0.0	0.0	6.3
10	15.0	26.1	20.6	66.3	0.0	7.7	7.7	5.0
11	16.5	25.5	20.7	74.0	.6	0.0	.6	6.2
12	17.0	24.8	20.2	67.0	0.0	0.0	0.0	1.0
13	16.2	24.8	19.6	76.3	.5	46.3	46.8	2.5
14	16.0	25.0	19.3	79.0	6.7	36.8	43.5	3.1
15	15.2	22.0	18.7	81.3	.3	.8	1.1	1.8
16	15.0	23.5	18.2	79.3	1.5	0.0	1.5	1.7
17	14.5	23.0	19.4	75.7	0.0	0.0	0.0	2.4
18	15.0	25.5	20.9	64.7	0.0	0.0	0.0	6.1
19	14.8	23.1	18.2	78.7	27.1	13.9	41.0	1.9
20	15.0	25.4	18.6	80.0	3.0	9.1	12.1	3.7
21	15.5	24.5	19.6	75.0	0.0	0.0	0.0	1.7
22	15.0	24.2	19.8	70.0	.5	0.0	.5	2.5
23	15.1	26.5	20.5	68.0	1.6	0.0	1.6	8.3
24	16.0	26.3	20.6	69.7	0.0	12.4	12.4	4.6
25	15.3	22.5	18.0	81.0	1.3	13.8	15.1	2.4
26	15.0	21.5	17.6	89.7	3.3	.4	3.7	.5
27	14.9	23.4	18.6	76.3	0.0	0.0	0.0	3.9
28	15.2	26.8	20.8	59.7	0.0	0.0	0.0	7.4
29	16.0	26.1	20.5	65.7	0.0	21.6	21.6	4.1
30	16.5	24.2	19.7	75.3	.5	0.0	.5	1.3
31	17.0	23.1	19.2	77.0	0.0	0.0	0.0	2.9
Total :					51.3	201.1	252.4	107.6
Promedio :	15.7	24.6	19.6	73.6				

Estación : EL JAZMIN  
Año : 1998

Dpto. : RISARALDA  
Mpio. : SANTA ROSA DE CABAL

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

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.6	23.0	19.4	72.3	4.6	0.0	4.6	3.0
2	15.0	23.2	18.4	78.3	28.5	72.9	101.4	1.3
3	14.9	18.0	16.3	92.7	29.3	0.0	29.3	0.0
4	14.8	23.7	18.6	72.3	0.0	0.0	0.0	4.2
5	15.1	24.1	19.4	73.3	.5	0.0	.5	3.5
6	15.0	25.8	20.1	62.0	0.0	0.0	0.0	5.1
7	15.7	24.0	18.9	74.7	4.6	10.4	15.0	.5
8	16.0	22.0	17.2	92.7	14.3	.7	15.0	.9
9	15.0	23.0	18.4	77.7	0.0	3.7	3.7	3.3
10	15.4	23.1	18.3	77.7	15.4	0.0	15.4	1.1
11	15.0	25.4	18.9	76.7	.3	.1	.4	1.9
12	16.0	20.2	17.3	87.7	14.7	5.4	20.1	.4
13	15.0	22.0	18.6	82.0	3.6	1.5	5.1	3.0
14	16.0	23.0	19.2	75.0	.7	26.5	27.2	1.3
15	14.2	24.8	19.0	74.7	2.4	0.0	2.4	3.8
16	15.9	24.9	18.9	71.7	1.0	0.0	1.0	5.4
17	14.1	23.0	18.0	72.3	6.4	0.0	6.4	2.7
18	13.9	26.1	20.0	68.0	0.0	0.0	0.0	6.0
19	16.0	24.0	19.5	75.3	.6	0.0	.6	4.6
20	16.3	24.2	19.2	83.7	4.9	0.0	4.9	2.8
21	16.0	23.8	19.7	74.7	.2	5.6	5.8	1.6
22	15.5	23.0	18.1	86.0	.6	29.2	29.8	.5
23	15.0	20.1	17.6	87.7	2.6	0.0	2.6	.9
24	15.1	23.9	19.6	78.7	0.0	.6	.6	3.4
25	16.0	25.2	19.8	80.3	.8	33.3	34.1	4.4
26	15.5	24.9	18.8	77.0	7.4	7.0	14.4	1.3
27	15.7	23.0	18.6	76.7	.7	0.0	.7	1.5
28	15.9	24.8	19.4	71.0	0.0	0.0	0.0	5.5
29	14.9	26.8	20.8	61.7	0.0	0.0	0.0	7.8
30	16.0	27.8	21.0	66.3	0.0	.2	.2	7.3
31								
Total :					144.1	197.1	341.2	
Promedio :	15.3	23.7	18.9	76.7				89.0

Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	26.0	19.0	68.7	18.3	1.3	19.6	5.4
2	17.0	24.9	20.1	72.7	0.0	0.0	0.0	1.5
3	15.2	24.0	19.7	70.7	2.2	24.9	27.1	2.3
4	15.0	25.8	20.4	70.0	.1	6.9	7.0	7.0
5	16.8	24.8	19.6	74.3	.3	6.7	7.0	1.7
6	15.4	21.0	17.0	90.7	5.7	.8	6.5	.3
7	16.0	21.2	17.8	87.7	2.6	0.0	2.6	.9
8	15.0	24.0	18.9	77.3	3.9	0.0	3.9	1.9
9	15.8	24.7	19.5	76.3	.4	0.0	.4	1.4
10	16.0	26.4	20.6	69.7	0.0	0.0	0.0	5.8
11	17.0	26.1	20.4	65.7	5.0	0.0	5.0	4.2
12	16.1	23.8	18.7	71.7	.2	0.0	.2	1.9
13	15.0	22.0	18.2	85.0	.3	0.0	.3	.5
14	14.0	26.0	19.2	65.7	17.5	0.0	17.5	7.2
15	15.0	26.0	19.2	66.3	0.0	12.8	12.8	5.6
16	14.0	22.0	18.4	74.3	0.0	0.0	0.0	2.7
17	13.9	24.0	17.2	81.0	.2	1.6	1.8	3.4
18	14.0	25.2	19.8	69.7	.6	0.0	.6	6.0
19	17.0	24.4	18.8	79.0	31.5	0.0	31.5	2.0
20	15.1	24.0	18.6	74.7	15.7	0.0	15.7	2.1
21	15.0	24.1	17.6	78.0	9.7	0.0	9.7	.7
22	14.0	21.9	17.0	76.0	16.4	0.0	16.4	1.1
23	14.0	21.8	17.2	78.0	29.4	35.7	65.1	2.4
24	15.0	22.1	17.7	82.0	20.9	27.6	48.5	1.5
25	14.9	24.0	18.0	80.0	7.5	11.7	19.2	1.7
26	15.1	23.9	18.7	76.3	.3	0.0	.3	6.0
27	15.2	23.1	18.8	70.0	5.6	0.0	5.6	4.8
28	16.0	25.1	18.5	77.7	.2	7.5	7.7	4.3
29	16.0	23.0	19.2	79.0	0.0	22.9	22.9	2.6
30	16.1	22.1	18.5	80.3	1.5	0.0	1.5	.1
31	15.8	24.0	18.4	79.7	1.3	1.3	2.6	.6
Total :					197.3	161.7	359.0	
Promedio :	15.4	23.9	18.7	75.7				89.6

Estación : EL JAZMIN  
Año : 1998

Dpto. : RISARALDA  
Mpio. : SANTA ROSA DE CABAL

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

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.2	22.9	18.6	75.3	.6	0.0	.6	2.7
2	15.0	25.0	19.6	70.7	2.9	0.0	2.9	2.6
3	16.0	24.8	19.0	71.7	.6	0.0	.6	1.8
4	15.9	22.4	17.7	88.7	2.1	4.0	6.1	1.6
5	15.2	23.2	18.4	77.7	.7	0.0	.7	.7
6	16.0	23.0	18.0	77.0	2.6	9.3	11.9	1.1
7	15.1	20.2	16.8	91.7	5.5	0.0	5.5	.9
8	14.8	22.9	18.5	70.0	0.0	0.0	0.0	.9
9	15.1	25.8	19.5	71.3	.9	12.9	13.8	3.6
10	15.2	23.0	19.0	73.7	0.0	0.0	0.0	2.7
11	15.1	24.0	19.1	72.0	0.0	14.9	14.9	3.7
12	16.0	22.1	18.2	88.0	6.2	3.8	10.0	.8
13	15.0	23.0	18.8	78.3	0.0	20.1	20.1	1.7
14	15.5	21.8	17.4	84.7	2.0	0.0	2.0	1.4
15	15.0	24.8	18.2	73.0	2.2	0.0	2.2	4.2
16	15.1	25.0	19.0	67.7	.2	0.0	.2	5.7
17	16.0	24.0	19.3	82.3	0.0	0.0	0.0	1.1
18	16.1	23.7	19.0	79.7	1.5	0.0	1.5	1.4
19	15.4	23.1	18.0	78.3	3.7	3.7	7.4	1.2
20	15.3	22.7	18.2	81.3	15.9	6.9	22.8	1.0
21	16.0	22.4	18.5	81.7	3.5	5.9	9.4	1.4
22	15.2	19.8	16.6	89.0	3.0	0.0	3.0	.1
23	14.0	25.8	19.2	66.0	0.0	2.6	2.6	9.6
24	16.2	18.2	16.6	93.0	39.9	1.4	41.3	0.0
25	15.0	24.0	18.8	70.3	0.0	0.0	0.0	3.8
26	16.1	23.9	19.2	77.3	0.0	31.0	31.0	2.0
27	15.8	22.2	17.6	86.7	40.9	8.5	49.4	1.5
28	15.1	20.1	16.8	86.0	7.0	.4	7.4	1.8
29	15.0	22.9	17.8	76.7	0.0	1.8	1.8	3.4
30	16.0	25.0	19.5	73.3	0.0	4.3	4.3	4.5
31								
Total					141.9	131.5	273.4	68.9
Promedio	15.4	23.1	18.4	78.4				

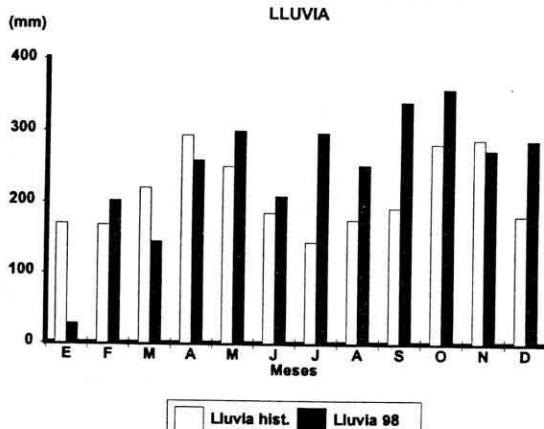
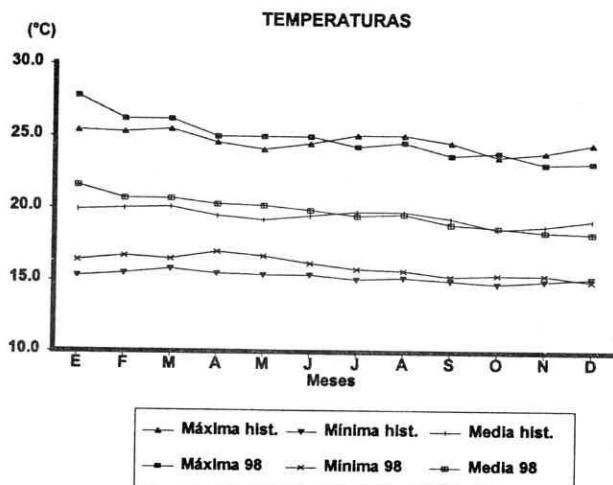
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.8	23.4	19.1	78.3	.9	2.0	2.9	1.8
2	16.0	20.0	17.2	90.3	4.7	3.7	8.4	0.0
3	15.0	22.8	18.2	76.3	0.0	0.0	0.0	2.5
4	14.6	24.8	18.6	68.3	2.1	0.0	2.1	3.1
5	14.4	23.9	19.0	77.7	.4	17.6	18.0	3.7
6	16.0	20.0	17.8	91.7	14.4	0.0	14.4	.2
7	15.0	23.0	18.0	76.0	4.7	0.0	4.7	4.1
8	14.0	23.1	18.8	68.7	0.0	0.0	0.0	4.4
9	16.0	24.0	18.1	80.0	22.9	.8	23.7	2.5
10	15.0	20.1	18.0	78.3	.7	5.4	6.1	.4
11	16.0	23.0	17.8	88.3	1.0	7.0	8.0	2.6
12	15.0	24.0	18.3	79.3	34.1	0.0	34.1	2.8
13	15.8	21.2	17.2	83.3	1.3	0.0	1.3	.7
14	14.9	23.0	19.2	78.0	.5	1.0	1.5	1.9
15	16.0	23.0	17.8	80.0	13.6	16.8	30.4	2.0
16	15.0	19.9	17.4	86.7	0.0	0.0	0.0	0.0
17	14.8	22.1	17.8	77.0	3.0	0.0	3.0	3.0
18	14.6	24.8	18.2	74.0	2.0	19.4	21.4	1.4
19	14.8	23.8	18.2	73.3	.1	0.0	.1	2.2
20	15.5	22.0	18.0	78.7	1.7	10.0	11.7	1.1
21	14.9	24.0	17.8	76.7	3.2	.1	3.3	1.5
22	14.5	25.0	18.6	70.0	0.0	0.0	0.0	7.4
23	13.2	25.8	19.4	67.0	0.0	0.0	0.0	8.0
24	15.1	24.1	18.6	70.3	1.8	1.4	3.2	3.5
25	14.8	23.6	18.2	80.0	24.0	.3	24.3	3.0
26	14.0	25.1	18.0	74.7	10.0	.1	10.1	6.9
27	13.8	24.9	19.1	73.3	0.0	21.7	21.7	6.6
28	15.1	21.8	18.0	83.3	17.5	0.0	17.5	2.4
29	14.9	23.1	18.6	74.0	.2	0.0	.2	2.8
30	15.8	24.5	19.0	69.7	0.0	2.0	2.0	2.1
31	15.0	25.8	20.0	80.0	.6	12.7	13.3	5.4
Total					165.4	122.0	287.4	90.0
Promedio	15.0	23.2	18.3	77.5				

Estación : EL JAZMIN  
Año : 1998

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.	Días Lluvia	Brillo Sol. (h)
Enero	16.4	27.8	21.6	30.0	15.0	66.5	28.1	9	193.3
Febrero	16.7	26.2	20.7	30.5	15.2	74.4	202.3	14	97.8
Marzo	16.5	26.2	20.7	29.4	14.3	80.2	145.1	17	107.1
Abril	17.0	25.0	20.3	27.0	15.0	81.0	259.3	27	57.1
Mayo	16.7	25.0	20.2	29.0	14.0	79.1	300.4	23	80.8
Junio	16.2	25.0	19.9	28.1	14.0	77.8	208.3	22	100.0
Julio	15.8	24.3	19.5	28.0	15.0	76.3	297.6	22	100.7
Agosto	15.7	24.6	19.6	27.0	14.0	73.6	252.4	21	107.6
Septiembre	15.3	23.7	18.9	27.8	13.9	76.7	341.2	25	89.0
Octubre	15.4	23.9	18.7	26.4	13.9	75.7	359.0	28	89.6
Noviembre	15.4	23.1	18.4	25.8	14.0	78.4	273.4	26	68.9
Diciembre	15.0	23.2	18.3	25.8	13.2	77.5	287.4	26	90.0
Promedio :	16.0	24.8	19.7			76.4			
Absoluta :				30.5	13.2				
Total :							2954.5	260	1181.9



Estación : EL PILAMO  
Año : 1998

Dpto. : RISARALDA  
Mpio. : PEREIRA

Latitud : 4 ° 53'N  
Longitud : 75 ° 48'W  
Altitud : 1070 m

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.1	32.3	24.7	70.3	0.0	0.0	0.0	6.8
2	16.2	34.0	24.8	67.7	0.0	0.0	0.0	9.7
3	17.8	33.9	24.6	71.0	0.0	0.0	0.0	9.9
4	17.4	35.3	26.2	65.7	0.0	0.0	0.0	10.1
5	18.2	32.4	25.0	71.3	0.0	.3	.3	5.9
6	19.8	30.0	24.3	74.0	0.0	2.2	2.2	3.9
7	20.0	29.1	22.6	82.0	0.0	0.0	0.0	1.1
8	17.0	33.0	23.7	69.3	0.0	0.0	0.0	9.3
9	17.7	32.6	24.5	67.7	0.0	0.0	0.0	7.5
10	16.2	34.0	24.4	67.7	0.0	0.0	0.0	8.8
11	17.3	34.6	26.2	64.0	0.0	0.0	0.0	9.7
12	19.0	29.3	24.8	73.0	0.0	0.0	0.0	0.0
13	18.8	33.0	23.9	70.0	0.0	0.0	0.0	7.1
14	18.9	30.2	23.4	74.0	0.0	0.0	0.0	2.8
15	18.7	32.0	24.4	69.7	0.0	0.0	0.0	8.9
16	18.8	31.9	25.0	67.7	0.0	0.0	0.0	8.2
17	18.0	32.0	23.7	71.3	0.0	0.0	0.0	7.1
18	16.5	33.5	23.7	69.0	0.0	0.0	0.0	8.0
19	18.0	32.8	25.3	66.3	0.0	0.0	0.0	6.4
20	19.0	30.4	24.4	69.3	0.0	0.0	0.0	2.8
21	17.0	33.8	24.7	67.7	0.0	0.0	0.0	7.9
22	18.2	34.0	25.2	69.7	0.0	.8	.8	9.3
23	19.8	34.2	25.6	66.7	0.0	0.0	0.0	7.4
24	20.0	33.4	25.2	68.7	0.0	0.0	0.0	8.5
25	18.0	34.0	25.6	62.0	0.0	0.0	0.0	7.9
26	17.5	34.2	25.5	60.7	0.0	0.0	0.0	8.3
27	17.4	32.8	24.9	67.3	0.0	0.0	0.0	7.1
28	19.4	31.9	25.8	60.7	0.0	0.0	0.0	5.6
29	16.2	34.6	26.0	59.3	0.0	0.0	0.0	8.8
30	18.8	33.0	25.0	66.3	.2	.5	.7	5.2
31	18.0	34.8	25.2	68.7	0.0	0.0	0.0	9.6
Total :	18.2	32.8	24.8	68.3	.2	3.8	4.0	219.6
Promedio :								
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.4	35.6	25.7	61.3	0.0	0.0	0.0	9.9
2	19.2	34.6	26.2	66.7	0.0	0.0	0.0	6.9
3	20.2	31.4	23.0	76.3	20.6	.2	20.8	2.0
4	18.2	32.6	25.4	69.7	0.0	0.0	0.0	8.6
5	20.4	27.8	24.5	73.7	0.0	0.0	0.0	.1
6	19.4	30.4	25.2	71.7	0.0	7.0	7.0	2.3
7	20.2	30.6	23.8	77.7	0.0	33.2	33.2	3.6
8	20.0	25.6	21.4	88.3	6.2	1.4	7.6	.6
9	19.0	27.0	22.5	78.7	.2	0.0	.2	.2
10	19.2	26.2	22.6	80.0	10.3	0.0	10.3	.2
11	19.6	27.4	23.2	74.7	0.0	0.0	0.0	.1
12	18.4	30.0	23.6	75.0	0.0	0.0	0.0	2.7
13	17.6	32.4	24.0	71.0	0.0	29.9	29.9	5.5
14	18.4	28.2	23.0	75.7	2.2	0.0	2.2	4.0
15	19.2	32.2	25.4	69.7	0.0	0.0	0.0	8.9
16	17.8	34.0	26.7	60.0	0.0	0.0	0.0	10.2
17	16.0	33.8	25.0	64.0	0.0	0.0	0.0	9.3
18	18.4	32.0	24.7	69.3	0.0	0.0	0.0	7.2
19	20.0	31.2	26.3	63.7	0.0	0.0	0.0	4.3
20	19.8	31.4	24.8	70.3	0.0	0.0	0.0	7.1
21	19.4	32.0	24.6	70.0	0.0	0.0	0.0	5.2
22	19.4	32.6	25.2	69.0	0.0	0.0	0.0	6.9
23	20.2	30.4	25.0	73.7	0.0	0.0	0.0	2.5
24	19.2	31.6	24.7	71.3	0.0	0.0	0.0	5.2
25	17.8	33.8	25.4	68.7	0.0	0.0	0.0	7.3
26	17.4	32.0	24.4	74.0	0.0	0.0	0.0	7.3
27	19.0	33.2	25.8	63.7	0.0	0.0	0.0	7.8
28	19.0	32.6	25.3	65.0	0.0	0.0	0.0	6.4
29								
30								
31								
Total :					39.5	71.7	111.2	142.3
Promedio :	19.0	31.2	24.5	71.2				

Estación : EL PILAMO  
Año : 1998

Dpto. : RISARALDA  
Mpio. : MARSELLA

Latitud : 4 ° 53'N  
Longitud : 75 ° 48'W  
Altitud : 1070 m

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.4	33.0	24.2	71.7	0.0	0.0	0.0	8.2
2	19.6	27.0	22.3	81.7	.6	0.0	.6	.7
3	17.0	33.8	25.4	64.7	0.0	0.0	0.0	8.3
4	18.6	33.2	25.2	68.7	.6	0.0	.6	6.1
5	18.0	30.4	25.0	69.7	0.0	0.0	0.0	2.4
6	17.8	31.2	23.9	71.7	0.0	9.4	9.4	2.7
7	19.0	28.2	23.4	78.3	0.0	2.2	2.2	1.1
8	19.4	30.4	24.0	74.7	0.0	0.0	0.0	3.4
9	18.2	31.2	22.8	74.7	.7	0.0	.7	3.1
10	18.0	32.0	25.0	66.7	0.0	26.7	26.7	7.5
11	19.0	32.2	23.4	72.7	0.0	0.0	0.0	5.9
12	17.8	31.4	24.8	68.7	0.0	0.0	0.0	9.1
13	17.2	33.4	24.0	68.3	0.0	0.0	0.0	8.4
14	18.6	32.0	24.9	70.3	0.0	0.0	0.0	4.7
15	19.0	31.0	24.8	73.3	0.0	0.0	0.0	5.2
16	19.8	32.0	24.7	70.7	0.0	0.0	0.0	5.4
17	19.6	31.4	25.2	69.7	0.0	0.0	0.0	3.5
18	19.0	32.8	26.0	64.7	0.0	0.0	0.0	7.9
19	19.1	32.8	25.5	63.7	0.0	0.0	0.0	4.4
20	19.6	30.4	23.0	75.0	15.3	0.0	15.3	0.0
21	18.8	31.2	24.5	74.0	0.0	0.0	0.0	6.8
22	18.0	32.0	22.9	75.0	.3	3.9	4.2	5.8
23	18.4	27.0	20.6	85.0	10.9	.3	11.2	.9
24	17.2	29.6	23.3	78.3	0.0	0.0	0.0	6.9
25	17.8	32.2	23.0	77.3	8.1	.6	8.7	8.7
26	17.4	30.4	22.2	79.3	0.0	29.7	29.7	6.9
27	18.8	28.0	22.2	84.0	9.5	11.8	21.3	2.7
28	19.4	30.0	23.1	82.7	0.0	0.0	0.0	4.7
29	19.8	30.2	23.1	82.0	15.6	4.0	19.6	4.3
30	19.0	28.2	22.5	82.3	0.0	.3	.3	1.2
31	19.4	30.6	24.0	78.3	0.0	0.0	0.0	6.1
Total :					61.6	88.9	150.5	
Promedio :	18.6	30.9	23.8	74.1				153.0

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.4	30.4	24.6	75.0	0.0	24.7	24.7	3.4
2	20.2	29.4	23.2	82.7	6.9	8.1	15.0	3.1
3	19.8	27.4	23.5	83.0	0.0	4.5	4.5	.9
4	20.4	28.8	23.9	77.7	0.0	0.0	0.0	2.4
5	18.2	30.6	24.5	71.3	0.0	0.0	0.0	6.4
6	20.2	29.6	23.0	79.3	11.3	1.5	12.8	2.4
7	19.4	29.8	24.7	75.7	0.0	0.0	0.0	6.4
8	20.0	29.0	23.6	83.0	11.8	6.5	18.3	2.9
9	20.4	29.8	24.3	78.7	0.0	0.0	0.0	1.4
10	19.8	29.4	24.4	73.7	0.0	4.7	4.7	3.8
11	19.6	25.8	21.2	87.0	25.1	13.8	38.9	.5
12	18.8	29.2	24.2	75.3	0.0	51.3	51.3	5.9
13	18.8	29.0	21.9	84.0	13.7	7.8	21.5	2.7
14	20.0	29.0	23.9	80.3	0.0	0.0	0.0	3.3
15	19.4	31.4	23.9	77.7	0.0	0.0	0.0	6.4
16	19.8	31.0	25.0	77.3	0.0	0.0	0.0	6.5
17	19.6	29.4	24.4	77.7	0.0	.9	.9	4.3
18	19.2	28.2	24.3	76.0	0.0	4.7	4.7	3.6
19	20.2	28.2	22.6	85.0	1.0	28.4	29.4	.6
20	19.0	27.6	23.4	81.7	.5	.2	.7	3.1
21	19.4	29.4	23.4	85.3	.7	.3	1.0	3.0
22	19.8	30.0	24.5	82.0	0.0	0.0	0.0	5.7
23	20.4	28.2	24.0	82.0	0.0	0.0	0.0	0.0
24	20.6	30.4	24.3	79.3	0.0	29.0	29.0	4.4
25	19.4	29.4	24.2	78.7	0.0	3.8	3.8	5.8
26	19.6	25.6	21.9	89.7	.9	18.6	19.5	.2
27	19.0	30.6	23.2	79.7	10.4	.9	11.3	7.3
28	20.2	27.2	22.9	82.7	0.0	0.0	0.0	.9
29	18.4	31.0	24.2	78.7	0.0	.3	.3	7.1
30	20.8	28.0	23.1	81.3	1.2	.9	2.1	1.6
31								
Total :					83.5	210.9	294.4	
Promedio :	19.7	29.1	23.7	80.1				106.0

Estación : EL PILAMO  
Año : 1998

Dpto. : RISARALDA  
Mpio. : MARSELLA

Latitud : 4 ° 53' N  
Longitud : 75 ° 48' W  
Altitud : 1070 m

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.2	27.2	21.9	86.3	3.9	4.2	8.1	.7
2	18.6	29.2	22.4	83.0	.7	44.2	44.9	2.0
3	18.2	24.8	20.6	90.7	26.5	12.7	39.2	.6
4	18.0	27.0	20.9	81.7	11.9	1.5	13.4	.5
5	17.8	27.8	22.5	78.3	.8	0.0	.8	5.5
6	18.2	27.8	22.6	83.3	0.0	0.0	0.0	3.0
7	19.2	30.2	23.3	75.3	.5	1.6	2.1	2.4
8	19.6	29.0	23.2	83.3	0.0	0.0	0.0	3.6
9	18.6	27.6	23.6	82.0	0.0	0.0	0.0	1.6
10	18.4	29.4	23.8	82.0	0.0	0.0	0.0	4.8
11	19.6	30.0	23.4	78.3	0.0	1.6	1.6	5.4
12	19.6	25.2	21.4	94.0	8.7	0.0	8.7	.3
13	16.6	29.8	23.6	81.3	0.0	0.0	0.0	7.6
14	18.4	29.4	24.5	82.3	0.0	4.7	4.7	5.6
15	20.2	25.6	22.8	89.0	0.0	0.0	0.0	0.0
16	19.0	30.6	25.1	78.3	0.0	0.0	0.0	8.6
17	20.2	30.4	25.3	75.7	0.0	0.0	0.0	2.2
18	18.8	30.0	24.8	79.3	0.0	0.0	0.0	4.1
19	20.2	30.6	24.7	81.0	0.0	0.0	0.0	4.2
20	18.4	32.4	24.8	79.0	0.0	0.0	0.0	7.5
21	19.4	31.0	24.4	80.0	0.0	0.0	0.0	4.6
22	18.0	31.6	25.0	73.0	0.0	0.0	0.0	6.6
23	20.4	27.2	22.6	90.0	.2	0.0	.2	0.0
24	19.0	28.0	22.8	92.7	2.1	0.0	2.1	3.2
25	20.4	27.2	23.7	85.3	.2	15.7	15.9	1.0
26	19.4	27.4	21.7	87.7	3.1	5.2	8.3	1.1
27	19.2	26.6	21.6	85.7	.9	10.5	11.4	.8
28	18.8	27.8	21.2	86.7	3.9	19.5	23.4	1.9
29	18.6	25.6	21.8	85.3	.3	0.0	.3	1.1
30	17.8	28.0	22.2	82.3	.2	0.0	.2	3.5
31	19.4	29.4	22.7	81.0	.3	2.6	2.9	3.1
Total :					64.2	124.0	188.2	
Promedio :	18.9	28.5	23.1	83.0				103.7

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	27.6	21.4	91.7	2.5	5.4	7.9	1.6
2	16.8	26.4	21.7	86.0	0.0	3.3	3.3	2.7
3	19.2	27.4	23.2	81.7	.1	0.0	.1	3.1
4	16.8	27.6	22.2	81.3	.4	.1	.5	3.4
5	18.6	29.0	22.2	82.7	2.9	0.0	2.9	4.1
6	18.2	29.4	23.4	77.3	0.0	1.2	1.2	5.0
7	18.8	27.2	23.0	85.7	.1	0.0	.1	1.2
8	17.8	28.4	22.0	82.3	5.8	.4	6.2	3.1
9	19.2	28.6	23.0	82.0	0.0	0.0	0.0	4.0
10	19.2	29.6	24.0	75.7	0.0	0.0	0.0	6.4
11	17.8	29.8	23.6	80.3	0.0	0.0	0.0	6.9
12	17.2	29.2	23.6	80.7	0.0	0.0	0.0	2.9
13	17.8	31.6	25.2	72.0	0.0	12.3	12.3	7.6
14	17.4	29.6	23.7	78.7	0.0	0.0	0.0	5.4
15	18.8	25.4	20.4	87.7	7.5	.9	8.4	0.0
16	18.4	26.8	22.4	82.7	.6	7.5	8.1	2.0
17	17.8	29.6	23.0	78.0	0.0	0.0	0.0	5.0
18	17.2	29.0	24.1	72.3	0.0	0.0	0.0	2.5
19	17.8	29.8	23.8	75.0	0.0	25.6	25.6	3.5
20	17.2	28.5	23.4	80.0	0.0	.2	.2	3.3
21	19.0	25.4	22.0	87.0	.4	.4	.8	2.2
22	19.2	26.2	22.5	84.0	0.0	11.8	11.8	1.2
23	18.8	28.2	23.3	81.0	.5	.1	.6	3.6
24	18.4	29.9	23.2	77.7	0.0	12.4	12.4	8.2
25	18.4	27.4	22.9	83.0	0.0	0.0	0.0	3.4
26	18.2	30.8	23.4	79.0	.3	.4	.7	6.3
27	18.8	27.2	22.0	87.3	0.0	7.4	7.4	.5
28	18.0	27.2	22.2	83.3	0.0	0.0	0.0	4.3
29	17.2	27.4	22.4	84.0	0.0	0.0	0.0	.9
30	16.2	31.0	23.7	69.3	0.0	0.0	0.0	9.3
Total :					21.1	89.4	110.5	113.6
Promedio :	18.1	28.4	22.9	81.0				

Estación : EL PILAMO  
Año : 1998

Dpto. : RISARALDA  
Mpio. : MARSELLA

Latitud : 4 ° 53' N  
Longitud : 75 ° 48' W  
Altitud : 1070 m

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.8	30.6	23.8	71.3	0.0	0.0	0.0	9.0
2	17.2	30.2	24.1	70.0	0.0	22.8	22.8	4.7
3	18.8	27.8	21.9	88.3	0.0	51.1	51.1	2.6
4	17.0	26.2	21.6	85.0	1.1	9.8	10.9	2.8
5	18.4	26.4	20.7	88.3	3.8	13.5	17.3	2.3
6	18.2	27.0	22.5	83.7	0.0	33.7	33.7	4.6
7	18.0	25.0	21.4	87.3	0.0	0.0	0.0	.8
8	17.8	28.0	22.6	77.3	0.0	53.1	53.1	3.0
9	18.2	26.0	21.0	88.3	2.2	1.0	3.2	3.2
10	18.8	28.2	22.7	83.3	0.0	0.0	0.0	2.7
11	18.4	27.4	22.9	78.0	0.0	0.0	0.0	3.4
12	18.2	29.4	23.3	75.3	0.0	0.0	0.0	6.9
13	17.8	28.8	22.8	79.7	0.0	0.0	0.0	4.8
14	17.4	26.2	22.6	76.7	0.0	0.0	0.0	2.6
15	17.6	27.4	22.3	80.7	0.0	4.4	4.4	5.1
16	18.6	27.4	22.4	83.3	1.0	3.6	4.6	3.8
17	17.6	26.8	21.8	81.7	6.5	13.7	20.2	2.8
18	18.6	28.0	22.0	84.7	.7	38.4	39.1	5.4
19	17.8	28.1	22.9	79.0	0.0	0.0	0.0	6.6
20	17.0	29.4	22.8	80.0	0.0	0.0	0.0	6.2
21	17.4	29.2	22.8	80.0	0.0	0.0	0.0	5.5
22	18.2	26.2	21.4	88.3	1.9	1.5	3.4	2.5
23	18.0	27.0	22.1	81.3	0.0	0.0	0.0	4.8
24	17.6	27.2	21.6	84.7	.4	.1	.5	3.5
25	17.6	26.6	22.2	83.0	0.0	0.0	0.0	2.5
26	17.8	29.6	22.8	79.7	.2	0.0	.2	7.3
27	16.8	29.2	23.2	78.3	3.9	10.7	14.6	6.0
28	18.4	28.6	22.8	82.7	0.0	17.4	17.4	5.2
29	17.4	28.6	22.3	84.3	0.0	1.3	1.3	4.8
30	18.6	26.8	21.7	82.7	.3	0.0	.3	3.1
31	17.1	27.6	22.2	80.7	.1	0.0	.1	3.2
Total :					22.1	276.1	298.2	
Promedio :	17.8	27.8	22.4	81.5				131.7

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	30.0	23.2	80.3	0.0	0.0	0.0	7.3
2	18.2	29.8	23.0	80.7	0.0	.9	.9	6.9
3	18.0	29.4	23.5	79.7	0.0	0.0	0.0	4.7
4	18.6	28.2	22.8	80.0	0.0	11.4	11.4	3.3
5	19.0	27.8	21.7	86.3	.6	3.1	3.7	3.9
6	18.6	25.8	21.6	82.3	.3	.4	.7	.7
7	18.2	27.8	22.4	81.3	0.0	15.7	15.7	2.8
8	18.2	26.8	21.5	84.0	.3	0.0	.3	2.0
9	16.0	30.4	22.0	76.7	0.0	0.0	0.0	8.5
10	16.2	29.0	22.2	80.0	0.0	25.3	25.3	5.3
11	17.2	28.8	22.8	82.0	0.0	0.0	0.0	6.4
12	17.0	27.2	23.1	79.3	0.0	18.8	18.8	4.6
13	17.6	28.2	22.4	79.0	0.0	4.2	4.2	4.6
14	19.0	28.4	22.9	76.7	0.0	7.4	7.4	5.3
15	18.2	24.2	20.9	85.7	.1	.3	.4	.4
16	17.8	28.2	21.0	83.0	0.0	0.0	0.0	3.7
17	15.4	28.0	21.8	80.3	.3	0.0	.3	4.3
18	16.4	28.0	23.3	76.0	0.0	0.0	0.0	6.7
19	17.5	28.2	21.4	83.0	0.0	22.5	22.5	4.0
20	18.2	29.4	21.9	81.3	4.3	16.3	20.6	7.2
21	18.0	29.8	21.8	82.3	10.9	0.0	10.9	4.6
22	17.0	29.2	23.6	77.3	0.0	0.0	0.0	4.4
23	17.1	29.8	23.6	80.0	.3	0.0	.3	8.1
24	18.8	30.4	23.8	77.7	0.0	5.2	5.2	7.6
25	17.8	25.0	21.4	88.3	.8	2.7	3.5	1.4
26	18.2	26.6	21.4	84.0	16.5	10.7	27.2	4.1
27	16.4	28.0	21.8	84.0	0.0	0.0	0.0	3.9
28	17.4	29.0	22.4	80.3	0.0	0.0	0.0	6.8
29	17.0	30.1	23.6	76.3	0.0	9.9	9.9	7.1
30	19.4	29.0	22.0	86.7	.7	.4	1.1	3.5
31	17.6	29.9	22.8	77.7	0.0	5.7	5.7	5.2
Total :					35.1	160.9	196.0	
Promedio :	17.6	28.4	22.4	81.0				149.3

Estación : EL PILAMO  
Año : 1998

Dpto. : RISARALDA  
Mpio. : MARSELLA

Latitud : 4 ° 53'N  
Longitud : 75 ° 48'W  
Altitud : 1070 m

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.6	27.8	22.6	79.0	0.0	5.6	5.6	3.7
2	17.4	28.0	22.0	81.7	0.0	30.4	30.4	2.5
3	17.8	23.4	19.7	91.3	3.0	0.0	3.0	.6
4	17.0	27.2	21.4	81.7	1.1	0.0	1.1	3.2
5	17.0	28.8	22.5	77.3	0.0	0.0	0.0	4.3
6	17.8	30.9	23.4	77.7	0.0	0.0	0.0	6.5
7	18.8	28.0	22.4	79.7	0.0	0.0	0.0	1.1
8	18.4	26.0	20.6	92.0	1.7	4.2	5.9	.6
9	18.0	27.9	22.3	78.0	0.0	13.9	13.9	3.8
10	17.6	26.0	20.8	84.0	1.2	.3	1.5	.6
11	17.0	29.0	21.6	78.3	.5	2.6	3.1	3.2
12	18.4	27.4	21.1	85.0	12.5	9.5	22.0	2.1
13	17.6	30.1	22.8	79.3	0.0	.5	.5	5.5
14	18.6	28.2	22.4	77.0	2.1	25.4	27.5	3.5
15	17.0	27.0	21.3	82.3	1.5	0.0	1.5	2.8
16	18.0	29.0	20.5	72.3	0.0	0.0	0.0	5.8
17	18.0	28.2	21.8	81.3	.6	0.0	.6	3.0
18	15.9	30.2	22.5	78.3	0.0	0.0	0.0	6.7
19	18.4	28.7	22.4	73.7	0.0	0.0	0.0	4.7
20	18.2	27.0	22.1	84.0	3.5	0.0	3.5	3.4
21	18.0	29.4	21.8	81.0	13.3	4.9	18.2	3.3
22	17.9	28.2	21.7	82.0	.4	15.2	15.6	3.6
23	17.6	27.2	21.4	81.3	6.8	0.0	6.8	3.3
24	18.4	29.0	22.6	78.7	.2	0.0	.2	4.8
25	18.2	30.1	23.2	78.0	0.0	14.0	14.0	5.5
26	17.8	29.8	22.2	80.0	.8	22.9	23.7	4.7
27	18.4	28.8	22.3	85.0	0.0	0.0	0.0	4.0
28	17.8	30.4	22.8	77.3	0.0	.5	.5	5.5
29	16.8	31.0	23.3	76.3	0.0	0.0	0.0	8.6
30	18.4	31.8	24.4	71.7	0.0	0.0	0.0	8.1
31								
Total :					49.2	149.9	199.1	119.0
Promedio :	17.7	28.5	22.1	80.2				

Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.2	31.2	24.0	74.7	0.0	3.9	3.9	6.8
2	19.0	29.0	23.5	77.0	0.0	0.0	0.0	1.0
3	18.2	28.8	22.7	79.3	0.0	.8	.8	3.0
4	17.8	31.7	23.0	76.7	0.0	0.0	0.0	7.5
5	18.6	30.0	23.3	80.0	.3	11.9	12.2	6.0
6	18.0	28.4	22.6	79.3	.1	.5	.6	4.7
7	18.7	26.2	22.0	82.0	1.4	0.0	1.4	2.9
8	17.0	28.0	22.3	83.0	0.0	0.0	0.0	3.6
9	18.2	30.4	23.5	77.7	0.0	0.0	0.0	3.8
10	18.8	32.2	25.5	69.7	0.0	0.0	0.0	7.2
11	19.7	31.8	24.8	75.7	0.0	0.0	0.0	5.9
12	18.9	28.1	22.1	77.7	0.0	0.0	0.0	3.5
13	17.2	27.0	20.8	84.7	.4	0.0	.4	1.2
14	15.8	31.2	21.7	77.3	15.4	0.0	15.4	9.6
15	16.8	31.1	22.9	76.7	0.0	56.5	56.5	7.9
16	16.5	28.9	22.0	74.7	0.0	0.0	0.0	4.8
17	16.0	30.1	22.1	75.7	0.0	2.9	2.9	5.6
18	17.0	30.0	23.3	73.7	0.0	11.5	11.5	6.6
19	19.0	27.8	22.5	82.3	.6	25.7	26.3	2.2
20	18.4	28.8	21.9	82.0	.5	0.0	.5	2.8
21	17.8	27.8	20.5	85.7	3.4	0.0	3.4	1.8
22	16.0	28.6	20.6	83.0	1.9	0.0	1.9	4.8
23	16.1	27.0	20.1	84.0	20.3	18.2	38.5	2.9
24	17.0	27.8	20.7	82.7	.4	14.4	14.8	3.6
25	17.2	27.4	21.4	83.0	.5	50.2	50.7	3.7
26	17.0	28.8	22.8	75.7	0.0	0.0	0.0	6.5
27	18.8	28.4	22.8	74.7	0.0	6.6	6.6	4.6
28	18.2	30.8	22.7	77.7	0.0	1.8	1.8	6.6
29	18.2	29.2	23.2	76.7	0.0	36.5	36.5	3.8
30	18.4	27.0	21.9	80.3	2.7	0.0	2.7	.7
31	18.8	29.0	22.8	83.0	1.2	21.7	22.9	2.4
Total :					49.1	263.1	312.2	138.0
Promedio :	17.8	29.1	22.4	78.9				

Estación : EL PILAMO  
Año : 1998

Dpto. : RISARALDA  
Mpio. : MARSELLA

Latitud : 4 ° 53'N  
Longitud : 75 ° 48'W  
Altitud : 1070 m

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.4	30.0	23.5	77.0	0.0	.4	.4	5.5
2	18.0	30.1	23.2	75.3	0.0	.1	.1	5.9
3	19.0	30.0	22.2	75.3	0.0	0.0	0.0	5.2
4	18.4	27.2	21.4	82.0	.4	1.2	1.6	1.5
5	18.0	27.8	22.2	81.0	0.0	4.5	4.5	2.4
6	18.8	29.5	22.0	80.7	.1	.9	1.0	3.1
7	18.0	26.0	20.8	84.7	0.0	0.0	0.0	1.5
8	18.4	28.1	21.5	78.7	26.0	0.0	26.0	2.8
9	17.8	30.1	23.2	71.7	0.0	35.2	35.2	6.6
10	17.4	29.0	22.6	75.7	.1	.9	1.0	6.6
11	18.8	28.4	22.6	78.0	0.0	27.0	27.0	3.5
12	18.4	28.0	22.0	81.3	1.8	0.0	1.8	2.3
13	19.0	30.1	22.2	80.7	11.0	5.0	16.0	5.5
14	18.8	29.4	21.6	82.3	23.1	0.0	23.1	6.2
15	17.9	29.9	21.4	79.3	2.2	0.0	2.2	6.0
16	18.9	29.8	22.2	82.3	3.0	0.0	3.0	6.3
17	19.2	26.2	22.6	82.3	0.0	25.0	25.0	1.1
18	18.2	28.9	22.8	80.7	0.0	0.0	0.0	5.1
19	18.4	29.0	21.2	82.7	24.5	6.0	30.5	3.1
20	17.8	28.0	22.4	82.0	.1	35.1	35.2	3.9
21	17.8	26.9	21.1	83.3	3.5	27.3	30.8	2.0
22	18.2	22.6	20.0	87.0	9.8	0.0	9.8	0.0
23	16.9	30.0	22.0	74.3	0.0	7.4	7.4	9.9
24	18.8	24.2	20.6	88.3	8.5	.3	8.8	.6
25	18.0	27.1	21.2	84.3	0.0	0.0	0.0	3.7
26	18.8	28.4	22.6	79.7	0.0	6.4	6.4	4.3
27	18.2	27.0	21.9	81.0	2.7	2.8	5.5	3.3
28	18.0	24.8	20.4	85.7	4.3	5.7	10.0	.3
29	17.6	28.8	21.4	79.0	.1	5.4	5.5	5.2
30	18.8	28.4	22.6	78.7	0.0	0.0	0.0	6.6
31								
Total :					121.2	196.6	317.8	120.0
Promedio :	18.3	28.1	21.9	80.5				

Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	27.9	21.9	81.7	11.3	19.2	30.5	4.7
2	18.2	23.8	19.8	93.7	3.4	9.0	12.4	.1
3	17.6	27.8	21.6	82.3	1.8	0.0	1.8	7.3
4	17.4	28.4	22.4	81.3	0.0	0.0	0.0	3.7
5	17.6	27.8	21.8	82.7	0.0	20.7	20.7	3.3
6	18.4	24.8	20.3	91.3	8.2	14.9	23.1	2.1
7	17.8	26.1	20.4	87.7	5.6	0.0	5.6	2.1
8	16.4	29.1	22.3	78.3	0.0	0.0	0.0	8.6
9	17.6	29.2	22.2	80.7	0.0	0.0	0.0	6.9
10	18.4	27.9	22.3	80.0	.7	43.8	44.5	3.6
11	18.0	27.0	22.0	85.0	0.0	5.9	5.9	3.5
12	18.2	26.8	21.5	85.3	0.0	31.4	31.4	2.3
13	18.6	26.0	21.3	89.0	.8	.1	.9	1.6
14	18.2	30.0	22.9	81.7	0.0	0.0	0.0	5.6
15	19.0	28.2	22.2	89.0	.4	25.7	26.1	2.7
16	18.0	23.6	20.9	91.7	0.0	0.0	0.0	0.0
17	17.0	28.0	21.2	87.0	0.0	0.0	0.0	4.1
18	17.2	29.2	22.8	81.0	.1	25.2	25.3	4.3
19	18.4	28.2	22.6	84.0	0.0	0.0	0.0	3.1
20	18.2	28.8	22.0	84.7	16.4	7.1	23.5	5.3
21	17.2	28.2	22.4	84.0	0.0	0.0	0.0	5.3
22	17.8	29.1	22.6	81.3	0.0	0.0	0.0	8.6
23	16.4	29.0	21.9	80.0	0.0	0.0	0.0	9.5
24	17.4	29.4	22.3	79.0	0.0	0.0	0.0	7.2
25	17.8	28.9	21.1	85.3	3.3	.3	3.6	5.4
26	17.4	29.8	21.5	82.7	1.0	.1	1.1	6.2
27	17.0	29.4	22.3	81.0	0.0	.7	.7	9.2
28	18.7	28.7	21.4	84.7	.1	0.0	.1	5.3
29	17.6	28.1	22.0	83.3	.5	1.2	1.7	3.5
30	18.8	29.0	21.7	84.3	2.6	0.0	2.6	4.9
31	18.0	30.8	23.6	77.3	0.0	.3	.3	8.2
Total :					56.2	205.6	261.8	148.2
Promedio :	17.8	28.0	21.8	83.9				

Estación : EL PILAMO  
Año : 1998

Dpto. : RISARALDA  
Mpio. : MARSELLA

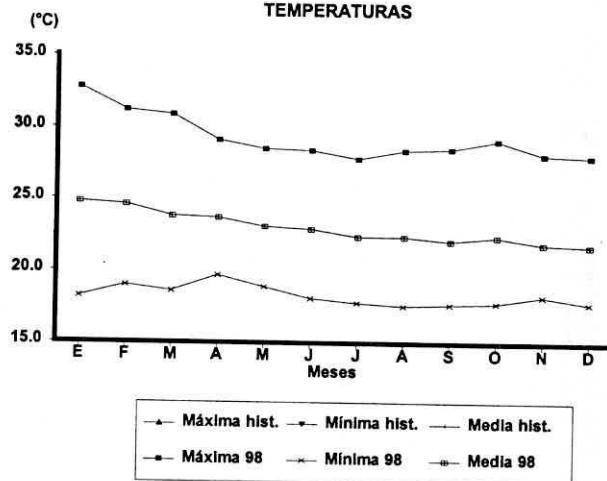
Latitud : 4 ° 53' N  
Longitud : 75 ° 48' W  
Altitud : 1070 m

#### TEMPERATURA °C

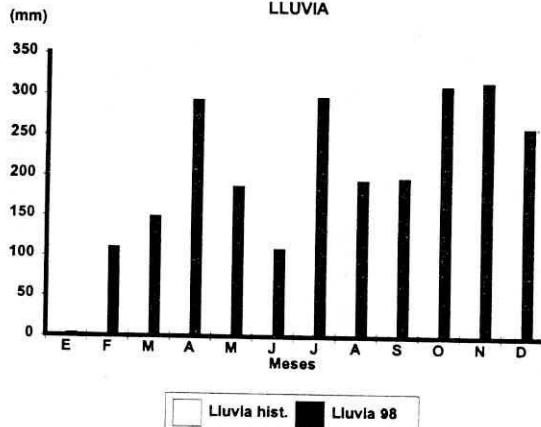
#### PRECIPITACION

MES	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	18.2	32.8	24.8	35.3	16.2	68.3	4.0	4	219.6
Febrero	19.0	31.2	24.6	35.6	16.0	71.2	111.2	8	142.3
Marzo	18.6	30.9	23.8	33.8	17.0	74.1	150.5	14	153.0
Abril	19.7	29.1	23.7	31.4	18.2	80.0	294.4	20	106.0
Mayo	18.9	28.5	23.1	32.4	16.6	83.0	188.2	18	103.7
Junio	18.1	28.4	22.9	31.6	16.2	81.0	110.5	19	113.6
Julio	17.8	27.8	22.4	30.6	15.8	81.5	298.2	19	131.7
Agosto	17.6	28.4	22.4	30.4	15.4	81.0	196.0	22	149.3
Septiembre	17.7	28.5	22.1	31.8	15.9	80.2	199.1	21	119.0
Octubre	17.8	29.1	22.4	32.2	15.8	78.9	312.2	22	138.0
Noviembre	18.3	28.1	21.9	30.1	16.9	80.5	317.8	25	120.0
Diciembre	17.8	28.0	21.8	30.8	16.4	83.9	261.8	20	148.2
Promedio :	18.3	29.2	23.0			78.6			
Absoluta :				35.6	15.4				
Total :							2443.9	212	1644.4

#### TEMPERATURAS



#### LLUVIA



Estación : LA CATALINA  
Año : 1998

Dpto. : RISARALDA  
Mpio. : PEREIRA

Latitud : 4 ° 45'N  
Longitud : 75 ° 44'W  
Altitud : 1310 m

Enero	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	30.0	22.7	71.0	0.0	0.0	0.0	5.4
2	16.8	31.5	24.0	66.7	0.0	0.0	0.0	10.3
3	16.7	31.5	24.2	65.7	0.0	0.0	0.0	9.7
4	17.8	32.3	24.5	65.0	0.0	0.0	0.0	9.9
5	18.7	31.8	23.6	65.7	0.0	0.0	0.0	7.5
6	18.8	28.0	22.6	75.0	0.0	0.0	0.0	2.5
7	18.5	26.5	21.4	82.3	.1	0.0	.1	1.1
8	17.0	31.2	23.0	69.0	0.0	0.0	0.0	9.1
9	16.9	29.8	23.2	67.7	0.0	0.0	0.0	6.9
10	16.8	31.5	24.0	67.0	0.0	0.0	0.0	9.5
11	17.0	32.2	24.2	68.0	0.0	0.0	0.0	10.3
12	17.5	28.6	23.4	75.3	0.0	0.0	0.0	.2
13	18.5	30.5	23.0	69.0	0.0	0.0	0.0	5.8
14	17.7	27.4	21.4	79.7	0.0	0.0	0.0	1.6
15	18.5	29.5	23.0	75.7	1.9	0.0	1.9	6.5
16	18.3	30.5	23.5	70.3	0.0	0.0	0.0	5.1
17	18.0	31.5	23.8	68.0	0.0	0.0	0.0	8.3
18	17.3	31.0	21.7	74.7	14.7	0.0	14.7	8.3
19	18.0	30.0	24.5	67.3	0.0	0.0	0.0	7.6
20	18.2	29.5	23.2	75.7	0.0	0.0	0.0	3.7
21	18.5	31.0	24.1	67.3	0.0	0.0	0.0	7.4
22	18.0	31.5	24.6	69.7	0.0	0.0	0.0	8.2
23	18.4	32.0	23.4	71.3	0.0	0.0	0.0	7.1
24	19.5	31.3	24.2	64.0	0.0	0.0	0.0	8.6
25	17.8	31.1	24.8	60.3	0.0	0.0	0.0	6.8
26	17.0	32.0	23.8	59.0	0.0	0.0	0.0	8.6
27	18.0	30.8	23.7	64.7	.2	0.0	.2	6.5
28	19.0	30.0	24.3	61.7	0.0	0.0	0.0	4.3
29	17.8	33.5	23.0	71.3	3.8	0.0	3.8	9.7
30	19.5	32.2	24.5	63.3	0.0	.1	.1	8.0
31	18.5	33.0	25.1	62.3	0.0	0.0	0.0	8.9
Total :					20.7	.1	20.8	
Promedio :	18.0	30.7	23.6	68.8				213.4
Febrero	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.8	34.0	26.4	58.0	0.0	0.0	0.0	9.0
2	19.5	31.0	23.2	72.0	9.0	.3	9.3	6.3
3	17.0	30.0	21.1	76.7	25.4	0.0	25.4	1.7
4	16.8	30.2	23.8	67.0	0.0	0.0	0.0	8.3
5	19.0	25.5	21.9	76.0	1.5	0.0	1.5	0.0
6	19.3	29.0	22.8	68.0	.1	.5	.6	1.2
7	19.0	29.0	22.5	76.3	.1	35.8	35.9	3.3
8	18.0	23.2	20.4	86.0	6.0	1.3	7.3	0.0
9	16.4	25.5	20.8	76.3	.2	.9	1.1	.4
10	18.0	24.8	20.6	81.0	0.0	1.4	1.4	0.0
11	19.3	25.2	21.0	81.3	.9	0.0	.9	.2
12	18.2	27.6	22.6	76.7	0.0	0.0	0.0	2.3
13	18.0	29.9	22.4	71.7	.8	6.0	6.8	6.3
14	17.4	26.8	21.3	74.7	1.9	.3	2.2	.6
15	18.0	30.0	24.2	67.0	0.0	0.0	0.0	8.7
16	18.2	32.5	25.7	52.3	0.0	0.0	0.0	9.8
17	17.5	32.4	25.3	53.3	0.0	0.0	0.0	8.7
18	18.6	30.5	24.0	65.3	0.0	0.0	0.0	7.1
19	19.2	29.6	23.6	67.3	0.0	0.0	0.0	3.2
20	19.0	30.2	24.1	65.0	0.0	0.0	0.0	5.8
21	19.1	30.0	23.9	67.0	0.0	0.0	0.0	5.9
22	19.4	30.5	23.0	69.7	.4	0.0	.4	6.1
23	20.0	28.5	23.2	73.0	0.0	0.0	0.0	2.8
24	19.4	29.5	24.2	69.0	0.0	0.0	0.0	3.5
25	18.4	30.5	24.7	68.0	0.0	0.0	0.0	6.4
26	18.5	30.0	22.4	75.3	2.3	0.0	2.3	6.0
27	18.6	31.0	23.5	65.7	0.0	0.0	0.0	6.7
28	19.0	30.5	23.8	60.7	0.0	0.0	0.0	4.9
29								
30								
31								
Total :					48.6	46.5	95.1	125.2
Promedio :	18.5	29.2	23.1	70.0				

Estación : LA CATALINA  
Año : 1998

Dpto. : RISARALDA  
Mpio. : PEREIRA

Latitud : 4 ° 45'N  
Longitud : 75 ° 44'W  
Altitud : 1310 m

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.5	30.5	22.0	71.3	33.2	.1	33.3	5.5
2	19.2	23.5	20.0	84.3	5.4	0.0	5.4	.1
3	17.3	31.0	24.4	58.7	0.0	0.0	0.0	9.7
4	18.6	30.5	22.5	68.0	10.4	0.0	10.4	6.1
5	18.2	28.5	22.2	75.7	3.9	0.0	3.9	3.2
6	18.5	28.0	22.6	71.7	0.0	0.0	0.0	.5
7	19.5	25.5	21.4	84.3	21.0	3.5	24.5	.8
8	18.6	27.4	22.6	71.3	.5	0.0	.5	2.6
9	18.2	27.5	21.7	71.7	.1	0.0	.1	2.7
10	17.5	29.0	24.2	62.7	0.0	4.5	4.5	6.8
11	18.8	30.0	23.0	63.7	0.0	0.0	0.0	6.9
12	18.5	31.0	24.0	58.3	0.0	0.0	0.0	9.5
13	18.4	32.0	22.6	63.0	0.0	0.0	0.0	8.5
14	18.0	30.3	23.8	60.0	0.0	0.0	0.0	3.6
15	18.6	29.0	23.0	66.7	0.0	0.0	0.0	4.4
16	18.8	30.0	22.8	67.7	4.1	0.0	4.1	4.8
17	18.2	29.5	23.9	66.7	0.0	0.0	0.0	4.1
18	19.5	31.5	23.4	69.7	.4	0.0	.4	7.6
19	19.0	31.0	24.3	64.3	0.0	0.0	0.0	4.2
20	19.5	28.0	21.7	78.3	4.3	0.0	4.3	0.0
21	18.2	29.2	23.4	68.0	0.0	0.0	0.0	5.0
22	17.0	29.7	21.0	75.3	30.4	4.1	34.5	5.8
23	16.8	24.0	19.0	88.0	26.5	.6	27.1	.2
24	15.8	27.5	22.6	74.7	3.0	0.0	3.0	5.5
25	17.0	30.5	23.5	68.7	0.0	8.6	8.6	7.8
26	18.1	28.5	21.6	80.3	.3	4.4	4.7	5.2
27	18.5	26.5	22.6	81.0	0.0	21.9	21.9	1.5
28	18.0	28.4	22.4	73.3	2.2	.1	2.3	4.3
29	18.3	29.8	21.3	82.0	8.4	51.2	59.6	3.0
30	18.1	26.5	20.8	80.3	2.2	6.4	8.6	1.3
31	18.0	29.0	21.8	79.7	.8	0.0	.8	5.8
Total :					157.1	105.4	262.5	137.0
Promedio :	18.2	28.8	22.5	71.9				
Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.3	27.5	22.5	81.3	0.0	.5	.5	2.6
2	20.0	27.0	22.0	81.0	0.0	7.0	7.0	3.6
3	19.4	25.5	22.8	84.7	.8	6.5	7.3	.4
4	19.5	26.7	22.0	77.3	.6	0.0	.6	2.4
5	18.0	28.0	23.3	73.0	0.0	0.0	0.0	5.7
6	18.8	28.0	21.0	82.7	6.9	1.9	8.8	1.8
7	18.5	27.9	23.2	77.0	.1	0.0	.1	3.9
8	19.6	28.5	22.4	85.0	1.5	12.3	13.8	2.2
9	19.5	28.0	22.8	78.0	0.0	0.0	0.0	1.3
10	19.0	28.3	23.0	78.0	.4	8.1	8.5	3.7
11	18.3	23.5	20.1	90.0	11.2	.2	11.4	.1
12	17.5	27.5	22.5	76.7	0.0	0.0	0.0	3.9
13	18.5	29.0	21.9	82.7	3.9	3.1	7.0	3.6
14	18.5	27.3	22.7	79.7	.1	0.0	.1	1.6
15	19.3	30.3	22.6	75.3	0.0	12.1	12.1	3.7
16	19.5	30.0	23.2	80.3	.4	0.0	.4	4.9
17	19.0	28.8	23.4	75.7	0.0	.1	.1	3.0
18	19.5	28.0	22.4	79.0	.2	0.0	.2	2.5
19	19.0	27.0	21.0	85.7	5.2	15.0	20.2	.7
20	18.2	26.4	22.6	80.3	3.9	3.3	7.2	2.2
21	19.6	28.7	22.7	80.7	5.0	1.4	6.4	2.4
22	18.6	29.0	23.4	78.0	0.0	0.0	0.0	5.7
23	20.0	26.6	22.0	83.3	2.1	13.5	15.6	0.0
24	19.5	28.2	23.1	80.0	.8	9.4	10.2	4.4
25	18.3	28.0	21.4	82.3	2.4	39.9	42.3	4.9
26	18.0	23.8	20.6	90.7	.1	0.0	.1	0.0
27	19.0	28.5	22.8	77.7	6.8	0.0	6.8	6.4
28	20.0	26.5	22.1	83.0	2.6	0.0	2.6	.5
29	18.8	29.2	24.2	73.0	0.0	11.2	11.2	6.0
30	19.8	26.0	21.7	83.3	6.2	0.0	6.2	1.6
Total :					61.2	145.5	206.7	85.7
Promedio :	19.0	27.6	22.4	80.5				

Estación : LA CATALINA  
Año : 1998

Dpto. : RISARALDA  
Mpio. : PEREIRA

Latitud : 4 ° 45'N  
Longitud : 75 ° 44'W  
Altitud : 1310 m

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.1	26.5	20.6	86.7	14.1	2.2	16.3	1.2
2	19.0	27.0	21.3	86.0	1.3	77.5	78.8	2.8
3	17.5	22.5	19.1	91.3	36.2	26.0	62.2	.2
4	17.0	25.5	19.6	83.0	10.7	.2	10.9	1.8
5	17.4	27.0	21.3	76.3	.4	0.0	.4	3.5
6	18.0	27.2	22.0	75.3	0.0	.2	.2	2.2
7	19.0	28.0	21.8	76.0	1.0	0.0	1.0	5.9
8	19.3	28.0	23.0	75.7	0.0	0.0	0.0	4.9
9	18.5	26.0	21.8	83.0	0.0	0.0	0.0	.6
10	18.8	27.5	22.8	73.0	.9	2.4	3.3	4.6
11	19.5	28.5	21.8	78.3	0.0	0.0	0.0	5.0
12	18.3	25.0	21.2	86.0	2.1	0.0	2.1	.1
13	16.8	28.4	23.4	74.0	0.0	0.0	0.0	7.7
14	18.8	28.5	23.4	76.3	.2	0.0	.2	5.4
15	19.2	24.5	21.5	87.7	0.0	0.0	0.0	0.0
16	18.4	29.5	23.4	77.7	3.8	0.0	3.8	8.0
17	20.0	28.8	23.4	81.0	0.0	.6	.6	1.8
18	18.2	29.4	23.7	74.3	.2	0.0	.2	6.2
19	19.2	30.0	24.4	73.0	0.0	0.0	0.0	7.9
20	17.8	30.3	23.4	76.7	1.0	0.0	1.0	6.5
21	19.6	29.8	22.6	81.0	15.1	0.0	15.1	5.4
22	18.4	29.0	23.2	82.0	2.1	0.0	2.1	6.2
23	19.4	26.6	21.7	85.3	0.0	0.0	0.0	.9
24	19.0	25.8	21.8	84.7	.2	0.0	.2	1.6
25	19.6	25.3	22.5	80.3	.4	39.3	39.7	0.0
26	18.4	24.6	20.0	88.7	2.8	10.1	12.9	.8
27	18.0	24.3	20.0	91.3	14.0	24.8	38.8	.8
28	17.6	23.8	19.5	87.0	20.4	21.0	41.4	.1
29	17.4	24.2	20.2	86.0	4.7	0.0	4.7	0.0
30	16.8	26.2	21.0	81.0	0.0	0.0	0.0	1.8
31	17.8	26.7	20.5	81.3	26.1	2.5	28.6	3.2
Total :					157.7	206.8	364.5	97.1
Promedio :	18.4	26.9	21.8	81.3				
Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.6	26.2	20.0	91.3	6.5	2.4	8.9	1.8
2	16.0	26.0	21.8	80.0	0.0	3.7	3.7	5.3
3	17.8	27.0	22.5	74.3	0.0	0.0	0.0	4.4
4	16.8	27.1	22.0	76.0	0.0	0.0	0.0	5.9
5	17.6	26.0	21.7	78.3	5.5	0.0	5.5	4.1
6	17.4	27.8	22.4	80.7	.3	0.0	.3	4.2
7	18.6	25.3	22.0	82.7	2.8	0.0	2.8	1.1
8	17.4	26.2	21.4	79.0	0.0	2.8	2.8	1.7
9	18.4	27.7	22.6	78.7	14.2	0.0	14.2	3.9
10	17.8	26.0	22.0	81.7	.1	0.0	.1	4.6
11	16.8	28.2	22.8	72.3	0.0	0.0	0.0	4.6
12	18.4	27.5	22.5	79.3	0.0	0.0	0.0	2.6
13	18.0	30.0	24.4	68.7	0.0	7.3	7.3	6.4
14	17.6	28.0	22.7	78.3	.2	.1	.3	3.5
15	18.6	24.5	20.3	87.3	30.6	.1	30.7	0.0
16	17.6	27.7	21.8	84.7	8.0	.2	8.2	3.3
17	16.6	27.3	22.5	75.7	0.0	0.0	0.0	4.9
18	18.4	27.0	22.2	76.3	0.0	0.0	0.0	1.1
19	17.4	26.3	22.2	78.0	.1	0.0	.1	3.8
20	18.0	25.5	22.0	77.0	.3	0.0	.3	1.8
21	18.4	25.0	20.7	86.0	5.1	2.0	7.1	2.2
22	18.2	26.2	21.8	81.0	.3	21.7	22.0	2.3
23	18.0	26.2	21.2	82.0	1.3	0.0	1.3	3.2
24	16.8	26.8	22.0	80.7	0.0	0.0	0.0	5.1
25	18.2	28.2	22.9	74.3	0.0	0.0	0.0	4.3
26	18.4	28.0	21.5	83.3	.5	0.0	.5	4.6
27	18.0	26.3	21.3	90.0	2.5	0.0	2.5	.8
28	16.8	25.5	19.9	87.0	12.9	0.0	12.9	3.6
29	17.4	26.0	21.6	81.3	0.0	0.0	0.0	.6
30	15.8	30.0	22.8	67.3	0.0	0.0	0.0	10.0
31								
Total :					91.2	40.3	131.5	105.7
Promedio :	17.6	26.9	21.9	79.8				

Estación : LA CATALINA  
Año : 1998

Dpto. : RISARALDA  
Mpio. : PEREIRA

Latitud : 4 ° 45' N  
Longitud : 75 ° 44' W  
Altitud : 1310 m

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín.	Máx.	Med.		Día	Noche	Total	
1	16.4	28.5	22.6	69.3	1.3	0.0	1.3	7.6
2	17.0	28.0	21.2	74.7	.4	0.0	.4	5.1
3	18.2	25.2	21.2	89.0	1.2	30.9	32.1	2.0
4	17.4	26.0	21.0	84.3	.2	15.5	15.7	3.0
5	16.4	25.2	19.4	88.7	12.7	.3	13.0	1.8
6	17.6	27.0	20.7	86.0	9.4	8.8	18.2	4.2
7	17.6	22.6	19.8	88.0	7.1	0.0	7.1	1.0
8	16.6	24.8	21.0	83.0	1.8	.6	2.4	2.7
9	17.8	25.6	20.8	84.7	.6	.1	.7	2.7
10	18.0	27.8	21.0	81.0	.7	0.0	.7	3.3
11	17.8	25.5	21.2	79.0	.7	0.0	.7	3.2
12	17.6	28.9	21.5	80.0	3.2	0.0	3.2	6.3
13	17.4	27.7	22.3	78.0	0.0	0.0	0.0	4.8
14	17.2	25.3	21.8	80.3	0.0	0.0	0.0	3.5
15	16.8	26.0	21.5	77.7	1.7	.5	2.2	3.8
16	17.9	25.0	21.2	81.3	.3	11.7	12.0	3.9
17	17.2	26.3	21.3	81.3	.7	3.3	4.0	3.2
18	17.8	27.2	21.7	79.3	.9	22.4	23.3	4.1
19	16.4	26.0	21.2	76.3	.4	0.0	.4	3.1
20	16.6	29.7	21.5	69.3	12.5	0.0	12.5	6.3
21	16.4	29.0	22.8	73.7	0.0	2.2	2.2	7.3
22	17.2	25.2	19.7	92.3	19.2	0.0	19.2	2.6
23	16.6	26.0	20.6	90.3	.6	0.0	.6	5.0
24	17.2	26.2	21.0	84.3	9.5	.5	10.0	3.7
25	16.6	25.4	20.1	79.7	1.9	0.0	1.9	3.0
26	16.4	29.0	21.2	73.3	10.2	0.0	10.2	6.2
27	16.0	28.2	22.8	71.3	.3	0.0	.3	5.1
28	17.8	28.0	21.2	80.7	.7	1.1	1.8	4.7
29	17.6	27.7	21.8	77.3	.2	3.3	3.5	4.6
30	17.8	26.2	21.3	75.7	.3	0.0	.3	1.4
31	17.0	27.2	20.4	81.3	6.6	0.0	6.6	3.9
Total :					105.3	101.2	206.5	123.1
Promedio :	17.2	26.7	21.2	80.4				
Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín.	Máx.	Med.		Día	Noche	Total	
1	17.0	29.0	22.8	71.3	0.0	0.0	0.0	6.6
2	17.8	28.8	23.2	71.3	0.0	0.0	0.0	8.6
3	17.4	27.4	22.8	77.0	0.0	0.0	0.0	4.6
4	18.0	26.2	21.5	81.3	0.0	.6	.6	2.5
5	18.6	26.0	21.2	83.7	1.7	1.8	3.5	2.5
6	17.4	23.2	19.8	83.3	.7	0.0	.7	.3
7	17.0	25.5	21.1	80.7	0.0	45.2	45.2	1.5
8	16.6	25.3	20.1	84.7	1.0	0.0	1.0	3.2
9	15.5	28.8	21.7	69.7	0.0	0.0	0.0	7.8
10	16.2	28.3	21.8	72.7	0.0	17.1	17.1	4.6
11	16.4	28.0	21.8	76.0	2.4	0.0	2.4	6.0
12	16.8	28.1	22.4	77.7	0.0	0.0	0.0	4.8
13	17.6	26.8	21.6	75.0	0.0	0.0	0.0	3.4
14	17.6	26.5	21.0	78.0	1.3	.9	2.2	4.1
15	17.4	24.2	19.6	92.0	11.1	0.0	11.1	.7
16	16.2	27.9	21.3	73.3	0.0	0.0	0.0	5.1
17	16.6	26.0	21.0	80.0	.2	0.0	.2	2.5
18	16.8	26.8	21.9	75.0	0.0	.6	.6	4.2
19	17.4	28.2	20.8	80.0	0.0	18.6	18.6	3.3
20	17.2	28.4	21.6	76.7	.7	1.5	2.2	7.7
21	17.4	27.2	22.0	77.0	0.0	0.0	0.0	4.6
22	17.0	26.5	22.0	75.0	1.1	0.0	1.1	4.9
23	16.8	28.3	22.0	73.3	2.0	0.0	2.0	7.0
24	17.2	29.3	23.4	71.0	0.0	3.8	3.8	5.5
25	16.6	24.5	19.8	88.3	1.5	4.1	5.6	1.1
26	17.6	25.3	20.8	81.3	1.9	3.7	5.6	2.0
27	17.0	26.2	20.7	79.7	0.0	0.0	0.0	2.2
28	16.8	29.0	23.4	65.7	0.0	0.0	0.0	8.4
29	17.2	29.0	22.8	70.3	0.0	0.0	0.0	5.6
30	18.0	28.0	22.0	74.0	.2	0.0	.2	3.1
31	17.0	28.2	21.3	76.0	1.8	0.0	1.8	3.4
Total :					27.6	97.9	125.5	131.8
Promedio :	17.1	27.1	21.6	77.1				

Estación : LA CATALINA  
Año : 1998

Dpto. : RISARALDA  
Mpio. : PEREIRA

Latitud : 4 ° 45' N  
Longitud : 75 ° 44' W  
Altitud : 1310 m

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	26.2	22.2	72.0	0.0	9.8	9.8	4.3
2	17.0	26.0	20.8	75.3	0.0	20.1	20.1	2.6
3	17.1	23.0	19.6	87.7	2.9	0.0	2.9	.2
4	16.0	25.3	20.0	77.7	.5	.2	.7	3.8
5	16.8	27.0	21.5	80.3	14.7	.9	15.6	4.1
6	17.4	28.0	22.5	71.7	0.0	0.0	0.0	6.1
7	17.1	27.0	21.0	76.0	0.0	3.3	3.3	1.9
8	18.4	23.5	20.0	84.3	.7	2.3	3.0	.1
9	17.0	25.5	21.4	73.3	0.0	0.0	0.0	2.2
10	17.1	24.3	19.8	78.7	3.4	0.0	3.4	1.1
11	17.0	26.0	20.7	83.0	1.9	9.0	10.9	1.3
12	17.2	23.5	19.0	86.3	46.9	13.9	60.8	1.4
13	16.0	26.2	20.4	72.3	0.0	.9	.9	2.6
14	17.2	27.0	20.6	76.0	.7	.9	1.6	5.3
15	16.0	26.2	20.0	74.3	.3	0.0	.3	2.9
16	17.2	26.2	20.8	80.0	1.2	0.0	1.2	4.3
17	17.8	26.7	20.2	78.3	37.2	0.0	37.2	3.0
18	15.6	29.0	21.4	76.0	0.0	.8	.8	6.4
19	17.8	26.2	21.6	79.0	0.0	0.0	0.0	3.3
20	18.0	25.2	21.0	86.0	2.3	.3	2.6	2.4
21	17.9	28.0	21.8	79.3	0.0	4.1	4.1	3.7
22	17.2	27.2	20.2	81.7	8.1	9.0	17.1	2.9
23	16.4	25.3	19.8	80.0	1.5	0.0	1.5	2.8
24	17.0	26.7	21.4	73.7	4.7	0.0	4.7	4.5
25	17.1	27.5	21.4	76.3	0.0	.3	.3	4.8
26	17.6	26.2	20.8	81.7	.4	1.1	1.5	3.1
27	16.8	26.0	20.7	80.0	1.1	.2	1.3	2.9
28	17.0	27.0	21.4	77.0	0.0	0.0	0.0	4.0
29	16.8	29.9	22.6	68.0	0.0	0.0	0.0	8.0
30	17.8	29.8	23.1	73.0	0.0	0.0	0.0	7.7
31	—	—	—	—	—	—	—	—
Total :	17.1	26.4	20.9	78.0	128.5	77.1	205.6	103.7
Promedio :	17.1	26.4	20.9	78.0	—	—	—	—

Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	28.4	22.4	75.3	.3	5.3	5.8	5.7
2	18.0	27.0	21.6	77.3	.2	0.0	.2	1.9
3	17.2	27.2	21.6	75.0	1.8	0.0	1.8	2.3
4	16.2	28.2	21.4	77.3	.2	0.0	.2	7.1
5	17.0	28.1	20.2	83.3	6.8	25.4	32.2	3.6
6	16.9	27.0	20.2	77.3	.2	.3	.5	3.0
7	17.2	25.2	19.7	84.3	20.6	0.0	20.6	2.7
8	16.2	26.2	21.5	79.3	.2	0.0	.2	3.5
9	17.6	27.4	21.6	77.0	0.0	0.0	0.0	.8
10	18.0	30.0	23.8	69.3	0.0	0.0	0.0	8.9
11	18.8	29.2	23.7	67.7	0.0	0.0	0.0	4.6
12	17.9	25.8	19.7	84.0	.2	0.0	.2	2.0
13	16.4	25.2	19.2	85.7	1.6	0.0	1.6	1.3
14	15.2	29.0	20.8	72.7	0.0	0.0	0.0	7.3
15	16.2	29.0	21.0	75.3	0.0	16.1	16.1	6.6
16	15.0	27.0	20.4	73.7	.2	0.0	.2	5.3
17	16.0	26.1	20.9	79.3	0.0	35.3	35.3	3.4
18	15.2	26.4	20.5	78.7	0.0	5.9	5.9	6.2
19	18.0	24.2	20.6	86.7	0.0	42.3	42.3	.7
20	16.5	24.8	20.0	79.7	.7	0.0	.7	2.1
21	16.9	26.2	19.2	83.7	8.8	0.0	8.8	1.0
22	15.2	26.2	18.8	82.3	7.1	0.0	7.1	4.3
23	15.3	25.0	19.2	81.7	11.9	10.7	22.6	2.7
24	16.0	24.0	19.0	84.7	6.1	16.4	22.5	1.2
25	16.1	24.5	19.8	79.3	.5	26.2	26.7	1.9
26	15.8	25.2	19.2	79.0	.1	0.0	.1	5.8
27	16.6	26.2	20.6	80.0	.8	0.0	.8	5.9
28	17.0	28.0	21.3	72.3	0.0	37.9	37.9	6.3
29	17.2	25.9	21.3	78.0	0.0	21.5	21.5	2.7
30	17.1	24.0	19.6	85.7	2.6	0.0	2.6	.2
31	17.0	27.2	19.8	81.3	30.2	2.0	32.2	2.1
Total :	16.7	26.6	20.6	78.9	101.1	245.3	346.4	113.1
Promedio :	16.7	26.6	20.6	78.9	—	—	—	—

Estación : LA CATALINA  
Año : 1998

Dpto. : RISARALDA  
Mpio. : PEREIRA

Latitud : 4 ° 45' N  
Longitud : 75 ° 44' W  
Altitud : 1310 m

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	27.2	21.4	76.3	.1	2.4	2.5	4.4
2	17.2	27.1	22.1	74.0	0.0	4.1	4.1	6.2
3	17.0	27.0	20.2	79.0	0.0	0.0	0.0	4.1
4	16.8	26.2	19.8	81.0	1.1	5.8	6.9	2.3
5	16.6	25.0	19.7	88.0	.4	.6	1.0	1.7
6	17.2	26.2	20.2	77.0	.1	13.2	13.3	2.3
7	16.5	23.2	18.8	85.7	.1	0.0	.1	.8
8	16.0	25.0	19.6	80.0	19.7	0.0	19.7	1.4
9	16.0	27.0	20.3	79.7	7.3	36.7	44.0	2.6
10	16.1	26.1	20.6	77.7	0.0	6.9	6.9	6.8
11	17.4	26.1	20.7	79.7	.6	0.0	.6	4.1
12	17.8	25.4	20.8	83.3	.2	7.7	7.9	1.6
13	17.6	27.0	20.8	78.7	0.0	.1	.1	3.2
14	18.0	26.5	20.0	81.3	26.9	0.0	26.9	4.2
15	16.2	26.6	19.8	81.3	1.7	0.0	1.7	5.2
16	16.8	27.2	21.2	79.0	0.0	0.0	0.0	6.4
17	18.0	24.2	21.2	84.0	0.0	8.3	8.3	.4
18	17.8	27.2	21.0	77.7	0.0	0.0	0.0	3.0
19	17.9	26.4	20.5	81.0	1.1	33.4	34.5	2.7
20	17.0	25.2	21.0	82.0	1.1	0.0	1.1	4.0
21	18.0	23.2	19.8	86.3	1.3	32.1	33.4	.9
22	16.8	20.5	18.6	86.3	.7	0.0	.7	0.0
23	15.4	27.4	20.5	71.7	0.0	15.5	15.5	9.5
24	17.8	24.0	19.4	84.0	24.5	1.4	25.9	.5
25	16.0	25.2	20.2	81.3	0.0	0.0	0.0	3.1
26	17.6	26.4	21.4	78.3	0.0	0.0	0.0	2.8
27	17.8	26.6	20.2	82.0	2.0	7.9	9.9	5.4
28	17.0	22.8	19.0	84.3	12.4	4.7	17.1	.1
29	16.2	27.8	20.9	74.7	0.0	3.6	3.6	6.2
30	17.2	27.5	20.3	76.3	0.0	2.8	2.8	5.4
31								
Total :					101.3	187.2	288.5	101.3
Promedio :	17.0	25.8	20.3	80.4				

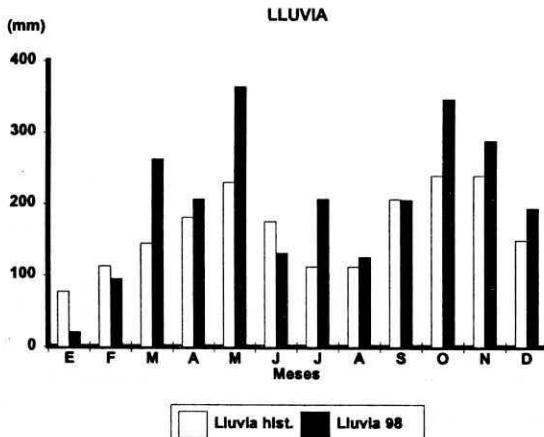
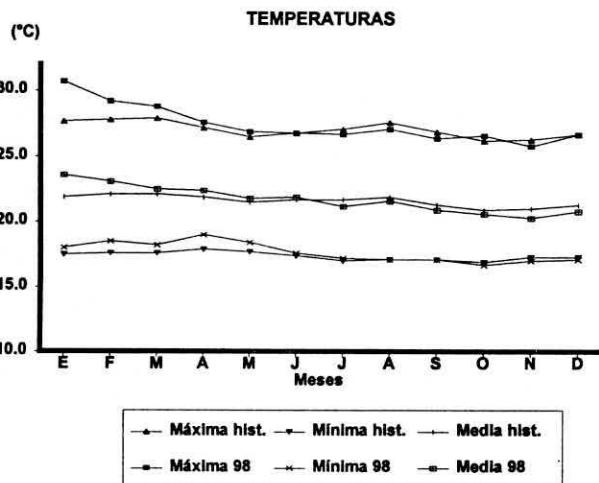
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.6	27.0	21.3	80.3	0.0	14.7	14.7	3.2
2	17.8	23.2	19.0	95.0	13.1	23.8	36.9	.2
3	16.4	27.0	21.0	79.7	.8	0.0	.8	5.1
4	16.2	25.3	20.7	79.7	.8	0.0	.8	1.2
5	16.8	25.8	20.6	81.7	.1	2.5	2.6	3.6
6	17.8	25.7	19.9	86.0	.5	7.3	7.8	2.1
7	17.2	26.0	19.9	81.3	9.3	0.0	9.3	3.9
8	16.4	28.6	21.6	73.3	0.0	0.0	0.0	7.5
9	17.4	28.2	22.1	72.7	0.0	0.0	0.0	6.7
10	18.2	26.4	20.9	78.7	1.1	0.0	1.1	1.1
11	18.3	25.2	21.0	85.3	.2	2.9	3.1	1.5
12	18.0	27.0	20.6	84.0	2.5	0.0	2.5	1.5
13	17.8	24.0	20.0	91.7	2.7	0.0	2.7	1.3
14	16.2	27.8	20.9	80.7	2.6	0.0	2.6	2.7
15	18.0	27.0	21.4	78.0	10.6	0.0	10.6	2.9
16	17.4	22.2	20.1	88.0	0.0	0.0	0.0	0.0
17	16.7	26.2	20.0	83.0	1.1	0.0	1.1	2.9
18	16.0	27.8	20.7	81.7	.1	34.3	34.4	3.3
19	17.0	26.8	21.2	75.0	0.0	0.0	0.0	3.7
20	17.2	25.5	20.8	81.7	.9	16.7	17.6	3.8
21	16.0	27.5	21.9	69.3	0.0	0.0	0.0	5.5
22	17.4	28.2	21.4	73.0	0.0	0.0	0.0	7.7
23	16.0	28.1	21.7	73.7	0.0	.6	.6	9.2
24	17.4	27.4	22.3	71.7	0.0	.2	.2	8.1
25	17.2	28.4	20.4	79.0	7.7	.3	8.0	5.2
26	16.8	28.0	19.8	77.0	24.3	0.0	24.3	5.3
27	15.4	27.2	20.0	80.0	.5	0.0	.5	5.3
28	17.4	26.4	20.6	82.3	1.2	0.0	1.2	3.3
29	17.5	27.4	20.8	82.3	2.7	5.9	8.6	3.6
30	17.8	27.2	20.7	85.3	.4	0.0	.4	3.8
31	17.1	28.2	22.6	72.0	0.0	1.0	1.0	6.0
Total :					83.2	110.2	193.4	121.2
Promedio :	17.1	26.7	20.8	80.1				

Estación : LA CATALINA  
Año : 1998

Dpto. : RISARALDA  
Mpio. : PEREIRA

Latitud : 4 ° 45' N  
Longitud : 75 ° 44' W  
Altitud : 1310 m

MES	TEMPERATURA °C					Hum. Rel. (%)	PRECIPITACION		
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.		Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	18.0	30.7	23.6	33.5	16.7	68.8	20.8	6	213.4
Febrero	18.5	29.2	23.1	34.0	16.4	70.0	95.1	13	125.2
Marzo	18.2	28.8	22.5	32.0	15.8	71.9	262.5	21	137.0
Abril	19.0	27.6	22.4	30.3	17.5	80.5	206.7	26	85.7
Mayo	18.4	26.9	21.8	30.3	16.8	81.3	364.5	23	97.1
Junio	17.6	26.8	21.9	30.0	15.8	79.8	131.5	20	105.7
Julio	17.2	26.7	21.2	29.7	16.0	80.4	206.5	29	123.1
Agosto	17.1	27.1	21.6	29.3	15.5	77.1	125.5	20	131.8
Septiembre	17.1	26.4	20.9	29.9	15.6	78.0	205.6	24	103.7
Octubre	16.7	26.6	20.6	30.0	15.0	78.9	346.4	27	113.1
Noviembre	17.0	25.8	20.3	27.8	15.4	80.4	288.5	25	101.3
Diciembre	17.1	26.7	20.8	28.6	15.4	80.1	193.4	25	121.2
Promedio :	17.7	27.4	21.7			77.3			
Absoluta :				34.0	15.0				
Total :							2447.0	259	1458.3



Estación : EL CEDRAL  
Año : 1998

Dpto. : RISARALDA  
Mpio. : PEREIRA

Latitud : 4 ° 42'N  
Longitud : 75 ° 32'W  
Altitud : 2120 m

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	11.1	22.0	15.0	91.7	2.1	0.0	2.1	2.5
2	11.7	24.3	16.6	78.3	18.3	0.0	18.3	5.7
3	10.0	26.0	17.2	64.3	0.0	0.0	0.0	9.0
4	11.7	28.0	18.6	62.3	0.0	0.0	0.0	9.1
5	12.0	24.5	16.0	88.3	6.8	0.0	6.8	5.5
6	11.2	21.5	15.6	81.0	2.3	0.0	2.3	1.4
7	11.9	20.0	15.0	90.7	27.7	0.0	27.7	.3
8	10.9	24.1	16.5	81.0	0.0	0.0	0.0	8.0
9	9.4	22.5	15.0	76.7	9.8	0.0	9.8	4.3
10	10.3	23.5	16.6	80.0	0.0	0.0	0.0	5.0
11	11.9	23.8	16.8	79.0	17.7	0.0	17.7	5.2
12	12.0	22.5	16.2	86.3	0.0	0.0	0.0	.8
13	12.2	21.7	15.8	85.3	14.3	0.0	14.3	1.9
14	11.5	21.0	15.8	91.7	3.0	0.0	3.0	2.1
15	11.6	21.5	16.4	91.3	3.2	0.0	3.2	3.4
16	11.0	21.9	16.8	81.3	0.0	0.0	0.0	2.4
17	10.9	23.1	16.4	80.7	0.0	0.0	0.0	4.8
18	11.0	23.0	16.1	80.0	.5	0.0	.5	6.0
19	11.0	23.9	17.2	84.0	0.0	0.0	0.0	1.8
20	11.9	23.5	16.6	84.7	0.0	0.0	0.0	2.7
21	13.0	25.6	18.4	75.0	0.0	0.0	0.0	6.1
22	12.0	25.0	17.8	82.7	0.0	0.0	0.0	3.8
23	12.5	24.8	17.9	83.3	0.0	0.0	0.0	3.8
24	12.0	23.4	16.8	86.0	0.0	0.0	0.0	4.3
25	10.0	25.0	17.2	69.0	0.0	0.0	0.0	5.0
26	9.3	25.2	17.1	76.0	0.0	0.0	0.0	7.4
27	11.0	24.0	17.1	81.0	1.0	0.0	1.0	4.8
28	11.5	23.0	17.1	80.7	0.0	0.0	0.0	2.9
29	11.2	25.6	17.0	80.3	2.6	0.0	2.6	6.7
30	11.3	23.7	17.6	85.7	0.0	0.0	0.0	3.5
31	12.0	24.4	17.8	87.3	0.0	0.0	0.0	5.6
Total :					109.3	0.0	109.3	135.8
Promedio :	11.3	23.6	16.7	81.5				
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	10.5	26.4	17.8	81.3	0.0	0.0	0.0	7.4
2	12.3	25.8	18.2	81.7	0.0	0.0	0.0	4.6
3	13.8	23.9	16.7	89.0	50.9	0.0	50.9	.7
4	10.8	23.2	17.4	87.0	.4	.4	.8	3.3
5	12.8	20.8	16.7	87.3	2.4	0.0	2.4	.1
6	12.0	21.0	17.2	84.3	5.7	.4	6.1	.6
7	13.0	21.8	17.1	86.7	0.0	36.6	36.6	2.3
8	15.0	19.2	16.8	88.7	16.0	2.4	18.4	0.0
9	14.2	18.2	15.7	90.0	25.8	0.0	25.8	0.0
10	13.1	19.3	16.0	91.0	2.2	0.0	2.2	.2
11	12.8	19.0	15.9	85.3	4.7	0.0	4.7	0.0
12	12.0	21.2	16.2	84.7	.2	0.0	.2	.5
13	12.7	24.0	17.4	79.3	3.7	3.1	6.8	3.6
14	13.9	24.1	15.9	92.3	.7	2.0	2.7	.5
15	11.9	23.4	17.8	82.7	0.0	0.0	0.0	4.2
16	12.8	26.8	19.0	58.3	0.0	0.0	0.0	9.2
17	12.7	25.3	17.6	75.0	0.0	0.0	0.0	5.7
18	11.0	23.8	16.6	86.0	0.0	0.0	0.0	3.9
19	12.0	21.6	16.7	89.7	0.0	0.0	0.0	1.5
20	11.0	24.0	17.2	76.3	.2	0.0	.2	4.4
21	11.8	21.8	17.0	87.7	.2	0.0	.2	2.2
22	11.7	23.0	16.7	80.0	.1	0.0	.1	3.5
23	12.3	22.0	16.4	82.3	.3	0.0	.3	.8
24	13.3	22.6	17.0	83.7	.4	0.0	.4	3.3
25	12.0	24.0	17.3	82.0	0.0	0.0	0.0	4.3
26	11.8	23.5	16.1	88.3	2.2	0.0	2.2	3.7
27	10.7	24.0	16.4	83.3	2.5	0.0	2.5	3.8
28	12.0	23.0	16.3	79.7	11.0	0.0	11.0	3.0
29								
30								
31								
Total :					129.6	44.9	174.5	77.3
Promedio :	12.4	22.7	16.9	83.7				

Estación : EL CEDRAL  
Año : 1998

Dpto. : RISARALDA  
Mpio. : PEREIRA

Latitud : 4 ° 42' N  
Longitud : 75 ° 32' W  
Altitud : 2120 m

Marzo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	12.5	23.2	16.4	82.0	13.8	0.0	13.8	2.4
2	12.5	18.5	15.0	91.0	5.4	0.0	5.4	0.0
3	11.8	23.2	16.9	79.3	0.0	0.0	0.0	3.8
4	12.0	23.1	16.6	83.3	.5	0.0	.5	2.8
5	11.9	21.0	16.4	86.7	0.0	0.0	0.0	3.0
6	12.0	22.2	16.6	83.0	11.6	.1	11.7	.9
7	13.0	21.2	15.9	93.0	7.4	9.8	17.2	1.2
8	12.6	22.5	15.8	91.7	15.9	0.0	15.9	3.2
9	12.1	23.0	15.9	91.3	9.5	0.0	9.5	3.1
10	11.6	22.8	16.4	84.7	0.0	0.0	0.0	3.4
11	12.5	22.0	15.5	81.0	3.8	0.0	3.8	2.2
12	10.8	23.2	16.8	77.7	0.0	0.0	0.0	4.3
13	11.5	23.3	16.4	83.7	18.8	0.0	18.8	3.1
14	10.7	24.0	16.4	77.3	3.5	0.0	3.5	.8
15	10.2	21.0	16.0	81.0	0.0	0.0	0.0	1.9
16	11.5	22.2	16.0	82.3	.1	0.0	.1	1.2
17	12.2	23.4	17.1	80.0	3.6	0.0	3.6	3.7
18	11.8	24.2	17.3	84.3	.2	0.0	.2	1.4
19	12.7	24.5	17.2	85.0	2.2	0.0	2.2	2.1
20	13.0	22.0	16.4	83.0	.5	0.0	.5	0.0
21	12.7	21.4	16.7	80.7	.4	0.0	.4	1.5
22	12.6	24.0	16.0	89.7	.8	6.2	7.0	4.9
23	13.0	19.0	15.2	92.3	68.8	.2	69.0	.1
24	11.8	22.0	15.5	92.7	5.9	0.0	5.9	2.6
25	13.0	23.6	15.8	86.3	26.5	.4	26.9	3.8
26	11.8	22.3	16.6	84.7	11.7	.1	11.8	2.2
27	13.0	21.0	16.8	87.7	1.5	1.3	2.8	.6
28	13.1	20.8	16.4	88.0	7.3	.6	7.9	.6
29	12.5	19.1	16.5	89.3	1.0	2.6	3.6	1.6
30	13.0	20.5	16.2	89.0	37.4	5.9	43.3	.2
31	13.8	20.7	17.0	90.0	5.8	0.0	5.8	1.2
Total :					263.9	27.2	291.1	
Promedio :	12.2	22.1	16.3	85.5				63.8

Abril	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.0	21.7	17.4	88.0	4.2	0.0	4.2	1.6
2	13.0	19.3	17.0	87.0	19.3	1.6	20.9	.2
3	14.1	19.8	17.0	89.7	5.5	4.5	10.0	.1
4	13.1	20.0	16.3	87.0	8.4	0.0	8.4	.5
5	11.5	22.0	15.2	91.3	69.4	0.0	69.4	2.2
6	12.2	20.5	16.2	90.7	15.9	16.1	32.0	.4
7	12.0	20.3	17.0	93.0	9.8	0.0	9.8	2.5
8	12.9	21.4	16.5	90.7	.7	0.0	.7	2.1
9	12.6	20.3	15.9	87.7	0.0	0.0	0.0	.7
10	11.0	21.1	15.7	84.3	.5	10.3	10.8	1.5
11	13.3	17.8	14.8	90.0	23.2	0.0	23.2	0.0
12	11.7	19.2	15.4	87.7	0.0	0.0	0.0	1.7
13	11.0	19.4	15.3	87.3	1.9	1.5	3.4	1.3
14	13.3	21.0	16.2	88.0	8.4	0.0	8.4	.2
15	12.0	21.0	16.2	90.0	3.6	0.0	3.6	2.8
16	13.0	22.2	15.7	90.7	5.8	0.0	5.8	1.7
17	12.0	22.0	16.2	84.3	17.9	0.0	17.9	1.2
18	12.7	20.9	15.2	92.0	7.1	0.0	7.1	1.9
19	12.8	20.0	15.6	84.3	24.5	1.0	25.5	.1
20	13.8	20.5	16.2	89.3	1.5	0.0	1.5	1.7
21	13.6	20.8	17.0	82.0	11.5	0.0	11.5	.3
22	12.2	22.2	16.4	88.7	1.4	.1	1.5	2.3
23	12.5	20.5	16.1	85.0	9.0	0.0	9.0	0.0
24	12.8	20.2	16.8	86.0	.5	.2	.7	.8
25	13.0	21.5	15.6	89.0	17.3	0.0	17.3	2.7
26	12.0	20.0	15.6	85.0	1.3	1.7	3.0	0.0
27	13.0	22.8	17.2	82.7	2.0	0.0	2.0	4.0
28	12.6	20.0	15.8	92.7	2.5	0.0	2.5	.8
29	11.9	20.1	16.7	83.0	.2	0.0	.2	1.7
30	13.2	19.2	15.6	88.0	4.8	0.0	4.8	.1
Total :					278.1	37.0	315.1	
Promedio :	12.6	20.6	16.1	87.8				37.1

Estación : EL CEDRAL  
Año : 1998

Dpto. : RISARALDA  
Mpio. : PEREIRA

Latitud : 4 ° 42'N  
Longitud : 75 ° 32'W  
Altitud : 2120 m

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	12.0	18.6	14.8	87.0	22.7	.1	22.8	.1
2	13.2	20.8	16.5	88.3	1.6	1.4	3.0	.5
3	14.0	16.8	14.9	93.3	46.7	36.1	82.8	.1
4	12.8	17.0	13.8	92.7	7.3	4.7	12.0	0.0
5	13.1	20.1	15.2	88.7	17.4	7.8	25.2	.2
6	13.0	20.0	15.6	80.3	0.0	.1	.1	.3
7	12.9	19.7	15.1	84.3	13.0	1.3	14.3	.7
8	13.0	20.8	16.0	83.7	0.0	0.0	0.0	2.1
9	11.8	22.5	16.4	78.7	0.0	0.0	0.0	.9
10	11.5	21.0	14.8	92.0	20.3	.2	20.5	3.0
11	11.8	20.8	15.4	89.7	.2	.1	.3	2.4
12	12.0	21.0	15.3	85.7	.8	0.0	.8	.1
13	11.0	23.9	17.4	81.0	0.0	0.0	0.0	4.8
14	12.4	21.2	16.7	87.3	0.0	0.0	0.0	0.0
15	14.0	20.0	16.2	86.7	0.0	.3	.3	2.4
16	11.8	22.9	17.2	83.7	0.0	0.0	0.0	6.7
17	13.0	21.9	17.2	86.3	0.0	1.6	1.6	.4
18	12.8	21.7	16.8	85.3	9.6	.2	9.8	1.7
19	12.2	23.5	17.0	85.0	0.0	0.0	0.0	4.0
20	12.0	23.6	17.4	83.3	0.0	0.0	0.0	4.0
21	12.8	23.0	17.6	84.3	0.0	0.0	0.0	5.5
22	12.4	22.8	17.4	85.7	0.0	0.0	0.0	4.4
23	13.6	20.0	16.4	89.7	0.0	0.0	0.0	.4
24	13.1	20.3	15.9	92.7	0.0	0.0	0.0	.5
25	13.0	20.2	15.8	90.7	1.6	8.8	10.4	0.0
26	14.2	18.4	15.6	92.0	8.4	14.8	23.2	.2
27	14.0	23.0	15.0	90.7	19.8	24.3	44.1	0.0
28	13.8	16.9	14.7	92.7	28.6	13.1	41.7	0.0
29	12.6	18.0	14.9	90.0	14.9	0.0	14.9	.1
30	12.0	22.2	16.0	88.3	18.6	.3	18.9	2.2
31	11.9	19.8	15.3	88.0	3.6	0.0	3.6	.8
Total :					235.1	115.2	350.3	48.5
Promedio :	12.7	20.7	15.9	87.3				

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	12.0	17.0	15.4	90.3	5.3	2.9	8.2	2.3
2	11.5	19.8	15.8	86.0	0.0	9.5	9.5	.1
3	12.2	21.5	16.0	87.0	0.0	0.0	0.0	1.7
4	11.4	22.8	16.2	91.0	0.0	1.2	1.2	3.8
5	12.0	22.0	16.0	89.3	0.0	0.0	0.0	3.2
6	11.5	21.9	15.6	90.7	1.1	0.0	1.1	3.5
7	12.0	19.0	15.0	91.3	4.2	0.0	4.2	0.0
8	11.9	19.4	15.7	90.7	2.3	1.6	3.9	.3
9	13.7	22.0	17.2	82.7	0.0	0.0	0.0	2.0
10	12.8	22.7	16.5	90.7	0.0	0.0	0.0	2.4
11	11.8	22.2	16.4	90.0	.2	0.0	.2	4.2
12	12.5	25.0	17.6	77.7	0.0	0.0	0.0	3.5
13	13.0	26.1	19.0	74.7	0.0	0.0	0.0	8.1
14	11.6	26.2	16.4	88.3	4.0	1.0	5.0	1.6
15	13.8	18.8	15.2	93.3	1.3	0.0	1.3	1.8
16	12.8	21.0	16.6	90.0	0.0	0.0	0.0	1.9
17	10.9	21.3	16.0	87.3	0.0	0.0	0.0	3.0
18	11.6	20.6	15.8	89.7	0.0	0.0	0.0	.6
19	10.8	19.8	15.6	94.0	5.0	0.0	5.0	0.0
20	12.0	19.4	15.4	89.0	3.0	0.0	3.0	.3
21	12.4	20.0	16.1	92.3	3.0	2.0	5.0	.7
22	12.8	19.7	16.0	87.3	0.0	0.0	0.0	1.8
23	13.4	21.0	16.3	89.7	5.0	2.0	7.0	1.2
24	13.0	20.7	16.3	87.7	0.0	0.0	0.0	1.6
25	12.0	21.5	16.1	85.0	2.0	0.0	2.0	3.3
26	12.4	22.0	16.2	87.3	0.0	0.0	0.0	2.8
27	12.1	19.2	16.3	88.7	2.0	0.0	2.0	0.0
28	11.7	19.0	15.6	89.0	5.0	0.0	5.0	1.0
29	11.0	22.0	15.5	82.7	.4	0.0	.4	2.6
30	8.9	24.1	15.6	75.7	.1	0.0	.1	8.1
31								
Total :					43.9	20.2	64.1	67.4
Promedio :	12.1	21.3	16.1	87.6				

Estación : EL CEDRAL  
Año : 1998

Dpto. : RISARALDA  
Mpio. : PEREIRA

Latitud : 4 ° 42' N  
Longitud : 75 ° 32' W  
Altitud : 2120 m

Julio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	11.4	23.1	16.6	81.0	0.0	0.0	0.0	4.5
2	11.8	21.4	15.8	84.7	10.0	0.0	10.0	1.5
3	12.5	20.0	15.7	92.3	.4	.3	.7	1.2
4	13.2	18.9	15.4	87.0	2.0	35.0	37.0	4
5	12.0	19.8	15.6	87.3	0.0	.1	.1	.8
6	13.0	19.6	15.7	92.3	.1	0.0	.1	.6
7	12.0	17.3	14.6	94.0	10.4	0.0	10.4	.7
8	11.0	18.5	14.9	91.7	.2	0.0	.2	1.7
9	12.0	21.2	16.0	89.3	.3	0.0	.3	1.9
10	12.5	20.2	16.2	85.0	0.0	0.0	0.0	1.3
11	11.8	19.2	15.6	91.7	0.0	0.0	0.0	.8
12	11.0	19.4	16.1	82.3	0.0	0.0	0.0	5.5
13	10.2	22.0	15.8	81.0	0.0	0.0	0.0	3.7
14	10.8	20.0	15.2	88.3	0.0	0.0	0.0	1.3
15	11.0	20.1	15.0	94.7	.5	0.0	.5	1.9
16	12.6	19.0	15.6	88.7	0.0	2.0	2.0	1.1
17	12.8	19.3	15.4	92.0	0.0	1.0	1.0	1.1
18	13.0	19.1	15.2	92.0	18.0	8.0	26.0	.7
19	13.1	18.8	15.2	90.0	5.0	0.0	5.0	.4
20	12.0	22.0	15.4	87.3	0.0	0.0	0.0	4.8
21	10.0	21.0	16.0	83.3	0.0	0.0	0.0	4.4
22	12.5	19.6	15.2	90.7	6.0	0.0	6.0	1.1
23	11.8	20.8	15.0	89.7	0.0	0.0	0.0	1.1
24	10.9	19.5	15.8	86.3	0.0	0.0	0.0	1.5
25	11.8	20.0	14.4	83.3	10.0	0.0	10.0	1.0
26	11.9	22.4	15.9	86.7	0.0	0.0	0.0	1.8
27	10.9	19.6	15.6	87.7	0.0	0.0	0.0	2.0
28	12.3	21.0	16.3	86.0	2.0	1.0	3.0	2.3
29	12.4	21.9	15.7	92.3	1.0	.6	1.6	4.7
30	12.1	21.8	15.0	90.0	0.0	0.0	0.0	1.6
31	11.2	22.2	16.5	79.0	0.0	0.0	0.0	2.7
Total :					65.9	48.0	113.9	60.1
Promedio :	11.9	20.3	15.6	88.0				

Agosto	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	10.5	22.2	16.5	81.3	0.0	0.0	0.0	4.0
2	11.8	23.0	17.6	84.0	0.0	0.0	0.0	6.4
3	12.0	21.3	17.1	86.3	0.0	0.0	0.0	2.0
4	13.0	22.0	16.2	85.7	0.0	.1	.1	2.2
5	13.2	19.5	16.4	89.7	.1	13.0	13.1	.6
6	13.7	18.8	14.7	94.3	.6	0.0	.6	.7
7	13.0	18.5	15.3	86.7	.2	4.0	4.2	.6
8	12.9	19.8	14.8	92.0	4.1	0.0	4.1	2.7
9	9.8	23.0	15.6	85.0	51.0	0.0	51.0	4.8
10	11.0	21.9	15.2	85.0	.2	.8	1.0	3.2
11	12.7	20.3	16.4	88.0	0.0	0.0	0.0	4.8
12	11.7	20.5	15.8	85.3	0.0	0.0	0.0	1.3
13	12.0	19.8	15.4	86.7	0.0	0.0	0.0	1.1
14	11.9	20.3	15.9	86.3	0.0	.4	.4	4.1
15	12.8	16.0	14.1	93.7	11.9	.1	12.0	0.0
16	11.0	21.3	15.2	88.7	0.0	0.0	0.0	5.4
17	11.3	19.7	15.4	86.3	0.0	0.0	0.0	1.4
18	11.0	21.0	15.4	86.7	0.0	0.0	0.0	2.8
19	11.3	20.2	14.0	94.0	30.0	0.0	30.0	1.1
20	11.0	19.8	15.2	84.7	5.4	0.0	5.4	1.1
21	12.0	21.0	15.6	85.7	.4	0.0	.4	1.0
22	11.3	21.2	16.3	87.0	0.0	0.0	0.0	2.5
23	10.5	21.8	15.5	85.0	0.0	0.0	0.0	4.2
24	10.3	21.5	15.5	86.7	9.2	0.0	9.2	3.1
25	13.0	19.8	15.2	93.3	21.7	4.5	26.2	.6
26	13.1	19.3	15.4	90.7	0.0	3.2	3.2	1.1
27	12.6	21.2	14.9	92.0	1.6	0.0	1.6	2.4
28	10.0	22.6	15.6	78.0	0.0	0.0	0.0	4.0
29	10.3	21.2	15.4	82.0	0.0	0.0	0.0	2.3
30	12.8	21.0	15.9	87.0	.2	0.0	.2	.8
31	11.0	22.8	15.5	72.7	0.0	0.0	0.0	1.4
Total :					136.6	26.1	162.7	73.7
Promedio :	11.8	20.7	15.6	86.7				

Estación : EL CEDRAL  
Año : 1998

Dpto. : RISARALDA  
Mpio. : PEREIRA

Latitud : 4 ° 42'N  
Longitud : 75 ° 32'W  
Altitud : 2120 m

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	10.0	21.5	15.0	89.7	0.0	0.0	0.0	2.2
2	12.0	20.0	15.6	92.0	0.0	0.0	0.0	1.3
3	13.0	16.6	14.1	93.0	0.0	0.0	0.0	.2
4	12.0	20.2	15.2	91.3	1.8	.3	2.1	2.2
5	11.8	20.8	16.0	87.3	0.0	0.0	0.0	2.4
6	9.8	21.0	15.0	82.0	0.0	0.0	0.0	1.0
7	10.8	20.2	14.8	88.7	0.0	3.4	3.4	4.5
8	12.8	17.0	14.4	92.7	13.5	.2	13.7	0.0
9	12.2	19.5	14.6	91.7	.7	0.0	.7	1.0
10	11.0	21.4	14.4	88.7	1.0	1.5	2.5	2.3
11	10.5	21.0	15.2	80.3	3.6	0.0	3.6	.8
12	11.4	18.0	14.0	88.3	23.5	6.0	29.5	.4
13	11.5	20.2	15.0	87.7	3.6	3.2	6.8	.6
14	12.0	20.2	14.8	86.0	10.0	6.7	16.7	1.3
15	12.2	21.8	15.8	77.7	.2	0.0	.2	.9
16	12.0	23.0	16.5	82.3	.3	0.0	.3	4.6
17	10.0	19.9	14.8	88.0	8.6	0.0	8.6	1.7
18	11.0	21.0	14.7	84.7	1.9	0.0	1.9	3.1
19	11.8	20.0	16.2	84.0	.3	0.0	.3	.9
20	12.0	20.0	16.0	88.7	0.0	1.1	1.1	2.0
21	12.1	19.0	15.2	86.0	.1	1.7	1.8	.8
22	13.0	20.2	15.6	86.3	37.7	27.0	64.7	1.1
23	13.1	18.2	15.2	89.7	3.8	.9	4.7	.1
24	12.2	22.1	16.2	86.0	0.0	0.0	0.0	3.2
25	11.2	19.8	15.8	86.0	0.0	1.5	1.5	1.5
26	14.0	18.2	15.4	91.7	11.2	3.2	14.4	.7
27	13.0	20.0	15.5	87.3	0.0	0.0	0.0	.4
28	10.5	21.0	14.8	91.7	1.7	0.0	1.7	4.3
29	9.5	22.6	16.7	86.0	0.0	1.4	1.4	5.7
30	11.0	22.5	16.6	83.3	0.0	0.0	0.0	5.2
31								
Total :					123.5	58.1	181.6	56.4
Promedio :	11.6	20.2	15.3	87.3				
Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	11.0	21.0	16.6	84.7	0.0	.2	.2	2.0
2	12.8	20.4	16.0	87.0	0.0	0.0	0.0	.8
3	10.2	20.0	15.4	88.3	0.0	0.0	0.0	1.7
4	10.8	21.2	15.4	88.0	1.0	0.0	1.0	2.3
5	12.0	20.2	15.6	89.7	7.7	1.4	9.1	1.5
6	12.5	20.1	14.8	94.7	1.1	1.0	2.1	1.1
7	11.0	18.4	15.0	92.7	1.1	.1	1.2	.3
8	11.5	21.0	15.3	89.0	0.0	0.0	0.0	1.7
9	12.0	22.6	15.3	81.7	.9	0.0	.9	.7
10	11.0	22.0	15.9	86.0	0.0	0.0	0.0	4.5
11	11.2	21.2	16.0	85.3	9.3	0.0	9.3	3.1
12	10.0	20.0	14.7	89.0	.9	0.0	.9	1.7
13	11.4	19.0	13.8	92.7	24.0	0.0	24.0	.7
14	10.0	22.2	14.4	86.7	5.0	0.0	5.0	4.4
15	10.8	21.0	14.7	86.0	4.0	5.6	9.6	1.6
16	11.8	19.4	15.7	87.7	1.0	0.0	1.0	2.1
17	9.8	20.7	14.1	91.7	3.6	2.9	6.5	2.2
18	11.5	21.2	15.2	86.7	17.0	0.0	17.0	3.4
19	12.5	20.0	15.0	90.3	1.1	0.0	1.1	.2
20	11.5	18.2	14.6	94.0	24.0	0.0	24.0	.3
21	10.5	21.0	14.6	84.0	18.6	0.0	18.6	.9
22	10.5	18.2	13.8	89.7	23.3	.3	23.6	0.0
23	11.2	19.0	14.4	91.3	13.3	24.6	37.9	.5
24	12.0	18.5	14.0	93.3	29.0	12.2	41.2	2.2
25	11.8	18.2	15.2	90.3	.9	.2	1.1	.4
26	12.5	20.5	14.4	94.3	30.8	0.0	30.8	3.4
27	10.2	19.7	14.4	91.3	9.3	0.0	9.3	4.5
28	10.0	20.2	15.2	90.7	5.6	3.2	8.8	4.0
29	11.5	19.4	15.1	94.0	15.1	0.0	15.1	2.1
30	12.5	18.8	14.4	95.3	36.5	0.0	36.5	0.0
31	11.5	19.2	14.9	89.3	29.6	.6	30.2	.3
Total :					313.7	52.3	366.0	54.6
Promedio :	11.3	20.1	15.0	89.5				

Estación : EL CEDRAL  
Año : 1998

Dpto. : RISARALDA  
Mpio. : PEREIRA

Latitud : 4 ° 42'N  
Longitud : 75 ° 32'W  
Altitud : 2120 m

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	11.0	19.0	14.3	92.0	5.7	0.0	5.7	2.2
2	10.0	20.2	15.1	88.0	0.0	0.0	0.0	2.0
3	11.0	20.2	14.9	83.0	9.5	0.0	9.5	1.7
4	11.0	18.5	15.0	95.0	10.7	1.2	11.9	.9
5	12.5	17.2	14.4	93.0	11.7	0.0	11.7	.2
6	11.5	19.4	15.0	88.0	18.8	1.0	19.8	.9
7	12.0	17.2	14.0	92.3	11.6	0.0	11.6	.9
8	10.0	18.0	13.3	91.3	2.6	0.0	2.6	1.7
9	10.0	20.0	14.8	92.7	.8	10.7	11.5	2.7
10	12.5	18.8	15.0	89.0	2.7	0.0	2.7	1.9
11	11.0	19.5	14.2	89.7	11.0	0.0	11.0	2.3
12	10.0	18.7	14.9	91.0	2.2	0.0	2.2	2.0
13	11.5	19.9	14.2	95.0	15.7	7.1	22.8	1.4
14	13.0	19.5	15.6	90.7	7.7	0.0	7.7	.2
15	10.2	20.4	14.6	86.7	24.5	0.0	24.5	1.2
16	10.0	20.6	14.6	88.7	12.3	0.0	12.3	2.8
17	11.8	19.0	15.4	88.7	0.0	0.0	0.0	.8
18	12.0	19.5	15.4	89.0	3.4	0.0	3.4	.2
19	10.8	18.6	14.6	91.7	5.9	1.5	7.4	1.6
20	11.2	20.0	15.2	94.7	11.8	0.0	11.8	1.2
21	11.1	19.0	14.4	91.7	11.0	11.6	22.6	1.8
22	13.0	18.8	14.1	91.7	22.9	.5	23.4	0.0
23	11.0	21.8	15.7	87.3	0.0	4.7	4.7	3.9
24	13.2	16.2	14.4	94.3	36.2	6.3	42.5	0.0
25	12.0	21.2	15.1	84.0	0.0	18.0	18.0	2.1
26	13.0	19.8	15.1	90.0	14.0	57.9	71.9	.5
27	13.4	18.4	15.4	88.7	10.0	38.0	48.0	.6
28	13.0	17.5	14.6	91.3	18.2	16.7	34.9	.1
29	12.2	19.2	14.0	93.7	16.6	0.0	16.6	1.5
30	12.0	19.1	15.2	85.3	3.9	0.0	3.9	1.6
31								
Total :					301.4	175.2	476.6	40.9
Promedio :	11.6	19.2	14.7	90.3				

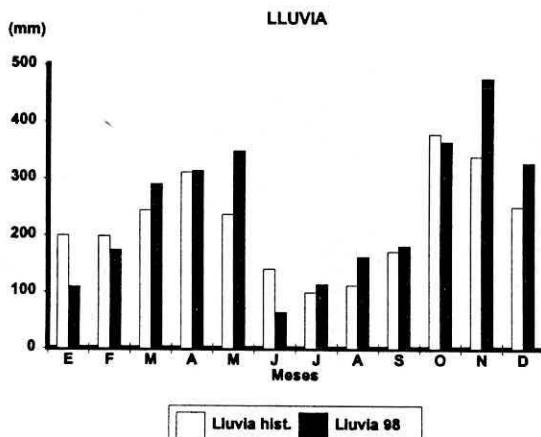
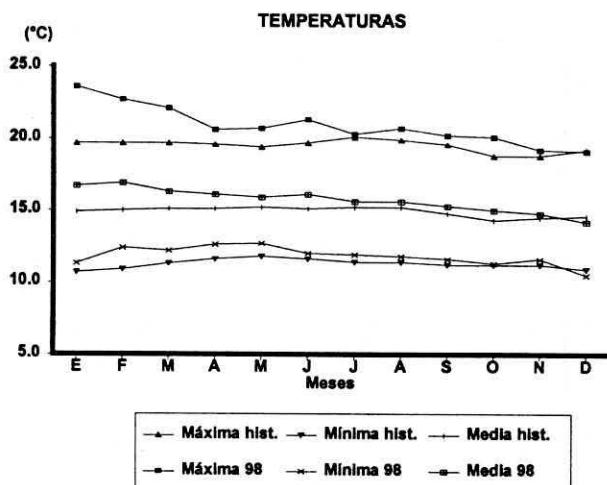
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	11.1	18.2	13.8	90.0	17.0	12.0	29.0	1.1
2	12.2	19.1	14.7	88.7	13.0	22.0	35.0	.3
3	12.1	18.5	14.4	92.3	0.0	0.0	0.0	1.0
4	11.0	21.0	14.9	89.7	6.0	0.0	6.0	1.1
5	10.5	20.2	13.6	93.0	13.0	0.0	13.0	3.4
6	11.4	16.7	13.7	94.0	8.0	0.0	8.0	.3
7	11.2	19.9	14.7	85.3	0.0	0.0	0.0	1.7
8	10.0	19.7	14.0	87.3	6.0	23.0	29.0	3.1
9	11.0	20.8	15.0	88.7	37.0	9.0	46.0	2.5
10	10.0	17.0	12.8	94.3	5.0	0.0	5.0	1.2
11	11.0	17.9	13.2	94.0	7.0	0.0	7.0	1.1
12	10.6	18.2	13.8	90.3	2.0	0.0	2.0	.1
13	10.5	20.0	14.1	93.7	6.0	0.0	6.0	2.1
14	10.2	19.9	14.6	90.7	2.0	0.0	2.0	1.6
15	11.2	18.5	14.4	88.3	0.0	0.0	0.0	.1
16	10.1	16.1	13.9	95.0	7.0	0.0	7.0	1.2
17	10.0	18.2	13.2	93.3	7.0	0.0	7.0	2.1
18	9.2	20.0	14.4	86.3	0.0	0.0	0.0	2.3
19	10.9	18.2	14.3	87.3	2.0	0.0	2.0	1.6
20	9.0	18.3	12.9	89.7	17.0	19.0	36.0	2.1
21	11.0	20.1	15.2	80.3	0.0	0.0	0.0	.6
22	11.0	19.2	14.0	83.3	39.0	0.0	39.0	1.9
23	9.6	19.4	14.2	86.3	3.0	0.0	3.0	2.8
24	10.8	20.0	14.6	85.0	10.0	0.0	10.0	3.1
25	9.7	18.9	13.8	86.7	0.0	0.0	0.0	1.2
26	8.8	18.9	14.3	86.7	9.0	0.0	9.0	2.3
27	9.2	19.2	14.2	88.3	0.0	0.0	0.0	2.5
28	10.9	18.8	13.9	94.3	25.0	0.0	25.0	2.0
29	9.4	18.0	14.2	89.3	3.0	0.0	3.0	1.7
30	10.8	19.9	14.8	88.3	0.0	0.0	0.0	2.4
31	11.1	22.0	15.9	85.7	0.0	0.0	0.0	4.0
Total :					244.0	85.0	329.0	54.5
Promedio :	10.5	19.1	14.2	89.2				

Estación : EL CEDRAL  
Año : 1998

Dpto. : RISARALDA  
Mpio. : PEREIRA

Latitud : 4 ° 42'N  
Longitud : 75 ° 32'W  
Altitud : 2120 m

MES	TEMPERATURA °C					PRECIPITACION			
	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	11.3	23.6	16.7	28.0	9.3	81.5	109.3	13	135.8
Febrero	12.4	22.7	16.9	26.8	10.5	83.7	174.5	20	77.3
Marzo	12.2	22.1	16.3	24.5	10.2	85.5	291.1	26	63.8
Abril	12.6	20.6	16.1	22.8	11.0	87.8	315.1	28	37.1
Mayo	12.7	20.7	15.9	23.9	11.0	87.3	350.3	20	48.5
Junio	12.0	21.3	16.1	26.2	8.9	87.6	64.1	18	67.4
Julio	11.9	20.3	15.6	23.1	10.0	88.0	113.9	17	60.1
Agosto	11.8	20.7	15.6	23.0	9.8	86.7	162.7	17	73.7
Septiembre	11.6	20.2	15.3	23.0	9.5	87.3	181.6	22	56.4
Octubre	11.3	20.1	15.0	22.6	9.8	89.5	366.0	27	54.6
Noviembre	11.6	19.2	14.8	21.8	10.0	90.3	476.6	28	40.9
Diciembre	10.5	19.1	14.2	22.0	8.8	89.2	329.0	22	54.5
Promedio :	11.8	20.9	15.7		28.0	87.0			
Absoluta :							2934.2		
Total :								258	770.1



Estación : SAN ANTONIO  
Año : 1998

Dpto. : SANTANDER  
Mpio. : FLORIDABLANCA

Latitud : 7 ° 6'N  
Longitud : 73 ° 4'W  
Altitud : 1480 m

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.1	24.9	19.9	81.7	0.0	0.0	0.0	7.4
2	16.5	25.8	20.8	74.7	0.0	0.0	0.0	9.3
3	17.0	26.6	20.9	73.0	0.0	0.0	0.0	10.1
4	18.5	28.2	22.0	74.0	0.0	0.0	0.0	9.1
5	19.3	27.3	22.4	74.3	0.0	8.8	8.8	9.2
6	18.5	25.7	21.4	81.7	0.0	.6	.6	9.2
7	18.4	24.5	20.3	92.0	0.0	0.0	0.0	3.8
8	18.2	24.9	20.4	88.0	0.0	0.0	0.0	6.6
9	17.8	24.9	20.6	77.7	0.0	0.0	0.0	5.0
10	17.7	25.6	20.9	83.0	0.0	0.0	0.0	9.0
11	18.8	27.5	21.8	80.7	0.0	0.0	0.0	8.1
12	18.8	24.5	20.8	86.0	0.0	0.0	0.0	1.7
13	17.8	26.6	21.6	76.7	0.0	4.2	4.2	9.2
14	18.2	24.5	21.0	81.3	0.0	0.0	0.0	5.1
15	18.1	26.4	21.1	86.3	0.0	0.0	0.0	6.6
16	18.4	27.5	21.8	78.7	0.0	40.4	40.4	8.8
17	18.5	24.6	20.7	89.3	0.0	0.0	0.0	4.5
18	18.0	24.9	20.9	85.7	0.0	0.0	0.0	7.0
19	17.8	26.3	21.2	83.7	0.0	.1	.1	9.5
20	18.4	24.6	20.6	88.3	3.6	0.0	3.6	4.0
21	18.5	27.0	22.0	81.0	0.0	0.0	0.0	6.1
22	19.2	25.4	21.6	82.3	0.0	4.5	4.5	4.4
23	19.1	26.8	21.5	85.3	0.0	0.0	0.0	8.8
24	18.6	25.9	21.5	81.0	0.0	0.0	0.0	6.9
25	18.1	26.2	21.4	80.0	0.0	0.0	0.0	6.4
26	17.9	28.5	22.6	68.3	0.0	0.0	0.0	9.8
27	18.5	26.7	22.0	81.7	0.0	66.1	66.1	8.8
28	17.3	19.5	18.7	96.7	30.6	0.0	30.6	0.0
29	17.4	25.7	21.2	83.3	0.0	.6	.6	7.9
30	18.5	24.0	20.8	89.3	0.0	.4	.4	2.1
31	18.1	25.9	21.2	88.0	0.0	0.0	0.0	5.0
Total :				82.4	34.2	125.7	159.9	209.4
Promedio :	18.2	25.7	21.1					
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.5	24.4	21.4	91.3	0.0	0.0	0.0	.8
2	19.2	29.2	23.5	75.0	0.0	0.0	0.0	8.9
3	20.0	27.5	22.7	80.3	0.0	3.1	3.1	5.9
4	18.2	24.1	20.9	92.3	0.0	0.0	0.0	.6
5	19.4	24.7	21.2	90.0	0.0	.8	.8	1.4
6	18.0	25.5	21.6	84.3	0.0	0.0	0.0	6.8
7	19.9	24.1	20.5	91.0	1.0	11.7	12.7	2.6
8	18.0	21.2	18.7	97.7	5.5	45.2	50.7	.2
9	16.9	18.6	17.6	98.0	7.6	1.1	8.7	0.0
10	14.4	17.7	16.9	97.3	.8	1.3	2.1	0.0
11	16.6	23.2	18.3	94.0	0.0	0.0	0.0	1.1
12	17.3	25.0	20.8	83.0	0.0	0.0	0.0	5.7
13	18.1	23.9	20.1	90.7	0.0	0.0	0.0	1.8
14	18.2	25.9	21.4	84.7	0.0	0.0	0.0	4.7
15	18.5	25.5	21.2	89.3	0.0	0.0	0.0	6.3
16	18.9	25.6	21.6	77.0	0.0	0.0	0.0	6.6
17	19.0	28.1	23.2	60.0	0.0	0.0	0.0	10.4
18	19.6	26.7	22.3	70.7	0.0	0.0	0.0	9.5
19	18.8	26.8	21.6	80.0	0.0	0.0	0.0	9.7
20	18.0	24.5	20.9	84.0	0.0	0.0	0.0	2.8
21	19.0	25.4	21.0	86.3	0.0	0.0	0.0	4.2
22	18.6	26.0	21.5	86.3	0.0	21.2	21.2	6.3
23	18.5	26.8	21.4	86.3	0.0	5.0	5.0	4.3
24	18.3	23.1	20.4	88.7	0.0	.1	.1	.6
25	18.0	24.9	20.6	88.3	0.0	0.0	0.0	2.6
26	18.6	25.6	21.1	77.0	0.0	0.0	0.0	8.7
27	18.5	25.8	21.6	80.0	0.0	0.0	0.0	7.8
28	18.6	26.5	21.5	83.3	0.0	0.0	0.0	6.7
29								
30								
31								
Total :				85.2	14.9	89.5	104.4	127.0
Promedio :	18.4	24.9	20.9					

Estación : SAN ANTONIO  
Año : 1998

Dpto. : SANTANDER  
Mpio. : FLORIDABLANCA

Latitud : 7 ° 6'N  
Longitud : 73 ° 4'W  
Altitud : 1480 m

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.6	25.5	21.5	81.7	0.0	0.0	0.0	5.5
2	18.2	24.6	21.2	78.7	0.0	0.0	0.0	4.2
3	18.4	26.8	22.0	80.0	0.0	0.0	0.0	6.8
4	18.7	26.2	22.0	80.7	0.0	.7	.7	3.2
5	18.6	24.0	21.1	80.7	.5	0.0	.5	2.2
6	19.0	26.7	22.1	70.7	1.4	0.0	1.4	3.2
7	18.8	23.9	21.4	84.3	.4	0.0	.4	.5
8	18.7	25.7	21.5	86.0	0.0	0.0	0.0	2.3
9	19.5	25.4	21.3	81.7	0.0	0.0	0.0	4.2
10	18.5	26.0	20.9	80.3	3.2	0.0	3.2	4.2
11	17.8	25.1	20.8	85.0	0.0	.3	.3	4.5
12	17.4	24.4	20.0	87.0	0.0	0.0	0.0	3.5
13	17.9	24.0	20.5	82.3	0.0	0.0	0.0	3.6
14	18.5	26.0	21.0	85.3	0.0	9.7	9.7	5.3
15	18.4	25.0	21.0	85.3	0.0	0.0	0.0	4.7
16	18.6	25.5	21.2	83.7	0.0	7.8	7.8	4.4
17	18.4	25.8	21.7	79.7	0.0	0.0	0.0	3.2
18	19.4	26.8	22.8	77.7	0.0	0.0	0.0	5.5
19	19.5	27.2	22.7	75.0	0.0	0.0	0.0	3.6
20	20.0	25.7	22.2	76.7	0.0	.7	.7	3.6
21	18.2	24.9	20.7	89.0	0.0	0.0	0.0	.5
22	18.5	27.8	22.5	71.7	0.0	34.7	34.7	9.1
23	17.0	22.9	19.9	84.7	.7	0.0	.7	.2
24	17.5	25.1	20.2	86.7	.4	0.0	.4	5.1
25	17.9	23.5	20.8	84.0	0.0	1.3	1.3	2.3
26	18.5	24.7	20.6	90.3	0.0	0.0	0.0	.8
27	19.2	23.8	20.8	87.0	0.0	.3	.3	.2
28	18.6	21.8	20.0	91.3	0.0	0.0	0.0	.1
29	18.1	23.5	20.4	86.3	0.0	0.0	0.0	1.1
30	18.0	20.8	19.0	93.3	9.9	14.8	24.7	0.0
31	18.1	23.0	20.2	90.0	0.0	0.0	0.0	.3
Total :					16.5	70.3	86.8	95.9
Promedio :	18.5	24.9	21.1	83.1				

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.3	25.5	20.8	88.0	0.0	0.0	0.0	5.0
2	18.9	25.0	20.5	89.7	0.0	.4	.4	1.9
3	18.1	22.0	20.0	92.7	1.0	0.0	1.0	0.0
4	18.8	25.1	21.1	87.0	.2	0.0	.2	1.6
5	19.0	26.0	22.2	80.7	0.0	2.7	2.7	4.3
6	18.5	23.7	20.5	85.7	3.4	.5	3.9	.6
7	18.4	24.8	20.4	91.7	.5	0.0	.5	2.5
8	19.0	24.7	21.3	85.7	0.0	0.0	0.0	2.5
9	19.1	26.3	21.9	75.7	.2	0.0	.2	4.8
10	19.0	25.2	21.3	87.0	0.0	.1	.1	3.5
11	18.8	26.3	21.3	86.0	0.0	.3	.3	2.5
12	18.5	23.9	20.3	91.7	.1	4.3	4.4	1.5
13	18.6	23.8	19.9	96.7	.5	18.6	19.1	2.2
14	17.4	24.0	20.0	92.0	3.5	0.0	3.5	1.5
15	18.3	26.7	21.2	85.0	0.0	0.0	0.0	8.4
16	18.7	26.8	22.0	80.3	1.2	0.0	1.2	7.2
17	19.0	25.6	22.2	75.7	0.0	0.0	0.0	5.1
18	19.2	25.2	21.8	85.0	0.0	0.0	0.0	4.4
19	19.0	22.0	19.8	92.0	20.5	.3	20.8	0.0
20	18.6	23.5	20.6	89.0	0.0	40.7	40.7	2.1
21	18.5	22.5	20.5	87.7	.7	0.0	.7	1.1
22	18.3	25.0	21.7	88.0	3.2	0.0	3.2	3.1
23	19.4	25.5	22.0	80.0	0.0	7.4	7.4	4.3
24	17.7	24.5	20.7	78.0	.7	.5	1.2	1.9
25	18.5	25.7	21.0	82.0	.4	0.0	.4	3.9
26	18.9	23.7	20.5	90.3	.4	0.0	.4	.5
27	18.7	24.5	20.5	89.3	.2	0.0	.2	2.2
28	18.4	25.7	20.6	89.0	4.7	.1	4.8	4.0
29	18.6	25.0	20.7	89.3	.4	0.0	.4	3.2
30	19.5	24.5	21.4	87.0	4.3	0.0	4.3	2.2
31								
Total :					46.1	75.9	122.0	87.8
Promedio :	18.7	24.8	21.0	86.6				

Estación : SAN ANTONIO  
Año : 1998

Dpto. : SANTANDER  
Mpio. : FLORIDABLANCA

Latitud : 7 ° 6'N  
Longitud : 73 ° 4'W  
Altitud : 1480 m

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.9	22.2	20.5	90.7	1.9	1.0	2.9	.4
2	17.0	22.8	19.8	93.7	0.0	0.0	0.0	1.7
3	18.1	23.7	19.9	89.3	9.0	44.1	53.1	.7
4	17.4	23.7	19.7	91.3	8.5	9.5	18.0	1.2
5	17.0	23.5	19.6	90.3	2.0	.9	2.9	1.8
6	18.1	22.0	19.8	88.3	0.0	0.0	0.0	.5
7	17.8	24.3	20.5	82.0	0.0	1.7	1.7	1.5
8	17.1	23.5	20.2	91.3	0.0	0.0	0.0	.9
9	18.5	24.9	20.3	88.0	38.7	.1	38.8	1.9
10	17.6	25.2	21.4	79.7	0.0	0.0	0.0	6.3
11	19.3	24.7	21.6	79.7	1.9	0.0	1.9	4.8
12	18.6	21.8	20.0	90.7	0.0	0.0	0.0	0.0
13	18.0	26.5	22.1	68.3	0.0	0.0	0.0	7.6
14	18.1	25.7	21.4	73.3	.1	3.0	3.1	5.0
15	18.1	24.2	20.5	81.3	0.0	0.0	0.0	.5
16	18.2	26.5	21.4	82.7	2.7	1.3	4.0	6.8
17	18.9	25.3	20.4	85.0	2.4	.8	3.2	.9
18	18.7	24.0	20.9	78.0	5.5	0.0	5.5	1.0
19	18.5	24.1	20.8	88.7	.8	0.0	.8	.3
20	19.3	25.7	21.8	74.7	4.6	4.5	9.1	4.3
21	18.4	26.1	22.2	75.3	2.5	1.0	3.5	5.7
22	18.1	24.6	21.5	78.7	.3	9.3	9.6	3.6
23	18.8	23.0	20.5	83.3	8.7	0.0	8.7	.1
24	18.5	24.2	21.4	85.7	0.0	0.0	0.0	1.6
25	19.6	23.9	20.9	86.0	6.8	0.0	6.8	.2
26	17.9	22.2	20.0	92.7	.9	1.5	2.4	.6
27	17.0	22.9	20.1	86.3	3.3	2.0	5.3	.7
28	17.2	20.6	18.9	94.0	3.3	.2	3.5	0.0
29	17.5	22.0	19.6	89.0	2.8	0.0	2.8	0.0
30	17.4	24.6	20.1	81.7	6.0	0.0	6.0	4.4
31	18.1	24.5	21.2	83.3	0.0	0.0	0.0	4.0
Total :					112.7	80.9	193.6	
Promedio :	18.1	24.0	20.6	84.6				69.0
Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.6	20.6	19.0	89.0	11.6	3.1	14.7	.1
2	17.3	25.0	20.6	80.0	2.7	3.3	6.0	7.8
3	17.0	22.1	19.9	92.7	0.0	0.0	0.0	1.2
4	17.4	23.8	19.2	86.7	9.4	5.8	15.2	2.6
5	17.0	24.0	19.7	80.3	9.8	0.0	9.8	2.1
6	17.9	24.5	20.5	77.3	4.1	1.4	5.5	5.2
7	17.8	23.8	20.5	85.7	1.3	0.0	1.3	1.2
8	17.9	21.7	19.5	87.7	1.1	0.0	1.1	0.0
9	17.5	24.0	20.0	83.0	3.6	0.0	3.6	4.8
10	17.4	26.0	21.3	78.3	0.0	0.0	0.0	9.4
11	18.3	25.4	21.3	78.7	.3	0.0	.3	5.7
12	18.9	23.6	20.8	85.7	1.8	0.0	1.8	3.5
13	18.6	24.7	21.4	83.3	0.0	0.0	0.0	3.8
14	19.2	25.8	21.6	82.7	3.1	.4	3.5	5.3
15	17.8	22.0	18.7	90.7	13.3	3.5	16.8	0.0
16	16.9	20.3	18.6	92.3	6.7	0.0	6.7	.6
17	16.8	23.2	19.8	80.3	0.0	0.0	0.0	4.2
18	17.9	24.9	20.7	78.0	0.0	0.0	0.0	5.1
19	17.6	24.4	19.9	85.3	5.1	0.0	5.1	4.7
20	17.3	24.4	19.9	87.0	.4	.2	.6	1.8
21	17.5	24.3	20.4	81.0	1.3	3.6	4.9	4.6
22	17.6	20.4	18.4	93.0	4.6	.1	4.7	.1
23	17.0	22.7	19.3	89.3	2.1	0.0	2.1	.7
24	17.4	24.5	20.8	83.7	0.0	0.0	0.0	3.4
25	18.4	23.9	20.5	71.7	3.2	0.0	3.2	.9
26	18.1	24.9	21.0	79.7	.5	.1	.6	4.6
27	18.0	23.7	20.6	90.7	0.0	.1	.1	1.4
28	18.2	22.2	19.3	89.0	4.9	6.1	11.0	.9
29	16.9	23.6	19.7	85.7	.9	0.0	.9	2.2
30	17.5	24.3	19.8	80.3	4.0	0.0	4.0	5.4
Total :					95.8	27.7	123.5	
Promedio :	17.7	23.6	20.1	84.3				93.3

Estación : SAN ANTONIO  
Año : 1998

Dpto. : SANTANDER  
Mpio. : FLORIDABLANCA

Latitud : 7 ° 6'N  
Longitud : 73 ° 4'W  
Altitud : 1480 m

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.4	25.2	20.7	65.0	0.0	0.0	0.0	6.5
2	19.0	26.0	21.1	77.3	0.0	.5	.5	8.1
3	17.0	23.0	19.2	89.7	5.9	0.0	5.9	2.6
4	17.5	24.4	19.9	83.0	12.0	8.4	20.4	2.6
5	16.8	20.5	18.2	94.7	3.9	.3	4.2	.3
6	16.7	21.8	18.5	84.3	5.7	0.0	5.7	1.7
7	16.2	24.3	19.2	88.3	0.0	0.0	0.0	3.2
8	16.8	21.4	18.6	89.7	10.9	0.0	10.9	1.6
9	16.8	22.0	19.2	90.0	0.0	1.0	1.0	2.0
10	17.4	21.6	19.8	83.7	.1	0.0	.1	.6
11	17.1	24.9	20.4	82.3	0.0	0.0	0.0	5.4
12	17.7	23.4	20.3	87.3	.2	0.0	.2	2.7
13	17.0	21.9	19.6	87.0	.5	3.3	3.8	2.4
14	16.3	24.8	19.8	76.7	5.6	0.0	5.6	4.3
15	16.8	22.8	19.0	82.3	3.9	0.0	3.9	3.7
16	16.8	23.5	19.5	82.0	.7	0.0	.7	4.8
17	16.7	22.2	19.3	85.0	1.4	0.0	1.4	2.1
18	16.8	22.6	18.6	90.7	25.5	0.0	25.5	1.2
19	16.4	23.4	19.6	88.7	.2	.3	.5	2.4
20	16.2	25.5	20.2	74.3	2.7	.3	3.0	8.5
21	17.8	24.7	20.5	72.0	1.2	0.0	1.2	5.2
22	16.9	23.4	19.4	83.0	0.0	0.0	0.0	2.3
23	16.3	23.4	19.6	85.3	0.0	0.0	0.0	4.0
24	17.1	23.0	20.0	87.0	0.0	0.0	0.0	1.9
25	17.0	23.2	19.7	85.0	0.0	0.0	0.0	4.1
26	16.9	24.6	20.4	83.0	0.0	.1	.1	6.7
27	17.1	25.4	20.0	81.0	.5	8.8	9.3	5.2
28	16.0	22.9	19.3	87.0	21.2	0.0	21.2	3.2
29	17.4	22.2	19.8	87.0	0.0	0.0	0.0	2.9
30	17.0	24.1	19.1	85.3	54.6	0.0	54.6	2.5
31	17.3	20.5	18.6	88.7	7.0	0.0	7.0	.4
Total :					163.7	23.0	186.7	105.1
Promedio :	17.0	23.3	19.6	84.1				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.1	24.0	19.9	75.0	.8	0.0	.8	1.4
2	17.4	25.6	20.5	78.3	.1	0.0	.1	5.9
3	18.0	25.9	20.6	79.7	0.0	0.0	0.0	7.4
4	17.7	24.0	20.6	82.7	0.0	0.0	0.0	1.5
5	17.4	25.0	20.5	79.3	.7	0.0	.7	4.2
6	17.0	22.2	19.4	83.0	0.0	2.2	2.2	2.2
7	16.5	21.0	18.4	88.7	2.3	0.0	2.3	0.0
8	15.9	23.0	19.2	87.3	0.0	0.0	0.0	2.2
9	16.6	24.3	19.8	86.3	.1	0.0	.1	5.3
10	17.2	24.5	19.3	79.7	7.4	0.0	7.4	3.5
11	17.4	25.0	20.4	82.3	0.0	0.0	0.0	6.4
12	17.9	22.8	19.4	84.7	2.3	0.0	2.3	.5
13	16.5	22.5	19.2	74.3	1.2	0.0	1.2	1.2
14	17.9	24.0	20.0	79.0	34.0	.4	34.4	.1
15	16.5	21.6	18.7	83.3	6.9	0.0	6.9	1.1
16	17.0	21.3	19.1	79.7	3.9	0.0	3.9	.5
17	16.6	21.6	18.8	74.7	3.3	0.0	3.3	2.2
18	16.5	23.3	19.4	84.3	0.0	0.0	0.0	5.3
19	16.0	25.2	20.2	79.3	.6	.2	.8	4.3
20	16.2	24.8	20.0	85.7	0.0	0.0	0.0	2.3
21	16.5	23.8	19.6	86.3	.8	.2	.8	4.7
22	17.5	23.4	19.8	82.0	.9	0.0	.9	2.0
23	17.5	23.5	19.9	94.3	2.2	0.0	2.2	3.8
24	17.9	25.2	20.0	83.7	14.3	0.0	14.3	4.5
25	17.0	24.3	18.8	92.3	4.1	.3	4.4	4.5
26	16.5	21.6	19.1	87.7	1.5	1.2	2.7	.1
27	15.9	22.5	19.0	86.7	.5	0.0	.5	1.5
28	16.0	26.1	20.7	81.3	0.0	0.0	0.0	6.5
29	17.0	25.0	21.0	75.3	0.0	0.0	0.0	6.4
30	17.8	23.0	19.5	83.3	5.4	1.0	6.4	1.4
31	17.4	23.1	19.7	89.7	1.0	7.3	8.3	.3
Total :					94.1	12.8	106.9	93.2
Promedio :	17.0	23.6	19.7	82.9				

Estación : SAN ANTONIO  
Año : 1998

Dpto. : SANTANDER  
Mpio. : FLORIDABLANCA

Latitud : 7 ° 6'N  
Longitud : 73 ° 4'W  
Altitud : 1480 m

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	22.3	19.0	82.3	12.4	.7	13.1	3.1
2	17.0	23.2	19.4	80.7	29.6	0.0	29.6	2.1
3	16.0	21.0	18.5	93.7	2.7	0.0	2.7	.8
4	15.4	23.4	19.4	82.3	1.5	0.0	1.5	5.3
5	16.0	23.5	19.5	88.0	0.0	0.0	0.0	5.2
6	17.0	25.9	20.7	77.7	0.0	0.0	0.0	8.3
7	17.2	24.1	20.2	83.7	0.0	0.0	0.0	4.6
8	17.0	22.6	19.4	84.7	0.0	0.0	0.0	.2
9	16.0	23.5	19.3	87.3	0.0	0.0	0.0	2.8
10	17.0	22.6	19.1	87.7	0.0	7.6	7.6	1.2
11	15.4	23.7	19.0	83.0	0.0	0.0	0.0	2.3
12	17.0	20.8	18.3	84.7	2.8	4.1	6.9	6.6
13	16.0	25.0	19.7	81.3	.2	5.2	5.4	.5
14	16.1	24.8	20.0	73.3	.4	10.2	10.6	3.9
15	15.2	24.9	20.2	74.0	.8	2.6	3.4	2.9
16	17.0	26.4	19.3	85.7	1.0	0.0	1.0	2.3
17	17.1	24.8	21.4	68.7	0.0	1.4	1.4	4.1
18	17.0	25.9	19.7	76.7	0.0	0.0	0.0	4.4
19	16.4	25.2	20.0	77.7	0.0	0.0	0.0	6.6
20	17.0	24.1	19.5	83.0	1.4	0.0	1.4	3.3
21	16.9	23.7	19.7	84.0	2.0	0.0	2.0	.9
22	17.0	22.9	19.7	85.7	1.1	2.2	3.3	2.5
23	16.9	24.0	18.5	92.3	13.0	.4	13.4	2.6
24	16.0	22.9	19.3	79.3	4.4	0.0	4.4	1.0
25	16.2	22.1	19.3	83.3	.2	0.0	.2	3.1
26	16.1	22.0	19.2	90.3	3.3	1.7	5.0	.9
27	16.0	25.0	20.2	84.0	.5	5.9	6.4	4.0
28	16.4	24.4	20.0	77.0	2.2	.5	2.7	6.4
29	16.8	23.2	19.5	88.3	0.0	0.0	0.0	4.1
30	17.0	26.0	20.8	82.3	0.0	0.0	0.0	9.5
31								
Total :					79.5	42.5	122.0	105.5
Promedio :	16.5	23.8	19.6	82.8				
Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	24.4	20.1	78.0	1.3	0.0	1.3	4.1
2	18.1	24.0	19.8	87.7	2.9	0.0	2.9	3.5
3	18.0	22.0	19.3	87.0	2.8	0.0	2.8	.9
4	17.0	25.0	20.4	80.7	.4	.9	1.3	6.2
5	16.4	26.0	20.0	85.3	0.0	0.0	0.0	5.3
6	17.4	24.8	20.2	87.7	.4	11.3	11.7	1.3
7	16.1	24.2	19.3	84.0	0.0	2.0	2.0	2.3
8	17.0	24.1	20.2	74.7	0.0	9.1	9.1	1.2
9	16.0	24.5	19.2	80.7	0.0	0.0	0.0	2.5
10	17.0	25.0	21.3	76.7	0.0	0.0	0.0	7.3
11	17.2	26.1	20.9	79.3	9.1	0.0	9.1	7.1
12	17.4	25.4	20.0	82.3	3.1	4.7	7.8	4.3
13	16.0	24.8	19.2	80.0	1.0	3.8	4.8	1.0
14	15.9	23.2	19.3	70.3	.3	0.0	.3	2.1
15	16.4	23.5	19.6	75.7	0.0	0.0	0.0	4.3
16	16.5	22.2	18.9	84.3	1.5	0.0	1.5	.2
17	18.0	24.1	20.0	79.3	0.0	1.0	1.0	5.5
18	16.4	25.8	19.5	83.0	.5	5.5	6.0	6.1
19	17.0	25.1	20.0	69.3	0.0	0.0	0.0	5.0
20	16.9	22.3	19.4	85.7	1.1	1.2	2.3	1.1
21	17.0	23.8	19.3	84.3	1.1	2.1	3.2	3.1
22	16.1	24.9	20.4	69.0	0.0	1.9	1.9	4.9
23	16.7	25.0	20.0	72.7	0.0	3.0	3.0	7.7
24	15.4	24.2	19.6	72.0	.4	2.7	3.1	5.3
25	16.0	22.1	19.0	86.3	.4	0.0	.4	1.1
26	16.1	22.9	19.3	85.3	0.0	0.0	0.0	5.4
27	16.9	22.8	19.7	76.7	9.6	33.6	43.2	3.9
28	15.2	23.9	19.7	76.0	0.0	0.0	0.0	6.6
29	16.9	21.9	18.7	86.7	1.1	0.0	1.1	1.1
30	16.8	21.5	18.9	81.0	8.4	0.0	8.4	.7
31	17.0	23.5	19.5	86.0	4.1	0.0	4.1	4.7
Total :					49.5	82.8	132.3	115.8
Promedio :	16.7	24.0	19.7	80.2				

Estación : SAN ANTONIO  
Año : 1998

Dpto. : SANTANDER  
Mpio. : FLORIDABLANCA

Latitud : 7 ° 6'N  
Longitud : 73 ° 4'W  
Altitud : 1480 m

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	25.8	20.3	79.7	.3	0.0	.3	3.5
2	16.2	25.0	19.4	85.3	.2	0.0	.2	4.9
3	16.7	22.4	19.5	84.0	.1	0.0	.1	1.2
4	17.0	23.1	19.2	83.3	.6	0.0	.6	2.8
5	16.9	24.9	19.7	81.7	0.0	0.0	0.0	6.1
6	16.8	22.8	19.1	86.7	0.0	4.1	4.1	1.2
7	16.2	23.1	18.5	82.7	2.6	0.0	2.6	6
8	16.0	21.2	18.8	82.3	0.0	0.0	0.0	1.6
9	16.2	21.3	18.5	87.0	0.0	0.0	0.0	.5
10	16.0	24.2	19.9	84.0	0.0	0.0	0.0	4.7
11	16.5	24.0	20.0	74.7	0.0	0.0	0.0	5.9
12	17.1	24.2	19.7	76.7	0.0	7.0	7.0	1.8
13	16.2	24.0	19.2	83.0	0.0	0.0	0.0	4.7
14	17.0	22.8	19.2	88.3	0.0	0.0	0.0	2.3
15	16.9	23.0	19.7	83.7	1.1	0.0	1.1	.5
16	17.0	23.7	19.5	81.0	0.0	0.0	0.0	1.8
17	17.1	24.6	20.9	88.7	0.0	0.0	0.0	3.3
18	17.2	24.0	19.7	82.3	.4	0.0	.4	2.6
19	16.8	23.2	19.8	80.3	.3	.1	.4	3.6
20	17.0	24.0	19.5	78.0	0.0	.4	.4	2.3
21	16.0	23.8	19.0	80.7	.5	.9	1.4	3.5
22	16.6	21.2	17.6	90.0	2.4	1.0	3.4	.2
23	16.0	22.0	17.7	80.7	.5	0.0	.5	2.8
24	16.1	24.4	19.0	78.7	0.0	0.0	0.0	4.9
25	15.4	24.0	18.8	77.7	0.0	.4	.4	5.4
26	16.0	21.9	18.5	85.3	0.0	16.5	16.5	2.3
27	15.9	22.0	18.0	86.7	0.0	0.0	0.0	2.8
28	15.2	23.1	18.8	77.3	0.0	0.0	0.0	4.2
29	15.9	22.6	18.1	87.3	.1	38.2	38.3	1.7
30	16.1	21.8	18.2	88.7	5.9	21.6	27.5	.8
Total :	—	—	—	—	15.0	90.2	105.2	—
Promedio :	16.4	23.3	19.1	82.2	—	—	—	84.5

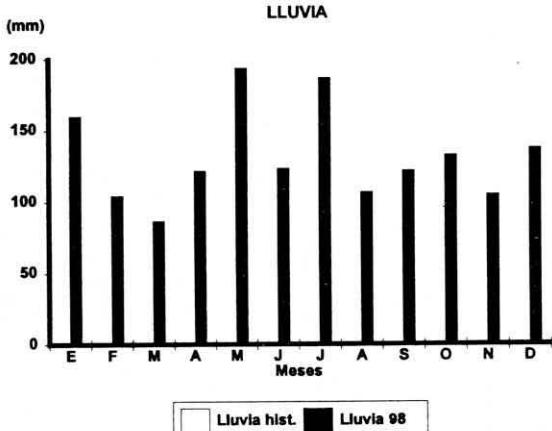
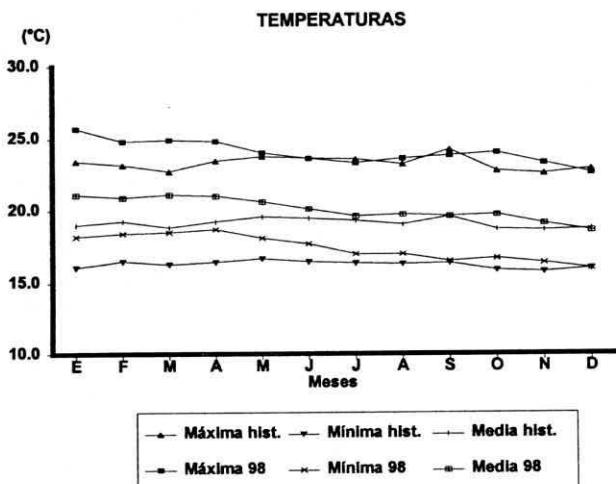
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	22.9	18.5	78.3	0.0	.5	.5	2.7
2	15.9	22.8	18.6	84.0	0.0	9.1	9.1	2.8
3	15.1	23.0	18.8	83.3	20.8	8.5	29.3	5.0
4	16.0	21.9	18.2	86.0	1.0	.1	1.1	.5
5	16.5	23.2	18.6	84.3	1.6	.3	1.9	4.0
6	16.4	22.9	18.2	89.0	7.9	46.9	54.8	2.6
7	15.5	22.2	18.2	82.0	0.0	.9	.9	3.0
8	16.0	22.1	18.8	77.7	0.0	0.0	0.0	2.6
9	16.1	21.9	18.3	87.0	1.7	7.2	8.9	.5
10	16.0	22.0	18.2	88.0	0.0	.2	.2	1.9
11	16.1	21.0	18.3	90.0	2.8	.1	2.9	1.4
12	16.2	20.4	18.2	88.7	0.0	0.0	0.0	.2
13	16.0	23.2	19.5	79.0	0.0	0.0	0.0	1.3
14	16.2	23.4	19.5	75.3	.4	0.0	.4	3.9
15	17.0	21.8	18.8	87.0	18.5	0.0	18.5	.4
16	16.9	23.1	18.9	78.3	1.8	0.0	1.8	3.0
17	16.0	23.7	19.3	78.7	.7	0.0	.7	5.1
18	16.4	23.0	18.7	81.3	0.0	0.0	0.0	3.7
19	15.8	22.2	18.4	76.7	0.0	0.0	0.0	3.3
20	16.0	23.0	18.8	84.7	0.0	0.0	0.0	5.4
21	15.9	24.7	19.0	78.7	1.9	.2	2.1	6.2
22	15.7	20.6	18.1	84.7	0.0	0.0	0.0	1.9
23	15.2	22.1	18.1	84.3	0.0	0.0	0.0	3.6
24	16.0	24.2	19.0	76.3	0.0	0.0	0.0	2.7
25	15.9	23.8	18.8	78.0	0.0	0.0	0.0	6.7
26	16.0	22.1	18.0	85.3	0.0	0.0	0.0	2.2
27	15.9	22.2	18.7	82.7	2.9	0.0	2.9	3.2
28	15.6	23.4	18.8	81.3	1.0	0.0	1.0	4.3
29	16.4	20.5	18.3	90.7	0.0	0.0	0.0	.6
30	16.0	22.2	18.7	84.3	0.0	0.0	0.0	1.3
31	16.2	23.9	19.2	82.3	0.0	0.0	0.0	3.5
Total :	—	—	—	—	63.0	74.0	137.0	—
Promedio :	16.0	22.6	18.6	82.8	—	—	—	89.5

Estación : SAN ANTONIO  
Año : 1998

Dpto. : SANTANDER  
Mpio. : FLORIDABLANCA

Latitud : 7 ° 6' N  
Longitud : 73 ° 4' W  
Altitud : 1480 m

MES	TEMPERATURA °C					PRECIPITACION			
	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	18.2	25.7	21.1	28.5	16.5	82.4	159.9	11	209.4
Febrero	18.4	24.8	20.9	29.2	14.4	85.2	104.4	9	127.0
Marzo	18.5	24.9	21.1	27.2	17.0	83.1	86.8	15	95.9
Abril	18.7	24.8	21.0	26.8	17.4	86.6	122.0	25	87.8
Mayo	18.1	24.0	20.6	26.5	17.0	84.6	193.6	22	69.0
Junio	17.7	23.6	20.1	26.0	16.8	84.3	123.5	24	93.3
Julio	17.0	23.3	19.6	26.0	16.0	84.1	186.7	23	105.1
Agosto	17.0	23.6	19.7	26.1	15.9	82.9	106.9	23	93.2
Septiembre	16.5	23.8	19.6	26.4	15.2	82.8	122.0	20	105.5
Octubre	16.7	24.0	19.7	26.1	15.2	80.2	132.3	24	115.8
Noviembre	16.4	23.3	19.1	25.8	15.2	82.2	105.2	18	84.5
Diciembre	16.0	22.6	18.6	24.7	15.1	82.8	137.0	17	89.5
Promedio :	17.4	24.0	20.1			83.4			
Absoluta :				29.2	14.4				
Total :							1580.3	231	1276.0



Estación : ALBERTO SANTOS  
Año : 1998

Dpto. : SANTANDER  
Mpio. : SOCORRO

Latitud : 5 ° 0'N  
Longitud : 75 ° 36'W  
Altitud : 1500 m

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.9	29.0	21.1	71.3	0.0	0.0	0.0	7.3
2	15.4	30.5	21.0	67.0	0.0	0.0	0.0	9.0
3	16.8	32.9	23.4	49.7	0.0	0.0	0.0	8.4
4	15.4	33.0	24.6	57.0	0.0	0.0	0.0	9.3
5	16.8	31.3	23.8	54.0	0.0	.6	.6	9.1
6	16.0	29.2	21.9	68.7	0.0	0.0	0.0	7.8
7	16.9	28.3	22.0	70.0	0.0	0.0	0.0	7.5
8	16.4	29.7	21.5	68.7	0.0	0.0	0.0	8.5
9	15.0	29.4	21.0	68.3	0.0	0.0	0.0	9.3
10	16.0	28.5	22.1	69.7	0.0	0.0	0.0	9.1
11	15.4	30.0	22.5	67.3	0.0	0.0	0.0	8.4
12	17.4	29.7	22.9	68.0	0.0	0.0	0.0	5.2
13	16.4	30.2	23.3	64.3	0.0	0.0	0.0	8.9
14	16.5	30.3	22.3	66.7	0.0	0.0	0.0	7.8
15	15.4	31.3	23.3	66.7	0.0	0.0	0.0	9.0
16	17.0	31.0	23.2	66.3	0.0	0.0	0.0	6.9
17	17.0	29.5	21.8	73.0	0.0	0.0	0.0	6.7
18	15.6	29.9	23.0	64.7	0.0	0.0	0.0	8.8
19	17.5	30.8	22.6	70.3	2.0	0.0	2.0	8.8
20	17.8	29.9	22.3	70.7	.1	0.0	.1	6.4
21	15.4	32.0	23.7	66.0	0.0	0.0	0.0	8.0
22	18.1	31.8	24.0	59.0	0.0	0.0	0.0	7.3
23	18.0	32.8	23.8	64.7	0.0	0.0	0.0	8.8
24	17.9	31.5	23.0	66.3	0.0	0.0	0.0	7.7
25	17.4	30.5	23.2	62.0	0.0	0.0	0.0	8.9
26	16.2	32.3	23.6	55.0	0.0	0.0	0.0	9.1
27	15.8	30.6	23.1	63.0	0.0	0.0	0.0	8.9
28	15.2	22.5	19.0	92.0	7.3	0.0	7.3	.5
29	15.2	29.4	21.7	74.7	0.0	5.1	5.1	9.4
30	17.0	28.4	21.9	75.3	0.0	0.0	0.0	6.4
31	16.4	30.9	23.5	65.0	0.0	.4	.4	9.0
Total :					9.4	6.1	15.5	246.2
Promedio :	16.5	30.2	22.6	66.6				
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	30.2	23.0	69.7	0.0	0.0	0.0	7.5
2	16.0	33.0	24.5	63.7	0.0	13.0	13.0	9.2
3	16.2	31.0	23.2	65.7	0.0	6.6	6.6	7.8
4	19.0	26.7	21.9	82.7	0.0	0.0	0.0	4.7
5	19.5	28.4	21.9	77.7	0.0	0.0	0.0	4.1
6	17.0	29.4	23.1	66.0	0.0	1.9	1.9	8.4
7	18.0	29.5	23.2	69.7	0.0	0.0	0.0	6.0
8	18.7	21.7	20.0	95.0	14.0	42.2	56.2	0.0
9	17.0	23.9	19.6	85.0	.3	0.0	.3	1.2
10	15.4	23.9	18.0	85.0	0.0	0.0	0.0	1.2
11	16.0	25.6	19.6	81.3	0.0	0.0	0.0	4.6
12	16.6	28.7	22.0	72.7	0.0	0.0	0.0	8.2
13	16.0	29.0	21.0	79.0	.3	.1	.4	5.2
14	16.6	29.5	21.2	75.3	.7	.1	.8	8.4
15	17.0	30.4	22.6	69.7	0.0	0.0	0.0	8.7
16	18.0	31.0	23.9	68.7	0.0	0.0	0.0	8.5
17	16.4	31.2	23.5	61.3	0.0	0.0	0.0	9.2
18	16.0	30.5	23.2	61.7	0.0	0.0	0.0	9.0
19	17.5	30.5	23.6	60.0	0.0	0.0	0.0	8.8
20	16.5	29.0	22.2	72.0	0.0	0.0	0.0	8.5
21	16.4	29.5	23.4	68.3	0.0	0.0	0.0	6.4
22	17.6	30.0	23.0	67.0	0.0	0.0	0.0	7.3
23	16.6	29.9	23.4	67.7	.4	0.0	.4	9.2
24	17.0	29.0	20.8	76.0	10.4	.3	10.7	6.2
25	17.4	29.5	22.6	68.0	0.0	0.0	0.0	9.3
26	15.9	28.3	20.8	74.3	0.0	0.0	0.0	9.3
27	16.8	30.3	22.3	73.3	0.0	0.0	0.0	9.0
28	16.9	30.0	22.3	69.0	0.0	0.0	0.0	9.4
29								
30								
31								
Total :					26.1	64.2	90.3	195.3
Promedio :	17.0	28.9	22.1	72.3				

Estación : ALBERTO SANTOS  
Año : 1998

Dpto. : SANTANDER  
Mpio. : SOCORRO

Latitud : 5 ° 0' N  
Longitud : 75 ° 36' W  
Altitud : 1500 m

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	29.8	23.0	70.3	0.0	0.0	0.0	7.8
2	17.5	29.9	23.4	61.7	0.0	0.0	0.0	8.2
3	16.5	30.3	23.9	62.0	0.0	0.0	0.0	8.7
4	17.7	29.8	24.1	62.0	0.0	0.0	0.0	6.2
5	17.5	29.5	21.8	76.3	.7	0.0	.7	2.8
6	16.4	30.6	21.8	74.7	8.8	0.0	8.8	4.6
7	18.0	27.0	21.6	85.3	.7	0.0	.7	3.2
8	17.0	26.3	20.7	83.7	0.0	0.0	0.0	.8
9	17.7	29.8	22.3	70.7	3.3	.7	4.0	6.3
10	16.8	29.7	22.7	70.3	0.0	.3	.3	7.7
11	18.6	29.6	23.3	68.3	0.0	0.0	0.0	8.2
12	19.0	28.5	22.9	67.0	.1	0.0	.1	7.3
13	16.0	29.8	23.4	66.3	0.0	.6	.6	7.3
14	16.3	29.7	22.6	70.0	0.0	0.0	0.0	4.9
15	18.9	30.2	23.6	63.3	0.0	0.0	0.0	7.1
16	17.6	31.0	24.2	61.3	0.0	0.0	0.0	6.0
17	16.9	30.7	24.2	61.3	0.0	0.0	0.0	8.3
18	17.6	31.2	24.4	56.3	0.0	0.0	0.0	8.4
19	17.8	31.4	24.6	61.3	0.0	0.0	0.0	3.0
20	17.7	30.8	23.4	60.3	0.0	0.0	0.0	5.7
21	18.2	29.7	21.3	76.7	.9	1.8	2.7	0.0
22	16.4	31.0	24.3	63.7	0.0	13.0	13.0	9.4
23	17.6	28.8	20.6	87.0	10.9	11.2	22.1	1.6
24	17.5	28.2	21.7	72.7	0.0	0.0	0.0	4.3
25	18.1	29.5	23.4	70.7	0.0	15.4	15.4	6.6
26	18.4	28.5	21.9	80.3	.5	11.7	12.2	5.7
27	18.2	26.5	20.9	87.3	0.0	1.7	1.7	3.6
28	18.0	25.6	20.9	82.7	0.0	.4	.4	3.3
29	19.0	24.0	21.0	86.0	0.0	6.6	6.6	.5
30	18.2	22.0	19.4	93.7	.2	1.7	1.9	.1
31	17.4	26.8	21.2	79.7	.3	0.0	.3	2.9
Total :					26.4	65.1	91.5	
Promedio :	17.6	28.8	22.5	72.0				160.5
Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.7	29.8	22.1	77.3	0.0	4.0	4.0	7.7
2	18.6	26.7	22.2	78.3	0.0	7.1	7.1	4.2
3	18.0	23.5	19.2	93.0	4.4	.7	5.1	.1
4	17.5	26.5	20.7	86.7	6.7	0.0	6.7	2.0
5	17.0	29.8	23.0	77.0	0.0	0.0	0.0	8.4
6	19.0	29.0	21.8	78.3	0.0	4.7	4.7	4.4
7	18.0	29.7	21.9	76.3	0.0	0.0	0.0	6.4
8	17.4	29.9	23.1	74.3	0.0	0.0	0.0	9.0
9	18.0	29.8	23.0	72.3	0.0	0.0	0.0	6.8
10	17.4	29.8	23.3	71.3	0.0	0.0	0.0	7.2
11	18.1	29.7	22.6	75.0	0.0	0.0	0.0	5.4
12	18.0	28.7	21.2	78.7	28.4	5.0	33.4	5.5
13	16.9	25.8	20.9	87.3	.1	1.3	1.4	4.1
14	18.5	24.9	20.4	90.3	7.4	0.0	7.4	4.0
15	17.0	29.0	22.9	76.0	0.0	0.0	0.0	8.9
16	18.4	29.4	23.0	73.0	0.0	0.0	0.0	5.8
17	17.6	29.1	23.2	74.3	0.0	0.0	0.0	6.8
18	19.4	27.5	22.1	77.0	.5	0.0	.5	3.0
19	18.2	23.5	20.2	90.3	1.1	.3	1.4	0.0
20	17.8	28.2	22.3	78.3	0.0	0.0	0.0	5.2
21	19.0	27.2	21.9	86.3	2.0	0.0	2.0	4.3
22	18.2	29.5	22.7	71.0	0.0	0.0	0.0	4.3
23	17.5	29.2	23.4	69.3	0.0	0.0	0.0	6.3
24	18.0	27.0	21.3	81.3	.5	2.7	3.2	2.4
25	16.7	28.8	21.8	79.0	14.0	.4	14.4	6.5
26	17.3	26.0	20.7	84.0	6.8	19.0	25.8	.9
27	17.7	26.6	21.3	81.0	2.6	0.0	2.6	4.8
28	17.5	28.8	22.3	75.7	0.0	0.0	0.0	5.9
29	17.0	29.2	23.2	71.7	0.0	0.0	0.0	8.7
30	18.2	28.8	22.6	77.3	0.0	3.9	3.9	4.8
31								
Total :					74.5	49.1	123.6	
Promedio :	17.8	28.0	22.0	78.7				153.8

Estación : ALBERTO SANTOS  
Año : 1998

Dpto. : SANTANDER  
Mpio. : SOCORRO

Latitud : 5 ° 0'N  
Longitud : 75 ° 36'W  
Altitud : 1500 m

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.5	26.5	21.1	80.0	.2	9.9	10.1	2.4
2	16.0	25.7	21.3	81.7	0.0	2.0	2.0	4.6
3	17.0	25.9	21.3	79.7	0.0	6.8	6.8	6.2
4	17.2	25.9	20.7	89.0	4.0	11.7	15.7	2.2
5	17.4	25.8	20.0	87.7	7.2	0.0	7.2	1.6
6	17.6	25.3	20.0	87.0	5.7	1.0	6.7	1.5
7	16.4	26.5	20.5	85.0	3.3	5.9	9.2	6.9
8	17.0	25.6	20.8	87.7	0.0	0.0	0.0	2.2
9	17.8	28.0	20.8	78.7	.7	.1	.8	5.7
10	16.0	28.8	23.2	75.3	.2	.1	.3	10.2
11	17.7	28.9	22.0	75.7	13.0	17.7	30.7	6.4
12	17.5	24.5	20.4	87.0	0.0	0.0	0.0	1.3
13	17.0	29.5	23.1	75.7	0.0	0.0	0.0	9.6
14	16.2	29.8	23.6	66.7	0.0	12.7	12.7	7.6
15	17.8	25.0	20.7	89.7	0.0	0.0	0.0	2.7
16	17.3	28.1	23.0	71.3	0.0	2.4	2.4	8.2
17	17.8	26.0	21.0	90.0	2.4	0.0	2.4	.7
18	18.0	26.5	21.2	84.3	.9	3.0	3.9	.9
19	18.3	24.6	21.2	87.0	2.1	1.3	3.4	1.4
20	16.5	28.9	22.5	74.7	1.4	6.3	7.7	9.6
21	17.8	28.7	22.8	72.7	.4	.4	.8	8.9
22	16.8	29.0	22.8	75.0	.2	1.1	1.3	8.4
23	18.7	25.0	20.0	93.0	4.7	0.0	4.7	.8
24	18.2	26.7	21.1	86.3	3.0	0.0	3.0	1.2
25	19.5	26.7	22.5	81.7	.9	8.2	9.1	2.8
26	18.5	24.0	20.5	89.0	.6	2.4	3.0	.2
27	18.0	26.0	20.8	85.3	9.8	9.0	18.8	2.0
28	18.1	22.5	19.5	88.0	1.7	0.0	1.7	0.0
29	16.0	26.0	20.0	85.0	2.0	0.0	2.0	.9
30	17.5	27.8	21.8	77.3	0.0	0.0	0.0	6.0
31	16.6	28.0	21.2	78.3	0.0	0.0	0.0	5.1
Total :					64.4	102.0	166.4	128.2
Promedio :	17.4	26.7	21.3	82.1				

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	25.0	20.6	87.3	3.0	7.5	10.5	.2
2	16.6	27.0	21.5	74.3	0.0	0.0	0.0	8.8
3	17.9	24.5	20.5	86.0	0.0	0.0	0.0	1.6
4	16.4	27.5	21.4	76.3	.2	1.0	1.2	5.8
5	16.3	27.5	20.8	78.7	.6	0.0	.6	7.0
6	16.0	27.7	21.5	74.0	.1	0.0	.1	6.7
7	16.4	26.8	21.4	74.7	0.0	.2	.2	2.6
8	16.6	25.0	20.6	85.0	4.6	0.0	4.6	1.7
9	18.0	28.0	20.3	77.0	5.0	3.6	8.6	6.4
10	16.3	28.6	21.8	72.3	0.0	0.0	0.0	10.3
11	15.6	28.9	22.4	71.0	0.0	0.0	0.0	7.8
12	17.2	29.0	21.4	78.7	1.6	.1	1.7	6.2
13	16.0	29.5	22.7	72.0	0.0	2.5	2.5	9.3
14	16.1	30.0	23.3	67.3	0.0	3.6	3.6	9.9
15	17.6	24.2	19.7	90.7	1.4	17.4	18.8	.7
16	15.8	22.0	19.2	87.7	.3	0.0	.3	0.0
17	16.9	26.9	20.8	78.7	0.0	1.1	1.1	6.1
18	15.8	29.5	22.6	64.3	0.0	0.0	0.0	10.6
19	16.0	30.5	23.0	62.3	.3	.5	.8	7.5
20	17.0	26.4	20.0	79.3	3.5	.9	4.4	3.8
21	15.3	29.0	21.6	73.3	0.0	6.5	6.5	7.2
22	17.0	25.8	20.9	75.0	0.0	5.2	5.2	3.4
23	16.4	25.5	20.4	76.3	7.5	0.0	7.5	2.7
24	17.5	27.2	20.4	77.0	1.3	0.0	1.3	6.8
25	16.0	29.2	21.9	71.3	.1	0.0	.1	6.8
26	16.2	28.9	23.0	64.0	0.0	2.4	2.4	8.4
27	17.0	26.2	21.6	79.7	0.0	0.0	0.0	.9
28	18.0	26.5	21.0	81.0	3.2	0.0	3.2	1.7
29	17.7	27.8	21.4	75.7	0.0	0.0	0.0	6.3
30	16.0	29.3	21.0	70.0	3.8	0.0	3.8	7.6
31								
Total :					36.5	52.5	89.0	163.6
Promedio :	16.7	27.3	21.3	76.0				

Estación : ALBERTO SANTOS  
Año : 1998

Dpto. : SANTANDER  
Mpio. : SOCORRO

Latitud : 5 ° 0' N  
Longitud : 75 ° 36' W  
Altitud : 1500 m

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.5	29.8	22.2	59.3	0.0	0.0	0.0	9.5
2	16.0	29.5	22.3	66.0	.6	0.0	.6	8.7
3	16.5	29.2	21.7	71.7	10.1	3.4	13.5	5.2
4	17.2	27.5	20.7	81.3	2.9	23.4	26.3	4.5
5	15.4	25.0	20.0	84.0	1.3	0.0	1.3	2.6
6	17.8	27.0	20.2	82.0	2.9	0.0	2.9	4.3
7	16.8	26.8	20.7	79.0	0.0	.4	.4	5.6
8	17.0	27.8	20.1	78.0	14.7	.4	15.1	5.7
9	15.6	27.2	21.0	77.3	.2	3.9	4.1	7.0
10	16.7	24.0	20.3	85.3	.1	.9	1.0	1.1
11	17.0	28.9	21.2	73.7	.1	.1	.2	6.5
12	16.0	28.8	22.3	68.7	0.0	3.4	3.4	10.3
13	16.0	28.9	21.9	65.0	0.0	4.0	4.0	9.1
14	16.0	28.2	21.0	71.7	.3	.7	1.0	7.8
15	16.0	27.8	20.3	74.0	6.0	0.0	6.0	4.1
16	15.0	28.0	20.6	76.3	1.2	17.7	18.9	5.8
17	15.0	27.4	21.2	77.0	.2	.2	.4	6.2
18	16.0	27.0	20.5	78.7	0.0	0.0	0.0	3.9
19	15.0	28.0	20.2	75.3	1.7	0.0	1.7	7.9
20	14.2	29.1	21.8	70.3	.2	2.4	2.6	10.4
21	14.3	29.0	21.2	72.0	0.0	4.7	4.7	8.6
22	15.4	26.1	19.6	80.3	1.0	0.0	1.0	1.6
23	15.8	27.4	20.1	81.0	1.0	.3	1.3	5.6
24	16.0	27.8	21.3	74.3	0.0	5.0	5.0	7.5
25	15.8	27.9	22.0	70.3	0.0	6.1	6.1	8.5
26	16.0	27.8	21.6	73.7	0.0	.2	.2	5.2
27	16.4	29.2	21.6	73.0	3.1	54.6	57.7	8.4
28	14.8	27.0	20.3	79.7	0.0	0.0	0.0	6.4
29	15.5	27.5	21.1	77.7	3.0	1.0	4.0	7.7
30	16.8	27.2	19.9	80.7	26.1	0.0	26.1	5.2
31	15.0	24.6	19.2	86.0	1.2	0.0	1.2	3.4
Total :					77.9	132.8	210.7	194.3
Promedio :	15.9	27.7	20.9	75.6				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.8	26.2	20.4	82.0	0.0	0.0	0.0	5.3
2	15.4	30.0	22.8	74.0	0.0	0.0	0.0	8.9
3	16.0	29.0	23.3	70.3	0.0	3.4	3.4	4.9
4	17.1	27.1	21.9	74.0	0.0	1.3	1.3	9.7
5	15.9	28.2	20.7	79.0	11.0	.1	11.1	7.1
6	16.0	28.1	20.8	72.3	0.0	10.2	10.2	7.3
7	15.9	24.0	19.7	84.7	2.3	.2	2.5	1.8
8	16.8	28.0	20.6	79.0	1.0	0.0	1.0	7.9
9	15.5	29.1	22.4	67.0	0.0	.8	.8	8.1
10	14.8	29.0	21.8	72.3	.2	0.0	.2	6.9
11	15.0	29.9	21.4	70.0	2.0	0.0	2.0	9.4
12	15.8	28.0	19.8	80.0	3.8	0.0	3.8	6.2
13	13.9	25.1	20.0	81.7	0.0	.4	.4	2.5
14	15.6	28.9	21.3	76.7	.8	.4	1.2	7.7
15	16.5	24.1	19.5	84.7	2.7	0.0	2.7	1.3
16	16.2	23.9	19.0	89.7	7.4	0.0	7.4	1.1
17	16.1	24.0	18.5	82.3	0.0	0.0	0.0	3.4
18	14.0	27.4	21.0	71.0	0.0	50.8	50.8	10.1
19	15.4	26.9	20.2	79.3	1.0	1.2	2.2	7.0
20	16.0	26.8	20.3	78.3	0.0	4.6	4.6	3.8
21	16.1	26.4	20.2	80.3	0.0	2.6	2.6	6.1
22	16.0	28.0	21.7	71.3	0.0	.3	.3	6.6
23	16.2	27.0	21.3	74.0	0.0	0.0	0.0	7.6
24	16.9	28.9	20.7	76.3	11.8	.5	12.3	7.0
25	15.1	27.0	19.4	79.3	58.7	3.0	61.7	6.6
26	15.2	24.0	19.1	84.3	9.4	0.0	9.4	1.4
27	15.1	25.4	20.0	78.7	0.0	0.0	0.0	4.0
28	15.0	28.2	21.1	78.3	0.0	0.0	0.0	10.1
29	15.2	29.0	22.4	70.3	.1	6.9	7.0	7.4
30	15.5	27.8	22.0	78.3	0.0	2.4	2.4	6.9
31	17.0	25.0	19.7	82.0	4.5	.3	4.8	2.9
Total :					116.7	89.4	206.1	187.0
Promedio :	15.7	27.1	20.7	77.5				

Estación : ALBERTO SANTOS  
Año : 1998

Dpto. : SANTANDER  
Mpio. : SOCORRO

Latitud : 5 ° 0' N  
Longitud : 75 ° 36' W  
Altitud : 1500 m

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	26.8	20.0	80.0	1.4	.4	1.8	4.2
2	15.1	26.0	20.5	77.0	1.2	1.2	2.4	4.4
3	15.0	24.5	19.9	84.3	4.7	5.9	10.6	4.6
4	16.2	28.7	21.0	77.0	0.0	0.0	0.0	7.4
5	15.2	28.1	21.0	76.0	0.0	5.5	5.5	8.3
6	16.6	30.0	23.0	70.0	0.0	0.0	0.0	9.5
7	17.6	28.6	21.7	73.0	0.0	0.0	0.0	7.6
8	16.8	25.1	20.1	83.0	0.0	4.3	4.3	.5
9	15.4	26.9	20.6	77.3	0.0	0.0	0.0	5.7
10	17.0	27.8	21.8	73.0	0.0	40.7	40.7	7.1
11	16.9	24.2	19.3	86.0	0.0	0.0	0.0	1.2
12	16.5	25.9	20.2	83.0	2	10.8	11.0	1.7
13	15.8	27.2	19.3	76.3	18.2	.4	18.6	7.5
14	16.0	27.0	20.6	78.3	0.0	5.9	5.9	4.1
15	16.1	26.9	19.6	87.7	0.0	.2	.2	4.5
16	17.0	27.0	21.1	77.7	0.0	0.0	0.0	3.2
17	16.0	27.4	21.2	77.7	0.0	0.0	0.0	3.9
18	17.0	27.1	20.2	79.3	.4	0.0	.4	5.2
19	15.0	28.2	22.1	69.3	0.0	0.0	0.0	7.2
20	15.4	26.4	20.7	84.0	.3	2.5	2.8	4.1
21	18.0	25.0	19.6	86.7	.7	1.0	1.7	2.6
22	16.2	26.5	19.7	80.3	7.3	.5	7.8	6.9
23	16.3	27.9	19.2	84.7	14.5	0.0	14.5	3.1
24	15.0	26.7	19.7	82.0	1.3	.2	1.5	7.1
25	16.3	26.8	21.0	77.3	0.0	1.9	1.9	5.7
26	16.9	26.0	20.2	85.0	4.0	32.1	36.1	2.7
27	15.7	27.2	21.1	81.0	1.0	.2	1.2	8.4
28	16.7	26.8	20.8	80.7	0.0	.1	.1	7.1
29	16.0	28.0	21.0	75.7	0.0	0.0	0.0	7.7
30	15.0	29.2	21.8	70.0	0.0	0.0	0.0	10.1
31								
Total :					55.2	113.8	169.0	163.3
Promedio :	16.2	27.0	20.6	79.1				

Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.9	27.1	22.3	73.3	0.0	2.4	2.4	5.2
2	17.0	26.2	20.6	81.0	.4	.7	1.1	2.5
3	17.0	24.8	20.8	80.7	4.8	3.1	7.9	2.6
4	16.5	28.7	21.9	74.3	0.0	16.2	16.2	9.0
5	16.9	28.8	22.4	78.7	0.0	4.2	4.2	9.6
6	16.7	26.9	21.3	82.0	0.0	7.4	7.4	4.9
7	16.2	26.8	20.6	83.3	0.0	4.8	4.8	4.2
8	16.8	27.6	21.1	78.0	0.0	.5	.5	6.6
9	17.1	25.0	20.2	88.3	0.0	0.0	0.0	.3
10	16.2	27.8	22.2	68.7	0.0	0.0	0.0	9.1
11	16.4	28.8	22.3	74.0	0.0	0.0	0.0	9.5
12	16.8	28.0	22.2	72.3	0.0	18.3	18.3	7.4
13	16.0	26.2	19.1	85.3	12.2	13.7	25.9	5.4
14	14.9	25.2	20.2	80.7	0.0	0.0	0.0	6.6
15	15.0	26.8	20.7	81.0	.1	0.0	.1	8.0
16	17.8	23.4	19.0	89.0	0.0	0.0	0.0	1.5
17	15.0	27.1	21.2	77.0	0.0	2.8	2.8	8.6
18	16.5	26.8	20.6	83.3	.2	.4	.6	7.2
19	18.0	27.0	21.3	81.0	0.0	.2	.2	6.2
20	16.4	26.0	20.5	88.0	.4	15.3	15.7	2.6
21	16.0	24.7	19.8	83.7	1.4	15.6	17.0	5.3
22	14.2	26.0	20.8	78.3	0.0	9.3	9.3	5.8
23	15.4	25.8	20.3	80.0	.8	28.8	29.6	7.5
24	16.0	26.1	20.3	77.3	0.0	4.2	4.2	8.0
25	16.4	26.0	20.4	82.3	8.9	14.1	23.0	5.7
26	17.0	26.2	20.6	81.0	0.0	0.0	0.0	8.4
27	16.5	26.4	21.8	72.3	0.0	6.9	6.9	8.3
28	15.9	25.8	19.8	82.3	0.0	0.0	0.0	7.7
29	16.0	25.4	20.2	84.7	.7	0.0	.7	5.7
30	17.0	24.2	18.6	92.0	6.1	.1	6.2	1.1
31	16.2	26.2	20.6	81.7	0.0	0.0	0.0	6.7
Total :					36.0	169.0	205.0	187.2
Promedio :	16.3	26.4	20.8	80.5				

Estación : ALBERTO SANTOS  
Año : 1998

Dpto. : SANTANDER  
Mpio. : SOCORRO

Latitud : 5 ° 0'N  
Longitud : 75 ° 36'W  
Altitud : 1500 m

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	27.8	21.2	80.0	0.0	0.0	0.0	6.9
2	16.0	26.9	21.5	78.0	0.0	1.0	1.0	8.6
3	15.9	26.0	20.3	88.0	2.1	.3	2.4	5.3
4	16.0	25.0	19.8	85.0	1.4	.2	1.6	4.5
5	16.2	27.0	20.5	79.3	0.0	0.0	0.0	8.6
6	16.0	26.2	20.4	82.3	2.5	7.4	9.9	5.6
7	14.8	23.4	18.4	90.0	0.0	0.0	0.0	.9
8	15.1	25.8	20.4	81.7	0.0	0.0	0.0	6.7
9	17.0	26.0	20.8	76.7	0.0	0.0	0.0	8.3
10	15.8	26.9	20.2	79.7	0.0	0.0	0.0	6.8
11	15.0	26.1	21.4	76.7	.4	0.0	.4	5.6
12	16.0	27.0	21.2	76.7	0.0	4.2	4.2	7.4
13	17.1	26.0	20.9	82.7	.1	2.7	2.8	5.0
14	17.0	25.9	20.4	82.0	0.0	0.0	0.0	4.3
15	16.5	26.8	21.2	81.7	0.0	0.0	0.0	7.3
16	16.4	26.1	20.4	83.0	.7	1.0	1.7	6.0
17	17.0	26.7	21.0	84.3	0.0	2.1	2.1	5.9
18	16.3	26.2	20.6	82.0	0.0	.2	.2	7.6
19	16.5	26.9	21.0	72.3	0.0	1.4	1.4	9.1
20	17.2	25.2	20.2	84.3	.3	2.7	3.0	2.0
21	16.6	26.2	20.3	79.7	13.8	.7	14.5	4.5
22	17.0	24.9	20.0	86.7	1.2	.3	1.5	2.5
23	15.9	26.0	19.6	83.7	0.0	0.0	0.0	5.3
24	15.9	26.1	19.5	79.7	0.0	0.0	0.0	8.3
25	14.0	25.9	18.8	80.3	0.0	0.0	0.0	8.5
26	14.8	25.8	19.6	79.3	0.0	.1	.1	7.1
27	16.0	25.4	19.5	82.3	0.0	0.0	0.0	8.0
28	14.6	25.5	19.3	80.0	0.0	0.0	0.0	6.8
29	14.2	26.0	19.7	77.7	0.0	.3	.3	8.3
30	16.9	25.4	19.6	84.7	0.0	35.4	35.4	5.7
31								
Total					22.5	60.0	82.5	187.4
Promedio :	16.0	26.0	20.3	81.4				

Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	25.8	20.0	83.7	0.0	2.5	2.5	6.9
2	14.7	25.2	20.1	81.0	0.0	.7	.7	6.2
3	16.6	26.8	20.3	79.0	0.0	0.0	0.0	6.1
4	17.0	26.2	19.8	82.0	0.0	0.0	0.0	2.4
5	17.1	27.0	21.0	78.3	0.0	.9	.9	6.3
6	15.8	26.9	20.6	78.7	0.0	11.9	11.9	7.2
7	16.1	24.7	19.8	85.7	0.0	11.3	11.3	4.5
8	16.0	25.2	20.1	80.7	0.0	1.0	1.0	6.1
9	15.8	25.1	20.0	83.0	0.0	0.0	0.0	7.4
10	16.2	26.1	20.4	79.0	0.0	0.0	0.0	7.2
11	17.1	25.4	20.3	84.3	0.0	3.7	3.7	4.1
12	16.8	25.2	19.4	87.0	.7	0.0	.7	4.8
13	16.0	26.2	20.8	78.3	0.0	0.0	0.0	5.4
14	16.8	26.3	20.8	77.3	0.0	.4	.4	5.5
15	16.0	25.1	20.4	82.7	1.3	0.0	1.3	4.3
16	16.8	25.2	20.2	80.7	0.0	0.0	0.0	4.4
17	14.8	27.0	20.2	76.3	0.0	0.0	0.0	7.4
18	14.9	26.8	20.1	80.3	0.0	0.0	0.0	4.1
19	14.8	27.0	20.1	73.7	.5	1.0	1.5	8.7
20	15.0	27.2	21.0	76.0	0.0	0.0	0.0	8.3
21	16.9	26.4	20.8	79.0	0.0	19.2	19.2	6.4
22	15.9	25.9	19.2	81.7	0.0	3.0	3.0	7.1
23	16.2	25.8	20.0	78.7	0.0	0.0	0.0	7.6
24	14.4	25.9	19.5	76.3	0.0	0.0	0.0	6.1
25	14.0	25.4	19.2	75.7	0.0	.5	.5	5.8
26	15.2	24.3	19.7	78.3	0.0	.9	.9	1.7
27	15.9	25.9	19.9	77.3	0.0	.3	.3	6.6
28	15.2	26.4	20.0	79.0	0.0	0.0	0.0	7.8
29	16.0	25.0	19.3	83.3	0.0	0.0	0.0	3.0
30	15.3	26.0	20.0	76.3	0.0	0.0	0.0	5.8
31	16.0	27.2	19.9	77.3	1.9	0.0	1.9	6.0
Total					4.4	57.3	61.7	181.0
Promedio :	15.8	26.0	20.1	79.6				

Estación : ALBERTO SANTOS  
 Año : 1998

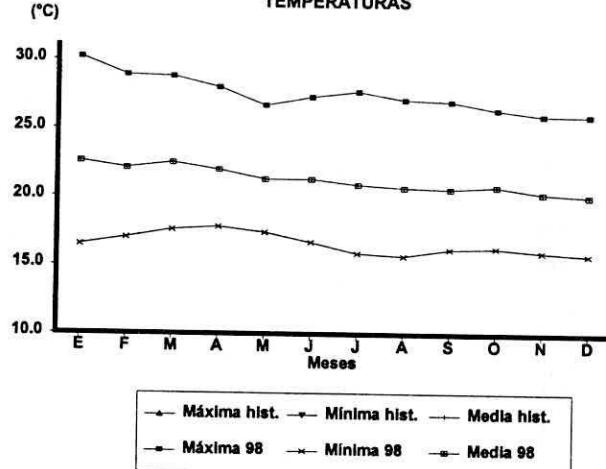
Dpto. : SANTANDER  
 Mpio. : SOCORRO

Latitud : 5 ° 0' N  
 Longitud : 75 ° 36' W  
 Altitud : 1500 m

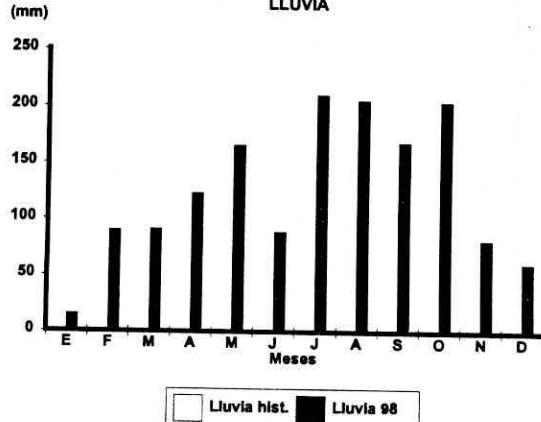
#### TEMPERATURA °C

MES	TEMPERATURA °C					PRECIPITACION			
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	16.5	30.2	22.6	33.0	15.0	66.6	15.5	6	248.2
Febrero	17.0	28.9	22.1	33.0	15.4	72.3	90.3	9	195.3
Marzo	17.6	28.8	22.5	31.4	16.0	72.0	91.5	17	160.5
Abril	17.8	28.0	22.0	29.9	16.7	78.7	123.6	16	153.8
Mayo	17.4	26.7	21.3	29.8	16.0	82.1	166.4	25	128.2
Junio	16.7	27.3	21.3	30.5	15.3	76.0	89.0	23	163.6
Julio	15.9	27.7	20.9	29.8	14.2	75.6	210.7	28	194.3
Agosto	15.7	27.1	20.7	30.0	13.9	77.5	206.1	25	187.0
Septiembre	16.2	27.0	20.6	30.0	15.0	79.1	169.0	20	163.3
Octubre	16.3	26.4	20.8	28.8	14.2	80.5	205.0	23	187.2
Noviembre	16.0	26.0	20.3	27.8	14.0	81.4	82.5	17	187.4
Diciembre	15.8	26.0	20.1	27.2	14.0	79.6	61.7	17	181.0
Promedio :	16.6	27.5	21.3			76.8			
Absoluta :				33.0	13.9				
Total :							1511.3	226	2147.8

#### TEMPERATURAS



#### LLUVIA



□ Lluvia hist. ■ Lluvia 98

Estación : LA TRINIDAD  
Año : 1998

Dpto. : TOLIMA  
Mpio. : LIBANO

Latitud : 4 ° 54'N  
Longitud : 75 ° 3'W  
Altitud : 1430 m

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.5	24.2	19.6	92.7	4.2	4.6	8.8	1.8
2	18.0	25.0	20.5	73.3	0.0	0.0	0.0	4.4
3	14.1	25.5	21.0	58.3	0.0	0.0	0.0	8.3
4	15.5	27.0	21.4	65.0	0.0	0.0	0.0	8.9
5	16.0	28.0	22.4	60.3	0.0	0.0	0.0	8.4
6	17.5	27.0	22.0	77.7	0.0	0.0	0.0	2.6
7	18.0	26.0	21.0	78.7	0.0	.1	.1	1.2
8	19.0	26.5	21.3	81.0	0.0	0.0	0.0	3.5
9	17.0	25.5	20.8	82.3	0.0	.2	.2	3.3
10	18.0	24.0	20.5	85.7	0.0	0.0	0.0	.4
11	18.2	26.0	21.3	79.7	.1	5.5	5.6	5.9
12	18.5	25.5	21.0	88.0	.2	18.7	18.9	.9
13	17.5	27.0	21.6	81.7	0.0	12.5	12.5	5.2
14	18.0	25.0	20.2	92.0	1.3	0.0	1.3	1.3
15	18.4	24.0	21.2	79.7	4.6	0.0	4.6	1.4
16	17.3	24.8	21.9	80.3	0.0	0.0	0.0	3.1
17	19.0	25.0	20.8	85.0	.2	0.0	.2	1.4
18	17.0	27.0	21.2	78.0	0.0	0.0	0.0	5.7
19	17.5	25.0	20.9	83.7	0.0	0.0	0.0	1.9
20	17.5	22.5	20.4	88.3	15.2	0.0	15.2	.5
21	17.4	26.5	21.6	77.7	0.0	0.0	0.0	7.7
22	17.5	26.7	22.2	79.7	0.0	0.0	0.0	7.6
23	19.0	27.3	23.2	77.3	0.0	30.7	30.7	5.6
24	19.4	26.0	22.2	85.7	0.0	0.0	0.0	6.1
25	17.0	26.7	21.7	80.3	4.8	0.0	4.8	4.3
26	18.0	26.2	22.0	75.0	0.0	0.0	0.0	6.6
27	17.8	27.0	22.0	82.0	0.0	25.3	25.3	3.3
28	17.5	23.0	20.4	87.7	3.0	0.0	3.0	.5
29	18.5	25.0	21.7	77.7	0.0	3.0	3.0	5.2
30	17.4	26.0	21.1	87.3	0.0	35.9	35.9	3.8
31	18.4	25.8	21.9	82.3	0.0	.8	.8	3.2
Total :					33.6	137.3	170.9	
Promedio :	17.7	25.7	21.3	80.1				124.0

Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.7	27.0	22.2	80.0	0.0	0.0	0.0	5.6
2	17.8	28.2	23.0	71.3	0.0	0.0	0.0	7.4
3	18.0	28.0	23.0	71.0	0.0	0.0	0.0	3.0
4	18.5	26.8	21.6	88.3	0.0	0.0	0.0	2.0
5	18.3	25.5	22.1	86.7	0.0	0.0	0.0	1.2
6	18.1	25.0	21.5	86.0	6.1	.1	6.2	1.1
7	18.8	26.0	21.8	90.0	.1	47.9	48.0	3.8
8	17.5	21.7	19.1	91.7	4.2	18.4	22.6	0.0
9	17.5	23.2	19.6	88.0	11.5	0.0	11.5	.7
10	16.2	20.5	18.6	92.0	0.0	0.0	0.0	0.0
11	17.3	23.0	19.4	89.0	0.0	0.0	0.0	.8
12	17.5	22.2	20.0	88.3	0.0	0.0	0.0	.1
13	17.0	24.2	21.0	82.7	0.0	10.8	10.8	.9
14	17.5	26.0	21.6	77.7	0.0	33.4	33.4	5.5
15	17.0	25.8	21.2	83.3	0.0	0.0	0.0	7.7
16	16.0	27.0	21.5	68.3	0.0	0.0	0.0	10.8
17	16.2	28.0	22.0	67.7	0.0	0.0	0.0	10.9
18	18.5	28.6	22.4	75.7	0.0	0.0	0.0	6.4
19	18.0	27.5	22.4	85.0	0.0	0.0	0.0	4.6
20	18.3	27.0	22.0	82.0	0.0	0.0	0.0	6.1
21	18.5	27.4	22.0	82.7	0.0	0.0	0.0	3.4
22	18.8	26.6	21.2	86.7	0.0	0.0	0.0	2.9
23	19.0	25.0	21.1	91.7	6.8	0.0	6.8	.7
24	19.0	24.5	21.2	89.3	0.0	1.5	1.5	.8
25	18.0	25.5	21.8	90.0	0.0	0.0	0.0	4.7
26	17.7	27.0	21.1	89.3	0.0	0.0	0.0	5.1
27	17.5	27.7	21.8	79.7	0.0	0.0	0.0	4.8
28	19.5	26.3	21.8	86.3	0.0	0.0	0.0	3.7
29								
30								
31								
Total :					28.7	112.1	140.8	104.7
Promedio :	17.8	25.8	21.4	83.6				

Estación : LA TRINIDAD  
Año : 1998

Dpto. : TOLIMA  
Mpio. : LIBANO

Latitud : 4 ° 54' N  
Longitud : 75 ° 3' W  
Altitud : 1430 m

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.1	26.5	21.8	84.3	0.0	0.0	0.0	2.4
2	20.0	24.0	20.3	91.7	4.9	0.0	4.9	2.4
3	17.2	26.2	21.6	79.7	0.0	0.0	0.0	4.4
4	17.1	26.0	21.6	78.3	0.0	0.0	0.0	4.4
5	17.5	25.0	21.4	87.3	0.0	0.0	0.0	3.4
6	18.2	25.1	21.7	86.0	38.0	16.5	54.5	3.1
7	18.6	25.3	22.2	88.3	0.0	49.1	49.1	5.7
8	17.0	25.6	20.6	86.7	0.0	0.0	0.0	5.7
9	17.5	26.0	21.6	88.0	0.0	.4	.4	3.3
10	18.7	26.5	22.2	81.7	0.0	.4	.4	3.1
11	19.0	25.8	21.0	91.0	4.2	0.0	4.2	2.9
12	17.5	26.2	21.4	84.3	0.0	0.0	0.0	5.5
13	17.7	25.5	21.2	81.0	0.0	0.0	0.0	5.6
14	17.5	26.0	21.7	77.3	0.0	0.0	0.0	5.1
15	16.9	25.6	20.4	83.0	0.0	0.0	0.0	2.3
16	18.4	25.5	20.6	90.7	6.3	0.0	6.3	1.0
17	18.0	26.2	22.0	78.7	15.8	0.0	15.8	6.7
18	18.2	26.7	22.6	82.0	0.0	0.0	0.0	7.9
19	18.8	27.5	22.6	80.7	0.0	14.5	14.5	4.0
20	17.2	24.8	21.2	90.3	.7	0.0	.7	1.5
21	17.0	24.3	21.0	87.7	0.0	.2	.2	1.5
22	19.1	26.5	22.4	85.0	0.0	44.0	44.0	4.9
23	16.0	23.0	20.0	90.3	3.6	.2	3.8	1
24	18.0	25.7	20.8	89.7	24.9	.4	25.3	2.5
25	18.5	23.7	21.2	95.0	.9	3.7	4.6	1.5
26	19.0	24.0	21.1	92.3	1.9	0.0	1.9	1.2
27	18.0	26.2	21.7	90.3	.2	.8	1.0	2.4
28	18.5	22.5	20.0	91.7	1.5	1.0	2.5	0.0
29	18.0	25.2	21.3	88.3	.1	1.3	1.4	1.6
30	18.0	23.0	19.6	90.7	3.7	0.0	3.7	.1
31	18.5	23.2	20.7	89.3	.8	0.0	.8	.1
Total :					107.5	132.5	240.0	95.5
Promedio :	18.0	25.3	21.3	86.5				
Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	25.0	21.4	87.0	0.0	60.1	60.1	1.7
2	18.2	23.5	20.1	93.3	11.4	.3	11.7	.7
3	18.5	25.0	21.2	87.7	0.0	28.6	28.6	1.8
4	17.0	24.5	20.6	85.3	0.0	0.0	0.0	3.5
5	19.0	26.8	23.0	84.0	0.0	33.8	33.8	8.5
6	19.0	23.5	20.8	91.0	0.0	.4	.4	.3
7	18.0	24.5	21.4	90.3	0.0	0.0	0.0	1.9
8	18.7	25.0	21.1	87.7	0.0	0.0	0.0	1.6
9	18.5	27.2	22.5	87.0	0.0	0.0	0.0	2.0
10	17.5	26.7	22.0	88.3	0.0	2.3	2.3	4.8
11	18.5	25.5	21.7	88.0	0.0	5.4	5.4	2.9
12	18.0	25.0	21.0	87.7	0.0	1.4	1.4	4.7
13	19.0	23.0	20.8	93.0	2.4	30.4	32.8	0.0
14	18.7	22.2	20.2	92.7	.5	0.0	.5	1.2
15	17.5	25.5	21.7	89.3	0.0	.3	.3	6.5
16	18.0	23.5	20.8	93.0	10.5	0.0	10.5	1.0
17	18.8	25.2	22.0	85.3	0.0	9.9	9.9	3.7
18	19.0	25.5	21.4	92.3	0.0	23.4	23.4	3.4
19	18.0	22.5	20.0	96.0	8.7	2.3	11.0	.2
20	19.0	25.7	21.4	89.3	0.0	50.4	50.4	3.1
21	18.0	25.0	21.1	88.0	28.8	6.5	35.3	1.9
22	19.7	25.0	21.6	92.3	.9	0.0	.9	4.2
23	18.5	24.2	20.7	93.0	0.0	0.0	0.0	1.3
24	18.0	25.0	21.6	86.7	0.0	.1	.1	1.8
25	18.5	26.0	22.0	87.3	0.0	0.0	0.0	4.4
26	18.0	21.5	20.0	95.0	24.1	0.0	24.1	0.0
27	18.2	24.5	21.2	88.0	0.0	0.0	0.0	1.5
28	19.5	25.0	20.4	91.0	7.0	0.0	7.0	2.8
29	18.4	26.8	21.8	89.7	0.0	4.7	4.7	1.8
30	18.5	25.0	21.0	96.0	8.0	2.3	10.3	1.9
31								
Total :					102.3	262.6	364.9	75.1
Promedio :	18.4	24.8	21.2	89.7				

Estación : LA TRINIDAD  
Año : 1998

Dpto. : TOLIMA  
Mpio. : LIBANO

Latitud : 4 ° 54' N  
Longitud : 75 ° 3' W  
Altitud : 1430 m

Mayo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.5	24.0	20.6	92.0	6.0	1.0	7.0	1.1
2	18.0	26.0	21.0	93.0	0.0	2.8	2.8	3.9
3	18.1	25.0	20.2	93.0	3.4	43.6	47.0	1.4
4	18.0	21.0	19.3	95.3	1.6	.2	1.8	.4
5	18.5	21.2	19.4	92.0	8.2	.3	8.5	0.0
6	17.5	21.5	18.9	94.7	.4	0.0	.4	0.0
7	16.5	24.5	20.3	90.0	1.6	52.9	54.5	3.4
8	18.2	23.8	20.5	91.0	19.7	0.0	19.7	2.6
9	18.0	23.0	19.6	90.0	2.9	0.0	2.9	3.9
10	16.5	25.0	21.4	87.7	0.0	0.0	0.0	7.4
11	18.2	24.5	21.1	89.0	0.0	8.1	8.1	4.1
12	16.5	24.0	19.8	89.3	26.3	0.0	26.3	2.5
13	16.0	25.5	21.5	83.0	0.0	0.0	0.0	8.0
14	17.4	25.0	21.9	86.0	0.0	36.0	36.0	5.3
15	16.7	23.0	19.8	94.7	.4	0.0	.4	0.0
16	17.7	24.5	20.8	91.7	0.0	0.0	0.0	3.7
17	18.5	24.0	20.2	93.7	.1	8.2	8.3	.2
18	18.0	24.0	20.0	85.3	0.0	0.0	0.0	4.3
19	16.3	25.0	21.4	71.7	0.0	0.0	0.0	7.6
20	16.2	26.5	22.1	75.0	0.0	0.0	0.0	9.7
21	16.5	26.0	22.2	77.7	0.0	0.0	0.0	9.3
22	18.0	26.5	22.6	79.3	0.0	0.0	0.0	5.7
23	17.0	24.5	20.6	89.3	0.0	0.0	0.0	.5
24	18.0	25.0	20.8	88.3	0.0	0.0	0.0	1.6
25	18.2	26.0	21.6	88.3	0.0	27.8	27.8	2.4
26	16.7	23.0	19.9	95.3	0.0	4.9	4.9	.5
27	18.0	24.5	20.8	91.7	.3	6.8	7.1	.8
28	16.9	22.5	19.4	93.7	6.6	6.6	13.2	.3
29	17.0	23.5	19.5	91.0	.7	0.0	.7	.3
30	16.0	24.5	21.0	89.3	0.0	.3	.3	2.4
31	17.0	26.5	21.6	85.3	0.0	0.0	0.0	7.5
Total :					78.2	199.5	277.7	
Promedio :	17.4	24.3	20.6	88.6				100.8

Junio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.5	23.7	20.5	92.0	0.0	.3	.3	.3
2	18.0	25.5	21.2	88.3	0.0	10.6	10.6	3.5
3	17.0	20.5	18.8	94.3	0.0	0.0	0.0	.1
4	16.0	23.0	20.8	88.7	0.0	0.0	0.0	3.1
5	17.2	23.8	19.8	88.3	0.0	0.0	0.0	4.3
6	16.5	25.0	21.4	80.3	0.0	4.0	4.0	6.7
7	18.8	22.5	20.2	98.3	12.2	0.0	12.2	.4
8	17.5	23.2	20.0	94.7	.9	7.8	8.7	.3
9	18.5	25.0	20.8	92.7	.9	0.0	.9	5.8
10	19.0	26.5	22.0	92.7	0.0	0.0	0.0	6.1
11	18.5	25.7	20.8	91.0	0.0	0.0	0.0	5.2
12	18.0	24.0	21.0	87.0	0.0	0.0	0.0	4.2
13	17.0	25.7	21.9	77.3	0.0	0.0	0.0	11.1
14	17.0	25.5	20.8	84.3	0.0	2.8	2.8	7.1
15	17.2	21.0	18.2	96.3	0.0	0.0	0.0	0.0
16	17.5	23.5	19.8	88.7	0.0	0.0	0.0	4.2
17	17.0	24.0	20.2	87.7	0.0	0.0	0.0	2.6
18	17.7	26.0	20.6	89.3	0.0	0.0	0.0	5.0
19	17.2	25.0	20.4	89.3	0.0	.2	.2	3.8
20	17.0	23.5	20.3	91.3	0.0	5.5	5.5	1.5
21	18.7	25.0	20.8	84.7	0.0	8.9	8.9	4.6
22	17.3	23.7	20.2	89.3	0.0	1.5	1.5	2.8
23	17.0	25.0	20.0	91.3	0.0	0.0	0.0	1.6
24	17.8	24.5	21.4	86.3	0.0	0.0	0.0	3.9
25	18.5	25.2	21.9	81.3	0.0	0.0	0.0	5.9
26	18.0	26.0	21.8	80.7	0.0	0.0	0.0	6.7
27	17.5	23.5	20.0	89.0	.1	.1	.2	1.6
28	16.3	24.8	20.6	82.0	.3	0.0	.3	7.3
29	15.5	23.0	19.7	83.3	0.0	0.0	0.0	2.5
30	13.7	26.4	21.0	66.3	0.0	0.0	0.0	10.7
Total :					14.4	41.7	56.1	122.9
Promedio :	17.4	24.3	20.6	87.6				

Estación : LA TRINIDAD  
Año : 1998

Dpto. : TOLIMA  
Mpio. : LIBANO

Latitud : 4 ° 54' N

Longitud : 75 ° 3' W

Altitud : 1430 m

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.5	26.6	20.4	68.7	0.0	0.0	0.0	9.9
2	15.0	24.6	20.0	78.3	0.0	.3	.3	2.1
3	16.2	25.0	20.6	83.3	0.0	0.0	0.0	4.1
4	16.8	23.4	20.1	87.0	0.0	43.4	43.4	3.5
5	16.0	19.0	17.9	93.3	0.0	.3	.3	0.0
6	16.6	21.4	18.0	93.3	.6	.4	1.0	.5
7	16.8	22.6	18.6	91.0	.3	0.0	.3	1.4
8	16.4	24.2	19.9	90.0	0.0	.1	.1	3.4
9	15.6	21.8	18.4	92.0	2.6	1.4	4.0	2.3
10	14.8	22.5	18.8	91.0	0.0	0.0	0.0	4.4
11	15.8	22.0	19.5	86.0	0.0	0.0	0.0	4.4
12	15.2	23.8	20.4	79.3	0.0	0.0	0.0	8.9
13	15.0	25.8	20.4	76.3	0.0	0.0	0.0	9.1
14	16.4	25.2	20.8	68.3	0.0	0.0	0.0	6.4
15	15.5	23.8	20.2	79.3	0.0	0.0	0.0	3.8
16	16.0	22.5	19.6	84.3	.3	9.5	9.8	3.2
17	15.9	21.9	18.8	91.3	0.0	5.3	5.3	2.1
18	16.2	22.2	18.5	94.3	15.5	49.7	65.2	3.0
19	15.2	18.6	17.2	95.7	0.0	.3	.3	.5
20	15.5	25.0	20.2	77.0	0.0	0.0	0.0	10.0
21	14.8	25.4	20.7	71.7	0.0	0.0	0.0	8.2
22	16.2	21.6	19.0	88.0	0.0	0.0	0.0	2.0
23	14.8	24.5	19.5	83.7	0.0	9.1	9.1	6.6
24	15.8	21.2	18.8	91.7	0.0	0.0	0.0	0.0
25	15.0	24.3	19.3	84.0	0.0	0.0	0.0	4.4
26	16.8	24.2	19.8	79.0	0.0	0.0	0.0	5.3
27	16.6	26.2	21.0	68.7	0.0	2.9	2.9	9.0
28	16.8	24.2	20.7	83.0	0.0	13.1	13.1	4.4
29	16.9	25.0	21.0	76.7	0.0	14.7	14.7	2.9
30	15.0	20.2	17.9	92.0	0.0	0.0	0.0	.3
31	14.0	25.0	19.5	71.3	0.0	0.0	0.0	5.8
Total :	15.7	23.3	19.5	83.5	19.3	150.5	169.8	131.9
Promedio :								

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.2	24.6	19.4	78.7	0.0	0.0	0.0	6.1
2	17.0	26.8	22.0	70.3	0.0	0.0	0.0	9.2
3	16.6	25.8	21.4	68.7	0.0	0.0	0.0	3.3
4	17.0	26.6	21.2	80.0	0.0	0.0	0.0	4.7
5	17.6	25.6	21.6	78.0	0.0	7.8	7.8	2.6
6	16.6	22.0	19.2	85.7	0.0	1.9	1.9	1.7
7	16.8	24.6	20.1	87.0	0.0	9.2	9.2	2.5
8	15.4	23.8	19.4	88.7	0.0	0.0	0.0	6.2
9	14.5	25.8	20.0	82.3	0.0	2.2	2.2	10.2
10	16.2	25.2	20.4	81.3	0.0	16.6	16.6	4.8
11	16.4	25.0	20.8	84.3	0.0	0.0	0.0	6.8
12	16.0	25.8	20.0	84.3	0.0	0.0	0.0	3.6
13	15.6	24.8	20.5	78.3	0.0	0.0	0.0	3.6
14	16.4	26.8	21.4	77.0	0.0	57.2	57.2	10.2
15	16.2	22.4	18.9	93.3	3.5	4.5	8.0	1.3
16	15.2	22.8	19.7	85.7	0.0	0.0	0.0	6.6
17	15.6	25.0	20.7	78.3	0.0	0.0	0.0	3.3
18	17.2	26.6	21.6	79.3	0.0	7.0	7.0	8.7
19	15.8	24.4	20.4	85.0	0.0	9.7	9.7	6.9
20	17.4	23.8	20.2	88.7	0.0	14.1	14.1	2.2
21	17.0	23.0	19.8	93.0	0.0	35.3	35.3	1.9
22	17.2	23.4	20.1	88.3	0.0	0.0	0.0	1.6
23	15.4	25.0	20.2	74.3	0.0	0.0	0.0	10.0
24	15.8	26.2	21.8	79.3	0.0	.3	.3	8.8
25	18.0	25.4	21.6	82.7	.7	71.3	72.0	4.2
26	16.2	23.0	20.2	89.0	0.0	12.0	12.0	2.3
27	17.2	24.0	20.8	88.3	0.0	0.0	0.0	3.3
28	16.4	25.2	21.0	80.3	0.0	0.0	0.0	7.9
29	16.6	26.2	21.2	79.3	0.0	9.6	9.6	8.0
30	17.4	23.2	20.0	83.7	0.0	0.0	0.0	1.5
31	16.2	25.6	20.6	74.0	0.0	0.0	0.0	4.3
Total :	16.4	24.8	20.5	82.2	4.2	258.7	262.9	158.3
Promedio :								

Estación : LA TRINIDAD  
Año : 1998

Dpto. : TOLIMA  
Mpio. : LIBANO

Latitud : 4 ° 54'N  
Longitud : 75 ° 3'W  
Altitud : 1430 m

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín.	Máx.	Med.		Día	Noche	Total	
1	15.0	24.0	20.6	75.3	0.0	0.0	0.0	7.2
2	16.0	24.1	20.3	82.7	0.0	.1	.1	6.6
3	17.0	22.6	19.6	88.3	0.0	3.2	3.2	1.8
4	16.7	24.4	20.5	83.0	0.0	25.6	25.6	7.4
5	15.0	23.0	19.0	87.3	0.0	0.0	0.0	7.2
6	15.2	25.2	20.4	77.7	0.0	.1	.1	8.4
7	16.9	25.8	21.4	81.7	0.0	0.0	0.0	7.0
8	18.0	23.2	19.6	86.7	.6	0.0	.6	0.0
9	17.0	24.4	20.2	86.0	0.0	28.1	28.1	3.4
10	15.0	23.2	18.6	80.3	1.0	7.7	8.7	3.8
11	15.1	23.0	18.7	83.0	.6	0.0	.6	3.8
12	15.0	23.1	18.2	89.3	.4	2.0	2.4	1.2
13	14.9	23.2	19.8	84.0	0.0	25.5	25.5	7.1
14	14.8	24.2	19.3	83.7	0.0	16.9	16.9	2.5
15	16.0	23.7	19.5	79.7	0.0	0.0	0.0	1.3
16	16.6	26.8	20.9	80.7	0.0	0.0	0.0	7.8
17	16.4	26.7	21.5	75.7	0.0	.4	.4	7.5
18	18.0	25.6	21.0	84.0	0.0	0.0	0.0	6.2
19	17.0	23.9	19.4	93.0	2.5	0.0	2.5	1.9
20	17.0	24.6	20.4	87.3	2.6	3.6	6.2	4.9
21	17.8	23.9	20.8	84.3	0.0	6.7	6.7	3.4
22	17.0	25.0	20.2	86.0	0.0	46.9	46.9	3.1
23	16.0	22.6	19.4	88.7	0.0	0.0	0.0	1.6
24	17.3	23.1	19.2	88.3	0.0	0.0	0.0	3.1
25	16.2	23.2	19.2	87.3	0.0	13.2	13.2	5.3
26	15.6	22.9	19.5	90.3	0.0	20.3	20.3	2.8
27	16.7	24.0	20.0	87.3	33.5	29.5	63.0	5.6
28	16.2	24.8	20.4	87.7	.1	0.0	.1	5.0
29	16.0	26.6	21.6	82.0	0.0	.1	.1	7.3
30	17.2	26.0	21.4	77.7	0.0	0.0	0.0	7.2
31								
Total :					41.3	229.9	271.2	141.4
Promedio :	16.3	24.2	20.0	84.3				
Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín.	Máx.	Med.		Día	Noche	Total	
1	17.2	24.0	21.5	73.7	0.0	0.0	0.0	1.9
2	17.0	24.6	20.4	78.3	0.0	0.0	0.0	4.8
3	15.8	25.2	20.6	81.0	0.0	25.8	25.8	5.1
4	16.1	25.1	20.6	86.3	0.0	1.9	1.9	8.6
5	17.0	24.8	20.7	85.7	0.0	12.3	12.3	7.3
6	17.1	25.4	20.7	79.0	0.0	10.0	10.0	3.5
7	17.0	24.4	20.2	90.0	0.0	24.2	24.2	2.8
8	17.1	24.8	20.2	90.7	0.0	47.4	47.4	4.2
9	15.1	27.0	20.4	92.0	1.1	0.0	1.1	.8
10	15.4	26.6	20.7	72.0	0.0	0.0	0.0	10.3
11	15.8	26.0	21.5	76.0	0.0	0.0	0.0	10.3
12	16.4	25.8	21.3	80.3	0.0	.8	.8	6.0
13	16.9	24.2	19.5	88.7	0.0	0.0	0.0	2.3
14	17.0	24.0	19.7	83.3	2.0	0.0	2.0	3.6
15	16.6	25.0	20.7	81.0	0.0	19.7	19.7	8.0
16	16.0	24.0	19.4	90.3	0.0	0.0	0.0	.7
17	18.0	25.2	20.6	86.0	0.0	.6	.6	6.3
18	17.0	24.0	18.9	92.0	.4	.8	1.2	4.8
19	17.0	20.2	17.9	95.3	9.7	0.0	9.7	.6
20	15.8	23.6	19.2	88.7	0.0	5.4	5.4	.8
21	17.0	23.2	19.8	87.0	1.4	21.3	22.7	4.6
22	15.0	23.3	19.2	87.3	1.7	.1	1.8	2.0
23	16.8	24.1	20.2	87.3	.1	10.5	10.6	5.6
24	16.5	22.6	19.1	93.7	0.0	9.8	9.8	2.5
25	15.4	23.0	19.4	85.7	0.0	7.4	7.4	1.6
26	16.0	24.1	20.7	89.0	0.0	0.0	0.0	8.3
27	16.9	26.9	20.9	81.7	0.0	0.0	0.0	7.0
28	17.8	25.7	20.6	85.3	.6	0.0	.6	3.9
29	16.8	25.0	20.3	89.3	4.4	27.6	32.0	1.6
30	17.6	24.1	20.5	90.3	0.0	16.8	16.8	3.5
31	18.2	24.2	20.2	93.0	7.1	0.0	7.1	3.0
Total :					28.5	242.4	270.9	136.3
Promedio :	16.6	24.5	20.2	85.8				

Estación : LA TRINIDAD  
Año : 1998

Dpto. : TOLIMA  
Mpio. : LIBANO

Latitud : 4 ° 54'N  
Longitud : 75 ° 3'W  
Altitud : 1430 m

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.1	26.2	20.8	85.7	0.0	0.0	0.0	7.3
2	17.2	25.0	21.1	87.0	0.0	7.9	7.9	7.5
3	16.4	25.4	21.0	87.3	.3	0.0	.3	3.5
4	17.2	22.8	19.6	92.0	4.9	10.8	15.7	.8
5	16.8	24.2	20.6	90.0	0.0	12.0	12.0	3.6
6	16.2	22.8	18.4	95.3	15.5	0.0	15.5	1.7
7	16.0	22.2	19.0	92.0	.7	0.0	.7	.3
8	16.1	24.8	19.7	89.7	0.0	17.7	17.7	1.4
9	16.6	25.0	20.3	87.7	0.0	15.1	15.1	3.5
10	16.9	24.0	20.2	91.3	0.0	0.0	0.0	5.8
11	17.0	24.6	20.8	84.7	0.0	0.0	0.0	5.3
12	17.4	25.2	21.4	83.3	0.0	21.4	21.4	3.2
13	17.8	24.1	20.4	90.0	0.0	31.9	31.9	.3
14	16.8	23.8	19.6	90.3	1.7	0.0	1.7	2.4
15	17.6	24.8	20.6	90.7	.2	0.0	.2	2.0
16	18.7	24.4	20.7	88.0	0.0	0.0	0.0	3.4
17	17.8	25.4	20.2	89.0	0.0	0.0	0.0	3.9
18	17.8	24.1	20.2	92.0	0.0	.1	.1	1.4
19	16.0	25.0	20.5	87.7	0.0	2.5	2.5	4.4
20	16.9	23.0	18.8	92.7	0.0	0.0	0.0	3.1
21	15.0	24.4	18.8	92.3	25.0	10.7	35.7	4.0
22	16.0	23.4	18.2	97.3	15.3	0.0	15.3	.6
23	16.6	24.7	20.0	83.0	0.0	.4	.4	3.4
24	17.0	20.8	18.6	85.3	.4	0.0	.4	.1
25	17.2	25.2	20.2	73.0	0.0	0.0	0.0	2.3
26	17.2	24.4	19.7	83.0	0.0	3.5	3.5	.7
27	17.0	24.8	19.6	85.7	0.0	1.0	1.0	.9
28	16.2	22.1	18.4	88.3	.1	.1	.2	.5
29	16.0	23.6	19.5	89.7	1.1	1.5	2.6	2.2
30	16.2	25.8	20.4	87.0	0.0	0.0	0.0	4.3
31								
Total :					65.2	136.6	201.8	83.8
Promedio :	16.8	24.2	19.9	88.4				

Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.9	25.2	20.7	80.7	0.0	2.2	2.2	4.7
2	17.0	23.9	19.4	90.0	0.0	2.8	2.8	1.2
3	17.1	24.0	19.8	91.3	2.4	.4	.8	2.0
4	17.0	23.0	19.4	91.7	0.0	0.0	0.0	1.0
5	16.6	24.0	19.6	87.7	0.0	8.3	8.3	2.4
6	17.0	23.1	19.2	91.7	30.0	.1	30.1	.7
7	17.0	22.8	19.2	91.3	0.0	.4	.4	.6
8	16.8	24.0	18.8	96.0	1.1	0.0	1.1	1.8
9	16.8	23.0	19.8	89.7	.5	.3	.8	2.0
10	16.0	23.4	19.5	89.0	0.0	.2	.2	1.4
11	17.0	23.0	19.2	92.3	3.6	0.0	3.6	1.3
12	16.8	23.2	19.8	92.7	17.8	0.0	17.8	2.5
13	17.0	24.4	20.0	87.0	0.0	0.0	0.0	3.0
14	17.6	23.6	20.3	90.0	0.0	0.0	0.0	3.2
15	16.2	22.8	19.6	89.3	30.7	0.0	30.7	1.6
16	15.6	22.6	19.8	88.7	0.0	0.0	0.0	1.6
17	15.4	24.0	19.6	89.3	0.0	0.0	0.0	4.5
18	17.0	25.0	20.6	86.3	0.0	.6	.6	3.2
19	16.4	24.8	19.7	88.3	0.0	0.0	0.0	5.6
20	14.9	26.3	19.4	85.0	0.0	0.0	0.0	6.5
21	17.4	22.8	20.0	72.3	0.0	0.0	0.0	.9
22	16.4	24.2	19.2	84.0	.6	.3	.9	5.2
23	16.9	24.4	19.8	89.3	0.0	7.4	7.4	3.4
24	15.8	23.0	18.7	89.7	0.0	0.0	0.0	3.4
25	14.8	22.0	18.0	89.3	5.0	2.3	7.3	.4
26	15.0	24.1	19.1	86.0	0.0	8.5	8.5	2.7
27	14.8	24.2	18.2	93.7	0.0	23.7	23.7	5.4
28	16.2	23.2	19.3	90.3	0.0	0.0	0.0	3.8
29	15.8	24.0	19.6	85.0	0.0	0.0	0.0	2.5
30	16.6	25.0	20.2	84.3	0.0	2.0	2.0	4.3
31	15.6	23.6	19.5	90.3	0.0	0.0	0.0	3.4
Total :					91.7	59.5	151.2	86.2
Promedio :	16.3	23.8	19.5	88.5				

Estación : LA TRINIDAD  
Año : 1998

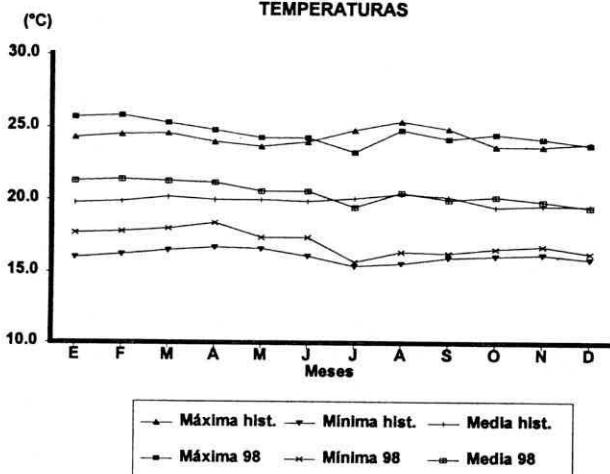
Dpto. : TOLIMA  
Mpio. : LIBANO

Latitud : 4 ° 54' N  
Longitud : 75 ° 3' W  
Altitud : 1430 m

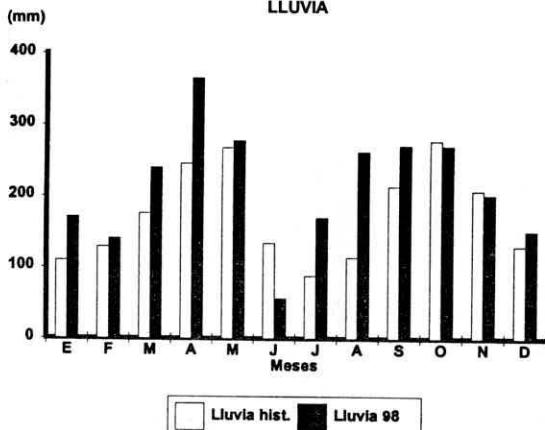
#### TEMPERATURA °C

MES	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	17.7	25.7	21.3	28.0	14.1	80.1	170.9	17	124.0
Febrero	17.8	25.8	21.4	28.6	16.0	83.6	140.8	8	104.7
Marzo	18.0	25.3	21.3	27.5	16.0	86.5	240.0	21	95.5
Abrel	18.4	24.8	21.2	27.2	17.0	89.7	364.9	23	75.1
Mayo	17.4	24.3	20.6	26.5	16.0	88.6	277.7	20	100.8
Junio	17.4	24.3	20.6	26.5	13.7	87.6	56.1	13	122.9
Julio	15.7	23.3	19.5	26.6	14.0	83.5	169.8	15	131.9
Agosto	16.4	24.8	20.5	26.8	14.5	82.2	262.9	15	158.3
Septiembre	16.3	24.2	20.0	26.8	14.8	84.3	271.2	21	141.4
Octubre	16.6	24.5	20.2	27.0	15.0	85.8	270.9	23	136.3
Noviembre	16.8	24.2	19.9	26.2	15.0	88.4	201.8	22	83.8
Diciembre	16.3	23.8	19.5	26.3	14.8	88.5	151.2	19	86.2
Promedio :	17.1	24.6	20.5			85.7			
Absoluta :				28.6	13.7				
Total :							2578.2	217	1360.9

#### TEMPERATURAS



#### LLUVIA



Estación : CHAPETON  
Año : 1998

Dpto. : TOLIMA  
Mpio. : IBAGUE

Latitud : 4 ° 28'N  
Longitud : 75 ° 16'W  
Altitud : 1300 m

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.6	27.4	22.0	78.7	0.0	.7	.7	1.5
2	17.6	28.6	22.0	63.7	0.0	0.0	0.0	8.2
3	13.8	29.8	22.8	56.3	0.0	0.0	0.0	5.7
4	16.2	29.8	24.2	45.7	0.0	0.0	0.0	7.4
5	15.2	30.2	23.0	63.3	0.0	0.0	0.0	8.9
6	16.2	28.6	23.0	76.7	0.0	0.0	0.0	2.3
7	17.6	26.4	22.2	83.3	0.0	0.0	0.0	3.6
8	17.4	26.2	20.7	90.7	2.4	0.0	2.4	6.5
9	16.4	29.2	23.4	71.7	0.0	0.0	0.0	5.3
10	15.2	28.0	22.6	68.7	0.0	0.0	0.0	3.7
11	15.2	27.4	21.2	89.3	1.0	0.0	1.0	4.4
12	18.8	26.2	21.2	89.0	0.0	0.0	0.0	.7
13	18.6	27.5	22.0	82.0	0.0	.7	.7	3.2
14	18.8	26.4	22.6	84.0	0.0	7.7	7.7	3.3
15	19.8	27.5	22.0	83.0	.8	0.0	.8	4.4
16	16.4	28.6	22.2	76.3	0.0	0.0	0.0	9.4
17	17.6	27.4	22.2	82.3	.6	0.0	.6	4.8
18	17.4	27.0	22.2	82.7	14.4	5.8	20.2	8.5
19	16.2	27.5	22.0	79.3	0.0	0.0	0.0	7.0
20	18.6	26.2	22.0	89.0	0.0	11.0	11.0	2.9
21	18.6	27.6	22.2	83.0	0.0	0.0	0.0	7.9
22	17.4	28.6	22.5	80.3	0.0	.2	.2	9.1
23	17.5	27.8	22.6	79.0	.3	0.0	.3	6.2
24	15.2	28.8	23.2	64.3	0.0	0.0	0.0	9.3
25	18.6	28.8	23.8	64.7	0.0	0.0	0.0	8.0
26	18.0	26.8	22.8	70.0	0.0	0.0	0.0	6.9
27	16.4	27.6	22.6	73.3	0.0	0.0	0.0	6.4
28	19.0	25.2	22.1	81.7	0.0	0.0	0.0	3.2
29	18.6	27.4	22.2	75.0	.4	0.0	.4	6.6
30	17.6	27.6	20.3	78.3	1.8	.7	2.5	5.6
31	17.4	29.8	21.0	60.0	0.0	0.0	0.0	5.8
Total :					21.7	26.8	48.5	176.5
Promedio :	17.3	27.8	22.3	75.6				

Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.2	29.9	23.0	69.3	0.0	1.2	1.2	8.2
2	19.8	31.0	24.4	63.3	0.0	0.0	0.0	7.7
3	18.8	30.2	24.2	62.3	0.0	0.0	0.0	3.9
4	17.4	27.6	23.4	69.3	0.0	.4	.4	4.7
5	20.0	28.6	23.8	72.3	.3	2.0	2.3	1.6
6	18.8	26.4	22.6	80.7	4.4	0.0	4.4	3.7
7	20.0	27.4	23.1	79.7	0.0	7.0	7.0	2.3
8	18.8	23.8	20.7	92.7	6.0	23.1	29.1	.1
9	18.6	23.8	20.4	92.3	2.4	3.3	5.7	0.0
10	17.0	20.2	19.1	96.7	.4	.1	.5	0.0
11	17.6	25.0	20.4	90.0	.6	1.7	2.3	1.3
12	17.3	25.6	21.4	85.0	0.0	0.0	0.0	.4
13	17.6	27.6	22.2	81.7	.8	13.2	14.0	4.3
14	18.6	28.1	23.1	73.3	0.0	6.7	6.7	7.5
15	17.6	26.2	21.7	80.3	0.0	0.0	0.0	4.3
16	16.4	30.2	23.9	56.7	0.0	0.0	0.0	9.1
17	16.2	30.0	22.6	67.3	0.0	0.0	0.0	9.4
18	16.0	28.8	22.7	77.3	0.0	0.0	0.0	7.8
19	17.6	28.6	22.8	82.0	0.0	0.0	0.0	7.0
20	17.0	26.2	22.5	78.7	1.7	0.0	1.7	4.8
21	17.6	27.4	20.0	94.3	0.0	0.0	0.0	3.7
22	16.2	27.6	22.2	80.3	0.0	0.0	0.0	7.8
23	17.6	26.7	22.2	81.0	0.0	0.0	0.0	1.9
24	18.8	27.4	21.0	89.7	.3	0.0	.3	2.6
25	17.0	26.5	22.0	84.0	0.0	0.0	0.0	5.5
26	15.2	27.5	21.6	79.3	0.0	0.0	0.0	7.4
27	16.2	28.6	22.4	79.3	0.0	0.0	0.0	6.8
28	18.0	28.6	22.6	72.7	0.0	0.0	0.0	6.0
29								
30								
31								
Total :					16.9	58.7	75.6	129.8
Promedio :	17.6	27.3	22.2	79.0				

Estación : CHAPETON  
Año : 1998

Dpto. : TOLIMA  
Mpio. : IBAGUE

Latitud : 4 ° 28'N

Longitud : 75 ° 16'W

Altitud : 1300 m

Marzo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.6	27.4	23.2	73.3	0.0	7.1	7.1	4.5
2	19.4	24.8	21.0	83.0	4.2	0.0	4.2	.1
3	15.7	25.6	20.4	77.3	0.0	0.0	0.0	1.3
4	16.5	27.3	21.7	74.0	0.0	0.0	0.0	6.7
5	16.7	27.6	21.5	72.3	.1	0.0	.1	3.3
6	18.7	26.0	21.6	79.3	1.0	20.5	21.5	1.7
7	17.3	25.9	20.2	84.7	2.9	46.4	49.3	2.2
8	17.0	25.6	21.2	79.7	0.0	0.0	0.0	3.0
9	15.9	27.4	21.1	77.7	0.0	0.0	0.0	4.7
10	18.0	26.5	22.4	81.0	0.0	0.0	0.0	6.0
11	17.5	26.2	21.0	82.0	40.3	0.0	40.3	2.3
12	16.4	26.3	21.4	82.0	0.0	.2	.2	6.7
13	18.0	27.4	22.0	74.7	0.0	.5	.5	4.7
14	17.7	27.7	22.3	79.3	0.0	0.0	0.0	7.4
15	16.2	27.4	22.2	77.3	0.0	0.0	0.0	6.6
16	17.6	26.2	21.8	79.3	0.0	8.8	8.8	4.7
17	18.6	27.6	22.4	74.3	0.0	0.0	0.0	6.5
18	17.4	28.6	23.3	71.3	0.0	0.0	0.0	7.9
19	17.6	28.8	23.0	74.3	0.0	0.0	0.0	5.2
20	19.0	26.2	20.6	87.3	29.8	0.0	29.8	0.0
21	16.2	25.0	21.0	84.3	0.0	0.0	0.0	2.7
22	17.6	28.6	22.2	76.7	0.0	20.7	20.7	7.8
23	18.8	24.0	21.2	84.3	15.0	5.7	20.7	.5
24	18.0	25.0	20.7	88.0	4.7	0.0	4.7	1.2
25	17.8	26.5	22.2	80.3	0.0	0.0	0.0	3.4
26	18.0	25.2	21.7	84.7	.4	0.0	.4	1.3
27	17.6	27.4	21.4	77.3	15.8	9.2	25.0	2.7
28	18.7	25.0	21.0	86.3	.1	0.0	.1	3.4
29	17.6	25.2	20.7	89.3	28.3	0.0	28.3	2.5
30	18.8	23.8	21.0	86.0	0.0	15.0	15.0	.6
31	18.2	25.0	22.0	83.7	2.9	.5	3.4	2.0
Total :	17.6	26.4	21.6	80.2	145.5	134.6	280.1	113.6
Promedio :								

Abril	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.6	25.2	21.0	85.3	.3	0.0	.3	1.6
2	17.6	25.0	20.8	86.7	22.3	1.8	24.1	1.3
3	18.8	25.2	21.5	89.7	0.0	19.7	19.7	1.5
4	17.8	26.2	22.4	77.7	0.0	0.0	0.0	4.8
5	18.6	28.6	23.0	77.0	0.0	1.3	1.3	9.0
6	18.8	26.2	21.5	85.0	0.0	21.2	21.2	2.2
7	17.0	26.4	22.4	85.0	0.0	67.1	67.1	6.9
8	17.8	28.0	21.6	79.3	18.1	0.0	18.1	2.3
9	18.6	26.2	22.2	84.0	0.0	0.0	0.0	3.7
10	17.4	27.5	22.6	72.7	0.0	9.6	9.6	3.0
11	19.0	26.4	22.5	82.0	9.6	.4	10.0	1.7
12	18.8	26.0	21.5	89.7	3.7	0.0	3.7	3.7
13	18.1	26.0	20.8	81.7	3.0	.6	3.6	2.2
14	16.3	25.8	20.4	83.0	0.0	0.0	0.0	2.5
15	15.8	27.2	20.7	84.3	0.0	0.0	0.0	7.0
16	18.0	26.1	21.2	83.7	0.0	0.0	0.0	2.1
17	16.8	27.0	21.9	79.0	.5	1.2	1.7	3.9
18	17.6	26.8	22.2	81.7	.7	0.0	.7	4.8
19	18.7	25.0	20.6	88.3	2.3	1.4	3.7	2.2
20	18.5	26.2	21.6	82.0	1.9	.1	2.0	5.3
21	17.8	26.0	21.4	82.3	1.9	1.2	3.1	3.5
22	18.0	26.1	21.5	81.3	2.3	2.4	4.7	5.9
23	17.0	25.0	20.8	80.7	1.0	0.0	1.0	2.0
24	15.7	26.0	21.6	79.0	0.0	0.0	0.0	6.0
25	17.8	27.2	21.8	82.0	0.0	15.5	15.5	8.4
26	17.3	23.8	20.0	89.3	21.6	0.0	21.6	.4
27	17.3	26.0	21.0	82.7	0.0	0.0	0.0	6.8
28	16.5	24.8	20.4	89.3	2.2	0.0	2.2	2.2
29	16.4	26.0	21.1	84.7	11.1	1.3	12.4	4.9
30	17.6	25.2	20.0	87.0	4.3	0.0	4.3	.7
Total :					106.8	144.8	251.6	112.5
Promedio :	17.7	26.0	21.4	83.2				

Estación : CHAPETON  
Año : 1998

Dpto. : TOLIMA  
Mpio. : IBAGUE

Latitud : 4 ° 28'N  
Longitud : 75 ° 16'W  
Altitud : 1300 m

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	25.0	20.8	85.3	2.3	4.8	7.1	2.0
2	18.2	24.9	21.2	84.7	0.0	.2	.2	1.7
3	18.9	24.8	20.2	87.3	9.1	19.9	29.0	.8
4	19.0	23.6	20.6	89.7	.9	1.8	2.7	.5
5	18.4	22.6	20.3	87.3	1.9	0.0	1.9	0.0
6	18.8	23.6	20.8	84.0	.8	0.0	.8	.1
7	17.4	25.0	20.6	85.3	1.7	0.0	1.7	5.0
8	18.8	25.2	22.0	88.0	0.0	0.0	0.0	3.5
9	17.5	25.0	20.5	82.7	5.2	0.0	5.2	3.9
10	17.4	25.6	21.3	80.3	0.0	9.1	9.1	7.4
11	16.6	26.2	21.9	79.3	0.0	1.8	1.8	4.8
12	18.6	23.6	20.8	85.3	5.4	0.0	5.4	.2
13	15.2	27.6	22.1	73.0	0.0	0.0	0.0	8.4
14	16.4	28.6	22.0	75.3	0.0	.9	.9	9.2
15	18.4	25.0	21.4	81.7	0.0	0.0	0.0	0.0
16	17.4	28.6	22.6	73.7	0.0	0.0	0.0	6.3
17	19.3	26.0	22.5	74.3	0.0	1.3	1.3	.7
18	18.8	26.2	21.1	74.0	.6	0.0	.6	.7
19	17.7	27.3	22.0	66.7	0.0	0.0	0.0	6.9
20	16.2	30.4	22.7	61.7	0.0	0.0	0.0	10.0
21	18.9	29.1	23.2	65.3	0.0	0.0	0.0	8.7
22	18.7	29.0	23.6	59.0	0.0	.2	.2	6.8
23	18.4	27.0	22.1	72.7	0.0	0.0	0.0	.6
24	18.9	26.2	22.3	72.3	0.0	0.0	0.0	.7
25	18.8	27.6	22.8	75.3	0.0	27.9	27.9	2.7
26	18.3	24.2	20.6	82.0	1.4	13.3	14.7	1.0
27	18.1	24.8	20.7	86.7	7.5	41.6	49.1	2.4
28	17.2	23.6	19.2	85.0	12.6	10.3	22.9	1.1
29	16.0	23.0	19.8	87.3	.3	0.0	.3	0.0
30	17.3	25.0	20.8	79.3	0.0	0.0	0.0	6.2
31	17.0	26.8	20.7	81.7	0.0	12.4	12.4	3.5
Total :					49.7	145.5	195.2	
Promedio :	17.9	25.8	21.4	78.9				105.8

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.6	25.8	20.8	81.3	2.4	.6	3.0	2.0
2	17.0	26.6	21.6	78.7	0.0	35.8	35.8	8.5
3	16.9	24.2	20.1	86.3	.4	0.0	.4	3.8
4	16.8	25.2	20.8	81.0	0.0	1.4	1.4	2.0
5	18.0	24.9	21.0	80.0	0.0	0.0	0.0	1.9
6	16.0	26.7	21.7	75.7	0.0	0.0	0.0	8.7
7	18.0	25.0	20.6	83.3	5.4	0.0	5.4	1.3
8	17.9	24.3	20.0	92.3	11.7	17.4	29.1	.5
9	17.2	25.9	21.4	80.0	0.0	0.0	0.0	5.9
10	17.9	27.0	21.8	77.7	0.0	0.0	0.0	6.6
11	17.0	26.0	21.9	77.0	0.0	0.0	0.0	3.2
12	17.7	27.8	21.4	70.0	0.0	0.0	0.0	5.8
13	16.0	28.8	21.3	70.3	0.0	0.0	0.0	1.2
14	17.0	27.3	21.6	73.7	0.0	5.5	5.5	9.3
15	18.2	25.0	20.8	77.7	0.0	.2	.2	.3
16	17.0	25.2	20.5	79.7	0.0	.2	.2	2.4
17	16.7	23.0	20.2	78.7	0.0	0.0	0.0	4.1
18	17.0	26.1	21.2	77.0	0.0	0.0	0.0	8.3
19	16.7	24.6	20.4	82.3	0.0	0.0	0.0	1.1
20	16.2	25.2	20.9	77.3	0.0	0.0	0.0	1.6
21	18.0	27.0	21.6	73.0	0.0	4.3	4.3	3.9
22	18.6	23.0	20.2	77.7	0.0	11.7	11.7	1.4
23	18.0	22.6	19.6	85.3	10.2	0.0	10.2	1.6
24	16.4	26.2	22.1	73.7	0.0	0.0	0.0	7.7
25	17.4	26.4	22.1	66.0	0.0	0.0	0.0	5.2
26	17.5	27.4	22.0	71.7	0.0	1.2	1.2	7.6
27	18.8	25.0	21.2	72.7	1.9	.1	2.0	1.5
28	17.6	27.2	22.2	66.0	0.0	0.0	0.0	5.4
29	15.2	25.2	20.0	74.0	0.0	0.0	0.0	1.9
30	14.0	27.6	20.8	64.0	0.0	0.0	0.0	10.0
31								
Total :					32.0	78.4	110.4	
Promedio :	17.1	25.7	21.1	76.8				124.7

Estación : CHAPETON  
Año : 1998

Dpto. : TOLIMA  
Mpio. : IBAGUE

Latitud : 4 ° 28'N  
Longitud : 75 ° 16'W  
Altitud : 1300 m

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.0	27.2	20.7	64.7	0.0	0.0	0.0	8.5
2	15.2	26.2	20.8	74.0	0.0	.1	.1	3.7
3	17.4	26.6	21.4	73.0	0.0	4.8	4.8	3.2
4	18.2	26.4	21.1	73.7	.9	82.0	82.9	6.6
5	16.2	23.2	19.6	85.0	.1	3.9	4.0	1.2
6	16.9	25.0	20.1	78.0	.3	0.0	.3	1.6
7	17.0	23.2	19.4	90.7	11.4	.1	11.5	1.3
8	16.4	26.0	21.5	76.7	0.0	1.6	1.6	5.7
9	16.6	24.8	20.6	81.0	25.4	2.3	27.7	3.7
10	16.2	25.8	21.0	74.0	11.9	.2	12.1	1.2
11	17.4	25.2	20.8	79.7	0.0	0.0	0.0	1.0
12	17.8	27.0	21.4	68.0	0.0	0.0	0.0	6.6
13	15.0	26.8	21.1	68.7	0.0	.1	.1	6.8
14	15.8	26.4	22.0	59.0	0.0	2.4	2.4	4.8
15	16.6	26.2	20.7	68.0	0.0	0.0	0.0	5.7
16	16.8	25.6	21.2	73.3	0.0	14.0	14.0	6.1
17	17.6	24.6	20.6	78.7	.5	2.8	3.3	4.5
18	17.0	24.0	20.4	82.3	0.0	11.0	11.0	1.7
19	17.4	25.8	19.4	79.3	0.0	.7	.7	3.2
20	16.8	26.6	20.7	71.0	0.0	0.0	0.0	8.5
21	15.2	27.0	21.4	63.7	0.0	0.0	0.0	8.8
22	16.4	23.6	19.8	76.3	0.0	0.0	0.0	1.6
23	15.4	26.6	21.7	67.7	0.0	0.0	0.0	6.3
24	16.6	24.6	20.4	72.0	0.0	0.0	0.0	2.1
25	14.6	26.0	20.6	73.0	0.0	0.0	0.0	5.8
26	17.2	27.2	20.8	69.0	0.0	0.0	0.0	7.1
27	16.6	27.8	22.0	61.3	0.0	.3	.3	5.9
28	17.4	26.8	22.6	65.3	0.0	3.4	3.4	5.8
29	17.0	27.6	21.8	71.3	0.0	3.3	3.3	4.8
30	17.4	23.6	19.6	78.0	0.0	0.0	0.0	.8
31	15.0	26.8	21.9	54.3	0.0	0.0	0.0	1.3
Total :					50.5	133.0	183.5	
Promedio :	16.5	25.8	20.9	72.6				135.9

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	27.8	21.6	61.3	0.0	0.0	0.0	5.7
2	17.2	27.4	21.2	59.7	0.0	0.0	0.0	6.5
3	15.0	28.2	21.1	65.0	0.0	0.0	0.0	6.2
4	16.8	27.2	21.2	72.0	0.0	0.0	0.0	3.7
5	17.4	28.0	21.8	71.0	0.0	26.9	26.9	5.9
6	16.6	23.6	19.8	81.0	0.0	6.7	6.7	.4
7	16.0	25.4	20.3	73.3	.7	15.0	15.7	2.5
8	16.2	24.4	19.6	79.7	0.0	0.0	0.0	5.2
9	13.4	26.8	19.7	77.3	0.0	0.0	0.0	9.4
10	15.8	25.4	20.5	77.3	0.0	30.4	30.4	2.8
11	16.0	26.8	21.0	71.3	0.0	0.0	0.0	6.9
12	15.6	25.6	20.3	65.0	0.0	0.0	0.0	3.0
13	15.2	26.0	20.6	68.0	0.0	0.0	0.0	4.6
14	16.4	28.2	21.8	66.7	0.0	.3	.3	9.0
15	17.8	24.4	20.4	79.7	.6	4.4	5.0	.5
16	15.8	26.6	20.2	70.3	0.0	0.0	0.0	3.3
17	15.4	26.9	21.6	62.3	0.0	0.0	0.0	2.1
18	15.8	28.0	21.5	71.0	0.0	0.0	0.0	10.1
19	16.6	26.8	20.8	75.0	.2	3.5	3.7	3.7
20	16.8	24.2	20.6	79.0	3.6	3.8	7.4	4.0
21	16.6	25.2	21.3	74.0	0.0	0.0	0.0	7.4
22	18.2	27.0	22.6	62.7	0.0	0.0	0.0	5.8
23	17.4	28.0	21.5	68.3	0.0	0.0	0.0	8.0
24	15.4	28.8	21.9	65.7	0.0	8.5	8.5	9.7
25	17.2	26.2	22.0	76.7	3.9	0.0	3.9	3.4
26	17.4	26.8	21.4	72.0	0.0	13.4	13.4	3.3
27	17.8	26.0	20.4	78.7	1.4	0.0	1.4	3.2
28	16.2	28.2	21.9	65.7	0.0	0.0	0.0	8.4
29	14.6	27.8	20.8	68.7	0.0	0.0	0.0	6.2
30	17.2	26.0	21.9	64.0	0.0	0.0	0.0	2.9
31	16.8	26.5	20.6	58.7	0.0	0.0	0.0	.3
Total :					10.4	112.9	123.3	
Promedio :	16.3	26.6	21.0	70.4				154.1

Estación : CHAPETON  
Año : 1998

Dpto. : TOLIMA  
Mpio. : IBAGUE

Latitud : 4 ° 28'N  
Longitud : 75 ° 16'W  
Altitud : 1300 m

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.9	27.2	21.4	62.3	0.0	0.0	0.0	4.9
2	15.0	27.8	21.3	66.3	0.0	0.0	0.0	7.5
3	17.6	26.4	21.0	65.0	0.0	5.9	5.9	1.3
4	17.4	27.2	21.4	68.3	0.0	1.6	1.6	6.8
5	16.4	26.9	21.2	70.7	0.0	0.0	0.0	5.8
6	15.4	28.9	22.5	59.0	0.0	0.0	0.0	8.8
7	17.0	28.0	21.5	68.7	0.0	7.0	7.0	7.3
8	17.6	24.9	20.6	74.0	3.9	.6	4.5	1.5
9	17.4	25.2	20.4	84.7	2.3	23.3	25.6	5.4
10	16.6	26.1	20.8	78.3	1.1	16.2	17.3	4.3
11	16.6	24.6	20.5	81.7	0.0	0.0	0.0	3.7
12	15.9	23.6	17.7	91.3	5.7	1.2	6.9	2.2
13	15.6	25.2	20.6	81.0	0.0	32.0	32.0	6.6
14	16.0	26.0	19.3	81.7	.1	6.0	6.1	3.9
15	16.8	25.4	20.2	80.3	1.6	0.0	1.6	1.9
16	16.9	27.0	20.8	75.7	0.0	0.0	0.0	7.8
17	16.2	27.8	21.2	77.3	0.0	.2	.2	7.8
18	17.4	25.2	21.2	80.0	7.2	21.4	28.6	5.8
19	17.2	24.4	19.8	86.7	2.4	0.0	2.4	5.5
20	16.4	25.1	20.2	76.7	11.5	0.0	11.5	3.8
21	16.7	25.0	20.8	80.3	0.0	26.5	26.5	3.2
22	16.8	26.0	21.0	74.0	0.0	6.0	6.0	7.6
23	17.0	25.0	20.6	73.3	0.0	1.0	1.0	1.5
24	16.2	25.2	20.4	72.7	0.0	0.0	0.0	2.6
25	15.0	25.0	20.3	76.0	0.0	9.6	9.6	4.0
26	16.7	25.7	20.6	82.7	10.5	3.0	13.5	4.4
27	17.1	26.0	20.6	81.7	.5	0.0	.5	4.8
28	16.0	26.2	20.5	84.0	1.8	0.0	1.8	8.3
29	15.8	27.0	21.0	79.3	0.0	12.9	12.9	8.7
30	17.2	28.0	20.7	74.3	.4	0.0	.4	6.5
31								
Total :	—	—	—	—	49.0	174.4	223.4	154.2
Promedio :	16.5	26.1	20.7	76.3				
Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	27.8	21.8	64.0	0.0	0.0	0.0	5.6
2	16.8	27.2	21.0	67.0	0.0	0.0	0.0	3.5
3	16.0	28.2	20.8	69.0	0.0	0.0	0.0	7.1
4	16.8	27.8	21.2	74.7	0.0	2.5	2.5	7.3
5	17.0	26.2	21.0	79.0	0.0	5.5	5.5	4.9
6	18.0	25.2	20.8	84.3	4.1	5.5	9.6	4.1
7	16.2	24.8	20.4	83.0	10.5	0.0	10.5	3.4
8	17.0	26.7	21.5	80.0	0.0	0.0	0.0	5.5
9	18.8	25.8	22.0	82.0	1.9	0.0	1.9	1.1
10	15.8	29.8	22.0	57.7	0.0	0.0	0.0	6.8
11	16.8	28.8	23.0	65.0	0.0	0.0	0.0	7.7
12	16.0	28.0	21.8	75.0	0.0	0.0	0.0	9.3
13	17.4	26.1	20.6	82.3	0.0	0.0	0.0	6.2
14	16.8	27.4	20.8	79.3	0.0	0.0	0.0	7.9
15	17.0	27.1	21.2	79.7	0.0	3.8	3.8	3.8
16	16.9	24.9	21.0	88.3	0.0	0.0	0.0	.9
17	18.8	27.0	22.2	79.0	0.0	1.3	1.3	6.4
18	17.2	25.6	20.6	86.3	.3	13.6	13.9	4.6
19	17.8	22.8	19.2	92.0	0.0	1.9	1.9	.4
20	16.8	25.0	20.3	86.0	7.2	.1	7.3	4.4
21	17.0	26.0	21.1	84.0	0.0	38.6	38.6	3.5
22	16.6	26.1	19.6	82.3	39.6	.5	40.1	2.7
23	16.0	26.6	21.1	80.0	.6	14.8	15.4	3.7
24	16.6	24.1	20.4	84.0	0.0	32.0	32.0	5.0
25	17.2	23.2	19.9	89.0	.5	11.0	11.5	1.5
26	17.0	25.8	20.6	85.7	0.0	0.0	0.0	8.0
27	15.5	25.9	19.5	84.0	23.6	.3	23.9	7.1
28	16.8	24.2	20.3	90.0	.4	1.4	1.8	3.9
29	16.9	23.2	19.7	86.3	1.5	3.1	4.6	.8
30	17.7	25.9	20.8	83.3	.3	0.0	.3	1.9
31	17.6	25.2	19.8	87.7	29.6	0.0	29.6	1.9
Total :	—	—	—	—	120.1	135.9	256.0	140.9
Promedio :	16.9	26.1	20.8	80.3				

Estación : CHAPETON  
Año : 1998

Dpto. : TOLIMA  
Mpio. : IBAGUE

Latitud : 4 ° 28' N  
Longitud : 75 ° 16' W  
Altitud : 1300 m

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.4	26.9	21.8	78.0	0.0	0.0	0.0	7.9
2	16.8	26.2	21.6	80.0	0.0	0.0	0.0	8.5
3	17.1	25.8	20.8	85.0	2.7	0.0	2.7	4.4
4	16.4	23.1	19.6	88.0	4.1	10.0	14.1	1.6
5	16.8	23.8	20.0	90.0	0.0	10.8	10.8	3.7
6	17.2	22.6	18.8	95.7	5.9	0.0	5.9	.9
7	15.8	24.1	19.7	87.0	0.0	0.0	0.0	.5
8	17.0	24.0	19.5	88.3	0.0	19.0	19.0	2.1
9	16.0	25.4	20.6	83.3	0.0	28.6	28.6	5.6
10	17.2	24.9	20.2	85.0	0.0	0.0	0.0	7.0
11	16.6	24.8	20.4	83.7	0.0	0.0	0.0	5.0
12	17.2	25.2	21.6	78.3	6.0	9.0	15.0	4.4
13	16.8	23.8	19.8	88.3	.3	.3	.6	2.3
14	17.9	24.1	20.0	89.0	2.2	0.0	2.2	1.9
15	16.0	24.9	19.6	88.0	9.0	0.0	9.0	2.6
16	17.8	26.1	20.8	85.0	.9	0.0	.9	4.6
17	17.2	25.1	21.2	80.7	2.6	0.0	2.6	3.0
18	15.8	25.0	19.5	86.3	27.0	.2	27.2	2.2
19	15.0	25.1	20.2	85.0	0.0	0.0	0.0	5.5
20	17.1	23.8	19.8	86.3	16.0	0.0	16.0	2.0
21	15.0	24.9	19.7	91.3	3.5	0.0	3.5	4.2
22	18.0	21.2	19.0	94.7	3.8	0.0	3.8	0.0
23	16.4	24.0	20.2	86.0	0.0	2.1	2.1	3.6
24	17.8	22.8	19.8	88.3	1.2	.5	1.7	.3
25	16.0	23.2	19.7	85.0	0.0	0.0	0.0	2.9
26	17.2	23.0	20.4	85.3	0.0	.8	.8	.4
27	18.0	24.7	20.1	93.7	.2	25.2	25.4	1.8
28	17.5	22.8	18.9	96.7	24.3	.8	25.1	1.0
29	17.8	22.9	19.8	87.7	1.1	3.8	4.9	1.0
30	16.0	24.0	19.6	91.7	1.3	18.6	19.9	3.4
31								
Total :					112.1	129.7	241.8	94.3
Promedio :	16.8	24.3	20.1	87.0				

Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	24.9	20.2	87.0	.3	0.0	.3	4.3
2	16.7	23.4	20.1	87.3	10.0	1.0	11.0	2.7
3	17.0	24.0	20.2	88.3	2.0	29.7	31.7	2.3
4	17.9	23.2	19.8	86.0	.8	0.0	.8	1.6
5	15.8	25.8	20.2	91.0	7.0	.2	7.2	6.0
6	17.0	23.2	20.8	77.0	.3	2.1	2.4	2.3
7	16.7	23.8	19.2	91.7	0.0	0.0	0.0	1.5
8	18.4	23.3	20.0	83.3	0.0	0.0	0.0	5.8
9	15.8	23.4	18.9	88.3	11.5	3.3	14.8	4.4
10	16.0	23.2	19.6	85.3	0.0	18.6	18.6	2.7
11	17.0	22.0	18.8	91.0	8.5	12.2	20.7	1.3
12	16.0	24.2	19.5	87.0	4.7	10.9	15.6	2.7
13	17.2	24.0	19.4	82.3	2.4	0.0	2.4	1.2
14	18.0	26.0	20.6	78.3	0.0	11.1	11.1	2.9
15	17.0	24.0	19.6	80.3	10.4	0.0	10.4	3.0
16	15.0	24.8	19.4	77.7	0.0	0.0	0.0	1.3
17	15.1	23.4	19.0	81.7	0.0	0.0	0.0	.9
18	15.0	24.4	20.4	81.7	.2	5.8	6.0	6.4
19	16.2	25.2	19.4	84.0	0.0	0.0	0.0	7.5
20	14.8	25.0	19.8	73.7	0.0	0.0	0.0	7.4
21	15.5	24.8	19.4	87.3	0.0	3.6	3.6	4.8
22	16.0	23.4	19.4	84.7	3.3	0.0	3.3	3.9
23	15.0	23.4	19.3	75.7	0.0	28.7	28.7	2.9
24	15.2	23.0	19.0	85.3	0.0	0.0	0.0	1.5
25	15.0	22.2	18.4	83.0	0.0	0.0	0.0	2.0
26	15.8	24.8	20.6	69.7	0.0	0.0	0.0	2.5
27	16.0	25.0	19.5	88.7	0.0	0.0	0.0	4.0
28	15.8	24.0	18.6	80.7	0.0	0.0	0.0	2.3
29	14.0	24.4	19.4	81.3	0.0	0.0	0.0	5.2
30	16.2	24.3	20.1	83.0	.8	11.9	12.7	4.2
31	16.0	24.4	20.2	83.3	0.0	0.0	0.0	2.3
Total :					62.2	139.1	201.3	103.8
Promedio :	16.0	24.0	19.6	83.4				

Estación : CHAPETON  
Año : 1998

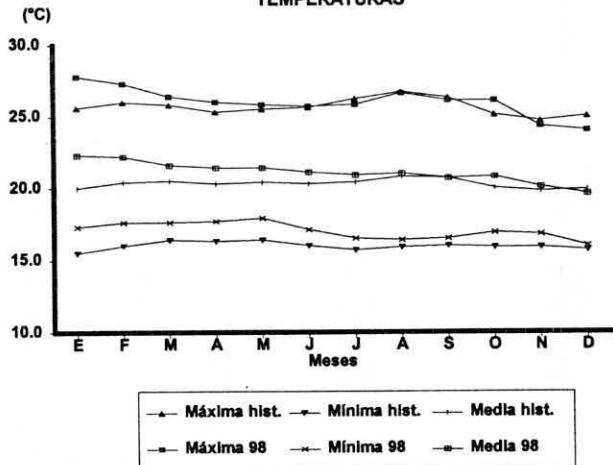
Dpto. : TOLIMA  
Mpio. : IBAGUE

Latitud : 4 ° 28' N  
Longitud : 75 ° 16' W  
Altitud : 1300 m

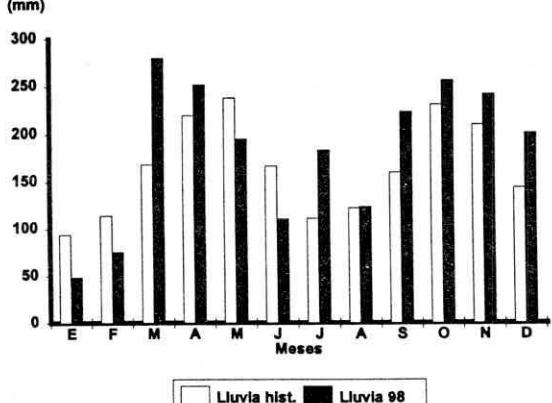
#### TEMPERATURA °C

MES	TEMPERATURA °C					PRECIPITACION			
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	17.3	27.8	22.3	30.2	13.8	75.6	48.5	13	176.5
Febrero	17.6	27.3	22.2	31.0	15.2	79.0	75.6	13	129.8
Marzo	17.6	26.4	21.6	28.8	15.7	80.2	280.1	19	113.6
Abril	17.7	26.0	21.4	28.6	15.7	83.2	251.6	23	112.5
Mayo	17.9	25.8	21.4	30.4	15.2	78.9	195.2	21	105.8
Junio	17.1	25.7	21.1	28.8	14.0	76.8	110.4	14	124.7
Julio	16.5	25.8	20.9	27.8	14.6	72.6	183.5	18	135.9
Agosto	16.4	26.6	21.0	28.8	13.4	70.4	123.3	12	154.1
Septiembre	16.5	26.1	20.7	28.9	14.9	76.3	223.4	23	154.2
Octubre	16.9	26.1	20.8	29.8	15.5	80.3	256.0	20	140.9
Noviembre	16.8	24.3	20.1	26.9	15.0	87.0	241.8	23	94.3
Diciembre	16.0	24.0	19.6	26.0	14.0	83.4	201.3	18	103.8
Promedio :	17.0	26.0	21.1			78.6			
Absoluta :				31.0	13.4				
Total :							2190.7	217	1546.1

#### TEMPERATURAS



#### LLUVIA



□ Lluvia hist. ■ Lluvia 98

Estación : EL HORIZONTE  
Año : 1998

Dpto. : TOLIMA  
Mpio. : CUNDAY

Latitud : 4 ° 4' N  
Longitud : 74 ° 36' W  
Altitud : 1270 m

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	23.9	21.6	85.3	2.4	0.0	2.4	4.7
2	18.3	28.8	21.6	72.0	0.0	0.0	0.0	7.3
3	19.3	30.0	23.5	53.3	0.0	0.0	0.0	9.6
4	19.0	31.8	24.0	55.3	0.0	0.0	0.0	5.4
5	20.2	30.1	24.4	53.7	0.0	0.0	0.0	4.7
6	19.5	30.3	23.6	65.0	0.0	0.0	0.0	3.4
7	20.2	29.4	23.0	78.7	.4	3.6	4.0	4.5
8	19.6	28.7	22.9	81.7	.1	.5	.6	6.1
9	19.5	30.2	23.2	74.3	0.0	3.2	3.2	6.1
10	19.0	29.7	22.7	79.0	0.0	.3	.3	2.0
11	19.1	28.4	23.4	72.7	0.0	.2	.2	.8
12	20.5	27.3	22.7	78.7	15.7	1.0	16.7	5.2
13	19.1	29.2	23.8	69.7	.6	0.0	.6	5.6
14	19.8	29.4	23.3	75.7	0.0	0.0	0.0	5.2
15	20.0	30.8	23.8	69.3	0.0	0.0	0.0	7.7
16	20.9	32.0	25.4	63.3	0.0	3.8	3.8	4.8
17	19.9	28.3	23.4	74.7	0.0	0.0	0.0	6.2
18	19.8	31.0	24.2	71.0	0.0	13.6	13.6	6.6
19	19.5	30.1	23.2	80.3	0.0	0.0	0.0	.6
20	19.3	25.2	21.5	85.7	0.0	0.0	0.0	7.1
21	18.2	30.0	23.6	66.0	0.0	0.0	0.0	6.0
22	20.9	31.2	25.0	62.3	0.0	0.0	0.0	7.4
23	20.0	32.5	24.9	67.3	0.0	0.0	0.0	7.6
24	20.1	32.0	24.7	61.7	0.0	0.0	0.0	8.6
25	18.9	32.7	24.0	65.3	0.0	0.0	0.0	7.4
26	19.0	30.1	23.8	64.3	0.0	0.0	0.0	4.5
27	20.9	31.8	25.5	64.3	0.0	0.0	0.0	1.4
28	19.3	27.4	22.7	83.3	0.0	0.0	0.0	3.5
29	18.5	31.6	23.0	75.7	0.0	11.7	11.7	4.4
30	20.0	30.5	24.6	68.3	0.0	0.0	0.0	2.7
31	19.9	30.4	24.1	76.0	0.0	0.0	0.0	5.1
Total :					19.2	37.9	57.1	162.0
Promedio :	19.6	29.8	23.6	70.8				

Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	20.5	30.0	24.9	66.3	.1	0.0	.1	6.9
2	21.3	32.3	26.0	55.3	0.0	0.0	0.0	8.1
3	21.8	33.5	25.9	54.0	0.0	0.0	0.0	2.3
4	21.0	30.0	23.9	83.0	3.0	0.0	3.0	3.0
5	20.2	31.0	24.5	70.7	0.0	.2	.2	.1
6	19.4	26.9	22.8	82.0	.1	0.0	.1	4.2
7	20.5	31.1	24.3	67.7	.2	1.5	1.7	0.0
8	18.2	23.2	20.0	96.0	4.0	.1	4.1	0.0
9	18.5	21.5	19.7	95.0	6.2	18.7	24.9	0.0
10	17.5	21.0	19.1	93.0	2.6	.4	3.0	0.0
11	17.8	23.7	20.6	91.0	.2	0.0	.2	0.0
12	19.8	24.8	21.3	90.7	1.7	0.0	1.7	.3
13	19.5	29.2	24.4	70.0	0.0	.7	.7	4.2
14	20.5	31.3	24.8	73.0	0.0	0.0	0.0	1.0
15	20.0	27.1	22.5	86.0	1.9	0.0	1.9	9.6
16	18.9	33.0	26.0	54.0	0.0	0.0	0.0	9.9
17	21.0	34.5	27.3	51.0	0.0	0.0	0.0	8.4
18	21.8	33.0	26.1	56.3	0.0	0.0	0.0	5.2
19	21.9	31.0	25.4	74.3	0.0	0.0	0.0	2.8
20	20.6	30.0	24.2	80.7	0.0	2.1	2.1	2.7
21	21.9	29.2	24.8	81.0	0.0	0.0	0.0	4.5
22	20.5	32.2	24.5	82.3	0.0	7.2	7.2	1.9
23	21.0	28.0	23.8	81.0	0.0	0.0	0.0	3.3
24	20.8	28.8	23.2	87.3	4.1	0.0	4.1	2.6
25	21.0	30.8	24.0	84.7	0.0	0.0	0.0	8.3
26	20.9	32.0	24.5	76.3	0.0	0.0	0.0	3.2
27	20.8	31.6	24.8	78.0	0.0	0.0	0.0	4.7
28	20.4	31.4	24.8	70.0	0.0	0.0	0.0	3.5
29								
30								
31								
Total :					24.1	30.9	55.0	100.7
Promedio :	20.3	29.4	23.9	76.1				

Estación : EL HORIZONTE  
Año : 1998

Dpto. : TOLIMA  
Mpio. : CUNDAY

Latitud : 4 ° 4' N  
Longitud : 74 ° 36' W  
Altitud : 1270 m

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	20.8	31.2	25.0	78.0	0.0	0.0	0.0	.3
2	21.0	27.0	22.5	89.0	.6	0.0	.6	.9
3	20.0	27.9	22.8	82.3	0.0	0.0	0.0	4.9
4	20.8	30.7	24.4	75.3	0.0	0.0	0.0	4.8
5	21.9	30.5	24.6	68.3	0.0	.2	.2	1.8
6	21.3	30.0	24.2	79.7	0.0	0.0	0.0	2.2
7	21.2	29.6	24.7	76.3	.4	0.0	.4	1.5
8	21.0	28.8	23.6	81.3	8.2	0.0	8.2	3.4
9	21.9	31.6	24.5	76.3	.8	0.0	.8	6.0
10	21.3	32.1	25.8	70.7	0.0	0.0	0.0	3.0
11	21.5	32.0	24.8	72.7	0.0	1.1	1.1	3.2
12	21.7	30.0	24.4	82.3	3.2	20.8	24.0	5.6
13	20.1	31.8	24.2	78.3	0.0	0.0	0.0	7.0
14	21.1	33.0	26.0	65.3	0.0	0.0	0.0	1.2
15	20.9	29.5	24.6	71.3	0.0	0.0	0.0	3.0
16	21.2	29.6	25.1	75.3	0.0	0.0	0.0	3.8
17	21.0	31.2	25.4	76.0	0.0	0.0	0.0	5.1
18	21.8	33.2	25.8	70.0	0.0	0.0	0.0	3.0
19	22.2	32.0	26.3	73.3	0.0	0.0	0.0	0.0
20	22.5	27.8	23.5	77.3	1.6	2.4	4.0	1.0
21	20.3	29.0	24.2	80.7	0.0	0.0	0.0	5.4
22	21.2	33.8	26.1	67.3	0.0	.1	.1	.3
23	21.8	28.4	23.8	84.7	.8	1.1	1.9	1.8
24	21.0	28.6	22.6	88.3	2.1	0.0	2.1	1.5
25	20.9	29.0	24.5	74.3	3.7	28.3	30.0	.7
26	21.8	28.0	24.4	75.7	6.5	0.0	6.5	5.8
27	21.5	32.4	26.0	64.3	0.0	.5	.5	1.4
28	20.2	29.0	23.7	78.7	.8	.2	1.0	.9
29	20.2	26.8	23.7	87.3	2.7	36.7	39.4	.5
30	20.0	26.7	22.4	92.7	19.0	4.0	23.0	.4
31	21.0	27.5	23.2	86.0	25.2	18.2	43.4	0.0
Total :		21.1	29.9	24.4		75.6	111.6	187.2
Promedio :				77.4				80.2

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	21.0	27.0	23.2	82.3	.4	3.4	3.8	1.5
2	21.8	28.9	23.8	78.3	6.0	1.3	7.3	2.6
3	21.0	30.5	23.8	84.0	2.3	71.7	74.0	2.2
4	19.9	29.2	23.8	84.0	.9	.5	1.4	.4
5	20.8	31.3	26.2	71.7	18.0	10.1	28.1	5.1
6	21.6	27.2	24.0	85.7	1.9	2.2	4.1	4.2
7	21.0	30.0	23.8	86.7	7.7	1.5	9.2	1.4
8	20.8	28.6	22.9	87.0	.5	0.0	.5	.8
9	21.4	28.2	24.4	80.0	0.0	0.0	0.0	3.7
10	21.8	31.0	25.8	74.7	0.0	0.0	0.0	1.6
11	22.0	29.0	25.0	81.3	1.8	2.2	3.8	2.6
12	20.9	30.3	23.9	87.3	2.5	.1	2.6	.5
13	21.2	27.1	22.7	87.7	3.3	1.8	5.1	.5
14	20.8	25.8	22.8	87.0	.8	0.0	.8	7.3
15	21.0	32.5	25.5	71.7	.5	.3	.8	.2
16	22.0	27.0	23.7	86.7	0.0	0.0	0.0	1.4
17	21.0	29.1	24.5	81.0	.7	.4	1.1	.9
18	22.0	29.1	24.2	82.0	1.2	2.3	3.5	0.0
19	20.8	25.0	22.4	91.3	5.6	2.0	7.6	1.3
20	20.4	29.8	23.7	82.3	15.7	1.3	17.0	.8
21	21.4	27.2	23.6	84.0	2.3	.1	2.4	.1
22	21.0	25.9	23.4	88.0	23.6	0.0	23.6	1.1
23	21.1	29.9	23.5	83.7	8.2	0.0	8.2	3.9
24	20.8	30.8	24.8	71.7	0.0	0.0	0.0	5.4
25	20.2	30.0	24.9	75.7	0.0	.6	.6	.4
26	20.1	28.5	23.3	88.0	.8	0.0	.8	2.6
27	20.9	30.0	24.4	77.3	.3	0.0	.3	1.4
28	21.3	28.1	24.0	82.0	0.0	0.0	0.0	1.7
29	20.0	27.5	23.7	85.7	1.7	.4	2.1	2.9
30	21.3	29.2	23.3	87.7	1.0	0.0	1.0	.8
31								
Total :					107.5	102.2	209.7	59.3
Promedio :	21.0	28.8	24.0	82.6				

Estación : EL HORIZONTE  
Año : 1998

Dpto. : TOLIMA  
Mpio. : CUNDAY

Latitud : 4 ° 4' N  
Longitud : 74 ° 36' W  
Altitud : 1270 m

Mayo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	21.0	27.8	23.8	82.7	14.1	34.7	48.8	0.0
2	19.1	24.2	21.7	93.0	0.0	.4	.4	.1
3	20.0	26.2	22.2	86.0	14.6	6.7	21.3	0.0
4	19.5	24.7	21.2	94.0	10.1	.1	10.2	1.9
5	20.0	28.3	22.1	92.7	6.6	13.8	20.4	.2
6	19.9	23.5	21.2	94.7	4.1	0.0	4.1	5.1
7	19.6	28.8	23.8	78.3	5.0	17.3	22.3	3.8
8	19.8	28.2	23.3	81.7	.7	5.4	6.1	.6
9	19.2	26.0	22.3	89.3	47.4	0.0	47.4	2.2
10	20.0	26.8	22.9	87.0	0.0	0.0	0.0	1.7
11	21.0	28.0	24.4	78.0	0.0	1.5	1.5	.5
12	19.8	26.7	22.0	86.7	.8	0.0	.8	7.8
13	19.2	30.8	24.5	75.7	0.0	0.0	0.0	6.9
14	21.2	32.1	25.2	78.0	0.0	4.3	4.3	.3
15	20.0	25.8	22.2	81.0	.5	0.0	.5	6.6
16	20.1	32.0	24.8	74.3	0.0	0.0	0.0	1.2
17	21.6	27.2	23.1	80.7	6.3	1.2	7.5	1.0
18	20.0	26.4	23.1	71.3	0.0	0.0	0.0	4.2
19	20.7	30.8	25.0	62.0	0.0	0.0	0.0	8.3
20	20.0	32.4	26.2	58.7	0.0	0.0	0.0	8.6
21	21.7	32.6	26.6	56.0	0.0	0.0	0.0	4.3
22	21.2	30.1	25.0	68.3	0.0	0.0	0.0	.6
23	22.0	27.3	24.0	72.0	.2	0.0	.2	1.5
24	21.7	28.4	24.4	74.0	1.2	0.0	1.2	2.1
25	20.9	29.4	25.3	67.0	0.0	2.3	2.3	.1
26	21.0	26.8	22.7	90.3	2.7	0.0	2.7	2.0
27	20.3	28.1	22.0	95.3	5.9	54.3	60.2	.1
28	19.0	25.2	21.0	89.0	8.0	7.5	15.5	.1
29	18.9	24.7	21.2	86.3	.3	0.0	.3	.4
30	19.0	27.5	22.7	84.7	0.0	6.8	6.8	5.5
31	20.2	31.8	23.4	80.7	.5	.1	.6	.9
Total :		28.0	23.3	80.3	129.0	156.4	285.4	78.6
Promedio :	20.2	28.0	23.3	80.3				
Junio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	21.2	27.8	22.6	82.0	3.7	0.0	3.7	4.5
2	20.2	30.2	24.2	73.3	0.0	0.0	0.0	.1
3	19.3	24.8	21.4	86.0	8.9	0.0	8.9	2.0
4	19.0	27.2	22.6	74.3	0.0	.6	.6	1.4
5	20.2	27.0	22.2	79.3	.1	0.0	.1	7.2
6	19.2	30.2	23.9	66.0	0.0	0.0	0.0	1.0
7	20.8	27.9	22.5	79.7	2.6	0.0	2.6	1.3
8	20.5	26.2	23.0	80.3	2.9	0.0	2.9	2.6
9	21.0	29.4	23.5	77.3	0.0	0.0	0.0	4.0
10	21.3	31.8	24.5	78.3	0.0	0.0	0.0	5.2
11	20.2	30.6	25.4	71.0	0.0	.7	.7	5.8
12	20.0	31.0	24.8	66.0	0.0	0.0	0.0	10.7
13	20.0	32.8	25.9	55.0	0.0	0.0	0.0	7.3
14	21.2	31.0	25.8	64.0	0.0	1.3	1.3	0.0
15	19.7	22.0	20.2	90.3	5.9	0.0	5.9	3.0
16	18.8	27.8	22.9	69.3	4.1	0.0	4.1	1.9
17	18.7	26.1	22.4	77.3	0.0	0.0	0.0	5.6
18	19.2	29.4	23.4	76.3	0.0	.1	.1	1.2
19	20.2	25.6	21.2	90.0	3.0	0.0	3.0	2.8
20	19.5	28.8	21.8	87.3	.9	0.0	.9	3.7
21	20.0	29.0	24.0	65.7	0.0	2.1	2.1	3.6
22	18.9	29.8	23.0	72.7	.4	.2	.6	.4
23	20.2	23.6	21.4	76.7	8.4	0.0	8.4	2.9
24	19.0	27.0	23.0	66.3	0.0	0.0	0.0	4.0
25	20.2	30.2	24.4	65.3	0.0	0.0	0.0	4.3
26	20.8	30.1	23.4	72.7	0.0	0.0	0.0	1.4
27	20.1	26.3	21.5	83.0	1.3	0.0	1.3	9.6
28	18.8	26.8	22.2	80.3	1.6	0.0	1.6	3.7
29	18.4	29.2	23.9	69.3	0.0	0.0	0.0	2.2
30	19.0	32.2	24.5	56.0	0.0	0.0	0.0	2.3
31								
Total :		28.4	23.2	74.4	43.8	5.0	48.8	105.7
Promedio :	19.9	28.4	23.2	74.4				

Estación : EL HORIZONTE  
Año : 1998

Dpto. : TOLIMA  
Mpio. : CUNDAY

Latitud : 4 ° 4' N  
Longitud : 74 ° 36' W  
Altitud : 1270 m

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	20.8	31.4	24.3	57.3	0.0	0.0	0.0	6.5
2	20.2	28.1	22.3	73.0	.1	0.0	.1	1.4
3	19.9	30.1	24.0	64.7	.2	0.0	.2	3.9
4	20.0	29.3	24.2	62.3	0.0	0.0	0.0	2.7
5	19.4	22.2	20.4	87.3	18.5	.5	19.0	0.0
6	20.0	25.7	21.9	73.0	.5	0.0	.5	1.7
7	18.0	24.0	20.5	79.0	.7	0.0	.7	1.6
8	19.0	30.0	23.1	71.0	0.0	1.9	1.9	4.6
9	17.9	24.0	20.5	93.7	1.1	1.2	2.3	.4
10	18.0	27.3	21.4	80.7	.7	0.0	.7	2.0
11	19.0	26.0	21.4	75.0	0.0	0.0	0.0	3.0
12	19.2	27.0	22.6	69.0	0.0	0.0	0.0	5.0
13	18.2	28.2	22.6	59.3	1.5	0.0	1.5	6.1
14	18.0	29.0	23.3	52.3	0.0	0.0	0.0	5.7
15	20.0	26.8	22.3	58.7	.1	.1	.2	2.4
16	19.5	29.8	22.8	70.0	.6	.8	1.4	4.5
17	18.3	27.2	20.9	89.0	1.0	3.8	4.8	1.4
18	18.0	28.0	22.0	77.7	0.0	12.7	12.7	2.5
19	17.5	23.3	19.6	88.0	7.9	0.0	7.9	.6
20	18.8	29.2	22.8	65.7	0.0	0.0	0.0	7.7
21	17.9	30.3	23.3	58.7	0.0	.1	.1	7.2
22	18.3	23.8	19.7	84.3	4.6	0.0	4.6	1.4
23	18.1	27.6	22.3	70.7	.5	1.6	2.1	4.1
24	18.2	27.2	21.7	75.3	0.0	0.0	0.0	3.5
25	19.0	28.0	22.0	70.3	.2	0.0	.2	5.3
26	19.2	30.0	22.9	61.7	0.0	0.0	0.0	5.0
27	19.0	29.9	24.7	55.0	0.0	1.2	1.2	5.5
28	19.4	26.8	23.7	66.0	.6	3.3	3.9	3.0
29	19.2	28.0	23.6	63.3	0.0	.6	.6	3.9
30	18.7	24.2	20.3	82.7	2.5	0.0	2.5	.6
31	18.2	29.4	23.6	52.3	0.0	0.0	0.0	4.9
Total :	18.9	27.5	22.3	70.5	41.3	27.8	69.1	108.1
Promedio :	18.9	27.5	22.3	70.5				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.8	28.7	22.9	70.3	0.0	0.0	0.0	2.4
2	20.2	30.5	24.3	57.7	0.0	0.0	0.0	5.8
3	19.7	30.8	24.9	56.3	0.0	0.0	0.0	6.5
4	20.8	28.0	23.8	61.7	0.0	.2	.2	1.6
5	19.7	30.0	24.5	66.0	0.0	0.0	0.0	2.8
6	18.6	24.8	20.2	83.0	3.2	0.0	3.2	.6
7	18.2	29.3	22.6	73.3	0.0	3.1	3.1	1.7
8	18.2	27.6	21.5	83.0	.2	0.0	.2	4.3
9	17.8	28.8	23.6	67.3	0.0	0.0	0.0	7.4
10	20.0	28.4	23.5	70.3	0.0	2.5	2.5	2.0
11	18.0	29.0	23.5	71.3	0.0	0.0	0.0	4.0
12	19.4	26.4	22.4	73.0	0.0	0.0	0.0	.7
13	19.8	27.8	22.2	71.7	.6	0.0	.6	2.2
14	19.2	31.5	23.8	59.3	0.0	19.3	19.3	5.7
15	18.0	25.0	20.4	78.3	1.7	0.0	1.7	.7
16	17.8	28.6	23.0	57.3	.2	0.0	.2	5.3
17	19.0	29.8	23.2	63.0	0.0	0.0	0.0	2.9
18	18.4	31.8	23.6	56.0	0.0	0.0	0.0	7.9
19	17.3	27.0	22.2	86.3	41.6	.1	41.7	2.5
20	18.2	27.0	21.8	84.7	3.8	7.6	11.4	2.2
21	18.6	25.9	22.4	82.0	3.1	3.2	6.3	1.5
22	18.0	27.6	23.0	69.0	0.0	0.0	0.0	5.1
23	19.4	27.8	23.7	58.0	.5	0.0	.5	6.0
24	19.6	31.0	25.2	58.0	0.0	28.5	28.5	9.8
25	17.8	25.5	21.4	79.3	.8	0.0	.8	2.4
26	19.4	26.6	23.4	68.7	0.0	0.0	0.0	.6
27	19.0	27.0	22.5	78.3	1.2	0.0	1.2	3.1
28	18.8	29.2	23.3	65.0	0.0	0.0	0.0	5.5
29	19.0	29.6	24.2	57.7	0.0	.5	.5	7.9
30	19.4	27.2	22.2	83.7	1.6	0.0	1.6	2.9
31	19.0	26.2	22.5	63.3	0.0	0.0	0.0	2.0
Total :	18.9	28.2	23.0	69.4	58.5	65.0	123.5	116.0
Promedio :	18.9	28.2	23.0	69.4				

Estación : EL HORIZONTE  
Año : 1998

Dpto. : TOLIMA  
Mpio. : CUNDAY

Latitud : 4 ° 4' N  
Longitud : 74 ° 36' W  
Altitud : 1270 m

Septiembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.8	28.8	24.6	63.3	0.0	0.0	0.0	1.6
2	18.7	28.2	23.5	70.7	.1	0.0	.1	2.7
3	20.0	26.0	22.2	70.0	6.4	0.0	6.4	.4
4	19.0	28.4	22.7	75.0	1.2	0.0	1.2	3.8
5	19.4	27.2	22.4	73.3	3.8	0.0	3.8	3.9
6	19.8	31.4	24.6	62.3	0.0	0.0	0.0	8.8
7	20.0	31.9	24.6	63.0	0.0	0.0	0.0	7.8
8	19.0	25.0	20.1	92.0	5.2	0.0	5.2	4.0
9	18.9	28.9	22.6	75.0	.3	0.0	.3	3.3
10	19.4	29.2	23.0	78.0	0.0	0.0	0.0	4.3
11	19.2	28.7	23.0	74.0	0.0	0.0	0.0	1.8
12	18.0	25.0	20.1	82.7	8.9	0.0	8.9	2.2
13	17.2	28.0	21.2	80.3	2.3	.5	2.8	3.3
14	19.0	27.2	22.2	68.7	0.0	3.9	3.9	1.6
15	18.2	28.1	21.7	80.7	.8	0.0	.8	2.5
16	19.6	30.0	23.3	62.0	2.3	0.0	2.3	5.5
17	19.0	31.5	24.8	57.7	1.5	0.0	1.5	6.0
18	19.6	28.0	22.9	78.7	0.0	18.3	18.3	3.9
19	16.3	26.0	20.9	82.0	0.0	0.0	0.0	2.3
20	18.5	28.4	22.8	74.0	.1	1.8	1.9	1.8
21	18.4	29.9	22.5	71.3	4.6	0.0	4.6	5.2
22	18.8	28.7	22.9	74.0	.8	3.1	3.9	3.8
23	18.2	24.0	21.8	80.3	8.1	0.0	8.1	.2
24	18.8	28.2	22.2	74.3	1.0	0.0	1.0	2.0
25	18.2	29.2	22.5	71.7	.1	0.0	.1	1.2
26	19.2	26.9	21.6	81.0	2.4	0.0	2.4	1.8
27	18.5	28.9	22.3	81.3	2.7	0.0	2.7	2.5
28	18.0	30.0	23.2	78.3	.8	0.0	.8	5.3
29	19.0	30.1	23.8	72.7	0.0	0.0	0.0	5.7
30	20.0	29.0	23.0	71.7	.1	0.0	.1	3.8
31								
Total :	—	—	—	—	53.3	27.6	80.9	103.0
Promedio :	18.8	28.3	22.6	74.0				

Octubre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	21.0	27.5	24.4	58.0	1.0	0.0	1.0	4.1
2	18.7	29.9	22.8	64.7	0.0	0.0	0.0	2.6
3	19.0	29.1	24.6	58.7	2.5	0.0	2.5	5.4
4	18.9	30.0	24.0	67.0	0.0	0.0	0.0	5.7
5	18.8	26.4	22.9	75.7	0.0	0.0	0.0	.7
6	19.0	26.2	22.0	82.3	1.3	0.0	1.3	1.0
7	18.0	27.0	21.6	82.3	7.6	.8	8.2	1.9
8	18.4	26.8	23.6	66.7	1.4	.2	1.6	4.0
9	20.0	26.4	22.1	78.3	0.0	0.0	0.0	.7
10	19.0	31.8	25.0	55.3	0.0	0.0	0.0	9.5
11	20.2	31.9	25.5	52.3	0.0	2.0	2.0	9.5
12	20.0	29.2	22.8	76.7	3.3	0.0	3.3	4.9
13	17.5	26.0	22.2	78.3	2.7	0.0	2.7	.7
14	17.0	30.2	22.8	71.0	0.0	31.0	31.0	8.6
15	17.0	28.2	22.2	78.3	0.0	2.8	2.8	3.9
16	17.4	27.0	21.9	80.7	.7	0.0	.7	4.5
17	19.0	28.7	22.6	79.3	0.0	9.5	9.5	5.2
18	17.0	29.2	22.8	79.3	0.0	37.5	37.5	5.5
19	18.0	24.8	20.9	89.3	22.8	0.0	22.8	.7
20	18.2	27.8	22.2	81.0	3.5	1.1	4.6	3.4
21	19.0	25.9	20.8	77.0	3.3	.9	4.2	2.6
22	17.0	25.2	20.4	79.7	2.8	.1	2.9	4.4
23	16.9	23.7	20.5	77.3	1.5	17.3	18.8	2.4
24	15.0	22.1	18.8	84.0	0.0	6.0	6.0	2.7
25	14.9	23.2	18.2	86.7	0.0	.7	.7	1.3
26	16.0	25.0	19.4	85.3	7.5	0.0	7.5	4.5
27	17.0	26.3	21.2	76.3	0.0	0.0	0.0	4.6
28	16.9	26.1	21.2	78.0	0.0	18.9	18.9	4.9
29	16.8	24.2	20.6	79.0	9.2	31.3	40.5	1.9
30	16.2	24.8	19.7	82.7	1.8	0.0	1.8	.2
31	17.0	26.1	20.5	77.7	10.1	0.0	10.1	3.7
Total :	—	—	—	—	83.0	159.9	242.9	115.7
Promedio :	17.9	27.0	21.9	75.4				

Estación : EL HORIZONTE  
Año : 1998

Dpto. : TOLIMA  
Mpio. : CUNDAY

Latitud : 4 ° 4' N  
Longitud : 74 ° 36' W  
Altitud : 1270 m

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	27.6	21.3	79.3	.9	0.0	.9	5.1
2	17.4	28.2	21.2	81.3	0.0	0.0	0.0	5.6
3	18.4	24.1	19.6	90.0	15.5	18.2	33.7	2.7
4	16.2	25.2	19.4	87.0	20.5	.7	21.2	2.7
5	16.9	24.8	19.7	73.3	1.7	2.1	3.8	1.6
6	17.0	23.8	19.6	92.3	4.6	0.0	4.6	1.2
7	16.0	23.6	19.0	88.0	.9	0.0	.9	.4
8	15.8	26.2	20.0	76.7	0.0	58.3	58.3	3.9
9	16.0	26.9	20.4	81.3	0.0	76.6	76.6	4.3
10	15.9	24.9	19.8	82.0	0.0	0.0	0.0	4.3
11	16.2	24.4	19.7	83.0	0.0	0.0	0.0	.9
12	17.0	24.1	20.6	80.7	3.4	4.3	7.7	1.8
13	17.1	25.4	19.0	89.7	2.0	21.8	23.8	1.2
14	16.0	23.1	19.2	89.0	7.9	0.0	7.9	1.1
15	17.5	23.9	19.7	85.3	14.7	0.0	14.7	1.9
16	18.0	24.0	20.5	86.7	0.0	0.0	0.0	.8
17	17.9	24.8	19.7	86.7	0.0	0.0	0.0	1.5
18	18.0	24.0	20.5	78.3	5.8	0.0	5.8	2.5
19	17.0	25.2	20.6	81.0	2.0	2.2	4.2	3.3
20	16.0	25.1	19.4	85.3	5.6	0.0	5.6	1.9
21	16.8	24.9	20.2	85.3	1.0	48.5	49.5	2.3
22	16.8	21.8	18.4	92.3	.8	0.0	.8	.6
23	17.1	26.0	20.4	78.7	0.0	0.0	0.0	5.7
24	17.8	21.7	19.4	88.7	0.0	12.2	12.2	.4
25	16.8	26.2	20.6	76.3	0.0	2.8	2.8	5.4
26	17.0	24.0	19.8	80.7	0.0	3.8	3.8	1.6
27	17.1	24.1	19.3	84.3	.1	.5	.6	1.8
28	17.0	22.8	18.9	88.7	.4	4.3	4.7	.7
29	16.8	24.9	20.0	84.3	1.4	.3	1.7	3.8
30	17.0	27.0	21.0	74.3	0.0	13.6	13.6	6.7
31								
Total :					89.2	270.2	359.4	77.7
Promedio :	16.9	24.8	19.9	83.7				

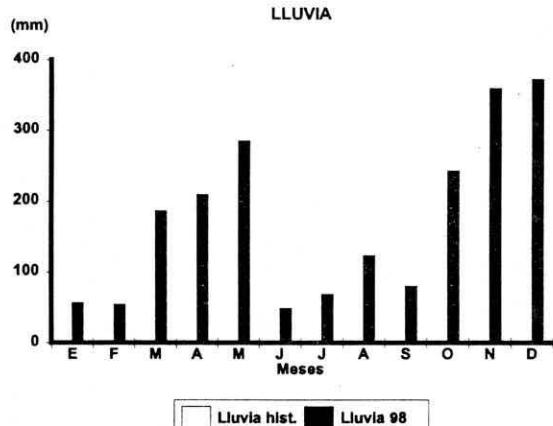
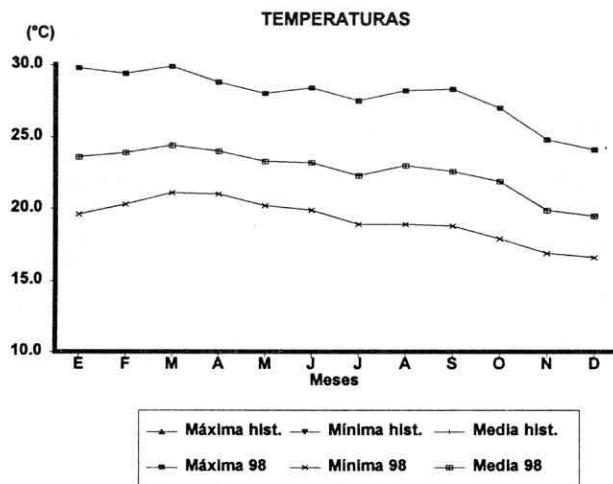
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	25.1	20.7	78.0	0.0	4.2	4.2	4.2
2	16.2	24.0	19.0	82.7	26.0	28.0	54.0	1.5
3	16.1	25.1	18.9	82.0	9.9	2.0	11.9	2.5
4	16.0	22.2	18.2	90.7	20.5	0.0	20.5	.7
5	16.8	23.9	20.0	82.3	1.5	26.5	28.0	2.0
6	17.0	25.1	19.7	80.3	1.0	22.8	23.8	1.9
7	16.0	22.2	18.7	87.3	.1	31.2	31.3	2.1
8	16.1	25.8	20.0	78.0	0.0	22.3	22.3	1.9
9	18.0	22.8	19.8	85.0	.5	3.3	3.8	1.0
10	17.0	24.9	19.3	89.3	38.8	7.1	45.9	3.1
11	16.2	22.0	18.0	91.3	7.0	2.4	9.4	1.9
12	16.8	23.0	19.4	83.3	2.7	0.0	2.7	.6
13	16.9	24.3	20.2	82.3	0.0	0.0	0.0	1.9
14	17.7	25.2	21.0	76.7	0.0	8.5	8.5	1.6
15	16.2	24.1	18.7	77.7	1.7	0.0	1.7	1.5
16	17.9	23.8	20.2	69.7	4.1	0.0	4.1	2.4
17	16.0	20.4	17.5	83.3	23.5	0.0	23.5	.4
18	15.3	25.1	19.0	82.0	.9	0.0	.9	5.3
19	16.8	22.9	19.4	75.3	20.4	0.0	20.4	1.0
20	16.0	24.0	19.8	77.7	0.0	0.0	0.0	4.4
21	16.6	26.8	20.8	76.7	0.0	0.0	0.0	6.0
22	16.2	26.9	20.6	76.3	0.0	0.0	0.0	6.5
23	16.6	26.8	20.2	78.7	0.0	36.6	36.6	5.3
24	15.1	25.0	18.8	78.7	0.0	0.0	0.0	3.6
25	17.0	19.2	18.2	85.7	3.0	0.0	3.0	.2
26	16.4	26.0	20.4	78.3	.1	0.0	.1	3.2
27	16.5	24.0	19.8	85.0	0.0	0.0	0.0	1.6
28	17.5	24.1	19.5	84.0	.6	0.0	.6	1.3
29	17.0	25.0	19.3	78.3	11.1	0.0	11.1	3.1
30	16.9	25.0	20.0	84.0	.2	2.9	3.1	3.5
31	16.8	21.4	19.0	91.3	.8	0.0	.8	.6
Total :					174.4	197.8	372.2	76.8
Promedio :	16.5	24.1	19.5	81.7				

Estación : EL HORIZONTE  
Año : 1998

Dpto. : TOLIMA  
Mpio. : CUNDAY

Latitud : 4 ° 4' N  
Longitud : 74 ° 36' W  
Altitud : 1270 m

MES	TEMPERATURA °C					PRECIPITACION			
	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	19.6	29.8	23.6	32.7	18.2	70.8	57.1	11	162.0
Febrero	20.3	29.4	23.9	34.5	17.5	76.1	55.0	15	100.7
Marzo	21.1	29.9	24.4	33.6	20.0	77.4	187.2	18	80.2
Abril	21.0	28.8	24.0	32.5	19.9	82.6	209.7	25	59.3
Mayo	20.2	28.0	23.3	32.6	18.9	80.3	285.4	23	78.6
Junio	19.9	28.4	23.2	32.8	18.4	74.4	48.8	18	105.7
Julio	18.9	27.5	22.3	31.4	17.5	70.5	69.1	22	108.1
Agosto	18.9	28.2	23.0	31.8	17.3	69.4	123.5	18	116.0
Septiembre	18.8	28.3	22.6	31.9	16.3	74.0	80.9	23	103.0
Octubre	17.9	27.0	21.9	31.9	14.9	75.4	242.9	25	115.7
Noviembre	16.9	24.8	19.9	28.2	15.8	83.7	359.4	24	77.7
Diciembre	16.6	24.1	19.5	26.9	15.1	81.7	372.2	25	76.8
Promedio :	19.2	27.8	22.6			76.4			
Absoluta :				34.5	14.9				
Total :							2091.2	247	1183.8



Estación : LOS ANDES  
Año : 1998

Dpto. : TOLIMA  
Mpio. : PLANADAS

Latitud : 3 ° 11'N  
Longitud : 75 ° 37'W  
Altitud : 1400 m

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.5	25.0	20.6	85.7	0.0	0.0	0.0	1.1
2	16.8	28.4	22.5	54.7	0.0	0.0	0.0	9.7
3	16.0	27.2	21.8	63.3	0.0	0.0	0.0	1.4
4	19.5	28.6	23.6	59.7	0.0	0.0	0.0	4.5
5	18.4	27.8	22.4	67.7	0.0	0.0	0.0	2.5
6	18.4	27.4	22.0	76.7	0.0	0.0	0.0	2.4
7	19.6	27.1	21.4	83.7	11.3	14.8	26.1	2.7
8	18.0	26.5	21.1	83.7	.9	0.0	.9	4.8
9	18.2	28.0	22.7	75.7	0.0	0.0	0.0	5.8
10	18.4	24.6	20.8	88.7	.1	0.0	.1	2.4
11	18.0	24.2	21.4	83.7	0.0	0.0	0.0	1.0
12	19.0	26.2	22.0	72.3	0.0	0.0	0.0	2.3
13	17.6	26.9	21.7	78.7	0.0	1.0	1.0	3.3
14	18.4	27.5	22.6	72.7	0.0	0.0	0.0	4.3
15	19.0	27.2	21.8	78.0	0.0	0.0	0.0	4.2
16	17.4	28.2	22.2	66.7	0.0	0.0	0.0	1.2
17	18.4	27.0	21.8	77.0	0.0	4.6	4.6	7.2
18	17.5	27.2	22.0	77.3	0.0	.3	.3	6.0
19	18.2	28.2	22.3	80.7	0.0	0.0	0.0	6.3
20	18.5	26.6	21.9	88.0	0.0	5.5	5.5	4.8
21	17.4	27.8	22.2	75.7	0.0	0.0	0.0	4.2
22	19.6	30.4	24.1	65.7	0.0	0.0	0.0	8.8
23	19.0	29.7	23.7	63.3	0.0	0.0	0.0	9.8
24	18.5	30.4	23.7	61.3	0.0	0.0	0.0	4.7
25	17.4	28.3	22.6	72.3	0.0	0.0	0.0	8.6
26	17.9	29.0	23.1	73.7	0.0	0.0	0.0	7.5
27	18.2	28.8	23.0	68.3	0.0	0.0	0.0	1.3
28	19.3	28.2	23.0	80.7	0.0	0.0	0.0	3.1
29	18.4	27.3	23.1	74.7	0.0	0.0	0.0	3.2
30	19.8	29.4	23.4	71.3	0.0	0.0	0.0	4.2
31	18.2	28.8	22.5	79.0	1.3	0.0	1.3	5.4
Total :					13.6	26.2	39.8	138.7
Promedio :	18.3	27.7	22.4	74.2				

Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.2	28.6	22.2	77.7	.5	0.0	.5	5.9
2	19.8	30.2	25.1	55.0	0.0	0.0	0.0	4.1
3	20.5	31.2	24.4	57.3	0.0	0.0	0.0	6.4
4	20.0	31.0	24.7	68.0	0.0	0.0	0.0	6.5
5	19.0	31.7	24.5	71.7	0.0	0.0	0.0	5.7
6	18.2	29.1	22.2	80.0	0.0	0.0	0.0	1.6
7	19.6	31.0	23.1	76.7	0.0	0.0	0.0	2.0
8	18.6	25.1	20.3	91.3	4.0	14.3	18.3	.3
9	17.5	24.8	19.4	95.0	20.8	24.1	44.9	1.9
10	17.8	23.6	20.2	91.7	0.0	1.1	1.1	.4
11	18.4	25.2	21.2	88.3	0.0	0.0	0.0	.5
12	18.5	25.5	22.0	85.3	0.0	0.0	0.0	.9
13	19.0	27.4	22.2	75.7	.1	0.0	.1	3.1
14	18.6	28.0	23.2	78.7	0.0	0.0	0.0	3.4
15	18.5	25.6	21.4	83.0	0.0	0.0	0.0	.1
16	17.0	29.2	23.4	57.7	0.0	0.0	0.0	9.4
17	17.4	30.1	23.2	60.3	0.0	0.0	0.0	9.3
18	18.5	30.5	23.5	71.7	0.0	.4	.4	0.0
19	18.6	29.8	24.2	72.7	0.0	37.3	37.3	8.1
20	17.6	25.8	20.7	86.0	65.9	0.0	65.9	2.1
21	17.2	27.4	21.5	80.7	0.0	0.0	0.0	5.5
22	18.0	27.8	23.0	76.3	0.0	0.0	0.0	8.0
23	17.8	27.6	22.5	81.0	0.0	17.4	17.4	6.5
24	18.0	27.6	22.0	81.0	.2	9.7	9.9	4.1
25	19.0	28.4	22.4	84.3	0.0	0.0	0.0	5.8
26	17.8	29.4	22.3	75.0	0.0	1.9	1.9	9.9
27	17.0	29.7	23.0	77.3	0.0	11.3	11.3	3.2
28	17.5	27.7	22.4	82.3	0.0	16.2	16.2	5.5
29								
30								
31								
Total :					91.5	133.7	225.2	120.2
Promedio :	18.4	28.2	22.5	77.2				

Estación : LOS ANDES

Año : 1998

Dpto. : TOLIMA  
Mpio. : PLANADAS

Latitud : 3 ° 11' N

Longitud : 75 ° 37' W

Altitud : 1400 m

Marzo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	26.8	22.2	88.7	1.0	4.8	5.8	2.4
2	17.4	22.8	19.8	90.7	1.0	0.0	1.0	0.0
3	17.8	26.2	21.4	76.7	0.0	0.0	0.0	3.1
4	19.0	26.8	22.2	76.7	0.0	0.0	0.0	2.1
5	18.8	27.8	22.3	69.3	0.0	0.0	0.0	2.1
6	19.2	28.2	22.5	77.0	3.3	0.0	3.3	2.5
7	19.0	28.5	22.4	75.7	0.0	.3	.3	3.7
8	18.2	27.2	20.7	84.0	0.0	0.0	0.0	2.9
9	18.0	27.8	22.6	73.0	0.0	0.0	0.0	5.3
10	19.2	29.0	23.0	79.0	1.3	14.6	15.9	5.7
11	17.0	27.2	21.7	83.0	5.3	34.9	40.2	4.9
12	17.8	27.2	20.8	82.7	0.0	1.8	1.8	3.4
13	18.0	26.8	21.3	86.0	0.0	0.0	0.0	3.8
14	17.4	28.0	21.6	79.7	0.0	0.0	0.0	8.7
15	17.2	26.7	21.6	86.3	0.0	.8	.8	3.6
16	18.2	26.8	21.1	89.0	0.0	2.8	2.8	3.1
17	17.6	27.2	21.8	84.7	0.0	0.0	0.0	5.2
18	18.2	28.8	23.4	74.3	0.0	0.0	0.0	5.8
19	19.0	29.2	23.3	76.3	0.0	.2	.2	7.6
20	19.2	24.4	21.2	85.0	.1	0.0	.1	0.0
21	17.6	26.0	20.8	87.7	0.0	0.0	0.0	2.6
22	19.0	28.2	21.8	80.3	0.0	0.0	0.0	7.2
23	18.6	25.8	20.7	90.3	10.7	5.1	15.8	.5
24	17.6	24.6	20.4	92.3	1.7	0.0	1.7	1.6
25	18.0	25.0	20.9	84.7	0.0	0.0	0.0	1.1
26	19.2	24.0	21.0	83.3	0.0	0.0	0.0	.2
27	18.0	28.2	23.3	73.7	0.0	.4	.4	4.5
28	18.6	22.0	20.0	92.7	6.7	25.4	32.1	.2
29	17.0	25.4	20.6	89.0	3.0	0.0	3.0	1.5
30	17.6	22.6	20.2	92.0	0.0	10.8	10.8	0.0
31	18.4	23.5	21.4	91.3	.8	.4	1.2	.3
Total					34.9	102.3	137.2	
Promedio :	18.2	26.4	21.5	83.1				94.6

Abril	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.8	25.0	20.4	88.3	0.0	0.0	0.0	.6
2	18.4	25.2	20.9	85.3	9.7	0.0	9.7	1.3
3	18.5	26.0	20.8	90.0	7.9	22.0	29.9	1.4
4	17.0	28.0	20.6	87.3	12.4	10.2	22.6	5.6
5	16.4	28.3	21.8	82.7	0.0	9.8	9.8	8.5
6	18.2	27.2	21.9	88.0	0.0	0.0	0.0	3.4
7	18.0	27.0	21.7	86.0	.2	20.5	20.7	4.4
8	17.4	27.5	21.5	85.0	0.0	.1	.1	4.3
9	18.0	26.5	21.6	82.3	0.0	0.0	0.0	2.5
10	17.8	29.4	22.3	72.0	0.0	0.0	0.0	5.4
11	19.4	25.6	21.9	87.0	0.0	0.0	0.0	5.4
12	17.5	27.2	21.8	83.7	0.0	0.0	0.0	5.4
13	18.0	25.4	20.2	89.3	0.0	2.6	2.6	.6
14	17.4	26.4	21.6	86.3	19.9	.7	20.6	0.0
15	18.0	28.6	22.8	80.3	0.0	0.0	0.0	3.8
16	18.6	28.5	22.0	88.0	.6	78.4	79.0	0.0
17	17.4	27.0	21.9	83.7	0.0	0.0	0.0	4.5
18	18.5	27.6	22.7	87.0	.2	9.5	9.7	4.0
19	17.6	25.2	20.6	91.0	33.4	.2	33.6	4.2
20	17.0	24.6	20.7	89.7	9.2	19.5	28.7	.5
21	17.8	26.2	21.5	87.3	0.0	0.0	0.0	1.8
22	17.6	25.2	20.5	84.0	30.2	0.0	30.2	4.0
23	17.8	26.2	20.1	85.3	3.3	0.0	3.3	2.9
24	16.2	27.2	21.8	76.7	0.0	1.0	1.0	4.0
25	17.3	29.5	22.8	83.3	0.0	15.5	15.5	4.1
26	17.7	23.0	20.6	90.3	.2	0.0	.2	5.5
27	17.8	27.0	21.2	79.0	6.8	1.0	7.8	3.0
28	18.4	27.2	22.3	84.7	0.0	20.2	20.2	2.6
29	18.2	25.6	21.1	92.3	1.3	0.0	1.3	5.9
30	18.8	27.2	21.6	82.7	6.1	0.0	6.1	4.6
31								2.7
Total					141.4	211.2	352.6	
Promedio :	17.8	26.7	21.4	85.3				101.5

Estación : LOS ANDES  
Año : 1998

Dpto. : TOLIMA  
Mpio. : PLANADAS

Latitud : 3 ° 11'N  
Longitud : 75 ° 37'W  
Altitud : 1400 m

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.2	25.6	21.6	87.7	.2	7.7	7.9	1.7
2	18.0	26.8	21.8	88.0	1.0	5.9	6.9	4.5
3	18.6	26.2	21.3	88.3	23.0	33.0	56.0	1.1
4	17.6	23.2	18.9	94.3	9.5	0.0	9.5	0.0
5	17.2	23.0	19.9	92.0	1.1	2.6	3.7	.2
6	18.4	22.0	19.8	94.3	9.6	0.0	9.6	0.0
7	17.2	26.9	21.9	81.3	0.0	0.0	0.0	1.3
8	17.6	27.2	21.8	85.0	4.8	.1	4.9	4.5
9	17.6	23.8	19.6	95.7	17.7	0.0	17.7	2.3
10	18.0	27.0	21.1	79.0	0.0	0.0	0.0	4.5
11	18.2	27.3	22.3	83.0	0.0	0.0	0.0	3.5
12	17.8	22.0	19.7	88.7	12.0	0.0	12.0	.9
13	16.0	29.0	22.3	71.7	0.0	0.0	0.0	6.6
14	18.7	28.4	23.2	77.7	0.0	0.0	0.0	5.2
15	18.6	26.4	21.4	83.0	0.0	0.0	0.0	1.1
16	17.8	28.5	22.4	75.3	0.0	0.0	0.0	4.6
17	18.8	27.2	22.1	86.7	0.0	1.0	1.0	2.8
18	18.4	25.5	21.3	86.7	0.0	0.0	0.0	1.4
19	18.0	27.8	22.5	77.0	0.0	0.0	0.0	5.6
20	18.2	29.8	24.6	59.7	0.0	0.0	0.0	8.7
21	19.4	30.2	24.0	68.7	0.0	0.0	0.0	7.4
22	19.8	29.0	23.6	73.0	0.0	0.0	0.0	1.4
23	18.8	27.4	22.6	82.3	0.0	0.0	0.0	.8
24	19.4	25.0	21.6	88.3	0.0	0.0	0.0	1.9
25	18.8	28.0	22.2	82.0	0.0	4.7	4.7	.8
26	18.7	25.5	20.7	88.0	0.0	9.9	9.9	6.0
27	16.8	25.6	20.0	88.0	10.0	0.0	10.0	3.6
28	17.4	24.6	20.1	88.3	9.1	.7	9.8	1.6
29	16.2	24.4	20.7	83.7	10.4	.4	10.8	.6
30	17.0	25.8	20.2	86.7	0.0	0.0	0.0	1.8
31	17.8	28.0	21.8	80.3	0.0	11.2	11.2	4.4
Total					108.4	77.2	185.6	
Promedio	18.0	26.4	21.5	83.4				94.3

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	26.2	21.0	81.3	.5	2.3	2.8	2.5
2	17.6	25.6	20.4	86.3	0.0	.8	.8	5.0
3	17.8	25.2	20.6	88.3	0.0	0.0	0.0	2.4
4	17.0	25.8	20.2	85.3	.3	.5	.8	1.7
5	17.7	24.4	20.8	86.3	0.0	0.0	0.0	1.2
6	17.7	28.0	22.0	74.0	0.0	0.0	0.0	6.0
7	17.6	27.2	21.0	80.7	0.0	0.0	0.0	2.8
8	18.2	26.0	22.6	81.0	0.0	1.2	1.2	1.5
9	18.8	28.5	23.4	73.3	0.0	0.0	0.0	7.8
10	19.8	29.5	23.0	75.7	0.0	0.0	0.0	6.8
11	18.5	28.2	23.2	73.0	0.0	2.1	2.1	4.3
12	18.0	29.8	22.8	70.3	.6	.1	.7	5.7
13	18.5	29.0	23.4	67.0	0.0	0.0	0.0	7.8
14	19.4	28.5	23.0	76.3	0.0	.6	.6	5.9
15	18.8	21.7	20.0	93.3	6.1	0.0	6.1	0.0
16	18.2	25.4	21.4	79.0	0.0	0.0	0.0	6.3
17	17.8	27.6	22.6	74.7	0.0	0.0	0.0	6.6
18	17.6	29.3	23.3	66.3	0.0	0.0	0.0	.2
19	19.0	24.8	21.2	83.7	0.0	.1	.1	3.6
20	18.5	28.0	21.6	78.7	1.7	0.0	1.7	3.6
21	19.5	28.8	23.8	65.7	0.0	.6	.6	2.6
22	17.6	26.6	22.5	77.7	0.0	0.0	0.0	.8
23	16.2	24.8	19.4	82.0	6.3	0.0	6.3	6.7
24	16.7	26.0	21.2	71.0	0.0	0.0	0.0	4.4
25	17.0	28.6	22.6	64.7	0.0	0.0	0.0	3.9
26	18.3	27.2	22.1	69.3	0.0	0.0	0.0	.8
27	17.6	25.2	20.7	78.7	0.0	0.0	0.0	.7
28	16.4	25.5	20.4	77.3	.1	.3	.4	4.2
29	15.8	25.6	22.2	59.3	0.0	0.0	0.0	9.5
30	15.6	27.5	22.4	53.3	0.0	0.0	0.0	
Total					15.6	8.6	24.2	118.4
Promedio	17.8	26.8	21.8	75.8				

Estación : LOS ANDES  
Año : 1998

Dpto. : TOLIMA  
Mpio. : PLANADAS

Latitud : 3 ° 11'N  
Longitud : 75 ° 37'W  
Altitud : 1400 m

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.0	26.8	22.1	57.3	0.0	0.0	0.0	4.8
2	17.8	25.6	20.5	80.3	0.0	.3	.3	.6
3	16.8	26.2	21.6	71.3	.1	0.0	.1	2.3
4	16.8	27.4	21.4	75.7	0.0	.5	.5	4.6
5	17.0	22.5	19.8	87.7	0.0	.5	.5	1.5
6	17.0	24.3	20.1	82.3	0.0	0.0	0.0	1.7
7	16.3	25.4	20.8	75.0	0.0	0.0	0.0	2.9
8	16.6	25.0	20.9	73.7	0.0	18.0	18.0	4.2
9	15.5	24.1	19.0	89.3	.3	.1	.4	2.6
10	17.3	23.6	19.1	81.3	.2	.1	.3	1.0
11	17.0	27.0	20.7	74.0	0.0	1.4	1.4	1.8
12	16.3	25.2	19.2	82.0	.7	1.1	1.8	1.7
13	16.0	26.5	20.2	70.0	0.0	0.0	0.0	4.4
14	15.2	27.4	21.5	56.7	0.0	0.0	0.0	5.6
15	17.3	25.0	19.9	75.3	1.6	1.0	2.6	2.8
16	15.5	24.9	19.7	78.0	2.8	2.3	5.1	1.6
17	16.0	24.7	19.5	80.3	0.0	3.8	3.8	2.9
18	15.8	24.5	19.3	83.3	1.0	6.6	7.6	2.3
19	15.6	22.6	18.9	90.3	1.0	.3	1.3	1.9
20	16.5	24.5	21.4	71.7	0.0	0.0	0.0	3.3
21	15.0	27.3	22.4	57.7	0.0	0.0	0.0	5.3
22	16.5	21.0	17.9	90.3	7.3	2.5	9.8	.7
23	16.0	24.7	20.1	72.3	0.0	0.0	0.0	1.8
24	16.6	23.8	19.2	77.3	0.0	0.0	0.0	1.7
25	16.0	25.4	21.1	66.7	0.0	0.0	0.0	1.9
26	17.0	27.0	20.5	77.3	0.0	0.0	0.0	4.8
27	15.9	28.8	21.6	65.0	0.0	.1	.1	6.7
28	16.4	26.4	21.4	70.7	0.0	0.0	0.0	4.4
29	17.0	28.0	22.5	68.3	0.0	1.8	1.8	5.4
30	16.2	24.5	19.4	77.3	0.0	0.0	0.0	1.6
31	16.3	26.5	21.9	61.7	0.0	0.0	0.0	4.4
Total :					15.0	40.4	55.4	93.2
Promedio :	16.3	25.4	20.4	74.8				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	28.1	22.0	61.0	0.0	0.0	0.0	7.3
2	16.7	26.5	20.8	67.0	0.0	0.0	0.0	2.5
3	17.0	27.4	21.2	64.0	0.0	0.0	0.0	4.0
4	17.8	24.5	20.1	76.0	0.0	0.0	0.0	.7
5	17.9	28.0	22.0	63.3	0.0	6.6	6.6	7.2
6	16.0	23.5	18.6	85.0	12.5	10.0	22.5	.4
7	15.8	25.5	19.6	77.3	5.3	0.0	5.3	5.0
8	16.0	24.7	18.9	78.3	0.0	0.0	0.0	1.8
9	14.2	27.7	20.9	72.3	0.0	0.0	0.0	9.9
10	16.5	27.0	20.5	79.7	0.0	2.8	2.8	3.4
11	16.0	26.8	20.9	70.3	0.0	0.0	0.0	7.2
12	16.4	26.5	20.2	68.0	.1	0.0	.1	2.1
13	16.3	25.5	20.1	76.3	0.0	0.0	0.0	1.5
14	17.8	27.4	21.1	68.0	0.0	0.0	0.0	6.5
15	17.0	23.5	18.8	91.0	1.6	0.0	1.6	1.2
16	16.0	26.5	20.4	73.0	0.0	0.0	0.0	4.1
17	17.0	26.6	22.4	57.7	0.0	0.0	0.0	2.7
18	16.5	28.6	22.8	64.0	0.0	.8	.8	7.6
19	16.2	25.1	20.1	77.7	2.0	0.0	2.0	3.6
20	16.6	23.5	21.4	82.0	0.0	0.0	0.0	3.0
21	17.3	25.0	20.6	76.7	5.5	0.0	5.5	2.6
22	16.5	24.7	21.2	77.7	0.0	0.0	0.0	2.2
23	16.9	27.6	21.6	69.7	0.0	0.0	0.0	4.8
24	17.2	29.0	22.8	63.3	0.0	0.0	0.0	8.2
25	17.8	27.6	20.8	78.3	0.0	0.0	0.0	3.6
26	17.5	25.4	20.7	77.7	0.0	0.0	0.0	2.7
27	16.4	25.2	19.9	77.3	0.0	0.0	0.0	4.7
28	16.0	26.1	20.9	66.3	0.0	0.0	0.0	4.3
29	16.2	28.3	21.0	60.0	0.0	.5	.5	6.4
30	16.5	25.5	20.8	71.7	0.0	0.0	0.0	.7
31	17.5	25.6	20.9	68.3	0.0	0.0	0.0	.7
Total :					27.0	20.7	47.7	122.6
Promedio :	16.7	26.2	20.8	72.2				

Estación : LOS ANDES  
Año : 1998

Dpto. : TOLIMA  
Mpio. : PLANADAS

Latitud : 3 ° 11'N  
Longitud : 75 ° 37'W  
Altitud : 1400 m

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	27.7	22.0	64.7	0.0	0.0	0.0	3.2
2	16.2	28.4	22.1	63.3	0.0	0.0	0.0	6.6
3	16.0	24.5	21.2	80.0	0.0	.2	.2	.4
4	17.0	27.2	22.1	60.0	0.0	0.0	0.0	2.6
5	17.4	25.1	19.5	78.7	6.6	0.0	6.6	3.7
6	16.0	29.0	22.4	56.3	0.0	0.0	0.0	10.2
7	17.8	29.6	23.2	61.7	0.0	5.5	5.5	6.7
8	17.0	22.8	19.7	86.7	2.2	2.8	5.0	.9
9	16.6	27.4	21.4	75.3	0.0	4.9	4.9	4.9
10	16.8	26.4	20.6	72.7	1.6	0.0	1.6	5.2
11	16.6	27.0	21.1	68.0	0.0	.2	.2	4.0
12	16.5	21.1	18.4	88.3	12.5	0.0	12.5	.1
13	16.0	26.4	21.0	67.3	1.5	.2	1.7	5.7
14	17.2	26.2	20.9	75.0	0.0	0.0	0.0	3.3
15	17.4	25.6	19.5	85.3	.8	0.0	.8	1.6
16	17.0	28.8	22.5	63.7	0.0	0.0	0.0	6.3
17	18.4	29.6	22.7	68.0	0.0	0.0	0.0	8.8
18	17.0	26.6	21.2	80.7	2.0	5.0	7.0	.8
19	17.0	25.4	20.1	85.0	11.3	0.0	11.3	2.0
20	16.7	29.0	22.2	64.7	0.0	0.0	0.0	3.8
21	17.8	26.2	20.9	76.3	0.0	0.0	0.0	2.8
22	16.8	26.6	21.5	77.0	0.0	0.0	0.0	2.1
23	18.0	25.0	19.8	90.0	1.2	0.0	1.2	1.7
24	16.5	26.8	21.5	68.0	0.0	0.0	0.0	4.3
25	18.0	26.7	21.3	76.0	0.0	0.0	0.0	3.6
26	17.6	25.5	21.2	82.3	0.0	0.0	0.0	.8
27	17.8	26.4	20.5	86.3	2.6	0.0	2.6	2.0
28	16.8	28.6	21.9	79.3	0.0	8.9	8.9	4.9
29	16.0	29.7	21.8	73.7	0.0	.5	.5	9.0
30	17.2	27.6	22.0	63.7	0.0	0.0	0.0	3.2
31								
Total :	17.0	26.8	21.2	73.9	42.3	28.2	70.5	115.2
Promedio :	17.0	26.8	21.2	73.9				
Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	28.6	21.9	63.3	.1	.4	.5	2.2
2	17.2	27.6	21.9	66.0	0.0	0.0	0.0	3.7
3	17.8	30.6	22.8	61.3	0.0	0.0	0.0	7.6
4	17.5	30.4	22.8	70.3	0.0	10.0	10.0	7.2
5	17.0	28.2	21.3	78.3	1.4	.1	1.5	5.4
6	17.6	24.6	20.8	82.7	0.0	.4	.4	1.4
7	17.0	24.0	19.6	89.0	4.2	.3	4.5	.9
8	17.6	24.6	20.8	80.3	.6	0.0	.6	1.7
9	18.6	26.8	22.2	70.7	.1	0.0	.1	1.6
10	16.4	29.5	23.3	51.7	0.0	0.0	0.0	9.3
11	17.4	30.2	22.5	61.7	0.0	0.0	0.0	8.5
12	16.8	29.0	21.9	73.0	0.0	0.0	0.0	6.9
13	17.0	27.6	20.6	86.3	0.0	.4	.4	4.7
14	16.6	28.2	20.0	75.0	1.3	20.4	21.7	3.4
15	16.0	27.2	20.9	81.7	0.0	9.6	9.6	5.8
16	16.1	28.0	19.9	79.0	0.0	2.7	2.7	4.9
17	17.0	27.8	21.2	82.3	.4	10.9	11.3	7.0
18	16.5	26.0	20.7	84.3	.4	.1	.5	3.9
19	17.0	23.6	19.9	80.7	0.0	0.0	0.0	1.2
20	17.2	27.2	20.9	78.3	1.3	8.3	9.6	4.1
21	16.0	26.0	18.4	91.7	19.5	.2	19.7	4.5
22	16.4	25.8	20.1	83.0	2.9	0.0	2.9	3.6
23	18.0	26.1	21.1	76.7	.4	34.5	34.9	2.9
24	16.0	26.0	20.0	86.7	0.0	15.6	15.6	4.6
25	15.5	25.0	19.8	83.7	0.0	10.1	10.1	5.0
26	16.0	26.6	20.8	80.3	0.0	0.0	0.0	7.2
27	16.6	27.7	21.4	75.3	4.0	.8	4.8	6.9
28	17.0	27.0	21.2	78.7	2.0	2.6	4.6	3.8
29	16.6	26.7	20.6	82.0	0.0	0.0	0.0	2.0
30	17.2	24.6	19.8	81.7	5.2	0.0	5.2	.1
31	16.6	27.0	20.6	73.3	.5	0.0	.5	1.9
Total :	16.9	27.0	21.0	77.1	44.3	127.4	171.7	133.9
Promedio :	16.9	27.0	21.0	77.1				

Estación : LOS ANDES  
Año : 1998

Dpto. : TOLIMA  
Mpio. : PLANADAS

Latitud : 3 ° 11'N  
Longitud : 75 ° 37'W  
Altitud : 1400 m

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	28.2	22.2	75.7	0.0	11.4	11.4	6.4
2	16.4	27.2	19.6	83.3	11.5	0.0	11.5	3.8
3	16.0	26.4	20.5	80.0	1.6	9.9	11.5	3.3
4	16.6	25.5	20.0	82.0	0.0	.2	.2	3.7
5	17.4	25.4	20.5	85.3	19.0	20.0	39.0	1.9
6	16.8	24.7	18.8	92.3	9.5	0.0	9.5	2.5
7	15.2	26.1	19.9	76.0	0.0	0.0	0.0	2.9
8	16.2	24.6	19.9	85.3	4.7	.5	5.2	2.5
9	17.0	26.4	21.0	80.7	0.0	29.5	29.5	4.7
10	16.0	27.0	20.3	83.3	2.5	2.9	5.4	5.6
11	15.8	26.0	21.0	84.7	0.0	10.9	10.9	5.3
12	16.5	25.6	20.1	85.0	0.0	6.2	6.2	3.1
13	17.4	23.6	19.8	86.0	1.3	.8	2.1	1.1
14	16.2	25.0	19.8	85.3	0.0	0.0	0.0	.8
15	16.5	26.2	19.4	89.3	2.3	26.9	29.2	2.5
16	16.6	27.0	21.8	81.3	0.0	0.0	0.0	3.0
17	18.0	23.5	20.6	86.0	0.0	0.0	0.0	.2
18	17.6	27.7	21.0	69.7	1.5	0.0	1.5	3.6
19	16.0	26.6	20.7	81.7	0.0	0.0	0.0	3.3
20	16.5	24.2	19.8	83.7	1.7	13.0	14.7	1.9
21	17.8	24.4	20.0	86.7	0.0	15.5	15.5	.7
22	16.8	22.5	18.7	90.0	9.3	3.9	13.2	1.3
23	16.8	24.0	19.6	83.7	0.0	4.3	4.3	1.4
24	17.4	23.6	19.9	84.7	0.0	.2	.2	.4
25	17.5	23.4	19.5	77.0	0.0	.1	.1	.8
26	17.2	24.0	19.9	81.7	0.0	2.1	2.1	.2
27	17.8	24.6	20.3	87.7	.3	.2	.5	.9
28	17.6	22.6	19.2	87.0	0.0	9.0	9.0	.1
29	15.8	25.2	19.5	84.7	.2	19.4	19.6	2.4
30	16.6	25.0	19.5	83.0	6.7	0.0	6.7	3.2
31	—	—	—	—	—	—	—	—
Total :	—	—	—	—	72.1	186.9	259.0	73.5
Promedio :	16.8	25.2	20.1	83.4	—	—	—	—

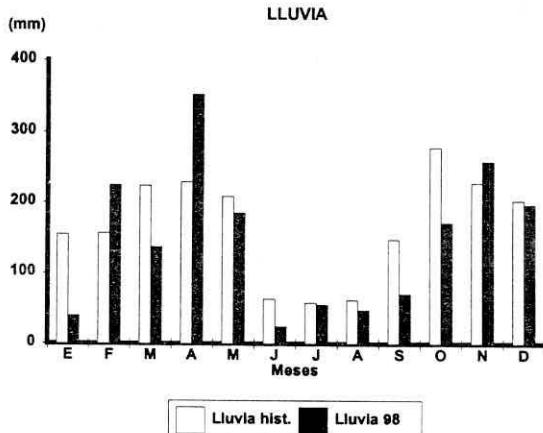
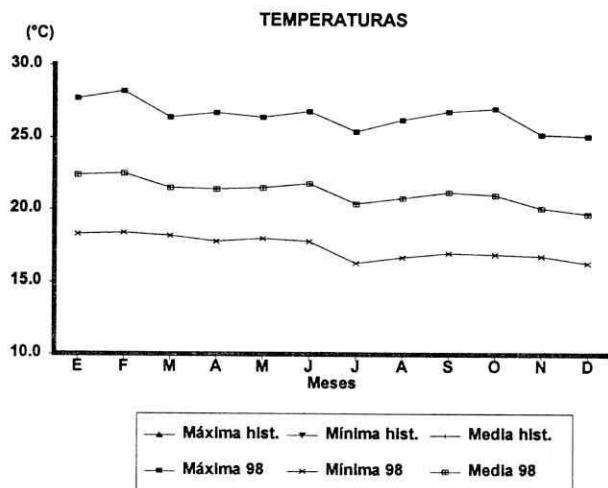
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.4	26.0	19.8	85.3	.8	19.1	19.9	1.9
2	17.2	24.5	19.1	85.3	9.9	0.0	9.9	.4
3	16.6	25.7	19.5	83.3	14.1	2.9	17.0	1.9
4	16.5	24.2	19.2	88.0	0.0	0.0	0.0	1.8
5	16.4	26.4	21.0	83.0	0.0	2.2	2.2	3.7
6	17.4	25.4	19.9	87.7	0.0	11.3	11.3	3.4
7	16.8	24.0	20.0	85.0	.9	9.9	10.8	.7
8	16.2	24.4	19.3	87.0	9.3	0.0	9.3	1.4
9	16.5	24.8	19.6	88.0	.7	17.9	18.6	1.4
10	17.0	24.9	19.7	88.7	4.7	12.7	17.4	1.9
11	16.8	25.8	20.4	88.7	9.5	0.0	9.5	4.5
12	17.2	25.8	19.2	87.7	5.4	2.2	7.6	2.5
13	17.0	23.4	18.9	87.3	3.7	0.0	3.7	.5
14	16.0	26.8	21.2	74.3	0.0	0.0	0.0	2.0
15	17.2	26.4	19.8	73.0	.4	0.0	.4	4.0
16	17.0	25.4	19.0	78.0	0.0	1.4	1.4	2.4
17	16.8	25.0	20.6	78.3	0.0	0.0	0.0	1.5
18	15.8	25.1	19.2	82.3	0.0	0.0	0.0	.9
19	15.4	27.0	20.1	82.3	0.0	2.0	2.0	5.1
20	15.2	26.4	20.2	80.7	0.0	.7	.7	4.8
21	16.8	26.0	20.3	81.0	0.0	.2	.2	3.8
22	17.0	24.0	19.1	87.3	2.4	.9	3.3	2.6
23	16.0	25.6	19.9	85.0	.5	.7	1.2	2.5
24	16.1	23.2	19.0	85.3	0.0	0.0	0.0	.7
25	15.2	21.0	17.6	92.3	4.1	0.0	4.1	.2
26	14.2	24.6	20.0	84.7	0.0	3.2	3.2	5.7
27	15.0	24.2	19.4	85.7	9.6	0.0	9.6	3.5
28	15.2	26.4	20.4	86.3	0.0	16.1	16.1	5.0
29	16.8	24.2	20.0	85.0	0.0	12.1	12.1	2.7
30	16.6	26.5	20.6	87.0	3.7	.3	4.0	4.8
31	16.2	24.4	20.1	85.7	0.0	1.7	1.7	2.1
Total :	—	—	—	—	79.7	117.5	197.2	80.3
Promedio :	16.3	25.1	19.7	84.5	—	—	—	—

Estación : LOS ANDES  
 Año : 1998

Dpto. : TOLIMA  
 Mpio. : PLANADAS

Latitud : 3 ° 11'N  
 Longitud : 75 ° 37'W  
 Altitud : 1400 m

MES	TEMPERATURA °C					PRECIPITACION			
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	18.3	27.7	22.4	30.4	16.0	74.2	39.8	8	138.7
Febrero	18.4	28.2	22.5	31.7	17.0	77.2	225.2	13	120.2
Marzo	18.2	26.4	21.5	29.2	17.0	83.1	137.2	18	94.6
Abril	17.8	26.7	21.4	29.5	16.2	85.3	352.6	21	101.5
Mayo	18.0	26.4	21.5	30.2	16.0	83.4	185.6	16	94.3
Junio	17.8	26.8	21.8	29.8	15.6	75.8	24.2	13	118.4
Julio	16.3	25.4	20.4	28.8	15.0	74.8	55.4	17	93.2
Agosto	16.7	26.2	20.8	29.0	14.2	72.2	47.7	10	122.6
Septiembre	17.0	26.8	21.2	29.7	16.0	73.9	70.5	16	115.2
Octubre	16.9	27.0	21.0	30.6	15.5	77.1	171.7	23	133.9
Noviembre	16.8	25.2	20.1	28.2	15.2	83.4	259.0	25	73.5
Diciembre	16.3	25.1	19.7	27.0	14.2	84.5	197.2	26	80.3
Promedio :	17.4	26.5	21.2			78.7			
Absoluta :				31.7	14.2				
Total :							1766.1	206	1286.4



■ Lluvia hist. ■ Lluvia 98

Estación : CANADA  
Año : 1998

Dpto. : VALLE  
Mpio. : ANSERMANUEVO

Latitud : 4 ° 48'N  
Longitud : 75 ° 57'W  
Altitud : 930 m

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.1	33.2	24.8	65.0	0.0	0.0	0.0	6.4
2	16.2	34.5	24.8	60.7	0.0	0.0	0.0	10.2
3	17.5	35.5	26.3	57.3	0.0	0.0	0.0	10.4
4	16.9	37.0	26.8	55.3	0.0	0.0	0.0	10.3
5	20.2	37.2	25.2	64.0	9.4	0.0	9.4	9.8
6	20.0	31.2	24.5	74.0	0.0	1.6	1.6	1.5
7	19.0	30.0	23.8	73.0	0.0	0.0	0.0	.4
8	17.1	34.2	24.6	63.3	0.0	0.0	0.0	9.0
9	18.0	34.5	26.0	61.0	0.0	0.0	0.0	8.5
10	16.5	35.2	25.8	61.0	0.0	0.0	0.0	10.0
11	17.6	36.2	27.1	62.3	0.0	0.0	0.0	10.2
12	19.2	32.2	25.9	68.7	0.0	0.0	0.0	.7
13	19.8	36.0	25.2	65.7	1.5	5.8	7.3	7.7
14	19.0	33.0	24.8	71.0	0.0	.4	.4	3.8
15	17.2	34.2	25.4	65.3	0.0	0.0	0.0	9.4
16	18.0	33.5	25.9	62.0	0.0	0.0	0.0	8.3
17	18.8	34.5	26.4	60.3	0.0	0.0	0.0	8.2
18	17.3	35.2	26.2	59.3	0.0	0.0	0.0	10.2
19	17.8	36.0	26.9	60.0	0.0	0.0	0.0	7.8
20	18.2	33.5	26.2	68.0	0.0	0.0	0.0	5.9
21	17.5	36.2	26.8	61.3	0.0	0.0	0.0	7.2
22	18.3	35.2	27.8	59.3	0.0	0.0	0.0	8.8
23	19.2	36.5	27.4	60.7	0.0	0.0	0.0	8.5
24	19.7	35.5	26.6	60.3	0.0	0.0	0.0	8.8
25	18.5	36.2	27.4	58.3	0.0	0.0	0.0	8.1
26	17.0	37.5	26.5	61.0	0.0	0.0	0.0	9.7
27	18.2	35.2	27.0	64.0	0.0	0.0	0.0	9.1
28	20.1	35.2	26.8	67.3	0.0	0.0	0.0	6.6
29	18.0	38.0	27.8	58.0	0.0	0.0	0.0	9.8
30	19.6	36.5	27.4	60.0	0.0	.7	.7	6.5
31	19.8	37.2	27.7	61.3	0.0	0.0	0.0	9.9
Total :					10.9	8.5	19.4	241.7
Promedio :	18.4	35.0	26.2	62.9				
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	37.2	28.3	58.3	0.0	0.0	0.0	10.1
2	20.2	37.2	27.8	64.0	.8	0.0	.8	5.9
3	21.0	35.2	25.0	71.3	0.0	0.0	0.0	3.4
4	19.7	36.0	27.3	62.7	0.0	0.0	0.0	8.5
5	21.8	32.0	26.5	70.0	0.0	0.0	0.0	.1
6	20.2	34.2	26.9	65.3	0.0	39.0	39.0	3.9
7	21.0	33.2	24.5	78.0	35.0	23.0	58.0	7.3
8	20.9	27.2	23.2	85.0	4.8	5.6	10.4	.1
9	20.0	30.5	24.1	77.3	0.0	0.0	0.0	2.4
10	20.7	29.5	24.2	78.0	0.0	0.0	0.0	1.3
11	20.9	29.2	24.5	77.3	0.0	0.0	0.0	.6
12	19.8	32.2	25.2	75.3	0.0	0.0	0.0	2.9
13	19.2	34.0	25.0	74.0	0.0	0.0	0.0	7.1
14	20.0	31.0	24.3	77.0	.9	0.0	.9	3.5
15	21.0	33.5	26.6	64.7	0.0	0.0	0.0	8.1
16	19.0	36.0	26.5	64.3	0.0	0.0	0.0	10.0
17	16.9	36.5	26.0	65.3	0.0	0.0	0.0	10.1
18	19.7	33.6	26.0	64.7	0.0	0.0	0.0	6.8
19	21.0	33.2	27.0	65.0	0.0	0.0	0.0	5.5
20	20.9	34.2	26.7	65.3	0.0	0.0	0.0	8.6
21	20.8	34.2	26.2	70.0	.6	0.0	.6	8.0
22	21.0	35.5	27.1	65.3	0.0	0.0	0.0	7.2
23	22.0	32.5	26.2	72.0	0.0	0.0	0.0	6.7
24	20.0	34.2	26.6	61.3	0.0	0.0	0.0	8.6
25	19.2	35.8	27.2	66.0	0.0	0.0	0.0	8.3
26	19.3	34.0	26.5	66.7	0.0	0.0	0.0	7.4
27	20.2	35.2	27.5	59.3	0.0	0.0	0.0	7.5
28	20.0	35.5	27.0	65.0	0.0	0.0	0.0	7.8
29								
30								
31								
Total :					42.1	67.6	109.7	167.7
Promedio :	20.2	33.7	26.1	68.9				

Estación : CANADA  
Año : 1998

Dpto. : VALLE  
Mpio. : ANSERMANUEVO

Latitud : 4 ° 48'N  
Longitud : 75 ° 57'W  
Altitud : 930 m

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	21.2	34.8	24.9	63.0	0.0	0.0	0.0	7.6
2	21.2	26.9	23.0	82.7	0.0	0.0	0.0	0.0
3	18.8	35.8	28.0	63.7	0.0	0.0	0.0	8.5
4	20.0	36.0	26.2	67.3	0.0	0.0	0.0	7.7
5	20.1	34.0	26.3	66.0	0.0	0.0	0.0	3.8
6	19.8	31.8	25.8	67.0	0.0	0.0	0.0	2.2
7	20.9	32.2	25.5	71.3	0.0	.7	.7	2.4
8	21.0	34.2	25.9	70.0	0.0	0.0	0.0	6.1
9	19.7	32.8	24.5	73.3	0.0	0.0	0.0	4.5
10	18.8	32.6	26.8	60.7	0.0	13.9	13.9	6.8
11	20.0	33.0	25.4	70.7	0.0	0.0	0.0	5.0
12	19.0	34.5	26.6	61.0	0.0	0.0	0.0	9.6
13	19.2	34.8	25.0	70.7	2.1	0.0	2.1	9.6
14	19.0	34.0	24.8	70.3	0.0	0.0	0.0	5.4
15	20.1	32.1	26.1	64.7	0.0	0.0	0.0	4.9
16	20.1	34.0	26.7	59.3	0.0	0.0	0.0	7.3
17	20.0	34.2	27.0	64.7	0.0	0.0	0.0	9.2
18	20.1	35.0	28.0	62.3	0.0	0.0	0.0	8.4
19	19.8	34.8	27.3	62.7	0.0	0.0	0.0	4.2
20	20.3	32.2	24.2	73.7	6.3	0.0	6.3	0.0
21	20.0	33.5	26.2	65.3	0.0	0.0	0.0	6.8
22	19.0	35.3	24.3	69.3	14.5	2.9	17.4	7.4
23	18.9	28.5	22.3	80.0	1.8	.2	2.0	8.8
24	18.0	31.5	25.0	62.3	0.0	0.0	0.0	6.9
25	17.8	34.8	26.4	66.0	.5	4.3	4.8	9.3
26	18.0	32.0	23.8	73.3	35.4	.3	35.7	5.4
27	18.2	34.0	24.6	71.3	0.0	53.8	53.8	2.4
28	18.5	30.1	24.0	72.7	.1	.1	.2	5.4
29	20.0	30.8	24.1	73.3	8.2	.4	8.6	4.9
30	20.1	29.5	24.3	73.3	4.6	2.6	7.2	2.9
31	20.3	32.5	24.4	75.3	0.0	0.0	0.0	5.8
Total :				68.6	73.5	79.2	152.7	179.2
Promedio :	19.6	33.0	25.3					
Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	20.9	34.0	25.4	73.3	0.0	.9	.9	6.0
2	21.2	33.0	24.4	53.3	13.7	8.8	22.5	4.6
3	20.9	31.2	24.9	74.3	0.0	16.8	16.8	2.8
4	21.0	33.2	25.2	72.0	.2	0.0	.2	5.9
5	20.0	34.0	24.8	71.3	0.0	0.0	0.0	7.7
6	21.0	32.0	23.8	81.3	1.0	8.0	9.0	3.5
7	20.9	32.2	26.2	72.0	0.0	0.0	0.0	7.5
8	21.0	32.0	24.0	80.7	30.7	0.0	30.7	2.8
9	20.9	32.5	26.0	72.0	0.0	0.0	0.0	2.8
10	20.8	32.0	25.2	73.3	0.0	6.0	6.0	5.9
11	19.8	28.2	22.5	83.0	19.8	0.0	19.8	4.2
12	19.7	31.0	25.0	75.3	0.0	0.0	0.0	5.9
13	20.0	29.5	23.3	79.0	0.0	.3	.3	.9
14	19.9	31.0	25.8	73.3	0.0	0.0	0.0	5.3
15	20.0	31.2	24.7	74.0	4.5	0.0	4.5	6.5
16	19.3	32.5	25.3	72.3	0.0	0.0	0.0	7.1
17	19.8	31.1	23.9	75.3	27.2	42.3	69.5	4.0
18	18.8	30.0	25.0	73.3	0.0	1.3	1.3	5.5
19	20.0	29.5	23.6	78.0	4.2	21.2	25.4	1.5
20	19.0	31.5	24.4	78.7	0.0	0.0	0.0	5.2
21	20.8	32.0	24.4	76.0	0.0	.6	.6	3.9
22	21.0	32.5	25.4	73.3	0.0	0.0	0.0	6.4
23	20.9	30.8	24.7	73.3	0.0	0.0	0.0	1.5
24	20.8	33.2	24.1	76.7	2.2	10.1	12.3	5.4
25	20.5	32.2	25.2	76.0	0.0	5.9	5.9	8.1
26	20.8	27.8	23.0	82.0	3.6	5.7	9.3	5.0
27	21.0	32.2	25.1	72.7	0.0	0.0	0.0	7.5
28	21.3	30.2	24.4	80.0	.2	0.0	.2	6.0
29	19.9	33.2	25.9	73.7	0.0	0.0	0.0	7.5
30	21.8	31.2	24.4	78.7	1.2	0.0	1.2	6.5
31								
Total :	20.5	31.6	24.7	74.9	108.5	127.9	236.4	153.4
Promedio :								

Estación : CANADA  
Año : 1998

Dpto. : VALLE  
Mpio. : ANSERMANUEVO

Latitud : 4 ° 48'N  
Longitud : 75 ° 57'W  
Altitud : 930 m

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	20.8	31.0	23.2	81.3	1.8	20.0	21.8	5.0
2	19.9	30.5	24.4	79.3	.2	30.8	31.0	6.0
3	20.3	27.2	22.0	83.3	71.8	18.2	90.0	3.5
4	19.5	29.2	21.9	80.0	7.5	.2	7.7	3.9
5	19.0	28.2	23.4	77.3	0.0	0.0	0.0	1.0
6	19.5	30.5	23.7	72.7	0.0	0.0	0.0	2.8
7	19.8	32.5	24.2	72.0	0.0	0.0	0.0	7.5
8	20.0	32.0	24.8	76.0	0.0	2.7	2.7	5.8
9	20.2	28.2	24.0	82.0	0.0	0.0	0.0	.7
10	21.0	32.2	26.5	71.3	0.0	0.0	0.0	5.8
11	20.9	32.0	24.2	78.0	27.6	1.1	28.7	6.3
12	20.2	25.2	22.5	88.0	.2	0.0	.2	.1
13	18.2	31.0	25.6	73.0	0.0	0.0	0.0	7.5
14	20.0	34.0	26.2	72.0	0.0	0.0	0.0	7.7
15	21.9	28.0	23.9	84.3	0.0	0.0	0.0	0.0
16	21.0	33.2	26.2	72.0	0.0	0.0	0.0	8.8
17	22.0	33.0	26.0	76.7	0.0	0.0	0.0	2.5
18	21.0	32.0	26.4	74.7	0.0	0.0	0.0	6.2
19	19.5	33.2	26.8	68.7	0.0	0.0	0.0	8.9
20	18.0	34.2	26.8	65.3	0.0	0.0	0.0	7.5
21	19.2	33.2	26.2	69.3	0.0	0.0	0.0	6.8
22	18.5	34.0	26.6	72.0	.1	0.0	.1	6.6
23	21.0	32.0	24.1	82.3	0.0	0.0	0.0	4.6
24	20.0	33.2	26.0	75.3	0.0	0.0	0.0	5.7
25	21.5	29.5	25.5	82.0	0.0	68.9	68.9	.2
26	20.2	27.8	22.5	86.7	3.6	9.5	13.1	.2
27	20.5	29.2	22.9	84.0	1.1	6.4	7.5	2.5
28	20.0	28.2	22.3	85.7	39.2	22.0	61.2	1.6
29	20.1	28.0	23.4	81.3	.4	0.0	.4	1.5
30	20.0	30.2	24.0	80.7	0.0	.2	.2	2.0
31	20.8	32.5	24.4	79.3	0.0	1.3	1.3	4.2
Total :					153.5	181.3	334.8	133.4
Promedio :	20.1	30.8	24.5	77.6				

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	20.2	27.5	23.0	87.3	1.4	39.2	40.6	.8
2	19.0	29.0	23.1	81.3	0.0	1.8	1.8	6.2
3	20.8	30.0	24.4	80.7	0.0	0.0	0.0	3.4
4	19.8	31.2	24.8	78.0	0.0	0.0	0.0	5.9
5	20.7	32.2	24.6	78.0	0.0	0.0	0.0	6.6
6	20.2	31.5	25.3	75.3	0.0	0.0	0.0	6.0
7	20.0	29.8	24.3	80.0	.2	0.0	.2	3.4
8	20.1	31.0	23.6	77.3	0.0	13.3	13.3	5.0
9	20.8	31.2	24.2	80.0	0.0	0.0	0.0	4.7
10	21.0	31.0	24.6	76.7	0.0	0.0	0.0	5.3
11	20.0	32.2	25.8	76.7	.1	0.0	.1	7.7
12	20.3	32.5	25.7	78.7	0.0	0.0	0.0	6.6
13	19.9	35.5	26.4	70.3	0.0	.7	.7	9.3
14	20.2	31.2	25.2	78.0	0.0	0.0	0.0	3.2
15	19.0	28.2	22.0	83.3	35.5	.3	35.8	0.0
16	19.5	30.2	23.4	75.3	0.0	1.5	1.5	4.6
17	18.8	31.6	24.5	69.3	0.0	0.0	0.0	8.0
18	19.2	31.0	24.4	72.0	0.0	0.0	0.0	6.1
19	18.9	31.4	24.1	77.3	0.0	0.0	0.0	5.0
20	20.0	30.5	24.9	79.3	0.0	0.0	0.0	4.2
21	20.9	30.2	24.0	81.7	0.0	.4	.4	3.3
22	19.9	29.2	23.9	76.7	0.0	6.9	6.9	3.8
23	20.0	31.8	24.6	74.0	0.0	14.0	14.0	5.8
24	19.2	31.2	24.4	74.7	0.0	0.0	0.0	7.9
25	20.0	32.0	24.9	78.3	0.0	0.0	0.0	6.6
26	19.9	32.2	25.0	74.7	0.0	6.3	6.3	6.4
27	20.2	29.2	23.4	80.7	0.0	0.0	0.0	.1
28	20.0	30.0	23.0	83.3	.3	0.0	.3	2.8
29	19.9	29.9	23.6	81.3	0.0	0.0	0.0	.6
30	17.8	32.2	24.4	72.0	0.0	0.0	0.0	7.2
Total :					37.5	84.4	121.9	146.5
Promedio :	19.9	30.9	24.3	77.7				

Estación : CANADA  
Año : 1998

Dpto. : VALLE  
Mpio. : ANSERMANUEVO

Latitud : 4 ° 48'N  
Longitud : 75 ° 57'W  
Altitud : 930 m

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.3	33.0	24.2	73.3	0.0	0.0	0.0	8.3
2	18.0	32.2	24.8	76.0	0.0	0.0	0.0	7.5
3	20.1	31.0	25.2	74.7	0.0	13.3	13.3	2.8
4	20.0	30.2	22.8	82.7	2.3	4.9	7.2	6.4
5	20.1	29.8	23.2	83.3	3.2	2.2	5.4	3.0
6	20.0	30.0	23.6	79.3	0.0	3.2	3.2	5.9
7	19.8	28.0	22.5	85.3	.7	0.0	.7	.9
8	19.2	29.5	23.4	77.3	0.0	19.5	19.5	2.9
9	20.0	27.8	23.3	81.3	.8	0.0	.8	2.2
10	20.2	31.6	24.3	78.7	0.0	0.0	0.0	6.1
11	19.9	30.2	24.0	80.0	0.0	0.0	0.0	5.3
12	20.3	31.8	25.1	70.0	0.0	0.0	0.0	6.5
13	19.7	31.2	24.2	72.7	0.0	0.0	0.0	5.3
14	18.2	29.5	23.7	77.7	0.0	0.0	0.0	3.6
15	19.3	30.8	24.6	72.0	0.0	0.0	0.0	6.3
16	20.0	29.2	23.0	80.7	.2	5.4	5.6	4.2
17	19.9	31.0	23.2	77.3	.1	4.3	4.4	7.8
18	20.1	30.9	23.8	73.3	.3	12.3	12.6	8.6
19	19.8	31.2	23.8	77.7	0.0	0.0	0.0	7.0
20	18.5	32.2	24.7	72.7	0.0	0.0	0.0	8.2
21	18.9	32.0	24.4	72.7	0.0	0.0	0.0	7.7
22	19.8	29.2	22.5	91.7	.4	0.0	.4	4.5
23	19.7	30.2	23.8	78.3	0.0	0.0	0.0	5.3
24	18.9	31.2	23.2	80.0	0.0	.6	.6	8.7
25	19.0	29.5	23.0	78.0	.4	0.0	.4	3.3
26	19.1	32.5	24.5	72.7	0.0	0.0	0.0	7.9
27	19.0	33.5	23.8	73.0	1.0	0.0	1.0	5.5
28	17.8	31.2	24.9	67.3	.2	1.8	2.0	7.7
29	18.0	31.0	24.4	77.0	0.0	.2	.2	6.9
30	18.5	30.2	24.4	77.3	0.0	0.0	0.0	3.0
31	18.8	31.0	23.7	74.0	0.0	0.0	0.0	6.7
Total :					9.6	67.7	77.3	176.0
Promedio :	19.3	30.7	23.9	77.0				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.7	32.5	25.2	69.0	0.0	0.0	0.0	8.2
2	18.8	33.5	25.0	71.3	0.0	0.0	0.0	8.3
3	17.5	31.2	25.2	69.3	0.0	0.0	0.0	5.2
4	19.0	31.8	24.9	70.7	0.0	0.0	0.0	3.6
5	20.0	31.2	22.9	78.7	2.9	.6	3.5	4.4
6	19.5	28.2	23.1	80.0	0.0	0.0	0.0	.7
7	20.0	29.0	24.0	74.0	0.0	19.1	19.1	2.1
8	19.5	29.5	23.2	76.0	0.0	0.0	0.0	2.9
9	17.0	33.5	23.9	72.7	0.0	0.0	0.0	7.6
10	17.5	31.5	24.6	70.0	0.0	32.5	32.5	5.4
11	19.0	31.8	24.6	76.7	0.0	0.0	0.0	8.0
12	18.0	32.0	25.0	71.3	0.0	5.2	5.2	6.1
13	19.8	30.2	23.5	78.0	0.0	0.0	0.0	4.3
14	20.0	31.2	24.8	70.7	0.0	0.0	0.0	5.4
15	20.2	27.0	22.8	83.3	0.0	0.0	0.0	0.0
16	19.0	31.0	24.1	77.3	0.0	0.0	0.0	4.7
17	18.8	31.0	23.5	75.3	0.0	0.0	0.0	5.5
18	19.0	32.2	24.8	70.0	0.0	0.0	0.0	7.9
19	19.5	31.0	22.2	82.3	10.1	4.5	14.6	5.3
20	19.7	31.0	23.8	78.0	7.9	.8	8.7	6.9
21	20.0	32.2	23.9	79.3	1.6	0.0	1.6	6.4
22	19.0	32.5	24.0	78.3	0.0	0.0	0.0	5.2
23	18.8	33.0	25.4	76.0	0.0	0.0	0.0	8.0
24	19.8	33.2	25.6	72.0	0.0	2.6	2.6	8.2
25	19.7	29.0	23.1	82.7	1.5	5.7	7.2	3.7
26	19.0	29.2	23.3	78.7	0.0	5.8	5.8	3.4
27	18.0	29.5	23.6	78.0	0.0	0.0	0.0	8.5
28	17.8	32.0	24.7	74.7	0.0	0.0	0.0	6.9
29	18.0	32.5	24.2	74.3	0.0	.8	.8	5.9
30	19.7	33.0	23.8	80.7	0.0	3.7	3.7	6.0
31	18.8	32.2	24.5	73.0	0.0	10.5	10.5	6.5
Total :					24.0	91.8	115.8	171.2
Promedio :	19.0	31.2	24.1	75.6				

Estación : CANADA  
Año : 1998

Dpto. : VALLE  
Mpio. : ANSERMANUEVO

Latitud : 4 ° 48'N  
Longitud : 75 ° 57'W  
Altitud : 930 m

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.2	30.1	24.0	70.3	2.6	10.6	13.2	8.7
2	18.5	29.2	23.2	79.7	0.0	9.9	9.9	4.3
3	19.8	26.2	21.8	83.7	.3	0.0	.3	.8
4	18.2	29.8	22.8	79.3	.9	0.0	.9	5.5
5	18.1	31.2	24.0	77.0	.7	0.0	.7	5.7
6	19.0	32.6	25.8	68.0	0.0	0.0	0.0	7.9
7	19.0	30.0	23.2	81.3	0.0	0.0	0.0	2.3
8	19.1	28.2	22.3	82.7	19.2	0.0	19.2	.6
9	19.0	30.0	24.7	73.3	0.0	0.0	0.0	5.8
10	18.0	28.0	22.8	83.7	0.0	0.0	0.0	1.7
11	18.1	30.0	23.3	73.3	0.0	1.2	1.2	4.3
12	19.0	29.1	22.1	83.7	18.0	3.2	21.2	3.3
13	18.9	30.0	23.8	80.3	0.0	0.0	0.0	5.2
14	19.5	29.5	22.7	83.3	0.0	7.9	7.9	3.1
15	18.2	26.0	21.6	85.3	.8	0.0	.8	.8
16	18.0	31.0	23.7	76.7	0.0	0.0	0.0	6.3
17	18.9	30.0	23.2	77.3	0.0	0.0	0.0	4.3
18	17.9	32.0	23.8	76.3	0.0	0.0	0.0	7.6
19	20.0	30.0	23.8	81.7	0.0	0.0	0.0	5.9
20	19.9	29.2	23.8	78.0	0.0	0.0	0.0	2.0
21	20.0	31.2	23.5	80.0	0.0	0.0	0.0	6.8
22	19.1	30.0	22.3	82.0	3.6	39.7	43.3	3.9
23	18.0	29.0	22.8	81.7	0.0	0.0	0.0	4.4
24	19.0	30.1	24.7	72.0	0.0	0.0	0.0	6.9
25	18.9	32.2	24.1	75.3	0.0	11.0	11.0	7.5
26	19.0	30.0	22.8	80.3	0.0	4.8	4.8	5.3
27	19.1	30.2	23.7	78.0	0.0	0.0	0.0	6.2
28	19.0	31.0	22.2	78.3	12.8	0.0	12.8	6.7
29	17.0	31.1	23.4	74.0	0.0	0.0	0.0	8.5
30	17.2	31.2	25.3	64.7	0.0	0.0	0.0	8.4
Total :					58.9	88.3	147.2	150.7
Promedio :	18.7	29.9	23.4	78.0				
Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.2	32.0	24.4	68.0	0.0	.4	.4	7.2
2	18.2	30.0	23.0	73.3	0.0	0.0	0.0	3.3
3	18.0	30.0	23.5	74.0	0.0	0.0	0.0	4.9
4	17.9	32.0	22.6	76.7	2.4	0.0	2.4	7.8
5	18.8	32.2	23.6	78.3	.3	7.8	8.1	5.6
6	19.0	31.0	23.7	78.0	0.0	.5	.5	3.9
7	19.9	30.0	23.0	82.0	0.0	0.0	0.0	4.0
8	18.0	31.2	24.0	77.3	0.0	0.0	0.0	5.9
9	19.6	31.4	25.0	74.3	0.0	0.0	0.0	3.8
10	19.8	33.2	26.2	69.7	0.0	0.0	0.0	7.8
11	20.0	33.0	25.4	70.0	0.0	0.0	0.0	7.4
12	19.2	29.8	22.2	82.0	0.0	0.0	0.0	4.2
13	17.4	29.0	23.0	76.0	0.0	0.0	0.0	3.8
14	16.2	31.8	24.2	72.0	0.0	0.0	0.0	9.7
15	18.0	31.2	22.9	79.7	11.0	12.0	23.0	8.5
16	17.6	29.2	23.7	71.7	0.0	0.0	0.0	5.8
17	17.0	30.0	22.8	81.0	4.6	1.1	5.7	7.2
18	18.0	30.2	23.7	76.0	0.0	18.3	18.3	9.1
19	19.0	28.0	22.9	84.7	0.0	12.1	12.1	2.5
20	19.2	30.4	23.2	80.0	.4	0.0	.4	5.2
21	19.0	29.6	22.8	82.7	.3	0.0	.3	4.5
22	18.0	28.0	21.8	81.3	0.0	0.0	0.0	3.7
23	18.1	29.0	21.6	81.7	8.5	7.6	16.1	5.3
24	18.2	28.2	21.4	83.3	5.9	14.5	20.4	4.2
25	18.1	28.0	22.2	84.0	.7	26.3	27.0	3.7
26	18.0	30.0	22.4	80.7	0.0	0.0	0.0	8.3
27	19.0	31.0	23.0	79.3	0.0	0.0	0.0	7.7
28	19.2	31.2	24.3	75.7	0.0	2.6	2.6	7.2
29	19.8	30.6	23.2	82.0	0.0	20.8	20.8	6.5
30	19.0	29.8	22.4	84.7	8.8	0.0	8.8	4.0
31	19.4	30.8	23.4	81.7	.3	.9	1.2	6.1
Total :					43.2	124.9	168.1	178.8
Promedio :	18.5	30.4	23.3	78.1				

Estación : CANADA  
Año : 1998

Dpto. : VALLE  
Mpio. : ANSERMANUEVO

Latitud : 4 ° 48'N  
Longitud : 75 ° 57'W  
Altitud : 930 m

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.8	31.0	24.2	75.7	0.0	.1	.1	7.6
2	19.2	31.2	24.3	74.0	0.0	0.0	0.0	7.6
3	20.0	30.2	22.8	81.3	2.0	0.0	2.0	6.8
4	19.4	30.0	22.9	81.7	0.0	.1	.1	3.4
5	18.9	29.2	22.5	80.3	0.0	0.0	0.0	2.8
6	19.8	30.0	23.5	74.7	0.0	13.2	13.2	4.0
7	19.0	29.0	23.0	81.3	0.0	0.0	0.0	3.2
8	18.5	29.2	22.7	84.0	.7	0.0	.7	2.0
9	18.2	30.8	23.0	79.0	0.0	15.2	15.2	6.9
10	17.6	30.0	22.8	77.3	0.0	0.0	0.0	7.5
11	19.2	30.2	22.5	79.7	1.1	0.0	1.1	6.2
12	18.7	28.2	23.1	80.7	1.2	11.0	12.2	2.9
13	18.5	30.0	23.4	78.0	0.0	2.1	2.1	9.0
14	20.0	29.5	23.2	80.0	0.0	0.0	0.0	6.3
15	18.2	31.0	22.7	80.0	9.6	.6	10.2	7.5
16	19.0	31.0	23.0	81.7	0.0	0.0	0.0	7.0
17	19.5	27.2	23.5	85.3	0.0	24.1	24.1	.9
18	19.6	30.2	23.2	77.0	0.0	0.0	0.0	7.2
19	18.2	30.1	23.2	79.3	0.0	0.0	0.0	1.3
20	19.8	28.0	23.6	83.7	0.0	7.3	7.3	3.5
21	18.8	29.0	22.1	85.7	1.3	13.9	15.2	3.8
22	19.0	24.0	21.0	89.0	.7	.1	.8	0.0
23	17.1	31.5	22.8	79.3	0.0	1.5	1.5	9.5
24	19.2	26.2	21.0	94.7	5.7	1.5	7.2	1.7
25	19.0	29.0	22.6	81.3	0.0	2.0	2.0	3.0
26	19.5	29.2	23.5	82.0	1.9	0.0	1.9	5.4
27	19.0	28.2	22.0	87.0	6.1	5.3	11.4	3.2
28	18.9	26.2	21.5	88.7	6.2	.4	6.6	.7
29	18.0	30.0	22.7	80.3	0.0	1.0	1.0	8.2
30	19.0	31.0	22.7	82.0	2.0	1.2	3.2	6.7
31								
Total :					38.5	100.6	139.1	145.8
Promedio :	19.0	29.3	22.8	81.5				
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.1	30.2	23.6	78.0	0.0	2.6	2.6	7.7
2	19.0	25.0	20.8	95.3	5.7	3.4	9.1	.3
3	18.7	29.0	23.0	81.7	0.0	0.0	0.0	7.0
4	18.0	29.2	23.2	74.0	0.0	0.0	0.0	3.8
5	18.2	29.1	22.8	81.3	0.0	0.0	0.0	3.8
6	19.0	27.0	22.1	86.0	0.0	2.4	2.4	1.4
7	19.0	27.6	22.0	87.7	5.5	0.0	5.5	1.6
8	16.8	30.0	23.1	76.0	0.0	0.0	0.0	8.8
9	18.1	30.8	23.2	78.3	0.0	.6	.6	8.1
10	18.9	29.0	23.0	81.3	0.0	9.0	9.0	4.8
11	19.0	29.0	23.6	83.0	0.0	.5	.5	4.0
12	20.0	29.5	22.8	85.0	4.2	.9	5.1	4.4
13	20.0	28.0	22.8	87.3	0.0	0.0	0.0	1.6
14	19.0	32.0	23.9	78.0	0.0	1.9	1.9	7.5
15	19.7	29.5	23.1	86.0	0.0	.3	.3	4.3
16	19.1	24.5	21.5	88.7	0.0	0.0	0.0	0.0
17	18.0	29.8	21.8	80.7	.4	0.0	.4	6.4
18	17.9	30.0	23.4	74.0	0.0	6.3	6.3	5.1
19	18.7	31.0	23.0	75.0	0.0	9.0	9.0	5.9
20	19.0	31.9	22.5	80.7	0.0	0.0	0.0	7.8
21	18.0	29.2	23.5	76.0	0.0	0.0	0.0	5.0
22	18.5	29.8	22.0	84.0	0.0	.2	.2	6.6
23	18.0	30.2	23.3	74.7	0.0	0.0	0.0	8.2
24	18.1	30.8	23.2	78.0	0.0	0.0	0.0	7.0
25	18.8	30.0	22.4	78.3	0.0	.7	.7	8.6
26	19.0	30.5	22.7	77.0	0.0	0.0	0.0	7.9
27	18.0	30.0	23.2	72.7	0.0	3.7	3.7	8.0
28	18.9	30.1	22.8	79.7	0.0	0.0	0.0	4.8
29	19.0	29.2	23.0	78.3	0.0	0.0	0.0	7.7
30	19.5	31.1	23.2	78.7	0.0	0.0	0.0	9.3
31	19.0	31.9	24.4	73.3	0.0	8.4	8.4	8.4
Total :					15.8	49.9	65.7	175.8
Promedio :	18.7	29.5	22.9	80.3				

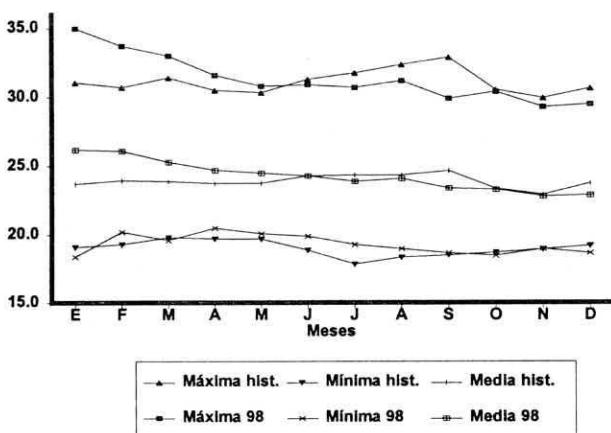
Estación : CANADA  
Año : 1998

Dpto. : VALLE  
Mpio. : ANSERMANUEVO

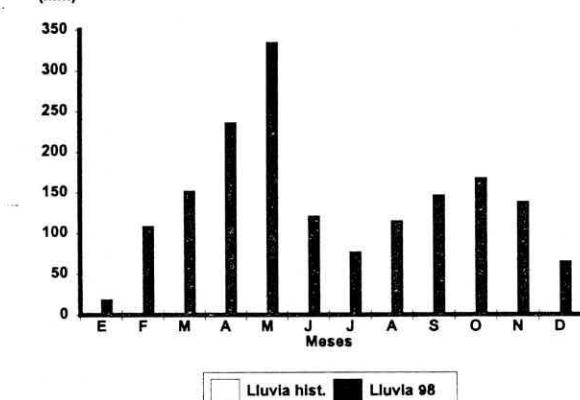
Latitud : 4 ° 48'N  
Longitud : 75 ° 57'W  
Altitud : 930 m

MES	TEMPERATURA °C					PRECIPITACION			
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	18.4	35.0	26.2	38.0	16.2	62.9	19.4	5	241.7
Febrero	20.2	33.7	26.1	37.2	16.9	68.9	109.7	6	167.7
Marzo	19.6	33.0	25.3	36.0	17.8	68.6	152.7	12	179.2
Abril	20.5	31.6	24.7	34.0	18.8	74.9	236.4	19	153.4
Mayo	20.1	30.8	24.5	34.2	18.0	77.6	334.8	15	133.4
Junio	19.9	30.9	24.3	35.5	17.8	77.7	121.9	13	146.5
Julio	19.3	30.7	23.9	33.5	17.3	77.0	77.3	16	176.0
Agosto	19.0	31.2	24.1	33.5	17.0	75.6	115.8	13	171.2
Septiembre	18.7	29.9	23.4	32.6	17.0	78.0	147.2	14	150.7
Octubre	18.5	30.4	23.3	33.2	16.2	78.1	168.1	17	178.8
Noviembre	19.0	29.3	22.8	31.5	17.1	81.5	139.1	22	145.8
Diciembre	18.7	29.5	22.9	32.0	16.8	80.3	65.7	17	175.8
Promedio :	19.3	31.3	24.3			75.1			
Absoluta :				38.0	16.2				
Total :							1688.1	169	2020.2

### TEMPERATURAS (°C)



### LLUVIA (mm)



□ Lluvia hist. ■ Lluvia 98

Estación : ALBAN  
Año : 1998

Dpto. : VALLE  
Mpio. : EL CAIRO

Latitud : 4 ° 46'N  
Longitud : 76 ° 11'W  
Altitud : 1500 m

Enero	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	25.7	20.0	86.3	.9	0.0	.9	2.6
2	15.0	28.8	21.2	78.0	0.0	0.0	0.0	8.7
3	16.4	30.4	21.7	75.0	0.0	0.0	0.0	8.6
4	16.0	31.0	21.8	75.3	0.0	0.0	0.0	8.8
5	15.8	29.7	22.2	78.3	0.0	2.4	2.4	8.0
6	16.2	26.3	21.1	81.0	.5	.8	1.3	2.8
7	16.5	22.2	19.3	86.0	.2	0.0	.2	.1
8	14.0	29.0	20.8	78.3	0.0	0.0	0.0	7.8
9	15.0	25.7	20.0	81.3	0.0	0.0	0.0	6.4
10	14.0	26.6	19.8	81.3	0.0	0.0	0.0	6.3
11	14.9	28.9	20.6	84.7	0.0	0.0	0.0	7.9
12	17.2	26.8	21.0	83.7	0.0	.1	.1	2.8
13	16.0	27.1	20.6	80.3	.8	0.0	.8	5.5
14	16.3	23.1	18.8	87.3	4.8	0.0	4.8	.8
15	14.2	26.1	19.5	84.0	0.0	0.0	0.0	5.0
16	15.5	25.2	20.3	83.0	0.0	0.0	0.0	7.2
17	16.7	26.9	21.2	80.7	0.0	0.0	0.0	5.5
18	16.2	25.3	20.8	83.0	0.0	0.0	0.0	5.8
19	15.8	25.8	20.0	86.3	0.0	0.0	0.0	4.7
20	17.0	27.3	21.8	73.7	0.0	0.0	0.0	3.5
21	14.4	30.2	21.6	74.3	0.0	0.0	0.0	8.8
22	16.0	27.7	21.0	80.7	0.0	0.0	0.0	5.8
23	16.9	25.9	20.5	84.7	0.0	0.0	0.0	6.2
24	16.8	26.6	21.0	80.7	0.0	0.0	0.0	7.2
25	15.8	29.6	21.3	77.3	0.0	0.0	0.0	5.8
26	15.6	30.0	22.1	73.3	0.0	0.0	0.0	8.3
27	16.2	27.0	21.3	80.7	0.0	0.0	0.0	2.9
28	17.0	28.0	21.5	82.3	0.0	0.0	0.0	4.6
29	17.2	30.9	22.5	73.0	0.0	.6	.6	9.4
30	16.0	27.0	21.1	78.7	0.0	.7	.7	0.0
31	15.8	28.1	21.3	80.0	0.0	0.0	0.0	8.6
Total :					7.2	4.6	11.8	176.4
Promedio :	15.9	27.4	20.9	80.4				

Febrero	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.5	29.7	22.8	77.0	0.0	0.0	0.0	8.9
2	17.9	30.2	22.8	77.3	4.8	0.0	4.8	5.2
3	18.7	25.8	21.3	83.3	.1	.1	.2	.9
4	17.8	26.2	21.4	82.7	0.0	0.0	0.0	6.9
5	18.0	23.9	20.3	85.0	0.0	0.0	0.0	.1
6	17.0	25.1	20.9	81.0	0.0	7.6	7.6	2.6
7	16.9	25.5	20.6	82.3	.2	44.2	44.4	4.7
8	17.2	22.0	19.2	93.7	2.9	1.5	4.4	0.0
9	16.1	25.2	20.0	83.7	.1	6.6	6.7	1.0
10	16.9	24.0	18.7	90.7	11.8	0.0	11.8	.7
11	16.0	24.1	19.2	85.3	1.9	0.0	1.9	.6
12	14.9	26.2	20.3	80.7	0.0	0.0	0.0	1.9
13	15.0	25.7	19.8	85.0	1.1	17.5	18.6	6.9
14	15.7	23.1	19.6	84.0	0.0	0.0	0.0	2.9
15	18.2	28.5	21.3	84.7	0.0	0.0	0.0	9.5
16	15.2	27.8	21.9	80.7	0.0	0.0	0.0	9.8
17	13.3	29.5	21.8	77.0	0.0	0.0	0.0	8.8
18	16.0	26.2	20.6	82.0	0.0	0.0	0.0	4.8
19	16.7	25.9	20.8	81.0	0.0	0.0	0.0	2.9
20	16.2	25.2	20.4	79.3	0.0	0.0	0.0	7.1
21	17.2	23.4	19.8	84.0	0.0	0.0	0.0	7.2
22	15.7	26.0	21.0	81.0	0.0	0.0	0.0	8.0
23	17.0	26.5	21.6	79.3	0.0	0.0	0.0	1.6
24	16.4	25.6	20.6	85.0	.9	0.0	.9	4.1
25	17.1	27.5	21.5	82.3	0.0	0.0	0.0	6.5
26	15.2	25.8	20.0	87.7	0.0	0.0	0.0	5.4
27	16.0	26.7	21.6	78.0	0.0	0.0	0.0	6.6
28	16.8	27.4	21.4	79.7	0.0	9.5	9.5	4.0
29								
30								
31								
Total :					23.8	87.0	110.8	129.6
Promedio :	16.4	26.0	20.8	82.6				

Estación : ALBAN  
Año : 1998

Dpto. : VALLE  
Mpio. : EL CAIRO

Latitud : 4 ° 46'N  
Longitud : 76 ° 11'W  
Altitud : 1500 m

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.9	28.5	20.8	80.0	0.0	0.0	0.0	5.5
2	16.0	24.5	20.4	83.7	0.0	0.0	0.0	.2
3	15.9	29.5	21.8	81.7	0.0	0.0	0.0	7.2
4	17.8	27.0	22.0	78.7	0.0	0.0	0.0	4.7
5	17.9	26.8	20.9	82.7	17.4	0.0	17.4	3.1
6	16.0	26.7	20.6	85.0	2.4	0.0	2.4	3.4
7	16.4	25.2	19.6	88.0	19.6	1.1	20.7	2.8
8	15.8	26.0	20.7	86.7	12.8	0.0	12.8	6.0
9	16.2	25.5	19.7	89.7	17.9	0.0	17.9	3.6
10	15.5	26.5	20.9	81.7	0.0	.2	.2	5.4
11	18.2	27.0	21.2	82.7	0.0	0.0	0.0	5.9
12	17.2	27.5	21.4	81.0	0.0	0.0	0.0	8.8
13	17.6	28.0	21.6	79.3	0.0	0.0	0.0	7.5
14	16.5	27.6	21.4	79.0	1.6	0.0	1.6	4.9
15	16.5	25.0	20.7	84.7	0.0	0.0	0.0	4.0
16	17.0	25.5	20.6	82.0	0.0	0.0	0.0	3.2
17	16.0	27.0	21.1	84.7	0.0	0.0	0.0	6.4
18	17.0	28.5	21.5	84.0	0.0	.2	.2	7.6
19	17.2	28.0	21.6	81.3	0.0	0.0	0.0	2.5
20	17.0	25.0	20.3	88.7	.1	0.0	.1	1.0
21	17.1	27.6	22.3	79.3	0.0	0.0	0.0	4.0
22	16.0	28.5	20.8	71.3	2.2	7.2	9.4	5.1
23	16.1	23.2	18.8	88.0	.4	2.1	2.5	.8
24	16.7	27.0	19.9	83.0	3.2	0.0	3.2	2.7
25	15.0	27.4	20.9	85.0	.9	2.2	3.1	7.2
26	15.2	26.0	20.9	80.0	0.0	.6	.6	2.3
27	16.0	24.0	20.2	86.0	4.0	.4	4.4	1.4
28	17.0	24.7	20.2	85.7	.2	.3	.5	2.2
29	16.0	25.9	20.5	81.7	12.6	0.0	12.6	1.8
30	16.5	23.7	19.8	89.3	9.9	0.0	9.9	.5
31	16.7	25.5	20.9	85.7	0.0	0.0	0.0	2.4
Total :					105.2	14.3	119.5	
Promedio :	16.5	26.4	20.8	83.2				124.1
Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.7	28.0	21.1	84.0	2.7	0.0	2.7	4.6
2	16.5	25.1	19.8	85.0	.4	9.6	10.0	2.8
3	16.0	25.5	20.9	81.7	.8	9.5	10.3	2.5
4	16.9	28.0	20.3	86.3	4.8	0.0	4.8	3.8
5	14.8	26.6	20.4	85.7	0.0	0.0	0.0	7.0
6	17.2	25.0	20.2	88.7	2.9	7.3	10.2	1.3
7	16.5	27.0	21.2	84.3	0.0	0.0	0.0	6.2
8	18.3	25.2	21.3	84.7	.3	0.0	.3	2.4
9	17.6	26.3	21.3	81.3	0.0	0.0	0.0	1.8
10	17.0	26.8	20.6	87.3	7.3	1.0	8.3	3.8
11	17.9	23.7	19.2	90.3	2.9	1.4	4.3	.1
12	15.7	26.0	19.9	85.3	0.0	0.0	0.0	5.8
13	16.4	24.0	20.2	86.3	1.3	.3	1.6	.4
14	17.8	26.6	21.6	81.0	0.0	0.0	0.0	4.4
15	18.5	27.0	21.8	83.3	2.0	.2	2.2	0.0
16	18.0	27.4	21.9	80.7	.2	0.0	.2	4.2
17	17.2	26.5	21.2	84.7	0.0	10.7	10.7	1.5
18	18.0	25.8	21.0	88.3	1.5	0.0	1.5	4.6
19	17.7	25.0	20.6	85.3	3.7	6.2	9.9	1.4
20	18.0	28.2	21.0	84.7	8.2	0.0	8.2	3.3
21	17.0	26.0	20.4	87.7	.1	0.0	.1	4.0
22	17.0	29.0	21.4	82.7	5.0	.1	5.1	4.5
23	18.7	25.5	21.1	84.0	.2	0.0	.2	0.0
24	18.5	26.6	21.6	81.7	1.8	5.2	7.0	4.5
25	17.4	26.0	21.4	83.7	0.0	.6	.6	5.7
26	17.5	24.0	19.8	91.7	15.7	6.1	21.8	.2
27	17.2	28.5	21.0	80.0	38.1	0.0	38.1	7.0
28	18.0	25.5	20.0	85.7	0.0	.5	.5	1.1
29	16.6	26.4	20.3	85.3	1.2	0.0	1.2	4.8
30	18.2	26.0	20.7	83.7	10.5	0.0	10.5	1.8
Total :					111.6	58.7	170.3	
Promedio :	17.3	26.2	20.8	84.8				95.5

Estación : ALBAN  
Año : 1998

Dpto. : VALLE  
Mpio. : EL CAIRO

Latitud : 4 ° 46' N  
Longitud : 76 ° 11' W  
Altitud : 1500 m

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.2	24.5	20.0	88.0	8.0	0.0	8.0	.6
2	17.5	26.5	21.2	82.3	.2	2.4	2.6	1.7
3	17.0	23.4	19.2	87.0	1.2	7.8	9.0	.4
4	16.2	25.6	19.2	84.3	7.3	1.6	8.9	.6
5	16.3	24.0	19.8	79.7	.7	0.0	.7	.7
6	15.5	26.0	19.2	81.3	21.1	.2	21.3	1.8
7	16.0	26.2	19.6	85.7	.3	0.0	.3	5.9
8	16.2	27.2	21.0	82.7	0.0	0.0	0.0	5.3
9	16.5	25.8	20.5	84.3	0.0	0.0	0.0	1.7
10	17.5	27.0	20.2	88.7	14.7	0.0	14.7	4.3
11	18.0	26.5	20.7	84.3	.2	4.1	4.3	4.5
12	18.0	24.2	20.3	86.7	10.8	0.0	10.8	1.2
13	16.5	28.3	21.6	81.7	0.0	0.0	0.0	8.3
14	16.0	26.7	21.4	82.0	0.0	1.4	1.4	6.2
15	18.5	23.2	20.7	86.3	0.0	0.0	0.0	0.0
16	16.0	29.0	22.5	77.7	0.0	0.0	0.0	9.6
17	19.0	27.5	22.3	83.3	0.0	0.0	0.0	2.1
18	18.8	29.5	23.0	76.7	0.0	.5	.5	7.1
19	17.0	30.5	23.0	76.0	0.0	0.0	0.0	8.9
20	16.2	29.2	22.0	82.0	0.0	0.0	0.0	8.3
21	18.5	28.4	21.5	83.3	0.0	0.0	0.0	2.2
22	15.4	27.0	21.2	84.7	0.0	0.0	0.0	6.4
23	18.0	26.0	20.8	87.7	2.2	0.0	2.2	2.1
24	16.9	26.5	20.6	92.7	9.2	.1	9.3	.9
25	18.4	25.8	21.4	83.3	0.0	16.1	16.1	1.2
26	18.2	26.0	20.0	84.0	9.6	0.0	9.6	3.1
27	17.3	25.0	19.0	89.7	8.5	.6	9.1	0.0
28	17.0	23.5	19.2	87.0	9.8	0.0	9.8	.6
29	16.0	26.2	19.6	84.7	1.0	.2	1.2	2.5
30	16.1	26.0	21.4	82.3	0.0	0.0	0.0	1.3
31	17.3	26.8	20.7	82.7	1.2	1.0	2.2	2.7
Total :					106.0	36.0	142.0	102.2
Promedio :	17.1	26.4	20.7	84.0				

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.7	25.5	19.6	81.3	5.5	4.8	10.3	1.2
2	14.8	25.6	19.0	85.3	0.0	.6	.6	7.3
3	17.0	26.0	20.2	85.7	0.0	0.0	0.0	3.7
4	16.0	27.5	20.6	81.3	0.0	6.4	6.4	4.8
5	15.2	27.8	21.2	79.0	0.0	0.0	0.0	7.2
6	17.2	26.8	20.6	84.3	0.0	0.0	0.0	4.8
7	16.7	26.0	20.0	85.7	20.5	0.0	20.5	3.1
8	17.5	26.6	19.6	84.7	29.5	8.9	38.4	3.6
9	17.0	28.0	21.0	81.3	0.0	0.0	0.0	6.4
10	17.1	26.0	20.5	82.0	0.0	0.0	0.0	7.6
11	16.0	26.2	20.9	82.7	0.0	0.0	0.0	8.7
12	16.3	28.6	21.6	78.7	0.0	0.0	0.0	5.4
13	16.5	30.0	22.0	76.0	0.0	0.0	0.0	2.7
14	16.1	27.0	21.5	80.3	0.0	1.1	1.1	0.0
15	17.0	24.0	19.3	88.0	8.9	.9	9.8	5.3
16	16.2	26.0	19.4	82.3	14.2	2.1	16.3	7.6
17	15.5	27.8	20.4	79.7	1.3	0.0	1.3	4.1
18	16.6	26.5	20.0	81.3	0.0	0.0	0.0	2.6
19	15.0	25.5	19.8	84.7	10.9	0.0	10.9	3.8
20	16.4	25.8	20.1	84.0	2.5	0.0	2.5	.9
21	17.6	25.0	20.2	86.3	.6	2.8	3.4	4.2
22	17.0	24.5	20.0	83.3	0.0	3.5	3.5	4.7
23	16.4	26.0	19.7	83.3	.3	4.0	4.3	8.5
24	16.5	25.5	20.5	83.0	0.0	0.0	0.0	6.1
25	16.6	25.3	20.4	84.0	0.0	0.0	0.0	4.6
26	17.0	25.5	20.8	84.0	1.2	0.0	1.2	0.0
27	16.2	24.2	19.1	87.7	.1	1.1	1.2	2.0
28	16.8	24.8	20.1	85.7	1.0	1.9	2.9	.1
29	17.2	25.5	20.4	79.7	0.0	0.0	0.0	8.5
30	13.9	28.5	20.6	74.0	0.0	0.0	0.0	
31								
Total :					96.5	38.1	134.6	134.0
Promedio :	16.4	26.3	20.3	82.6				

Estación : ALBAN  
Año : 1998

Dpto. : VALLE  
Mpio. : EL CAIRO

Latitud : 4 ° 46' N  
Longitud : 76 ° 11' W  
Altitud : 1500 m

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	13.2	27.5	20.2	81.3	.1	0.0	.1	9.3
2	14.0	26.5	20.2	82.0	0.0	.1	.1	5.5
3	16.3	24.3	19.8	86.3	0.0	13.1	13.1	2.4
4	16.0	24.0	19.2	86.0	1.3	3.3	4.6	3.4
5	15.7	22.0	18.2	88.7	1.7	.1	1.8	1.1
6	15.0	25.5	19.1	83.7	27.1	0.0	27.1	5.1
7	16.3	24.0	19.0	82.7	2.7	0.0	2.7	2.0
8	15.8	24.5	18.6	87.3	.8	1.5	2.3	2.5
9	16.0	25.5	19.6	86.0	1.2	0.0	1.2	3.1
10	16.4	26.5	20.4	79.0	0.0	.3	.3	5.3
11	17.0	25.0	19.8	83.3	3.3	0.0	3.3	7.3
12	16.5	26.5	20.3	82.3	0.0	0.0	0.0	3.6
13	16.0	27.0	20.6	80.7	0.0	0.0	0.0	6.4
14	15.5	25.0	19.4	84.3	.2	0.0	.2	3.4
15	15.5	25.0	19.1	81.7	2.4	0.0	2.4	5.4
16	15.6	23.5	18.4	85.7	6.5	.7	7.2	2.4
17	16.0	25.5	19.0	86.3	7.3	2.0	9.3	4.7
18	16.2	23.7	19.2	85.7	3.9	5.3	9.2	3.5
19	16.0	27.0	19.4	83.7	20.8	.1	20.9	5.8
20	15.4	26.0	19.2	87.0	0.0	0.0	0.0	8.3
21	15.2	26.5	20.1	81.3	0.0	.4	.4	6.2
22	16.0	24.0	18.9	86.3	.3	.5	.8	4.3
23	16.5	25.5	19.4	85.3	1.1	0.0	1.1	3.8
24	15.3	25.6	19.2	86.7	5.3	.1	5.4	5.3
25	15.9	24.0	19.2	86.3	.8	0.0	.8	5.7
26	15.0	29.0	20.8	77.3	0.0	.3	.3	6.6
27	16.5	26.0	20.3	82.0	0.0	0.0	0.0	6.0
28	17.0	26.8	20.8	80.3	0.0	.9	.9	5.9
29	16.8	28.0	20.8	78.0	0.0	0.0	0.0	6.1
30	16.4	25.6	20.2	83.3	.8	.1	.9	2.8
31	16.0	26.7	19.6	79.7	0.0	0.0	0.0	6.3
Total :					87.6	28.8	116.4	149.5
Promedio :	15.8	25.6	19.6	83.6				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.8	28.4	21.4	75.3	0.0	6.5	6.5	7.0
2	17.8	28.0	21.9	78.0	.1	0.0	.1	6.7
3	16.5	28.0	20.2	82.7	0.0	0.0	0.0	4.8
4	16.2	25.5	19.6	85.3	0.0	3.7	3.7	3.6
5	16.8	24.3	19.7	86.0	1.1	6.4	7.5	1.1
6	16.0	22.0	18.2	89.0	.5	0.0	.5	.2
7	15.0	23.6	18.7	82.7	9.6	17.2	26.8	2.9
8	15.2	24.0	19.0	84.3	0.0	0.0	0.0	.6
9	13.0	27.5	20.0	83.0	0.0	0.0	0.0	7.8
10	15.8	25.5	18.9	82.7	0.0	26.9	26.9	5.0
11	15.5	26.4	20.5	82.0	0.0	0.0	0.0	8.0
12	15.0	25.5	19.7	85.0	0.0	5.2	5.2	5.6
13	15.5	25.0	19.4	84.3	.9	0.0	.9	3.9
14	15.4	23.4	19.0	85.7	6.4	.2	6.6	3.7
15	15.2	24.5	18.8	85.7	4.1	0.0	4.1	1.0
16	15.0	26.2	20.0	84.7	0.0	2.7	2.7	4.3
17	15.6	26.0	19.9	84.0	9.6	0.0	9.6	4.1
18	15.0	24.6	19.1	85.3	0.0	.1	.1	6.3
19	16.1	25.5	18.8	84.3	1.3	0.0	1.3	3.2
20	16.0	26.8	19.8	82.7	.9	1.8	2.7	4.1
21	15.0	25.5	19.8	79.7	0.0	0.0	0.0	5.3
22	15.5	26.0	19.4	86.7	22.2	0.0	22.2	5.8
23	15.0	26.5	20.0	84.0	.1	.2	.3	7.7
24	16.5	26.8	20.8	82.3	0.0	.4	.4	7.1
25	17.0	24.2	18.6	89.7	3.2	9.6	12.8	1.6
26	16.0	23.5	19.0	83.0	0.0	4.0	4.0	2.6
27	15.0	26.0	19.8	85.0	0.0	0.0	0.0	4.4
28	15.8	26.5	20.3	80.7	0.0	0.0	0.0	7.8
29	15.3	25.4	20.0	82.7	0.0	.1	.1	4.7
30	16.6	26.0	20.5	84.0	7.6	5.0	12.6	3.2
31	17.0	24.8	19.4	83.3	0.0	0.0	0.0	5.0
Total :					67.6	90.0	157.6	139.1
Promedio :	15.7	25.5	19.7	83.7				

Estación : ALBAN  
Año : 1998

Dpto. : VALLE  
Mpio. : EL CAIRO

Latitud : 4 ° 46' N  
Longitud : 76 ° 11' W  
Altitud : 1500 m

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.0	24.4	19.1	86.0	.6	0.0	.6	3.4
2	17.0	25.0	19.6	85.3	0.0	18.2	18.2	3.3
3	16.2	23.0	18.8	82.7	7.1	0.0	7.1	1.3
4	14.0	24.9	18.2	84.7	33.0	0.0	33.0	5.0
5	14.2	27.0	20.0	80.7	0.0	1.1	1.1	5.2
6	15.9	25.7	20.2	84.7	0.0	0.0	0.0	7.9
7	15.1	24.3	19.5	82.7	.5	.4	.9	1.9
8	16.0	23.0	17.7	91.0	5.6	0.0	5.6	.5
9	16.1	24.0	19.3	85.0	.1	.9	1.0	3.6
10	14.8	24.1	18.8	87.7	.2	0.0	.2	1.9
11	14.0	24.6	19.3	81.0	.1	0.0	.1	2.4
12	16.0	23.2	17.9	87.7	2.6	8.6	11.2	1.2
13	15.4	25.8	19.4	82.7	0.0	1.9	1.9	1.8
14	15.0	25.9	19.4	88.0	4.0	15.2	19.2	2.5
15	15.0	23.2	18.3	80.3	.4	.3	.7	.4
16	15.2	27.1	21.1	81.0	0.0	0.0	0.0	5.2
17	15.0	25.8	18.9	82.3	0.0	0.0	0.0	3.5
18	14.0	28.1	20.0	82.3	0.0	.9	.9	5.6
19	15.7	25.0	19.3	86.0	1.0	0.0	1.0	5.1
20	15.0	25.2	18.9	86.0	17.3	4	17.7	1.7
21	16.4	25.4	19.7	88.3	0.0	0.0	0.0	4.3
22	15.0	25.0	19.6	82.0	0.0	18.2	18.2	2.7
23	16.0	26.8	19.5	81.3	3.2	0.0	3.2	2.9
24	15.9	25.5	20.4	81.0	0.0	0.0	0.0	7.9
25	16.2	24.2	19.5	84.7	2.0	4.0	6.0	0.0
26	16.0	24.0	18.9	86.3	3.3	3.4	6.7	1.6
27	16.0	25.2	19.2	84.7	0.0	1.8	1.8	4.4
28	16.2	25.0	20.0	83.7	0.0	0.0	0.0	4.1
29	15.2	26.2	20.7	79.7	0.0	0.0	0.0	8.0
30	15.6	27.8	21.6	79.3	0.0	0.0	0.0	8.0
31								
Total					81.0	75.3	156.3	
Promedio :	15.4	25.1	19.4	84.0				107.3

Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	26.0	21.4	81.0	0.0	.5	.5	4.5
2	16.6	27.8	20.7	82.0	0.0	0.0	0.0	5.2
3	17.0	25.0	19.3	84.0	0.0	0.0	0.0	3.8
4	15.2	25.8	20.0	81.7	.4	.2	.6	6.9
5	17.2	27.1	21.1	80.0	0.0	15.7	15.7	3.7
6	17.0	25.1	19.8	84.0	2.2	.2	2.4	3.1
7	17.4	23.0	18.8	87.7	0.0	0.0	0.0	.8
8	16.0	26.0	20.0	84.7	0.0	0.0	0.0	4.7
9	16.4	26.5	21.0	84.0	0.0	0.0	0.0	2.9
10	18.0	28.0	21.7	77.7	0.0	0.0	0.0	8.0
11	17.9	26.6	20.6	77.3	0.0	0.0	0.0	7.7
12	16.0	24.6	18.4	90.0	13.0	0.0	13.0	2.1
13	14.0	24.0	18.8	82.3	1.2	0.0	1.2	3.3
14	13.6	25.5	19.4	81.0	0.0	0.0	0.0	7.8
15	15.8	26.8	20.6	82.7	1.4	11.0	12.4	6.0
16	15.0	26.2	19.6	82.7	0.0	0.0	0.0	3.0
17	15.4	24.8	19.1	83.0	1.3	.8	2.1	3.6
18	15.8	26.4	19.8	81.0	.1	14.0	14.1	6.6
19	17.0	26.0	19.8	83.7	.1	3.6	3.7	2.2
20	17.0	24.0	19.4	85.7	0.0	0.0	0.0	1.6
21	16.0	24.8	18.9	86.7	4.2	0.0	4.2	1.7
22	14.5	23.5	18.5	85.0	0.0	0.0	0.0	3.3
23	16.0	23.0	18.0	91.7	13.4	11.6	25.0	1.3
24	14.8	22.0	17.7	86.7	.6	11.3	11.9	3.2
25	15.0	24.1	18.8	85.0	1.6	16.2	17.8	2.0
26	15.2	24.2	19.4	83.7	0.0	0.0	0.0	5.0
27	17.0	25.1	19.8	85.3	1.1	0.0	1.1	.9
28	16.0	25.4	19.8	82.7	0.0	.5	.5	3.9
29	17.0	25.2	19.8	85.7	0.0	.2	.2	2.5
30	16.5	25.1	20.1	83.0	7.9	5.3	13.2	2.7
31	16.8	24.0	19.6	87.3	4.3	.1	4.4	.8
Total					52.8	91.2	144.0	
Promedio :	16.2	25.2	19.7	83.8				114.8

Estación : ALBAN  
Año : 1998

Dpto. : VALLE  
Mpio. : EL CAIRO

Latitud : 4 ° 46' N  
Longitud : 76 ° 11' W  
Altitud : 1500 m

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	25.0	20.1	82.3	0.0	0.0	0.0	2.7
2	17.0	25.1	19.8	85.0	0.0	0.0	0.0	3.4
3	17.0	25.0	19.4	88.0	1.8	0.0	1.8	3.3
4	17.0	22.4	18.8	83.3	5.5	0.0	5.5	.2
5	15.5	22.9	18.5	85.0	1.7	1.4	3.1	.7
6	16.5	25.8	19.6	82.0	1.3	.3	1.6	3.9
7	16.4	25.0	19.0	83.3	8.1	0.0	8.1	3.3
8	16.0	24.6	19.2	84.7	0.0	1.3	1.3	3.0
9	15.5	25.0	19.8	79.7	0.0	4.7	4.7	4.3
10	16.0	25.7	19.6	82.3	0.0	.4	.4	5.4
11	17.1	25.8	20.2	82.7	0.0	.8	.8	5.2
12	17.0	23.4	19.4	84.3	4.6	4.3	8.9	.5
13	16.8	24.9	19.9	81.3	0.0	16.2	16.2	2.4
14	16.9	24.8	19.6	84.3	1.5	1.9	3.4	1.5
15	16.6	25.6	19.6	86.0	.3	.1	.4	1.8
16	16.7	25.5	20.2	82.0	0.0	0.0	0.0	5.3
17	16.8	24.0	19.8	88.3	0.0	1.1	1.1	.5
18	16.9	25.4	19.6	84.3	21.2	0.0	21.2	2.9
19	16.5	23.6	18.6	88.0	0.0	0.0	0.0	.3
20	16.6	25.4	20.2	82.3	1.0	1.5	2.5	1.9
21	15.5	24.0	18.8	86.7	1.6	4.0	5.6	1.5
22	16.4	23.0	18.5	80.7	3.1	0.0	3.1	.2
23	14.5	26.7	19.7	81.0	0.0	4.9	4.9	8.1
24	17.0	23.5	18.6	82.7	13.5	5.4	18.9	.5
25	15.6	25.1	19.3	87.3	0.0	0.0	0.0	1.9
26	16.5	24.5	19.7	83.0	2.2	2.4	4.6	2.4
27	16.4	24.5	18.9	89.0	18.4	0.0	18.4	.8
28	16.2	19.5	17.6	92.3	7.8	0.0	7.8	0.0
29	14.6	25.0	19.4	81.7	0.0	5.2	5.2	5.1
30	16.0	24.1	18.7	87.0	4.3	0.0	4.3	3.6
31								
Total :					97.9	55.9	153.8	76.6
Promedio :	16.3	24.5	19.3	84.3				

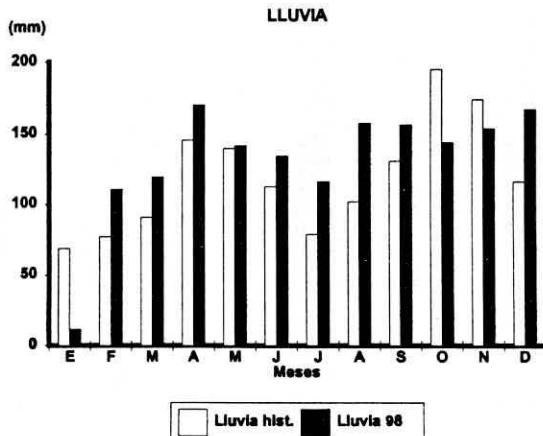
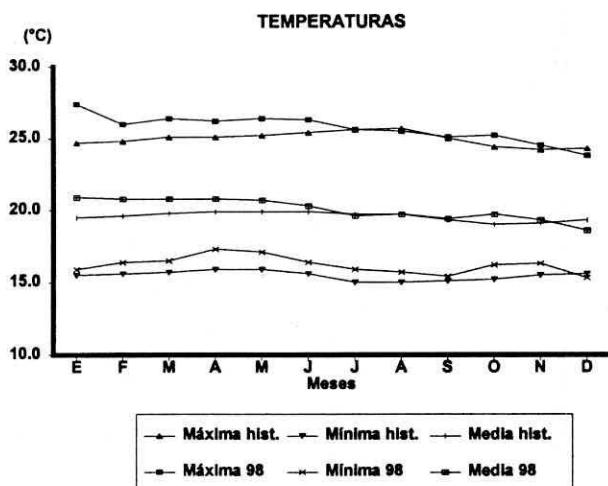
Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.0	24.0	18.2	88.7	2.7	19.7	22.4	3.3
2	15.8	20.2	17.2	92.0	8.1	0.0	8.1	.2
3	14.1	24.6	17.7	89.7	0.0	0.0	0.0	4.1
4	14.8	25.0	18.6	82.3	.2	0.0	.2	1.3
5	14.0	24.1	18.6	84.0	0.0	3.5	3.5	2.4
6	15.0	22.3	18.3	86.3	3.1	31.8	34.9	1.2
7	15.0	22.7	18.3	83.0	13.2	0.0	13.2	1.2
8	13.4	23.8	18.0	83.7	0.0	1.1	1.1	5.0
9	16.0	24.1	17.9	87.3	0.0	0.0	0.0	4.3
10	15.0	24.0	18.6	85.7	0.0	2.5	2.5	2.2
11	16.4	23.8	18.8	87.0	16.6	3.4	20.0	1.1
12	16.2	23.2	19.0	86.7	.1	.6	.7	1.2
13	16.0	24.0	19.5	87.7	.2	0.0	.2	1.2
14	16.5	25.8	20.0	81.0	0.0	.2	.2	5.0
15	16.8	25.1	19.8	85.7	0.0	.1	.1	1.8
16	16.4	20.1	18.2	91.7	0.0	0.0	0.0	0.0
17	15.0	24.1	17.9	86.0	7.0	0.0	7.0	2.0
18	14.0	23.8	18.8	87.0	0.0	3.5	3.5	2.1
19	15.8	24.2	19.2	83.0	.2	0.0	.2	5.0
20	16.0	24.5	19.2	82.3	1.9	.5	2.4	3.9
21	14.2	25.0	19.2	84.7	0.0	0.0	0.0	2.2
22	15.4	24.2	18.7	82.7	1.6	27.2	28.8	5.1
23	15.9	24.1	19.0	83.3	1.2	0.0	1.2	2.9
24	14.1	24.0	18.6	82.0	0.0	0.0	0.0	2.9
25	15.8	22.1	18.4	87.0	1.6	2.8	4.4	2.1
26	16.0	23.9	18.4	85.7	5.8	0.0	5.8	1.6
27	15.2	23.0	18.2	84.0	0.0	0.0	0.0	2.6
28	15.8	22.8	18.4	88.3	0.0	0.0	0.0	1.3
29	15.2	23.9	18.4	83.3	.1	0.0	.1	1.2
30	15.9	25.2	19.0	83.3	2.2	0.0	2.2	2.9
31	15.1	25.1	19.5	83.7	.1	4.1	4.2	4.1
Total :					65.9	101.0	166.9	77.4
Promedio :	15.3	23.8	18.6	85.4				

Estación : ALBAN  
Año : 1998

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.	Días Lluvia	Brillo Sol. (h)
Enero	15.9	27.4	20.9	31.0	14.0	80.4	11.8	9	176.4
Febrero	16.4	28.0	20.8	30.2	13.3	82.6	110.8	11	129.6
Marzo	16.5	26.4	20.8	29.5	15.0	83.2	119.5	18	124.1
Abril	17.3	26.2	20.8	29.0	14.8	84.8	170.3	25	95.5
Mayo	17.1	26.4	20.7	30.5	15.4	84.0	142.0	20	102.2
Junio	16.4	26.3	20.3	30.0	13.9	82.6	134.6	17	134.0
Julio	15.9	25.6	19.6	29.0	13.2	83.6	116.4	25	149.5
Agosto	15.7	25.5	19.7	28.4	13.0	83.7	157.6	23	139.1
Septiembre	15.4	25.1	19.4	28.1	14.0	84.0	156.3	22	107.3
Octubre	16.2	25.2	19.7	28.0	13.6	83.8	144.0	19	114.8
Noviembre	16.3	24.5	19.3	26.7	14.5	84.4	153.8	25	76.6
Diciembre	15.3	23.8	18.6	25.8	13.4	85.4	166.9	24	77.4
Promedio :	16.2	25.7	20.1			83.5			
Absoluta :				31.0	13.0				
Total :							1584.0	238	1426.5



Estación : ARTURO GOMEZ  
Año : 1998

Dpto. : VALLE  
Mpio. : ALCALA

Latitud : 4 ° 40' N  
Longitud : 75 ° 47' W  
Altitud : 1320 m

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	30.0	23.1	68.0	0.0	0.0	0.0	5.6
2	15.5	30.5	23.8	69.0	0.0	0.0	0.0	9.7
3	16.5	32.0	24.0	65.7	0.0	0.0	0.0	9.5
4	17.0	33.0	25.0	64.3	0.0	0.0	0.0	9.5
5	17.5	32.0	22.0	73.7	.1	0.0	.1	9.3
6	17.5	27.2	22.8	75.7	0.0	.3	.3	2.1
7	18.5	27.5	21.2	81.3	11.4	0.0	11.4	.9
8	16.5	31.5	23.0	69.3	0.0	0.0	0.0	9.5
9	16.9	30.0	23.7	64.0	0.0	0.0	0.0	7.3
10	16.0	31.0	24.3	66.0	0.0	0.0	0.0	9.4
11	17.0	32.5	24.6	62.3	0.0	0.0	0.0	9.3
12	17.5	29.5	23.7	73.3	0.0	0.0	0.0	.9
13	17.9	31.0	23.1	66.7	0.0	.5	.5	5.5
14	18.0	28.0	21.8	76.3	.4	0.0	.4	2.6
15	17.5	30.8	24.4	65.7	0.0	0.0	0.0	7.4
16	16.5	30.5	23.9	66.3	0.0	0.0	0.0	6.7
17	17.5	31.5	24.2	66.7	0.0	0.0	0.0	8.6
18	16.0	31.0	22.8	65.7	0.0	0.0	0.0	6.7
19	17.3	30.8	24.7	63.7	0.0	0.0	0.0	4.6
20	17.5	30.5	24.2	64.0	0.0	0.0	0.0	4.6
21	17.0	33.0	24.9	61.3	.1	0.0	.1	8.2
22	18.0	32.0	25.0	61.0	0.0	0.0	0.0	7.2
23	18.5	32.5	24.2	71.3	0.0	.1	.1	7.6
24	18.0	32.0	24.8	63.3	0.0	0.0	0.0	8.0
25	17.5	32.4	25.2	61.3	0.0	0.0	0.0	8.0
26	16.0	33.0	24.8	61.7	0.0	0.0	0.0	9.1
27	17.0	31.0	24.1	64.3	0.0	0.0	0.0	7.8
28	18.0	30.5	23.1	74.7	0.0	0.0	0.0	4.7
29	16.5	34.0	23.2	68.0	.8	.5	1.3	9.3
30	18.5	31.5	24.3	69.0	0.0	0.0	0.0	5.7
31	17.5	33.5	25.6	63.7	0.0	0.0	0.0	9.3
Total :					12.8	1.4	14.2	214.6
Promedio :	17.3	31.2	23.9	67.3				

Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.5	34.0	26.0	54.7	0.0	0.0	0.0	9.2
2	19.0	32.5	23.9	73.0	2.1	0.0	2.1	4.8
3	19.0	30.5	22.1	76.7	21.2	0.0	21.2	1.2
4	18.0	30.8	25.2	63.3	0.0	0.0	0.0	7.0
5	19.9	27.2	22.9	76.0	.3	0.0	.3	0.0
6	19.3	30.5	25.2	65.3	0.0	.1	.1	3.5
7	19.5	31.0	24.0	69.0	0.0	42.9	42.9	4.2
8	19.0	24.0	21.4	85.0	4.8	2.4	7.2	0.0
9	18.0	25.0	21.6	79.0	0.0	.9	.9	.1
10	18.8	24.8	21.7	81.3	0.0	0.0	0.0	.3
11	18.9	26.0	22.1	75.7	0.0	0.0	0.0	0.0
12	18.5	28.2	22.3	73.0	0.0	0.0	0.0	5.8
13	16.5	30.5	22.6	69.7	0.0	4.8	4.8	5.2
14	18.0	27.0	22.2	76.0	1.3	.7	2.0	1.0
15	17.8	30.5	24.2	69.0	0.0	0.0	0.0	9.4
16	17.5	32.0	25.1	54.3	0.0	0.0	0.0	9.8
17	16.0	32.5	25.0	55.7	0.0	0.0	0.0	9.5
18	18.0	30.4	24.4	66.0	0.0	0.0	0.0	5.7
19	19.5	29.5	24.0	66.3	0.0	0.0	0.0	3.7
20	18.5	30.0	24.2	63.0	0.0	0.0	0.0	6.2
21	19.0	29.2	24.5	64.0	0.0	0.0	0.0	5.0
22	19.0	31.0	24.2	67.0	0.0	0.0	0.0	5.9
23	20.0	28.8	23.9	67.0	0.0	0.0	0.0	2.6
24	19.0	29.5	24.6	66.7	0.0	0.0	0.0	5.1
25	17.5	32.0	24.6	67.0	0.0	0.0	0.0	7.3
26	17.0	29.5	22.0	76.3	3.1	0.0	3.1	6.5
27	18.3	31.0	22.6	72.7	.3	0.0	.3	7.3
28	17.5	30.5	24.7	59.3	0.0	0.0	0.0	5.4
29								
30								
31								
Total :					33.1	51.8	84.9	131.7
Promedio :	18.4	29.6	23.6	69.0				

Estación : ARTURO GOMEZ  
Año : 1998

Dpto. : VALLE  
Mpio. : ALCALA

Latitud : 4 ° 40' N  
Longitud : 75 ° 47' W  
Altitud : 1320 m

Marzo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.5	31.0	22.3	74.0	1.8	.2	2.0	5.1
2	19.0	24.1	20.8	93.0	1.0	0.0	1.0	0.0
3	16.5	31.5	24.0	69.0	0.0	0.0	0.0	9.0
4	17.7	31.0	23.8	68.0	0.0	0.0	0.0	7.0
5	18.0	28.9	23.8	71.3	.6	0.0	.6	4.0
6	17.5	29.0	22.7	73.7	.1	0.0	.1	1.6
7	19.0	27.0	22.1	78.7	3.7	3.4	7.1	1.5
8	18.1	29.5	23.5	70.0	.2	.7	.9	5.6
9	18.0	27.5	21.1	78.3	15.6	0.0	15.6	3.5
10	17.0	29.0	23.1	69.7	0.0	.4	.4	7.3
11	17.5	29.2	22.0	70.3	0.0	0.0	0.0	6.6
12	17.0	30.1	23.6	65.7	0.0	0.0	0.0	9.4
13	16.8	30.4	21.0	78.0	1.6	0.0	1.6	3.5
14	16.4	29.3	21.4	70.3	0.0	0.0	0.0	5.1
15	17.0	29.5	22.3	74.3	5.2	0.0	5.2	6.3
16	17.4	30.0	22.8	72.3	0.0	0.0	0.0	4.9
17	18.0	30.5	23.0	72.7	0.0	0.0	0.0	4.7
18	18.4	32.5	22.7	71.0	9.4	8.2	17.6	7.4
19	18.0	31.4	25.0	67.0	0.0	0.0	0.0	5.2
20	18.6	29.0	22.1	79.0	2.2	.7	2.9	.5
21	18.5	29.5	24.2	67.3	0.0	0.0	0.0	6.4
22	18.1	32.1	22.2	74.3	8.2	2.3	10.5	6.9
23	17.5	26.0	19.8	87.7	30.4	0.0	30.4	1.0
24	16.2	28.5	22.6	74.3	6.8	0.0	6.8	9.1
25	17.5	31.8	23.7	71.0	3.1	12.6	15.7	8.5
26	17.2	29.5	21.8	79.3	5.0	2.0	7.0	5.2
27	18.5	26.1	22.8	81.3	0.0	19.9	19.9	.8
28	18.0	28.0	22.5	71.7	2.7	1.0	3.7	4.7
29	19.0	29.5	21.5	80.7	4.4	13.3	17.7	3.9
30	18.7	27.5	21.5	82.0	2.3	3.0	5.3	2.3
31	18.6	29.5	22.5	77.0	0.0	0.0	0.0	5.3
Total :					104.3	67.7	172.0	152.3
Promedio :	17.8	29.3	22.5	74.6				

Abril	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	28.1	22.6	78.7	0.0	8.9	8.9	2.2
2	19.1	28.5	21.9	79.3	3.5	3.6	7.1	4.4
3	19.0	25.9	22.4	83.0	2.4	5.9	8.3	1.4
4	18.8	28.5	22.6	78.0	0.0	0.0	.7	3.6
5	16.7	29.7	23.0	74.0	.7	0.0	0.0	5.8
6	18.0	28.4	20.9	83.3	74.2	3.6	77.8	1.9
7	18.1	29.0	23.4	78.7	0.0	0.0	0.0	6.7
8	19.5	28.2	23.3	80.0	0.0	0.0	0.0	2.1
9	19.0	28.0	23.6	74.0	0.0	0.0	0.0	2.1
10	18.4	28.2	22.9	79.0	2.6	44.9	47.5	5.6
11	17.9	24.0	20.4	89.0	10.0	0.0	10.0	.4
12	17.2	27.5	23.2	67.0	0.0	0.0	0.0	4.7
13	18.0	29.0	22.6	77.3	.7	5.4	6.1	5.0
14	18.5	28.4	23.4	77.3	0.0	0.0	0.0	3.8
15	19.4	29.9	22.5	79.3	2.5	.1	2.6	4.5
16	18.8	30.2	23.3	76.3	0.0	0.0	0.0	5.7
17	18.1	28.0	22.9	79.7	0.0	0.0	0.0	2.4
18	18.9	26.0	22.8	80.0	0.0	.1	.1	1.2
19	19.0	27.1	21.2	85.7	10.2	0.0	10.2	.3
20	18.8	28.8	23.2	79.3	.1	.2	.3	3.3
21	19.8	29.1	23.0	79.3	8.1	0.0	8.1	2.3
22	18.0	28.9	22.9	75.7	1.0	1.0	2.0	4.2
23	18.7	27.0	22.5	83.3	2.8	.5	3.3	0.0
24	18.8	29.0	22.8	75.3	.4	0.0	.4	5.3
25	18.3	28.0	22.5	80.3	.1	36.9	37.0	.5
26	17.0	25.1	20.7	86.7	.7	1.5	2.2	.2
27	18.9	30.0	23.4	76.3	0.0	0.0	0.0	6.2
28	20.1	26.7	22.5	79.7	1.6	0.0	1.6	1.3
29	19.0	29.5	24.2	72.3	0.0	6.1	6.1	6.1
30	19.5	27.4	22.4	78.3	28.3	1.3	29.6	1.2
Total :					149.9	120.0	269.9	94.2
Promedio :	18.6	28.1	22.6	78.9				

Estación : ARTURO GOMEZ  
Año : 1998

Dpto. : VALLE  
Mpio. : ALCALÁ

Latitud : 4 ° 40' N  
Longitud : 75 ° 47' W  
Altitud : 1320 m

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.5	26.7	20.4	89.3	10.8	.4	11.2	.5
2	18.4	27.2	22.6	80.3	.1	24.8	24.9	3.2
3	18.0	23.2	19.7	90.0	41.0	27.0	68.0	.3
4	17.5	25.0	20.0	81.3	14.3	0.0	14.3	.3
5	17.2	26.8	21.4	73.3	.4	0.0	.4	1.6
6	17.8	27.5	22.0	75.3	0.0	.4	.4	3.5
7	18.3	28.0	22.0	77.3	9.0	0.0	9.0	6.8
8	18.6	29.5	23.6	71.7	0.0	0.0	0.0	7.1
9	17.4	24.0	21.5	85.3	0.0	0.0	0.0	.6
10	17.0	27.4	22.3	78.3	0.0	.2	.2	3.9
11	18.7	30.0	22.2	77.7	1.1	0.0	1.1	5.8
12	19.0	24.9	22.1	82.3	0.0	0.0	0.0	.1
13	16.5	29.0	23.7	73.7	0.0	0.0	0.0	7.8
14	18.0	29.5	24.2	74.3	0.0	.3	.3	6.1
15	19.1	24.2	21.6	87.7	0.0	0.0	0.0	0.0
16	18.5	29.7	24.2	71.3	0.0	0.0	0.0	8.3
17	20.0	28.5	23.7	77.7	0.0	.1	.1	1.1
18	19.0	30.0	24.0	74.7	0.0	0.0	0.0	6.1
19	18.5	30.4	24.8	71.7	0.0	0.0	0.0	8.7
20	17.7	30.0	23.6	73.7	.3	0.0	.3	7.8
21	18.8	30.2	23.2	76.0	8.0	0.0	8.0	5.9
22	17.2	29.2	23.5	76.7	1.2	0.0	1.2	7.0
23	19.0	28.0	22.6	80.0	0.0	0.0	0.0	1.3
24	18.8	28.5	22.8	83.0	7.0	0.0	7.0	3.4
25	19.8	26.0	22.8	83.7	.8	32.2	33.0	.3
26	18.5	26.5	20.5	83.0	4.4	9.8	14.2	1.3
27	18.0	25.5	20.6	84.3	8.3	5.7	14.0	1.2
28	16.2	24.4	20.2	84.3	10.0	27.0	37.0	.2
29	17.0	25.0	20.7	83.7	.7	.1	.8	.2
30	17.5	26.2	20.7	82.3	.2	.1	.3	2.7
31	17.4	29.0	22.8	77.3	26.4	2.2	28.6	5.1
Total :					144.0	130.3	274.3	108.2
Promedio :	18.1	27.4	22.3	79.4				

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.5	26.5	20.6	87.3	4.6	2.6	7.2	2.4
2	16.2	26.0	22.1	79.7	0.0	3.1	3.1	5.7
3	18.0	27.0	22.2	79.7	0.0	0.0	0.0	3.5
4	16.9	27.2	22.4	73.3	0.0	0.0	0.0	8.1
5	17.8	27.4	21.6	77.0	0.0	0.0	0.0	4.1
6	16.6	27.6	23.0	77.3	.1	0.0	.1	5.7
7	17.8	27.5	21.4	78.7	6.6	0.0	6.6	3.1
8	17.2	27.5	22.3	72.7	1.6	.7	2.3	2.7
9	18.8	28.0	22.2	78.3	.4	0.0	.4	5.1
10	17.9	27.0	22.1	80.3	2.0	0.0	2.0	4.4
11	16.6	27.9	22.9	75.0	0.0	0.0	0.0	5.7
12	17.5	29.0	23.4	75.3	0.0	0.0	0.0	4.1
13	17.2	29.5	23.6	71.0	0.0	0.0	0.0	9.2
14	17.1	28.0	22.9	77.7	0.0	9.7	9.7	3.3
15	17.7	24.5	20.2	85.0	25.3	1.2	26.5	0.0
16	17.9	26.8	22.2	77.3	0.0	0.0	0.0	4.2
17	16.2	27.1	22.6	78.3	0.0	0.0	0.0	5.8
18	18.0	28.0	22.1	73.7	0.0	0.0	0.0	2.7
19	16.0	28.2	22.4	79.3	.6	0.0	.6	3.8
20	18.2	27.0	21.8	82.3	1.0	0.0	1.0	3.1
21	18.1	26.9	22.2	80.3	0.0	3.2	3.2	3.9
22	17.6	26.4	21.8	76.0	.5	0.0	.5	3.4
23	17.8	27.6	21.4	82.0	.7	4.8	5.5	5.1
24	18.0	27.2	22.8	77.7	0.0	0.0	0.0	7.2
25	17.0	28.2	22.8	72.3	0.0	0.0	0.0	6.3
26	17.6	28.4	22.5	77.3	4.2	.3	4.5	4.9
27	18.4	27.4	22.1	82.7	.5	0.0	.5	1.1
28	17.4	27.0	20.8	84.7	0.0	0.0	0.0	3.2
29	17.6	26.5	21.1	78.0	0.0	0.0	0.0	.7
30	15.6	30.8	22.6	62.0	0.0	0.0	0.0	10.2
31								
Total :					48.1	25.6	73.7	132.7
Promedio :	17.4	27.5	22.1	77.7				

Estación : ARTURO GOMEZ  
Año : 1998

Dpto. : VALLE  
Mpio. : ALCALA

Latitud : 4 ° 40'N  
Longitud : 75 ° 47'W  
Altitud : 1320 m

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.0	30.2	23.2	64.7	0.0	0.0	0.0	10.3
2	16.4	29.2	21.5	76.7	2.3	0.0	2.3	6.4
3	17.2	26.4	21.6	80.7	.8	8.1	8.9	1.8
4	17.8	27.2	21.4	78.3	0.0	19.9	19.9	4.4
5	17.5	26.4	20.0	85.3	1.2	.1	1.3	2.5
6	17.6	27.0	20.8	83.0	7.5	11.3	18.8	5.8
7	18.0	24.6	19.8	88.3	1.5	0.0	1.5	1.1
8	17.0	25.4	21.2	78.3	5.3	3.7	9.0	3.2
9	18.0	25.0	21.1	83.0	0.0	.1	.1	3.7
10	17.5	28.4	22.4	75.7	0.0	0.0	0.0	3.7
11	17.8	27.4	22.0	76.0	14.8	0.0	14.8	4.3
12	18.0	29.6	22.8	76.0	0.0	0.0	0.0	6.7
13	17.4	27.5	22.0	76.7	0.0	0.0	0.0	4.5
14	16.4	27.2	20.8	81.3	7.0	0.0	7.0	3.9
15	16.6	27.4	21.8	77.0	.3	0.0	.3	6.2
16	17.6	26.0	21.6	79.0	7.2	5.8	13.0	3.2
17	17.5	27.0	21.2	81.7	.9	5.3	6.2	4.2
18	17.4	25.2	21.1	82.0	1.4	19.0	20.4	2.9
19	17.6	27.0	21.5	80.0	0.0	.4	.4	5.5
20	17.4	29.5	22.0	74.3	0.0	0.0	0.0	7.5
21	16.4	28.8	22.5	74.3	0.0	11.4	11.4	7.8
22	16.6	26.4	19.9	90.3	.2	0.0	.2	4.4
23	16.4	26.0	21.2	82.0	1.5	0.0	1.5	5.6
24	17.0	27.4	22.0	76.0	0.0	0.0	0.0	4.9
25	16.8	26.6	20.0	81.0	.4	0.0	.4	3.5
26	16.4	29.2	21.0	81.3	11.1	0.0	11.1	6.5
27	16.4	28.4	21.4	77.0	.7	0.0	.7	5.3
28	18.0	28.8	21.1	79.7	4.7	.3	5.0	5.8
29	18.1	27.6	22.1	81.7	3.6	.4	4.0	5.3
30	18.2	27.0	21.8	80.7	1.7	0.0	1.7	3.2
31	17.0	27.1	21.0	80.0	0.0	0.0	0.0	5.2
Total :				79.4			159.9	
Promedio :	17.2	27.3	21.4		74.1	85.8		149.3

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.8	29.4	23.4	72.3	0.0	0.0	0.0	6.5
2	17.6	30.8	24.1	69.3	0.0	0.0	0.0	9.8
3	17.4	28.4	23.3	73.3	0.0	0.0	0.0	4.6
4	17.6	27.8	22.2	81.0	.1	0.0	.1	3.2
5	18.6	27.2	21.7	78.7	3.5	2.2	5.7	1.3
6	17.4	24.2	20.4	82.3	0.0	.5	.5	1.1
7	16.8	25.4	21.0	80.0	0.0	49.9	49.9	1.7
8	16.8	26.2	20.2	83.3	6.2	0.0	6.2	2.5
9	14.6	28.4	22.5	70.7	0.0	0.0	0.0	8.3
10	15.8	29.2	22.3	75.0	0.0	10.7	10.7	5.2
11	17.4	27.8	22.2	79.3	0.0	0.0	0.0	6.4
12	16.4	27.6	22.6	77.3	0.0	0.0	0.0	4.2
13	17.2	26.2	21.2	82.0	14.8	0.0	14.8	3.6
14	16.8	27.0	20.9	79.7	14.1	1.9	16.0	5.1
15	17.4	24.2	19.9	87.0	37.0	1.0	38.0	.6
16	16.6	27.2	21.6	76.0	0.0	0.0	0.0	7.1
17	16.4	27.6	21.3	78.0	0.0	0.0	0.0	3.8
18	16.6	28.8	22.0	76.3	0.0	.7	.7	6.8
19	17.8	26.4	21.0	79.0	0.0	2.2	2.2	3.6
20	17.4	27.8	22.0	73.7	.5	12.2	12.7	5.9
21	17.6	28.2	22.0	77.7	0.0	0.0	0.0	5.6
22	16.4	28.0	22.0	74.3	4.1	0.0	4.1	6.7
23	16.2	29.6	22.4	77.7	0.0	0.0	0.0	8.5
24	17.6	29.2	23.0	75.3	.2	2.4	2.6	5.6
25	16.4	25.6	19.8	84.3	.8	1.5	2.3	1.7
26	17.4	26.0	21.3	83.7	1.5	.8	2.1	2.4
27	16.8	26.6	21.2	80.7	.3	0.0	.3	3.6
28	16.2	29.0	22.8	73.0	0.0	0.0	0.0	8.1
29	16.0	28.7	22.5	70.7	0.0	0.0	0.0	6.5
30	17.8	28.8	22.3	72.0	0.0	0.0	0.0	3.2
31	17.7	29.4	21.4	77.3	6.0	0.0	6.0	3.8
Total :				77.4			174.9	
Promedio :	16.9	27.6	21.8		89.1	85.8		147.0

Estación : ARTURO GOMEZ  
Año : 1998

Dpto. : VALLE  
Mpio. : ALCALA

Latitud : 4 ° 40'N  
Longitud : 75 ° 47'W  
Altitud : 1320 m

Septiembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.6	27.0	22.3	72.7	0.0	0.0	0.0	4.8
2	16.6	27.2	22.0	74.7	0.0	20.5	20.5	2.5
3	16.8	24.1	20.6	80.7	.8	0.0	.8	2.0
4	16.9	27.0	20.6	75.7	2.9	0.0	2.9	5.4
5	17.0	27.1	21.7	82.0	0.0	0.0	0.0	4.7
6	16.7	28.9	23.0	71.3	0.0	0.0	0.0	9.1
7	17.1	26.4	21.2	78.3	0.0	0.0	0.0	1.4
8	17.8	25.0	19.7	92.7	6.7	.9	7.6	.7
9	17.0	26.2	21.5	80.0	0.0	.1	.1	4.6
10	16.8	24.9	20.1	82.0	.8	0.0	.8	3.8
11	16.0	26.1	20.6	79.0	.8	33.2	34.0	3.0
12	17.0	23.8	19.0	88.3	29.9	23.7	53.6	2.0
13	16.0	26.0	20.7	76.0	0.0	.7	.7	3.8
14	16.2	27.6	20.6	77.3	.3	2.4	2.7	6.8
15	16.0	26.2	20.2	77.7	0.0	1.0	1.0	2.1
16	17.0	26.8	20.6	75.0	0.0	0.0	0.0	4.8
17	14.8	27.2	20.6	75.3	1.8	0.0	1.8	3.3
18	15.0	29.0	21.7	73.3	0.0	19.8	19.8	6.0
19	17.0	27.0	20.8	79.7	0.0	0.0	0.0	4.5
20	17.4	28.2	21.8	82.7	6.2	0.0	6.2	3.6
21	18.0	28.2	22.3	75.0	0.0	.6	.6	3.0
22	17.8	27.5	20.4	80.3	15.7	25.7	41.4	3.6
23	16.2	26.0	20.7	80.0	1.2	0.0	1.2	2.4
24	17.8	28.0	22.1	76.0	0.0	0.0	0.0	6.1
25	16.8	28.0	21.8	75.0	0.0	1.1	1.1	5.1
26	17.4	26.0	20.4	82.3	1.0	15.0	16.0	2.7
27	17.0	26.1	21.2	80.7	0.0	3.8	3.8	2.0
28	17.2	28.0	22.2	74.0	.2	0.0	.2	5.0
29	16.0	29.0	22.6	70.7	0.0	0.0	0.0	7.6
30	17.0	29.6	22.7	71.7	.2	0.0	.2	7.9
31								
Total :					68.5	148.5	217.0	124.3
Promedio :	16.8	26.9	21.2	78.0				

Octubre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	29.0	22.2	75.0	0.0	0.0	0.0	5.1
2	18.0	27.9	22.4	77.3	0.0	0.0	0.0	4.1
3	17.0	27.2	21.0	79.3	9.0	0.0	9.0	2.8
4	16.2	28.2	21.2	78.0	1.5	.1	1.6	7.5
5	17.0	29.0	20.7	81.3	3.6	15.4	19.0	4.9
6	17.1	27.0	20.8	77.0	2.0	.7	2.7	4.3
7	18.0	26.8	20.6	82.0	16.0	0.0	16.0	3.6
8	16.0	28.2	21.4	78.0	0.0	0.0	0.0	5.5
9	18.0	27.8	21.3	80.7	1.3	0.0	1.3	1.6
10	17.0	30.0	24.2	71.0	0.0	0.0	0.0	8.7
11	17.2	29.2	23.1	73.0	0.0	0.0	0.0	6.3
12	17.0	26.0	21.0	86.7	3.0	0.0	3.0	2.1
13	16.1	27.0	19.9	81.7	0.0	0.0	0.0	1.8
14	15.0	28.4	20.2	77.0	8.7	0.0	8.7	8.3
15	15.8	30.0	22.0	75.0	.3	10.4	10.7	7.0
16	15.0	27.2	20.8	74.3	0.0	0.0	0.0	6.6
17	15.8	26.2	21.0	77.3	0.0	5.5	5.5	4.5
18	15.4	28.0	20.5	78.3	0.0	8.3	8.3	6.9
19	18.2	24.8	21.3	86.3	0.0	21.0	21.0	.4
20	17.2	27.0	20.4	81.0	6.6	.2	6.8	2.9
21	16.0	26.2	19.8	82.7	31.0	0.0	31.0	1.3
22	16.0	26.8	19.2	82.7	6.2	0.0	6.2	3.0
23	15.0	25.0	19.4	82.7	6.0	3.7	9.7	2.3
24	16.2	24.9	19.4	84.0	4.1	5.6	9.7	2.1
25	16.4	25.2	20.8	82.0	.5	8.7	9.2	2.6
26	16.6	27.2	21.4	72.3	0.0	0.0	0.0	6.9
27	17.0	26.1	21.0	77.3	0.0	.2	.2	4.6
28	17.6	28.4	22.7	70.7	0.0	6.2	6.2	6.4
29	18.0	28.2	21.8	76.3	0.0	8.5	8.5	4.9
30	17.8	24.9	20.0	85.0	2.2	0.0	2.2	.8
31	17.0	28.0	20.1	82.7	32.7	.2	32.9	3.5
Total :					134.7	94.7	229.4	133.3
Promedio :	16.7	27.3	21.0	79.0				

Estación : ARTURO GOMEZ  
Año : 1998

Dpto. : VALLE  
Mpio. : ALCALÁ

Latitud : 4 ° 40' N  
Longitud : 75 ° 47' W  
Altitud : 1320 m

Noviembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.2	28.0	21.6	76.3	0.0	18.0	18.0	4.6
2	17.1	27.8	22.0	74.0	.2	0.0	.2	6.2
3	17.0	27.6	20.3	79.0	2.0	0.0	2.0	5.1
4	16.0	25.0	20.0	82.0	.8	.8	1.6	2.5
5	17.0	23.8	19.2	90.0	4.4	0.0	4.4	.9
6	17.2	26.2	20.2	80.0	0.0	20.0	20.0	2.0
7	16.2	24.1	19.3	80.7	0.0	0.0	0.0	1.5
8	15.0	25.0	19.8	80.7	.2	0.0	.2	1.8
9	15.2	28.0	20.2	80.3	19.0	52.0	71.0	5.8
10	16.1	25.5	20.6	74.7	0.0	0.0	0.0	6.1
11	17.4	27.8	21.4	78.3	.1	0.0	.1	4.6
12	17.8	24.9	20.8	82.7	0.0	0.0	0.0	.9
13	17.1	28.0	20.8	79.0	8.3	2.4	10.7	2.3
14	18.0	27.4	20.6	81.3	3.5	0.0	3.5	4.5
15	16.0	27.9	20.6	80.3	15.0	0.0	15.0	5.0
16	16.1	27.2	21.6	77.0	0.0	0.0	0.0	5.8
17	17.8	24.9	21.2	81.3	0.0	0.0	0.0	.5
18	17.9	26.7	21.2	78.7	0.0	0.0	0.0	2.9
19	17.0	27.1	20.7	77.3	1.2	6.8	8.0	3.1
20	17.1	25.0	20.8	81.7	.1	0.0	.1	1.6
21	18.0	25.2	20.2	82.3	.4	9.3	9.7	1.7
22	17.0	21.6	18.9	89.0	9.2	0.0	9.2	0.0
23	15.8	28.2	20.9	73.7	0.0	5.2	5.2	8.2
24	18.0	24.0	19.6	84.7	18.0	1.0	19.0	.7
25	16.2	26.0	20.7	78.7	0.0	0.0	0.0	5.9
26	17.2	26.8	21.6	76.3	0.0	0.0	0.0	4.0
27	17.8	25.7	20.6	80.0	0.0	1.9	1.9	4.2
28	17.0	23.2	19.2	85.7	9.7	0.0	9.7	.3
29	16.4	27.0	21.0	74.3	0.0	.1	.1	5.5
30	17.8	28.0	21.2	74.0	.8	10.1	10.9	7.2
31								
Total :					92.9	127.6	220.5	105.4
Promedio :	16.9	26.1	20.6	79.8				

Diciembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.3	27.2	21.4	75.7	0.0	.7	.7	5.6
2	17.4	23.2	19.3	89.7	9.0	25.0	34.0	.4
3	16.0	26.4	20.4	81.3	2.0	0.0	2.0	5.9
4	16.1	25.4	20.4	84.0	.2	0.0	.2	1.9
5	16.0	26.2	19.4	84.7	0.0	27.0	27.0	3.0
6	17.0	23.2	19.0	90.3	.8	5.4	6.2	1.1
7	16.8	25.7	19.7	79.0	3.7	0.0	3.7	3.4
8	15.8	27.2	20.9	71.7	0.0	0.0	0.0	6.2
9	17.0	27.4	21.6	72.7	0.0	0.0	0.0	6.7
10	17.8	25.0	20.5	81.3	0.0	0.0	0.0	.8
11	18.0	24.2	19.8	90.0	8.2	1.4	9.6	1.9
12	17.2	25.8	20.2	84.7	.5	.6	1.1	1.6
13	17.0	25.4	20.4	81.7	0.0	0.0	0.0	3.9
14	16.9	29.2	21.0	81.0	9.2	0.0	9.2	5.4
15	17.0	26.2	20.4	82.7	9.8	0.0	9.8	3.1
16	16.0	22.1	19.5	87.7	0.0	0.0	0.0	5.8
17	16.1	25.1	19.6	83.7	2.9	0.0	2.9	2.3
18	15.6	27.0	21.0	81.0	.6	8.4	9.0	4.6
19	16.6	27.6	21.1	79.3	0.0	0.0	0.0	5.0
20	17.0	26.0	20.6	81.0	.3	.1	.4	4.2
21	15.4	27.8	21.0	74.0	0.0	0.0	0.0	5.7
22	16.8	28.0	21.6	74.7	0.0	0.0	0.0	7.4
23	15.4	27.9	21.6	76.0	0.0	1.8	1.8	8.9
24	16.8	27.0	21.6	70.7	0.0	0.0	0.0	7.7
25	16.0	27.2	20.0	75.3	61.0	1.0	62.0	4.2
26	16.2	27.8	20.2	76.7	1.8	0.0	1.8	6.5
27	15.4	28.2	20.2	78.0	28.2	5.7	33.9	7.8
28	17.0	27.0	20.4	81.7	28.0	0.0	28.0	3.1
29	17.2	27.2	20.8	76.0	.9	.1	1.0	2.9
30	17.4	27.6	21.7	77.7	.2	0.0	.2	3.6
31	17.0	28.5	22.0	76.7	0.0	0.0	0.0	7.5
Total :					167.3	77.2	244.5	138.1
Promedio :	16.6	26.4	20.6	80.0				

Estación : ARTURO GOMEZ  
Año : 1998

Dpto. : VALLE  
Mpio. : ALCALÁ

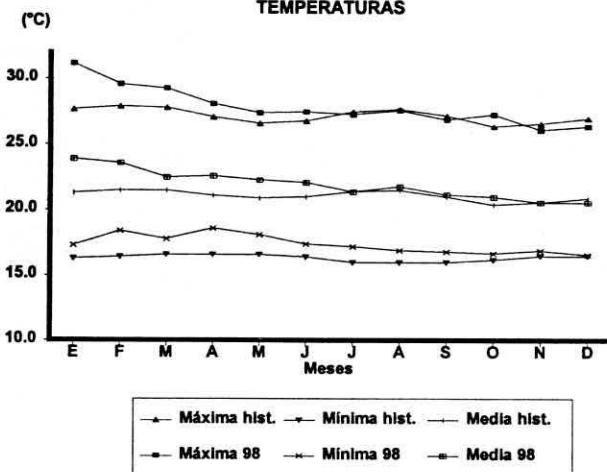
Latitud : 4 ° 40' N  
Longitud : 75 ° 47' W  
Altitud : 1320 m

#### TEMPERATURA °C

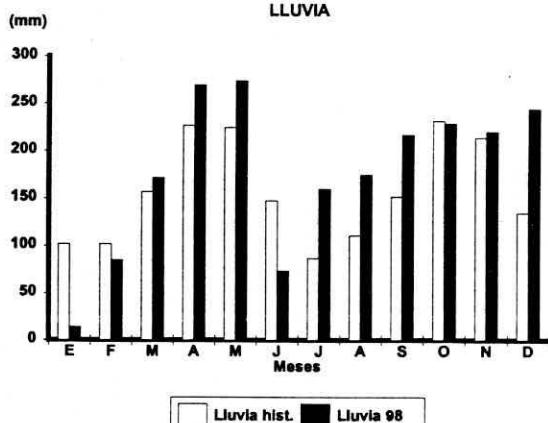
#### PRECIPITACION

MES	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	17.3	31.2	23.9	34.0	15.5	67.3	14.2	8	214.6
Febrero	18.4	29.6	23.6	34.0	16.0	69.0	84.9	11	131.7
Marzo	17.8	29.3	22.5	32.5	16.2	74.6	172.0	21	152.3
Abril	18.6	28.1	22.6	30.2	16.7	78.9	269.9	21	94.2
Mayo	18.1	27.4	22.3	30.4	16.2	79.4	274.3	22	108.2
Junio	17.4	27.5	22.1	30.8	15.6	77.7	73.7	16	132.7
Julio	17.2	27.3	21.4	30.2	15.0	79.4	159.9	24	149.3
Agosto	16.9	27.6	21.8	30.8	14.6	77.4	174.9	18	147.0
Septiembre	16.8	26.9	21.2	29.6	14.8	78.0	217.0	22	124.3
Octubre	16.7	27.3	21.0	30.0	15.0	79.0	229.4	23	133.3
Noviembre	16.9	26.1	20.6	28.2	15.0	79.8	220.5	22	105.4
Diciembre	16.6	26.4	20.6	29.2	15.4	80.0	244.5	21	138.1
Promedio :	17.4	27.9	22.0			76.7			
Absoluta :				34.0	14.6				
Total :							2135.2	229	1631.1

#### TEMPERATURAS



#### LLUVIA



Estación : VENECIA  
Año : 1998

Dpto. : VALLE  
Mpio. : CAICEDONIA

Latitud : 4 ° 20'N  
Longitud : 75 ° 50'W  
Altitud : 1170 m

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	31.4	23.6	68.3	0.0	0.0	0.0	6.7
2	15.1	32.0	23.7	62.7	0.0	0.0	0.0	9.7
3	15.6	32.5	24.4	61.0	0.0	0.0	0.0	9.8
4	15.8	33.7	24.7	62.3	0.0	0.0	0.0	9.6
5	16.0	33.1	23.4	64.7	0.0	0.0	0.0	9.1
6	17.0	27.3	22.6	72.0	0.0	0.0	0.0	.9
7	17.7	28.3	21.7	77.3	6.0	0.0	6.0	1.2
8	16.2	31.5	23.3	63.7	0.0	0.0	0.0	9.3
9	16.3	30.9	24.5	58.3	0.0	0.0	0.0	8.1
10	15.8	32.1	24.3	62.7	0.0	0.0	0.0	8.8
11	16.7	32.6	25.4	61.3	0.0	0.0	0.0	9.1
12	18.1	29.0	23.7	69.3	0.0	0.0	0.0	.8
13	18.0	32.1	24.2	68.3	0.0	0.0	0.0	7.0
14	17.2	31.4	21.5	75.7	27.5	0.0	27.5	4.9
15	16.0	30.8	23.4	67.0	0.0	0.0	0.0	8.6
16	17.0	31.5	24.2	62.0	0.0	0.0	0.0	7.4
17	17.4	31.9	24.7	61.7	0.0	0.0	0.0	8.0
18	16.0	32.2	22.6	71.0	.3	0.0	.3	8.7
19	16.9	31.0	24.4	60.7	0.0	0.0	0.0	4.9
20	18.0	32.2	24.8	64.3	0.0	0.0	0.0	6.6
21	17.0	32.6	25.2	61.7	0.0	0.0	0.0	8.2
22	17.3	33.0	24.8	66.0	0.0	0.0	0.0	8.3
23	17.8	33.6	25.6	61.3	0.0	0.0	0.0	8.2
24	17.4	32.9	24.8	62.3	0.0	0.0	0.0	9.5
25	16.2	33.9	25.2	58.3	0.0	0.0	0.0	9.8
26	15.6	33.5	24.6	57.7	0.0	0.0	0.0	9.2
27	15.3	31.2	24.2	62.7	0.0	0.0	0.0	4.9
28	18.0	32.4	24.5	60.3	0.0	0.0	0.0	6.2
29	16.0	34.4	25.4	57.7	0.0	0.0	0.0	8.9
30	18.3	32.9	25.4	60.0	0.0	0.0	0.0	6.2
31	18.2	34.5	26.0	60.7	0.0	0.0	0.0	9.0
Total :	16.8	32.0	24.2	64.0	33.8	0.0	33.8	227.4
Promedio :								

Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.1	36.1	26.4	59.0	0.0	0.0	0.0	10.0
2	18.8	33.6	23.4	72.7	1.0	0.0	1.0	4.4
3	18.9	31.1	21.8	75.7	24.7	0.0	24.7	2.4
4	16.2	31.7	24.8	64.3	0.0	0.0	0.0	8.9
5	19.2	27.3	23.6	74.7	0.0	0.0	0.0	.2
6	19.0	31.0	24.7	65.3	0.0	0.0	0.0	3.5
7	19.6	29.5	24.1	69.7	0.0	43.4	43.4	3.1
8	18.5	24.5	21.1	87.7	4.2	27.1	31.3	.8
9	18.0	25.8	21.4	77.3	0.0	0.0	0.0	.8
10	18.8	24.3	21.0	89.3	2.7	0.0	2.7	0.0
11	19.0	26.5	22.2	76.0	0.0	0.0	0.0	.8
12	17.0	27.1	22.4	74.7	0.0	0.0	0.0	.9
13	16.8	31.5	21.9	76.0	21.5	8.6	30.1	6.0
14	17.4	26.5	21.7	77.3	0.0	6.8	6.8	1.2
15	15.8	31.5	24.0	66.0	0.0	0.0	0.0	7.6
16	17.2	33.0	24.4	59.3	0.0	0.0	0.0	9.3
17	14.8	33.7	24.2	62.0	0.0	0.0	0.0	10.5
18	16.9	31.9	24.5	66.0	0.0	0.0	0.0	7.5
19	17.5	30.2	24.2	64.0	0.0	0.0	0.0	4.4
20	16.9	31.4	24.2	63.0	0.0	0.0	0.0	7.3
21	18.3	29.3	23.5	68.3	0.0	0.0	0.0	3.6
22	18.2	32.0	25.2	60.0	0.0	0.0	0.0	6.1
23	19.1	29.0	23.9	66.7	0.0	0.0	0.0	.7
24	18.6	31.5	24.2	69.7	0.0	0.0	0.0	4.6
25	17.5	32.5	24.8	64.3	0.0	0.0	0.0	6.4
26	16.3	30.5	23.8	66.3	0.0	0.0	0.0	6.0
27	17.2	32.0	24.5	58.0	0.0	0.0	0.0	7.2
28	17.1	32.6	24.9	61.3	0.0	0.0	0.0	7.2
29								
30								
31								
Total :	17.7	30.3	23.6	69.1	54.1	85.9	140.0	131.4
Promedio :								

Estación : VENECIA  
Año : 1998

Dpto. : VALLE  
Mpio. : CAICEDONIA

Latitud : 4 ° 20'N  
Longitud : 75 ° 50'W

Altitud : 1170 m

Marzo	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.3	32.0	23.5	72.0	2.6	3.3	5.9	6.7
2	19.2	24.6	20.9	83.0	.2	0.0	.2	.1
3	16.0	31.9	23.9	63.0	0.0	0.0	0.0	8.1
4	17.5	33.4	24.9	62.3	0.0	0.0	0.0	6.7
5	17.2	30.1	24.8	63.3	0.0	10.9	10.9	1.2
6	17.7	28.8	22.3	78.0	.6	0.0	.6	2.4
7	18.2	28.6	21.9	78.3	21.8	11.1	32.9	1.4
8	18.4	29.8	23.8	73.0	0.0	0.0	0.0	6.5
9	18.2	31.3	22.3	75.3	.2	0.0	.2	5.9
10	16.3	31.2	24.2	63.7	0.0	0.0	0.0	8.2
11	19.6	31.9	23.3	74.3	1.8	0.0	1.8	5.5
12	17.0	32.3	24.9	60.7	0.0	0.0	0.0	8.1
13	18.0	33.0	23.6	63.7	0.0	0.0	0.0	8.0
14	18.1	32.1	23.4	68.3	0.0	0.0	0.0	5.8
15	16.9	29.9	23.5	68.3	0.0	0.0	0.0	4.0
16	16.8	32.1	23.4	71.7	.4	0.0	.4	6.5
17	18.0	31.8	24.3	66.3	0.0	0.0	0.0	5.2
18	18.1	33.5	25.4	63.0	0.0	0.0	0.0	8.0
19	18.0	33.0	26.1	60.7	0.0	.5	.5	6.8
20	20.0	30.8	22.7	77.7	26.3	0.0	26.3	.3
21	17.6	30.2	23.8	68.3	0.0	0.0	0.0	4.5
22	18.2	33.2	22.6	73.0	7.9	1.6	9.5	8.0
23	18.7	25.7	20.5	85.3	12.2	2.6	14.8	.7
24	16.6	29.2	23.5	70.3	0.0	0.0	0.0	4.8
25	18.0	31.6	24.8	63.0	0.0	1.1	1.1	7.1
26	17.3	30.2	21.0	78.3	30.6	.8	31.4	3.9
27	18.3	27.0	22.6	77.0	0.0	68.0	68.0	.8
28	18.4	26.9	22.4	70.7	0.0	1.5	1.5	2.6
29	18.1	29.4	22.9	76.3	1.6	18.6	20.2	2.4
30	18.8	27.3	21.6	81.7	37.9	33.9	71.8	1.6
31	18.0	29.1	23.6	71.3	0.0	.1	.1	4.7
Total :					144.1	154.0	298.1	146.5
Promedio :	17.9	30.4	23.3	71.0				

Abril	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	29.6	22.5	80.0	10.1	0.0	10.1	2.1
2	18.6	29.8	22.4	78.0	1.8	.8	2.6	4.0
3	19.2	28.4	23.2	77.3	.3	12.3	12.6	2.9
4	18.7	29.6	23.0	75.0	.1	0.0	.1	3.8
5	17.7	31.0	23.6	70.0	1.8	0.0	1.8	6.8
6	18.3	28.0	22.2	75.0	10.8	29.6	40.4	1.3
7	18.2	28.5	23.6	70.7	0.0	0.0	0.0	4.7
8	19.4	29.5	24.1	73.7	0.0	0.0	0.0	2.6
9	19.2	30.1	24.4	71.0	0.0	0.0	0.0	2.8
10	19.0	31.2	24.5	70.0	0.0	10.2	10.2	4.3
11	18.9	23.1	20.4	91.7	11.6	0.0	11.6	.1
12	16.7	28.8	22.5	73.0	0.0	0.0	0.0	4.0
13	17.3	30.0	22.1	75.3	14.7	19.4	34.1	3.4
14	17.0	29.6	23.1	74.0	0.0	0.0	0.0	3.6
15	17.1	30.4	22.4	76.3	.4	0.0	.4	5.5
16	18.0	31.0	23.6	71.3	.2	0.0	.2	6.6
17	17.4	29.6	24.1	73.3	0.0	0.0	0.0	3.3
18	19.5	27.9	23.5	75.0	0.0	0.0	0.0	2.0
19	19.1	28.0	22.5	76.7	2.0	12.7	14.7	1.5
20	18.8	29.3	23.5	75.7	0.0	0.0	0.0	3.1
21	19.0	29.5	23.8	72.3	0.0	0.0	0.0	2.6
22	18.6	31.5	24.2	73.0	.1	0.0	.1	5.8
23	19.5	28.6	23.4	75.7	.2	0.0	.2	.3
24	18.8	30.2	23.4	72.0	.3	5.7	6.0	4.8
25	19.6	30.6	24.3	70.0	0.0	24.0	24.0	5.1
26	19.0	26.1	21.4	81.3	2.7	0.0	2.7	.1
27	18.1	30.7	23.7	70.0	0.0	0.0	0.0	7.4
28	19.8	27.5	23.2	72.3	0.0	0.0	0.0	1.1
29	19.1	31.0	24.7	68.7	0.0	.3	.3	6.4
30	20.3	28.4	23.7	74.3	0.0	2.5	2.5	2.0
31								
Total :					57.1	117.5	174.6	104.0
Promedio :	18.6	29.3	23.2	74.4				

Estación : VENECIA  
Año : 1998

Dpto. : VALLE  
Mpio. : CAICEDONIA

Latitud : 4 ° 20' N  
Longitud : 75 ° 50' W  
Altitud : 1170 m

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	26.0	21.5	81.7	4.8	.2	5.0	.4
2	18.2	26.1	21.6	83.3	1.1	7.0	8.1	.8
3	18.8	24.6	20.3	85.3	15.9	12.8	28.7	.1
4	17.6	24.4	19.6	83.0	7.2	.3	7.5	0.0
5	17.5	26.2	21.0	79.7	8.6	1.9	10.5	.6
6	17.0	27.4	21.6	76.3	0.0	0.0	0.0	1.9
7	19.3	26.7	22.5	73.7	.7	0.0	.7	2.4
8	18.8	29.6	23.6	67.3	0.0	6.1	6.1	6.4
9	19.2	28.2	22.0	78.3	0.0	0.0	0.0	3.2
10	18.8	31.0	23.5	72.7	1.4	.9	2.3	5.3
11	17.9	29.4	21.8	76.7	36.3	0.0	36.3	4.6
12	17.0	27.0	21.3	81.7	0.0	0.0	0.0	.8
13	18.9	30.2	23.6	69.7	0.0	0.0	0.0	8.5
14	18.0	31.3	24.4	67.0	0.0	2.4	2.4	7.1
15	20.0	26.0	22.1	78.3	0.0	0.0	0.0	0.0
16	18.3	31.8	25.0	64.0	0.0	0.0	0.0	7.9
17	20.5	29.8	24.4	72.7	4.8	0.0	4.8	.3
18	19.9	31.2	25.0	67.3	0.0	0.0	0.0	7.7
19	19.7	31.7	25.3	66.3	0.0	0.0	0.0	9.1
20	17.9	32.4	25.5	62.7	0.0	0.0	0.0	9.8
21	20.0	32.3	25.8	64.0	0.0	0.0	0.0	8.7
22	18.4	32.2	25.6	64.3	0.0	0.0	0.0	7.4
23	20.4	29.5	23.8	73.0	.7	0.0	.7	1.5
24	20.2	30.7	24.9	69.3	0.0	0.0	0.0	2.5
25	20.4	27.9	23.2	79.0	4.5	73.0	77.5	.6
26	18.6	26.0	21.1	82.3	9.5	7.7	17.2	.5
27	18.0	25.2	20.2	85.3	11.6	6.4	18.0	1.0
28	18.5	24.5	20.7	83.0	8.9	7.7	16.6	.2
29	18.0	24.1	21.2	78.0	0.0	0.0	0.0	.4
30	18.2	28.0	22.7	73.0	0.0	0.0	0.0	3.1
31	18.5	30.6	22.0	75.3	45.9	1.4	47.3	3.9
Total :					161.9	127.8	289.7	106.7
Promedio :	18.8	28.5	22.8	74.7				

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.7	27.3	21.2	74.0	0.0	4.4	4.4	3.1
2	18.0	27.7	21.1	78.3	0.0	2.9	2.9	3.3
3	18.3	27.9	22.2	75.7	.6	0.0	.6	3.6
4	18.9	29.6	23.6	68.0	0.0	0.0	0.0	8.2
5	19.2	29.6	24.0	67.7	0.0	0.0	0.0	5.0
6	18.2	29.1	23.6	70.0	0.0	0.0	0.0	6.2
7	19.8	28.4	23.4	67.7	0.0	0.0	0.0	1.7
8	18.4	29.6	23.0	68.7	0.0	8.0	8.0	4.2
9	19.2	29.4	23.2	71.3	0.0	0.0	0.0	5.4
10	19.4	29.8	22.4	76.0	4.0	0.0	4.0	2.9
11	17.0	29.4	22.5	74.3	0.0	0.0	0.0	5.1
12	19.4	30.6	23.9	70.0	0.0	0.0	0.0	7.4
13	19.2	31.4	24.8	68.7	0.0	0.0	0.0	9.6
14	18.4	29.2	23.5	70.7	0.0	7.8	7.8	4.3
15	19.2	24.6	21.1	82.7	2.1	4.1	6.2	.1
16	18.2	27.1	21.7	73.0	0.0	.1	.1	4.0
17	18.0	28.4	22.6	75.0	1.0	.3	1.3	4.2
18	17.6	27.0	22.6	71.7	0.0	0.0	0.0	3.4
19	16.6	27.2	22.1	74.7	.6	0.0	.6	2.7
20	17.5	28.2	23.6	70.0	0.0	0.0	0.0	3.4
21	19.0	28.4	22.8	71.0	0.0	.3	.3	3.4
22	18.5	27.4	22.6	70.3	0.0	0.0	0.0	3.1
23	19.0	29.7	23.7	67.0	0.0	0.0	0.0	5.2
24	18.6	29.1	23.8	65.0	0.0	0.0	0.0	5.7
25	17.8	30.7	24.0	68.3	0.0	0.0	0.0	7.5
26	19.8	30.2	24.6	67.3	0.0	0.0	0.0	3.4
27	19.5	29.1	23.1	73.3	.7	0.0	.7	2.5
28	18.8	28.2	22.8	79.0	.9	0.0	.9	2.1
29	17.6	27.5	22.8	71.7	0.0	0.0	0.0	1.6
30	15.5	31.6	23.4	55.3	0.0	0.0	0.0	8.6
Total :					9.9	27.9	37.8	130.9
Promedio :	18.4	28.8	23.0	71.2				

Estación : VENECIA  
Año : 1998

Dpto. : VALLE  
Mpio. : CAICEDONIA

Latitud : 4 ° 20' N  
Longitud : 75 ° 50' W  
Altitud : 1170 m

Julio	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.6	31.6	23.4	57.3	0.0	0.0	0.0	8.2
2	16.8	29.2	23.4	65.7	0.0	0.0	0.0	5.0
3	18.9	29.4	23.1	68.7	0.0	27.2	27.2	2.7
4	18.0	27.2	22.0	69.7	0.0	10.1	10.1	3.9
5	18.1	26.1	21.1	76.3	2.2	.4	2.6	2.6
6	18.2	28.4	21.0	75.0	15.3	0.0	15.3	6.0
7	18.0	26.9	21.9	72.7	.5	10.7	11.2	3.4
8	17.4	27.9	21.0	79.3	.9	2.7	3.6	4.3
9	18.0	26.2	21.2	80.0	.6	.7	1.3	2.2
10	17.9	28.2	22.6	73.0	0.0	0.0	0.0	4.0
11	18.4	27.5	23.0	71.7	0.0	0.0	0.0	4.4
12	18.2	30.5	24.4	64.3	0.0	0.0	0.0	7.6
13	18.1	29.5	23.1	66.3	0.0	0.0	0.0	7.3
14	16.6	29.1	23.2	64.0	0.0	0.0	0.0	5.0
15	18.0	29.7	22.1	77.0	5.0	0.0	5.0	3.4
16	18.2	27.4	22.1	71.7	0.0	0.0	0.0	4.9
17	18.6	28.4	22.7	73.0	11.0	0.0	11.0	4.4
18	18.2	27.4	22.0	78.3	0.0	0.0	0.0	4.0
19	18.0	28.2	23.2	65.3	0.0	0.0	0.0	5.2
20	18.4	30.0	22.8	70.0	0.0	0.0	0.0	7.4
21	16.5	29.8	23.1	64.7	0.0	0.0	0.0	8.4
22	18.4	28.8	21.6	75.7	0.0	0.0	0.0	2.3
23	16.2	27.2	22.1	71.7	0.0	0.0	0.0	4.1
24	17.6	29.1	23.1	65.7	0.0	0.0	0.0	4.6
25	18.8	28.2	22.2	70.0	0.0	0.0	0.0	5.4
26	16.6	30.9	23.7	61.7	0.0	0.0	0.0	5.3
27	18.5	29.5	23.9	63.7	0.0	0.0	0.0	5.0
28	18.8	30.4	24.2	62.7	1.0	0.0	1.0	6.2
29	19.0	29.9	23.9	64.7	0.0	0.0	0.0	5.9
30	20.0	29.3	23.7	68.0	2.0	0.0	2.0	3.8
31	17.2	30.3	22.8	68.7	0.0	0.0	0.0	6.7
Total :					38.5	51.8	90.3	153.6
Promedio :	17.9	28.8	22.7	69.6				

Agosto	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	31.4	24.3	59.7	0.0	0.0	0.0	6.8
2	18.5	31.2	25.0	62.0	0.0	0.0	0.0	6.8
3	18.0	30.1	24.8	65.3	0.0	0.0	0.0	7.6
4	17.7	29.0	23.1	71.3	0.0	0.0	0.0	2.0
5	19.8	28.9	22.1	77.0	10.3	12.5	22.8	2.2
6	17.5	24.6	20.5	81.3	.4	1.3	1.7	.1
7	17.0	26.6	22.1	69.7	0.0	1.0	1.0	2.4
8	18.0	26.8	21.8	72.7	0.0	0.0	0.0	2.6
9	15.2	30.6	23.7	62.3	0.0	0.0	0.0	10.1
10	17.2	29.1	22.4	70.7	0.0	9.5	9.5	2.5
11	18.0	28.9	22.7	70.0	0.0	0.0	0.0	5.4
12	17.3	27.8	22.1	71.0	.1	0.0	.1	4.8
13	17.0	27.2	21.7	77.0	0.0	0.0	0.0	1.3
14	18.7	29.0	22.3	71.3	.2	.2	.4	3.8
15	18.2	24.5	20.9	77.0	.6	0.0	.6	1.6
16	16.0	29.5	22.9	66.7	0.0	0.0	0.0	8.8
17	17.9	29.3	21.8	77.0	.7	0.0	.7	3.9
18	18.2	30.1	23.3	65.3	0.0	.2	.2	5.5
19	18.4	28.1	21.3	79.7	11.6	5.6	17.2	1.9
20	18.0	29.2	23.1	68.3	0.0	0.0	0.0	6.1
21	18.4	28.3	22.6	69.0	0.0	0.0	0.0	3.6
22	17.4	29.9	22.4	73.0	0.0	0.0	0.0	5.0
23	16.1	30.3	22.3	74.7	1.5	0.0	1.5	7.4
24	17.4	31.0	24.2	66.0	0.0	11.1	11.1	7.9
25	18.2	28.2	20.8	77.7	10.8	13.1	23.9	1.7
26	18.0	27.6	21.5	77.7	.8	0.0	.8	3.9
27	18.4	28.5	22.2	73.0	0.0	0.0	0.0	5.1
28	16.8	30.4	24.1	61.3	0.0	0.0	0.0	8.6
29	17.5	31.3	23.6	64.7	0.0	0.0	0.0	8.3
30	19.3	30.2	23.2	72.3	0.0	0.0	0.0	4.7
31	18.2	29.9	23.8	64.3	0.0	.1	.1	4.4
Total :					37.0	54.6	91.6	146.8
Promedio :	17.7	29.0	22.7	70.6				

Estación : VENECIA  
Año : 1998

Dpto. : VALLE  
Mpio. : CAICEDONIA

Latitud : 4 ° 20' N  
Longitud : 75 ° 50' W  
Altitud : 1170 m

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.3	30.1	23.0	69.7	0.0	0.0	0.0	6.2
2	16.2	30.0	21.1	77.0	12.2	28.2	40.4	4.3
3	17.2	24.2	20.0	73.0	0.0	0.0	0.0	.5
4	16.9	28.2	21.1	77.0	.5	.2	.7	4.7
5	17.6	28.3	22.2	72.0	0.0	0.0	0.0	4.4
6	17.1	30.8	24.2	65.0	.1	0.0	.1	8.4
7	17.8	28.2	22.6	72.0	1.4	2.4	3.8	3.3
8	18.0	25.8	20.4	83.0	6.2	0.0	6.2	.1
9	17.2	27.9	22.8	70.7	0.0	.5	.5	4.3
10	18.6	27.3	21.5	76.3	.4	.8	1.2	3.1
11	17.5	26.6	21.0	75.7	0.0	0.0	0.0	1.4
12	18.0	25.7	20.2	84.7	3.1	23.0	26.1	1.4
13	17.4	28.2	22.0	68.7	0.0	.4	.4	4.1
14	17.2	29.0	21.5	70.7	0.0	4.1	4.1	5.4
15	17.6	28.0	22.2	75.3	0.0	0.0	0.0	3.2
16	18.0	30.0	21.4	70.7	.7	0.0	.7	5.8
17	15.8	26.7	21.0	78.0	3.1	0.0	3.1	2.8
18	15.9	30.1	23.2	65.7	0.0	35.1	35.1	7.2
19	18.0	27.7	21.2	76.0	.2	0.0	.2	3.0
20	17.1	27.2	21.6	79.0	.4	0.0	.4	4.4
21	18.8	28.2	22.8	71.3	0.0	0.0	0.0	2.7
22	18.0	28.6	22.0	73.3	.6	21.3	21.9	3.7
23	17.5	26.6	21.2	80.0	1.0	0.0	1.0	1.4
24	18.6	29.4	23.1	69.0	0.0	0.0	0.0	6.1
25	18.1	29.8	23.0	65.7	0.0	0.0	0.0	4.3
26	18.7	26.7	20.8	77.7	14.8	2.4	17.2	2.3
27	17.6	27.4	22.4	72.3	0.0	.4	.4	4.6
28	18.6	29.8	22.4	74.0	.3	.2	.5	6.7
29	16.0	31.0	23.5	66.0	0.0	0.0	0.0	8.3
30	18.4	31.4	22.4	71.3	4.1	0.0	4.1	7.6
31								
Total :					49.1	119.0	168.1	
Promedio :	17.6	28.3	21.9	73.4				125.7
Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	29.9	23.3	69.7	0.0	0.0	0.0	6.0
2	19.0	29.3	23.2	74.0	0.0	0.0	0.0	4.4
3	18.0	29.8	21.5	74.0	4.6	0.0	4.6	3.5
4	17.5	29.9	23.8	62.3	0.0	0.0	0.0	8.0
5	18.9	31.2	22.7	72.7	0.0	47.0	47.0	5.2
6	17.0	26.8	21.5	76.3	1.3	1.8	3.1	4.3
7	18.0	27.2	21.2	78.7	1.5	0.0	1.5	2.6
8	17.0	28.1	21.6	77.0	2.5	0.0	2.5	4.6
9	18.5	29.8	23.7	76.0	0.0	0.0	0.0	5.1
10	17.2	31.6	23.4	64.3	0.0	0.0	0.0	9.2
11	17.9	32.1	23.9	69.3	0.0	0.0	0.0	7.8
12	18.9	26.2	22.3	68.3	0.0	0.0	0.0	1.8
13	17.0	26.0	20.9	73.3	0.0	0.0	0.0	2.4
14	15.0	30.0	21.8	71.7	0.0	0.0	0.0	7.5
15	17.0	30.8	23.2	66.7	0.0	47.0	47.0	6.5
16	16.0	27.0	21.7	66.3	0.0	0.0	0.0	3.1
17	16.8	26.3	20.3	81.7	22.1	26.7	48.8	3.4
18	16.0	28.9	22.5	65.0	0.0	4.4	4.4	4.9
19	18.9	27.0	21.8	79.7	.2	14.9	15.1	1.4
20	18.1	27.1	22.5	72.7	0.0	0.0	0.0	3.5
21	17.9	27.2	20.8	77.3	4.8	0.0	4.8	1.8
22	16.4	25.0	19.3	84.0	7.8	0.0	7.8	2.0
23	16.0	25.7	20.0	78.7	25.2	17.2	42.4	2.7
24	17.0	26.2	20.2	79.0	3.6	10.4	14.0	2.7
25	17.5	25.2	21.6	74.7	1.7	28.2	29.9	1.8
26	16.8	28.2	21.6	69.3	0.0	0.0	0.0	6.2
27	18.0	26.8	21.0	73.7	0.0	0.0	0.0	4.8
28	18.1	30.2	23.4	66.3	0.0	0.0	0.0	9.2
29	19.3	30.8	22.3	70.3	0.0	.3	.3	5.6
30	18.9	26.8	20.8	78.0	2.9	0.0	2.9	.7
31	18.0	27.9	21.5	77.0	4.9	2.8	7.7	2.3
Total :					83.1	200.7	283.8	
Promedio :	17.5	28.2	21.9	73.2				135.0

Estación : VENECIA  
Año : 1998

Dpto. : VALLE  
Mpio. : CAICEDONIA

Latitud : 4 ° 20' N  
Longitud : 75 ° 50' W  
Altitud : 1170 m

Noviembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.4	27.6	23.0	70.0	0.0	0.0	0.0	4.5
2	17.8	30.0	23.0	64.3	0.0	0.0	0.0	6.8
3	18.0	30.1	21.4	73.0	6.6	0.0	6.6	5.1
4	16.3	27.1	21.5	74.7	.5	.1	.6	2.8
5	17.8	25.0	19.8	91.3	10.0	0.0	10.0	1.7
6	18.0	28.2	21.8	69.3	0.0	.5	.5	3.6
7	17.4	25.3	21.2	72.7	0.0	0.0	0.0	1.0
8	16.8	26.5	20.7	82.3	.4	0.0	.4	2.5
9	15.9	28.0	22.6	68.7	0.0	49.2	49.2	3.4
10	17.0	26.4	21.0	71.0	.2	0.0	.2	4.7
11	16.9	28.2	22.6	69.3	0.0	0.0	0.0	5.5
12	18.7	26.9	22.0	74.7	0.0	0.0	0.0	.5
13	18.6	29.1	22.0	72.3	.4	0.0	.4	3.4
14	18.5	29.0	22.2	72.3	.3	1.7	2.0	2.5
15	17.0	29.5	21.8	73.7	12.7	5.5	18.2	4.8
16	17.9	28.8	23.1	70.7	0.0	0.0	0.0	4.2
17	19.2	27.0	22.0	75.7	0.0	0.0	0.0	1.1
18	18.6	27.1	23.0	71.3	0.0	0.0	0.0	1.8
19	17.0	27.8	20.8	77.0	4.8	0.0	4.8	4.0
20	17.1	26.0	22.0	75.3	0.0	.9	.9	1.5
21	19.0	25.9	20.6	80.0	35.0	26.2	61.2	1.4
22	17.5	23.9	20.0	78.3	16.3	0.0	16.3	.1
23	15.8	28.9	21.2	72.3	0.0	5.7	5.7	8.4
24	18.0	24.0	19.7	82.3	3.5	1.9	5.4	.2
25	16.9	27.8	21.4	74.7	0.0	0.0	0.0	5.9
26	18.0	28.6	22.3	68.0	0.0	3.9	3.9	5.2
27	18.7	26.4	22.0	74.0	1.4	.3	1.7	5.7
28	18.0	23.0	19.9	86.7	2.2	.3	2.5	.6
29	17.5	26.2	22.0	71.7	0.0	2.5	2.5	3.9
30	18.7	29.2	22.5	70.0	0.0	18.8	18.8	7.6
31								
Total :					94.3	117.5	211.8	104.4
Promedio :	17.7	27.3	21.6	74.3				

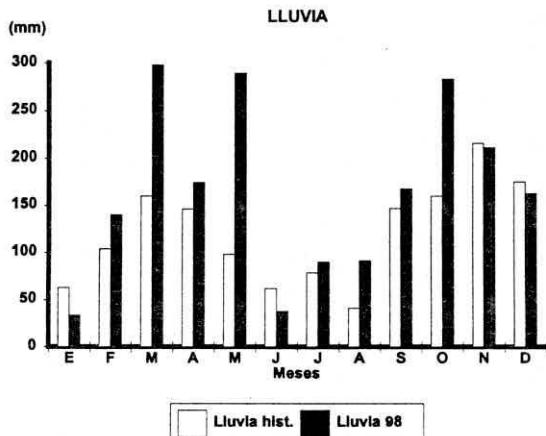
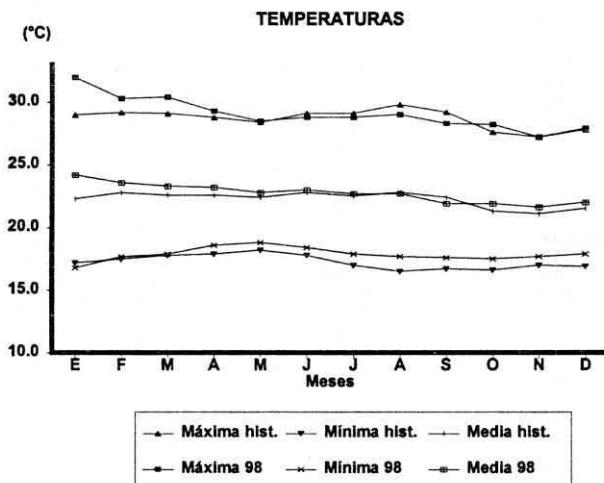
Diciembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.3	28.4	22.9	66.0	.4	2.1	2.5	4.8
2	18.7	26.4	20.3	81.3	9.3	1.3	10.6	2.2
3	17.0	28.8	22.1	69.7	0.0	0.0	0.0	5.9
4	18.4	27.8	22.5	68.7	0.0	0.0	0.0	1.3
5	17.1	28.8	20.8	75.7	13.9	36.5	50.4	3.7
6	18.2	25.9	20.6	72.0	15.5	0.0	15.5	3.0
7	17.2	27.1	21.1	68.7	.2	0.0	.2	3.5
8	16.0	28.8	22.5	68.3	0.0	0.0	0.0	6.6
9	18.5	27.7	22.8	67.7	0.0	0.0	0.0	3.4
10	18.6	26.6	22.2	68.7	0.0	1.1	1.1	2.2
11	18.5	27.0	21.6	75.3	.1	1.4	1.5	2.4
12	18.7	28.8	21.6	76.3	2.5	11.3	13.8	2.9
13	18.0	26.4	21.1	76.7	.3	0.0	.3	1.9
14	18.8	29.2	23.1	68.3	0.0	.5	.5	4.7
15	18.0	28.2	22.4	71.0	0.0	0.0	0.0	2.5
16	17.2	23.4	20.0	79.7	0.0	0.0	0.0	0.0
17	16.8	27.4	21.2	74.0	.1	.4	.5	4.4
18	18.0	28.2	22.2	70.7	0.0	0.0	0.0	3.9
19	18.7	30.0	23.3	64.3	0.0	14.2	14.2	5.8
20	16.4	28.4	22.1	71.0	0.0	.5	.5	4.7
21	17.8	28.5	22.4	65.0	0.0	4.1	4.1	6.5
22	18.0	28.8	21.8	69.7	8.5	.9	9.4	5.9
23	17.0	28.2	21.6	69.3	0.0	0.0	0.0	6.0
24	17.1	28.1	22.2	69.0	0.0	.5	.5	5.1
25	18.0	27.6	21.8	71.3	0.0	.4	.4	2.9
26	17.8	29.0	22.2	61.7	0.0	0.0	0.0	5.7
27	17.2	29.5	23.1	63.7	0.0	0.0	0.0	5.7
28	19.4	28.2	21.5	74.7	17.3	10.1	27.4	3.4
29	17.9	26.6	22.1	72.7	0.0	.4	.4	5.6
30	18.4	28.2	23.6	65.3	0.0	9.2	9.2	6.0
31	18.0	29.0	22.8	71.7	0.0	0.0	0.0	4.9
Total :					68.1	94.9	163.0	127.3
Promedio :	17.9	27.9	22.0	70.6				

Estación : VENECIA  
Año : 1998

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.	Días Lluvia	Brillo Sol. (h)
Enero	16.8	32.0	24.2	34.5	15.1	64.0	33.8	3	227.4
Febrero	17.7	30.3	23.6	36.1	14.8	69.1	140.0	7	131.4
Marzo	17.9	30.4	23.3	33.5	16.0	71.0	298.1	19	146.5
Abri	18.6	29.3	23.2	31.5	16.7	74.4	174.6	19	104.0
Mayo	18.8	28.5	22.8	32.4	17.0	74.7	289.7	17	106.7
Junio	18.4	28.8	23.0	31.6	15.5	71.2	37.8	13	130.9
Julio	17.9	28.8	22.7	31.6	14.6	69.6	90.3	11	153.6
Agosto	17.7	29.0	22.7	31.4	15.2	70.6	91.6	15	146.8
Septiembre	17.6	28.3	21.9	31.4	15.8	73.4	168.1	21	125.7
Octubre	17.5	28.2	21.9	32.1	15.0	73.2	283.8	17	135.0
Noviembre	17.7	27.2	21.6	30.1	15.8	74.3	211.8	21	104.4
Diciembre	17.9	27.9	22.0	30.0	16.0	70.6	163.0	20	127.3
Promedio :	17.9	29.1	22.7			71.3			
Absoluta :				36.1	14.6				
Total :							1982.6	183	1639.7



Estación : LA SIRENA  
Año : 1998

Dpto. : VALLE  
Mpio. : SEVILLA

Latitud : 4 ° 17'N  
Longitud : 75 ° 55'W  
Altitud : 1540 m

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.8	26.0	22.4	80.3	0.0	0.0	0.0	3.2
2	17.5	28.0	22.7	76.0	0.0	0.0	0.0	8.3
3	17.7	29.0	22.7	76.7	0.0	0.0	0.0	9.4
4	17.5	30.0	23.4	75.3	0.0	0.0	0.0	7.2
5	18.0	29.5	22.3	78.7	0.0	0.0	0.0	7.3
6	18.0	24.5	21.0	86.3	0.0	0.0	0.0	0.0
7	17.0	24.0	20.4	87.3	0.0	0.0	0.0	.4
8	17.2	27.0	22.4	71.0	0.0	0.0	0.0	8.4
9	17.0	29.0	22.2	76.7	0.0	0.0	0.0	4.5
10	16.5	28.0	22.0	78.0	0.0	0.0	0.0	6.6
11	17.0	29.5	22.0	80.0	0.0	0.0	0.0	6.3
12	18.5	26.0	22.2	84.3	0.0	0.0	0.0	.5
13	18.5	29.5	21.8	78.7	0.0	0.0	0.0	5.6
14	17.0	26.0	20.2	81.7	31.0	0.0	31.0	2.2
15	16.5	29.0	21.8	78.0	0.0	0.0	0.0	8.0
16	17.8	28.0	21.8	80.7	0.0	0.0	0.0	4.8
17	17.5	28.0	22.2	78.7	0.0	0.0	0.0	5.5
18	17.2	28.1	22.0	79.3	0.0	0.0	0.0	5.4
19	16.5	28.5	21.9	77.0	0.0	0.0	0.0	5.9
20	17.5	27.0	21.7	82.0	0.0	0.0	0.0	3.3
21	18.5	30.0	24.0	69.7	0.0	0.0	0.0	8.1
22	18.0	28.5	22.6	76.3	0.0	0.0	0.0	4.4
23	18.2	29.5	22.7	74.3	0.0	0.0	0.0	6.3
24	18.0	29.0	22.8	71.7	0.0	0.0	0.0	5.9
25	17.0	30.0	22.0	73.7	0.0	0.0	0.0	8.7
26	17.5	29.5	23.9	60.7	0.0	0.0	0.0	7.4
27	18.5	28.0	22.3	73.0	0.0	0.0	0.0	4.0
28	18.4	28.0	23.0	70.0	0.0	0.0	0.0	2.9
29	18.5	30.5	23.8	69.7	0.0	0.0	0.0	9.3
30	19.0	28.5	22.4	74.0	0.0	0.0	0.0	3.8
31	18.5	30.5	23.2	73.0	0.0	0.0	0.0	8.2
Total :					31.0	0.0	31.0	
Promedio :	17.7	28.3	22.3	76.5				171.8

Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	31.0	24.8	69.0	0.0	0.0	0.0	8.2
2	19.5	29.5	23.1	76.3	.2	0.0	.2	3.8
3	16.0	26.5	20.8	78.7	7.8	0.0	7.8	.9
4	17.5	29.0	22.5	77.3	0.0	0.0	0.0	5.1
5	18.5	25.0	21.9	83.3	0.0	0.0	0.0	0.0
6	18.8	26.0	22.2	79.0	0.0	0.0	0.0	1.2
7	18.0	28.5	21.9	80.3	0.0	46.3	46.3	2.4
8	17.5	22.2	19.7	88.0	5.3	26.4	31.7	0.0
9	16.0	23.2	19.9	83.3	0.0	0.0	0.0	.8
10	17.5	21.5	19.0	92.7	3.2	0.0	3.2	0.0
11	17.0	22.8	19.6	85.7	19.0	0.0	19.0	0.0
12	16.7	23.5	21.2	75.7	0.0	0.0	0.0	.4
13	17.0	28.5	21.0	78.3	2.0	28.9	30.9	4.8
14	16.0	25.5	20.4	83.0	0.0	10.9	10.9	2.1
15	15.6	26.5	22.4	73.3	0.0	0.0	0.0	7.3
16	17.5	29.0	22.8	71.3	0.0	0.0	0.0	7.4
17	18.0	30.5	23.4	64.0	0.0	0.0	0.0	9.9
18	18.5	28.0	22.5	73.7	0.0	0.0	0.0	5.3
19	17.7	27.5	21.8	77.3	0.0	0.0	0.0	2.5
20	17.0	27.5	22.0	77.7	0.0	0.0	0.0	3.2
21	18.0	26.0	22.0	76.0	0.0	0.0	0.0	1.6
22	17.8	28.5	22.3	74.3	0.0	0.0	0.0	4.3
23	19.0	26.0	21.9	79.0	0.0	0.0	0.0	.3
24	18.5	27.5	22.2	77.0	0.0	0.0	0.0	2.6
25	18.0	29.5	22.8	79.3	0.0	0.0	0.0	5.7
26	18.2	28.0	21.6	79.0	4.1	0.0	4.1	5.9
27	18.5	28.5	21.8	79.0	0.0	0.0	0.0	4.0
28	18.0	28.0	22.8	76.3	0.0	0.0	0.0	3.5
29								
30								
31								
Total :					41.6	112.5	154.1	93.2
Promedio :	17.7	26.8	21.8	78.1				

Estación : LA SIRENA  
Año : 1998

Dpto. : VALLE  
Mpio. : SEVILLA

Latitud : 4 ° 17'N  
Longitud : 75 ° 55'W  
Altitud : 1540 m

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.5	28.0	22.0	79.0	.2	.2	.4	2.8
2	18.0	23.0	19.5	89.7	2.4	0.0	2.4	2.2
3	17.5	28.0	22.0	75.3	0.0	0.0	0.0	6.6
4	17.9	28.5	22.9	74.3	0.0	0.0	0.0	5.8
5	18.5	27.0	21.9	79.3	0.0	0.0	0.0	7
6	19.0	26.0	21.8	79.7	0.0	0.0	0.0	3.0
7	17.0	27.0	20.5	82.3	61.4	5.5	66.9	1.6
8	16.5	27.0	21.0	84.3	0.0	4.5	4.5	3.9
9	16.7	27.5	20.7	80.0	31.3	0.0	31.3	2.6
10	17.5	27.0	21.2	79.3	0.0	9.3	9.3	3.9
11	17.6	27.0	21.0	80.7	6.4	0.0	6.4	2.4
12	18.0	27.5	23.0	73.7	0.0	0.0	0.0	3.5
13	18.5	28.5	21.6	76.7	3.0	0.0	3.0	6.0
14	18.0	27.5	21.8	76.7	.2	0.0	.2	3.3
15	17.0	26.0	21.5	76.7	.1	0.0	.1	2.4
16	18.0	28.0	21.5	76.0	7.6	0.0	7.6	5.1
17	18.5	28.5	21.9	80.7	0.0	0.0	0.0	3.7
18	19.0	28.8	23.0	77.0	0.0	0.0	0.0	6.7
19	18.0	29.0	23.0	76.0	0.0	0.0	0.0	4.6
20	17.5	27.0	20.6	80.7	36.5	0.0	36.5	.1
21	18.5	26.0	22.2	75.7	0.0	0.0	0.0	4.2
22	17.9	27.7	21.5	77.3	5.0	.4	5.4	5.8
23	16.7	20.9	18.6	91.7	8.3	3.2	11.5	0.0
24	16.0	26.1	21.4	79.3	0.0	0.0	0.0	2.5
25	18.7	28.2	21.6	77.3	.9	.7	1.6	5.3
26	17.0	26.0	20.0	84.7	1.1	2.7	3.8	2.1
27	16.2	24.7	20.2	87.3	1.3	42.7	44.0	.5
28	16.3	24.4	20.4	80.7	.6	1.8	2.4	1.8
29	18.0	25.0	20.8	84.0	.8	16.8	17.6	.9
30	17.0	23.0	18.5	94.0	21.9	.7	22.6	.5
31	16.3	25.0	21.0	75.7	0.0	.2	.2	2.8
Total :	17.6	26.6	21.2	80.2	189.0	88.7	277.7	95.3
Promedio :								

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	26.3	21.8	80.0	3.8	0.0	3.8	2.5
2	17.5	25.2	20.6	79.0	7.2	.8	8.0	3.2
3	16.8	24.0	21.0	85.3	2.7	12.4	15.1	.5
4	17.0	24.6	21.5	78.3	.4	0.0	.4	1.5
5	17.8	24.8	20.8	76.7	4.4	0.0	4.4	5.3
6	17.0	25.2	21.0	75.7	7.7	42.5	50.2	1.8
7	17.1	24.7	21.5	79.3	0.0	0.0	0.0	3.3
8	18.8	25.0	22.0	81.0	0.0	0.0	0.0	1.6
9	17.9	26.2	22.1	77.3	0.0	0.0	0.0	1.3
10	18.0	25.8	21.8	76.0	0.0	0.0	0.0	2.2
11	16.3	20.9	18.6	88.3	25.8	1.5	27.3	0.0
12	15.5	25.0	20.1	81.3	.1	0.0	.1	2.5
13	17.8	24.9	20.0	79.0	27.8	4.0	31.8	2.2
14	16.2	24.6	21.0	80.0	0.0	0.0	0.0	1.2
15	18.5	25.1	20.7	84.0	10.7	0.0	10.7	2.2
16	18.0	27.8	21.8	78.7	.1	0.0	.1	6.1
17	18.2	25.8	21.8	81.7	0.0	0.0	0.0	1.4
18	18.0	24.6	21.6	81.7	0.0	0.0	0.0	.8
19	17.7	23.7	20.0	83.3	17.1	6.4	23.5	.7
20	16.8	25.3	21.6	80.0	9.2	0.0	9.2	3.2
21	17.9	24.4	20.6	81.7	0.0	0.0	0.0	1.0
22	17.0	25.9	22.0	78.7	0.0	0.0	0.0	2.9
23	18.0	24.5	21.5	79.7	.1	0.0	.1	.2
24	17.3	25.0	20.7	81.7	0.0	0.0	0.0	1.7
25	17.7	25.3	21.8	77.0	0.0	4.5	4.5	3.8
26	17.0	23.0	19.4	85.3	41.1	0.0	41.1	0.0
27	17.1	26.0	20.8	76.3	0.0	0.0	0.0	6.5
28	17.5	24.2	21.0	84.0	.4	0.0	.4	1.1
29	17.1	26.3	21.9	80.3	.2	0.0	.2	4.3
30	18.3	25.5	21.2	83.0	.3	2.9	3.2	1.6
31								
Total :					159.1	75.0	234.1	66.6
Promedio :								

Estación : LA SIRENA  
Año : 1998

Dpto. : VALLE  
Mpio. : SEVILLA

Latitud : 4 ° 17'N  
Longitud : 75 ° 55'W  
Altitud : 1540 m

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.5	22.5	19.8	87.7	7.0	.2	7.2	.1
2	16.6	24.3	20.4	85.0	2.1	5.3	7.4	.9
3	16.0	21.0	18.4	89.0	14.7	14.7	29.4	0.0
4	15.8	20.2	17.8	89.7	7.0	.6	7.6	0.0
5	15.7	24.0	18.9	86.7	19.1	.2	19.3	.9
6	16.5	23.2	20.2	86.7	0.0	.2	.2	.4
7	16.9	24.6	20.1	89.3	5.8	0.0	5.8	2.8
8	17.6	26.6	21.6	85.7	2.9	27.0	29.9	4.7
9	18.0	25.2	20.5	90.7	0.0	0.0	0.0	3.0
10	18.6	27.0	21.5	87.7	.8	.6	1.4	3.5
11	18.4	25.4	20.4	91.7	13.5	0.0	13.5	2.9
12	17.6	24.8	19.8	91.3	.1	0.0	.1	.4
13	18.2	27.2	22.2	85.0	0.0	0.0	0.0	6.2
14	18.2	27.8	23.1	81.0	0.0	1.8	1.8	6.2
15	18.6	24.3	20.8	88.0	0.0	0.0	0.0	.1
16	18.0	27.0	22.0	84.7	0.0	0.0	0.0	5.2
17	19.4	25.0	21.5	90.7	1.1	0.0	1.1	0.0
18	19.0	26.8	22.6	82.3	0.0	0.0	0.0	5.0
19	18.7	27.0	23.2	77.3	0.0	0.0	0.0	6.0
20	18.4	29.4	23.2	80.0	0.0	0.0	0.0	9.4
21	19.3	28.5	22.8	79.3	0.0	0.0	0.0	6.9
22	18.7	28.4	23.4	80.7	0.0	0.0	0.0	8.2
23	19.2	26.7	21.8	84.3	.7	1.4	2.1	3.0
24	19.3	26.2	22.4	85.0	.5	.4	.9	2.9
25	18.7	24.3	21.4	92.3	0.0	13.8	13.8	.2
26	17.5	24.7	19.0	91.7	18.9	3.4	22.3	1.7
27	17.0	23.0	18.8	91.7	22.9	7.5	30.4	1.5
28	17.2	22.0	18.6	91.3	10.9	6.3	17.2	.2
29	16.5	21.6	18.7	94.7	0.0	0.0	0.0	.7
30	17.0	24.0	20.8	86.0	0.0	0.0	0.0	1.4
31	16.8	26.4	20.4	85.3	74.4	1.9	76.3	2.5
Total :					202.4	85.3	287.7	86.9
Promedio :	17.8	25.1	20.8	86.9				
Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.8	24.4	19.2	93.0	20.0	18.9	38.9	1.2
2	16.5	24.6	19.4	88.3	0.0	2.0	2.0	3.0
3	17.7	25.0	20.7	91.0	.9	0.0	.9	1.1
4	17.6	27.0	21.8	83.0	0.0	.4	.4	5.5
5	18.3	27.2	21.2	86.0	2.1	0.0	2.1	3.3
6	17.8	25.2	21.6	85.0	0.0	0.0	0.0	4.0
7	18.2	25.8	20.3	88.0	32.3	0.0	32.3	2.5
8	17.8	25.0	20.6	85.7	0.0	24.0	24.0	2.6
9	17.4	26.0	21.4	85.7	0.0	0.0	0.0	4.6
10	18.7	26.8	21.5	82.3	0.0	0.0	0.0	2.1
11	17.4	26.5	21.0	88.0	0.0	0.0	0.0	3.1
12	18.6	27.5	22.5	85.3	0.0	0.0	0.0	4.7
13	18.7	27.4	22.7	83.3	0.0	0.0	0.0	8.9
14	17.8	27.0	21.6	87.0	0.0	3.5	3.5	2.0
15	17.2	22.8	18.9	94.3	10.3	2.8	13.1	0.0
16	16.6	24.0	19.8	90.3	0.0	0.0	0.0	2.1
17	17.4	25.8	21.3	84.7	0.0	0.0	0.0	2.4
18	17.6	24.4	20.6	86.3	0.0	0.0	0.0	1.2
19	17.5	26.0	20.6	86.0	.8	0.0	.8	2.7
20	18.0	25.6	21.2	85.3	0.0	0.0	0.0	2.6
21	18.4	25.2	20.4	89.7	.3	0.0	.3	3.5
22	17.4	26.0	20.2	89.0	0.0	.1	.1	2.1
23	17.2	25.8	20.7	87.3	0.0	0.0	0.0	2.3
24	17.3	25.7	21.5	84.7	0.0	0.0	0.0	4.4
25	18.2	26.8	22.2	82.3	0.0	0.0	0.0	5.9
26	18.8	27.2	21.8	87.0	0.0	0.0	0.0	3.0
27	18.7	25.7	20.6	88.7	2.0	0.0	2.0	.6
28	17.3	25.0	20.4	92.3	.5	.1	.6	2.1
29	16.8	25.0	21.0	86.0	0.0	0.0	0.0	1.7
30	16.8	27.7	23.3	63.3	0.0	0.0	0.0	8.0
Total :					69.2	51.8	121.0	93.2
Promedio :	17.6	25.8	21.0	86.3				

Estación : LA SIRENA  
Año : 1998

Dpto. : VALLE  
Mpio. : SEVILLA

Latitud : 4 ° 17'N  
Longitud : 75 ° 55'W  
Altitud : 1540 m

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.5	27.4	22.4	67.7	0.0	0.0	0.0	8.8
2	17.3	25.8	20.8	86.3	0.0	0.0	0.0	3.7
3	17.2	25.6	20.4	85.3	21.2	14.2	35.4	1.7
4	16.7	24.8	19.0	92.7	11.8	36.2	48.0	1.9
5	16.0	22.0	18.2	93.7	10.0	0.0	10.0	.7
6	16.8	24.8	19.2	88.7	.2	10.3	10.5	3.4
7	16.9	23.0	19.4	90.7	.8	.4	1.2	1.9
8	16.7	24.6	19.4	88.3	1.4	4.5	5.9	2.1
9	16.6	22.5	19.2	90.3	1.4	.2	1.6	.7
10	17.0	25.2	20.8	86.3	0.0	0.0	0.0	5.1
11	17.6	25.2	20.4	86.3	0.0	0.0	0.0	3.4
12	17.2	26.7	20.8	84.7	0.0	0.0	0.0	5.2
13	17.0	26.0	20.0	88.7	0.0	0.0	0.0	4.5
14	16.2	25.8	21.0	80.0	0.0	0.0	0.0	4.9
15	17.2	25.4	20.2	84.0	0.0	.4	.4	2.8
16	17.0	24.5	19.3	91.7	.3	2.6	2.9	4.7
17	16.7	24.4	20.0	88.3	1.2	8.8	10.0	1.8
18	16.9	23.6	19.2	91.7	.7	6.3	7.0	1.9
19	16.6	25.0	19.8	83.0	.2	3.8	4.0	3.8
20	17.0	26.2	20.6	84.7	0.0	0.0	0.0	5.8
21	16.7	26.0	20.7	82.7	0.0	0.0	0.0	6.7
22	17.0	25.9	19.8	89.3	.3	0.0	.3	2.4
23	16.4	24.4	19.9	87.7	0.0	0.0	0.0	3.1
24	17.0	25.0	20.0	89.3	0.0	0.0	0.0	3.2
25	17.2	24.5	19.2	88.3	0.0	0.0	0.0	2.2
26	17.0	26.4	20.5	88.3	4.0	0.0	4.0	4.6
27	17.4	25.6	20.4	87.7	0.0	0.0	0.0	4.4
28	17.9	26.2	20.0	86.7	11.0	.8	11.8	3.4
29	17.6	26.3	20.9	87.0	0.0	0.0	0.0	4.6
30	18.2	24.8	20.4	90.0	0.0	0.0	0.0	2.1
31	17.4	26.0	20.3	87.0	0.0	0.0	0.0	4.3
Total :					64.5	88.5	153.0	
Promedio :	17.0	25.1	20.1	87.0				109.8

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.3	26.7	21.3	86.3	0.0	0.0	0.0	5.8
2	17.9	27.6	21.9	81.7	0.0	0.0	0.0	6.3
3	17.6	27.0	21.6	81.7	0.0	0.0	0.0	6.3
4	17.8	25.4	21.5	85.7	0.0	0.0	0.0	1.9
5	18.0	25.0	20.5	88.0	1.1	11.3	12.4	1.2
6	16.5	22.0	18.4	89.3	1.2	.1	1.3	1.3
7	16.4	24.2	19.3	85.3	.8	.2	1.0	1.8
8	16.2	23.0	18.8	88.0	0.0	0.0	0.0	1.1
9	15.8	27.0	21.6	76.3	0.0	0.0	0.0	8.9
10	17.0	26.0	20.7	83.7	0.0	8.0	8.0	2.4
11	17.2	25.8	20.8	84.0	0.0	0.0	0.0	2.9
12	16.9	26.4	20.6	82.7	.2	0.0	.2	4.2
13	17.0	25.2	20.2	84.3	0.0	0.0	0.0	1.7
14	17.2	25.3	20.7	81.7	0.0	2.0	2.0	2.8
15	16.2	21.4	18.7	91.0	10.4	0.0	10.4	.7
16	16.4	25.7	20.9	78.7	0.0	0.0	0.0	6.3
17	17.4	25.6	19.8	87.3	3.2	0.0	3.2	5.1
18	17.0	26.4	20.8	82.7	0.0	13.6	13.6	4.3
19	16.9	24.3	19.4	89.7	0.0	.4	.4	2.4
20	16.3	24.0	20.4	87.3	.3	0.0	.3	3.6
21	17.0	25.3	20.4	85.3	0.0	0.0	0.0	3.9
22	18.0	26.5	20.8	83.3	0.0	0.0	0.0	4.6
23	16.4	27.0	20.8	84.0	0.0	0.0	0.0	5.9
24	17.2	27.8	22.1	78.3	0.0	11.9	11.9	4.1
25	17.0	24.4	19.3	87.3	.1	10.8	10.9	.5
26	16.8	22.5	19.2	88.7	1.2	0.0	1.2	2.4
27	17.0	25.0	20.2	81.3	0.0	0.0	0.0	1.8
28	16.8	28.0	21.6	78.7	0.0	0.0	0.0	8.8
29	17.0	27.0	21.0	83.7	0.0	0.0	0.0	4.0
30	18.0	25.4	20.6	89.7	.8	0.0	.8	4.7
31	17.2	26.4	21.2	79.7	0.0	0.0	0.0	2.5
Total :					19.3	58.3	77.6	
Promedio :	17.0	25.5	20.5	84.4				114.2

Estación : LA SIRENA  
Año : 1998

Dpto. : VALLE  
Mpio. : SEVILLA

Latitud : 4 ° 17'N  
Longitud : 75 ° 55'W  
Altitud : 1540 m

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.6	26.0	20.5	86.7	0.0	0.0	0.0	4.1
2	16.9	26.5	19.6	87.0	71.7	9.7	81.4	2.7
3	16.7	22.9	19.0	87.3	2.9	0.0	2.9	.7
4	16.6	24.9	19.8	88.3	.5	0.0	.5	4.3
5	16.8	25.0	20.8	86.7	0.0	0.0	0.0	2.7
6	17.4	27.8	21.0	80.0	2.9	0.0	2.9	5.9
7	17.8	25.0	19.9	86.7	11.2	9.7	20.9	1.9
8	16.8	22.4	18.4	93.7	4.0	0.0	4.0	.5
9	16.9	24.4	20.0	88.0	0.0	2.7	2.7	2.9
10	17.0	23.0	19.2	91.7	0.0	0.0	0.0	1.0
11	16.9	23.4	19.3	88.3	0.0	0.0	0.0	1.5
12	17.0	22.2	18.0	97.0	2.9	54.0	56.9	.5
13	15.6	25.2	19.0	84.7	.8	0.0	.8	3.5
14	15.8	25.7	19.6	83.7	3.1	2.5	5.6	4.1
15	15.6	25.2	20.2	84.0	0.0	0.0	0.0	2.0
16	17.7	26.8	21.1	78.3	.1	0.0	.1	5.6
17	17.6	24.2	19.8	81.0	1.3	0.0	1.3	2.2
18	16.0	26.8	20.9	81.3	0.0	16.1	16.1	5.7
19	16.2	24.4	19.4	87.3	.3	0.0	.3	2.1
20	17.0	25.4	20.2	87.3	.3	.5	.8	2.8
21	17.8	24.6	20.6	84.0	0.0	0.0	0.0	2.2
22	17.0	24.2	19.0	95.0	4.4	20.8	25.2	1.5
23	16.0	23.2	18.6	89.3	2.2	.1	2.3	.8
24	17.5	25.3	20.8	82.3	0.0	0.0	0.0	3.9
25	17.0	26.0	20.4	82.7	0.0	5.8	5.8	3.6
26	16.8	23.8	18.2	88.0	23.3	4.8	28.1	1.6
27	16.0	24.1	19.6	80.7	0.0	.4	.4	2.8
28	17.0	25.9	20.4	83.0	0.0	0.0	0.0	4.4
29	16.0	26.0	21.6	78.7	0.0	0.0	0.0	6.1
30	17.0	27.0	20.6	81.0	4.8	0.0	4.8	5.6
31								
Total :					136.7	127.1	263.8	
Promedio :	16.8	24.9	19.9	85.8				89.2

Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	25.1	21.6	82.3	0.0	0.0	0.0	4.7
2	18.0	25.2	21.0	88.7	.1	0.0	.1	2.8
3	17.4	25.1	19.8	82.3	.8	0.0	.8	2.5
4	16.4	26.2	21.3	77.0	0.0	0.0	0.0	5.2
5	17.8	26.0	20.3	83.0	9.4	18.4	27.8	3.3
6	16.0	25.2	20.0	82.3	.6	.7	1.3	3.3
7	17.2	23.2	19.2	85.3	0.0	0.0	0.0	2.1
8	16.8	24.8	19.8	84.0	6.9	0.0	6.9	2.9
9	17.8	25.1	20.4	84.3	0.0	0.0	0.0	5.1
10	17.0	27.0	20.8	81.0	0.0	0.0	0.0	6.6
11	17.1	26.8	21.8	79.0	0.0	0.0	0.0	6.3
12	17.0	24.0	19.8	85.7	6.3	.4	6.7	1.5
13	16.0	23.9	19.2	85.0	1.8	0.0	1.8	3.1
14	16.1	25.3	20.2	83.0	0.0	0.0	0.0	4.0
15	16.8	25.4	20.8	81.0	0.0	20.1	20.1	4.3
16	14.8	25.0	19.7	81.0	0.0	0.0	0.0	3.5
17	17.0	23.0	18.9	90.7	1.9	7.1	9.0	2.5
18	15.0	26.0	19.8	85.7	.1	1.0	1.1	3.5
19	17.0	23.4	19.0	92.7	.6	19.8	20.4	2.5
20	16.0	24.4	18.6	89.3	.3	0.0	.3	3.0
21	16.4	23.4	17.9	93.7	7.0	0.0	7.0	1.2
22	15.4	21.8	17.2	92.0	14.1	0.0	14.1	1.0
23	15.0	22.2	18.0	89.0	3.5	25.6	29.1	1.3
24	15.1	21.2	17.2	92.0	3.2	13.1	16.3	2.3
25	15.0	22.6	18.6	88.3	.2	30.7	30.9	3.6
26	14.8	25.0	19.7	76.3	0.0	0.0	0.0	7.1
27	17.0	23.0	18.6	90.0	0.0	0.0	0.0	1.8
28	16.4	26.0	20.3	80.7	0.0	0.0	0.0	6.3
29	16.8	25.0	20.5	83.3	0.0	0.0	0.0	2.8
30	16.7	22.8	18.2	89.0	10.0	0.0	10.0	.1
31	17.0	23.9	18.8	93.0	5.2	9.6	14.8	2.8
Total :					72.0	146.5	218.5	
Promedio :	16.4	24.4	19.6	85.5				103.0

Estación : LA SIRENA  
Año : 1998

Dpto. : VALLE  
Mpio. : SEVILLA

Latitud : 4 ° 17'N  
Longitud : 75 ° 55'W  
Altitud : 1540 m

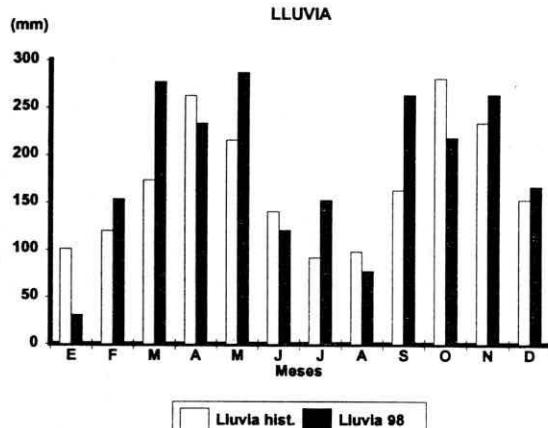
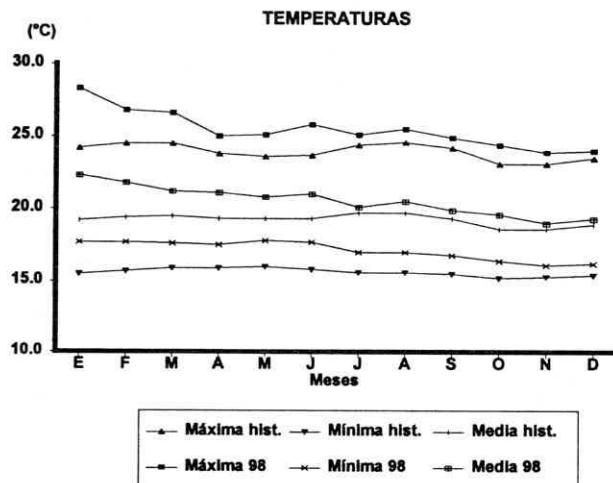
Noviembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.2	25.5	19.7	85.0	2.0	7.2	9.2	2.3
2	16.8	25.8	19.4	81.7	13.7	0.0	13.7	3.1
3	16.4	24.7	19.0	80.0	36.8	0.0	36.8	2.6
4	16.0	23.4	18.9	87.7	.1	.6	.7	2.9
5	16.1	21.4	18.4	91.7	16.0	0.0	16.0	1.3
6	16.0	25.2	18.2	82.0	5.4	11.5	16.9	2.8
7	15.5	22.6	18.9	84.7	0.0	0.0	0.0	2.1
8	16.2	25.0	19.0	86.7	0.0	0.0	0.0	1.2
9	16.0	24.2	19.4	87.3	0.0	56.9	56.9	1.6
10	15.0	23.0	19.0	85.0	.4	0.0	.4	2.4
11	16.1	25.8	20.4	82.0	.1	0.0	.1	4.2
12	17.0	23.0	19.4	86.0	0.0	0.0	0.0	.8
13	16.6	25.0	19.5	84.0	15.3	0.0	15.3	2.4
14	16.4	24.0	18.8	89.3	.2	2.3	2.5	.9
15	16.1	25.0	19.2	84.7	15.5	4.9	20.4	4.5
16	16.4	24.7	19.8	85.7	0.0	0.0	0.0	2.7
17	18.0	23.0	19.9	84.3	0.0	0.0	0.0	.3
18	17.0	23.8	20.0	86.0	0.0	0.0	0.0	1.2
19	16.9	25.0	19.0	78.7	12.4	0.0	12.4	2.1
20	16.0	22.5	19.0	87.0	0.0	4.2	4.2	.7
21	16.4	23.8	17.8	89.0	9.0	33.1	42.1	.8
22	15.0	21.2	17.6	87.7	7.6	0.0	7.6	.4
23	15.0	26.2	19.6	80.3	0.0	2.7	2.7	8.4
24	16.2	20.2	17.6	94.3	3.1	2.0	5.1	.2
25	15.0	24.0	19.2	86.0	0.0	0.0	0.0	5.0
26	16.0	24.0	19.6	84.0	0.0	0.0	0.0	3.2
27	16.1	22.0	18.5	87.3	.2	.6	.8	.9
28	15.8	21.8	17.3	88.3	.6	0.0	.6	1.5
29	15.2	24.2	18.7	84.7	0.0	0.0	0.0	3.6
30	16.6	25.8	19.8	82.0	0.0	0.0	0.0	6.5
31								
Total :					138.4	126.0	264.4	72.6
Promedio :	16.1	23.9	19.0	85.4				
Diciembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	25.1	20.0	79.0	0.0	2.1	2.1	3.3
2	16.4	23.0	18.0	89.0	18.9	2.3	21.2	1.0
3	15.0	25.4	19.2	85.0	0.0	0.0	0.0	5.3
4	16.8	24.2	20.2	81.0	0.0	0.0	0.0	1.7
5	16.6	24.3	20.0	81.3	0.0	3.7	3.7	1.7
6	16.0	22.9	18.7	82.7	12.6	0.0	12.6	3.4
7	16.2	23.2	19.0	81.7	2.5	0.0	2.5	3.4
8	15.6	24.0	18.8	83.7	1.0	0.0	1.0	3.0
9	16.0	24.8	19.8	81.7	0.0	0.0	0.0	1.1
10	16.6	23.0	19.0	89.3	0.0	.6	.6	.9
11	16.2	23.1	19.0	87.7	0.0	22.3	22.3	1.3
12	16.0	24.0	18.8	89.3	6.0	6.8	12.8	1.5
13	16.2	23.2	18.4	87.0	0.0	0.0	0.0	1.5
14	17.0	25.2	20.0	84.0	0.0	0.0	0.0	2.8
15	17.2	24.7	19.8	85.3	14.9	0.0	14.9	1.1
16	17.0	20.0	18.1	94.3	0.0	0.0	0.0	0.0
17	16.0	23.2	18.6	89.7	1.2	.1	1.3	.9
18	16.1	24.2	19.8	84.3	0.0	0.0	0.0	2.3
19	16.0	25.4	19.8	79.7	0.0	11.0	11.0	2.9
20	15.9	23.0	18.8	84.3	.5	0.0	.5	2.1
21	16.0	24.2	19.0	80.3	.1	0.0	.1	4.5
22	16.2	25.3	20.6	73.7	0.0	0.0	0.0	3.6
23	16.4	25.2	19.9	82.0	0.0	0.0	0.0	3.1
24	16.0	24.7	20.0	77.7	0.0	.2	.2	2.6
25	15.9	23.8	18.8	86.0	5.9	0.0	5.9	1.3
26	16.0	23.7	19.3	85.7	0.0	0.0	0.0	2.4
27	15.9	24.8	19.2	83.0	0.0	.1	.1	2.4
28	16.1	23.8	18.9	86.3	0.0	14.6	14.6	2.2
29	15.9	23.1	19.4	85.0	0.0	.3	.3	3.2
30	16.6	25.2	18.3	87.3	34.3	4.8	39.1	3.2
31	16.8	25.0	20.5	84.7	0.0	0.0	0.0	4.5
Total :					97.9	68.9	166.8	74.2
Promedio :	16.2	24.0	19.3	84.2				

Estación : LA SIRENA  
Año : 1998

Dpto. : VALLE  
Mpio. : SEVILLA

Latitud : 4 ° 17' N  
Longitud : 75 ° 55' W  
Altitud : 1540 m

MES	TEMPERATURA °C					PRECIPITACION			
	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	17.7	28.3	22.3	30.5	16.5	76.5	31.0	1	171.8
Febrero	17.7	26.8	21.8	31.0	15.6	78.1	154.1	9	93.2
Marzo	17.6	26.6	21.2	29.0	16.0	80.2	277.7	21	95.3
Abril	17.5	25.0	21.1	27.8	15.5	80.5	234.1	19	66.6
Mayo	17.8	25.1	20.8	29.4	15.7	86.9	287.7	20	86.9
Junio	17.7	25.8	21.0	27.7	15.8	86.3	121.0	14	93.2
Julio	17.0	25.1	20.1	27.4	16.0	87.0	153.0	15	109.8
Agosto	17.0	25.5	20.5	28.0	15.8	84.4	77.6	15	114.2
Septiembre	16.8	24.9	19.9	27.8	15.6	85.8	263.8	21	89.2
Octubre	16.4	24.4	19.6	27.0	14.8	85.5	218.5	19	103.0
Noviembre	16.1	23.9	19.0	26.2	15.0	85.4	264.4	20	72.6
Diciembre	16.2	24.0	19.3	25.4	15.0	84.2	166.8	20	74.2
Promedio :	17.1	25.5	20.6			83.4			
Absoluta :				31.0	14.8				
Total :							2249.7	194	1170.0



Estación : MANUEL M. MALLARINO  
Año : 1998

Dpto. : VALLE  
Mpio. : TRUJILLO

Latitud : 4 ° 13'N  
Longitud : 76 ° 19'W  
Altitud : 1380 m

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.2	29.2	21.4	76.3	0.0	0.0	0.0	4.1
2	15.0	29.5	22.6	71.0	0.0	0.0	0.0	9.4
3	16.8	29.8	23.3	69.0	0.0	0.0	0.0	10.1
4	15.8	30.8	23.4	69.3	0.0	0.0	0.0	8.8
5	16.2	31.2	22.8	70.3	0.0	0.0	0.0	8.2
6	19.0	26.4	21.8	75.0	0.0	0.0	0.0	.4
7	17.8	26.5	21.0	81.3	4.0	0.0	4.0	2.9
8	16.5	29.6	22.3	69.0	0.0	0.0	0.0	9.7
9	16.0	29.0	22.4	69.3	0.0	0.0	0.0	6.9
10	16.6	28.8	23.2	69.3	0.0	0.0	0.0	8.9
11	16.7	30.5	23.0	69.3	0.0	4.0	4.0	8.8
12	19.0	29.0	23.2	73.3	0.0	0.0	0.0	1.7
13	18.0	30.0	22.2	75.7	5.0	2.0	7.0	5.7
14	17.9	28.0	21.6	77.3	0.0	0.0	0.0	2.5
15	17.3	28.6	22.4	70.0	0.0	0.0	0.0	7.9
16	17.2	29.0	23.0	64.3	0.0	0.0	0.0	4.7
17	17.9	29.9	23.7	66.3	0.0	0.0	0.0	6.4
18	17.1	30.1	23.0	68.7	0.0	0.0	0.0	7.1
19	17.2	29.6	22.3	72.3	0.0	0.0	0.0	4.8
20	18.4	29.2	22.7	75.7	0.0	0.0	0.0	3.2
21	17.6	31.0	24.6	67.3	0.0	0.0	0.0	9.2
22	18.4	30.0	24.2	71.7	0.0	0.0	0.0	7.8
23	18.0	31.0	23.6	70.0	0.0	0.0	0.0	8.2
24	19.2	30.8	23.6	65.3	0.0	0.0	0.0	7.9
25	16.2	30.4	23.2	65.0	0.0	0.0	0.0	8.8
26	16.4	30.5	22.8	67.3	0.0	0.0	0.0	8.5
27	16.2	29.5	22.2	72.0	0.0	0.0	0.0	5.4
28	17.8	29.0	24.2	68.0	0.0	0.0	0.0	3.9
29	16.6	31.5	24.2	65.3	0.0	0.0	0.0	9.1
30	17.6	30.4	23.4	66.7	0.0	0.0	0.0	6.0
31	17.5	32.0	23.6	70.7	0.0	0.0	0.0	9.6
Total :					9.0	6.0	15.0	206.6
Promedio :	17.3	29.7	22.9	70.4				

Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.4	31.6	24.3	70.0	0.0	0.0	0.0	9.6
2	18.6	31.5	24.5	69.3	0.0	0.0	0.0	6.7
3	19.2	29.0	23.0	72.7	0.0	0.0	0.0	1.9
4	17.1	31.0	23.6	66.7	0.0	0.0	0.0	7.8
5	19.1	27.5	22.9	75.3	0.0	0.0	0.0	0.0
6	18.8	29.4	23.4	66.7	0.0	0.0	0.0	3.2
7	19.8	28.5	23.3	72.0	0.0	8.1	8.1	4.4
8	19.2	23.3	20.9	89.7	3.0	19.0	22.0	0.0
9	17.0	26.0	20.7	80.0	0.0	14.8	14.8	4.2
10	18.0	25.0	20.4	87.0	3.0	0.0	3.0	.8
11	17.8	25.4	20.6	83.0	23.4	0.0	23.4	.1
12	17.2	27.8	22.0	76.0	0.0	0.0	0.0	1.6
13	17.4	30.0	22.7	74.0	1.2	71.7	72.9	7.5
14	17.0	26.3	21.4	83.3	0.0	2.2	2.2	3.3
15	17.4	29.0	23.0	72.3	0.0	0.0	0.0	9.2
16	17.0	31.5	23.5	68.7	0.0	0.0	0.0	10.4
17	16.2	31.8	24.5	61.3	0.0	0.0	0.0	10.3
18	17.6	30.0	23.3	71.7	0.0	0.0	0.0	5.7
19	17.6	28.0	22.8	70.7	0.0	0.0	0.0	3.0
20	17.2	29.4	21.7	76.3	0.0	0.0	0.0	4.9
21	17.6	28.8	22.8	69.0	0.0	0.0	0.0	5.2
22	18.4	29.3	23.2	71.3	0.0	.3	.3	6.6
23	19.0	27.6	22.3	70.0	0.0	0.0	0.0	1.4
24	17.2	28.2	22.8	70.7	0.0	0.0	0.0	5.0
25	17.6	30.0	22.8	75.0	0.0	0.0	0.0	8.6
26	18.6	29.2	22.9	70.0	0.0	0.0	0.0	7.2
27	18.2	30.0	23.2	69.0	0.0	0.0	0.0	6.4
28	18.0	30.4	23.8	69.3	0.0	1.6	1.6	7.2
29								
30								
31								
Total :					30.6	117.7	148.3	142.2
Promedio :	17.9	28.8	22.7	73.3				

Estación : MANUEL M. MALLARINO  
Año : 1998

Dpto. : VALLE  
Mpio. : TRUJILLO

Latitud : 4 ° 13'N  
Longitud : 76 ° 19'W  
Altitud : 1380 m

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	29.0	22.2	80.7	2.2	0.0	2.2	4.4
2	18.0	25.2	21.1	80.7	0.0	0.0	0.0	.5
3	16.6	29.6	23.0	70.3	0.0	0.0	0.0	7.1
4	18.2	28.8	22.4	71.7	0.0	0.0	0.0	5.0
5	17.3	27.8	22.2	73.3	0.0	0.0	0.0	.6
6	18.0	28.0	22.0	80.3	0.0	0.0	0.0	3.4
7	17.4	27.4	20.9	81.7	27.1	5.2	32.3	1.7
8	17.5	28.2	22.6	77.0	0.0	0.0	0.0	3.7
9	18.6	28.6	21.1	78.3	8.1	0.0	8.1	3.6
10	16.2	28.4	22.2	72.7	0.0	0.0	0.0	6.8
11	18.2	30.0	21.4	79.3	9.8	0.0	9.8	4.8
12	17.6	29.4	23.2	70.3	0.0	0.0	0.0	6.3
13	17.2	29.0	23.2	74.3	0.0	0.0	0.0	7.9
14	18.0	28.0	21.6	77.7	.4	0.0	.4	3.8
15	16.0	27.0	21.9	75.3	0.0	0.0	0.0	6.2
16	16.4	29.0	23.0	66.3	1.5	0.0	1.5	7.2
17	18.0	29.6	23.1	73.7	0.0	0.0	0.0	5.5
18	17.8	30.8	24.1	70.7	0.0	0.0	0.0	8.5
19	18.0	30.6	23.8	71.0	0.0	0.0	0.0	5.5
20	18.6	28.0	22.2	81.0	.9	.2	1.1	0.0
21	17.6	29.8	22.6	73.7	0.0	0.0	0.0	5.9
22	17.6	29.8	22.0	74.0	6.1	.1	6.2	5.5
23	17.8	22.0	20.2	91.3	0.0	0.0	0.0	0.0
24	17.2	29.0	21.8	78.0	0.0	0.0	0.0	4.2
25	18.0	31.0	23.0	72.7	0.0	0.0	0.0	8.0
26	18.1	28.4	21.9	80.3	18.6	5.0	23.6	.7
27	18.0	26.0	20.8	80.7	0.0	1.6	1.6	.4
28	18.2	25.0	21.4	84.0	7.3	0.0	7.3	1.8
29	18.4	27.4	21.6	79.7	.5	31.8	32.3	3.1
30	18.5	26.4	20.6	87.7	10.4	3.6	14.0	.8
31	18.0	28.8	21.9	79.7	0.0	0.0	0.0	4.6
Total :				77.0	92.9	47.5	140.4	127.5
Promedio :	17.7	28.3	22.1					

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.4	28.5	22.0	80.7	16.2	2.3	18.5	3.5
2	18.0	28.4	21.1	80.7	34.5	2.9	37.4	4.9
3	17.6	27.4	20.9	86.7	.1	13.3	13.4	0.0
4	18.6	27.2	22.1	78.7	0.0	0.0	0.0	3.6
5	17.4	29.2	22.3	78.0	13.4	.1	13.5	4.5
6	18.8	25.0	20.6	91.3	23.1	9.1	32.2	1.2
7	18.0	27.8	22.0	77.3	0.0	0.0	0.0	4.4
8	18.2	27.4	22.2	76.7	0.0	0.0	0.0	2.7
9	17.6	29.0	22.6	75.0	0.0	0.0	0.0	5.7
10	17.0	28.0	21.8	80.7	1.4	0.0	1.4	4.0
11	17.8	24.5	20.4	87.3	11.6	0.0	11.6	.1
12	18.2	26.2	21.5	77.7	0.0	0.0	0.0	2.0
13	17.4	28.0	20.9	81.7	11.5	.4	11.9	1.8
14	18.2	27.0	21.1	83.7	0.0	0.0	0.0	1.5
15	18.8	29.4	23.2	76.3	.4	0.0	.4	3.6
16	18.2	29.8	23.0	77.3	0.0	0.0	0.0	4.6
17	18.6	27.0	22.8	78.0	0.0	6.0	6.0	.1
18	18.6	28.0	22.0	81.0	1.6	0.0	1.6	3.1
19	18.9	26.7	21.4	87.7	6.1	6.0	12.1	0.0
20	18.2	26.3	21.4	84.0	0.0	0.0	0.0	2.8
21	18.4	26.5	21.5	86.0	0.0	0.0	0.0	2.2
22	18.0	28.5	22.2	80.7	0.0	0.0	0.0	5.4
23	18.6	26.8	21.8	82.3	0.0	0.0	0.0	.2
24	17.2	28.3	23.0	73.0	0.0	2.5	2.5	6.2
25	18.2	29.6	22.8	73.3	0.0	0.0	0.0	5.1
26	18.0	24.9	20.2	87.7	19.7	.4	20.1	2.8
27	17.8	26.8	21.8	79.7	.7	0.0	.7	5.6
28	17.6	28.0	21.8	81.3	0.0	0.0	0.0	2.7
29	18.2	28.0	22.1	77.0	0.0	0.0	0.0	4.2
30	18.9	27.2	22.2	78.3	0.0	0.0	0.0	1.8
31								
Total :				80.7	140.3	43.0	183.3	90.3
Promedio :	18.1	27.5	21.8					

Estación : MANUEL M. MALLARINO  
Año : 1998

Dpto. : VALLE  
Mpio. : TRUJILLO

Latitud : 4 ° 13'N  
Longitud : 76 ° 19'W  
Altitud : 1380 m

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)	
	Mín	Máx.	Med.		Día	Noche	Total		
1	18.0	25.1	20.3	87.0	.7	5.5	6.2	.3	
2	17.2	25.8	20.8	85.3	0.0	24.1	24.1	.8	
3	18.0	21.9	19.4	93.7	0.0	0.0	0.0	0.0	
4	17.0	25.0	20.0	85.0	0.0	0.0	0.0	.6	
5	17.1	25.7	20.8	81.3	6.0	0.0	6.0	1.9	
6	18.0	27.8	21.8	74.0	0.0	0.0	0.0	2.7	
7	17.1	27.2	21.5	76.0	0.0	4.7	4.7	3.6	
8	17.8	28.1	22.0	75.0	0.0	2.9	2.9	5.1	
9	18.0	26.0	22.0	77.0	1.6	0.0	1.6	1.8	
10	18.2	28.6	22.3	75.3	.5	0.0	.5	5.1	
11	18.0	27.1	21.7	78.3	12.0	0.0	12.0	4.3	
12	18.9	24.9	21.4	84.7	0.0	0.0	0.0	.7	
13	17.4	28.8	23.0	73.0	0.0	0.0	0.0	4.1	
14	18.0	28.9	22.8	74.7	0.0	0.0	0.0	5.7	
15	19.0	25.1	21.6	83.3	0.0	0.0	0.0	.2	
16	18.2	29.0	23.8	71.3	0.0	0.0	0.0	5.2	
17	19.6	26.2	22.5	80.3	0.0	.6	.6	.2	
18	19.2	28.2	23.6	72.3	0.0	0.0	0.0	4.1	
19	17.8	28.6	22.9	71.0	0.0	0.0	0.0	6.2	
20	18.0	31.4	24.4	67.0	0.0	3.6	3.6	8.2	
21	19.2	29.0	23.2	71.7	0.0	0.0	0.0	7.1	
22	17.2	30.0	24.1	68.7	0.0	0.0	0.0	7.8	
23	18.9	28.0	23.4	72.3	0.0	0.0	0.0	1.4	
24	19.0	28.6	22.8	72.7	0.0	0.0	0.0	2.3	
25	18.7	25.6	21.7	79.0	0.0	0.0	0.0	.2	
26	19.0	23.7	20.4	89.3	3.6	19.4	23.0	.3	
27	17.9	25.0	20.1	86.0	28.5	13.1	41.6	.8	
28	18.0	23.0	19.6	86.3	20.7	10.6	31.3	0.0	
29	17.1	24.0	20.4	81.3	.1	0.0	.1	.1	
30	16.9	25.8	20.8	80.3	0.0	0.0	0.0	.7	
31	18.2	27.6	21.0	80.3	3.6	6.3	9.9	3.6	
Total :		18.1	26.8	21.8	78.5		77.3	90.8	168.1
Promedio :									85.1

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.4	25.4	19.0	85.0	52.1	48.2	100.3	1.5
2	14.8	23.8	19.2	85.3	0.0	0.0	0.0	1.6
3	17.8	26.0	20.9	82.0	.2	0.0	.2	1.8
4	17.0	28.0	20.8	80.3	21.7	9.1	30.8	4.9
5	18.0	27.6	21.8	75.7	0.0	10.7	10.7	6.9
6	17.4	27.4	21.9	74.0	0.0	.8	.8	4.2
7	18.0	26.9	22.2	77.0	.2	0.0	.2	5.1
8	17.2	26.0	21.5	79.7	.1	10.6	10.7	6.7
9	18.0	27.4	21.8	74.0	0.0	0.0	0.0	7.0
10	18.1	27.8	21.4	75.3	1.4	0.0	1.4	2.4
11	16.6	27.2	21.8	73.3	0.0	.1	.1	4.4
12	17.2	29.0	22.5	70.7	0.0	0.0	0.0	5.9
13	18.0	29.4	23.1	69.7	0.0	0.0	0.0	6.5
14	17.8	28.2	22.9	68.3	0.0	15.0	15.0	2.0
15	17.9	23.0	18.5	92.3	9.6	.7	10.3	4.2
16	16.6	26.0	20.6	79.3	0.0	0.0	0.0	1.2
17	15.8	27.8	21.7	72.0	0.0	0.0	0.0	7.8
18	16.2	26.8	21.4	73.3	0.0	0.0	0.0	4.5
19	16.6	26.6	21.0	76.3	1.5	0.0	1.5	2.4
20	16.4	26.4	22.0	72.3	0.0	35.7	35.7	3.6
21	17.6	27.0	21.8	74.3	0.0	2.2	2.2	3.5
22	18.2	25.8	21.2	76.7	0.0	0.0	0.0	2.5
23	17.2	27.0	21.6	74.0	0.0	2.8	2.8	3.3
24	17.4	28.0	21.4	74.7	0.0	0.0	0.0	7.1
25	17.2	28.4	21.8	75.0	0.0	0.0	0.0	7.6
26	18.4	28.6	22.9	75.3	0.0	1.7	1.7	4.5
27	18.4	25.4	20.4	85.0	5.9	.7	6.6	2.8
28	17.4	25.6	21.6	75.7	.3	32.1	32.4	1.1
29	17.0	26.2	21.1	73.7	0.0	0.0	0.0	.2
30	16.8	29.8	22.8	63.0	0.0	0.0	0.0	10.2
31								
Total :					93.0	170.4	263.4	127.4
Promedio :								

Estación : MANUEL M. MALLARINO  
Año : 1998

Dpto. : VALLE  
Mpio. : TRUJILLO

Latitud : 4 ° 13'N  
Longitud : 76 ° 19'W  
Altitud : 1380 m

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.2	29.0	22.0	68.7	0.0	0.0	0.0	10.3
2	16.8	27.6	21.8	76.7	.5	0.0	.5	2.6
3	17.8	28.4	21.5	75.3	16.0	17.9	33.9	2.5
4	18.0	25.5	20.8	79.7	.6	5.6	6.2	3.2
5	17.4	23.0	20.2	85.7	2.8	0.0	2.8	.6
6	17.8	26.0	21.2	74.7	.2	.1	.3	2.0
7	18.0	26.2	20.5	76.0	5.1	.5	5.6	2.6
8	16.0	26.0	19.9	76.7	14.5	.4	14.9	3.4
9	17.8	24.0	19.7	84.3	0.0	0.0	0.0	1.3
10	16.6	27.3	21.4	73.0	2.2	0.0	2.2	4.8
11	17.0	27.0	21.2	74.3	0.0	0.0	0.0	4.8
12	16.6	28.8	22.6	67.3	0.0	0.0	0.0	7.5
13	16.2	28.2	22.1	69.7	0.0	0.0	0.0	7.2
14	16.0	27.5	21.8	71.3	0.0	0.0	0.0	5.5
15	16.8	26.8	21.0	72.0	.3	26.9	27.2	4.1
16	16.6	25.6	19.7	82.3	.9	.6	1.5	4.5
17	17.2	26.0	20.9	74.3	0.0	21.8	21.8	3.3
18	17.0	25.8	20.3	77.7	1.0	19.8	20.8	2.7
19	17.2	27.0	20.4	75.0	0.0	.1	.1	4.0
20	17.6	27.8	21.2	70.7	0.0	0.0	0.0	7.2
21	16.0	27.5	21.4	70.0	0.0	0.0	0.0	7.8
22	17.4	26.2	20.7	76.3	.6	0.0	.6	2.2
23	16.0	26.8	20.6	75.7	0.0	0.0	0.0	5.9
24	17.0	27.5	21.2	75.0	.1	0.0	.1	3.5
25	16.8	27.6	22.2	64.3	0.0	0.0	0.0	6.3
26	16.0	28.6	22.6	66.0	0.0	0.0	0.0	5.7
27	18.0	28.1	21.6	69.3	0.0	1.6	1.6	4.2
28	16.8	28.0	22.5	68.0	0.0	12.8	12.8	7.1
29	16.9	27.2	22.6	69.0	0.0	0.0	0.0	8.3
30	18.4	27.0	21.2	74.0	0.0	0.0	0.0	3.0
31	16.0	27.8	21.4	73.3	0.0	0.0	0.0	4.9
Total :					44.8	108.1	152.9	143.0
Promedio :	16.9	27.0	21.2	73.8				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.8	27.8	22.4	68.0	0.0	0.0	0.0	7.0
2	17.0	28.8	22.2	74.7	0.0	0.0	0.0	8.3
3	16.9	29.0	22.6	67.7	0.0	0.0	0.0	4.5
4	16.8	27.5	22.4	72.0	0.0	0.0	0.0	2.6
5	17.2	26.0	21.2	73.3	0.0	11.4	11.4	2.3
6	17.6	24.2	19.7	81.3	2.8	.9	3.7	.7
7	16.8	24.8	19.7	82.3	3.3	.4	3.7	2.3
8	17.0	24.3	21.1	76.7	0.0	0.0	0.0	1.0
9	15.2	28.6	22.2	64.0	0.0	0.0	0.0	10.1
10	16.0	28.5	20.0	79.3	.5	8.8	9.3	3.0
11	17.4	28.0	22.1	73.7	0.0	0.0	0.0	5.7
12	17.6	27.6	21.4	78.3	.2	0.0	.2	4.7
13	15.8	26.5	20.2	77.0	0.0	8.4	8.4	2.4
14	17.2	27.8	20.4	77.0	29.0	2.0	31.0	4.5
15	17.0	24.8	19.0	84.7	1.9	0.0	1.9	1.3
16	15.6	27.8	21.2	72.7	0.0	0.0	0.0	5.4
17	17.0	27.0	21.2	73.3	0.0	0.0	0.0	2.1
18	16.6	28.7	21.5	73.0	0.0	.3	.3	5.5
19	16.5	26.0	21.0	72.7	0.0	0.0	0.0	2.9
20	17.2	27.2	21.0	74.0	0.0	0.0	0.0	4.9
21	16.6	28.0	21.8	74.0	0.0	0.0	0.0	3.7
22	16.8	28.6	21.9	70.0	0.0	0.0	0.0	6.6
23	15.8	30.0	22.7	70.0	0.0	0.0	0.0	7.1
24	16.0	29.6	22.8	67.0	0.0	0.0	0.0	8.7
25	18.0	26.1	21.0	77.0	28.7	.1	28.8	1.6
26	17.9	25.0	19.9	82.7	.1	0.0	.1	2.4
27	17.0	27.3	21.0	72.3	.2	0.0	.2	3.2
28	15.8	29.4	21.6	72.7	3.3	0.0	3.3	8.4
29	16.4	29.0	23.2	64.7	0.0	5.5	5.5	7.9
30	18.0	27.8	21.6	77.3	7.4	.2	7.6	3.2
31	17.2	27.6	22.6	64.7	0.0	0.0	0.0	5.4
Total :					77.4	38.0	115.4	139.4
Promedio :	16.8	27.4	21.4	73.8				

Estación : MANUEL M. MALLARINO  
Año : 1998

Dpto. : VALLE  
Mpio. : TRUJILLO

Latitud : 4 ° 13'N  
Longitud : 76 ° 19'W  
Altitud : 1380 m

Septiembre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	28.2	22.0	71.7	0.0	0.0	0.0	5.6
2	16.8	26.8	21.2	75.7	.4	3.1	3.5	2.1
3	17.8	22.1	18.2	92.7	.2	0.0	.2	1.1
4	16.8	26.8	20.4	74.0	.1	.5	.6	4.8
5	16.2	27.0	21.2	74.7	0.0	0.0	0.0	4.7
6	16.8	29.2	22.0	73.0	.7	0.0	.7	3.9
7	17.0	26.9	21.0	72.3	0.0	3.8	3.8	2.8
8	17.8	25.0	19.2	86.3	34.4	0.0	34.4	1.1
9	16.0	26.2	20.7	75.3	.1	0.0	.1	4.0
10	16.8	25.8	20.5	77.3	0.0	0.0	0.0	1.3
11	18.9	26.0	20.0	79.7	0.0	2.5	2.5	1.4
12	17.0	25.0	20.2	78.0	1.6	12.0	13.6	1.2
13	16.9	26.2	20.7	77.7	0.0	18.4	18.4	7.5
14	17.8	27.0	21.4	71.7	0.0	2.5	2.5	2.5
15	17.0	26.2	20.0	72.7	0.0	0.0	0.0	1.0
16	17.1	28.8	22.5	68.7	0.0	0.0	0.0	5.4
17	16.0	27.2	21.8	74.3	0.0	0.0	0.0	2.8
18	15.2	28.2	22.0	71.3	0.0	1.0	1.0	3.9
19	18.1	24.0	20.2	83.0	0.0	0.0	0.0	1.0
20	16.2	27.9	22.1	76.3	0.0	0.0	0.0	4.4
21	17.1	26.2	21.1	74.3	.1	.3	.4	2.1
22	17.0	27.1	19.9	78.7	8.5	58.1	66.6	2.8
23	16.5	23.0	19.2	83.3	2.6	0.0	2.6	0.0
24	16.1	26.9	21.5	71.0	0.0	0.0	0.0	5.5
25	16.0	26.8	21.4	69.3	0.0	10.4	10.4	4.7
26	16.7	25.9	19.2	82.3	42.0	18.0	60.0	1.3
27	16.8	24.9	20.4	77.0	0.0	0.0	0.0	3.9
28	16.0	27.1	21.0	76.3	9.0	0.0	9.0	3.0
29	15.1	28.2	22.2	69.3	0.0	0.0	0.0	8.4
30	17.0	29.1	23.0	67.0	0.0	0.0	0.0	8.1
31								
Total :					99.7	130.6	230.3	
Promedio :	16.7	26.5	20.9	75.8				102.3
Octubre	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.5	27.2	22.3	70.7	0.0	0.0	0.0	2.9
2	18.0	27.6	21.5	75.7	0.0	0.0	0.0	1.7
3	17.1	27.1	21.4	73.3	0.0	0.0	0.0	2.6
4	15.8	28.1	21.9	67.3	0.0	0.0	0.0	6.5
5	16.8	28.0	21.4	76.7	10.0	30.4	40.4	4.0
6	16.9	26.8	20.0	80.7	3.0	0.0	3.0	3.5
7	16.8	24.7	20.4	83.3	0.0	0.0	0.0	.7
8	16.7	28.0	20.5	76.7	4.0	0.0	4.0	4.8
9	16.9	26.0	21.2	82.0	0.0	0.0	0.0	2.5
10	16.1	29.0	22.4	73.7	0.0	0.0	0.0	9.4
11	17.8	28.1	22.6	69.3	0.0	0.0	0.0	5.5
12	17.0	27.8	22.0	65.7	0.0	0.0	0.0	4.1
13	16.0	27.2	20.6	72.3	0.0	0.0	0.0	4.5
14	14.9	28.0	21.0	69.7	0.0	0.0	0.0	6.1
15	16.0	28.0	22.1	67.0	0.0	20.4	20.4	7.4
16	16.1	25.2	20.8	73.0	0.0	0.0	0.0	3.6
17	16.0	26.1	20.6	78.0	11.0	0.0	11.0	4.7
18	15.0	26.0	20.2	76.0	0.0	1.0	1.0	5.5
19	17.8	22.9	19.4	85.3	0.0	15.2	15.2	.2
20	18.0	25.4	20.9	76.7	0.0	0.0	0.0	2.4
21	16.8	26.4	20.5	77.0	.4	0.0	.4	1.9
22	16.9	24.2	19.2	83.7	1.0	.2	1.2	2.1
23	15.8	25.0	20.2	80.0	1.1	69.1	70.2	1.9
24	16.2	24.5	19.2	80.0	.9	12.4	13.3	1.4
25	16.0	24.1	19.4	82.0	.2	14.4	14.6	1.5
26	16.9	26.2	20.2	80.0	0.0	0.0	0.0	5.8
27	16.0	24.3	20.1	76.7	0.0	0.0	0.0	1.1
28	16.1	28.1	21.4	72.3	0.0	.4	.4	5.6
29	18.0	27.1	20.8	82.7	8.9	0.0	8.9	3.2
30	17.1	26.0	19.8	82.3	24.9	.1	25.0	.8
31	16.0	27.0	21.0	78.0	1.0	2.8	3.8	4.5
Total :					66.4	166.4	232.8	
Promedio :	16.6	26.5	20.8	76.4				112.4

Estación : MANUEL M. MALLARINO  
Año : 1998

Dpto. : VALLE  
Mpio. : TRUJILLO

Latitud : 4 ° 13'N  
Longitud : 76 ° 19'W  
Altitud : 1380 m

Noviembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	26.2	21.0	77.3	.1	0.0	.1	.5
2	16.5	27.0	20.8	76.0	0.0	0.0	0.0	3.5
3	17.0	27.4	20.4	79.3	1.9	0.0	1.9	5.7
4	16.0	26.0	20.0	81.7	7.2	0.0	7.2	3.0
5	16.8	24.2	19.5	93.0	16.6	0.0	16.6	1.0
6	16.3	27.2	20.0	79.0	18.2	2.2	20.4	5.8
7	16.9	26.1	20.2	77.3	1.9	0.0	1.9	2.3
8	16.0	25.3	19.4	86.7	6.0	0.0	6.0	1.6
9	16.2	26.1	20.0	77.7	2.8	0.0	2.8	4.8
10	17.0	25.4	19.6	82.3	0.0	0.0	0.0	2.5
11	16.9	27.0	21.1	74.0	0.0	0.0	0.0	5.6
12	16.8	24.8	20.4	75.3	0.0	0.0	0.0	.5
13	18.0	25.0	19.8	79.3	0.0	.5	.5	2.8
14	17.9	25.2	20.6	78.7	0.0	0.0	0.0	2.6
15	17.2	26.8	21.5	74.3	5.0	7.5	12.5	2.5
16	18.0	26.1	21.2	78.3	0.0	0.0	0.0	3.1
17	17.8	23.2	19.5	91.0	0.0	0.0	0.0	0.0
18	17.6	28.1	21.2	76.3	0.0	0.0	0.0	4.6
19	17.0	26.6	20.6	83.3	2.9	0.0	2.9	1.1
20	17.2	24.0	19.2	87.0	.1	0.0	.1	0.0
21	17.0	25.0	20.2	83.0	20.1	12.9	33.0	.9
22	17.1	22.8	18.5	87.0	19.0	9.0	28.0	.2
23	15.2	27.1	19.8	77.3	0.0	2.3	2.3	7.8
24	17.1	22.2	19.2	88.0	9.5	9.3	18.8	0.0
25	16.0	24.8	19.5	77.0	.2	0.0	.2	2.3
26	15.9	24.2	19.9	80.7	0.0	0.0	0.0	.3
27	16.9	22.9	19.6	90.3	21.7	4.4	26.1	.6
28	17.0	21.1	18.4	91.0	8.4	0.0	8.4	.2
29	14.9	25.0	20.3	77.7	0.0	0.0	0.0	4.7
30	16.0	26.2	19.1	81.0	5.1	0.0	5.1	4.6
31								
Total :	16.8	25.3	20.0	81.4	146.7	48.1	194.8	75.1
Promedio :								

Diciembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.3	27.2	20.4	73.0	0.0	8.9	8.9	3.8
2	17.0	24.0	19.0	86.0	8.0	0.0	8.0	1.1
3	15.1	26.0	19.8	79.0	0.0	0.0	0.0	4.0
4	16.0	26.3	20.2	81.7	0.0	0.0	0.0	3.6
5	16.6	27.1	21.0	77.3	0.0	.3	.3	1.8
6	17.0	24.8	19.2	84.3	10.9	7.1	18.0	2.4
7	16.9	25.1	20.2	78.0	3.3	0.0	3.3	2.1
8	16.1	26.5	20.9	74.3	0.0	.6	.6	6.3
9	16.8	27.0	20.4	74.0	0.0	0.0	0.0	5.8
10	16.4	25.2	19.9	79.3	.4	.4	.8	2.4
11	18.0	25.5	20.8	78.0	.7	0.0	.7	2.0
12	16.9	25.1	19.1	92.7	9.0	13.0	22.0	2.4
13	17.8	23.8	20.0	84.7	.1	0.0	.1	.7
14	16.0	27.0	20.8	73.3	0.0	0.0	0.0	4.9
15	17.0	26.4	21.3	75.0	0.0	0.0	0.0	2.1
16	17.1	21.0	19.0	87.0	0.0	0.0	0.0	0.0
17	16.0	25.0	20.1	80.7	0.0	4.8	4.8	.8
18	16.2	25.1	20.0	79.0	.1	1.9	2.0	3.2
19	17.8	27.1	21.8	71.7	0.0	.5	.5	1.5
20	17.0	26.8	20.6	76.0	1.1	0.0	1.1	3.6
21	15.8	26.9	21.0	77.7	5.7	0.0	5.7	5.3
22	16.2	26.8	20.0	76.7	.9	4.1	5.0	3.9
23	16.6	26.4	20.1	75.7	0.0	1.4	1.4	3.5
24	16.2	26.2	20.6	71.7	0.0	0.0	0.0	4.5
25	16.9	24.9	20.5	74.3	0.0	3.7	3.7	.2
26	16.7	26.6	20.6	76.3	.1	2.7	2.8	2.6
27	16.8	26.0	20.6	75.0	0.0	0.0	0.0	3.9
28	17.0	25.0	20.4	77.3	0.0	0.0	0.0	3.0
29	16.9	24.8	20.2	80.3	.5	0.0	.5	3.5
30	16.8	26.9	21.5	70.7	0.0	1.1	1.1	6.2
31	17.1	28.2	21.6	71.7	0.0	0.0	0.0	5.2
Total :	16.7	25.8	20.4	77.8	40.8	50.5	91.3	96.3
Promedio :								

Estación : MANUEL M. MALLARINO  
Año : 1998

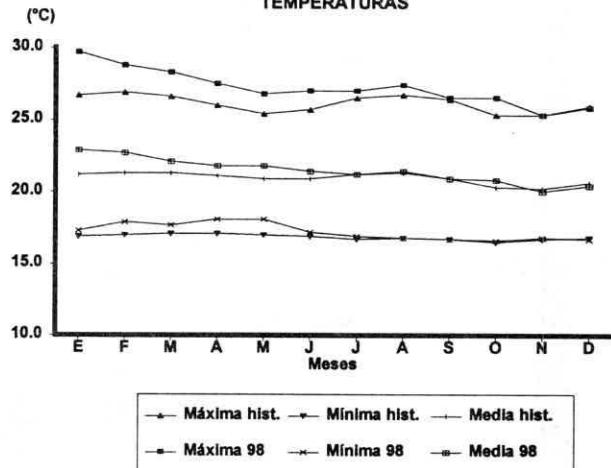
Dpto. : VALLE  
Mpio. : TRUJILLO

Latitud : 4 ° 13'N  
Longitud : 76 ° 19'W  
Altitud : 1380 m

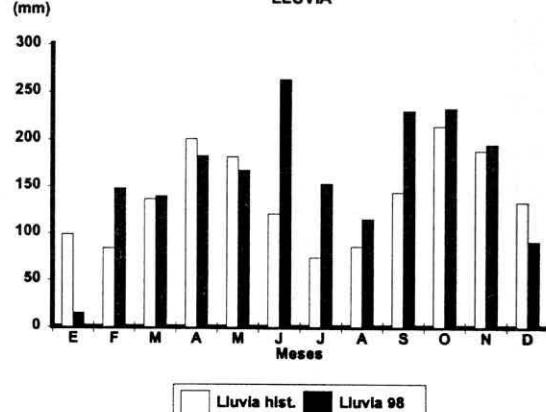
#### TEMPERATURA °C

MES	Mín. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Días Lluvia	Brillo Sol. (h)
Enero	17.3	29.7	22.9	32.0	15.0	70.4	15.0	3	206.6
Febrero	17.9	28.8	22.7	31.8	16.2	73.2	148.3	9	142.2
Marzo	17.7	28.3	22.1	31.0	16.0	77.0	140.4	13	127.5
Abril	18.1	27.5	21.8	29.8	17.0	80.7	183.3	15	90.3
Mayo	18.1	26.8	21.8	31.4	16.9	78.5	168.1	15	85.1
Junio	17.2	27.0	21.4	29.8	14.8	76.1	263.4	18	127.4
Julio	16.9	27.0	21.2	29.0	15.2	73.8	152.9	17	143.0
Agosto	16.8	27.4	21.4	30.0	15.2	73.8	115.4	15	139.4
Septiembre	16.7	26.5	20.9	29.2	15.1	75.8	230.3	18	102.3
Octubre	16.6	26.5	20.8	29.0	14.9	76.4	232.8	16	112.4
Noviembre	16.8	25.3	20.0	28.1	14.9	81.4	194.8	20	75.1
Diciembre	16.7	25.8	20.4	28.2	15.1	77.8	91.3	21	96.3
Promedio :	17.2	27.2	21.4			76.2			
Absoluta :				32.0	14.8				
Total :							1936.0	180	1447.6

#### TEMPERATURAS



#### LLUVIA



□ Lluvia hist. ■ Lluvia 98

Estación : JULIO FERNANDEZ  
Año : 1998

Dpto. : VALLE  
Mpio. : RESTREPO

Latitud : 3 ° 48'N  
Longitud : 76 ° 32'W  
Altitud : 1360 m

Enero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	27.5	20.9	78.0	21.7	0.0	21.7	4.0
2	16.9	28.0	21.2	77.0	0.0	0.0	0.0	8.3
3	17.0	30.5	21.7	73.7	0.0	0.0	0.0	9.4
4	17.5	30.0	22.4	76.3	0.0	0.0	0.0	8.2
5	17.0	29.5	22.2	76.0	0.0	0.0	0.0	8.2
6	18.5	25.0	21.0	79.0	0.0	0.0	0.0	.3
7	17.0	25.1	20.2	81.7	0.0	0.0	0.0	1.0
8	16.0	28.0	20.9	76.0	0.0	0.0	0.0	7.9
9	16.5	27.0	20.6	77.7	0.0	0.0	0.0	6.8
10	17.5	28.5	21.5	75.7	0.0	0.0	0.0	7.8
11	16.3	30.0	22.0	75.7	0.0	0.0	0.0	6.8
12	19.5	25.8	21.7	75.7	0.0	0.0	0.0	.6
13	16.5	26.5	20.9	75.3	0.0	0.0	0.0	6.8
14	16.3	27.0	21.2	73.0	0.0	0.0	0.0	4.3
15	15.6	28.5	21.5	76.0	0.0	0.0	0.0	8.3
16	18.4	27.0	21.0	79.3	0.0	0.0	0.0	7.8
17	15.5	29.0	21.2	77.0	0.0	0.0	0.0	6.9
18	18.5	27.5	21.8	75.7	0.0	0.0	0.0	8.4
19	17.9	28.0	21.6	78.3	0.0	0.0	0.0	6.7
20	19.6	29.2	22.5	74.0	0.0	0.0	0.0	6.5
21	17.0	30.1	22.8	72.3	0.0	0.0	0.0	7.6
22	20.0	29.2	22.3	75.7	0.0	0.0	0.0	6.6
23	18.0	28.0	22.5	77.7	0.0	0.0	0.0	8.1
24	18.7	30.0	23.0	69.0	0.0	0.0	0.0	9.1
25	17.5	30.1	22.2	73.7	0.0	0.0	0.0	7.2
26	18.2	30.5	23.0	71.7	0.0	0.0	0.0	7.7
27	16.0	28.0	21.5	76.3	0.0	0.0	0.0	3.8
28	19.8	28.2	22.6	71.0	0.0	0.0	0.0	6.3
29	16.7	30.5	22.4	73.3	0.0	0.0	0.0	7.4
30	19.5	27.0	22.0	75.0	0.0	0.0	0.0	1.3
31	16.0	31.0	22.0	74.0	0.0	0.0	0.0	7.8
Total :					21.7	0.0	21.7	
Promedio :	17.5	28.4	21.8	75.5				197.9
Febrero	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	20.0	30.5	23.3	73.7	0.0	0.0	0.0	7.3
2	20.5	31.1	23.8	70.0	0.0	1.5	1.5	4.4
3	19.5	28.5	22.1	78.0	0.0	0.0	0.0	3.7
4	17.5	29.0	22.4	74.7	0.0	2.2	2.2	7.8
5	19.2	24.8	21.1	83.7	0.0	0.0	0.0	1.2
6	19.0	28.5	22.0	74.7	0.0	13.7	13.7	7.8
7	18.8	26.5	21.2	80.3	.2	.6	.8	3.9
8	18.6	24.1	20.0	84.7	9.3	5.6	14.9	0.0
9	18.0	26.7	20.7	81.3	16.0	0.0	16.0	3.1
10	19.0	24.8	20.4	82.7	7.5	0.0	7.5	.2
11	18.5	24.5	21.0	73.7	0.0	0.0	0.0	0.0
12	16.7	26.5	20.8	80.3	0.0	0.0	0.0	1.8
13	15.5	28.0	21.2	80.3	0.0	12.1	12.1	6.5
14	17.5	27.8	21.2	78.3	8.5	2.5	11.0	.3
15	17.0	29.5	22.2	75.7	0.0	0.0	0.0	6.1
16	19.5	30.9	24.1	69.7	0.0	0.0	0.0	9.2
17	17.2	30.6	23.2	71.7	0.0	0.0	0.0	9.8
18	19.0	27.5	22.0	78.7	0.0	0.0	0.0	4.4
19	19.4	26.5	21.6	76.0	0.0	0.0	0.0	2.8
20	18.5	26.2	21.5	76.7	0.0	0.0	0.0	4.1
21	16.0	27.5	21.2	76.7	0.0	0.0	0.0	8.9
22	19.0	28.5	22.6	75.0	0.0	0.0	0.0	6.2
23	19.8	28.8	22.6	73.7	0.0	0.0	0.0	2.5
24	19.0	27.5	22.2	75.7	0.0	0.0	0.0	5.3
25	19.5	29.0	22.3	77.0	0.0	0.0	0.0	4.9
26	17.5	27.0	20.8	83.7	0.0	0.0	0.0	6.9
27	16.1	27.4	21.4	75.0	0.0	0.0	0.0	4.9
28	17.6	29.0	22.7	72.3	0.0	4.9	4.9	6.5
29								
30								
31								
Total :					41.5	43.1	84.6	130.5
Promedio :	18.3	27.8	21.8	76.9				

Estación : JULIO FERNANDEZ  
Año : 1998

Dpto. : VALLE  
Mpio. : RESTREPO

Latitud : 3 ° 48'N  
Longitud : 76 ° 32'W  
Altitud : 1360 m

Marzo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.2	26.5	21.7	79.0	1.0	0.0	1.0	4.5
2	16.5	27.5	21.2	80.3	19.1	0.0	19.1	.7
3	17.5	29.8	22.9	71.3	0.0	0.0	0.0	7.8
4	19.0	28.2	22.7	73.7	0.0	0.0	0.0	3.5
5	17.9	28.7	21.7	77.7	2.5	0.0	2.5	1.9
6	16.3	29.0	22.2	73.3	2.6	0.0	2.6	2.3
7	16.8	27.0	21.4	77.3	0.0	0.0	0.0	1.6
8	16.5	29.3	22.2	76.0	.1	0.0	.1	2.2
9	17.6	28.2	21.2	80.0	1.8	0.0	1.8	5.5
10	17.5	27.8	21.3	75.3	0.0	0.0	0.0	5.1
11	18.9	28.7	22.0	77.0	0.0	0.0	0.0	5.6
12	19.8	28.9	22.0	75.3	0.0	0.0	0.0	2.7
13	18.1	29.5	22.4	75.0	0.0	0.0	0.0	7.5
14	19.0	27.5	21.5	83.7	.8	0.0	.8	4.9
15	17.9	27.7	22.0	68.3	0.0	0.0	0.0	8.5
16	17.5	28.0	22.0	73.3	0.0	0.0	0.0	4.8
17	16.8	30.3	22.4	71.7	0.0	0.0	0.0	5.7
18	17.2	30.8	22.8	71.3	0.0	0.0	0.0	6.7
19	17.0	30.6	22.8	73.3	0.0	0.0	0.0	6.0
20	20.5	25.5	21.8	76.7	0.0	0.0	0.0	.2
21	17.3	27.8	22.6	73.0	0.0	0.0	0.0	5.6
22	17.6	26.5	22.3	80.7	.2	0.0	.2	3.0
23	17.0	22.5	19.2	85.3	6.2	1.8	8.0	.3
24	15.5	28.5	21.5	75.7	0.0	0.0	0.0	5.0
25	18.5	27.5	22.2	77.0	0.0	0.0	0.0	5.3
26	19.0	26.0	22.3	78.0	1.5	27.9	29.4	1.9
27	17.5	26.5	21.4	79.7	1.8	0.0	1.8	2.9
28	18.5	27.5	20.9	81.7	19.2	0.0	19.2	1.7
29	17.5	27.0	21.6	78.3	0.0	0.0	0.0	2.9
30	18.5	27.5	21.8	78.7	0.0	1.3	1.3	3.0
31	19.5	27.0	21.5	79.0	4.5	0.0	4.5	2.4
Total :					61.3	31.0	92.3	
Promedio :	17.9	27.9	21.9	76.7				121.7

Abril	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	27.2	21.0	81.0	31.8	.4	32.2	1.2
2	18.5	26.5	21.4	82.3	0.0	7.9	7.9	8.5
3	18.0	27.0	21.8	78.3	9.1	33.2	42.3	2.1
4	17.5	26.6	21.9	78.7	.6	0.0	.6	4.2
5	18.5	28.0	22.0	78.3	0.0	0.0	0.0	6.6
6	18.0	25.5	20.8	86.7	1.8	.8	2.6	1.4
7	18.5	27.0	21.6	78.7	0.0	0.0	0.0	5.8
8	19.5	26.5	22.0	77.7	.4	1.1	1.5	5.9
9	18.0	26.8	21.6	77.3	6.7	0.0	6.7	2.4
10	17.5	27.0	21.0	88.7	.6	3.0	3.6	4.7
11	18.0	25.5	20.3	84.3	.7	.1	.8	0.0
12	18.4	27.0	21.8	80.7	0.0	0.0	0.0	6.5
13	18.5	26.0	21.5	81.0	3.7	0.0	3.7	1.2
14	19.0	28.0	22.0	77.7	0.0	0.0	0.0	3.1
15	18.0	28.5	22.5	76.0	0.0	0.0	0.0	6.4
16	17.0	27.5	22.0	83.3	.1	0.0	.1	4.7
17	19.5	26.5	22.0	78.3	8.5	0.0	8.5	.9
18	19.0	27.5	21.5	80.7	.9	6.4	7.3	3.4
19	19.5	25.5	20.4	88.7	2.4	3.6	6.0	1.2
20	18.0	28.7	21.7	78.7	14.2	0.0	14.2	3.8
21	19.0	26.6	21.5	83.3	0.0	6.4	6.4	2.5
22	18.5	29.0	22.2	78.3	30.3	0.0	30.3	3.4
23	18.9	25.6	21.8	79.7	0.0	0.0	0.0	0.0
24	17.5	28.0	21.4	79.7	8.3	12.3	20.6	.7
25	18.8	26.0	21.1	83.7	1.3	0.0	1.3	2.9
26	19.7	26.2	21.8	79.3	0.0	0.0	0.0	0.0
27	18.2	27.0	21.5	80.7	13.5	0.0	13.5	5.5
28	19.0	26.5	21.7	80.0	.6	.6	1.2	6.6
29	19.5	28.0	22.2	77.0	13.0	0.0	13.0	4.6
30	19.0	23.5	20.6	86.3	2.6	.3	2.9	4.2
Total :					151.1	76.1	227.2	
Promedio :	18.5	26.8	21.6	80.8				104.4

Estación : JULIO FERNANDEZ

Año : 1998

Dpto. : VALLE  
Mpio. : RESTREPOLatitud : 3 ° 48' N  
Longitud : 76 ° 32' W  
Altitud : 1360 m

Mayo	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	19.0	25.5	21.3	75.3	0.0	7.2	7.2	1.7
2	18.0	28.0	21.4	75.0	0.0	4.0	4.0	3.2
3	17.6	24.5	20.2	85.0	3.0	8.0	11.0	.4
4	17.5	25.5	20.3	78.3	4.3	.1	4.4	1.1
5	17.5	28.0	20.8	74.7	5.7	.1	5.8	2.3
6	17.0	26.2	21.2	74.7	0.0	.5	.5	.3
7	16.6	26.6	20.7	81.0	0.0	4.8	4.8	4.4
8	17.5	27.4	21.8	77.7	0.0	1.8	1.8	5.7
9	19.0	27.2	22.0	79.3	2.1	0.0	2.1	3.7
10	18.8	27.6	21.5	81.3	3.8	0.0	3.8	2.7
11	18.7	25.4	21.0	80.7	0.0	0.0	0.0	1.9
12	18.4	26.5	21.5	82.0	0.0	0.0	0.0	3.0
13	17.2	28.5	22.0	76.3	0.0	0.0	0.0	7.3
14	16.6	27.5	22.2	78.0	0.0	4.0	4.0	4.5
15	18.8	26.8	21.5	84.0	0.0	0.0	0.0	1.8
16	17.6	29.0	22.7	76.3	1.9	.3	2.2	7.2
17	18.0	26.0	21.0	82.3	0.0	4.2	4.2	.1
18	19.0	28.8	22.8	72.7	0.0	0.0	0.0	4.0
19	17.6	29.5	22.2	75.0	0.0	0.0	0.0	5.0
20	17.8	30.0	22.4	77.7	0.0	.2	.2	7.7
21	17.6	27.3	22.0	76.7	0.0	0.0	0.0	9.8
22	16.6	26.8	21.2	81.0	0.0	0.0	0.0	7.2
23	18.0	25.5	20.8	81.3	0.0	1.4	1.4	1.2
24	17.4	26.5	21.4	81.3	0.0	0.0	0.0	.9
25	19.2	24.7	21.2	80.0	0.0	3.6	3.6	.3
26	18.8	24.0	20.8	80.0	16.6	6.4	23.0	0.0
27	17.2	24.5	19.9	82.3	2.4	23.2	25.6	1.7
28	17.0	23.0	19.0	84.3	5.3	6.0	11.3	.3
29	16.4	24.2	20.4	80.7	.2	0.0	.2	.1
30	17.6	28.5	21.8	75.7	.5	0.0	.5	3.4
31	18.0	28.0	21.3	80.0	2.0	5.0	7.0	2.0
Total :					47.8	80.8	128.6	94.9
Promedio :	17.8	26.7	21.3	79.1				

Junio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.2	24.8	19.6	83.7	.3	10.8	11.1	.7
2	16.6	25.0	20.3	79.0	3.0	0.0	3.0	3.7
3	17.0	26.8	20.6	81.7	2.0	0.0	2.0	2.3
4	17.4	26.5	20.6	80.3	0.0	0.0	0.0	5.5
5	16.6	27.0	21.3	77.0	13.8	0.0	13.8	4.6
6	16.5	26.5	20.5	80.3	0.0	0.0	0.0	7.2
7	18.2	27.0	20.9	79.0	0.0	0.0	0.0	3.3
8	18.0	25.4	20.9	80.0	.1	5.6	5.7	2.2
9	17.8	28.6	22.0	78.3	0.0	3.6	3.6	7.8
10	18.0	27.8	21.0	80.7	11.0	0.0	11.0	3.9
11	17.2	26.0	20.6	79.7	0.0	0.0	0.0	4.2
12	18.0	28.5	21.9	77.0	0.0	0.0	0.0	5.8
13	18.2	28.0	21.7	77.3	2.2	0.0	2.2	0.0
14	19.0	27.5	21.6	75.3	0.0	6.3	6.3	4.0
15	18.4	22.2	18.8	88.7	7.5	0.0	7.5	0.0
16	15.8	26.0	20.1	78.0	11.5	0.0	11.5	3.3
17	15.6	27.0	20.5	76.3	0.0	0.0	0.0	8.1
18	15.4	25.9	20.3	74.0	0.0	0.0	0.0	5.8
19	16.2	26.0	20.6	77.7	0.0	0.0	0.0	4.1
20	17.8	25.0	20.2	82.7	0.0	0.0	0.0	3.4
21	18.2	25.6	20.3	80.0	0.0	.3	.3	5.7
22	17.0	24.2	19.5	81.0	0.0	0.0	0.0	2.3
23	16.8	26.8	20.2	80.0	4.2	0.0	4.2	4.6
24	17.6	26.0	20.6	78.3	0.0	0.0	0.0	5.4
25	18.6	25.2	21.0	82.3	0.0	1.2	1.2	5.7
26	18.2	26.0	20.6	84.0	0.0	0.0	0.0	5.4
27	18.8	25.2	20.4	81.7	.9	.5	1.4	1.4
28	18.0	25.0	20.9	78.7	0.0	.1	.1	3.8
29	16.9	26.9	20.8	74.7	0.0	0.0	0.0	1.4
30	13.8	29.9	21.4	69.7	0.0	0.0	0.0	9.8
Total :					56.5	28.4	84.9	125.4
Promedio :	17.3	26.3	20.7	79.2				

Estación : JULIO FERNANDEZ  
Año : 1998

Dpto. : VALLE  
Mpio. : RESTREPO

Latitud : 3 ° 48' N  
Longitud : 76 ° 32' W  
Altitud : 1360 m

Julio	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	14.8	27.8	21.3	72.7	0.0	0.0	0.0	8.3
2	19.0	25.6	20.8	79.7	.5	0.0	.5	2.3
3	17.0	26.0	20.8	77.0	0.0	0.0	0.0	4.7
4	16.8	25.4	19.8	77.7	10.1	.2	10.3	2.1
5	17.2	23.4	19.3	84.7	5.9	.3	6.2	3.2
6	16.2	26.4	20.0	77.7	26.6	0.0	26.6	2.1
7	16.6	24.6	19.3	81.7	0.0	0.0	0.0	1.9
8	16.2	25.8	19.5	80.3	.4	0.0	.4	2.7
9	17.4	25.0	20.6	77.3	.3	.3	.6	1.5
10	17.0	26.4	20.7	75.7	1.3	0.0	1.3	4.3
11	16.0	26.0	20.4	78.7	0.0	0.0	0.0	3.5
12	18.0	26.8	21.0	77.3	1.7	0.0	1.7	4.1
13	14.6	27.6	20.5	72.0	0.0	0.0	0.0	8.1
14	17.0	26.6	20.4	74.0	0.0	0.0	0.0	3.7
15	16.9	25.1	19.4	81.7	7.0	0.0	7.0	5.8
16	16.6	25.4	19.4	81.7	.9	.1	1.0	5.6
17	16.4	24.8	19.4	82.0	2.5	.5	3.0	3.8
18	17.0	23.4	19.2	81.3	9.6	.4	10.0	4.0
19	16.8	26.8	20.1	80.7	9.9	.2	10.1	5.7
20	16.9	27.9	20.8	76.7	0.0	0.0	0.0	8.2
21	16.8	26.8	20.6	75.0	0.0	0.0	0.0	7.4
22	18.0	24.6	19.6	83.7	.3	0.0	.3	4.1
23	15.8	25.2	20.1	76.3	0.0	0.0	0.0	6.6
24	16.0	25.0	20.1	77.0	0.0	0.0	0.0	5.0
25	17.1	24.8	19.8	78.3	0.0	0.0	0.0	5.7
26	14.1	29.2	20.7	77.0	0.0	.1	.1	5.6
27	17.4	26.6	20.9	76.0	0.0	20.9	20.9	5.5
28	16.6	25.8	20.6	78.0	0.0	9.6	9.6	6.4
29	17.0	27.8	21.2	75.7	.4	1.8	2.2	5.3
30	17.4	25.8	20.9	79.0	0.0	0.0	0.0	5.7
31	16.2	26.4	19.6	79.0	0.0	0.0	0.0	4.9
Total :					77.4	34.4	111.8	147.8
Promedio :	16.7	26.0	20.2	78.2				

Agosto	Temperatura ( °C )			Hum. Rel. (%)	Precipitación ( mm )			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	16.0	28.6	21.4	71.3	.2	0.0	.2	4.8
2	17.8	28.4	21.5	75.0	0.0	0.0	0.0	6.0
3	17.6	26.6	21.0	79.3	0.0	0.0	0.0	6.5
4	17.0	26.4	20.6	80.0	2.4	.2	2.6	2.8
5	18.0	24.2	20.0	78.0	0.0	0.0	0.0	2.9
6	17.4	25.2	19.9	69.3	9.7	0.0	9.7	1.7
7	15.8	24.8	18.3	91.3	1.3	.4	1.7	2.2
8	15.8	24.8	18.6	87.0	3.8	0.0	3.8	1.8
9	12.0	28.0	19.6	74.7	0.0	0.0	0.0	9.8
10	16.0	26.4	19.6	87.0	1.3	35.2	36.5	2.7
11	16.4	27.0	21.4	73.0	0.0	0.0	0.0	6.5
12	17.2	25.4	19.9	82.7	1.3	0.0	1.3	4.5
13	16.2	25.0	19.6	80.7	0.0	0.0	0.0	3.3
14	16.8	24.2	19.4	79.3	0.0	0.0	0.0	6.0
15	16.0	24.0	19.3	88.7	11.3	0.0	11.3	1.6
16	15.6	26.4	19.8	86.0	0.0	0.0	0.0	6.8
17	16.9	25.8	20.4	75.0	.2	.2	.4	5.8
18	17.7	26.2	20.2	76.0	0.0	0.0	0.0	6.3
19	17.4	25.0	20.4	72.7	0.0	.3	.3	3.4
20	17.8	27.8	20.8	74.3	.3	.1	.4	4.8
21	16.8	26.8	20.8	75.3	0.0	0.0	0.0	5.3
22	17.0	25.4	20.0	81.7	.8	0.0	.8	6.1
23	18.0	27.6	21.1	74.7	4.5	0.0	4.5	6.1
24	18.6	27.4	21.4	74.3	0.0	12.9	12.9	7.5
25	17.8	25.4	20.4	77.0	0.0	1.4	1.4	3.3
26	17.2	24.4	19.8	79.7	3.3	0.0	3.3	4.8
27	16.8	24.8	20.1	80.0	0.0	0.0	0.0	4.7
28	17.0	26.8	20.6	78.7	0.0	0.0	0.0	6.1
29	17.8	25.2	21.0	78.0	0.0	0.0	0.0	5.8
30	18.0	25.0	20.4	83.0	0.0	.2	.2	4.7
31	17.6	27.0	20.6	76.7	0.0	0.0	0.0	4.7
Total :					40.2	50.9	91.1	149.1
Promedio :	16.9	26.0	20.3	78.7				

Estación : JULIO FERNANDEZ  
Año : 1998

Dpto. : VALLE  
Mpio. : RESTREPO

Latitud : 3 ° 48' N  
Longitud : 76 ° 32' W  
Altitud : 1360 m

Septiembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	15.0	26.2	20.0	79.7	0.0	0.0	0.0	4.5
2	17.4	25.4	20.6	77.7	0.0	30.2	30.2	3.9
3	16.8	22.0	18.3	89.0	9.3	0.0	9.3	1.4
4	15.0	24.2	19.0	82.3	2.3	0.0	2.3	2.1
5	16.0	27.8	20.6	78.0	0.0	0.0	0.0	5.3
6	17.8	26.8	21.0	76.7	0.0	0.0	0.0	7.7
7	18.0	25.0	20.5	75.7	0.0	3.1	3.1	2.8
8	17.0	22.6	19.2	83.3	0.0	.8	.8	.2
9	16.8	25.0	19.6	80.0	0.0	.7	.7	4.3
10	16.4	24.8	19.4	79.0	0.0	0.0	0.0	3.8
11	16.2	25.4	19.2	79.7	2.1	0.0	2.1	3.1
12	17.0	24.4	19.7	78.3	1.0	10.0	11.0	3.5
13	16.7	27.4	20.2	78.3	9.7	15.8	25.5	4.4
14	16.1	27.6	20.6	73.0	0.0	2.5	2.5	6.4
15	17.0	27.1	20.5	72.7	0.0	.7	.7	2.5
16	17.2	29.1	21.7	73.3	0.0	0.0	0.0	5.2
17	17.0	27.1	21.0	68.7	0.0	0.0	0.0	6.9
18	15.5	28.8	21.5	73.7	0.0	12.6	12.6	6.1
19	17.8	23.8	19.3	87.3	.7	0.0	.7	.7
20	17.0	26.8	21.2	74.3	0.0	0.0	0.0	5.6
21	18.2	24.6	20.0	79.0	0.0	0.0	0.0	4.3
22	17.0	26.6	20.2	77.3	.3	29.0	29.3	3.7
23	16.0	25.5	20.0	80.7	0.0	2.1	2.1	5.0
24	18.0	26.2	20.4	81.0	0.0	0.0	0.0	5.5
25	17.9	25.7	19.8	80.0	.3	0.0	.3	3.8
26	17.2	25.2	19.8	80.3	.6	.5	1.1	4.4
27	16.0	26.8	20.7	79.0	20.5	.8	21.3	4.3
28	17.0	25.8	19.6	79.3	0.0	0.0	0.0	6.7
29	18.0	27.5	21.0	77.3	0.0	0.0	0.0	6.1
30	18.8	27.2	21.4	78.3	0.0	0.0	0.0	6.7
31								
Total :	—	—	—	—	46.8	108.8	155.6	130.9
Promedio :	16.9	25.9	20.2	78.4				
Octubre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	18.0	26.2	20.9	78.7	0.0	0.0	0.0	4.8
2	16.7	26.8	20.5	79.7	0.0	0.0	0.0	4.3
3	18.0	25.4	19.6	74.0	0.0	0.0	0.0	3.4
4	15.0	26.8	20.4	75.0	0.0	0.0	0.0	8.8
5	18.1	26.4	20.8	73.7	0.0	18.2	18.2	2.3
6	17.8	27.0	20.6	76.7	3.5	.8	4.3	3.3
7	18.0	24.1	19.7	82.0	.1	.2	.3	.9
8	16.2	26.8	20.8	78.3	.5	0.0	.5	3.5
9	18.1	25.0	19.6	91.7	18.3	0.0	18.3	.4
10	17.2	27.8	21.3	74.7	0.0	0.0	0.0	8.3
11	18.0	27.0	21.3	83.0	0.0	0.0	0.0	6.0
12	17.9	26.8	21.5	74.3	0.0	0.0	0.0	9.4
13	17.0	27.2	20.6	74.7	0.0	0.0	0.0	6.6
14	16.4	26.6	20.0	77.7	0.0	0.0	0.0	5.5
15	17.8	28.5	21.4	75.0	.1	14.2	14.3	6.1
16	16.8	25.0	19.8	87.7	1.3	0.0	1.3	.4
17	16.4	26.0	20.2	76.0	0.0	0.0	0.0	4.0
18	15.0	27.2	20.2	75.3	0.0	1.3	1.3	7.5
19	17.8	25.7	20.0	78.7	0.0	1.0	1.0	1.6
20	17.0	26.2	20.0	76.3	0.0	0.0	0.0	5.3
21	16.9	26.0	20.3	75.3	0.0	0.0	0.0	1.4
22	17.0	22.9	18.6	87.0	.7	.1	.8	.5
23	15.8	24.0	19.0	72.0	0.0	3.0	3.0	6.9
24	14.0	25.0	18.7	67.0	.4	6.7	7.1	5.8
25	13.5	23.0	18.3	80.3	0.0	1.1	1.1	1.1
26	17.0	26.0	19.9	79.3	.2	.2	.4	3.2
27	17.4	24.2	19.0	80.0	0.0	0.0	0.0	2.9
28	17.0	26.6	20.2	74.3	0.0	2.7	2.7	6.5
29	17.0	25.4	19.4	81.3	.5	1.9	2.4	4.4
30	17.2	24.2	19.2	85.7	2.0	0.0	2.0	.7
31	17.1	24.0	18.9	81.0	.5	2.1	2.6	1.4
Total :	—	—	—	—	28.1	53.5	81.6	127.2
Promedio :	16.9	25.8	20.0	78.3				

Estación : JULIO FERNANDEZ  
Año : 1998

Dpto. : VALLE  
Mpio. : RESTREPO

Latitud : 3 ° 48'N  
Longitud : 76 ° 32'W  
Altitud : 1360 m

Noviembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.2	27.0	20.0	76.3	0.0	15.0	15.0	5.4
2	17.1	25.3	19.8	76.0	5.1	0.0	5.1	5.3
3	15.0	25.8	19.7	77.3	0.0	0.0	0.0	7.2
4	17.0	24.8	19.4	82.0	.2	.1	.3	2.9
5	17.1	21.7	18.4	82.7	3.0	0.0	3.0	.1
6	15.1	25.1	19.5	74.3	0.0	2.8	2.8	4.3
7	16.0	24.0	18.7	81.0	0.0	.7	.7	3.9
8	17.0	22.9	18.6	83.7	7.8	0.0	7.8	3.2
9	16.8	25.1	19.8	77.0	0.0	0.0	0.0	4.8
10	16.9	25.0	19.7	75.0	10.0	0.0	10.0	1.7
11	16.8	26.2	19.7	79.3	1.0	1.0	2.0	5.4
12	17.0	24.4	19.1	81.0	0.0	0.0	0.0	2.7
13	16.6	25.0	19.6	78.3	0.0	0.0	0.0	5.5
14	16.8	24.8	19.7	80.3	.1	.1	.2	2.5
15	17.5	25.2	19.8	79.0	0.0	.1	.1	4.0
16	17.0	25.0	20.2	79.7	0.0	0.0	0.0	5.1
17	17.8	22.0	19.0	83.3	0.0	.1	.1	0.0
18	16.6	27.0	19.9	76.3	0.0	0.0	0.0	6.8
19	17.0	24.4	19.4	85.0	.9	0.0	.9	2.6
20	15.8	22.0	18.0	82.0	.4	0.0	.4	.2
21	15.0	23.0	18.3	88.7	3.7	25.5	29.2	.7
22	16.1	22.0	18.2	84.7	5.1	0.0	5.1	0.0
23	16.0	27.0	20.2	77.0	0.0	4.4	4.4	5.1
24	17.0	24.0	18.8	81.0	0.0	28.5	28.5	2.7
25	16.0	23.9	19.1	78.3	1.5	0.0	1.5	1.7
26	17.0	24.0	19.4	80.0	1.0	.4	1.4	2.8
27	16.1	23.0	19.0	78.7	1.7	1.0	2.7	2.5
28	16.0	24.0	19.5	69.0	0.0	0.0	0.0	2.3
29	14.6	25.8	19.4	72.3	0.0	3.8	3.8	6.0
30	17.0	25.2	19.6	77.3	0.0	0.0	0.0	4.0
31								
Total :					41.5	83.5	125.0	101.4
Promedio :	16.5	24.5	19.3	79.2				

Diciembre	Temperatura (°C)			Hum. Rel. (%)	Precipitación (mm)			Brillo Sol.(h)
	Mín	Máx.	Med.		Día	Noche	Total	
1	17.0	25.8	20.0	75.0	0.0	21.9	21.9	6.7
2	17.2	24.1	19.6	69.0	.7	0.0	.7	3.3
3	13.8	26.0	19.8	69.7	0.0	0.0	0.0	7.5
4	15.0	27.0	20.0	76.7	0.0	0.0	0.0	2.9
5	17.0	26.4	20.6	69.3	0.0	7.4	7.4	2.4
6	17.0	24.5	19.6	79.7	5.1	0.0	5.1	1.4
7	16.9	24.9	19.6	80.7	6.4	0.0	6.4	2.5
8	15.0	25.8	19.2	78.7	0.0	0.0	0.0	8.1
9	17.0	26.2	19.4	77.0	0.0	0.0	0.0	6.9
10	16.8	25.2	20.0	74.7	.2	.1	.3	3.4
11	17.2	25.4	19.8	77.7	.1	.9	1.0	3.4
12	17.1	24.6	19.4	83.3	.9	1.9	2.8	3.0
13	16.8	24.2	19.4	82.0	0.0	0.0	0.0	.9
14	16.4	27.0	20.2	77.7	0.0	2.0	2.0	7.6
15	18.0	25.0	20.0	81.0	0.0	0.0	0.0	2.9
16	16.8	23.2	19.6	79.7	0.0	0.0	0.0	.1
17	16.6	24.0	19.6	75.7	0.0	0.0	0.0	.2
18	17.0	26.4	20.4	76.7	4.5	0.0	4.5	3.0
19	16.8	26.8	20.0	78.3	1.9	0.0	1.9	4.0
20	15.6	25.2	19.6	74.0	0.0	0.0	0.0	4.1
21	16.1	24.9	19.5	78.3	4.9	0.0	4.9	4.3
22	15.8	25.8	20.0	74.7	0.0	10.0	10.0	5.6
23	15.9	26.0	20.0	73.7	.4	0.0	.4	5.3
24	16.0	28.0	20.9	71.3	0.0	0.0	0.0	7.4
25	16.9	23.8	19.2	79.3	0.0	3.9	3.9	0.0
26	17.1	24.2	19.6	76.7	0.0	0.0	0.0	4.3
27	15.0	26.0	19.7	75.0	0.0	0.0	0.0	4.3
28	17.0	24.9	19.2	79.0	0.0	8.2	8.2	5.0
29	16.9	25.0	19.5	77.7	0.0	0.0	0.0	3.2
30	17.0	27.1	20.3	75.3	0.0	1.0	1.0	7.2
31	17.4	26.0	20.2	78.3	0.0	.9	.9	3.6
Total :					25.1	58.2	83.3	124.5
Promedio :	16.5	25.5	19.8	76.6				

Estación : JULIO FERNANDEZ  
 Año : 1998

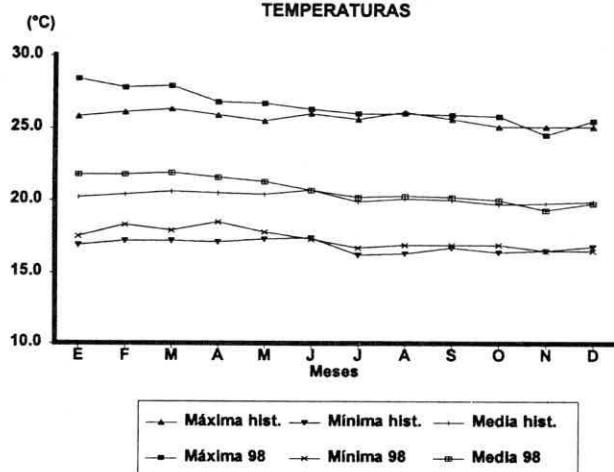
Dpto. : VALLE  
 Mpio. : RESTREPO

Latitud : 3 ° 48' N  
 Longitud : 76 ° 32' W  
 Altitud : 1360 m

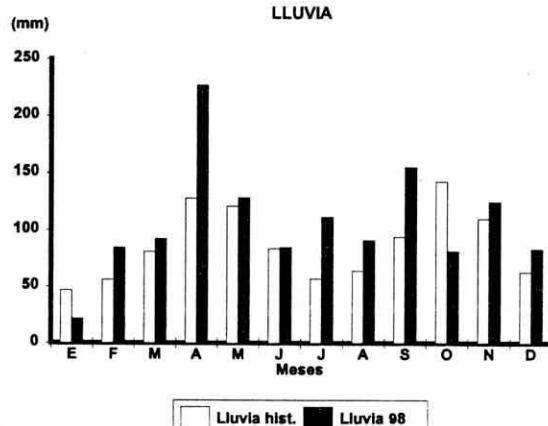
#### TEMPERATURA °C

MES	Min. Med.	Máx. Med.	Media	Máx. Abs.	Min. Abs.	Hum. Rel. (%)	Total mm.	Dias Lluvia	Brillo Sol. (h)
Enero	17.5	28.4	21.8	31.0	15.5	75.5	21.7	1	197.9
Febrero	18.3	27.8	21.8	31.1	15.5	76.9	84.6	10	130.5
Marzo	17.9	27.9	21.9	30.8	15.5	76.7	92.3	14	121.7
Abril	18.5	26.8	21.6	29.0	17.0	80.8	227.2	23	104.4
Mayo	17.8	26.7	21.3	30.0	16.4	79.1	128.6	22	94.9
Junio	17.3	26.3	20.7	29.9	13.8	79.2	84.9	16	125.4
Julio	16.7	26.0	20.2	29.2	14.1	78.2	111.8	18	147.8
Agosto	16.9	26.0	20.3	28.6	12.0	78.7	91.1	17	149.1
Septiembre	16.9	25.9	20.2	29.1	15.0	78.4	155.6	18	130.9
Octubre	16.9	25.8	20.0	28.5	13.5	78.3	81.6	18	127.2
Noviembre	16.5	24.5	19.3	27.0	14.6	79.2	125.0	22	101.4
Diciembre	16.5	25.5	19.8	28.0	13.8	76.6	83.3	18	124.5
Promedio :	17.3	26.5	20.7			78.1			
Absoluta :				31.1	12.0				
Total :							1287.7	197	1555.7

#### TEMPERATURAS



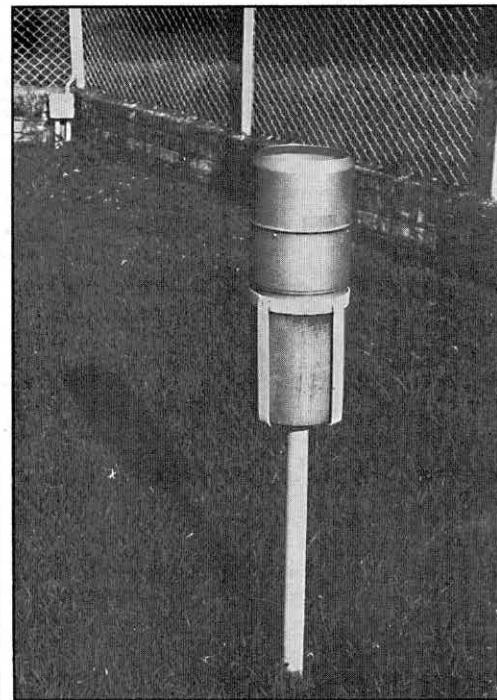
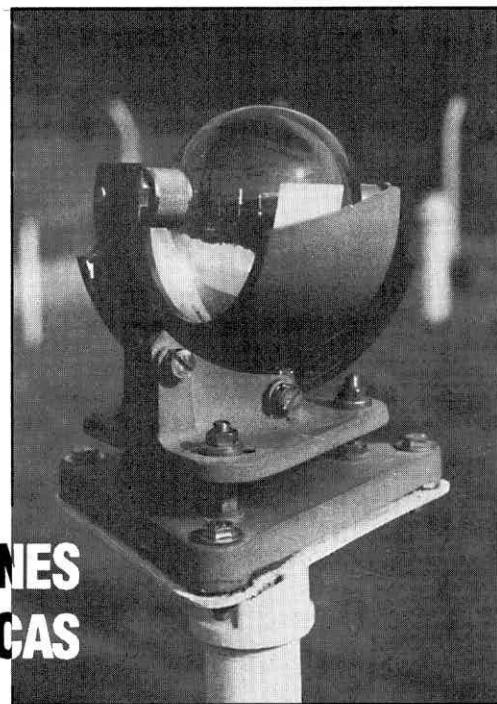
#### LLUVIA



□ Lluvia hist. ■ Lluvia 98



# **ESTACIONES HELIOPLUVIOGRAFICAS**



Estación : EL REFUGIO  
Año : 1998

Dpto. : CALDAS  
Mpio. : NEIRA

Latitud : 5 ° 11' N  
Longitud : 75 ° 35' W  
Altitud : 1320 m

Nº Día	Enero			Febrero			Marzo			Brillo Sol.(h)	
	Precipitación ( mm )			Precipitación ( mm )			Precipitación ( mm )				
	Día	Noche	Total	Día	Noche	Total	Día	Noche	Total		
1	0.0	0.0	0.0	6.8		0.0	10.0		0.0	9.6	
2	0.0	0.0	0.0	9.8		0.0	7.0		0.0	1.4	
3	0.0	0.0	0.0	8.5		0.0	4.0		0.0	8.1	
4	0.0	0.0	0.0	9.4		0.0	9.1		0.0	7.1	
5	0.0	21.0	21.0	8.4		4.0	1.0		1.0	3.0	
6	0.0	0.0	0.0	4.9		20.0	4.5		14.0	3.4	
7	0.0	0.0	0.0	1.5		43.0	4.2		0.0	1.8	
8	0.0	0.0	0.0	10.5		0.0	0.0		1.0	3.1	
9	0.0	0.0	0.0	9.7		0.0	2.4		29.0	3.8	
10	0.0	0.0	0.0	10.4		1.0	.2		0.0	8.2	
11	0.0	1.9	1.9	9.8		0.0	1.3		0.0	5.5	
12	0.0	0.0	0.0	1.8		11.0	2.3		0.0	10.2	
13	9.0	0.0	9.0	7.7		2.0	5.7		0.0	8.9	
14	0.0	0.0	0.0	3.8		0.0	5.2		0.0	2.3	
15	0.0	0.0	0.0	10.2		0.0	10.2		13.0	7.0	
16	0.0	0.0	0.0	8.3		0.0	10.0		0.0	6.1	
17	0.0	0.0	0.0	8.2		0.0	10.5		0.0	7.6	
18	0.0	0.0	0.0	10.6		0.0	9.6		0.0	9.1	
19	0.0	0.0	0.0	8.0		0.0	8.5		0.0	2.9	
20	0.0	0.0	0.0	3.7		2.0	9.5		0.0	1.6	
21	0.0	0.0	0.0	8.0		3.0	8.9		0.0	5.7	
22	0.0	0.0	0.0	10.4		0.0	8.9		17.0	6.9	
23	0.0	0.0	0.0	9.8		0.0	2.2		3.0	0.0	
24	0.0	0.0	0.0	7.0		0.0	7.2		0.0	2.0	
25	0.0	0.0	0.0	9.4		0.0	9.8		9.0	7.0	
26	0.0	0.0	0.0	8.8		0.0	9.1		24.0	6.2	
27	0.0	0.0	0.0	8.5		6.0	9.5		37.0	4.4	
28	0.0	0.0	0.0	2.6		2.0	3.8		4.0	4.3	
29	0.0	0.0	0.0	7.3					5.0	3.8	
30	0.0	0.0	0.0	4.9					0.0	.3	
31	0.0	0.0	0.0	10.1					11.0	6.9	
	9.0	22.9	31.9	238.8		94.0	174.6		168.0	158.2	
Nº Día	Abril			Mayo			Junio			Brillo Sol.(h)	
	Precipitación ( mm )			Precipitación ( mm )			Precipitación ( mm )				
	Día	Noche	Total	Día	Noche	Total	Día	Noche	Total		
1		6.0		.9	2.6	.8	3.4	.3			
2		2.9		1.4	0.0	7.7	7.7	1.7			
3		.4		.2	1.0	0.0	1.0	.4			
4		3.7		4.4	.6	1.8	2.4	3.8			
5		9.2		3.0	0.0	0.0	0.0	0.0			
6		.4		1.2	0.0	0.0	0.0	0.0			
7		6.4		5.8	0.0	0.0	0.0	1.9			
8		5.5		1.8	0.0	2.0	2.0	2.6			
9		2.8		5.1	0.0	6.9	6.9	3.7			
10		5.5		3.3	0.0	0.0	0.0	0.0			
11		.3		6.3	0.0	0.0	0.0	7.3			
12		7.0		1.7	0.0	0.0	0.0	3.8			
13		0.0		7.2	.3	0.0	.3	10.5			
14		.5		6.0	.2	3.2	3.4	0.0			
15		9.0		.1	0.0	11.0	11.0	0.0			
16		4.9		6.8	0.0	4.0	4.0	4.0			
17		3.7		2.1	0.0	0.0	0.0	5.4			
18		4.8		4.3	0.0	0.0	0.0	6.9			
19		.8		5.8	0.0	1.0	1.0	5.2			
20		2.2		8.9	0.0	0.0	0.0	3.8			
21		2.8		8.2	0.0	58.0	58.0	3.3			
22		3.2		7.1	0.0	0.0	0.0	1.0			
23		0.0		0.0	0.0	0.0	0.0	4.0			
24		6.6		4.2	0.0	0.0	0.0	7.0			
25		0.0		.2	0.0	0.0	0.0	6.9			
26		.7		1.2	0.0	0.0	0.0	6.1			
27		5.4		2.5	0.0	0.0	0.0	.4			
28		1.6		1.0	.3	2.7	3.0	7.1			
29		6.8		.2	0.0	0.0	0.0	0.0			
30		4.0		2.2	0.0	0.0	0.0	0.0			
31				3.3				11.1			
			107.1			106.4	5.0	99.1	104.1	124.6	

Estación : EL REFUGIO  
Año : 1998

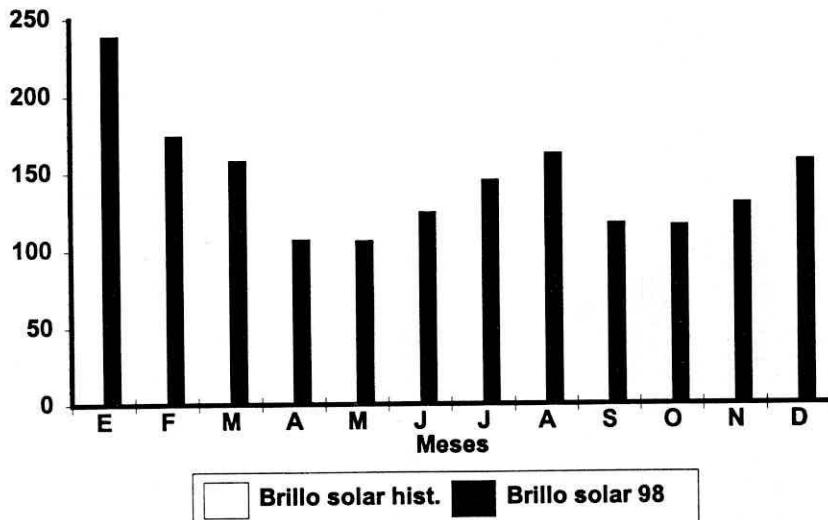
Dpto. : CALDAS  
Mpio. : NEIRA

Latitud : 5 ° 11' N  
Longitud : 75 ° 35' W  
Altitud : 1320 m

Nº Día	Julio			Agosto			Septiembre			Brillo Sol.(h)	
	Precipitación (mm)			Precipitación (mm)			Precipitación (mm)				
	Día	Noche	Total	Día	Noche	Total	Día	Noche	Total		
1	0.0	0.0	0.0	10.1	0.0	0.0	7.5	0.0	0.0	5.6	
2	0.0	0.0	0.0	5.6	0.0	0.0	8.2	.1	4.3	3.4	
3	0.0	3.5	3.5	6.5	0.0	0.0	5.4	1.9	0.0	1.9	
4	.2	19.0	19.2	1.9	0.0	0.0	0.0	6.1	0.0	0.0	
5	0.0	2.7	2.7	1.6	0.0	24.0	24.0	3.2	.7	4.7	
6	2.2	0.0	2.2	5.1	0.0	.2	2.0	0.0	0.0	9.5	
7	.4	0.0	.4	2.0	.8	4.9	5.7	3.3	0.0	3.7	
8	.2	29.2	29.4	4.7	0.0	0.0	0.0	3.7	9.8	5.1	
9	0.0	0.0	0.0	4.2	1.8	.2	2.0	8.0	0.0	2.0	
10	.3	0.0	.3	3.8	0.0	.5	.5	5.6	0.0	2.4	
11	0.0	0.0	0.0	9.7	0.0	0.0	0.0	6.3	0.0	3.1	
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	6.3	10.1	
13	0.0	0.0	0.0	6.7	0.0	0.0	0.0	4.0	0.0	.8	
14	0.0	0.0	0.0	5.1	0.0	44.0	44.0	6.9	0.0	18.0	
15	0.0	9.6	9.6	7.4	.2	0.0	.2	6.5	0.0	18.0	
16	0.0	7.6	7.6	2.6	.7	0.0	.7	4.9	0.0	10.0	
17	0.0	.5	.5	3.4	1.0	0.0	1.0	5.3	.3	0.0	
18	0.0	14.5	14.5	6.9	0.0	22.0	22.0	9.9	.1	1.0	
19	.4	5.4	5.8	3.4	.7	14.5	15.2	3.4	0.0	0.0	
20	0.0	0.0	0.0	3.5	0.0	26.0	26.0	4.6	.9	1.3	
21	0.0	0.0	0.0	5.9	0.0	0.0	0.0	9.0	.3	9.3	
22	0.0	0.0	0.0	2.4	0.0	0.0	0.0	3.7	4.9	.5	
23	0.0	0.0	0.0	5.8	0.0	0.0	0.0	6.9	.6	0.0	
24	1.4	0.0	1.4	5.1	0.0	3.3	3.3	7.4	0.0	0.0	
25	0.0	0.0	0.0	.9	1.6	33.4	35.0	3.8	0.0	0.0	
26	0.0	0.0	0.0	5.0	3.8	61.2	65.0	0.0	0.0	6.6	
27	0.0	1.1	1.1	5.8	0.0	11.0	11.0	9.4	0.0	0.0	
28	.3	1.0	1.3	5.8	0.0	0.0	0.0	4.0	0.0	0.0	
29	0.0	2.0	2.0	5.3	0.0	0.0	0.0	7.9	0.0	.2	
30	0.0	0.0	0.0	2.9	2.0	1.8	3.8	2.6	0.0	8.5	
31	0.0	0.0	0.0	6.4	1.0	0.0	1.0	.1	0.0	8.1	
	5.4	96.1	101.5	145.5	13.6	247.0	260.6	162.5	25.9	152.7	
										178.6	
										117.4	
Nº Día	Octubre			Noviembre			Diciembre			Brillo Sol.(h)	
	Precipitación (mm)			Precipitación (mm)						Precipitación (mm)	
	Día	Noche	Total	Brillo Sol.(h)	Día	Noche	Total	Brillo Sol.(h)	Día	Noche	Total
1	0.0	0.0	6.1	0.0	2.9	2.9	7.0	0.0	1.1	1.1	
2	0.0	0.0	4.1	0.0	0.0	0.0	7.8	1.2	1.9	3.1	
3	17.7	.2	17.9	3.9	0.0	0.0	0.0	7.0	.1	5.9	
4	0.0	0.0	5.2	.6	4.0	4.6	1.2	0.0	0.0	3.4	
5	0.0	29.4	29.4	2.6	.6	8.4	9.0	1.3	1.3	1.5	
6	0.0	0.0	0.0	4.9	0.0	0.0	0.0	3.8	2.0	20.0	
7	.7	0.0	.7	1.1	0.0	0.0	0.0	.6	1.9	0.0	
8	0.0	0.0	0.0	3.8	0.0	1.9	1.9	3.9	0.0	2.8	
9	0.0	0.0	0.0	2.8	0.0	23.9	23.9	7.1	.5	11.1	
10	0.0	0.0	0.0	8.8	0.0	2.3	2.3	6.3	.5	29.1	
11	0.0	0.0	0.0	7.2	0.0	.3	.3	8.1	6.3	3.6	
12	12.9	0.0	12.9	5.2	2.0	.1	2.1	3.4	.3	0.0	
13	0.0	0.0	0.0	0.0	.4	4.8	5.2	5.1	.2	0.0	
14	.2	22.8	23.0	8.8	9.6	0.0	9.6	5.3	0.0	0.0	
15	0.0	0.0	0.0	5.5	9.6	0.0	9.6	1.5	0.0	0.0	
16	0.0	0.0	0.0	4.8	0.0	0.0	0.0	6.2	.2	0.0	
17	0.0	4.3	4.3	4.0	0.0	0.0	0.0	4.6	0.0	0.0	
18	0.0	.7	.7	0.0	.2	0.0	.2	4.1	0.0	1.4	
19	.4	0.0	.4	4.6	0.0	0.0	0.0	4.0	0.0	2.3	
20	.4	0.0	.4	3.3	0.0	0.0	0.0	3.7	2.4	0.0	
21	8.6	.7	9.3	1.6	0.0	.2	.2	2.9	0.0	0.0	
22	29.2	0.0	29.2	2.3	.1	0.0	.1	0.0	0.0	.9	
23	.6	15.1	15.7	5.6	0.0	19.0	19.0	8.9	14.0	0.0	
24	7.8	6.0	13.8	2.2	.1	13.5	13.6	1.6	0.0	6.0	
25	21.0	0.0	21.0	0.0	0.0	0.0	0.0	3.9	1.2	0.0	
26	0.0	0.0	0.0	7.3	0.0	0.0	0.0	6.2	0.0	18.7	
27	3.0	0.0	3.0	0.0	1.6	17.6	19.2	2.4	0.0	0.0	
28	0.0	2.7	2.7	6.0	.5	1.6	2.1	1.1	.6	0.0	
29	.1	15.8	15.9	3.6	0.0	.3	.3	5.2	0.0	0.0	
30	.5	0.0	.5	.8	0.0	0.0	0.0	6.3	0.0	0.0	
31	.3	1.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0	3.5	
	103.4	99.6	203.0	116.1	25.3	100.8	126.1	130.5	32.7	99.1	
										131.8	
										158.0	

**El Refugio**  
**BRILLO SOLAR**

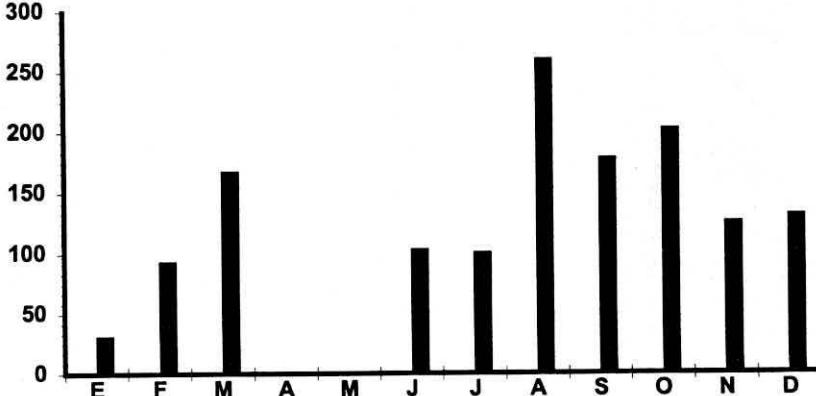
(Horas)



Brillo solar hist.  Brillo solar 98

**LLUVIA**

(mm)



Lluvia hist.  Lluvia 98

Estación : BREMEN  
Año : 1998

Dpto. : QUINDIO  
Mpio. : CIRCASIA

Latitud : 4 ° 40' N  
Longitud : 75 ° 37' W  
Altitud : 2040 m

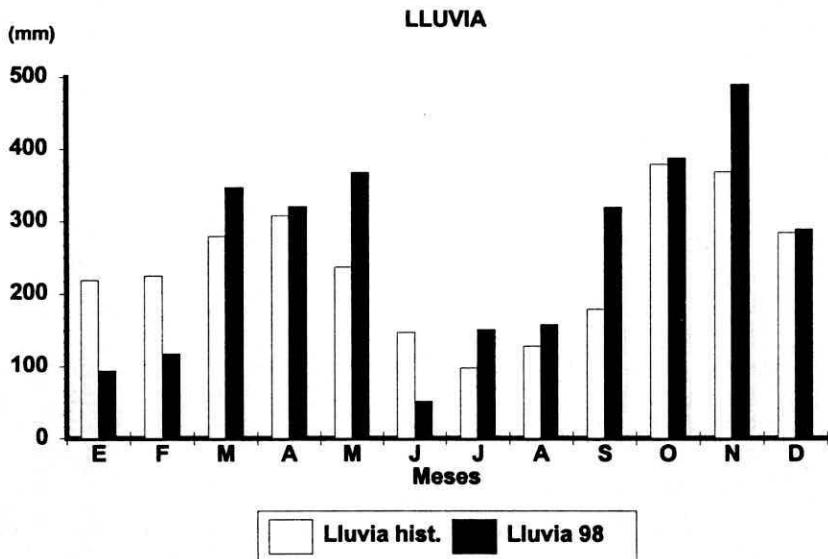
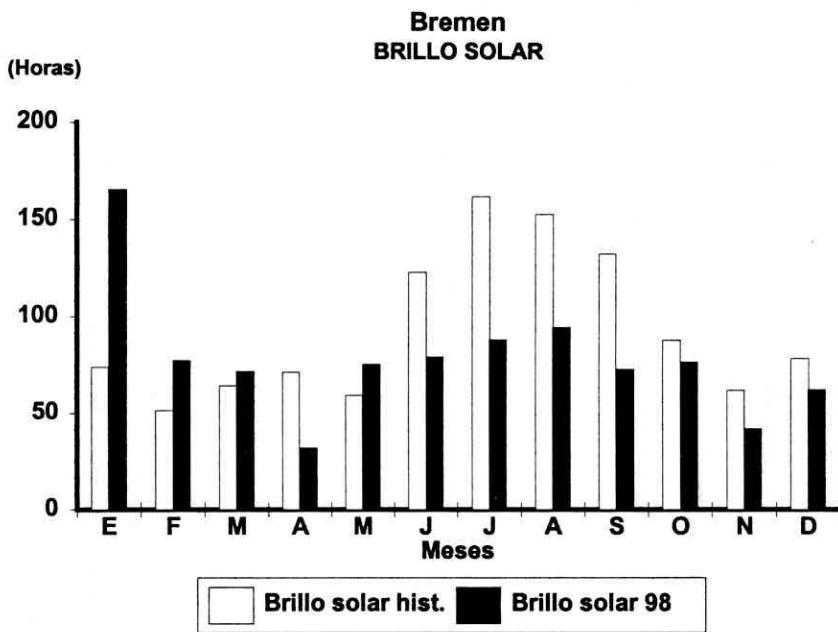
Nº Día	Enero			Febrero			Marzo			Brillo Sol.(h)	
	Precipitación (mm)			Brillo Sol.(h)	Precipitación (mm)			Brillo Sol.(h)	Precipitación (mm)		
	Día	Noche	Total		Día	Noche	Total		Día	Noche	Total
1	26.1	0.0	26.1	2.7	0.0	0.0	0.0	6.0	1.4	.9	2.3
2	0.0	0.0	0.0	8.6	.6	0.0	.6	3.6	13.2	0.0	13.2
3	0.0	0.0	0.0	9.6	1.3	0.0	1.3	.7	0.0	0.0	0.0
4	0.0	0.0	0.0	9.5	1.8	0.0	1.8	3.5	1.0	0.0	1.0
5	0.0	0.0	0.0	6.6	5.1	0.0	5.1	5.0	0.0	0.0	0.0
6	0.0	0.0	0.0	1.7	0.0	13.2	13.2	.7	3.8	0.0	3.8
7	28.8	0.0	28.8	.7	2.3	37.7	40.0	1.6	.2	9.4	9.6
8	0.0	0.0	0.0	6.4	8.4	.8	9.2	0.0	12.1	0.0	12.1
9	.1	0.0	.1	5.5	2.0	0.0	2.0	.2	10.5	0.0	10.5
10	0.0	0.0	0.0	7.6	.2	0.0	.2	0.0	3.5	.1	3.6
11	0.0	0.0	0.0	7.8	2.5	0.0	2.5	.1	23.8	0.0	23.8
12	0.0	0.0	0.0	.4	0.0	0.0	0.0	.8	.2	0.0	.2
13	8.0	0.0	8.0	2.1	.5	1.5	2.0	5.0	0.0	0.0	0.0
14	22.2	0.0	22.2	1.2	.9	3.0	3.9	1.5	23.1	0.0	23.1
15	0.0	0.0	0.0	6.0	1.0	0.0	1.0	5.0	0.0	0.0	0.0
16	.4	0.0	.4	6.8	0.0	0.0	0.0	9.6	0.0	0.0	0.0
17	0.0	0.0	0.0	5.8	0.0	0.0	0.0	8.8	3.6	0.0	3.6
18	0.0	0.0	0.0	6.1	0.0	0.0	0.0	3.6	8.6	0.0	8.6
19	0.0	0.0	0.0	1.9	0.0	0.0	0.0	1.1	6.1	0.0	6.1
20	0.0	0.0	0.0	4.4	.3	0.0	.3	4.2	1.8	0.0	1.8
21	2.2	0.0	2.2	6.9	0.0	0.0	0.0	2.7	.1	0.0	.1
22	6.4	0.0	6.4	5.9	0.0	.2	.2	3.1	8.7	2.7	11.4
23	0.0	0.0	0.0	3.6	13.9	0.0	13.9	.4	31.8	.5	32.3
24	0.0	0.0	0.0	5.5	0.0	0.0	0.0	1.9	4.1	0.0	4.1
25	0.0	0.0	0.0	7.3	0.0	0.0	0.0	4.4	0.0	1.0	4.9
26	0.0	0.0	0.0	7.3	4.7	0.0	4.7	3.3	30.7	.7	31.4
27	0.0	0.0	0.0	5.0	12.4	0.0	12.4	3.6	.1	8.8	8.9
28	0.0	0.0	0.0	1.6	3.3	0.0	3.3	2.1	38.9	2.0	40.9
29	0.0	0.0	0.0	7.8	0.0	0.0	0.0	36.0	27.0	63.0	.4
30	0.0	0.0	0.0	5.0	0.0	0.0	0.0	30.0	0.0	30.0	.3
31	0.0	0.0	0.0	8.2	0.0	0.0	0.0	.6	0.0	.6	2.8
	94.2	0.0	94.2	165.5	61.2	56.4	117.6	77.5	293.9	53.1	347.0
											71.8
Nº Día	Abril			Mayo			Junio			Brillo Sol.(h)	
	Precipitación (mm)			Brillo Sol.(h)	Precipitación (mm)			Brillo Sol.(h)	Precipitación (mm)		
	Día	Noche	Total		Día	Noche	Total		Día	Noche	Total
1	24.7	0.0	24.7	.7	17.9	1.2	19.1	.2	18.3	2.4	20.7
2	25.9	3.2	29.1	.8	.5	26.4	26.9	.6	0.0	4.2	4.2
3	19.9	6.0	25.9	.2	21.5	43.3	64.8	.2	0.0	0.0	0.0
4	19.5	0.0	19.5	1.0	6.6	2.2	8.8	0.0	0.0	.6	4.3
5	1.3	.1	1.4	1.4	3.9	9.6	13.5	.8	0.0	0.0	3.9
6	34.0	.5	34.5	0.0	0.0	0.0	0.0	.1	1.7	0.0	1.7
7	1.4	0.0	1.4	.5	41.4	21.8	63.2	1.1	0.0	0.0	2.0
8	1.7	0.0	1.7	1.3	0.0	0.0	0.0	1.5	1.7	7.8	9.5
9	0.0	0.0	0.0	.7	0.0	0.0	0.0	.7	2.4	0.0	2.4
10	17.9	11.3	29.2	2.3	0.0	0.0	0.0	4.1	3.5	0.0	3.6
11	19.4	.4	19.8	0.0	22.5	0.0	22.5	1.2	0.0	0.0	0.0
12	0.0	0.0	0.0	1.2	.2	0.0	.2	0.0	0.0	0.0	3.4
13	18.6	22.4	41.0	2.1	0.0	0.0	0.0	7.3	0.0	0.0	9.0
14	.4	0.0	.4	0.0	0.0	.1	.1	4.6	0.0	.9	.9
15	0.0	.1	.1	1.5	0.0	0.0	0.0	.2	.9	.4	1.3
16	7.8	0.0	7.8	2.7	0.0	0.0	0.0	8.9	.3	0.0	.3
17	10.5	0.0	10.5	.3	0.0	3.9	3.9	1.1	0.0	0.0	3.0
18	3.0	0.0	3.0	2.1	0.0	0.0	0.0	5.6	0.0	0.0	.7
19	15.6	3.1	18.7	.6	0.0	0.0	0.0	9.2	.4	0.0	.4
20	0.0	0.0	0.0	1.6	0.0	0.0	0.0	7.3	0.0	1.0	1.5
21	0.0	0.0	0.0	.2	0.0	0.0	0.0	7.6	0.0	1.2	3.5
22	17.3	0.0	17.3	2.5	2.4	0.0	2.4	6.7	0.0	0.0	0.0
23	1.2	0.0	1.2	0.0	0.0	0.0	0.0	.4	.8	0.0	.8
24	0.0	0.0	0.0	.8	.6	0.0	.6	2.0	0.0	0.0	0.0
25	12.6	0.0	12.6	2.3	1.8	14.4	16.2	0.0	0.0	0.0	4.2
26	5.1	.4	5.5	0.0	10.2	23.1	33.3	.1	1.3	0.0	2.9
27	0.0	0.0	0.0	3.1	14.0	14.4	28.4	.3	.8	0.0	.8
28	1.5	0.0	1.5	.5	35.8	9.7	45.5	0.0	1.0	0.0	1.9
29	13.0	1.1	14.1	1.0	3.9	0.0	3.9	0.0	0.0	0.0	.8
30	0.0	0.0	0.0	.7	7.4	.3	7.7	2.7	0.0	0.0	0.0
31				6.8	0.0	6.8	.9				8.8
	272.3	48.6	320.9	32.1	197.4	170.4	367.8	75.4	33.1	18.5	51.6
											79.3

Estación : BREMEN  
Año : 1998

Dpto. : QUINDIO  
Mpio. : CIRCASIA

Latitud : 4 ° 40' N  
Longitud : 75 ° 37' W  
Altitud : 2040 m

Nº Día	Julio			Agosto			Septiembre			Brillo Sol.(h)	
	Precipitación (mm)			Precipitación (mm)			Precipitación (mm)				
	Día	Noche	Total	Día	Noche	Total	Día	Noche	Total		
1	0.0	0.0	0.0	8.9	0.0	0.0	6.8	1.1	0.0	1.1	3.2
2	17.5	0.0	17.5	2.5	0.0	0.0	9.8	1.8	0.0	1.8	.3
3	.8	2.9	3.7	1.6	0.0	0.0	4.3	0.0	0.0	0.0	0.0
4	1.8	34.8	36.6	.4	0.0	0.0	2.9	23.7	.7	24.4	3.3
5	.9	.4	1.3	.4	0.0	19.1	19.1	.7	0.0	0.0	1.9
6	0.0	15.4	15.4	2.6	3.3	0.0	3.3	.6	0.0	0.0	3.9
7	6.9	0.0	6.9	.3	2.6	2.1	4.7	.4	9.7	.6	10.3
8	0.0	.5	.5	2.5	8.1	0.0	8.1	1.6	6.0	0.0	0.0
9	3.9	0.0	3.9	1.1	.5	0.0	.5	6.5	0.0	0.0	2.0
10	0.0	.5	.5	1.9	.1	20.7	20.8	3.3	1.7	.2	1.9
11	0.0	0.0	0.0	2.3	0.0	0.0	5.2	7.8	.8	8.6	1.3
12	0.0	0.0	0.0	5.0	0.0	0.0	0.0	2.5	25.0	5.3	30.3
13	0.0	0.0	0.0	4.3	1.3	0.0	1.3	.9	23.6	2.9	26.5
14	0.0	0.0	0.0	4.1	12.9	24.5	37.4	3.0	35.5	5.4	40.9
15	1.5	0.0	1.5	2.8	25.1	.6	25.7	.1	0.0	0.0	0.0
16	.2	7.8	8.0	1.2	0.0	0.0	0.0	8.2	.3	0.0	.3
17	1.7	4.7	6.4	1.2	0.0	0.0	0.0	1.5	66.1	0.0	66.1
18	0.0	24.5	24.5	.7	0.0	7.4	7.4	3.3	1.1	7.8	8.9
19	1.0	.7	1.7	1.3	5.4	2.6	8.0	1.3	.6	0.0	.6
20	0.0	0.0	0.0	7.2	1.8	0.0	1.8	.9	1.1	.3	1.4
21	0.0	0.0	0.0	5.0	.1	0.0	.1	.8	0.0	2.7	2.7
22	1.0	0.0	1.0	2.3	.1	0.0	.1	4.3	27.2	15.2	42.4
23	3.0	0.0	3.0	3.0	.7	0.0	.7	5.1	2.5	0.0	.9
24	0.0	0.0	0.0	2.7	.5	7.6	8.1	3.4	0.0	0.0	5.5
25	0.0	0.0	0.0	1.2	1.3	6.0	7.3	1.4	4.6	.5	5.1
26	11.0	0.0	11.0	2.6	.6	2.7	3.3	.6	6.8	6.9	13.7
27	0.0	0.0	0.0	3.5	.2	0.0	.2	1.8	5.4	0.0	.8
28	0.0	2.9	2.9	2.2	0.0	0.0	0.0	6.6	18.4	0.0	18.4
29	0.0	3.7	3.7	6.0	0.0	0.0	0.0	3.1	0.0	0.0	5.5
30	.7	0.0	.7	2.7	0.0	0.0	0.0	2.1	0.0	0.0	0.0
31	0.0	0.0	0.0	4.6	0.0	0.0	0.0	1.5	0.0	0.0	6.4
	51.9	98.8	150.7	88.1	64.6	93.3	157.9	94.5	270.0	49.3	319.3
											73.0
Octubre											
Nº Día	Octubre			Noviembre			Diciembre			Brillo Sol.(h)	
	Precipitación (mm)			Precipitación (mm)			Precipitación (mm)				
	Día	Noche	Total	Brillo Sol.(h)	Día	Noche	Total	Brillo Sol.(h)	Día	Brillo Sol.(h)	
1	0.0	.1	.1	4.9	38.2	0.0	38.2	1.5	0.0	24.1	24.1
2	0.0	0.0	0.0	4.4	.3	0.0	.3	2.4	16.6	15.7	32.3
3	0.0	0.0	0.0	2.9	12.6	0.0	12.6	1.2	25.9	.1	3.4
4	5.2	0.0	5.2	3.8	2.6	.9	3.5	1.1	6.7	0.0	6.7
5	7.0	7.7	14.7	2.0	19.2	0.0	19.2	.4	0.0	6.4	6.4
6	14.4	3.0	17.4	.9	4.9	15.9	20.8	.9	5.5	1.6	7.1
7	.3	0.0	.3	1.6	.2	0.0	.2	.5	4.4	0.0	4.4
8	.6	0.0	.6	1.5	8.3	0.0	8.3	2.2	.3	.5	.8
9	7.8	0.0	7.8	2.4	3.9	30.1	34.0	3.1	0.0	1.7	1.7
10	0.0	0.0	0.0	6.4	2.2	0.0	2.2	2.4	.1	0.0	.1
11	0.0	0.0	0.0	5.5	7.7	0.0	7.7	1.6	10.6	0.0	10.6
12	1.4	2.4	3.8	2.4	5.2	2.4	7.6	1.4	8.8	0.0	.8
13	21.5	0.0	21.5	.9	9.6	32.6	42.2	1.6	.5	0.0	.5
14	40.7	0.0	40.7	5.4	11.3	.3	11.6	1.9	2.6	0.0	2.6
15	4.3	35.2	39.5	1.7	4.6	0.0	4.6	1.0	1.8	0.0	1.8
16	8.2	0.0	8.2	3.8	11.9	0.0	11.9	2.9	0.0	0.0	0.0
17	.2	2.0	2.2	2.9	25.9	4.2	30.1	.8	36.6	0.0	36.6
18	3.3	2.2	5.5	3.5	0.0	0.0	0.0	.5	23.3	.1	23.4
19	1.3	0.0	1.3	.5	6.1	.9	7.0	1.6	4.9	0.0	4.9
20	2.3	.1	2.4	1.3	.2	0.0	.2	.4	7.3	10.2	17.5
21	32.5	0.0	32.5	.4	10.6	8.4	19.0	1.2	2.4	.7	3.1
22	23.9	0.0	23.9	.9	15.3	0.0	15.3	.2	.8	0.0	.8
23	20.1	24.5	44.6	1.2	0.0	8.0	8.0	4.7	1.0	.1	1.1
24	46.1	16.3	62.4	1.1	32.5	3.9	36.4	0.0	28.8	0.0	28.8
25	7.7	.8	8.5	.4	0.0	6.9	6.9	2.6	0.0	0.0	0.0
26	.9	.4	1.3	5.9	0.0	11.4	11.4	.6	17.9	3.1	21.0
27	6.5	0.0	6.5	3.2	39.5	29.4	68.9	.8	3.4	1.1	4.5
28	1.3	4.8	6.1	1.8	15.1	14.2	29.3	0.0	.1	0.0	1.6
29	22.4	.2	22.6	1.8	2.2	1.9	4.1	1.2	.1	.1	.2
30	5.7	.8	6.5	.5	1.6	26.2	27.8	1.4	7.0	0.0	7.0
31	.6	1.0	1.6	.7	0.0	0.0	0.0	.6	5.4	6.0	3.3
	286.2	101.5	387.7	76.6	291.7	197.6	489.3	42.1	218.0	70.9	288.9
											62.3



Estación : LA ELVIRA  
Año : 1998

Dpto. : RISARALDA  
Mpio. : BELEN DE UMBRIA

Latitud : 5 ° 12' N  
Longitud : 75 ° 52' W  
Altitud : 1520 m

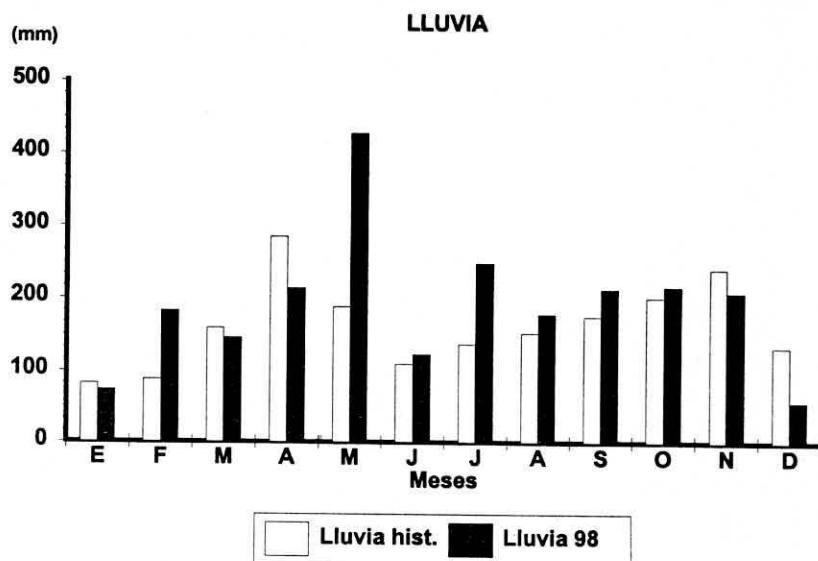
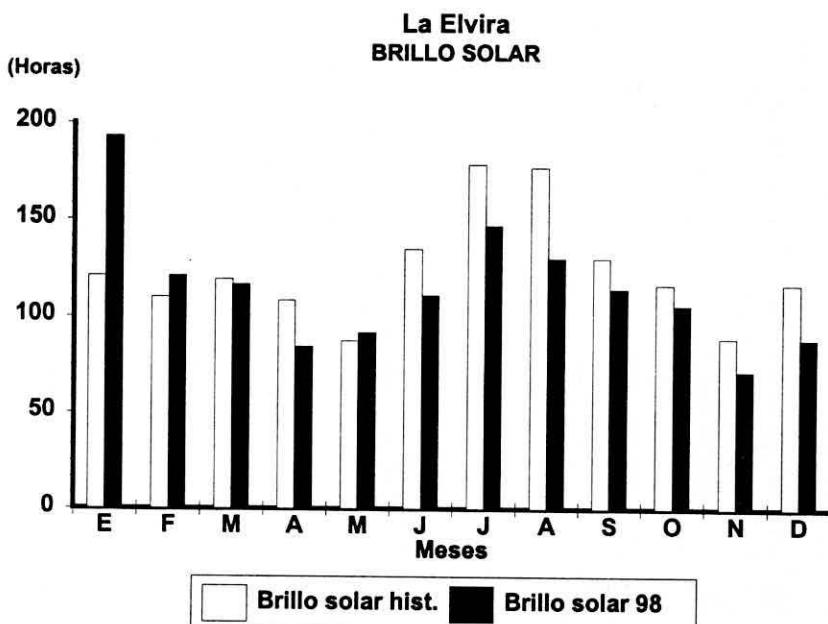
Nº Día	Enero			Febrero			Marzo			Brillo Sol.(h)	
	Precipitación (mm)			Precipitación (mm)			Precipitación (mm)				
	Día	Noche	Total	Día	Noche	Total	Día	Noche	Total		
1	8.1	0.0	8.1	4.1	0.0	0.0	9.1	0.0	9.0	6.5	
2	0.0	0.0	0.0	9.5	0.0	0.0	2.6	.7	0.0	3.0	
3	0.0	0.0	0.0	7.8	0.0	0.0	3.0	0.0	0.0	7.7	
4	0.0	7.1	7.1	9.3	0.0	0.0	5.8	0.0	0.0	7.1	
5	0.0	16.1	16.1	6.6	0.0	0.0	.6	2.1	0.0	2.1	
6	0.0	1.5	1.5	4.2	0.0	0.0	3.5	0.0	43.4	2.5	
7	15.0	0.0	15.0	1.5	12.8	22.9	35.7	1.3	.6	.7	
8	0.0	0.0	0.0	8.3	10.4	65.7	76.1	0.0	25.7	3.1	
9	0.0	0.0	0.0	7.9	5.0	24.3	29.3	2.2	9.5	2.5	
10	0.0	0.0	0.0	8.3	.2	.1	.3	.4	.7	4.3	
11	0.0	0.0	0.0	8.8	1.3	0.0	1.3	.4	1.5	0.0	
12	0.0	0.0	0.0	.7	0.0	0.0	0.0	3.7	0.0	0.0	
13	0.0	.3	.3	4.2	0.0	6.7	6.7	6.3	0.0	0.0	
14	.4	0.0	.4	1.4	0.0	6.4	6.4	3.5	0.0	0.0	
15	0.0	0.0	0.0	7.5	0.0	0.0	0.0	6.5	0.0	6.5	
16	0.0	0.0	0.0	6.6	0.0	0.0	0.0	8.1	0.0	0.0	
17	0.0	0.0	0.0	6.6	0.0	0.0	0.0	8.7	0.0	0.0	
18	0.0	0.0	0.0	8.4	3.5	0.0	3.5	7.5	0.0	0.0	
19	0.0	0.0	0.0	5.6	0.0	0.0	0.0	2.4	0.0	0.0	
20	.1	0.0	.1	2.2	0.0	0.0	0.0	4.7	0.0	5.8	
21	0.0	0.0	0.0	7.5	0.0	.2	.2	5.7	0.0	0.0	
22	0.0	0.0	0.0	9.0	0.0	3.4	3.4	5.1	0.0	10.3	
23	0.0	5.4	5.4	6.9	0.0	0.0	0.0	1.8	8.6	.3	
24	.4	7.7	8.1	5.8	0.0	0.0	0.0	3.3	0.0	0.0	
25	0.0	0.0	0.0	7.4	0.0	0.0	0.0	7.7	0.0	0.0	
26	0.0	0.0	0.0	7.2	0.0	0.0	0.0	7.5	.3	5.5	
27	0.0	2.0	2.0	5.2	0.0	19.4	19.4	5.7	0.0	10.5	
28	0.0	0.0	0.0	2.8	0.0	0.0	0.0	3.9	0.0	.7	
29	0.0	0.0	0.0	9.5					1.5	2.1	
30	0.0	8.9	8.9	3.9					4.0	.4	
31	0.0	0.0	0.0	8.5					0.0	.4	
	24.0	49.0	73.0	193.2	33.2	149.1	182.3	121.0	55.6	90.1	
									145.7	116.7	
Nº Día	Abril			Mayo			Junio			Brillo Sol.(h)	
	Precipitación (mm)			Precipitación (mm)							Precipitación (mm)
	Día	Noche	Total	Brillo Sol.(h)	Día	Noche	Total	Brillo Sol.(h)	Día		Noche
1	.2	3.0	3.2	4.9	.9	6.5	7.4	.2	11.3	8.0	
2	0.0	31.7	31.7	6.0	0.0	33.3	33.3	1.1	.1	2.4	
3	3.9	1.3	5.2	2.1	52.1	15.7	67.8	0.0	0.0	0.0	
4	0.0	0.0	0.0	5.4	3.1	5.6	8.7	1.4	0.0	4.7	
5	0.0	2.6	2.6	5.3	1.6	0.0	1.6	1.8	0.0	0.0	
6	.3	13.2	13.5	2.3	0.0	0.0	0.0	2.7	0.0	0.0	
7	0.0	.9	.9	3.8	0.0	0.0	0.0	3.5	0.0	0.0	
8	0.0	0.0	0.0	3.6	0.0	0.0	0.0	2.3	0.0	3.6	
9	0.0	0.0	0.0	1.5	0.0	0.0	0.0	3.7	0.0	2.7	
10	.5	5.4	5.9	2.9	0.0	10.7	10.7	4.2	0.0	1.4	
11	49.2	1.5	50.7	.5	0.0	10.0	10.0	2.2	0.0	0.0	
12	0.0	0.0	0.0	5.4	.7	.3	1.0	.6	0.0	0.0	
13	6.1	19.1	25.2	.7	0.0	0.0	0.0	5.9	0.0	0.0	
14	0.0	0.0	0.0	1.6	1.5	0.0	1.5	4.5	.2	14.6	
15	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	4.4	2.1	
16	0.0	0.0	0.0	3.2	0.0	0.0	0.0	7.0	22.6	1.6	
17	0.0	4.6	4.6	3.0	0.0	.2	.2	2.1	0.0	0.0	
18	0.0	1.2	1.2	3.2	0.0	0.0	0.0	8.1	0.0	0.0	
19	1.4	10.6	12.0	.1	0.0	0.0	0.0	5.8	0.0	0.0	
20	1.9	0.0	1.9	2.9	0.0	0.0	0.0	8.7	0.0	0.0	
21	0.0	.3	.3	2.0	0.0	0.0	0.0	7.5	0.0	36.9	
22	.9	0.0	.9	4.6	0.0	.6	.6	7.0	0.0	0.0	
23	0.0	1.0	1.0	0.0	0.0	0.0	0.0	.4	0.0	2.1	
24	.6	3.0	3.6	2.2	0.0	15.7	15.7	2.3	0.0	0.0	
25	0.0	22.0	22.0	2.6	.5	21.0	21.5	.5	0.0	0.0	
26	5.4	0.0	5.4	.2	40.8	23.9	64.7	1.8	0.0	0.0	
27	9.7	1.3	11.0	3.9	16.5	41.4	57.9	.5	0.0	2.5	
28	3.0	0.0	3.0	.1	67.6	49.9	117.5	.7	.3	1.6	
29	1.2	1.5	2.7	2.7	0.0	.4	.4	0.0	.1	.2	
30	3.8	1.2	5.0	2.4	0.0	0.0	0.0	2.2	0.0	0.0	
31					.1	7.4	7.5	2.9		9.0	
	88.1	125.4	213.5	84.3	185.4	242.6	428.0	91.6	39.0	84.2	
									123.2	111.0	

Estación : LA ELVIRA  
Año : 1998

Dpto. : RISARALDA  
Mpio. : BELEN DE UMBRIA

Latitud : 5 ° 12' N  
Longitud : 75 ° 52' W  
Altitud : 1520 m

Nº Día	Julio			Agosto			Septiembre			Brillo Sol.(h)	
	Precipitación (mm)			Brillo Sol.(h)	Precipitación (mm)			Brillo Sol.(h)	Precipitación (mm)		
	Día	Noche	Total		Día	Noche	Total		Día	Noche	Total
1	0.0	0.0	0.0	7.4	0.0	0.0	0.0	5.8	0.0	0.0	0.0
2	0.0	0.0	0.0	5.2	0.0	0.0	0.0	7.2	19.0	0.0	19.0
3	0.0	41.7	41.7	3.9	0.0	0.0	0.0	5.5	0.0	2.1	2.1
4	0.0	39.7	39.7	2.4	0.0	0.0	0.0	5.4	0.0	0.0	2.4
5	.1	5.2	5.3	1.9	0.0	6.4	6.4	.5	0.0	0.0	3.1
6	0.0	8.8	8.8	6.3	43.8	6.0	49.8	1.4	0.0	0.0	6.8
7	0.0	0.0	0.0	3.2	0.0	8.1	8.1	1.6	0.0	.3	2.8
8	0.0	4.5	4.5	2.7	.8	0.0	.8	2.8	9.5	0.0	9.5
9	0.0	14.4	14.4	3.4	6.8	0.0	6.8	5.5	4.9	0.0	4.9
10	0.0	0.0	0.0	4.0	0.0	16.8	16.8	6.3	20.7	0.0	20.7
11	.1	1.1	1.2	4.4	0.0	0.0	0.0	6.2	0.0	.2	.2
12	0.0	.4	.4	8.3	0.0	0.0	0.0	3.8	15.0	25.0	40.0
13	0.0	1.8	1.8	6.3	.9	3.5	4.4	2.6	0.0	.2	4.2
14	0.0	0.0	0.0	3.3	2.9	9.3	12.2	2.7	7.5	11.2	18.7
15	1.2	17.9	19.1	7.1	0.0	0.0	0.0	.2	0.0	0.0	3.0
16	0.0	27.1	27.1	3.0	.9	0.0	.9	3.1	0.0	0.0	7.8
17	.5	6.6	7.1	3.7	0.0	0.0	0.0	3.6	2.6	0.0	2.6
18	1.2	24.4	25.6	3.1	0.0	.2	.2	5.1	0.0	0.0	6.6
19	0.0	10.6	10.6	5.7	4.0	.4	4.4	3.3	14.0	.4	14.4
20	0.0	0.0	0.0	7.5	0.0	3.2	3.2	5.1	.5	0.0	.5
21	.1	11.7	11.8	5.4	.7	0.0	.7	4.5	.9	.8	1.7
22	7.9	0.0	7.9	2.2	0.0	0.0	0.0	4.4	3.8	.2	4.0
23	0.0	3.8	3.8	4.7	0.0	0.0	0.0	7.6	0.0	11.5	11.5
24	0.0	0.0	0.0	5.4	0.0	8.4	8.4	6.6	0.0	0.0	5.5
25	0.0	0.0	0.0	4.3	1.4	36.1	37.5	1.9	21.0	7.8	28.8
26	0.0	4.5	4.5	4.6	3.0	9.6	12.6	2.6	.4	28.8	29.2
27	0.0	3.7	3.7	5.5	0.0	0.0	0.0	5.1	0.0	.5	.5
28	0.0	7.5	7.5	5.6	0.0	0.0	0.0	7.3	3.8	.1	3.3
29	0.0	1.4	1.4	6.8	0.0	.2	.2	5.7	0.0	0.0	7.3
30	.6	0.0	.6	4.1	0.0	4.0	4.0	3.4	0.0	0.0	7.4
31	0.0	0.0	0.0	5.3	0.0	1.2	1.2	3.1			
	11.7	236.8	248.5	146.7	65.2	113.4	178.6	129.9	123.6	89.1	212.7
											114.3
Nº Día	Octubre			Noviembre			Diciembre			Brillo Sol.(h)	
	Precipitación (mm)			Brillo Sol.(h)	Precipitación (mm)			Brillo Sol.(h)	Precipitación (mm)		
	Día	Noche	Total		Día	Noche	Total		Día	Noche	Total
1	.1	0.0	.1	4.1	7.9	0.0	7.9	5.9	0.0	9.0	9.0
2	0.0	0.0	0.0	1.8	0.0	0.0	0.0	3.1	0.0	0.0	0.0
3	0.0	.5	.5	3.3	0.0	.2	.2	4.3	0.0	0.0	2.2
4	0.0	12.5	12.5	6.6	1.1	2.9	4.0	.1	0.0	0.0	.9
5	0.0	11.5	11.5	6.6	0.0	9.4	9.4	.3	5.8	0.0	5.8
6	.3	0.0	.3	3.1	4.0	25.0	29.0	3.0	1.5	2.7	4.2
7	2.1	0.0	2.1	1.1	1.1	0.0	1.1	.9	2.4	0.0	2.4
8	.5	.1	.6	4.2	4.7	0.0	4.7	2.8	0.0	5.6	5.6
9	0.0	0.0	0.0	2.4	0.0	9.4	9.4	3.7	0.0	0.0	5.9
10	0.0	.1	.1	7.1	0.0	2.9	2.9	5.6	0.0	4.4	4.4
11	0.0	0.0	0.0	4.7	0.0	6.3	6.3	3.8	1.3	1.1	2.0
12	0.0	0.0	0.0	1.8	.5	1.2	1.7	2.1	5.2	.5	5.7
13	14.2	0.0	14.2	.6	3.0	4.0	7.0	1.2	0.0	0.0	1.3
14	0.0	0.0	0.0	6.5	.5	0.0	.5	1.4	0.0	1.2	2.1
15	0.0	9.4	9.4	4.8	1.9	0.0	1.9	3.3	0.0	4.6	2.2
16	0.0	0.0	0.0	1.8	.5	0.0	.5	3.3	0.0	0.0	0.0
17	1.1	17.9	19.0	2.4	0.0	.1	.1	1.9	4.1	0.0	4.1
18	0.0	9.4	9.4	6.1	.4	8.4	8.8	1.8	0.0	1.9	4.0
19	8.5	0.0	8.5	2.3	1.0	.4	1.4	1.7	.4	0.0	.4
20	9.5	0.0	9.5	2.0	0.0	0.0	0.0	2.3	0.0	0.0	1.1
21	38.0	0.0	38.0	1.8	8.4	1.1	9.5	1.4	1.0	0.0	2.6
22	4.1	0.0	4.1	2.1	20.0	0.0	20.0	0.0	0.0	0.0	4.8
23	1.1	8.4	9.5	1.1	0.0	18.7	18.7	8.6	0.0	0.0	4.6
24	28.5	0.0	28.5	1.8	2.5	6.5	9.0	.2	0.0	0.0	3.5
25	7.3	11.6	18.9	2.2	.6	.2	.8	1.8	3.4	0.0	3.4
26	5.7	0.0	5.7	3.9	.9	0.0	.9	.2	.6	.2	3.1
27	0.0	1.0	1.0	5.0	0.0	9.2	9.2	1.0	0.0	0.0	4.9
28	0.0	0.0	0.0	5.9	8.6	.3	8.9	0.0	.4	0.0	2.7
29	0.0	.6	.6	5.2	1.7	0.0	1.7	2.2	0.0	0.0	1.6
30	1.0	0.0	1.0	1.8	32.8	0.0	32.8	3.8	0.0	0.0	4.0
31	10.7	.3	11.0	1.6				0.0	0.0	0.0	5.8
	132.7		83.3		216.0	105.7	102.1	106.2	208.3	71.7	26.1
										31.2	57.3
											88.2



Estación : AGUASBLANCAS  
Año : 1998

Dpto. : SANTANDER  
Mpio. : SAN VICENTE DE CHUCU

Latitud : 6 ° 50' N  
Longitud : 73 ° 29' W  
Altitud : 920 m

Nº Día	Enero			Febrero			Marzo			Brillo Sol.(h)	
	Precipitación ( mm )			Precipitación ( mm )			Precipitación ( mm )				
	Día	Noche	Total	Día	Noche	Total	Día	Noche	Total		
1	0.0	0.0	0.0	3.6	0.0	0.0	2.0	0.0	0.0	1.8	
2	0.0	0.0	0.0	4.4	0.0	0.0	9.1	0.0	0.0	.8	
3	0.0	0.0	0.0	6.6	6.0	2.2	8.2	4.8	0.0	3.7	
4	0.0	0.0	0.0	9.3	1.5	19.6	21.1	3.0	0.0	1.7	
5	.1	0.0	.1	8.3	0.0	0.0	0.0	2.9	2.4	0.0	
6	0.0	6.2	6.2	4.2	0.0	0.0	2.7	.9	0.0	5.9	
7	0.0	0.0	0.0	2.9	2.1	68.2	70.3	1.0	0.0	.6	
8	0.0	0.0	0.0	4.4	49.0	0.0	49.0	0.0	0.0	3.5	
9	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	3.6	
10	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	.3	5.8	
11	0.0	0.0	0.0	6.4	0.0	0.0	1.0	.8	0.0	4.1	
12	0.0	0.0	0.0	2.0	0.0	0.0	5.6	0.0	0.0	3.3	
13	9.7	0.0	9.7	5.8	0.0	0.0	3.7	0.0	0.0	2.7	
14	0.0	0.0	0.0	5.3	0.0	.1	.1	2.8	0.0	.7	
15	0.0	0.0	0.0	2.3	0.0	0.0	0.0	1.1	0.0	1.3	
16	0.0	26.3	26.3	8.4	0.0	0.0	0.0	3.4	0.0	1.7	
17	0.0	0.0	0.0	3.5	0.0	0.0	9.8	0.0	0.0	.9	
18	0.0	12.3	12.3	5.1	0.0	0.0	8.9	0.0	0.0	3.1	
19	0.0	.5	.5	7.2	0.0	5.3	5.3	5.8	0.0	.2	
20	0.0	0.0	0.0	2.3	.7	0.0	.7	3.8	0.0	2.3	
21	0.0	0.0	0.0	5.4	0.0	0.0	0.0	3.2	0.0	.6	
22	0.0	0.0	0.0	3.3	0.0	0.0	0.0	5.8	0.0	4.4	
23	0.0	.2	.2	6.5	0.0	0.0	2.7	0.0	0.0	.1	
24	0.0	3.0	3.0	6.2	15.3	3.4	18.7	.8	0.0	3.5	
25	0.0	0.0	0.0	5.8	0.0	0.0	0.0	3.7	.1	.4	
26	0.0	0.0	0.0	9.6	0.0	0.0	0.0	5.2	2.2	.5	
27	0.0	36.3	36.3	6.1	0.0	0.0	0.0	5.1	6.4	1.7	
28	1.9	0.0	1.9	0.0	0.0	0.0	0.0	3.1	0.0	51.7	
29	0.0	0.0	0.0	5.8					1.2	.5	
30	0.0	0.0	0.0	1.9					69.7	.3	
31	0.0	0.0	0.0	3.6					0.0	0.0	
	11.7	84.8	96.5	154.9	74.6	98.8	173.4	101.0	83.9	104.7	
									188.6	63.6	

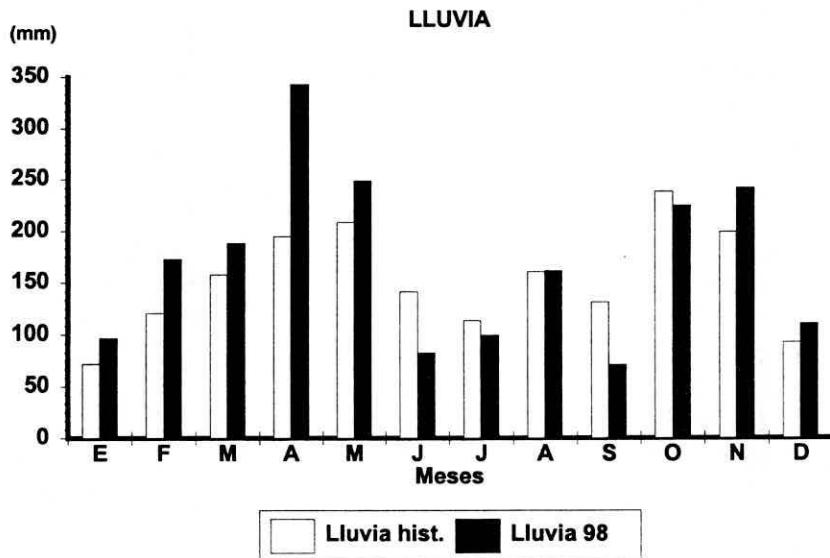
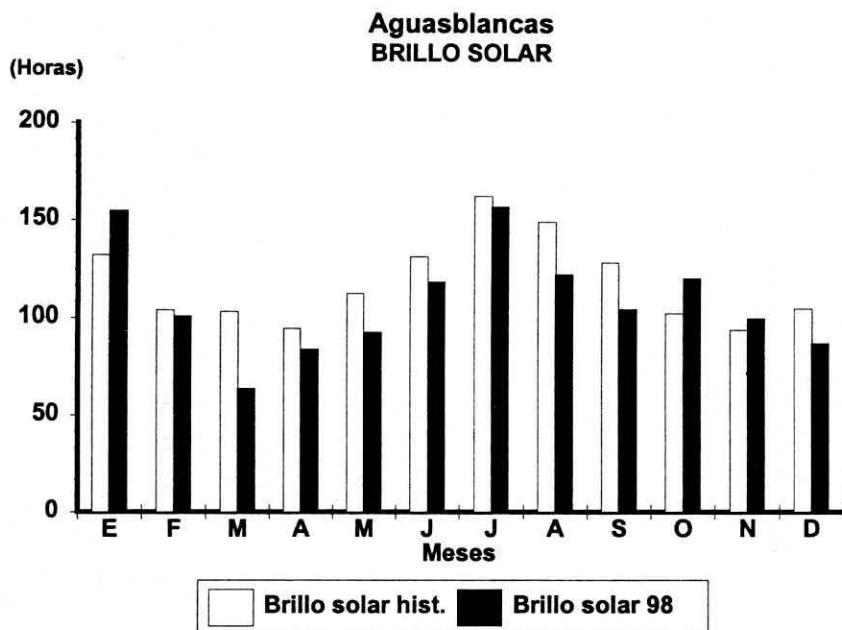
Nº Día	Abril			Mayo			Junio			Brillo Sol.(h)	
	Precipitación ( mm )			Precipitación ( mm )			Precipitación ( mm )				
	Día	Noche	Total	Día	Noche	Total	Día	Noche	Total		
1	0.0	56.5	56.5	3.1	.4	36.7	37.1	1.7	0.0	2.0	.3
2	9.1	23.3	32.4	.7	.1	.3	.4	0.0	0.0	.1	5.9
3	0.0	0.0	0.0	.1	0.0	10.2	10.2	.1	.0	.1	.2
4	.4	0.0	.4	1.4	9.2	6.1	15.3	1.2	2.0	3.6	3.8
5	0.0	0.0	0.0	5.5	53.4	0.0	53.4	.4	.2	0.0	3.7
6	0.0	.5	.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	7.0
7	1.0	0.0	1.0	2.5	0.0	0.0	0.0	.6	3.4	1.0	.8
8	0.0	0.0	0.0	3.4	0.0	0.0	0.0	4.3	.2	0.0	.4
9	0.0	1.4	1.4	4.5	15.5	0.0	15.5	4.7	1.8	.7	2.5
10	0.0	0.0	0.0	7.2	1.4	0.0	1.4	4.9	0.0	0.0	9.2
11	6.7	0.0	6.7	.3	3.2	4.9	8.1	5.6	6.2	0.0	5.2
12	.2	2.0	2.2	2.0	0.0	0.0	0.0	.3	7.9	0.0	6.8
13	7.2	53.6	60.8	2.0	0.0	0.0	0.0	8.8	0.0	0.0	5.2
14	25.2	0.0	25.2	1.6	0.0	3.6	3.6	7.9	0.0	22.6	6.4
15	0.0	0.0	0.0	6.9	0.0	0.0	0.0	.7	1.4	2.2	3.6
16	11.2	.5	11.7	2.9	.1	3.3	3.4	7.3	3.6	0.0	.7
17	0.0	0.0	0.0	3.5	1.5	1.3	2.8	.3	0.0	0.0	5.2
18	0.0	0.0	0.0	2.0	1.4	6.2	7.6	2.6	0.0	0.0	6.9
19	2.5	0.0	2.5	0.0	15.4	0.0	15.4	1.7	.2	6.8	7.0
20	.5	88.9	89.4	2.1	0.0	6.7	6.7	7.9	0.0	0.0	1.5
21	0.0	.7	.7	2.8	.5	0.0	.5	7.5	.1	1.9	5.6
22	.1	0.0	.1	1.3	0.0	2.8	2.8	8.5	1.0	0.0	.6
23	0.0	.8	.8	4.6	1.8	0.0	1.8	1.6	.6	0.0	1.7
24	.6	3.5	4.1	2.3	3.1	0.0	3.1	.4	0.0	0.0	3.1
25	0.0	2.8	2.8	5.1	13.6	1.1	14.7	.1	0.0	0.0	7.5
26	12.4	0.0	12.4	1.2	.3	1.4	1.7	.3	.1	.3	.4
27	.4	0.0	.4	4.0	.3	23.4	23.7	3.4	.6	0.0	.6
28	4.8	0.0	4.8	3.7	3.7	1.0	4.7	.2	7.4	0.0	1.0
29	0.0	0.0	0.0	4.0	.3	0.0	.3	.8	0.0	0.0	2.7
30	.9	25.4	26.3	1.7	0.0	0.0	0.0	5.4	4.6	0.0	4.6
31				0.0	15.1		15.1	3.5			7.5
	83.2	259.9	343.1	83.9	125.2	124.1	249.3	92.7	41.4	41.2	82.6
											118.5

Estación : AGUASBLANCAS  
Año : 1998

Dpto. : SANTANDER  
Mpio. : SAN VICENTE DE CHUCU

Latitud : 6 ° 50' N  
Longitud : 73 ° 29' W  
Altitud : 920 m

Nº Día	Julio			Agosto			Septiembre			Brillo Sol.(h)		
	Precipitación ( mm )			Precipitación ( mm )			Precipitación ( mm )					
	Día	Noche	Total	Día	Noche	Total	Día	Noche	Total			
1	0.0	0.0	0.0	9.8	9.1	0.0	9.1	4.5	.1	.3	.4	3.0
2	.5	11.9	12.4	7.8	0.0	0.0	0.0	6.9	6.1	4.2	10.3	.1
3	1.0	0.0	1.0	6.2	0.0	0.0	0.0	6.2	1.2	1.7	2.9	2.7
4	2.0	8.1	10.1	6.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	7.6
5	.7	0.0	.7	1.5	0.0	1.1	1.1	4.9	.2	0.0	.2	3.2
6	.5	0.0	.5	2.6	0.0	4.7	4.7	3.4	0.0	0.0	0.0	7.3
7	0.0	0.0	0.0	3.0	3.4	0.0	3.4	1.2	0.0	0.0	0.0	3.9
8	0.0	0.0	0.0	5.4	0.0	0.0	0.0	4.9	0.0	0.0	0.0	.4
9	0.0	0.0	0.0	4.0	.2	0.0	.2	4.2	0.0	0.0	0.0	4.0
10	0.0	0.0	0.0	2.4	0.0	0.0	0.0	5.6	1.8	2.4	4.2	4.2
11	.1	0.0	.1	5.1	0.0	0.0	0.0	4.8	0.0	0.0	0.0	.2
12	0.0	.3	.3	7.3	6.2	0.0	6.2	2.6	7.4	1.7	9.1	.6
13	8.0	0.0	8.0	5.5	0.0	0.0	0.0	4.2	0.0	0.0	0.0	5.6
14	3.6	0.0	3.6	5.5	0.0	6.0	6.0	4.6	.2	10.5	10.7	1.6
15	0.0	.3	.3	6.3	.7	0.0	.7	1.6	0.0	0.0	0.0	4.6
16	0.0	7.5	7.5	4.0	5.4	0.0	5.4	1.3	0.0	.2	.2	4.4
17	0.0	.2	.2	5.8	1.8	0.0	1.8	3.9	0.0	0.0	0.0	2.9
18	1.7	0.0	1.7	1.8	0.0	92.4	92.4	8.1	.4	0.0	.4	2.3
19	1.7	.1	1.8	3.5	1.0	2.8	3.8	3.7	0.0	0.0	0.0	5.4
20	0.0	0.0	0.0	9.2	0.0	0.0	0.0	4.7	4.4	0.0	4.4	4.1
21	0.0	.3	.3	7.3	0.0	.3	.3	4.2	7.7	0.0	7.7	.3
22	1.3	0.0	1.3	.4	0.0	0.0	0.0	2.7	0.0	0.0	0.0	2.6
23	.2	.5	.7	4.6	0.0	0.0	0.0	2.6	4.4	3.9	8.3	.9
24	0.0	0.0	0.0	4.0	0.0	0.0	0.0	3.7	1.2	0.0	1.2	3.2
25	0.0	0.0	0.0	4.1	5.0	5.0	10.0	3.5	1.1	0.0	1.1	3.9
26	.1	0.0	.1	7.5	0.0	.7	.7	.3	1.4	2.1	3.5	2.5
27	26.9	7.6	34.5	5.6	0.0	0.0	0.0	2.4	0.0	5.3	5.3	4.3
28	1.2	0.0	1.2	6.2	0.0	0.0	0.0	7.7	0.0	0.0	0.0	8.0
29	.8	0.0	.8	6.3	0.0	.7	.7	5.6	1.1	.4	1.5	4.0
30	12.1	0.0	12.1	4.2	0.0	2.9	2.9	3.5	0.0	0.0	0.0	6.7
31	.2	.2	.4	3.9	12.5	.3	12.8	1.1				
	62.6	37.0	99.6	156.8	45.3	116.9	162.2	122.3	38.7	32.7	71.4	104.5
Nº Día	Octubre			Noviembre			Diciembre			Brillo Sol.(h)		
	Precipitación ( mm )			Precipitación ( mm )			Precipitación ( mm )					
	Día	Noche	Total	Brillo Sol.(h)	Día	Noche	Total	Brillo Sol.(h)	Día	Noche	Total	Brillo Sol.(h)
1	.3	0.0	.3	4.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	1.5
2	11.0	0.0	11.0	1.6	0.0	0.0	0.0	3.3	0.0	0.0	0.0	4.5
3	0.0	1.2	1.2	1.2	0.0	0.0	0.0	1.4	0.0	0.0	0.0	4.2
4	0.0	.2	.2	3.5	3.5	0.0	3.5	3.7	0.0	0.0	0.0	1.6
5	0.0	3.2	3.2	4.0	0.0	.5	.5	5.3	.6	2.1	2.7	1.2
6	0.0	4.6	4.6	3.6	.9	19.3	20.2	2.0	.1	7.1	7.2	4.4
7	0.0	6.5	6.5	2.8	.2	0.0	.2	.8	.2	0.0	.2	1.0
8	0.0	68.7	68.7	3.3	0.0	0.0	0.0	4.9	0.0	19.3	19.3	.7
9	0.0	.1	.1	.3	.8	0.0	.8	3.6	4.6	.4	5.0	1.4
10	0.0	0.0	0.0	6.9	0.0	0.0	0.0	5.7	0.0	0.0	0.0	1.2
11	0.0	3.6	3.6	7.4	0.0	53.7	53.7	5.7	.5	3.9	4.4	1.0
12	0.0	41.3	41.3	6.1	0.0	19.6	19.6	2.5	0.0	0.0	0.0	.3
13	0.0	0.0	0.0	3.5	0.0	1.5	1.5	2.2	.1	.8	.9	2.3
14	0.0	0.0	0.0	4.6	.4	.6	1.0	.6	1.7	0.0	1.7	1.9
15	.6	.1	.7	4.0	7.1	0.0	7.1	4.1	.8	0.0	.8	2.0
16	.5	0.0	.5	1.1	0.0	.5	.5	3.7	.2	0.0	.2	3.6
17	0.0	13.1	13.1	8.8	0.0	0.0	0.0	2.6	0.0	0.0	0.0	2.3
18	0.0	.7	.7	4.3	0.0	17.3	17.3	1.9	0.0	0.0	0.0	4.8
19	0.0	0.0	0.0	1.9	.7	10.1	10.8	5.7	0.0	0.0	0.0	4.3
20	.9	0.0	.9	3.4	0.0	.6	.6	2.6	0.0	0.0	0.0	6.4
21	13.4	6.1	19.5	.3	13.8	0.0	13.8	1.8	0.0	19.6	19.6	2.7
22	0.0	3.9	3.9	3.8	55.7	0.0	55.7	.3	0.0	0.0	0.0	5.2
23	19.6	0.0	19.6	5.5	0.0	0.0	0.0	3.5	0.0	22.2	22.2	4.4
24	2.5	4.1	6.6	6.6	0.0	0.0	0.0	3.6	0.0	0.0	0.0	3.6
25	0.0	0.0	0.0	3.3	0.0	1.1	1.1	5.0	23.7	0.0	23.7	5.4
26	0.0	0.0	0.0	5.6	1.9	0.0	1.9	4.4	2.3	0.0	2.3	.2
27	.1	12.2	12.3	6.6	3.6	0.0	3.6	1.5	0.0	0.0	0.0	5.3
28	0.0	0.0	0.0	4.7	0.0	0.0	0.0	5.0	.7	0.0	.7	3.7
29	0.0	0.0	0.0	1.9	0.0	29.3	29.3	5.6	0.0	0.0	0.0	2.3
30	3.3	.7	4.0	2.7	0.0	0.0	0.0	3.8	.1	0.0	.1	1.2
31	.4	2.5	2.9	2.9				0.0	0.0	0.0	0.0	2.4
	52.6	172.8	225.4	120.2	88.6	154.1	242.7	99.9	35.6	75.4	111.0	87.0



Estación : LUIS BUSTAMANTE  
Año : 1998

Dpto. : TOLIMA  
Mpio. : VILLARRICA

Latitud : 3 ° 55 ' N  
Longitud : 74 ° 34 ' W  
Altitud : 1610 m

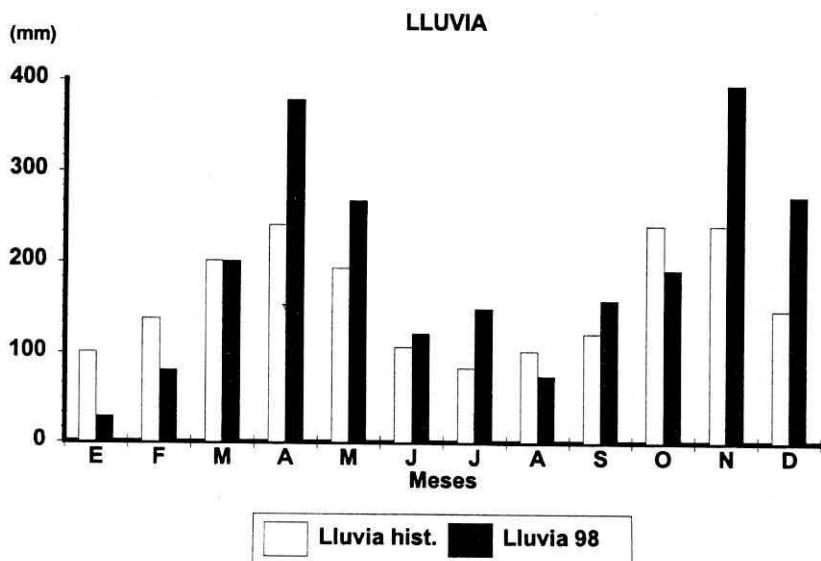
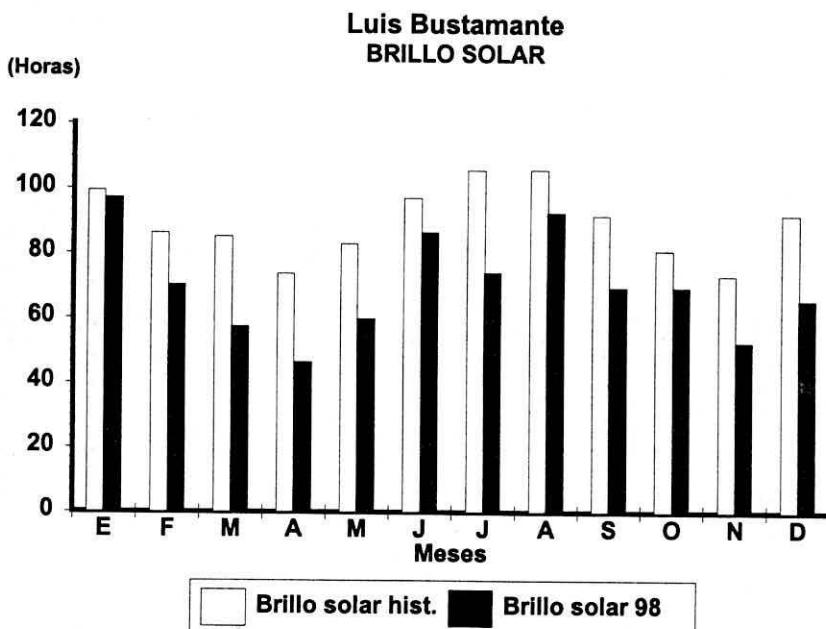
Nº Día	Enero			Febrero			Marzo			Brillo Sol.(h)		
	Precipitación ( mm )			Precipitación	( mm )	Brillo	Precipitación	( mm )	Brillo			
	Día	Noche	Total	Sol.(h)	Día	Noche	Total	Sol.(h)	Día	Noche	Total	
1	14.1	0.0	14.1	4.4	1.0	0.0	1.0	3.8	.6	5.0	5.6	2.3
2	0.0	0.0	0.0	2.2	10.4	0.0	10.4	3.8	9.9	0.0	9.9	1.0
3	0.0	0.0	0.0	5.1	0.0	0.0	0.0	5.4	0.0	0.0	0.0	1.2
4	0.0	0.0	0.0	7.1	0.0	0.0	0.0	.8	.2	0.0	.2	4.4
5	0.0	0.0	0.0	3.3	0.0	0.0	0.0	2.1	0.0	1.2	1.2	1.4
6	0.0	0.0	0.0	2.2	0.0	0.0	0.0	.1	2.6	0.0	2.6	1.0
7	0.0	0.0	0.0	1.7	2.8	23.0	25.8	1.7	1.0	0.0	1.0	2.0
8	0.0	0.0	0.0	3.2	5.6	0.0	5.6	.6	.1	0.0	.1	2.0
9	0.0	0.0	0.0	5.0	18.0	2.2	20.2	.1	.1	0.0	.1	1.7
10	0.0	0.0	0.0	2.2	1.8	0.0	1.8	0.0	0.0	0.0	0.0	4.8
11	0.0	0.0	0.0	1.2	.3	0.0	.3	0.0	4.2	0.0	4.2	2.6
12	9.7	0.0	9.7	.1	1.4	0.0	1.4	.3	3.9	13.5	17.4	1.9
13	0.0	0.0	0.0	4.1	1.9	2.7	4.6	.7	0.0	1.8	1.8	3.2
14	.3	.1	.4	4.7	2.7	.1	2.8	2.6	1.9	0.0	1.9	6.3
15	.8	0.0	.8	2.7	4.5	0.0	4.5	.9	.2	0.0	.2	.1
16	0.0	0.0	0.0	4.2	0.0	0.0	0.0	8.1	0.0	.1	.1	1.5
17	.2	0.0	.2	1.8	0.0	0.0	0.0	7.4	0.0	0.0	0.0	2.0
18	0.0	0.0	0.0	2.8	0.0	0.0	0.0	4.1	0.0	0.0	0.0	4.3
19	0.0	0.0	0.0	3.3	0.0	0.0	0.0	4.0	1.9	0.0	1.9	3.0
20	0.0	0.0	0.0	.4	0.0	0.0	0.0	2.1	2.0	0.0	2.0	0.0
21	.3	0.0	.3	3.3	0.0	0.0	0.0	2.3	.2	0.0	.2	.8
22	0.0	0.0	0.0	4.9	0.0	0.0	0.0	2.7	5.8	0.0	5.8	2.6
23	0.0	0.0	0.0	4.2	2.4	0.0	2.4	1.2	6.3	.7	7.0	0.0
24	0.0	0.0	0.0	4.6	0.0	0.0	0.0	1.2	22.4	0.0	22.4	1.6
25	0.0	0.0	0.0	5.3	0.0	0.0	0.0	2.7	.5	0.0	.5	0.0
26	0.0	0.0	0.0	3.4	0.0	0.0	0.0	5.6	0.0	26.0	26.0	1.0
27	0.0	0.0	0.0	1.1	0.0	0.0	0.0	2.8	3.1	.8	3.9	3.3
28	1.9	0.0	1.9	.9	0.0	.3	.3	3.3	20.6	0.0	20.6	0.0
29	0.0	0.0	0.0	2.2					10.6	13.9	24.5	1.3
30	.9	0.0	.9	2.0					15.0	18.4	33.4	.1
31	.6	0.0	.6	3.6					7.0	.1	7.1	.1
	28.8	.1	28.9	97.2	52.8	28.3	81.1	70.4	120.1	81.5	201.6	57.5
Abril			Mayo			Junio			Brillo Sol.(h)			
Nº Día	Precipitación ( mm )			Precipitación	( mm )	Brillo	Precipitación	( mm )	Brillo	Día	Noche	Total
	Día	Noche	Total	Sol.(h)	Día	Noche	Total	Sol.(h)	Día	Noche	Total	Brillo
1	10.4	0.0	10.4	.4	31.5	15.0	46.5	.1	4.7	0.0	4.7	1.1
2	.7	.1	.8	.4	.4	1.7	2.1	.9	1.3	12.8	14.1	3.5
3	6.6	21.7	28.3	2.2	21.8	6.7	28.5	0.0	11.4	0.0	11.4	.3
4	4.6	0.0	4.6	.6	9.3	0.0	9.3	0.0	17.5	0.0	17.5	1.7
5	5.9	7.6	13.5	4.6	17.8	3.8	21.6	.5	3.0	0.0	3.0	1.1
6	41.8	.2	42.0	.3	13.0	0.0	13.0	1.2	0.0	0.0	0.0	5.1
7	.3	0.0	.3	2.8	.3	.8	1.1	4.7	1.0	0.0	1.0	1.3
8	1.5	0.0	1.5	.5	.3	32.2	32.5	.4	4.5	0.0	4.5	2.0
9	1.5	0.0	1.5	.9	2.1	0.0	2.1	1.2	0.0	0.0	0.0	5.0
10	0.0	0.0	0.0	2.6	13.3	.3	13.6	1.6	0.0	0.0	0.0	6.0
11	0.0	0.0	0.0	.7	11.4	0.0	11.4	1.3	.3	1.2	1.5	4.9
12	.9	28.8	29.7	.7	1.5	0.0	1.5	1.0	0.0	0.0	0.0	3.9
13	34.3	37.2	71.5	1.1	0.0	0.0	0.0	7.0	0.0	0.0	0.0	7.0
14	0.0	0.0	0.0	1.3	0.0	.8	.8	6.4	.5	1.5	2.0	1.5
15	18.2	0.0	18.2	4.7	0.0	0.0	0.0	0.0	33.0	.5	33.5	0.0
16	0.0	0.0	0.0	.9	2.2	0.0	2.2	4.7	1.5	0.0	1.5	2.7
17	4.2	38.2	42.4	1.7	12.8	5.6	18.4	0.0	0.0	0.0	0.0	3.9
18	.6	18.5	19.1	1.3	1.6	0.0	1.6	.2	0.0	.4	.4	6.2
19	29.8	9.2	39.0	0.0	0.0	0.0	0.0	2.6	3.0	0.0	3.0	1.6
20	.6	0.0	.6	3.4	0.0	0.0	0.0	5.4	3.5	.1	3.6	1.2
21	20.5	0.0	20.5	1.9	0.0	.1	.1	6.0	0.0	4.1	4.1	3.3
22	14.2	0.0	14.2	1.0	0.0	0.0	0.0	4.8	2.5	.5	3.0	1.5
23	3.4	0.0	3.4	.5	5.7	0.0	5.7	.1	1.5	0.0	1.5	.5
24	2.0	0.0	2.0	2.1	1.1	0.0	1.1	1.0	0.0	0.0	0.0	2.6
25	5.1	1.1	6.2	4.5	0.0	2.4	2.4	1.4	0.0	0.0	0.0	3.4
26	5.2	0.0	5.2	0.0	6.6	0.0	6.6	.8	0.0	.1	.1	3.4
27	.8	0.0	.8	1.3	6.2	3.0	9.2	1.7	8.6	0.0	8.6	0.0
28	0.0	0.0	0.0	1.6	31.0	0.0	31.0	.3	3.0	0.0	3.0	2.2
29	2.7	0.0	2.7	.6	0.0	0.0	0.0	.2	0.0	0.0	0.0	2.6
30	.1	0.0	.1	2.0	1.1	.1	1.2	0.0	0.0	0.0	0.0	7.1
31				4.5	.1	4.6	4.4					
	215.9	162.6	378.5	46.6	195.5	72.6	268.1	59.9	100.8	21.2	122.0	86.6

Estación : LUIS BUSTAMANTE  
Año : 1998

Dpto. : TOLIMA  
Mpio. : VILLARRICA

Latitud : 3 ° 55' N  
Longitud : 74 ° 34' W  
Altitud : 1610 m

Nº Día	Julio			Agosto			Septiembre			Brillo Sol.(h)	
	Precipitación (mm)			Precipitación (mm)			Precipitación (mm)				
	Día	Noche	Total	Día	Noche	Total	Día	Noche	Total		
1	0.0	0.0	0.0	4.3	0.0	0.0	0.0	.5	0.0	0.0	
2	.2	0.0	.2	1.1	.4	0.0	.4	2.8	.8	1.0	
3	2.1	0.0	2.1	2.4	0.0	0.0	0.0	5.7	9.0	1.3	
4	4.5	0.0	4.5	.6	.4	0.0	.4	2.7	0.0	.1	
5	61.6	0.0	61.6	0.0	0.0	.7	.7	4.0	.8	2.4	
6	9.6	0.0	9.6	.6	2.9	.1	3.0	.6	0.0	3.0	
7	.9	0.0	.9	.6	9.1	0.0	9.1	1.2	.4	7.5	
8	3.3	2.7	6.0	4.5	.3	0.0	.3	4.2	2.0	6.0	
9	.8	1.3	2.1	.4	0.0	0.0	0.0	7.2	0.0	0.0	
10	.5	.2	.7	1.2	2.7	2.4	5.1	2.9	0.0	2.9	
11	1.3	0.0	1.3	1.2	.6	0.0	.6	4.1	4.7	0.0	
12	0.0	0.0	0.0	3.8	.9	0.0	.9	.3	23.9	0.0	
13	.5	0.0	.5	3.8	1.4	0.0	1.4	2.7	10.1	2.5	
14	6.4	0.0	6.4	3.3	2.2	0.0	2.2	3.3	11.5	12.6	
15	1.7	4.1	5.8	3.3	4.0	0.0	4.0	.7	2.4	13.9	
16	0.0	0.0	0.0	2.1	0.0	0.0	0.0	.8	0.0	.8	
17	.3	4.8	5.1	1.2	2.1	0.0	2.1	2.8	26.3	0.0	
18	7.0	6.7	13.7	1.7	0.0	0.0	0.0	.7	13.0	13.8	
19	2.1	.5	2.6	1.4	1.7	0.0	1.7	3.3	0.0	0.0	
20	0.0	0.0	0.0	7.3	2.7	0.0	2.7	1.2	.2	.7	
21	.5	0.0	.5	5.5	.4	1.6	2.0	2.3	6.1	1.6	
22				.5	2.2	0.0	2.2	4.1	4.5	.2	
23				3.3	13.4	0.0	13.4	1.8	12.1	12.2	
24				2.7	.5	0.0	.5	5.7	0.0	0.0	
25				3.7	17.7	1.3	19.0	2.7	0.0	0.0	
26				1.7	0.0	0.0	0.0	.7	10.0	.1	
27	3.0	1.0	4.0	3.2	.3	0.0	.3	1.8	3.1	0.0	
28	3.6	.2	3.8	3.3	0.0	0.0	0.0	6.2	1.3	0.0	
29	.3	.1	.4	1.6	.1	1.0	1.1	6.5	0.0	0.0	
30	18.0	0.0	18.0	1.1	2.4	0.0	2.4	1.1	0.0	0.0	
31	0.0	0.0	0.0	2.9	0.0	0.0	0.0	1.4	0.0	2.5	
				74.3	68.4	7.1	75.5	92.8	137.8	21.2	
										159.0	
										69.8	
Nº Día	Octubre			Noviembre			Diciembre			Brillo Sol.(h)	
	Precipitación (mm)			Precipitación (mm)			Precipitación (mm)				
	Día	Noche	Total	Día	Noche	Total	Día	Noche	Total		
1	0.0	.5	.5	2.5	.8	0.0	.8	5.0	0.0	.4	
2	1.0	0.0	1.0	1.6	.7	0.0	.7	3.6	4.7	21.9	
3	8.0	0.0	8.0	3.0	2.4	0.0	2.4	1.8	15.5	19.2	
4	.3	.8	1.1	4.1	17.4	0.0	17.4	2.4	44.9	.9	
5	.3	0.0	.3	.7	4.0	2.6	6.6	1.7	0.0	44.9	
6	2.0	0.0	2.0	.2	.5	0.0	.5	0.0	.5	2.6	
7	1.5	1.4	2.9	.8	1.7	0.0	1.7	.2	11.2	11.7	
8	1.6	0.0	1.6	.7	.3	8.1	8.4	3.4	.6	8.2	
9	0.0	0.0	0.0	.3	.2	11.8	12.0	1.7	2.0	10.9	
10	.2	0.0	.2	6.2	2.0	0.0	2.0	2.4	13.8	.4	
11	0.0	0.0	0.0	6.6	.2	0.0	.2	1.1	4.8	16.9	
12	.2	0.0	.2	4.6	2.4	0.0	2.4	2.9	.9	7.3	
13	9.5	0.0	9.5	.5	2.5	0.0	2.5	.3	0.0	.9	
14	0.0	6.4	6.4	4.3	7.4	0.0	7.4	0.0	0.0	.6	
15	2.0	3.8	5.6	1.3	24.6	0.0	24.6	2.3	2.8	0.0	
16	.4	0.0	.4	2.5	0.0	0.0	0.0	1.6	0.0	0.0	
17	3.9	.1	4.0	2.2	4.2	0.0	4.2	.6	31.3	1.2	
18	0.0	0.0	0.0	2.6	.7	0.0	.7	1.4	.1	3.2	
19	1.2	0.0	1.2	.8	.7	0.0	.7	4.0	4.2	0.0	
20	.2	1.0	1.2	.6	0.0	0.0	0.0	.5	11.4	4.2	
21	33.1	0.0	33.1	.7	1.2	69.3	70.5	1.0	0.0	11.4	
22	3.3	0.0	3.3	4.1	.7	.6	1.3	.3	6.9	7.2	
23	5.6	22.1	27.7	2.9	0.0	4.6	4.6	4.8	0.0	5.1	
24	2.3	13.3	15.6	3.1	6.9	4.8	11.7	.1	0.0	5.1	
25	1.0	.9	1.9	1.0	.2	33.5	33.7	2.5	4.6	4.0	
26	7.5	0.0	7.5	3.8	.2	17.5	17.7	1.3	0.0	4.6	
27	.9	.8	1.7	3.4	.2	22.4	22.6	.9	24.9	1.8	
28	1.1	37.9	39.0	1.7	9.4	72.6	82.0	.1	0.0	24.9	
29	14.0	.2	14.2	1.9	10.3	15.3	25.6	2.5	15.6	3.4	
30	0.0	0.0	0.0	.1	1.3	29.4	30.7	2.4	2.1	2.3	
31	2.2	0.0	2.2	1.0				.5	0.0	1.4	
	103.3	89.0	192.3	69.8	103.1	292.5	395.6	52.8	185.4	273.0	
										65.9	



Estación : IRCO DOSAGUAS  
Año : 1998

Dpto. : TOLIMA  
Mpio. : CHAPARRAL

Latitud : 3 ° 40 ' N  
Longitud : 75 ° 37 ' W  
Altitud : 1250 m

Nº Día	Enero			Febrero			Marzo			Brillo Sol.(h)	
	Precipitación ( mm )			Precipitación ( mm )			Precipitación ( mm )				
	Día	Noche	Total	Día	Noche	Total	Día	Noche	Total		
1			2.2			7.8	10.4	7.9	18.3	5.4	
2			2.5			5.6	3.7	0.0	3.7	0.0	
3			4.2			5.2	0.0	0.0	0.0	2.1	
4			4.4			4.6	.1	0.0	.1	1.5	
5			3.6			2.1	0.0	9.2	9.2	2.1	
6			2.6			6.5	0.0	.4	.4	3.3	
7			1.5			1.8	0.0	1.9	1.9	3.4	
8			4.8			1.0	0.0	0.0	0.0	.9	
9			5.5			.2	0.0	0.0	0.0	.4	
10			1.3			1.6	0.0	2.7	2.7	.3	
11			3.5			2.1	0.0	27.7	27.7	1.6	
12			2.4			2.9	0.0	90.1	90.1	4.0	
13			6.5			4.1	1.7	16.5	18.2	4.3	
14			3.3			6.4	0.0	0.0	0.0	7.4	
15			3.7			6.4	0.0	0.0	0.0	5.8	
16			8.0			8.1	11.5	10.3	21.8	3.5	
17			4.3			9.7	0.0	0.0	0.0	4.7	
18			5.4			5.0	0.0	0.0	0.0	5.1	
19			5.9			3.7	0.0	0.0	0.0	8.0	
20			3.4			2.4	0.0	0.0	0.0	0.0	
21			6.4			2.8	0.0	0.0	0.0	5.9	
22			8.2			6.6	0.0	.4	.4	8.5	
23			9.3	0.0	5.5	5.5	4.1	0.0	47.1	47.1	
24			8.9	2.3	0.0	2.3	1.9	5.0	0.0	5.0	
25			8.1	.5	0.0	.5	5.2	0.0	0.0	.4	
26			3.5	0.0	33.0	33.0	7.9	0.0	0.0	1.2	
27			2.3	.3	0.0	.3	5.1	0.0	9.3	9.3	
28			2.9	0.0	2.3	2.3	8.1	11.2	35.5	46.7	
29			7.1					0.0	0.0	2.8	
30			7.9					67.4	12.4	79.8	
31			4.5					5.0	26.0	31.0	
				148.1			128.9	116.0	297.4	413.4	
										94.5	

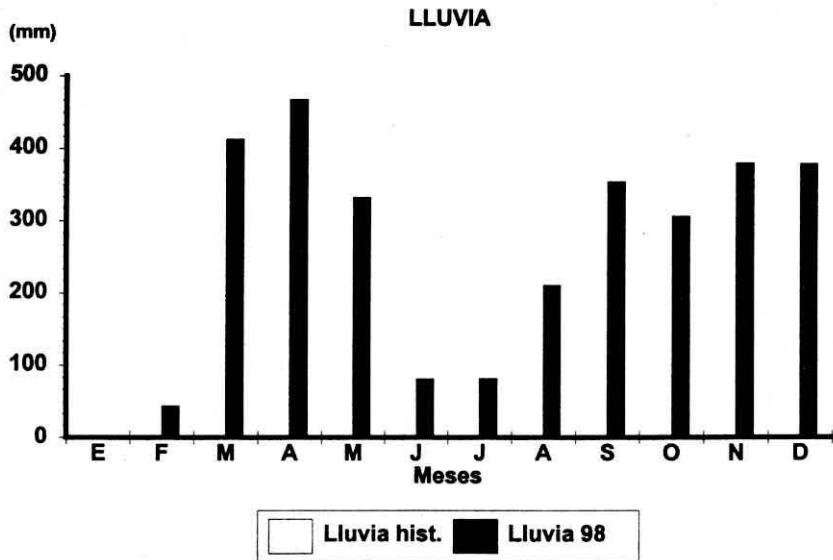
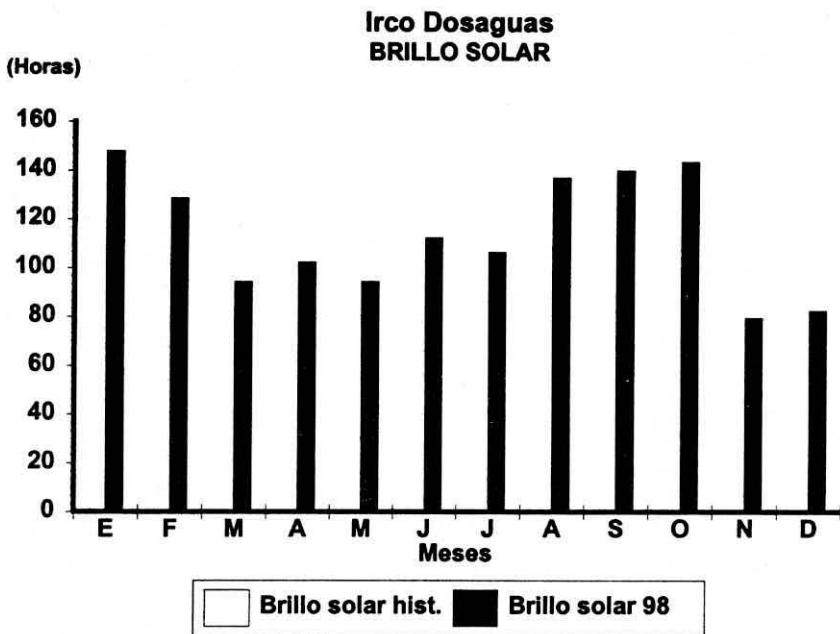
Nº Día	Abril			Mayo			Junio			Brillo Sol.(h)	
	Precipitación ( mm )			Precipitación ( mm )			Precipitación ( mm )				
	Día	Noche	Total	Día	Noche	Total	Día	Noche	Total		
1	23.6	0.0	23.6	1.8	16.7	10.7	27.4	1.3	8.8	5.5	
2	0.0	0.0	0.0	1.5	0.0	42.2	42.2	.1	.7	.8	
3	0.0	0.0	0.0	2.8	7.9	82.5	90.4	.9	0.0	.9	
4	0.0	6.1	6.1	6.4	0.0	1.3	1.3	.9	0.0	1.2	
5	0.0	10.1	10.1	9.2	7.3	13.6	20.9	.4	0.0	0.0	
6	4.7	23.3	28.0	4.0	1.9	0.0	1.9	0.0	0.0	0.0	
7	0.0	31.2	31.2	7.3	0.0	.4	.4	1.9	0.0	3.2	
8	.7	0.0	.7	2.2	0.0	4.9	4.9	5.2	.2	2.2	
9	0.0	0.0	0.0	1.1	.5	0.0	.5	3.2	0.0	10.0	
10	0.0	54.0	54.0	6.1	0.0	11.5	11.5	6.0	0.0	7.0	
11	0.0	0.0	0.0	.2	0.0	.9	.9	5.0	0.0	2.0	
12	0.0	9.8	9.8	3.2	1.0	0.0	1.0	1.3	0.0	0.0	
13	6.3	.3	6.6	.2	0.0	0.0	0.0	7.8	0.0	7.4	
14	1.7	0.0	1.7	1.8	0.0	9.9	9.9	7.2	0.0	1.3	
15	.5	63.8	64.3	0.0	0.0	0.0	0.0	.9	.5	.6	
16	2.0	14.0	16.0	5.6	0.0	0.0	0.0	7.2	0.0	6.5	
17	0.0	3.0	3.0	3.0	2.9	2.3	5.2	.3	0.0	0.0	
18	4.0	27.2	31.2	3.7	0.0	0.0	0.0	.5	0.0	0.0	
19	0.0	7.3	7.3	.9	0.0	0.0	0.0	4.3	0.0	1.8	
20	4.5	5.8	10.3	6.1	0.0	0.0	0.0	8.7	0.0	0.0	
21	1.9	1.7	3.6	4.0	0.0	0.0	0.0	2.5	0.0	0.0	
22	.3	0.0	.3	2.2	0.0	0.0	0.0	7.6	0.0	47.3	
23	.1	0.0	.1	4.1	0.0	0.0	0.0	1.4	.3	.6	
24	0.0	48.9	48.9	1.4	0.0	0.0	0.0	3.0	0.0	5.2	
25	2.7	40.1	42.8	8.5	0.0	21.0	21.0	1.6	0.0	.8	
26	0.0	11.9	11.9	1.4	2.6	16.2	18.8	2.3	0.0	0.0	
27	3.6	21.2	24.8	4.3	25.6	8.0	33.6	1.0	0.0	1.3	
28	1.2	0.0	1.2	2.2	36.3	3.7	40.0	1.6	.2	.3	
29	0.0	11.5	11.5	4.4	0.0	0.0	0.0	.7	0.0	0.0	
30	0.0	19.2	19.2	3.0	.3	1.0	1.3	5.4	0.0	0.0	
31				0.0	0.0	0.0	0.0	.2		7.4	
	57.8	410.4	468.2	102.6	103.0	230.1	333.1	94.6	11.0	70.6	
										81.6	
										112.8	

Estación : IRCO DOSAGUAS  
Año : 1998

Dpto. : TOLIMA  
Mpio. : CHAPARRAL

Latitud : 3 ° 40' N  
Longitud : 75 ° 37' W  
Altitud : 1250 m

Nº Día	Julio			Agosto			Septiembre			Brillo Sol.(h)		
	Precipitación (mm)			Precipitación (mm)			Precipitación (mm)					
	Día	Noche	Total	Día	Noche	Total	Día	Noche	Total			
1	0.0	0.0	0.0	4.2	0.0	0.0	0.0	4.7	0.0	0.0		
2	0.0	0.0	0.0	.7	0.0	0.0	0.0	2.5	2.0	2.0		
3	0.0	0.0	0.0	3.6	.6	0.0	.6	4.6	18.0	2.0		
4	9.1	6.3	15.4	6.1	0.0	0.0	0.0	1.5	0.0	1.8		
5	.8	.5	1.3	0.0	0.0	85.3	85.3	7.2	0.0	0.0		
6	0.0	0.0	0.0	1.8	.5	4.6	5.1	1.1	0.0	0.0		
7	0.0	.1	.1	1.6	0.0	20.0	20.0	6.1	0.0	92.1		
8	.1	34.2	34.3	4.9	6.6	0.0	6.6	4.3	8.0	56.6		
9	.8	.8	1.6	3.7	0.0	14.1	14.1	8.5	3.8	6.6		
10	2.5	.7	3.2	1.3	.3	10.5	10.8	2.4	0.0	3.2		
11	0.0	0.0	0.0	2.1	.5	0.0	.5	6.5	0.0	1.6		
12	0.0	.3	.3	4.4	0.0	0.0	0.0	2.9	10.6	0.0		
13	0.0	0.0	0.0	1.6	0.0	0.0	0.0	1.1	2.5	66.8		
14	0.0	0.0	0.0	5.8	0.0	0.0	0.0	7.5	0.0	0.0		
15	0.0	3.2	3.2	2.2	1.0	0.0	1.0	3.0	17.7	0.0		
16	2.0	6.8	8.8	2.2	0.0	0.0	0.0	2.3	0.0	0.0		
17	0.0	0.0	0.0	2.6	0.0	0.0	0.0	6.5	0.0	6.1		
18	0.0	10.8	10.8	.8	0.0	10.2	10.2	3.9	.4	42.6		
19	0.0	.3	.3	1.9	13.5	1.9	15.4	2.9	.5	0.0		
20	0.0	0.0	0.0	4.2	0.0	3.2	3.2	5.7	0.0	.1		
21	0.0	0.0	0.0	5.5	0.0	31.4	31.4	4.6	0.0	0.0		
22	.8	0.0	.8	7.6	0.0	0.0	0.0	3.0	0.0	2.0		
23	0.0	0.0	0.0	1.8	0.0	0.0	0.0	5.2	.4	0.0		
24	0.0	0.0	0.0	2.8	0.0	0.0	0.0	8.8	0.0	0.0		
25	0.0	1.9	1.9	.5	0.0	.5	.5	4.6	0.0	0.0		
26	0.0	0.0	0.0	6.4	2.6	0.0	2.6	6.6	0.0	1.1		
27	0.0	0.0	0.0	9.2	3.8	0.0	3.8	2.4	0.0	4.2		
28	0.0	.1	.1	5.5	0.0	0.0	0.0	7.5	.3	8.9		
29	0.0	0.0	0.0	5.3	0.0	.3	.3	6.8	0.0	9.2		
30	0.0	0.0	0.0	1.4	0.0	0.0	0.0	1.5	0.0	.2		
31	0.0	0.0	0.0	5.0	0.0	0.0	0.0	1.1	0.0	0.0		
	16.1	66.0	82.1	106.7	29.4	182.0	211.4	137.3	64.2	290.6	354.8	140.3
Nº Día	Octubre			Noviembre			Diciembre			Brillo Sol.(h)		
	Precipitación (mm)			Precipitación (mm)			Precipitación (mm)					
	Día	Noche	Total	Brillo Sol.(h)	Día	Noche	Total	Brillo Sol.(h)	Día	Brillo Sol.(h)		
1	.7	1.8	2.5	5.2	0.0	0.0	0.0	6.1	.5	.5		
2	0.0	0.0	0.0	1.9	0.0	0.0	0.0	6.6	7.1	7.1		
3	0.0	0.0	0.0	7.5	0.0	26.2	26.2	7.0	.3	9.8		
4	0.0	42.8	42.8	7.8	1.2	0.0	1.2	1.7	0.0	0.0		
5	9.4	30.1	39.5	5.4	10.4	24.5	34.9	1.3	0.0	92.2		
6	27.1	11.0	38.1	4.7	21.0	0.0	21.0	2.1	10.5	4.0		
7	0.0	1.9	1.9	1.3	0.0	0.0	0.0	3.7	.5	1.6		
8	2.7	1.4	4.1	2.6	1.4	8.3	9.7	2.8	15.6	1.2		
9	0.0	0.0	0.0	4.4	0.0	39.6	39.6	5.0	10.9	23.7		
10	0.0	0.0	0.0	9.5	0.0	25.6	25.6	4.3	5.8	10.1		
11	0.0	0.0	0.0	7.3	0.0	11.5	11.5	6.5	10.1	5.1		
12	0.0	1.3	1.3	4.2	3.4	1.3	4.7	3.1	1.0	.7		
13	0.0	.9	.9	3.9	1.6	0.0	1.6	3.3	.6	3.2		
14	0.0	.9	.9	7.6	0.0	0.0	0.0	.1	0.0	15.2		
15	0.0	22.8	22.8	4.2	15.0	32.0	47.0	4.9	0.0	0.0		
16	0.0	3.9	3.9	5.9	0.0	27.8	27.8	5.0	0.0	0.0		
17	0.0	9.1	9.1	7.9	0.0	0.0	0.0	.3	0.0	0.0		
18	0.0	39.5	39.5	6.6	2.5	.1	2.6	3.5	1.1	0.0		
19	0.0	0.0	0.0	2.4	0.0	0.0	0.0	7.5	0.0	10.3		
20	1.7	7.7	9.4	4.4	12.3	0.0	12.3	.1	0.0	.1		
21	.3	.2	.5	5.7	.1	77.0	77.1	2.4	35.6	0.0		
22	0.0	4.5	4.5	3.3	6.6	6.9	13.5	.9	0.0	35.6		
23	0.0	28.6	28.6	4.7	1.7	.8	2.5	1.4	.2	2.0		
24	0.0	30.1	30.1	1.6	.9	.1	1.0	.1	.9	0.0		
25	0.0	19.6	19.6	2.5	0.0	.1	.1	0.0	.8	.2		
26	0.0	0.0	0.0	7.4	0.0	0.0	0.0	.2	0.0	32.0		
27	0.0	.5	.5	5.8	2.8	.1	2.9	.1	0.0	.2		
28	0.0	.2	.2	2.4	7.8	1.5	9.3	2.0	0.0	0.0		
29	1.6	4.6	6.2	1.9	0.0	4.5	4.5	.2	2.4	41.3		
30	.1	0.0	.1	2.5	0.0	3.9	3.9	.5	0.0	7.8		
31	0.0	0.0	0.0	1.4	0.0	0.0	0.0	7.9	0.0	7.9		
	43.6	263.4	307.0	143.9	88.7	291.8	380.5	79.7	114.7	265.1	379.8	82.9



Estación : LA MONTAÑA  
Año : 1998

Dpto. : TOLIMA  
Mpio. : DOLORES

Latitud : 3 ° 33' N  
Longitud : 74 ° 54' W  
Altitud : 1260 m

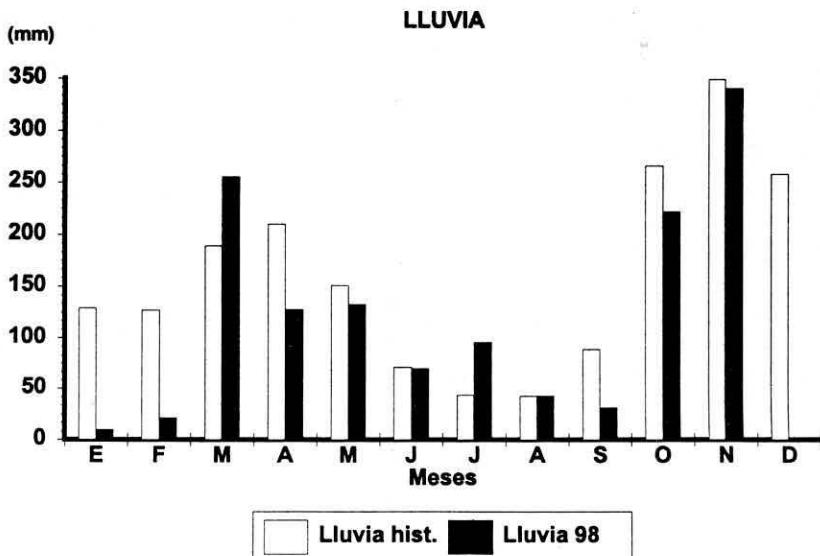
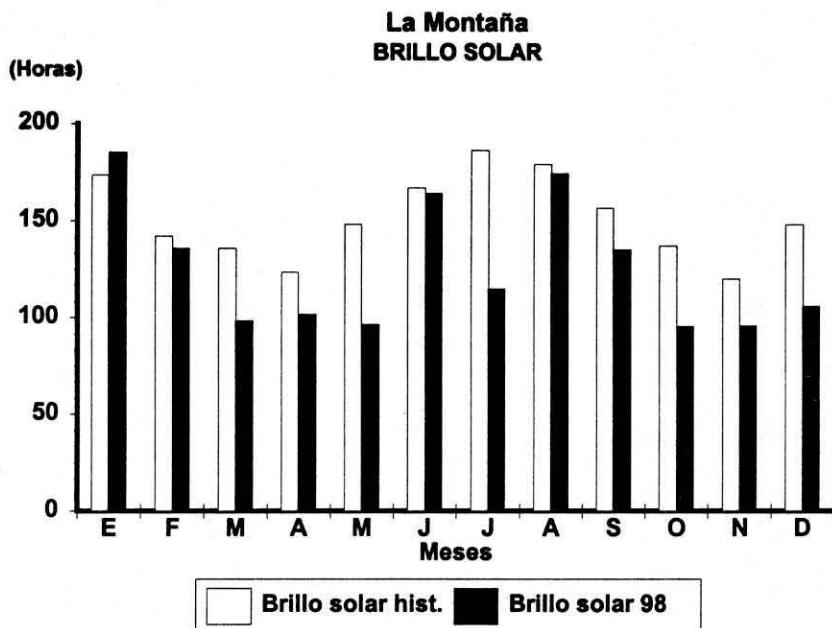
Nº Día	Enero			Febrero			Marzo			Brillo Sol.(h)	
	Precipitación (mm)			Precipitación (mm)			Precipitación (mm)				
	Día	Noche	Total	Día	Noche	Total	Día	Noche	Total		
1	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	4.0	
2	0.0	0.0	0.0	8.6	0.0	0.0	0.0	0.0	0.0	0.0	
3	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	2.7	
4	0.0	0.0	0.0	7.8	0.0	0.0	0.0	0.0	0.0	2.8	
5	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.4	.4	2.0	
6	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	.7	
7	0.0	3.7	3.7	4.7	0.0	0.0	0.0	0.0	0.0	2.7	
8	2.1	0.0	2.1	4.0	1.1	2.2	3.3	0.0	0.0	3.0	
9	0.0	0.0	0.0	7.5	1.8	1.7	3.5	0.0	0.0	1.7	
10	0.0	0.0	0.0	3.1	0.0	0.0	0.0	1.2	0.0	4.5	
11	0.0	0.0	0.0	6.4	0.0	0.0	0.0	36.8	77.7	114.5	
12	0.0	0.0	0.0	2.4	.1	0.0	.1	20.4	0.0	20.4	
13	1.0	2.9	3.9	5.2	0.0	0.0	0.0	0.0	0.0	7.9	
14	0.0	0.0	0.0	7.1	.2	2.7	2.9	0.0	0.0	9.4	
15	0.0	0.0	0.0	8.3	1.5	0.0	1.5	0.0	0.0	1.9	
16	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	5.3	
17	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	0.0	6.8	
18	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0	6.9	
19	0.0	0.0	0.0	7.5	0.0	5.2	5.2	0.0	0.0	6.1	
20	0.0	0.0	0.0	5.9	0.0	0.0	0.0	.5	0.0	.3	
21	0.0	0.0	0.0	6.8	0.0	0.0	0.0	.4	0.0	.4	
22	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	1.1	8.4	
23	0.0	0.0	0.0	8.9	0.0	0.0	0.0	0.0	.3	1.2	
24	0.0	0.0	0.0	9.2	.5	4.8	5.1	37.2	0.0	37.2	
25	0.0	0.0	0.0	8.5	0.0	0.0	0.0	1.3	0.0	3.1	
26	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	0.0	1.2	
27	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	.1	6.2	
28	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	9.1	.7	
29	0.0	0.0	0.0	5.2				4.7	14.1	18.8	
30	0.0	0.0	0.0	6.7				.4	35.2	35.6	
31	0.0	0.0	0.0	4.8				1.2	13.6	14.8	
	3.1	6.6	9.7	185.3	5.2	16.4	21.6		104.1	151.6	
									255.7	98.4	
Abril			Mayo			Junio					
Nº Día	Precipitación (mm)			Precipitación (mm)			Precipitación (mm)			Brillo Sol.(h)	
	Día	Noche	Total	Brillo Sol.(h)	Día	Noche	Total	Brillo Sol.(h)	Día		
	1	0.0	0.0	.9	.5	26.7	27.2	0.0	0.0	0.0	
2	0.0	0.0	0.0	2.3	.7	.7	1.4	3.7	0.0	0.0	
3	1.6	12.7	14.3	2.0	4.1	10.0	14.1	1.0	1.9	1.0	
4	0.0	0.0	0.0	6.4	4.6	.1	4.7	0.0	1.0	7.9	
5	0.0	.6	.6	8.9	.8	0.0	.8	.1	0.0	0.0	
6	.3	.5	.8	2.0	.1	0.0	.1	1.1	0.0	9.4	
7	.2	3.7	3.9	4.6	0.0	0.0	0.0	7.4	0.0	2.4	
8	0.0	0.0	0.0	3.2	.6	0.0	.6	1.0	0.0	3.6	
9	.2	0.0	.2	.9	1.3	0.0	1.3	1.2	0.0	.1	
10	0.0	0.0	0.0	5.1	0.0	0.0	0.0	6.0	0.0	8.3	
11	.9	2.8	3.7	2.2	4.0	0.0	4.0	1.0	0.0	6.7	
12	0.0	72.0	72.0	2.1	0.0	0.0	0.0	0.0	0.0	2.7	
13	.2	6.0	6.2	1.2	0.0	21.5	21.5	8.5	0.0	9.3	
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	0.0	13.0	
15	0.0	0.0	0.0	9.7	0.0	0.0	0.0	4.6	0.0	9.3	
16	0.0	0.0	0.0	3.9	0.0	0.0	0.0	3.7	3.5	9.2	
17	0.0	0.0	0.0	4.9	.6	4.3	4.9	2.1	0.0	0.0	
18	0.0	4.4	4.4	2.3	0.0	0.0	0.0	2.1	0.0	0.0	
19	.6	.2	.8	.4	0.0	0.0	0.0	7.3	7.7	0.0	
20	0.0	0.0	0.0	2.7	0.0	0.0	0.0	9.3	0.0	0.0	
21	0.0	0.0	0.0	7.0	0.0	0.0	0.0	7.4	.8	9.6	
22	2.3	0.0	2.3	.6	0.0	0.0	0.0	6.7	.1	0.0	
23	10.3	0.0	10.3	.8	0.0	.4	.4	1.2	0.0	0.0	
24	0.0	0.0	0.0	4.9	0.0	0.0	0.0	2.4	2.2	0.0	
25	3.4	0.0	3.4	7.7	0.0	0.0	0.0	4.0	0.0	0.0	
26	3.2	0.0	3.2	.1	11.8	0.0	11.8	0.0	.6	8.1	
27	0.0	0.0	0.0	6.1	6.2	0.0	6.2	.7	0.0	0.0	
28	.2	0.0	.2	1.8	31.9	1.8	33.7	.2	0.0	0.0	
29	1.7	0.0	1.7	4.0	0.0	0.0	0.0	.7	.6	4.2	
30	0.0	0.0	0.0	2.9	0.0	0.0	0.0	1.0	0.0	30.0	
31				0.0	0.0	0.0	0.0	4.6			
	25.1	102.9	128.0	101.6	67.2	65.5	132.7	96.6	15.6	54.3	
										69.9	
										164.1	

Estación : LA MONTAÑA  
Año : 1998

Dpto. : TOLIMA  
Mpio. : DOLORES

Latitud : 3 ° 33' N  
Longitud : 74 ° 54' W  
Altitud : 1260 m

Julio				Agosto				Septiembre			
Nº Día	Precipitación (mm)			Brillo Sol.(h)	Precipitación (mm)			Brillo Sol.(h)	Precipitación (mm)		
	Día	Noche	Total		Día	Noche	Total		Día	Noche	Total
1	0.0	0.0	0.0	4.1	0.0	0.0	0.0	5.0	0.0	0.0	0.0
2	0.0	0.0	0.0	2.7	0.0	0.0	0.0	9.4	0.0	0.0	0.0
3	0.0	5.0	5.0	1.8	0.0	0.0	0.0	4.4	0.0	0.0	0.0
4	0.0	0.0	0.0	.3	0.0	5.0	5.0	9.7	0.0	0.0	0.0
5	0.0	0.0	0.0	1.4	0.0	0.0	0.0	5.3	0.0	0.0	0.0
6	0.0	0.0	0.0	2.7	10.0	0.0	10.0	8.3	.6	0.0	.6
7	0.0	1.5	1.5	4.2	0.0	0.0	0.0	3.7	0.0	0.0	0.0
8	.5	1.5	2.0	1.6	0.0	4.0	4.0	7.7	0.0	0.0	.0
9	4.0	0.0	4.0	3.4	2.0	0.0	2.0	3.9	0.0	0.0	0.0
10	0.0	0.0	0.0	5.4	0.0	0.0	0.0	1.0	0.0	3.6	3.6
11	0.0	0.0	0.0	.7	0.0	0.0	0.0	6.9	0.0	0.0	0.0
12	0.0	0.0	0.0	5.3	0.0	0.0	0.0	2.1	13.3	0.0	13.3
13	0.0	0.0	0.0	6.4	0.0	0.0	0.0	1.5	0.0	0.0	0.0
14	0.0	0.0	0.0	5.2	0.0	0.0	0.0	8.5	0.0	0.0	0.0
15	0.0	4.8	4.8	4.9	0.0	7.0	7.0	2.4	0.0	0.0	0.0
16	0.0	5.6	5.6	5.6	0.0	0.0	0.0	3.1	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0
18	1.6	17.2	18.8	1.5	0.0	0.0	0.0	7.3	0.0	0.0	0.0
19	20.0	0.0	20.0	1.6	3.5	0.0	3.5	5.5	4.8	0.0	4.8
20	0.0	0.0	0.0	4.9	0.0	0.0	0.0	8.2	0.0	0.0	0.0
21	0.0	0.0	0.0	2.1	0.0	0.0	0.0	7.8	0.0	0.0	0.0
22	7.4	0.0	7.4	.8	0.0	0.0	0.0	10.1	0.0	0.0	0.0
23	0.0	0.0	0.0	7.8	3.5	0.0	3.5	2.9	0.0	0.0	0.0
24	.5	14.5	15.0	4.2	0.0	0.0	0.0	3.8	0.0	0.0	0.0
25	12.0	0.0	12.0	5.9	0.0	0.0	0.0	7.1	2.1	0.0	2.1
26	0.0	0.0	0.0	8.0	0.0	0.0	0.0	3.3	3.3	0.0	3.3
27	0.0	0.0	0.0	3.3	0.0	0.0	0.0	8.5	2.6	0.0	2.6
28	0.0	0.0	0.0	3.7	0.0	0.0	0.0	8.3	0.0	0.0	0.0
29	0.0	0.0	0.0	.9	0.0	0.0	0.0	6.6	.8	0.0	.8
30	0.0	0.0	0.0	6.8	0.0	0.0	0.0	3.1	0.0	0.0	0.0
31	0.0	0.0	0.0	7.7	0.0	0.0	0.0	.5	0.0	0.0	.7
	46.0	50.1	96.1	114.9	19.0	24.0	43.0	174.5	27.5	3.6	31.1
											135.3
Octubre				Noviembre				Diciembre			
Nº Día	Precipitación (mm)			Brillo Sol.(h)	Precipitación (mm)			Brillo Sol.(h)	Precipitación (mm)		
	Día	Noche	Total		Día	Noche	Total		Día	Noche	Total
1	.5	0.0	.5	7.6	0.0	.8	.8				
2	0.0	0.0	0.0	1.3	1.5	0.0	1.5				
3	0.0	0.0	0.0	.4	4.3	39.2	43.5				
4	0.0	0.0	0.0	8.2	0.0	0.0	0.0				
5	0.0	0.0	0.0	2.2	7.7	27.3	35.0				
6	.4	7.2	7.6	6.1	3.0	50.8	53.8				
7	13.9	21.8	35.7	2.2	0.0	0.0	0.0				
8	.1	31.8	31.9	1.1	8.9	0.0	8.9				
9	0.0	0.0	0.0	2.9	.3	3.4	3.7				
10	0.0	0.0	0.0	3.3	2.5	0.0	2.5				
11	0.0	0.0	0.0	1.6	0.0	0.0	0.0				
12	.4	0.0	.4	1.0	2.5	8.1	10.6				
13	0.0	0.0	0.0	6.8	.8	3.0	3.8				
14	44.5	0.0	44.5	2.9	9.6	0.0	9.6				
15	0.0	0.0	0.0	0.0	1.6	0.0	1.6				
16	1.7	45.3	47.0	4.8	0.0	0.0	0.0				
17	1.8	0.0	1.8	4.4	.2	0.0	.2				
18	6.7	1.6	8.3	.9	.3	0.0	.3				
19	1.9	0.0	1.9	4.5	0.0	.3	.3				
20	1.1	0.0	1.1	2.6	45.0	0.0	45.0				
21	0.0	1.3	1.3	0.0	3.0	0.0	3.0				
22	21.8	0.0	21.8	1.1	.5	27.4	27.9				
23	1.7	0.0	1.7	8.3	16.0	0.0	16.0				
24	.1	1.9	2.0	3.6	21.0	.1	21.1				
25	0.0	0.0	0.0	2.9	0.0	0.0	0.0				
26	0.0	0.0	0.0	3.0	0.0	0.0	0.0				
27	0.0	0.0	0.0	3.8	0.0	1.3	1.3				
28	0.0	0.0	0.0	.9	0.0	0.0	0.0				
29	10.1	4.0	14.1	4.8	1.0	39.0	40.0				
30	.5	0.0	.5	.6	10.0	0.0	10.0				
31	0.0	0.0	0.0	1.7							
	107.2	114.9	222.1	95.5	139.7	200.7	340.4				



Estación : EL BERRION  
Año : 1998

Dpto. : VALLE  
Mpio. : CARTAGO

Latitud : 4 ° 41' N  
Longitud : 75 ° 51' W  
Altitud : 1150 m

Enero				Febrero				Marzo				
Nº Día	Precipitación ( mm )			Brillo Sol.(h)	Precipitación ( mm )			Brillo Sol.(h)	Precipitación ( mm )			
	Día	Noche	Total		Día	Noche	Total		Día	Noche	Total	
1	0.0	0.0	0.0	6.8	0.0	0.0	0.0	9.6	0.0	0.0	0.0	
2	0.0	0.0	0.0	9.5	.2	.3	.5	6.0	27.5	0.0	27.5	
3	0.0	0.0	0.0	10.0	13.2	0.0	13.2	1.6	0.0	0.0	0.0	
4	0.0	0.0	0.0	8.7	0.0	0.0	0.0	7.0	0.0	0.0	0.0	
5	.5	.1	.6	9.7	0.0	0.0	0.0	0.0	3.1	2.2	5.3	
6	0.0	0.0	0.0	2.0	0.0	35.0	35.0	2.6	0.0	0.0	1.8	
7	.2	0.0	.2	.9	0.0	0.0	0.0	6.6	1.7	3.1	4.8	
8	0.0	0.0	0.0	9.6	3.0	1.9	4.9	4.0	0.0	0.0	4.8	
9	0.0	0.0	0.0	7.1	.1	3.4	3.5	0.0	1.1	0.0	1.1	
10	0.0	0.0	0.0	9.4	1.9	0.0	1.9	.6	0.0	2.2	6.8	
11	0.0	0.0	0.0	9.7	20.8	0.0	20.8	0.0	0.0	0.0	6.4	
12	0.0	0.0	0.0	.5	0.0	0.0	0.0	1.1	0.0	0.0	0.0	
13	0.0	0.0	0.0	6.5	0.0	5.1	5.1	6.1	25.0	0.0	25.0	
14	16.5	0.0	16.5	1.9	1.5	.8	2.3	1.5	0.0	0.0	0.0	
15	0.0	0.0	0.0	8.9	0.0	0.0	0.0	9.2	0.0	0.0	0.0	
16	0.0	0.0	0.0	8.1	0.0	0.0	0.0	10.4	0.0	0.0	0.0	
17	0.0	0.0	0.0	8.1	0.0	0.0	0.0	9.9	0.0	0.0	0.0	
18	0.0	0.0	0.0	9.8	0.0	0.0	0.0	6.4	2.5	.6	3.1	
19	0.0	0.0	0.0	6.6	0.0	0.0	0.0	3.5	0.0	0.0	0.0	
20	0.0	0.0	0.0	6.4	0.0	0.0	0.0	7.2	20.3	0.0	20.3	
21	0.0	0.0	0.0	8.9	0.0	0.0	0.0	6.9	0.0	0.0	0.0	
22	0.0	0.0	0.0	8.4	0.0	0.0	0.0	5.8	4.5	4.1	8.6	
23	12.0	0.0	12.0	8.0	0.0	0.0	0.0	2.3	5.7	0.0	5.7	
24	0.0	0.0	0.0	8.8	0.0	0.0	0.0	7.7	.9	0.0	.9	
25	0.0	0.0	0.0	8.6	0.0	0.0	0.0	7.4	.5	19.7	20.2	
26	0.0	0.0	0.0	9.6	0.0	0.0	0.0	8.4	4.6	1.0	5.6	
27	0.0	0.0	0.0	7.5	.5	0.0	.5	7.5	0.0	52.0	52.0	
28	0.0	0.0	0.0	5.6	0.0	0.0	0.0	6.3	1.7	0.0	1.7	
29	1.1	.3	1.4	9.5					27.0	2.1	29.1	
30	.4	0.0	.4	6.9					6.1	.6	6.7	
31	0.0	0.0	0.0	9.1					0.0	0.0	4.4	
	30.7		.4	31.1	232.1	41.2	46.5	87.7	141.6	132.2	87.6	
											219.8	
											150.3	
Abril				Mayo				Junio				
Nº Día	Precipitación ( mm )			Brillo Sol.(h)	Precipitación ( mm )			Brillo Sol.(h)	Precipitación ( mm )			
	Día	Noche	Total		Día	Noche	Total		Día	Noche	Total	
1	0.0	10.2	10.2	2.6	28.0	.4	28.4	1.6	2.8	4.7	7.5	2.0
2	9.0	13.4	22.4	6.1	.6	37.9	38.5	4.6	0.0	3.0	3.0	5.8
3	.7	5.5	6.2	1.7	49.0	0.0	49.0	.1	0.0	0.0	0.0	3.8
4	.1	0.0	.1	4.5	9.9	.7	10.6	.3	0.0	0.0	0.0	9.2
5	0.0	0.0	0.0	5.8	0.0	0.0	0.0	1.8	0.0	0.0	0.0	4.5
6	36.7	6.3	43.0	2.2	0.0	.4	.4	3.9	0.0	0.0	0.0	6.4
7	0.0	0.0	0.0	5.7	15.1	0.0	15.1	6.3	2.0	0.0	2.0	4.5
8	0.0	0.0	0.0	2.8	0.0	6.8	6.8	7.6	0.0	3.0	3.0	3.3
9	0.0	0.0	0.0	3.8	0.0	0.0	0.0	.7	0.0	0.0	0.0	6.1
10	0.0	13.1	13.1	4.8	0.0	.6	.6	4.4	.6	0.0	.6	5.3
11	12.0	0.0	12.0	.2	3.2	4.2	7.4	6.7	0.0	0.0	0.0	6.6
12	0.0	0.0	0.0	5.4	0.0	0.0	0.0	.5	0.0	0.0	0.0	6.9
13	0.0	2.9	2.9	6.0	0.0	0.0	0.0	7.9	0.0	0.0	0.0	9.5
14	0.0	0.0	0.0	5.8	0.0	.3	.3	8.4	0.0	1.8	1.8	2.7
15	1.4	.2	1.6	5.1	0.0	0.0	0.0	0.0	49.5	.8	50.3	.1
16	13.0	0.0	13.0	6.4	0.0	0.0	0.0	8.1	0.0	0.0	0.0	5.2
17	.3	1.0	1.3	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8
18	0.0	20.2	20.2	2.4	.7	0.0	.7	8.8	0.0	0.0	0.0	3.8
19	5.4	2.6	8.0	1.9	0.0	0.0	0.0	7.2	0.0	0.0	0.0	4.5
20	0.0	.1	.1	4.1	0.0	0.0	0.0	7.8	0.0	0.0	0.0	4.0
21	1.9	0.0	1.9	4.4	13.2	0.0	13.2	7.3	0.0	10.1	10.1	3.9
22	0.0	.8	.8	5.1	.3	0.0	.3	5.7	0.0	0.0	0.0	3.7
23	1.4	25.1	26.5	.1	.4	0.0	.4	2.7	.8	1.1	1.9	6.3
24	.1	4.2	4.3	4.4	32.5	0.0	32.5	3.8	0.0	0.0	0.0	8.0
25	1.7	53.9	55.6	6.4	.2	37.2	37.4	.3	0.0	0.0	0.0	8.3
26	.5	2.6	3.1	.3	7.0	7.5	14.5	1.2	0.0	0.0	0.0	6.5
27	.5	.2	.7	7.1	2.6	3.0	5.6	1.0	0.0	.3	.3	2.1
28	3.5	0.0	3.5	1.2	26.7	13.2	39.9	1.4	27.7	.5	28.2	3.2
29	0.0	3.4	3.4	8.4	1.1	.5	1.6	.8	0.0	0.0	0.0	1.8
30	16.8	.4	17.2	2.6	0.0	.1	.1	3.3	0.0	0.0	0.0	9.8
31					16.4	3.3	19.7	4.8				
	105.0	166.1	271.1	121.1	206.9	116.1	323.0	119.0	83.4	25.3	108.7	153.6

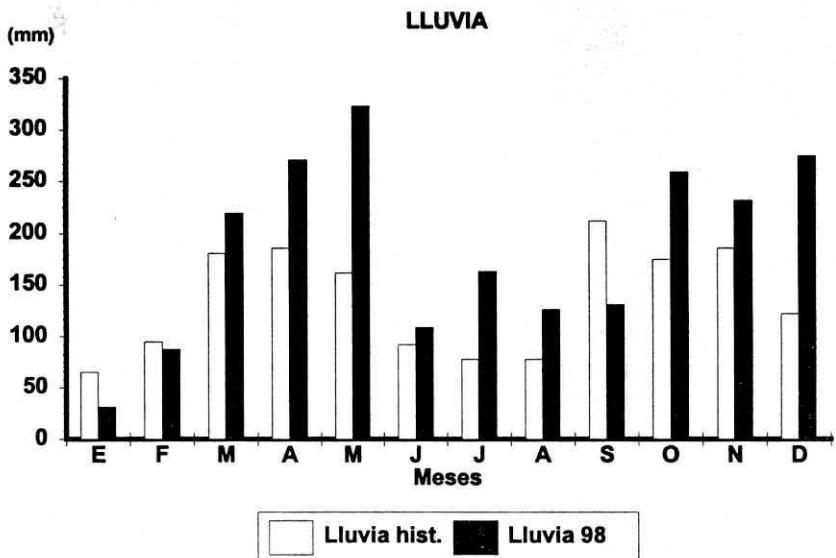
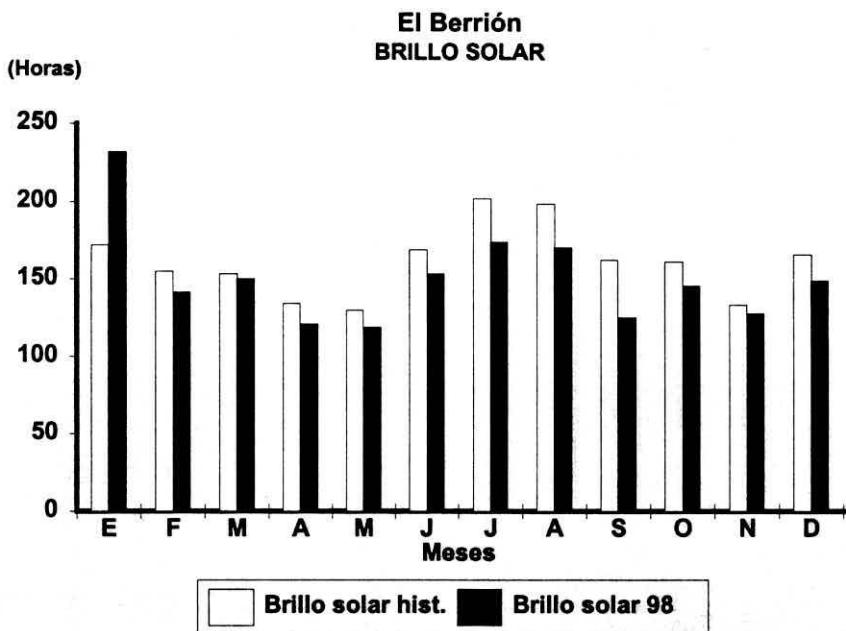
Estación : EL BERRION  
Año : 1998

Dpto. : VALLE  
Mpio. : CARTAGO

Latitud : 4 ° 41' N  
Longitud : 75 ° 51' W  
Altitud : 1150 m

NºDía	Julio			Agosto			Septiembre			Brillo Sol.(h)
	Precipitación (mm)	Brillo Sol.(h)	Total	Precipitación (mm)	Brillo Sol.(h)	Total	Precipitación (mm)	Brillo Sol.(h)	Total	
Día	Noche		Día	Noche		Día	Noche			
1	0.0	0.0	0.0	9.5	0.0	0.0	6.8	0.0	0.0	4.4
2	.1	0.0	.1	6.9	0.0	0.0	10.0	0.0	10.8	2.2
3	.4	11.5	11.9	2.8	0.0	0.0	4.8	.8	0.0	.8
4	.3	32.1	32.4	4.2	0.0	0.0	4.4	0.0	.3	4.2
5	10.7	0.0	10.7	3.1	3.7	0.0	3.7	3.1	0.0	5.1
6	.1	4.8	4.9	6.5	0.0	1.0	1.0	1.3	0.0	0.0
7	.2	0.0	.2	.8	20.0	0.0	20.0	2.8	.3	0.0
8	1.0	9.4	10.4	3.5	5.0	0.0	5.0	3.4	1.4	1.0
9	.5	0.0	.5	3.2	0.0	0.0	0.0	7.3	0.0	0.0
10	1.5	0.0	1.5	4.3	6.0	4.0	10.0	6.1	1.0	0.0
11	9.7	0.0	9.7	5.5	0.0	0.0	6.7	.8	16.3	17.1
12	.3	0.0	.3	7.1	0.0	0.0	4.5	6.0	15.5	21.5
13	0.0	0.0	0.0	5.5	9.0	8.0	17.0	4.6	0.0	.4
14	1.4	0.0	1.4	4.7	0.0	32.0	32.0	6.8	.6	1.2
15	0.0	0.0	0.0	6.6	9.0	9.0	18.0	.8	0.0	0.0
16	7.1	20.3	27.4	4.8	0.0	0.0	0.0	7.2	0.0	1.6
17	0.0	4.7	4.7	6.7	1.4	0.0	1.4	6.1	0.0	0.0
18	.2	14.7	14.9	6.4	0.0	1.0	1.0	7.6	.3	15.6
19	0.0	.3	.3	7.4	1.3	5.7	7.0	4.4	0.0	0.0
20	0.0	0.0	0.0	7.1	0.0	0.0	0.0	7.3	3.2	0.0
21	.4	12.8	13.2	7.9	0.0	0.0	0.0	6.5	0.0	.5
22	3.2	0.0	3.2	5.5	.8	0.0	.8	6.8	14.7	11.4
23	2.4	0.0	2.4	5.6	0.0	0.0	0.0	8.5	2.0	0.0
24	0.0	0.0	0.0	5.4	0.0	.9	.9	7.5	0.0	0.0
25	.6	0.0	.6	4.9	.4	2.2	2.6	2.5	0.0	9.1
26	1.5	0.0	1.5	7.2	1.8	4.1	5.9	1.1	1.8	15.0
27	2.8	3.2	6.0	6.4	0.0	0.0	0.0	5.5	0.0	0.0
28	2.3	.1	2.4	7.5	0.0	0.0	0.0	7.8	.2	0.0
29	1.3	.2	1.5	7.2	0.0	0.0	0.0	7.5	0.0	0.0
30	1.2	0.0	1.2	4.0	0.0	0.0	0.0	4.9	0.0	0.0
31	0.0	0.0	0.0	5.7	.1	0.0	.1	5.9	0.0	9.3
	49.2	114.1	163.3	173.9	58.5	67.9	126.4	170.5	33.1	97.7
										130.8
										125.3

NºDía	Octubre			Noviembre			Diciembre			Brillo Sol.(h)
	Precipitación (mm)	Brillo Sol.(h)	Total	Precipitación (mm)	Brillo Sol.(h)	Total	Precipitación (mm)	Brillo Sol.(h)	Total	
Día	Noche		Día	Noche		Día	Noche			
1	0.0	0.0	0.0	5.5	0.0	19.8	19.8	5.1	0.0	.4
2	0.0	0.0	0.0	2.8	0.0	0.0	6.5	22.7	17.2	39.9
3	.8	0.0	.8	4.4	3.4	0.0	3.4	6.1	1.3	0.0
4	.4	.3	.7	7.2	0.0	.5	.5	1.4	0.0	0.0
5	.2	20.7	20.9	5.8	.2	.1	.3	2.6	0.0	12.1
6	0.0	2.9	2.9	5.0	0.0	14.2	14.2	3.2	.8	7.3
7	.3	0.0	.3	2.2	0.0	0.0	0.0	2.3	3.9	0.0
8	0.0	0.0	0.0	4.8	2.4	0.0	2.4	2.8	0.0	0.0
9	8.4	0.0	8.4	2.5	10.2	33.4	43.6	7.9	0.0	0.0
10	0.0	0.0	0.0	9.2	0.0	0.0	0.0	6.8	.7	.7
11	0.0	0.0	0.0	6.9	0.0	0.0	0.0	6.8	0.0	7.9
12	0.0	0.0	0.0	2.8	0.0	0.0	0.0	1.7	.4	.8
13	0.0	0.0	0.0	3.1	0.0	.1	.1	6.3	0.0	0.0
14	.1	0.0	.1	8.9	0.0	0.0	0.0	5.5	16.7	.5
15	.5	30.8	31.3	7.0	8.7	7.9	16.6	5.4	4.1	0.0
16	0.0	0.0	0.0	6.2	0.0	0.0	0.0	4.4	0.0	0.0
17	0.0	3.5	3.5	.6	0.0	0.0	0.0	.3	8.2	0.0
18	12.2	2.5	14.7	5.7	0.0	0.0	0.0	4.2	0.0	17.5
19	.8	7.3	7.9	8.4	.9	19.5	20.4	5.0	0.0	0.0
20	.7	.4	1.1	3.7	.3	.7	1.0	1.3	.7	0.0
21	1.9	0.0	1.9	2.3	19.7	16.9	36.6	2.6	0.0	.1
22	1.7	0.0	1.7	2.6	17.4	0.0	17.4	0.0	0.0	.4
23	11.3	14.3	25.6	2.7	0.0	2.7	2.7	8.5	0.0	11.2
24	13.2	10.0	23.2	2.1	14.6	.4	15.0	.4	0.0	0.0
25	.6	32.8	33.4	3.5	0.0	0.0	0.0	6.4	32.3	21.3
26	0.0	0.0	0.0	7.4	0.0	0.0	0.0	6.7	0.0	0.0
27	0.0	0.0	0.0	6.0	0.0	2.2	2.2	3.7	7.2	7.4
28	0.0	5.6	5.6	7.0	16.0	.8	16.8	.9	51.3	0.0
29	7.8	57.6	65.4	4.4	0.0	1.3	1.3	6.2	17.7	7.2
30	2.0	0.0	2.0	.8	16.7	.8	17.5	7.1	0.0	0.0
31	7.2	.8	8.0	4.4					0.0	0.0
	69.9	189.5	259.4	145.9	110.5	121.3	231.8	128.1	171.5	103.7
										275.2
										149.3



Estación : LA SELVA  
Año : 1998

Dpto. : VALLE  
Mpio. : GINEBRA

Latitud : 3 ° 45' N  
Longitud : 76 ° 12' W  
Altitud : 1800 m

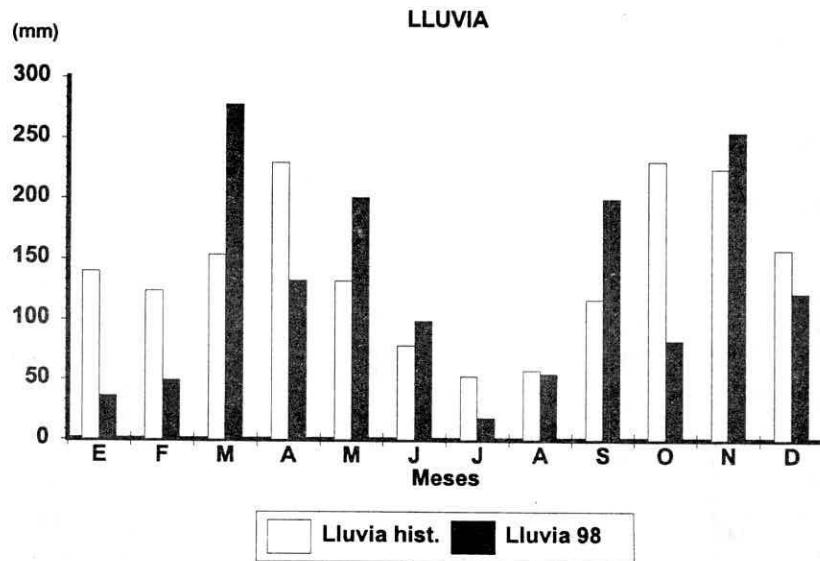
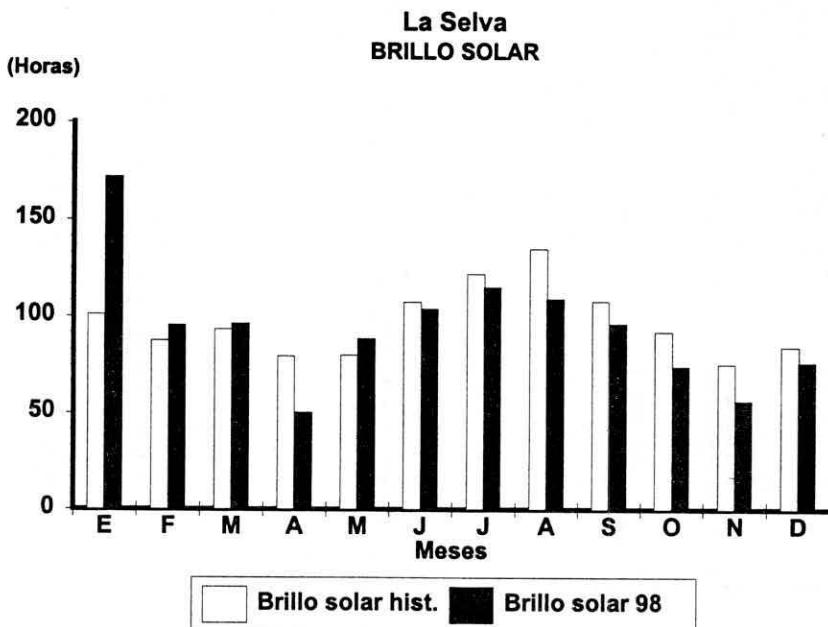
Enero				Febrero				Marzo			
Nº Día	Precipitación (mm)			Brillo Sol.(h)	Precipitación (mm)			Brillo Sol.(h)	Precipitación (mm)		
	Día	Noche	Total		Día	Noche	Total		Día	Noche	Total
1	3.1	0.0	3.1	1.1	0.0	0.0	0.0	8.5	22.2	1.9	24.1
2	0.0	0.0	0.0	7.9	0.0	0.0	0.0	2.6	1.9	0.0	1.9
3	0.0	0.0	0.0	9.8	0.0	0.0	0.0	1.7	0.0	0.0	0.4
4	0.0	0.0	0.0	9.3	0.0	0.0	0.0	5.4	0.0	0.0	7.6
5	0.0	0.0	0.0	8.6	0.0	0.0	0.0	0.0	0.0	0.0	4.5
6	23.6	0.0	23.6	.2	0.0	1.6	1.6	1.7	.3	0.0	.3
7	3.5	0.0	3.5	.8	0.0	2.6	2.6	1.6	1.3	0.0	1.4
8	0.0	0.0	0.0	8.2	5.0	8.3	13.3	0.0	0.0	0.0	1.7
9	0.0	0.0	0.0	5.4	.1	2.0	2.1	2.8	1.8	0.0	1.8
10	0.0	0.0	0.0	7.4	4.3	.1	4.4	.2	.7	0.0	4.2
11	0.0	0.0	0.0	8.9	0.0	0.0	0.0	0.0	.8	0.0	2.6
12	0.0	0.0	0.0	2.6	0.0	0.0	0.0	.7	8.6	0.0	3.7
13	0.0	0.0	0.0	3.0	0.0	0.0	0.0	5.0	0.0	0.0	2.7
14	.1	0.0	.1	4.3	1.8	6.3	8.1	2.2	6.4	0.0	2.0
15	0.0	0.0	0.0	7.8	0.0	0.0	0.0	4.6	0.0	0.0	4.8
16	0.0	0.0	0.0	5.0	0.0	0.0	0.0	10.3	0.0	0.0	1.4
17	0.0	0.0	0.0	7.0	0.0	0.0	0.0	9.3	0.0	0.0	7.8
18	0.0	0.0	0.0	3.0	0.0	0.0	0.0	3.7	0.0	0.0	5.6
19	0.0	0.0	0.0	2.8	0.0	0.0	0.0	3.6	0.0	0.0	6.9
20	0.0	6.2	6.2	3.6	1.8	0.0	1.8	2.2	23.8	0.0	23.8
21	0.0	0.0	0.0	6.6	0.0	0.0	0.0	2.0	0.0	0.0	.1
22	0.0	0.0	0.0	3.9	10.8	0.0	10.8	4.3	0.0	2.2	5.0
23	0.0	0.0	0.0	5.3	1.4	0.0	1.4	1.7	8.4	0.0	8.4
24	0.0	0.0	0.0	9.3	0.0	0.0	0.0	2.8	23.1	0.0	3.8
25	0.0	0.0	0.0	9.8	0.0	0.0	0.0	5.1	6.3	11.6	17.9
26	0.0	0.0	0.0	7.5	.8	0.0	.8	4.8	.2	9.2	9.4
27	0.0	0.0	0.0	3.8	2.1	0.0	2.1	4.7	.1	65.2	65.3
28	0.0	0.0	0.0	4.2	.4	0.0	.4	4.0	16.5	0.0	.1
29	0.0	0.0	0.0	4.1					0.0	43.2	43.2
30	0.0	0.0	0.0	1.3					6.4	10.1	16.5
31	0.0	0.0	0.0	9.3					4.9	.7	5.6
	30.3	6.2	36.5	171.8	28.5	20.9	49.4	95.5	133.7	144.1	277.8
											96.4
Abril				Mayo				Junio			
Nº Día	Precipitación (mm)			Brillo Sol.(h)	Precipitación (mm)			Brillo Sol.(h)	Precipitación (mm)		
	Día	Noche	Total		Día	Noche	Total		Día	Noche	Total
1	3.4	14.3	17.7	.6	2.1	11.0	13.1	1.1	37.0	0.0	37.0
2	5.1	1.6	6.7	1.9	19.0	.1	19.1	.8	0.0	0.0	0.0
3	0.0	8.7	8.7	1.1	24.1	4.5	28.6	0.0	.1	0.0	.1
4	1.5	.1	1.6	2.7	2.4	0.0	2.4	2.5	0.0	0.0	4.9
5	0.0	6.1	6.1	4.2	0.0	0.0	0.0	.8	0.0	0.0	5.8
6	.8	2.2	3.0	1.2	.6	0.0	.6	.7	0.0	0.0	4.6
7	0.0	0.0	0.0	4.2	2.4	5.9	8.3	4.9	0.0	0.0	2.9
8	0.0	0.0	0.0	3.9	0.0	0.0	0.0	3.9	.5	22.5	23.0
9	0.0	0.0	0.0	.6	12.0	0.0	12.0	1.0	0.0	0.0	4.9
10	0.0	0.0	0.0	1.8	2.6	.8	3.4	3.4	4.6	0.0	4.6
11	10.0	0.0	10.0	0.0	2.5	0.0	2.5	3.3	0.0	.3	6.4
12	21.5	3.3	24.8	4.1	0.0	0.0	0.0	5.6	0.0	0.0	5.2
13	13.4	5.1	18.5	.1	0.0	0.0	0.0	7.3	0.0	0.0	8.5
14	.4	0.0	.4	.4	0.0	0.0	0.0	3.8	0.0	.3	1.7
15	0.0	0.0	0.0	1.2	0.0	0.0	0.0	.3	20.6	0.0	20.6
16	.6	.4	1.0	3.0	0.0	0.0	0.0	5.4	0.0	0.0	1.1
17	1.3	0.0	1.3	.3	0.0	2.1	2.1	.8	0.0	0.0	4.6
18	1.0	0.0	1.0	.8	0.0	0.0	0.0	3.5	0.0	0.0	4.4
19	11.6	6.1	17.7	.3	0.0	0.0	0.0	5.3	0.0	0.0	1.4
20	0.0	0.0	0.0	.4	0.0	0.0	0.0	10.6	1.2	0.0	3.0
21	0.0	.1	.1	.6	0.0	0.0	0.0	8.7	0.0	.6	3.0
22	.6	0.0	.6	2.1	0.0	0.0	0.0	7.8	.5	0.0	1.4
23	.1	0.0	.1	.1	0.0	0.0	0.0	4.0	.7	0.0	.7
24	1.5	0.0	1.5	3.6	0.0	0.0	0.0	.5	0.0	0.0	4.1
25	0.0	0.0	0.0	3.8	5.0	4.5	9.5	.4	0.0	0.0	5.9
26	2.2	0.0	2.2	0.0	3.6	12.5	16.1	.1	0.0	0.0	3.9
27	.2	0.0	.2	2.4	6.9	18.5	25.4	0.0	8.9	0.0	.9
28	3.3	0.0	3.3	1.9	5.6	44.0	49.6	0.0	1.4	0.0	2.0
29	0.0	0.0	0.0	2.0	0.0	0.0	0.0	.1	0.0	0.0	2.3
30	6.0	0.0	6.0	1.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0
31				8.4	.2	8.6	.4				10.6
	84.5	48.0	132.5	50.3	97.2	104.1	201.3	88.5	75.5	23.7	99.2
											104.1

Estación : LA SELVA  
Año : 1998

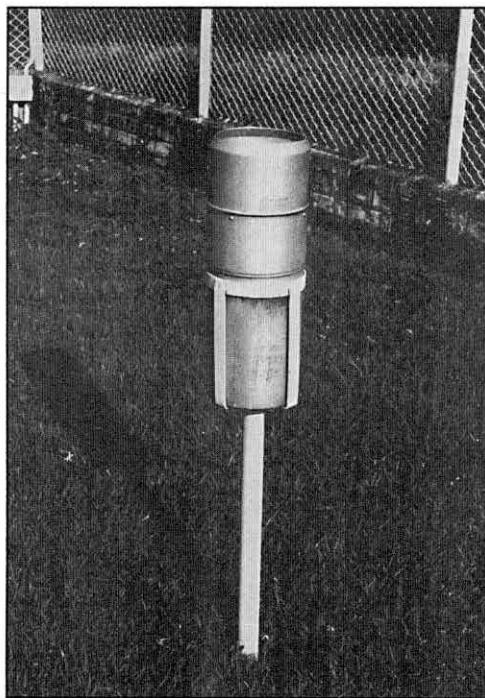
Dpto. : VALLE  
Mpio. : GINEBRA

Latitud : 3 ° 45' N  
Longitud : 76 ° 12' W  
Altitud : 1800 m

Nº Día	Julio			Agosto			Septiembre			Brillo Sol.(h)	
	Precipitación ( mm )			Precipitación ( mm )			Precipitación ( mm )				
	Día	Noche	Total	Día	Noche	Total	Día	Noche	Total		
1	0.0	0.0	0.0	9.7	0.0	0.0	5.6	0.0	0.0	2.5	
2	0.0	0.0	0.0	1.1	0.0	0.0	3.8	1.0	0.0	1.8	
3	0.0	0.0	0.0	4.6	0.0	0.0	4.0	18.7	0.0	1.1	
4	1.0	0.0	1.0	1.3	0.0	0.0	0.0	1.2	0.0	1.8	
5	4.0	0.0	4.0	.2	1.2	.3	1.5	3.3	0.0	4.3	
6	0.0	0.0	0.0	2.7	6.9	0.0	6.9	.7	0.0	7.6	
7	0.0	0.0	0.0	.9	0.0	0.0	0.0	1.2	2.0	.4	
8	6.0	0.0	6.0	2.5	0.0	0.0	0.0	1.6	0.0	.5	
9	.5	0.0	.5	1.4	0.0	0.0	10.0	0.0	.1	1.0	
10	1.0	0.0	1.0	4.2	.1	1.2	1.3	1.7	0.0	3.7	
11	0.0	0.0	0.0	1.7	0.0	0.0	0.0	4.1	0.0	2.6	
12	0.0	0.0	0.0	4.8	.2	0.0	.2	2.2	0.0	.5	
13	.1	0.0	.1	6.7	0.0	0.0	0.0	2.7	.5	26.5	
14	0.0	0.0	0.0	5.2	0.0	0.0	0.0	3.3	1.0	27.0	
15	.7	0.0	.7	4.4	1.8	.1	1.9	.8	2.7	2.9	
16	.1	1.6	1.7	2.9	0.0	0.0	0.0	5.0	0.0	6.5	
17	0.0	0.0	0.0	2.8	0.0	0.0	0.0	2.3	2.1	2.3	
18	.2	.2	.4	2.8	0.0	0.0	0.0	3.5	0.0	16.7	
19	.9	.5	1.4	2.9	.2	11.3	11.5	1.3	1.9	1.2	
20	0.0	0.0	0.0	5.9	0.0	.5	.5	3.8	0.0	5.5	
21	0.0	.5	.5	9.8	0.0	0.0	0.0	3.1	3.0	3.0	
22	0.0	0.0	0.0	2.6	0.0	0.0	0.0	3.4	1.0	80.0	
23	0.0	0.0	0.0	3.5	0.0	0.0	0.0	5.4	0.0	0.0	
24	0.0	0.0	0.0	1.8	.7	.3	1.0	8.3	0.0	6.0	
25	0.0	0.0	0.0	5.7	0.0	14.3	14.3	.9	0.0	4.1	
26	0.0	0.0	0.0	5.5	.8	0.0	.8	2.1	13.5	1.1	
27	0.0	0.0	0.0	3.7	0.0	0.0	0.0	4.2	4.5	0.0	
28	0.0	.2	.2	3.6	0.0	0.0	0.0	6.9	0.0	3.0	
29	.4	.1	.5	4.6	0.0	0.0	0.0	6.4	0.0	7.4	
30	.4	0.0	.4	2.8	15.2	0.0	15.2	3.6	0.0	0.0	
31	0.0	0.0	0.0	3.2	0.0	0.0	0.0	2.8	0.0	7.3	
	15.3	3.1	18.4	115.3	27.1	28.0	55.1	109.2	51.9	148.0	
									199.9	96.4	
Nº Día	Octubre			Noviembre			Diciembre			Brillo Sol.(h)	
	Precipitación ( mm )			Precipitación ( mm )						Precipitación ( mm )	
	Día	Noche	Total	Brillo Sol.(h)	Día	Noche	Total	Brillo Sol.(h)	Día	Noche	
1	0.0	0.0	0.0	4.8	0.0	0.0	0.0	5.1	19.2	13.6	
2	0.0	0.0	0.0	2.3	3.9	0.0	3.9	1.3	7.3	17.3	
3	0.0	0.0	0.0	1.3	.7	0.0	.7	5.1	0.0	0.0	
4	0.0	0.0	0.0	5.3	3.2	.7	3.9	2.7	2.0	2.5	
5	0.0	0.0	0.0	2.6	10.4	1.1	11.5	.3	7.3	1.6	
6	.7	2.0	2.7	.9	8.5	5.8	14.3	2.4	5.6	5.6	
7	4.9	0.0	4.9	.2	1.4	2.1	3.5	2.2	0.0	1.8	
8	0.0	0.0	0.0	.6	3.8	0.0	3.8	.5	0.0	4.6	
9	0.0	0.0	0.0	.9	10.1	.7	10.8	3.4	.1	.1	
10	0.0	0.0	0.0	8.0	1.2	0.0	1.2	.4	.8	.2	
11	0.0	0.0	0.0	5.9	0.0	.8	.8	5.1	11.9	0.0	
12	0.0	0.0	0.0	4.0	.2	1.1	1.3	1.0	1.7	3.1	
13	0.0	0.0	0.0	2.5	5.6	.4	6.0	1.9	.5	0.5	
14	0.0	0.0	0.0	6.2	.8	0.0	.8	1.4	0.0	7.0	
15	3.0	0.0	3.0	3.3	17.3	1.1	18.4	1.4	.1	1.6	
16	0.0	0.0	0.0	.1	.3	0.0	.3	2.3	0.0	.1	
17	7.6	0.0	7.6	3.3	1.1	.1	1.2	.1	0.0	.1	
18	0.0	9.8	9.8	3.9	0.0	0.0	0.0	4.2	12.0	0.0	
19	.6	0.0	.6	1.1	0.0	5.6	5.6	2.0	0.0	0.0	
20	.3	0.0	.3	2.8	4.5	.3	4.8	.1	.4	.8	
21	14.5	0.0	14.5	1.6	24.6	12.3	36.9	.5	0.0	0.0	
22	.6	0.0	.6	.9	1.3	0.0	1.3	0.0	0.0	1.6	
23	.9	8.1	9.0	1.1	0.0	.3	.3	3.1	0.0	3.3	
24	2.0	14.0	16.0	.3	15.3	21.3	36.6	.5	0.0	1.5	
25	.2	.6	2.8	.1	68.2	.1	68.3	3.3	.6	0.0	
26	1.3	0.0	1.3	1.5	.6	.7	1.3	.7	0.0	.6	
27	0.0	.3	.3	2.7	3.5	.6	4.1	.4	10.2	0.0	
28	0.0	4.1	4.1	2.5	1.0	0.0	1.0	1.4	0.0	4.4	
29	1.9	.4	2.3	2.2	0.0	2.5	2.5	3.2	.9	0.0	
30	3.2	.2	3.4	.3	10.0	0.0	10.0	.5	0.0	0.0	
31	0.0	0.0	0.0	1.0				.5	0.0	.5	
	43.7	39.5	83.2	74.2	197.5	57.6	255.1	56.5	81.1	41.3	
										122.4	
										76.2	



# **ESTACIONES PLUVIOGRAFICAS**



Estación : SANTA ANA  
Año : 1998

Dpto. : CALDAS  
Mpio. : PALESTINA

Latitud : 5 ° 1' N  
Longitud : 75 ° 40' W  
Altitud : 1250 m

Enero			Febrero			Marzo		
Nº Día	Precipitación (mm)		Día	Noche	Total	Día	Noche	Total
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	5.9	5.9	2.4	0.0
3	0.0	0.0	44.6	0.0	44.6	0.0	0.0	0.0
4	0.0	0.0	0.0	3.9	3.9	0.0	0.0	0.0
5	0.0	5.9	0.0	.4	.4	0.0	0.0	0.0
6	0.0	12.1	12.1	0.0	0.0	0.0	0.0	0.0
7	16.0	0.0	16.0	0.0	58.5	58.5	0.0	4.7
8	0.0	0.0	0.0	5.6	1.0	6.6	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	.2	0.2
10	0.0	0.0	0.0	0.0	0.0	0.0	20.5	20.5
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	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	19.6	19.6	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	13.5	13.5	1.7	40.5	42.2	0.0	0.0
17	0.0	0.0	0.0	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
19	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	0.0	9.3	0.0	9.3
21	0.0	0.0	0.0	1.2	0.0	1.2	0.0	0.0
22	0.0	0.0	0.0	0.0	2.1	2.1	0.0	6.2
23	0.0	3.8	3.8	0.0	0.0	0.0	.9	0.9
24	0.0	0.0	0.0	.4	0.0	.4	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.9
26	0.0	0.0	0.0	0.0	0.0	0.0	17.8	28.5
27	0.0	0.0	0.0	0.0	.5	.5	0.0	13.5
28	0.0	0.0	0.0	0.0	0.0	0.0	.6	6.4
29	0.0	0.0	0.0	0.0	0.0	0.0	24.4	0.0
30	0.0	8.1	8.1	0.0	0.0	0.0	3.1	2.1
31	0.0	0.0	0.0	0.0	0.0	0.0	9.3	5.2
	16.0	43.4	59.4	53.5	132.4	185.9	68.0	82.8
								150.8
Abril			Mayo			Junio		
Nº Día	Precipitación (mm)		Día	Noche	Total	Día	Noche	Total
1	.2	2.6	2.8	3.5	24.8	28.3	1.3	3.1
2	9.6	20.4	30.0	7.1	27.0	34.1	.4	3.0
3	0.0	1.0	1.0	24.2	10.0	34.2	.5	0.0
4	.1	.1	.2	3.5	.2	3.7	0.0	14.8
5	0.0	0.0	0.0	0.0	.3	.3	0.0	0.0
6	.7	29.5	30.2	0.0	.6	.6	0.0	50.4
7	0.0	0.0	0.0	13.1	7.2	20.3	.4	0.0
8	.1	0.0	.1	0.0	0.0	0.0	3.0	.2
9	0.0	19.7	19.7	0.0	0.0	0.0	0.0	13.2
10	0.0	43.9	43.9	.2	.8	1.0	0.0	0.0
11	6.3	0.0	6.3	2.6	37.7	40.3	0.0	.1
12	0.0	0.0	0.0	.2	0.0	.2	0.0	0.0
13	10.8	12.1	22.9	0.0	0.0	0.0	0.0	4.0
14	0.0	0.0	0.0	0.0	1.4	1.4	0.0	43.5
15	.4	0.0	.4	0.0	0.0	0.0	1.6	10.8
16	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.7
17	0.0	32.1	32.1	.1	7.5	7.6	0.0	0.0
18	0.0	3.4	3.4	.2	16.6	16.8	0.0	0.0
19	.1	13.7	13.8	0.0	0.0	0.0	0.0	.1
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
21	0.0	17.8	17.8	0.0	0.0	0.0	.4	9.2
22	0.0	10.6	10.6	0.0	.6	.6	0.0	9.0
23	0.0	2.4	2.4	0.0	0.0	0.0	1.0	1.2
24	.4	11.6	12.0	.5	.8	1.3	0.0	0.0
25	0.0	47.0	47.0	1.2	19.8	21.0	0.0	0.0
26	.1	0.0	.1	7.4	32.5	39.9	0.0	0.0
27	0.0	3.6	3.6	8.4	15.6	24.0	1.5	.1
28	5.0	0.0	5.0	1.8	14.9	16.7	.8	1.2
29	0.0	.7	.7	.1	3.8	3.9	0.0	0.0
30	.3	.5	.8	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	8.7	8.7	0.0	0.0
	34.1	272.7	306.8	74.1	230.8	304.9	11.1	174.6
								185.7

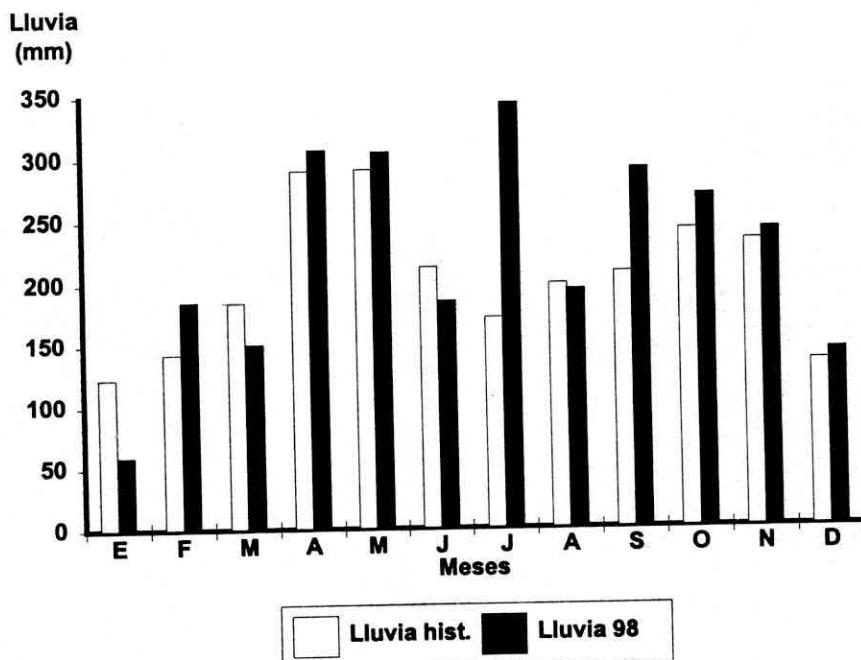
Estación : SANTA ANA  
Año : 1998

Dpto. : CALDAS  
Mpio. : PALESTINA

Latitud : 5 ° 1' N  
Longitud : 75 ° 40' W  
Altitud : 1250 m

Julio			Agosto			Septiembre		
Nº Día	Precipitación ( mm )		Día	Precipitación ( mm )		Día	Precipitación ( mm )	
	Día	Noche	Total	Noche	Total		Noche	Total
1	0.0	0.0	0.0	0.0	0.0	2.5	0.0	2.5
2	0.0	0.0	0.0	0.0	0.0	25.0	10.0	35.0
3	0.0	35.5	35.5	0.0	.1	.1	3.0	3.0
4	13.0	7.0	20.0	0.0	17.4	17.4	0.0	0.0
5	.4	19.8	20.2	0.0	12.3	12.3	0.0	0.0
6	1.7	11.3	13.0	0.0	.2	.2	0.0	0.0
7	.5	0.0	.5	17.0	0.0	17.0	0.0	0.0
8	0.0	19.5	19.5	0.0	0.0	5.0	0.0	5.0
9	22.6	7.4	30.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	17.0	17.0	0.0	0.0
11	1.4	15.5	16.9	0.0	0.0	5.2	35.8	41.0
12	0.0	7.0	7.0	0.0	0.0	2.0	5.3	7.3
13	0.0	5.0	5.0	0.0	29.0	29.0	0.0	1.6
14	0.0	.2	.2	0.0	8.2	8.2	0.0	15.0
15	0.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0
16	0.0	22.4	22.4	.5	0.0	.5	0.0	0.0
17	0.0	13.5	13.5	0.0	0.0	6.6	0.0	6.6
18	1.4	49.4	50.8	0.0	10.0	10.0	0.0	10.2
19	0.0	3.8	3.8	0.0	23.5	23.5	0.0	0.0
20	0.0	0.0	0.0	0.0	25.3	25.3	0.0	0.0
21	0.0	0.0	0.0	.9	0.0	.9	0.0	20.0
22	1.3	6.9	8.2	0.0	0.0	40.8	37.2	78.0
23	0.0	0.0	0.0	0.0	.5	.5	3.8	.1
24	0.0	0.0	0.0	12.0	0.0	12.0	0.0	0.0
25	14.1	0.0	14.1	0.0	6.3	6.3	0.0	34.6
26	0.0	.2	.2	0.0	0.0	.4	20.3	20.7
27	0.0	36.6	36.6	0.0	0.0	3.0	.5	.8
28	0.0	10.9	10.9	0.0	0.0	.2	0.0	.2
29	0.0	10.0	10.0	0.0	13.0	13.0	0.0	0.0
30	.4	0.0	.4	.9	.3	1.2	0.0	5.6
31	0.0	0.0	0.0	0.0	0.0	0.0	5.6	5.6
	56.8	286.9	343.7	31.3	163.1	194.4	94.8	196.2
								291.0
Octubre			Noviembre			Diciembre		
Nº Día	Precipitación ( mm )		Día	Precipitación ( mm )		Día	Precipitación ( mm )	
	Día	Noche	Total	Día	Noche	Total	Día	Noche
1	0.0	0.0	0.0	0.0	28.7	28.7	10.0	13.0
2	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0
3	0.0	10.0	10.0	0.0	0.0	0.0	12.0	0.0
4	0.0	1.0	1.0	.7	2.1	2.8	0.0	.1
5	0.0	51.0	51.0	0.0	6.7	6.7	0.0	4.0
6	0.0	4.3	4.3	.3	11.0	11.3	9.0	0.0
7	.4	0.0	.4	2.4	0.0	2.4	0.0	0.0
8	.8	0.0	.8	3.4	0.0	3.4	0.0	.5
9	0.0	1.0	1.0	30.0	0.0	30.0	0.0	1.3
10	0.0	.5	.5	0.0	0.0	0.0	0.0	1.4
11	1.3	0.0	1.3	0.0	0.0	0.0	.1	25.1
12	1.6	0.0	1.6	.8	2.5	3.3	0.0	0.0
13	0.0	0.0	0.0	0.0	18.4	18.4	0.0	0.0
14	0.0	0.0	0.0	5.6	0.0	5.6	7.0	0.0
15	0.0	33.0	33.0	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
17	0.0	1.6	1.6	16.0	0.0	16.0	0.0	0.0
18	0.0	4.5	4.5	0.0	0.0	0.0	0.0	1.5
19	7.7	.2	7.9	24.2	0.0	24.2	0.0	2.0
20	0.0	0.0	0.0	7.0	0.0	7.0	0.0	0.0
21	3.9	0.0	3.9	26.0	0.0	26.0	3.0	0.0
22	15.1	0.0	15.1	7.0	0.0	7.0	0.0	0.0
23	28.0	34.5	62.5	0.0	0.0	0.0	0.0	8.2
24	3.5	17.0	20.5	10.3	12.4	22.7	0.0	0.0
25	.1	15.7	15.8	0.0	0.0	0.0	18.7	0.0
26	0.0	0.0	0.0	0.0	3.9	3.9	0.0	.9
27	0.0	.8	.8	0.0	7.9	7.9	0.0	1.0
28	0.0	4.2	4.2	0.0	.3	.3	3.0	0.0
29	0.0	21.0	21.0	13.0	0.0	13.0	.2	0.0
30	0.0	.2	.2	0.0	1.6	1.6	0.0	0.0
31	1.8	5.0	6.8				0.0	0.0
	64.2	205.5	269.7	146.7	95.5	242.2	85.0	59.0
								144.0

### Santa Ana



Estación : LA ROMELIA  
Año : 1998

Dpto. : CALDAS  
Mpio. : CHINCHINA

Latitud : 4 ° 58' N  
Longitud : 75 ° 40' W  
Altitud : 1400 m

Enero			Febrero			Marzo			
Nº Día	Precipitación ( mm )		Precipitación ( mm )			Precipitación ( mm )			
	Día	Noche		Día	Noche		Día	Noche	
1	0.0	0.0	0.0	0.0	0.0	0.0	23.4	0.0	23.4
2	0.0	0.0	0.0	0.0	2.6	2.6	4.1	0.0	4.1
3	0.0	0.0	0.0	.2	.2	.4	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	.1	.1	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	.4	0.0	.4
6	0.0	0.0	0.0	0.0	.3	.3	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	89.1	89.1	0.0	4.8	4.8
8	0.0	0.0	0.0	7.5	.5	8.0	0.0	0.0	0.0
9	0.0	0.0	0.0	2.0	.6	2.6	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	.7	0.0	.7
11	0.0	.1	.1	0.0	0.0	0.0	0.0	7.4	7.4
12	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	.1	34.5	34.6	0.0	0.0	0.0
14	0.0	.4	.4	2.5	.6	3.1	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	12.6	12.6	0.0	0.0	0.0	1.0	.1	1.1
17	0.0	0.0	0.0	0.0	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	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	.2	0.0	.2	0.0	0.0	0.0	2.3	0.0	2.3
21	0.0	0.0	0.0	0.0	.3	.3	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	7.4
23	0.0	.3	.3	4.0	0.0	4.0	.7	0.0	.7
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
26	0.0	0.0	0.0	0.0	0.0	0.0	33.9	29.1	63.0
27	0.0	.9	.9	0.0	0.0	0.0	5.6	25.5	31.1
28	0.0	0.0	0.0	0.0	0.0	0.0	.8	2.7	3.5
29	0.0	0.0	0.0	0.0	0.0	0.0	26.2	.5	26.7
30	0.0	1.1	1.1	0.0	0.0	0.0	6.6	1.0	7.6
31	0.0	0.0	0.0	0.0	0.0	0.0	18.8	0.0	18.8
	.2	15.4	15.6	16.3	128.8	145.1	124.5	80.1	204.6

Abril			Mayo			Junio			
Nº Día	Precipitación ( mm )		Precipitación ( mm )			Precipitación ( mm )			
	Día	Noche		Día	Noche		Día	Noche	
1	2.3	1.7	4.0	18.5	4.8	23.3	1.2	.3	1.5
2	19.1	60.6	79.7	4.4	32.3	36.7	0.0	2.4	2.4
3	.5	1.3	1.8	43.4	12.1	55.5	.7	0.0	.7
4	0.0	0.0	0.0	3.5	.1	3.6	0.0	24.7	24.7
5	0.0	0.0	0.0	.4	.5	.9	0.0	0.0	0.0
6	.8	51.3	52.1	0.0	.2	.2	0.0	49.8	49.8
7	.1	0.0	.1	0.0	1.3	1.3	1.9	0.0	1.9
8	4.6	0.0	4.6	0.0	0.0	0.0	6.8	2.1	8.9
9	0.0	.9	.9	0.0	0.0	0.0	5.1	1.1	6.2
10	0.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
11	14.2	0.0	14.2	.5	10.6	11.1	0.0	.1	.1
12	0.0	.3	.3	1.3	0.0	1.3	0.0	0.0	0.0
13	.7	30.0	30.7	0.0	0.0	0.0	0.0	5.5	5.5
14	0.0	0.0	0.0	0.0	1.3	1.3	0.0	33.0	33.0
15	14.2	16.2	30.4	0.0	0.0	0.0	7.9	4.4	12.3
16	0.0	0.0	0.0	0.0	0.0	0.0	.3	.6	.9
17	7.2	1.1	8.3	1.4	.5	1.9	0.0	23.8	23.8
18	0.0	.1	.1	14.8	3.3	18.1	3.5	0.0	3.5
19	.1	15.3	15.4	0.0	0.0	0.0	0.0	6.7	6.7
20	.1	0.0	.1	0.0	0.0	0.0	.2	.1	.3
21	0.0	6.8	6.8	0.0	.1	.1	7.6	.6	8.2
22	0.0	3.6	3.6	.5	.3	.8	0.0	8.9	8.9
23	1.2	1.0	2.2	.3	0.0	.3	3.2	9.7	12.9
24	4.1	20.5	24.6	.6	.1	.7	0.0	0.0	0.0
25	3.2	0.0	3.2	4.5	13.4	17.9	0.0	0.0	0.0
26	.1	0.0	.1	2.5	27.6	30.1	0.0	0.0	0.0
27	0.0	3.2	3.2	11.9	34.4	46.3	.8	1.0	1.8
28	6.8	0.0	6.8	7.5	19.7	27.2	2.6	1.3	3.9
29	0.0	2.0	2.0	.1	2.5	2.6	0.0	0.0	0.0
30	0.0	.1	.1	0.0	.3	.3	0.0	0.0	0.0
31				1.4	5.6	7.0			
	79.3	217.5	296.8	117.5	171.0	288.5	41.8	176.1	217.9

Estación : LA ROMELIA  
Año : 1998

Dpto. : CALDAS  
Mpio. : CHINCHINA

Latitud : 4 ° 58' N  
Longitud : 75 ° 40' W  
Altitud : 1400 m

Nº Día	Julio			
	Precipitación ( mm )	Día	Noche	Total
1	0.0	0.0	0.0	
2	0.0	.2	.2	
3	.5	12.6	13.1	
4	3.9	17.9	21.8	
5	1.8	3.0	4.8	
6	22.0	0.0	22.0	
7	3.5	0.0	3.5	
8	0.0	11.4	11.4	
9	1.9	.7	2.6	
10	0.0	0.0	0.0	
11	0.0	9.1	9.1	
12	0.0	4.8	4.8	
13	0.0	9.6	9.6	
14	0.0	0.0	0.0	
15	1.4	11.3	12.7	
16	1.3	36.2	37.5	
17	0.0	27.0	27.0	
18	1.2	47.8	49.0	
19	.9	1.6	2.5	
20	0.0	0.0	0.0	
21	0.0	1.8	1.8	
22	1.8	18.1	19.9	
23	.4	0.0	.4	
24	0.0	0.0	0.0	
25	1.0	0.0	1.0	
26	0.0	0.0	0.0	
27	0.0	40.5	40.5	
28	0.0	5.3	5.3	
29	0.0	15.9	15.9	
30	3.0	0.0	3.0	
31	0.0	0.0	0.0	
	44.6	274.8	319.4	

Nº Día	Agosto			
	Precipitación ( mm )	Día	Noche	Total
1	0.0	0.0	0.0	
2	0.0	.0	.0	
3	.0	.2	.2	
4	0.0	34.3	34.3	
5	.2	4.5	4.7	
6	0.0	.4	.4	
7	0.0	18.9	18.9	
8	0.0	0.0	0.0	
9	0.0	0.0	0.0	
10	0.0	5.6	5.6	
11	0.0	0.0	0.0	
12	0.0	0.0	0.0	
13	0.0	42.3	42.3	
14	10.4	13.3	23.7	
15	0.0	0.0	0.0	
16	0.0	0.0	0.0	
17	0.0	0.0	0.0	
18	0.0	18.4	18.4	
19	.7	20.6	21.3	
20	0.0	8.3	8.4	
21	0.0	12.7	12.7	
22	0.0	.0	.3	
23	.3	0.0	.3	
24	0.0	.7	.7	
25	0.0	13.3	13.3	
26	0.0	9.1	9.1	
27	0.0	1.3	9.6	
28	0.0	0.0	0.0	
29	0.0	10.9	10.9	
30	0.0	0.0	0.0	
31	0.0	0.0	0.0	
	26.9	205.6	232.5	

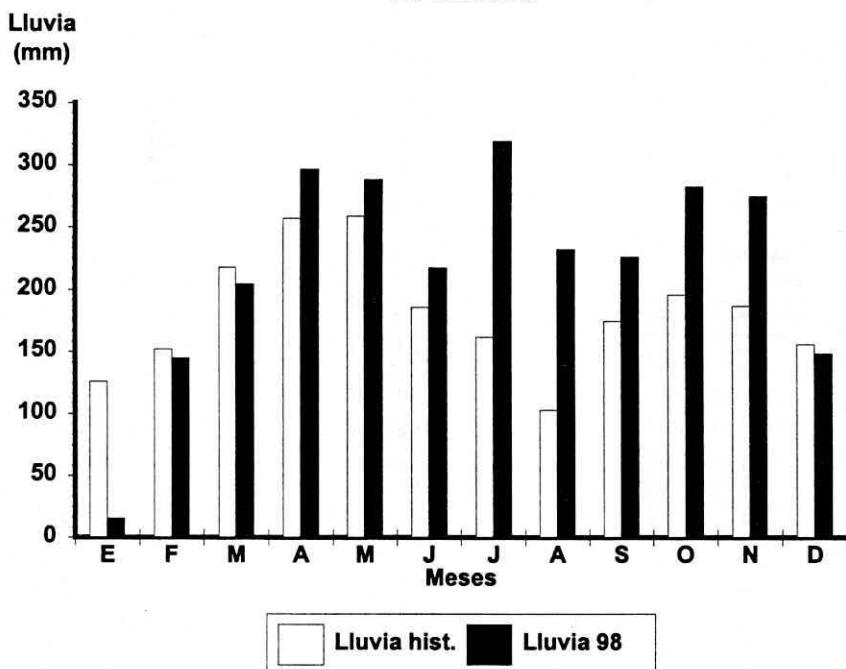
Nº Día	Septiembre			
	Precipitación ( mm )	Día	Noche	Total
1	0.0	.6	.6	
2	6.9	24.2	31.1	
3	3.8	.1	3.9	
4	0.0	0.0	0.0	
5	.5	0.0	.5	
6	0.0	0.0	0.0	
7	0.0	0.0	0.0	
8	5.6	.3	5.9	
9	0.0	4.4	4.4	
10	0.0	0.0	0.0	
11	0.0	19.3	19.3	
12	4.5	4.3	8.8	
13	0.0	1.8	1.8	
14	9.9	18.0	27.9	
15	2.2	0.0	2.2	
16	0.0	0.0	0.0	
17	11.3	0.0	11.3	
18	2.4	0.0	2.4	
19	0.0	.3	.3	
20	1.6	0.0	1.6	
21	0.0	30.3	30.3	
22	3.0	46.2	49.2	
23	0.0	0.0	0.0	
24	0.0	0.0	0.0	
25	0.0	21.7	21.7	
26	0.0	2.8	2.8	
27	0.0	0.0	0.0	
28	0.0	0.0	0.0	
29	0.0	.4	.4	
30	0.0	0.0	0.0	
31	0.0	0.0	0.0	
	51.8	174.7	226.5	

Nº Día	Octubre			
	Precipitación ( mm )	Día	Noche	Total
1	0.0	0.0	0.0	
2	.5	0.0	.5	
3	0.0	2.5	2.5	
4	0.0	4.1	4.1	
5	0.0	47.2	47.2	
6	.8	1.4	2.2	
7	1.5	0.0	1.5	
8	.5	0.0	.5	
9	.4	0.0	.4	
10	0.0	1.9	1.9	
11	.2	0.0	.2	
12	.8	0.0	.8	
13	.5	0.0	.5	
14	5.0	0.0	5.0	
15	0.0	11.3	11.3	
16	0.0	0.0	0.0	
17	0.0	5.5	5.5	
18	0.0	2.6	2.6	
19	3.7	0.0	3.7	
20	2.3	0.0	2.3	
21	6.6	0.0	6.6	
22	25.8	0.0	25.8	
23	18.0	30.0	48.0	
24	6.5	19.5	26.0	
25	6.3	30.0	36.3	
26	0.0	0.0	0.0	
27	0.0	0.0	0.0	
28	0.0	11.0	11.0	
29	0.0	30.2	30.2	
30	0.0	0.0	0.0	
31	.3	5.9	6.2	
	79.7	203.1	282.8	

Nº Día	Noviembre			
	Precipitación ( mm )	Día	Noche	Total
1	0.0	35.2	35.2	
2	0.0	.3	.3	
3	1.3	0.0	1.3	
4	2.8	1.7	4.5	
5	2.2	4.2	4.4	
6	0.0	14.0	14.0	
7	2.6	0.0	2.6	
8	0.0	1.0	1.0	
9	2.0	14.8	16.8	
10	0.0	0.0	0.0	
11	.1	0.0	.1	
12	.2	0.0	.2	
13	0.0	8.5	8.5	
14	7.7	0.0	7.7	
15	0.0	0.0	0.0	
16	0.0	.2	.2	
17	0.0	1.6	1.6	
18	0.0	12.4	12.7	
19	12.1	0.0	12.1	
20	18.3	0.0	18.3	
21	0.0	25.6	26.5	
22	0.0	0.0	0.0	
23	4.6	29.3	33.9	
24	0.0	0.0	0.0	
25	0.0	0.0	0.0	
26	0.0	0.0	0.0	
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	0.0	0.0	0.0	
	83.3	191.8	275.1	

Nº Día	Diciembre			
	Precipitación ( mm )	Día	Noche	Total
1	3.7	1.0	4.7	
2	19.5	.1	19.6	
3	2.8	0.0	2.8	
4	0.0	0.0	0.0	
5	0.0	.6	.6	
6	0.0	0.0	0.0	
7	0.0	0.0	0.0	
8	0.0	7.9	7.9	
9	0.0	.1	.1	
10	0.0	0.0	0.0	
11	15.3	0.0	15.3	
12	0.0	1.9	1.9	
13	0.0	7.9	7.9	
14	0.0	0.0	0.0	
15	0.0	2.4	2.4	
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	0.0	0.0	
23	0.0	0.0	0.0	
24	0.0	0.0	0.0	
25	0.0	0.0	0.0	
26	0.0	0.0	0.0	
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	0.0	0.0	0.0	
	101.8	47.0	148.8	

### La Romelia



**Estación : PLANTA DE TRATAMIENTO  
Año : 1998**

Dpto. : RISARALDA  
Mpio. : PEREIRA

**Latitud : 4 ° 48' N  
Longitud : 75 ° 40' W  
Altitud : 1450 m**

Enero			Febrero			Marzo			
	Precipitación ( mm )		Precipitación ( mm )		Precipitación ( mm )				
Nº Día	Día	Noche	Día	Noche	Total	Día	Noche	Total	
1	.8	0.0	0.0	0.0	.8	0.0	0.0	0.0	
2	0.0	0.0	3.8	.6	4.4	54.6	.1	54.7	
3	0.0	0.0	28.2	0.0	28.2	1.2	0.0	1.2	
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	2.9	0.0	0.0	0.0	0.0	5.4	0.0	5.4	
6	0.0	.9	7.0	64.8	71.8	.3	0.0	.3	
7	0.0	0.0	0.0	0.0	0.0	11.3	5.6	16.9	
8	0.0	0.0	5.4	14.1	19.5	.1	0.0	.1	
9	0.0	0.0	1.0	0.0	1.0	.3	0.0	.3	
10	0.0	0.0	0.0	0.0	0.0	0.0	27.9	27.9	
11	0.0	0.0	1.4	0.0	1.4	11.5	0.0	11.5	
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13	.6	0.0	3.4	35.6	39.0	.1	0.0	.1	
14	12.0	0.0	2.6	.1	2.7	.2	0.0	.2	
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16	1.4	0.0	0.0	0.0	0.0	3.0	0.0	3.0	
17	0.0	0.0	0.0	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	
19	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20	0.0	0.0	0.0	0.0	0.0	15.4	.1	15.5	
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22	0.0	0.0	20.9	.5	21.4	.6	4.1	4.7	
23	0.0	0.0	2.5	0.0	2.5	25.0	.1	25.1	
24	0.0	0.0	0.0	0.0	0.0	3.4	0.0	3.4	
25	0.0	0.0	0.0	0.0	0.0	0.0	9.5	9.5	
26	.8	0.0	10.6	0.0	10.6	1.5	6.0	7.5	
27	0.0	0.0	.1	0.0	.1	0.0	23.2	23.2	
28	0.0	0.0	.9	0.0	.9	19.3	0.0	19.3	
29	.1	0.0	0.0	0.0	0.0	2.3	18.7	21.0	
30	1.5	0.0	0.0	0.0	1.5	25.1	.7	25.8	
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	21.1	9	22.0	87.8	115.7	203.5	180.6	96.0	276.6

Estación : PLANTA DE TRATAMIENTO  
Año : 1998

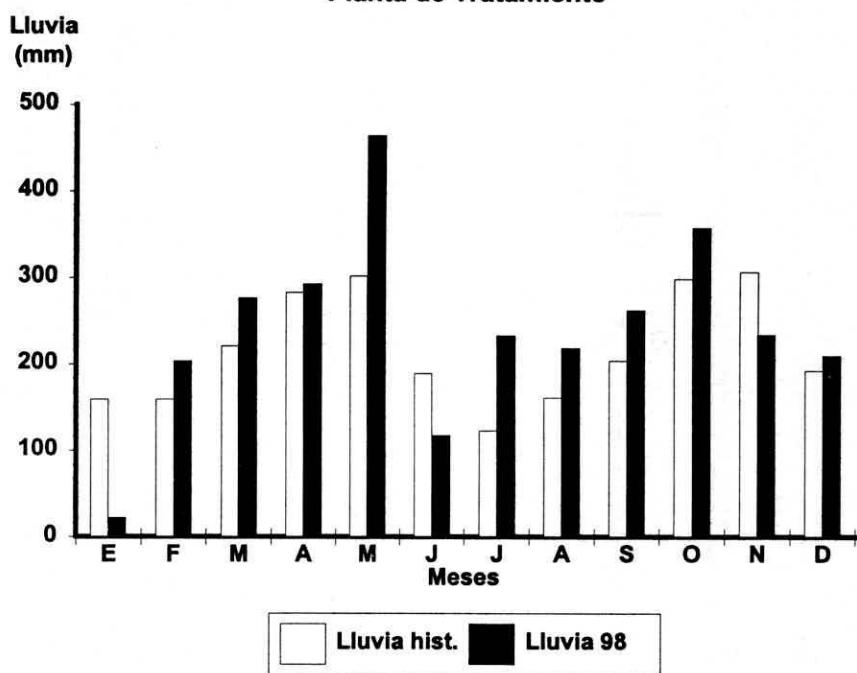
Dpto. : RISARALDA  
Mpio. : PEREIRA

Latitud : 4 ° 48' N  
Longitud : 75 ° 40' W  
Altitud : 1450 m

Nº Día	Julio			Agosto			Septiembre		
	Precipitación	( mm )	Total	Precipitación	( mm )	Total	Precipitación	( mm )	Total
Día	Noche		Día	Noche		Día	Noche		
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6
2	0.0	0.0	0.0	0.0	0.0	0.0	2.3	33.5	35.8
3	2.4	59.7	62.1	0.0	.1	.1	55.5	13.8	69.3
4	.9	11.6	12.5	0.0	24.7	24.7	6.0	.9	6.9
5	13.4	15.3	28.7	0.0	5.4	5.4	0.0	0.0	0.0
6	2.1	1.1	3.2	.8	.1	.9	0.0	0.0	0.0
7	7.5	0.0	7.5	.5	44.0	44.5	0.0	.4	.4
8	.4	.8	1.2	1.2	0.0	1.2	3.0	1.2	4.2
9	.3	.2	.5	1.6	0.0	1.6	0.0	0.0	0.0
10	0.0	.1	.1	0.0	1.8	1.8	2.5	0.0	2.5
11	.6	.3	.9	0.0	0.0	0.0	2.4	9.5	11.9
12	1.0	0.0	1.0	0.0	0.0	0.0	13.4	0.0	13.4
13	0.0	0.0	0.0	.1	0.0	.1	1.5	1.2	2.7
14	.2	0.0	.2	0.0	31.2	31.2	3.3	2.5	5.8
15	.5	1.9	2.4	12.6	.7	13.3	1.1	0.0	1.1
16	.7	3.1	3.8	1.6	0.0	1.6	5.1	0.0	5.1
17	.4	6.6	7.0	.6	0.0	.6	8.2	0.0	8.2
18	1.0	51.5	52.5	0.0	0.0	0.0	0.0	2.3	2.3
19	.3	0.0	.3	.5	17.4	17.9	0.0	0.0	0.0
20	7.4	0.0	7.4	2.5	1.9	4.4	.3	0.0	.3
21	0.0	0.0	0.0	.4	0.0	.4	0.0	6.8	6.8
22	.8	.5	1.3	3.7	0.0	3.7	34.8	19.0	53.8
23	0.0	0.0	0.0	2.2	.1	2.3	4.4	0.0	4.4
24	1.1	0.0	1.1	.4	6.8	7.2	0.0	0.0	0.0
25	.3	0.0	.3	3.0	4.9	7.9	0.0	17.8	17.8
26	2.4	0.0	2.4	1.4	1.1	2.5	.6	.9	1.5
27	.1	2.5	2.6	0.0	0.0	0.0	.5	0.0	.5
28	.4	0.0	.4	0.0	0.0	0.0	1.4	0.0	1.4
29	0.0	0.0	0.0	0.0	16.6	16.6	0.0	0.0	0.0
30	20.0	0.0	20.0	28.6	0.0	28.6	0.0	0.0	0.0
31	13.6	0.0	13.6	0.0	0.0	0.0	0.0	0.0	0.0
	77.8	155.2	233.0	61.7	156.8	218.5	146.3	116.4	262.7

Nº Día	Octubre			Noviembre			Diciembre		
	Precipitación	( mm )	Total	Precipitación	( mm )	Total	Precipitación	( mm )	Total
Día	Noche		Día	Noche		Día	Noche		
1	.5	20.9	21.4	0.0	0.0	0.0	0.0	38.4	38.4
2	0.0	0.0	0.0	0.0	0.0	0.0	2.2	6.7	8.9
3	5.6	0.0	5.6	0.0	0.0	0.0	.1	0.0	.1
4	.3	18.4	18.7	0.0	0.0	0.0	5.3	0.0	5.3
5	.9	26.4	27.3	0.0	0.0	0.0	0.0	2.6	2.6
6	2.0	.5	2.5	0.0	0.0	0.0	9.6	1.1	10.7
7	7.7	0.0	7.7	0.0	0.0	0.0	7.6	0.0	7.6
8	4.6	0.0	4.6	0.0	0.0	0.0	0.0	.9	.9
9	4.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
10	.2	0.0	.2	0.0	0.0	0.0	.7	0.0	.7
11	0.0	.4	.4	1.5	0.0	1.5	1.4	2.8	4.2
12	3.0	0.0	3.0	.3	4.8	5.1	22.8	1.3	24.1
13	.3	0.0	.3	4.5	2.4	6.9	1.9	0.0	1.9
14	.9	0.0	.9	6.3	0.0	6.3	.1	0.0	.1
15	21.6	.4	22.0	2.4	0.0	2.4	7.3	0.0	7.3
16	0.0	0.0	0.0	.9	0.0	.9	0.0	0.0	0.0
17	18.4	12.8	31.2	0.0	21.4	21.4	2.4	0.0	2.4
18	0.0	12.7	12.7	.9	0.0	.9	1.3	9.2	10.5
19	.4	.7	1.1	.8	15.8	16.6	0.0	0.0	0.0
20	1.1	0.0	1.1	27.4	8.3	35.7	2.4	5.4	7.8
21	35.5	0.0	35.5	.4	30.7	31.1	.2	0.0	.2
22	16.8	0.0	16.8	3.0	0.0	3.0	1.3	0.0	1.3
23	21.9	34.4	56.3	.1	17.0	17.1	.7	.1	.8
24	1.3	23.5	24.8	14.0	5.4	19.4	0.0	0.0	0.0
25	.7	30.2	30.9	0.0	.1	.1	20.7	.2	20.9
26	.9	0.0	.9	0.0	18.5	18.5	9.2	.3	9.5
27	5.0	0.0	5.0	6.7	7.6	14.3	0.0	0.0	0.0
28	0.0	0.0	0.0	10.2	3.1	13.3	3.2	0.0	3.2
29	10.0	0.0	10.0	0.0	18.9	18.9	40.0	0.0	40.0
30	3.0	0.0	3.0	0.0	.5	.5	.1	0.0	.1
31	0.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
	166.6	191.3	357.9	79.4	154.5	233.9	140.5	69.0	209.5

### Planta de Tratamiento



Estación : SANTIAGO GUTIERREZ  
Año : 1998

Dpto. : VALLE  
Mpio. : ARGELIA

Latitud : 4 ° 43' N  
Longitud : 76 ° 7' W  
Altitud : 1550 m

Enero				Febrero				Marzo			
Nº Día	Precipitación ( mm )			Nº Día	Precipitación ( mm )			Nº Día	Precipitación ( mm )		
	Día	Noche	Total		Día	Noche	Total		Día	Noche	Total
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	0.0	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	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	0.0	0.0
5	0.0	4.2	4.2	0.0	0.0	0.0	0.0	37.1	0.0	0.0	37.1
6	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	2.1	0.0	2.1	22.0	0.0	22.0	22.0	28.9	.4	29.3	
8	0.0	0.0	0.0	26.0	0.0	26.0	26.0	8.2	0.0	8.2	
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	0.0	35.0	
10	0.0	0.0	0.0	2.3	0.0	2.3	2.3	0.0	3.3	3.3	
11	0.0	0.0	0.0	11.2	0.0	11.2	11.2	.8	0.0	.8	
12	0.0	5.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13	4.3	.8	5.1	.4	35.2	35.6	35.6	0.0	0.0	0.0	
14	13.8	0.0	13.8	.1	.2	.3	.3	0.0	0.0	0.0	
15	0.0	0.0	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	0.0	0.0	0.0	0.0	
17	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	
19	0.0	.9	.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20	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	0.0	
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	4.3	8.1	
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	.6	2.4	
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.7	17.7	
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.6	.6	
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	0.0	4.7	4.7	4.7	.7	0.0	.7	
29	0.0	0.0	0.0					5.7	0.0	5.7	
30	0.0	0.0	0.0					.4	0.0	.4	
31	0.0	0.0	0.0					18.3	0.0	18.3	
	21.8	11.4	33.2		62.0	40.1	102.1		140.7	26.9	167.6
Abril				Mayo				Junio			
Nº Día	Precipitación ( mm )			Nº Día	Precipitación ( mm )			Nº Día	Precipitación ( mm )		
	Día	Noche	Total		Día	Noche	Total		Día	Noche	Total
1	9.7	.2	9.9								1.0
2	1.5	9.1	10.6								0.0
3	7.7	7.9	15.6								11.0
4	0.0	0.0	0.0								1.0
5	.6	0.0	.6								0.0
6	.5	2.1	2.6								0.0
7	0.0	.6	.6								26.0
8	0.0	.4	.4								16.0
9	.5	0.0	.5								0.0
10	.7	2.6	3.3								0.0
11	0.0	5.5	5.5								0.0
12	0.0	0.0	0.0								0.0
13	8.5	1.0	9.5								3.0
14	0.0	0.0	0.0								0.0
15	0.0	0.0	0.0								0.0
16	.8	0.0	.8								0.0
17	0.0	42.4	42.4								4.0
18	0.0	0.0	0.0								0.0
19	4.5	6.3	10.8								0.0
20	0.0	0.0	0.0								0.0
21	.2	4.0	4.2								5.0
22	2.3	.5	2.8								5.0
23	0.0	0.0	0.0								0.0
24	2.3	5.2	7.5								0.0
25	0.0	1.5	1.5								0.0
26	6.1	.3	6.4								2.0
27	0.0	.4	.4								3.0
28	3.1	2.2	5.3								0.0
29	0.0	.4	.4								0.0
30	21.8	0.0	21.8								0.0
31	70.8	92.6	163.4								78.0

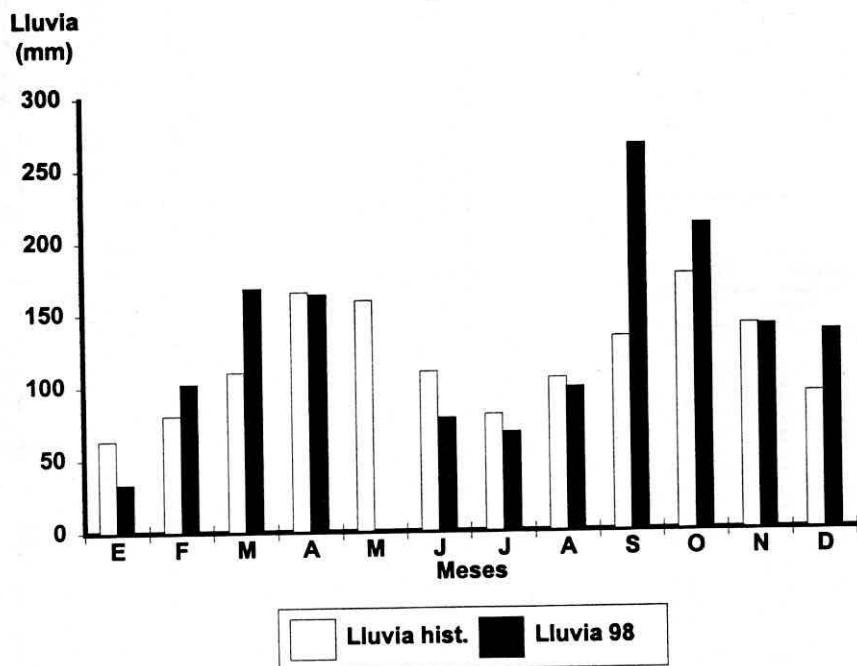
Estación : SANTIAGO GUTIERREZ  
Año : 1998

Dpto. : VALLE  
Mpio. : ARGELIA

Latitud : 4 ° 43' N  
Longitud : 76 ° 7' W  
Altitud : 1550 m

Julio			Agosto			Septiembre			
Nº Día	Precipitación (mm)		Día	Noche	Total	Día	Noche	Total	
	Día	Noche		Día	Noche		Día	Noche	Total
1		3.0		0.0	1.8	1.8	.9	4.6	5.5
2		13.0		0.0	0.0	0.0	.7	28.2	28.9
3		0.0		0.0	.7	.7	8.3	0.0	8.3
4		4.0		0.0	0.0	0.0	28.8	0.0	28.8
5		0.0		.6	2.2	2.8	0.0	0.0	0.0
6		2.0		.6	0.0	.6	0.0	0.0	0.0
7		3.0		0.0	8.2	8.2	3.8	0.0	3.8
8		0.0		0.0	0.0	0.0	5.3	.5	5.8
9		2.0		0.0	0.0	0.0	0.0	.9	.9
10		4.0		.1	15.0	15.1	.2	0.0	.2
11		1.0		0.0	0.0	0.0	0.0	0.0	0.0
12		0.0		0.0	9.2	9.2	19.6	6.4	26.0
13		0.0		2.6	0.0	2.6	0.0	25.0	25.0
14		0.0		0.0	2.7	2.7	2.1	6.3	8.4
15		5.0		1.8	0.0	1.8	.7	1.2	1.9
16		8.0		0.0	0.0	0.0	0.0	0.0	0.0
17		0.0		10.7	.4	11.1	.2	0.0	.2
18		0.0		0.0	0.0	0.0	.5	0.0	.5
19		0.0		0.0	0.0	0.0	0.0	0.0	0.0
20		1.0		0.0	3.0	3.0	0.0	0.0	0.0
21		7.0		0.0	0.0	0.0	0.0	0.0	0.0
22		0.0		0.0	0.0	0.0	0.0	1.3	67.7
23		10.0		0.0	.9	.9	4.9	0.0	4.9
24		1.0		0.0	10.3	10.3	0.0	0.0	0.0
25		0.0		1.3	8.4	9.7	3.8	2.9	6.7
26		0.0		3.7	.6	4.3	22.6	5.6	28.2
27		1.0		0.0	0.0	0.0	10.1	2.7	12.8
28		0.0		0.0	0.0	0.0	.2	0.0	.2
29		0.0		0.0	0.0	0.0	0.0	0.0	0.0
30		1.0		1.5	12.3	13.8	0.0	0.0	0.0
31		2.0		0.0	0.0	0.0	0.0	0.0	0.0
		68.0		22.9	75.7	98.6	114.0	152.0	266.0
Octubre			Noviembre			Diciembre			
Nº Día	Precipitación (mm)		Día	Noche	Total	Día	Noche	Total	
	Día	Noche		Día	Noche		Día	Noche	Total
1	.6	.1	.7	0.0	0.0	0.0	.7	19.6	20.3
2	0.0	0.0	0.0	0.0	.8	.8	6.4	0.0	6.4
3	.3	0.0	.3	.5	0.0	.5	6.1	0.0	6.1
4	0.0	0.0	0.0	1.3	0.0	1.3	15.7	0.0	15.7
5	4.0	17.3	21.3	2.7	2.3	5.0	7.4	0.0	7.4
6	11.7	7.4	19.1	1.8	3.3	5.1	1.9	9.9	11.8
7	2.8	0.0	2.8	6.3	0.0	6.3	11.0	0.0	11.0
8	0.0	0.0	0.0	.7	6.4	7.1	0.0	0.0	0.0
9	0.0	0.0	0.0	1.8	4.7	6.5	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	1.2	0.0	1.2	0.0	.4	.4	0.0	0.0	0.0
13	.9	0.0	.9	3.9	1.2	5.1	.8	0.0	.8
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
15	.3	15.0	15.3	0.0	0.0	0.0	2.5	0.0	2.5
16	6.1	0.0	6.1	4.4	0.0	4.4	0.0	0.0	0.0
17	15.0	.1	15.1	.5	8.5	9.0	12.5	0.0	12.5
18	0.0	16.9	16.9	4.7	.1	4.8	0.0	4.2	4.2
19	0.0	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	41.2	0.0	41.2	0.0	9.1	9.1	1.0	0.0	1.0
22	0.0	0.0	0.0	40.0	0.0	40.0	2.6	0.0	2.6
23	.2	0.0	.2	0.0	1.2	1.2	3.8	0.0	3.8
24	.3	11.0	11.3	12.5	4.1	16.6	0.0	0.0	0.0
25	6.4	18.9	25.3	0.0	0.0	0.0	0.0	.4	.4
26	0.0	.1	.1	2.7	.3	3.0	0.0	0.0	0.0
27	.9	0.0	.9	11.0	.8	11.8	.4	0.0	.4
28	.7	2.8	3.5	.5	0.0	.5	.5	.1	.6
29	3.0	10.0	13.0	0.0	1.8	1.8	10.9	0.0	10.9
30	6.0	4.2	10.2	0.0	0.0	0.0	0.0	0.0	0.0
31	1.8	.6	2.4				0.0	14.2	14.2
	103.4	107.6	211.0	95.3	45.0	140.3	84.2	52.0	136.2

### Santiago Gutierrez



Estación : EL RECREO  
Año : 1998

Dpto. : VALLE  
Mpio. : ULLOA

Latitud : 4 ° 42' N  
Longitud : 75 ° 44' W  
Altitud : 1410 m

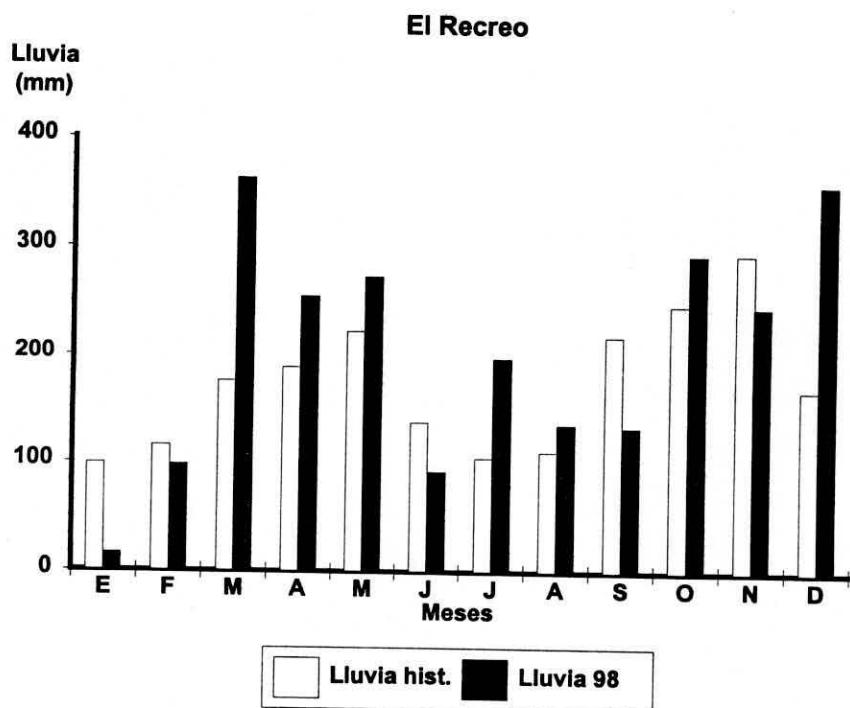
Enero			Febrero			Marzo					
Nº Día	Precipitación ( mm )		Día	Precipitación ( mm )		Día	Precipitación ( mm )		Día	Precipitación ( mm )	
	Día	Noche	Total		Día	Noche	Total		Día	Noche	Total
1	0.0	0.0	0.0		0.0	0.0	0.0		5.0	1.7	6.7
2	0.0	0.0	0.0		.2	0.0	.2		22.1	0.0	22.1
3	0.0	0.0	0.0		7.1	0.0	7.1		0.0	0.0	0.0
4	0.0	0.0	0.0		0.0	0.0	0.0		19.1	0.0	19.1
5	0.0	0.0	0.0		9.2	0.0	9.2		4.2	0.0	4.2
6	0.0	0.0	0.0		0.0	9.9	9.9		0.0	0.0	0.0
7	3.5	0.0	3.5		0.0	48.2	48.2		10.5	5.6	16.1
8	0.0	0.0	0.0		4.1	4.5	8.6		.2	0.0	.2
9	0.0	0.0	0.0		0.0	.7	.7		.3	0.0	.3
10	0.0	0.0	0.0		.7	1.3	2.0		0.0	1.7	1.7
11	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0
12	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		3.3	6.2	9.5		4.8	0.0	4.8
14	0.0	.1	.1		.1	.7	.8		0.0	0.0	0.0
15	.4	0.0	.4		0.0	0.0	0.0		19.8	0.0	19.8
16	0.0	0.0	0.0		0.0	0.0	0.0		1.3	0.0	1.3
17	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0
18	0.0	0.0	0.0		0.0	0.0	0.0		1.2	0.0	1.2
19	0.0	0.0	0.0		0.0	0.0	0.0		0.0	9.1	9.1
20	0.0	0.0	0.0		0.0	0.0	0.0		20.3	.1	20.4
21	5.7	0.0	5.7		0.0	0.0	0.0		0.0	0.0	0.0
22	0.0	0.0	0.0		.7	0.0	.7		19.6	2.0	21.6
23	.2	0.0	.2		0.0	0.0	0.0		25.5	.3	25.8
24	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0
25	0.0	0.0	0.0		0.0	0.0	0.0		29.2	26.7	55.9
26	0.0	0.0	0.0		1.3	0.0	1.3		4.3	.9	5.2
27	0.0	0.0	0.0		0.0	0.0	0.0		0.0	39.0	39.0
28	.1	0.0	.1		0.0	0.0	0.0		3.9	.4	4.3
29	6.3	0.0	6.3		0.0	0.0	0.0		13.0	37.2	50.2
30	.2	0.0	.2		0.0	0.0	0.0		9.1	20.1	29.2
31	0.0	0.0	0.0						4.9	0.0	4.9
	16.4	.1	16.5		26.7	71.5	98.2		218.3	144.8	363.1
Abril			Mayo			Junio					
Nº Día	Precipitación ( mm )		Día	Precipitación ( mm )		Día	Precipitación ( mm )		Día	Precipitación ( mm )	
	Día	Noche	Total		Día	Noche	Total		Día	Noche	Total
1	0.0	.2	.2		14.1	1.5	15.6		7.5	3.5	11.0
2	14.4	8.3	22.7		.3	31.9	32.2		0.0	3.2	3.2
3	1.6	5.2	6.8		24.1	22.2	46.3		0.0	0.0	0.0
4	.2	0.0	.2		7.6	.1	7.7		0.0	0.0	0.0
5	63.4	8.5	71.9		0.0	.2	.2		0.0	0.0	0.0
6	0.0	0.0	0.0		0.0	1.0	1.0		8.3	0.0	8.3
7	0.0	0.0	0.0		2.0	1.3	3.3		2.4	2.2	4.6
8	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0
9	0.0	0.0	0.0		0.0	0.0	0.0		4.6	0.0	4.6
10	21.4	27.9	49.3		0.0	9.3	9.3		0.0	0.0	0.0
11	17.0	0.0	17.0		0.0	0.0	0.0		0.0	0.0	0.0
12	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0
13	.3	1.8	2.1		0.0	0.0	0.0		0.0	19.5	19.5
14	0.0	0.0	0.0		7.6	.2	7.8		13.2	.3	13.5
15	0.0	0.0	0.0		0.0	0.0	0.0		0.0	1.2	1.2
16	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0
17	.2	.4	.6		0.0	0.0	0.0		0.0	0.0	0.0
18	.3	0.0	.3		0.0	0.0	0.0		4.5	0.0	4.5
19	4.0	11.3	15.3		0.0	0.0	0.0		1.6	.2	1.8
20	0.0	0.0	0.0		1.1	0.0	1.1		.2	1.2	1.4
21	7.5	0.0	7.5		.4	0.0	.4		.2	0.0	.2
22	8.5	.1	8.6		4.1	0.0	4.1		14.1	.1	14.2
23	4.2	7.0	11.2		0.0	0.0	0.0		0.0	0.0	0.0
24	0.0	.5	.5		5.3	0.0	5.3		0.0	0.0	0.0
25	3.4	9.1	12.5		1.9	33.5	35.4		3.0	0.0	3.0
26	.2	.6	.8		.9	10.1	11.0		1.0	0.0	1.0
27	0.0	0.0	0.0		15.4	11.1	26.5		.2	0.0	.2
28	2.3	0.0	2.3		14.6	11.5	26.1		0.0	0.0	0.0
29	0.0	7.0	7.0		1.3	0.0	1.3		0.0	0.0	0.0
30	18.2	0.0	18.2		0.0	0.0	0.0		0.0	0.0	0.0
31					38.7	0.0	38.7				
	167.1	87.9	255.0		139.4	133.9	273.3		60.8	31.4	92.2

Estación : EL RECREO  
Año : 1998

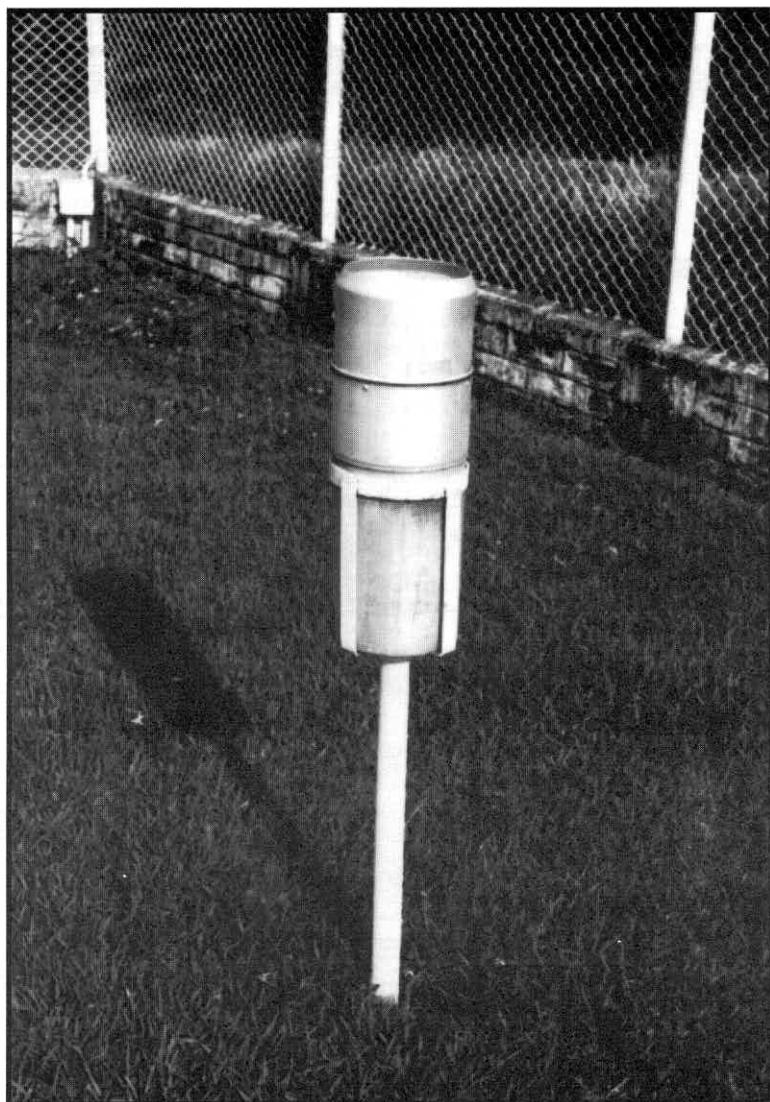
Dpto. : VALLE  
Mpio. : ULLOA

Latitud : 4 ° 42' N  
Longitud : 75 ° 44' W  
Altitud : 1410 m

Nº Día	Julio			Agosto			Septiembre		
	Precipitación	( mm )	Total	Precipitación	( mm )	Total	Precipitación	( mm )	Total
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	4.4	0.0	4.4	0.0	0.0	0.0	0.0	7.3	7.3
3	1.9	1.8	3.7	0.0	0.0	0.0	7.0	4.0	11.0
4	0.0	28.5	28.5	.5	8.6	9.1	1.5	0.0	1.5
5	0.0	0.0	0.0	1.1	6.3	7.4	0.0	0.0	0.0
6	14.0	19.0	33.0	0.0	.3	.3	0.0	0.0	0.0
7	4.4	0.0	4.4	.5	38.5	39.0	0.0	.4	.4
8	0.0	3.0	3.0	1.8	0.0	1.8	4.0	.3	4.3
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	5.0	5.0	.9	0.0	.9
11	0.0	0.0	0.0	.6	0.0	.6	1.5	19.7	21.2
12	0.0	0.0	0.0	0.0	0.0	0.0	16.9	10.7	27.6
13	.6	0.0	.6	1.1	0.0	1.1	0.0	1.2	1.2
14	0.0	0.0	0.0	9.0	.1	9.1	.7	1.9	2.6
15	0.0	7.5	7.5	15.0	0.0	15.0	.1	.3	.4
16	7.0	0.0	7.0	5.6	0.0	5.6	.2	0.0	.2
17	3.5	15.5	19.0	12.0	0.0	12.0	12.0	0.0	12.0
18	.5	20.0	20.5	0.0	2.0	2.0	0.0	0.0	0.0
19	.2	.1	.3	0.0	3.2	3.2	0.0	0.0	0.0
20	0.0	0.0	0.0	2.7	6.0	8.7	1.3	.2	1.5
21	0.0	11.0	11.0	0.0	0.0	0.0	0.0	1.0	1.0
22	.5	0.0	.5	5.0	0.0	5.0	8.5	20.9	29.4
23	2.7	0.0	2.7	4.4	0.0	4.4	.7	0.0	.7
24	0.0	.6	.6	0.0	.6	.6	0.0	0.0	0.0
25	1.7	0.0	1.7	1.5	2.0	3.5	.7	.1	.8
26	31.0	8.0	39.0	0.0	.6	.6	6.5	1.6	8.1
27	.6	0.0	.6	.2	0.0	.2	.4	1.2	1.6
28	.1	.6	.7	0.0	0.0	0.0	0.0	0.0	0.0
29	.6	1.8	2.4	.9	0.0	.9	0.0	.4	.4
30	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0
31	4.9	0.0	4.9	1.5	0.0	1.5	0.0	0.0	0.0
	80.2	117.4	197.6	63.4	73.2	136.6	62.9	71.2	134.1
Nº Día	Octubre			Noviembre			Diciembre		
	Precipitación	( mm )	Total	Precipitación	( mm )	Total	Precipitación	( mm )	Total
1	0.0	0.0	0.0	6.6	0.0	6.6	0.0	1.6	1.6
2	0.0	0.0	0.0	0.0	4.6	4.6	16.7	18.6	35.3
3	13.0	0.0	13.0	0.0	0.0	0.0	1.2	0.0	1.2
4	.7	0.0	.7	0.0	.3	.3	.8	0.0	.8
5	17.4	12.2	29.6	20.3	0.0	20.3	0.0	32.4	32.4
6	3.0	1.6	4.6	17.8	5.0	22.8	.9	16.0	16.9
7	7.0	0.0	7.0	0.0	0.0	0.0	1.7	0.0	1.7
8	.1	0.0	.1	6.9	0.0	6.9	0.0	5.0	5.0
9	0.0	0.0	0.0	26.0	61.0	87.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	.1	.1	.4	1.1	1.5
11	0.0	0.0	0.0	.7	0.0	.7	34.4	.7	35.1
12	1.8	0.0	1.8	.2	0.0	.2	.9	0.0	.9
13	.3	0.0	.3	0.0	.5	.5	8.4	0.0	8.4
14	0.0	0.0	0.0	1.2	0.0	1.2	18.8	.1	18.9
15	.1	8.7	8.8	5.4	0.0	5.4	13.7	0.0	13.7
16	.4	0.0	.4	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	17.3	17.3	2.5	0.0	2.5	1.0	0.0	1.0
18	.5	18.2	18.7	0.0	0.0	0.0	1.6	.3	1.9
19	0.0	17.8	17.8	.8	1.4	2.0	0.0	0.0	0.0
20	9.6	0.0	9.6	0.0	.2	.2	5.8	7.9	13.7
21	24.9	0.0	24.9	10.0	12.0	22.0	0.0	6.9	6.9
22	10.2	0.0	10.2	.5	0.0	.5	0.0	0.0	0.0
23	7.5	7.5	15.0	0.0	1.4	1.4	0.0	1.6	1.6
24	5.3	10.3	15.6	21.1	.8	21.9	0.0	0.0	0.0
25	.4	1.0	1.4	0.0	0.0	0.0	29.3	0.0	29.3
26	0.0	0.0	0.0	0.0	4.2	4.2	85.6	.1	85.7
27	1.3	0.0	1.3	7.0	3.5	10.5	5.8	2.0	7.8
28	0.0	25.0	25.0	7.1	2.3	9.4	5.0	4.0	9.0
29	0.0	27.0	27.0	0.0	3.8	3.8	26.0	3.0	29.0
30	4.0	0.0	4.0	3.4	8.1	11.5	0.0	0.0	0.0
31	40.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
	147.5	146.6	294.1	137.3	109.2	246.5	258.0	101.3	359.3







## **ESTACIONES PLUVIOMETRICAS**

Estación : CARIMAGUA  
Año : 1998

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	0.0		24.0	17.0	30.0	5.0	0.0	0.0	5.0			
2	0.0		6.0	0.0	32.0	9.0	0.0	0.0	10.0			
3	0.0		0.0	34.0	40.0	3.0	10.0	0.0	9.0			
4	0.0		20.0	0.0	50.0	0.0	53.0	1.0	0.0			
5	1.0		0.0	6.0	0.0	9.0	2.0	12.0	7.0			
6	2.0		0.0	2.0	3.0	0.0	30.0	21.0	14.0			
7	20.0		16.0	4.0	16.0	7.0	14.0	16.0	14.0			
8	0.0		4.0	0.0	0.0	10.0	6.0	6.0	49.0			
9	0.0		0.0	0.0	4.0	7.0	3.0	7.0	1.0			
10	0.0		18.0	5.0	1.0	0.0	0.0	0.0	0.0			
11	0.0		0.0	10.0	9.0	1.0	8.0	0.0	5.0			
12	0.0		0.0	8.0	4.0	0.0	0.0	0.0	0.0	45.0		
13	6.0		0.0	10.0	0.0	0.0	0.0	0.0	0.0			
14	0.0		34.0	1.0	4.0	2.0	14.0	32.0	9.0			
15	0.0		0.0	7.0	0.0	35.0	16.0	0.0	10.0			
16	0.0		0.0	2.0	6.0	22.0	43.0	0.0	0.0			
17	0.0		5.0	41.0	26.0	0.0	35.0	6.0	1.0			
18	11.0		0.0	14.0	23.0	17.0	20.0	25.0	10.0			
19	0.0		2.0	4.0	2.0	28.0	14.0	2.0	8.0			
20	10.0		22.0	6.0	10.0	8.0	0.0	10.0	10.0			
21	0.0		0.0	27.0	0.0	6.0	0.0	0.0	14.0			
22	0.0		22.0	21.0	0.0	2.0	0.0	7.0	10.0			
23	0.0		0.0	14.0	0.0	10.0	15.0	0.0	5.0			
24	0.0		5.0	8.0	6.0	0.0	0.0	1.0	14.0			
25	0.0		0.0	11.0	53.0	0.0	5.0	2.0	14.0			
26	0.0		33.0	12.0	53.0	0.0	0.0	9.0	40.0			
27	0.0		2.0	5.0	51.0	5.0	2.0	0.0	12.0			
28	0.0		0.0	15.0	55.0	2.0	7.0	0.0	0.0			
29	0.0		5.0	10.0	12.0	0.0	9.0	4.0	0.0			
30	14.0		2.0	10.0	7.0	0.0	0.0	4.0	0.0			
31	0.0		21.0		6.0	0.0	24.0					
Total	64.0		241.0	304.0	503.0	188.0	306.0	189.0	316.0			Anual
Días Ll.	7		17	26	24	19	19	18	23			

Estación : BARILOCHE  
Año : 1998

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	0.0	0.0	0.0	0.0	122.0		0.0	0.0	0.0	0.0	25.0	11.0
2	0.0	0.0	0.0	0.0	0.0		0.0	0.0	29.0	0.0	0.0	40.0
3	0.0	0.0	0.0	0.0	0.0		0.0	0.0	15.0	42.0	0.0	0.0
4	0.0	0.0	0.0	0.0	42.0		27.0	0.0	0.0	0.0	11.0	0.0
5	1.0	3.0	0.0	0.0	57.0		0.0	25.0	0.0	20.0	0.0	21.0
6	0.0	28.0	24.0	36.0	0.0		50.0	13.0	0.0	0.0	20.0	56.0
7	0.0	2.0	65.0	6.0	0.0		19.0	12.0	37.0	0.0	0.0	0.0
8	0.0	56.0	30.0	0.0	18.0		17.0	0.0	23.0	0.0	0.0	34.0
9	0.0	0.0	6.0	0.0	0.0		8.0	5.0	15.0	0.0	0.0	0.0
10	0.0	7.0	0.0	26.0	0.0		0.0	22.0	0.0	0.0	28.0	0.0
11	0.0	0.0	0.0	0.0	0.0		0.0	0.0	19.0	0.0	0.0	16.0
12	4.0	0.0	0.0	0.0	0.0		0.0	0.0	60.0	0.0	0.0	22.0
13	0.0	5.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	78.0	0.0
14	0.0	19.0	0.0	0.0	0.0		0.0	24.0	8.0	0.0	0.0	4.0
15	2.0	0.0	0.0	0.0	0.0		20.0	12.0	0.0	0.0	15.0	0.0
16	0.0	0.0	0.0	0.0	0.0		25.0	0.0	0.0	0.0	10.0	0.0
17	0.0	0.0	0.0	0.0	0.0		12.0	2.0	0.0	18.0	24.0	0.0
18	0.0	0.0	0.0	22.0	0.0		24.0	14.0	0.0	24.0	19.0	0.0
19	0.0	0.0	0.0	13.0	0.0		19.0	8.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	8.0		0.0	31.0	20.0	0.0	0.0	20.0
21	0.0	12.0	0.0	0.0	0.0		0.0	0.0	30.0	0.0	0.0	0.0
22	0.0	8.0	21.0	6.0	0.0		0.0	0.0	0.0	0.0	0.0	37.0
23	0.0	15.0	0.0	0.0	0.0		21.0	0.0	25.0	0.0	0.0	0.0
24	0.0	0.0	7.0	0.0	0.0		0.0	0.0	0.0	31.0	0.0	0.0
25	0.0	0.0	0.0	25.0	58.0		0.0	20.0	49.0	35.0	27.0	0.0
26	0.0	0.0	22.0	12.0	77.0		0.0	66.0	57.0	33.0	0.0	2.0
27	0.0	12.0	0.0	18.0	78.0		6.0	0.0	57.0	0.0	32.0	4.0
28	2.0	0.0	0.0	0.0	68.0		47.0	0.0	0.0	15.0	30.0	0.0
29	2.0	17.0	0.0	0.0	0.0		0.0	0.0	0.0	20.0	25.0	7.0
30	0.0	0.0	0.0	0.0	19.0		19.0	10.0	0.0	0.0	0.0	24.0
31	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	16.0	0.0
Total	11.0	167.0	192.0	164.0	547.0		314.0	264.0	444.0	238.0	344.0	314.0
Días Ll.	5	11	8	9	10		14	14	14	9	13	15

Estación : SANTA CRUZ  
Año : 1998

Dpto. : ANTIOQUIA  
Mpio. : FREDONIA

Latitud : 5 ° 75' m  
Longitud : 54 ° 38' W  
Altitud : 1400 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	52.0	5.0	0.0	3.0	0.0	0.0	25.0	0.0	20.0	15.0
2	0.0	0.0	0.0	5.0	55.0	0.0	0.0	0.0	18.0	55.0	0.0	0.0
3	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	7.0	0.0	8.0	5.0
4	0.0	3.0	0.0	0.0	0.0	0.0	27.0	110.0	25.0	40.0	15.0	0.0
5	4.0	15.0	0.0	15.0	6.0	0.0	55.0	15.0	20.0	0.0	15.0	0.0
6	0.0	0.0	25.0	0.0	3.0	0.0	10.0	15.0	20.0	0.0	0.0	42.0
7	0.0	62.0	8.0	5.0	0.0	10.0	0.0	0.0	35.0	28.0	0.0	75.0
8	0.0	12.0	0.0	0.0	0.0	5.0	2.0	3.0	0.0	0.0	25.0	0.0
9	0.0	0.0	0.0	30.0	5.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0
10	0.0	0.0	0.0	5.0	15.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0
11	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	74.0	0.0	20.0	35.0
12	0.0	5.0	0.0	13.0	0.0	0.0	0.0	0.0	15.0	0.0	28.0	0.0
13	0.0	5.0	0.0	0.0	0.0	25.0	3.0	45.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	15.0	20.0	0.0	0.0	0.0	15.0	0.0
15	0.0	0.0	0.0	82.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	8.0	40.0	0.0	0.0	5.0	0.0	30.0	0.0	0.0
17	0.0	0.0	0.0	0.0	12.0	0.0	35.0	25.0	0.0	40.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	8.0	45.0	0.0	5.0	13.0	0.0
19	0.0	0.0	0.0	0.0	0.0	5.0	0.0	10.0	5.0	0.0	8.0	10.0
20	0.0	3.0	3.0	5.0	0.0	10.0	0.0	0.0	0.0	0.0	27.0	8.0
21	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	15.0	45.0	0.0	0.0
23	0.0	0.0	0.0	35.0	0.0	0.0	13.0	3.0	5.0	30.0	25.0	0.0
24	0.0	0.0	0.0	15.0	47.0	0.0	5.0	45.0	25.0	5.0	12.0	0.0
25	0.0	0.0	18.0	3.0	12.0	0.0	0.0	25.0	20.0	0.0	0.0	0.0
26	0.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	30.0	28.0	37.0	5.0
27	0.0	0.0	3.0	33.0	45.0	0.0	35.0	0.0	0.0	0.0	50.0	0.0
28	0.0	0.0	20.0	0.0	0.0	0.0	15.0	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	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	30.0	10.0	10.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	0.0	5.0	5.0

Anual

Total	4.0	105.0	149.0	259.0	342.0	93.0	243.0	366.0	354.0	371.0	343.0	215.0	2844.0
Días Ll.	1	7	8	14	13	9	13	13	16	12	18	11	

Estación : LA BLANQUITA  
Año : 1998

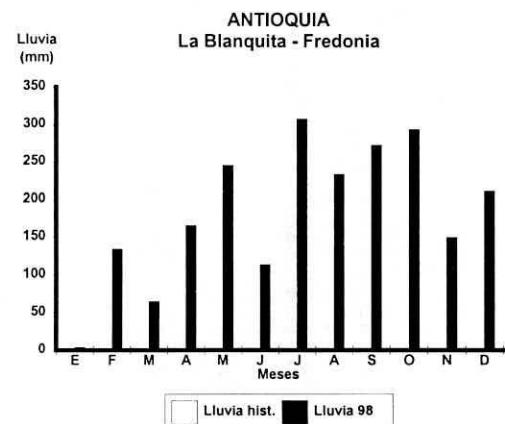
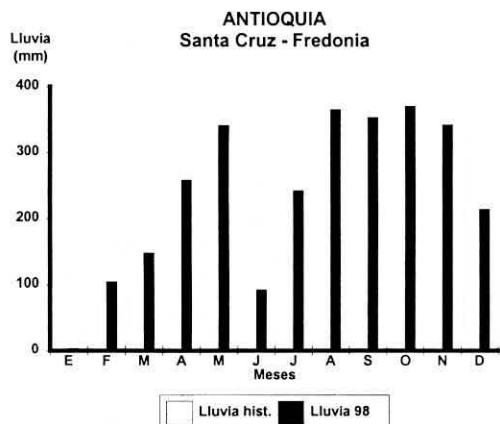
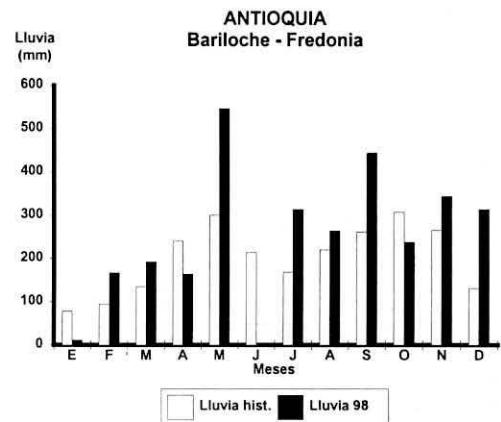
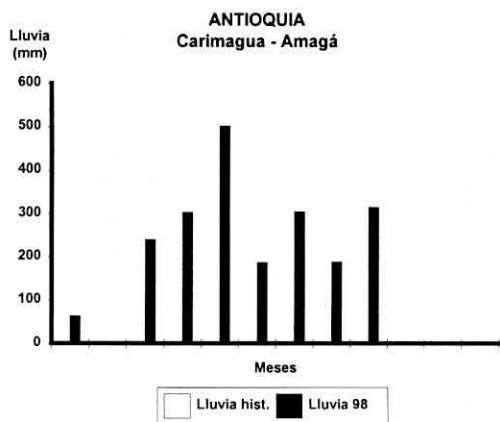
Dpto. : ANTIOQUIA  
Mpio. : FREDONIA

Latitud : 5 ° 75' m  
Longitud : 54 ° 49' N  
Altitud : 569 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	5.0	0.0	13.0	3.0	0.0	0.0	7.0	0.0	0.0	18.0
2	0.0	0.0	0.0	0.0	7.0	3.0	0.0	0.0	20.0	0.0	0.0	0.0
3	0.0	0.0	0.0	4.0	22.0	0.0	0.0	0.0	17.0	38.0	3.0	0.0
4	0.0	19.0	0.0	0.0	7.0	0.0	21.0	5.0	6.0	0.0	8.0	0.0
5	0.0	0.0	0.0	9.0	5.0	0.0	2.0	56.0	0.0	25.0	5.0	24.0
6	0.0	12.0	7.0	10.0	0.0	0.0	50.0	5.0	10.0	0.0	5.0	0.0
7	0.0	74.0	6.0	0.0	0.0	0.0	47.0	15.0	18.0	0.0	0.0	0.0
8	0.0	6.0	0.0	2.0	0.0	12.0	52.0	0.0	26.0	0.0	0.0	68.0
9	0.0	0.0	0.0	32.0	0.0	18.0	5.0	4.0	0.0	0.0	15.0	0.0
10	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	32.0	0.0	0.0	0.0	0.0	0.0	17.0	3.0
12	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	9.0	0.0	36.0
13	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	17.0
14	0.0	0.0	0.0	0.0	0.0	40.0	8.0	31.0	9.0	0.0	0.0	0.0
15	0.0	0.0	0.0	15.0	0.0	6.0	8.0	0.0	0.0	8.0	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	21.0	0.0
17	0.0	0.0	0.0	4.0	18.0	0.0	8.0	0.0	0.0	10.0	0.0	0.0
18	0.0	0.0	0.0	0.0	15.0	0.0	44.0	25.0	3.0	38.0	7.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	19.0	14.0	0.0	0.0	11.0	0.0
20	0.0	0.0	0.0	4.0	8.0	5.0	0.0	34.0	0.0	0.0	4.0	33.0
21	0.0	4.0	0.0	6.0	0.0	0.0	0.0	0.0	7.0	12.0	0.0	30.0
22	0.0	20.0	11.0	0.0	0.0	0.0	0.0	0.0	10.0	12.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	27.0	6.0	0.0	18.0	12.0	0.0	0.0
24	0.0	0.0	0.0	9.0	0.0	0.0	0.0	7.0	0.0	61.0	5.0	0.0
25	0.0	0.0	0.0	35.0	18.0	0.0	4.0	26.0	24.0	17.0	5.0	0.0
26	0.0	0.0	18.0	8.0	18.0	0.0	0.0	6.0	45.0	0.0	5.0	0.0
27	0.0	0.0	18.0	4.0	30.0	0.0	8.0	0.0	13.0	20.0	15.0	0.0
28	0.0	0.0	0.0	2.0	50.0	0.0	13.0	0.0	0.0	20.0	7.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	11.0	0.0	0.0
30	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0

Anual

Total	4.0	135.0	65.0	166.0	246.0	114.0	308.0	234.0	273.0	294.0	150.0	212.0	2201.0
Días Ll.	1	6	6	17	14	8	16	14	16	15	16	7	



Estación : CUATRO ESQUINAS  
Año : 1998

Dpto. : CALDAS  
Mpio. : AGUADAS

Latitud : 5 ° 40' N  
Longitud : 75 ° 25' W  
Altitud : 1900 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	0.0	7.0	15.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	9.0	7.0	9.0	7.0	0.0	0.0	0.0	0.0
3	0.0	5.0	0.0	2.0	25.0	0.0	5.0	14.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	17.0	2.0	0.0	31.0	6.0	0.0	15.0	0.0	0.0
5	8.0	0.0	0.0	9.0	0.0	7.0	0.0	0.0	0.0	0.0	7.0	0.0
6	0.0	3.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0
7	0.0	15.0	0.0	0.0	3.0	3.0	0.0	3.0	0.0	0.0	0.0	0.0
8	0.0	45.0	0.0	0.0	2.0	17.0	0.0	1.0	0.0	0.0	0.0	0.0
9	0.0	17.0	7.0	0.0	5.0	5.0	5.0	5.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	3.0	0.0	1.0	7.0	17.0	19.0	0.0	0.0	0.0
11	7.0	0.0	0.0	7.0	0.0	0.0	3.0	2.0	0.0	13.0	0.0	0.0
12	0.0	0.0	0.0	15.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
13	0.0	10.0	0.0	0.0	7.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0
15	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	0.0	3.0	0.0
16	0.0	0.0	0.0	2.0	7.0	11.0	15.0	15.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	17.0	0.0	0.0	29.0	35.0	0.0	0.0	0.0	0.0
18	0.0	3.0	0.0	22.0	0.0	2.0	0.0	47.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	2.0	9.0	55.0	2.0	0.0	0.0	0.0
20	0.0	0.0	0.0	2.0	0.0	0.0	6.0	19.0	0.0	0.0	0.0	0.0
21	0.0	0.0	4.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	8.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	17.0	0.0
23	0.0	0.0	5.0	5.0	0.0	1.0	0.0	5.0	0.0	0.0	15.0	0.0
24	0.0	2.0	0.0	3.0	0.0	7.0	3.0	11.0	35.0	0.0	0.0	0.0
25	0.0	0.0	9.0	35.0	5.0	9.0	3.0	0.0	18.0	0.0	0.0	0.0
26	0.0	0.0	11.0	0.0	23.0	0.0	45.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	17.0	2.0	37.0	2.0	19.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	37.0	0.0	0.0	15.0	0.0	0.0	2.0	0.0
29	0.0	0.0	5.0	29.0	0.0	2.0	0.0	0.0	0.0	0.0	9.0	0.0
30	0.0	5.0	2.0	15.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
31	7.0	5.0	5.0	25.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0

Anual

Total	22.0	100.0	62.0	145.0	276.0	93.0	217.0	267.0	169.0			
Días Ll.	3	8	8	20	16	16	18	19	14			

Estación : GUAYMARAL  
Año : 1998

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	0.0	0.0	0.0	4.0	23.0	4.0	0.0	0.0	17.0	0.0	0.0	0.0
2	0.0	2.0	0.0	10.0	18.0	10.0	0.0	0.0	19.0	0.0	0.0	0.0
3	0.0	0.0	0.0	16.0	26.0	6.0	15.0	0.0	10.0	21.0	0.0	0.0
4	0.0	0.0	0.0	0.0	7.0	2.0	19.0	0.0	6.0	1.0	9.0	0.0
5	0.0	10.0	0.0	26.0	0.0	0.0	0.0	42.0	0.0	15.0	5.0	0.0
6	0.0	0.0	0.0	15.0	0.0	0.0	19.0	13.0	1.0	40.0	0.0	10.0
7	25.0	37.0	3.0	0.0	0.0	0.0	20.0	16.0	14.0	3.0	2.0	0.0
8	0.0	13.0	0.0	0.0	0.0	35.0	7.0	0.0	15.0	0.0	1.0	13.0
9	0.0	0.0	0.0	1.0	0.0	9.0	0.0	2.0	0.0	0.0	19.0	0.0
10	0.0	0.0	2.0	3.0	0.0	0.0	0.0	0.0	3.0	2.0	0.0	11.0
11	0.0	0.0	0.0	7.0	10.0	0.0	0.0	0.0	0.0	0.0	5.0	4.0
12	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	32.0	9.0	3.0	2.0
13	22.0	12.0	5.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
14	0.0	10.0	0.0	0.0	0.0	5.0	12.0	16.0	17.0	0.0	0.0	0.0
15	0.0	0.0	1.0	19.0	0.0	11.0	9.0	0.0	0.0	14.0	14.0	0.0
16	0.0	0.0	0.0	0.0	7.0	7.0	4.0	10.0	0.0	0.0	13.0	0.0
17	0.0	0.0	0.0	5.0	0.0	0.0	4.0	0.0	2.0	17.0	0.0	0.0
18	0.0	1.0	0.0	18.0	0.0	4.0	10.0	4.0	0.0	8.0	0.0	0.0
19	3.0	0.0	0.0	0.0	0.0	4.0	3.0	23.0	0.0	0.0	30.0	30.0
20	0.0	0.0	0.0	4.0	0.0	8.0	4.0	10.0	3.0	14.0	35.0	18.0
21	0.0	18.0	0.0	10.0	0.0	10.0	0.0	1.0	31.0	0.0	15.0	0.0
22	0.0	1.0	55.0	0.0	0.0	0.0	0.0	2.0	17.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	10.0	27.0	5.0	0.0	19.0	17.0	0.0	0.0
24	0.0	4.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	13.0	11.0	0.0
25	0.0	0.0	0.0	26.0	43.0	0.0	6.0	16.0	73.0	12.0	13.0	0.0
26	0.0	0.0	47.0	4.0	40.0	0.0	2.0	0.0	20.0	0.0	14.0	23.0
27	0.0	0.0	32.0	0.0	42.0	0.0	0.0	0.0	5.0	0.0	2.0	17.0
28	0.0	0.0	12.0	0.0	51.0	6.0	10.0	0.0	6.0	0.0	3.0	0.0
29	0.0	41.0	0.0	4.0	0.0	3.0	10.0	0.0	0.0	0.0	2.0	0.0
30	0.0	20.0	0.0	20.0	0.0	0.0	8.0	0.0	3.0	0.0	0.0	0.0
31	0.0	12.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Anual  
2220.0

Total	50.0	108.0	230.0	213.0	306.0	148.0	152.0	188.0	309.0	187.0	209.0	120.0
Días Ll.	3	10	11	17	14	15	17	16	19	14	20	9

Estación : LA LINDA  
Año : 1998

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	0.0	0.0	14.0	2.0	40.0	6.0	0.0	0.0	3.0	3.0	4.0	2.0
2	0.0	0.0	5.0	5.0	20.0	7.0	0.0	0.0	15.0	0.0	2.0	9.0
3	0.0	0.0	0.0	10.0	50.0	0.0	20.0	0.0	3.0	10.0	0.0	0.0
4	0.0	0.0	0.0	2.0	20.0	0.0	12.0	2.0	16.0	31.0	13.0	1.0
5	0.0	51.0	4.0	2.0	0.0	3.0	9.0	41.0	0.0	40.0	4.0	10.0
6	0.0	3.0	13.0	40.0	0.0	0.0	19.0	19.0	0.0	10.0	29.0	22.0
7	0.0	26.0	18.0	3.0	0.0	8.0	21.0	24.0	10.0	2.0	6.0	15.0
8	0.0	70.0	0.0	2.0	0.0	5.0	15.0	0.0	20.0	4.0	5.0	42.0
9	0.0	6.0	0.0	15.0	0.0	5.0	2.0	0.0	2.0	0.0	45.0	0.0
10	0.0	2.0	30.0	3.0	0.0	0.0	9.0	2.0	0.0	0.0	9.0	30.0
11	0.0	0.0	0.0	5.0	4.0	6.0	8.0	0.0	0.0	0.0	10.0	49.0
12	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	35.0	12.0	2.0	5.0
13	0.0	8.0	0.0	18.0	0.0	0.0	0.0	0.0	1.0	8.0	45.0	0.0
14	0.0	5.0	0.0	0.0	0.0	15.0	45.0	30.0	25.0	5.0	0.0	4.0
15	0.0	0.0	0.0	0.0	0.0	8.0	9.0	0.0	0.0	11.0	10.0	0.0
16	0.0	0.0	0.0	2.0	0.0	0.0	3.0	30.0	3.0	1.0	22.0	0.0
17	4.0	0.0	0.0	5.0	41.0	0.0	5.0	10.0	1.0	11.0	0.0	2.0
18	0.0	0.0	0.0	39.0	5.0	0.0	22.0	5.0	0.0	18.0	0.0	2.0
19	0.0	0.0	0.0	18.0	0.0	18.0	0.0	14.0	0.0	15.0	5.0	1.0
20	0.0	8.0	0.0	24.0	0.0	3.0	0.0	29.0	3.0	0.0	10.0	6.0
21	0.0	50.0	0.0	3.0	0.0	4.0	5.0	0.0	21.0	0.0	24.0	15.0
22	0.0	69.0	22.0	0.0	5.0	3.0	1.0	5.0	12.0	4.0	0.0	0.0
23	0.0	0.0	7.0	2.0	0.0	3.0	9.0	10.0	14.0	22.0	22.0	0.0
24	0.0	0.0	0.0	15.0	0.0	0.0	20.0	25.0	0.0	35.0	10.0	0.0
25	0.0	0.0	0.0	0.0	39.0	0.0	5.0	9.0	22.0	9.0	6.0	0.0
26	0.0	0.0	13.0	12.0	45.0	0.0	2.0	5.0	30.0	2.0	19.0	11.0
27	0.0	0.0	29.0	4.0	54.0	4.0	3.0	0.0	28.0	0.0	25.0	24.0
28	0.0	0.0	15.0	5.0	31.0	5.0	5.0	0.0	3.0	22.0	13.0	0.0
29	1.0	42.0	2.0	2.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	40.0	41.0	0.0	0.0	5.0	12.0	0.0	2.0	0.0	4.0	0.0
31	0.0	0.0	0.0	13.0	0.0	0.0	0.0	0.0	20.0	0.0	1.0	0.0

Total 5.0 298.0 252.0 281.0 369.0 103.0 256.0 272.0 267.0 297.0 340.0 255.0 Anual 2995.0  
Días Ll. 2 11 13 26 14 16 24 17 20 23 23 20

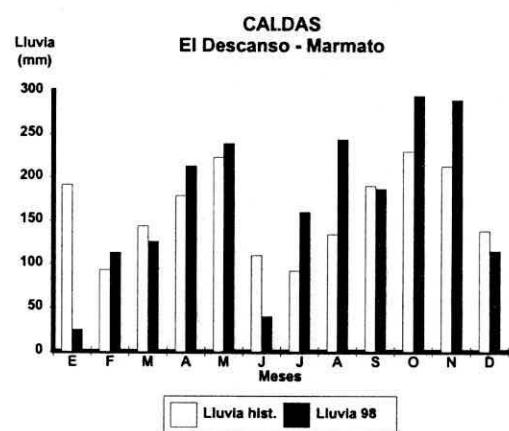
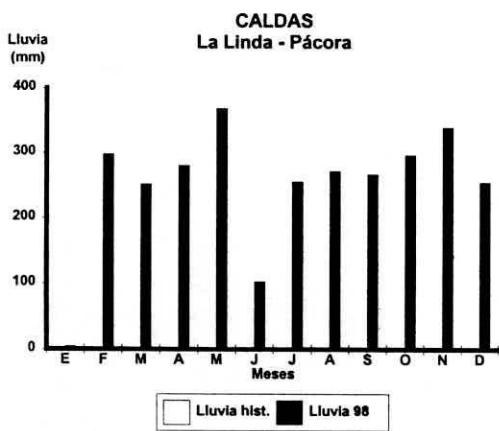
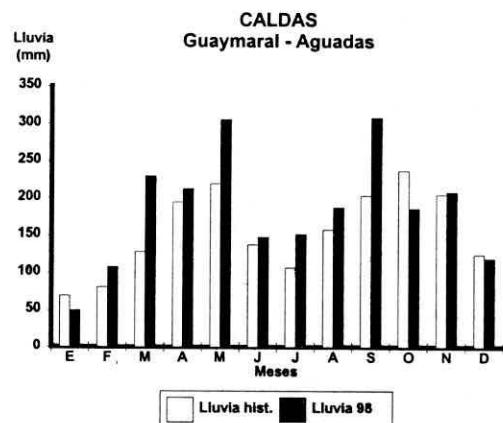
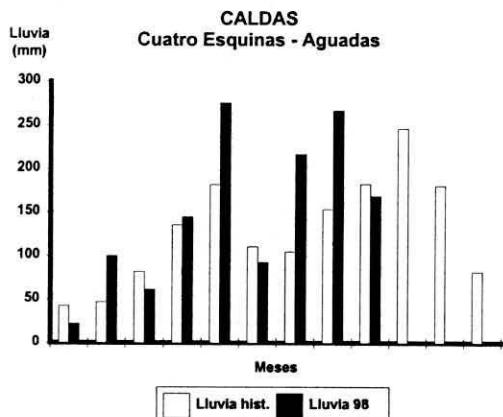
Estación : EL DESCANSO  
Año : 1998

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	0.0	0.0	0.0	5.0	18.0	5.0	0.0	0.0	13.0	0.0	0.0	5.0
2	1.0	0.0	13.0	2.0	48.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	9.0	14.0	4.0	12.0	0.0	0.0	25.0	6.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	5.0	16.0	0.0	37.0	3.0	11.0
5	0.0	7.0	0.0	3.0	0.0	0.0	13.0	6.0	0.0	3.0	28.0	14.0
6	0.0	62.0	0.0	16.0	0.0	0.0	4.0	60.0	2.0	0.0	2.0	0.0
7	0.0	3.0	7.0	0.0	0.0	2.0	7.0	0.0	15.0	0.0	29.0	11.0
8	0.0	2.0	0.0	3.0	0.0	4.0	0.0	0.0	0.0	0.0	30.0	14.0
9	0.0	0.0	21.0	11.0	0.0	0.0	0.0	2.0	0.0	0.0	9.0	11.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0	19.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0	5.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	9.0	0.0
13	0.0	1.0	0.0	30.0	0.0	0.0	0.0	10.0	20.0	19.0	0.0	0.0
14	3.0	0.0	0.0	0.0	0.0	5.0	6.0	0.0	0.0	9.0	0.0	0.0
15	12.0	0.0	0.0	0.0	0.0	6.0	35.0	0.0	0.0	0.0	12.0	0.0
16	0.0	0.0	0.0	5.0	28.0	0.0	7.0	0.0	0.0	7.0	0.0	0.0
17	6.0	0.0	0.0	30.0	1.0	0.0	11.0	20.0	2.0	0.0	0.0	0.0
18	0.0	0.0	0.0	32.0	0.0	0.0	2.0	13.0	0.0	0.0	1.0	0.0
19	0.0	15.0	11.0	9.0	13.0	4.0	0.0	49.0	0.0	0.0	0.0	0.0
20	0.0	22.0	0.0	0.0	0.0	3.0	0.0	0.0	26.0	7.0	17.0	3.0
21	0.0	1.0	2.0	0.0	0.0	2.0	0.0	0.0	1.0	0.0	6.0	0.0
22	3.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	4.0	12.0	7.0	0.0
23	0.0	0.0	0.0	0.0	2.0	0.0	0.0	3.0	0.0	40.0	46.0	2.0
24	0.0	0.0	0.0	19.0	11.0	0.0	38.0	50.0	9.0	11.0	0.0	1.0
25	0.0	0.0	0.0	0.0	35.0	0.0	0.0	3.0	13.0	0.0	30.0	2.0
26	0.0	0.0	23.0	0.0	36.0	5.0	5.0	0.0	20.0	0.0	5.0	7.0
27	0.0	0.0	0.0	0.0	26.0	0.0	4.0	0.0	1.0	9.0	41.0	0.0
28	0.0	0.0	30.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
29	0.0	9.0	21.0	0.0	0.0	2.0	12.0	0.0	0.0	0.0	9.0	8.0
30	0.0	8.0	18.0	7.0	0.0	0.0	0.0	0.0	0.0	98.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	7.0	0.0

Total 25.0 113.0 126.0 213.0 239.0 40.0 160.0 244.0 187.0 295.0 290.0 115.0 Anual 2047.0  
Días Ll. 5 8 10 15 12 10 16 12 15 14 18 14



Estación : HOGAR JUVENIL  
Año : 1998

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	0.0	0.0	0.0	35.0	41.0	8.0	0.0	0.0	18.0	0.0	8.0	22.0
2	0.0	0.0	0.0	18.0	5.0	23.0	0.0	0.0	85.0	0.0	4.0	4.0
3	0.0	0.0	0.0	15.0	65.0	0.0	20.0	0.0	28.0	31.0	51.0	29.0
4	0.0	3.0	0.0	0.0	10.0	8.0	62.0	0.0	27.0	46.0	0.0	52.0
5	0.0	46.0	1.0	23.0	8.0	0.0	20.0	55.0	5.0	44.0	0.0	32.0
6	30.0	10.0	53.0	0.0	5.0	3.0	23.0	24.0	30.0	6.0	135.0	95.0
7	15.0	85.0	0.0	0.0	25.0	0.0	35.0	47.0	16.0	128.0	35.0	0.0
8	0.0	20.0	50.0	7.0	44.0	16.0	11.0	0.0	7.0	69.0	38.0	14.0
9	0.0	30.0	27.0	11.0	0.0	22.0	0.0	10.0	0.0	0.0	35.0	4.0
10	0.0	5.0	20.0	18.0	2.0	0.0	0.0	15.0	0.0	0.0	51.0	54.0
11	24.0	4.0	2.0	23.0	55.0	0.0	0.0	0.0	11.0	0.0	5.0	9.0
12	10.0	5.0	0.0	87.0	1.0	0.0	0.0	0.0	37.0	32.0	2.0	66.0
13	20.0	31.0	7.0	59.0	0.0	0.0	0.0	0.0	38.0	37.0	13.0	0.0
14	0.0	11.0	30.0	0.0	0.0	8.0	0.0	38.0	53.0	9.0	0.0	24.0
15	0.0	0.0	12.0	15.0	0.0	0.0	0.0	1.0	0.0	22.0	8.0	0.0
16	9.0	0.0	34.0	7.0	0.0	3.0	25.0	0.0	15.0	20.0	20.0	0.0
17	0.0	0.0	0.0	34.0	2.0	14.0	13.0	3.0	10.0	34.0	0.0	16.0
18	60.0	8.0	0.0	13.0	1.0	0.0	48.0	6.0	4.0	54.0	0.0	95.0
19	86.0	2.0	0.0	7.0	0.0	0.0	10.0	40.0	2.0	6.0	18.0	14.0
20	0.0	0.0	6.0	28.0	5.0	0.0	0.0	62.0	18.0	20.0	50.0	42.0
21	15.0	12.0	3.0	55.0	0.0	7.0	0.0	7.0	12.0	0.0	13.0	50.0
22	2.0	11.0	48.0	11.0	0.0	0.0	14.0	0.0	19.0	0.0	13.0	13.0
23	7.0	0.0	4.0	40.0	0.0	1.0	3.0	0.0	45.0	51.0	11.0	26.0
24	0.0	20.0	21.0	61.0	0.0	0.0	0.0	35.0	8.0	67.0	15.0	0.0
25	22.0	0.0	7.0	55.0	73.0	5.0	5.0	49.0	37.0	10.0	3.0	1.0
26	0.0	0.0	5.0	15.0	73.0	0.0	0.0	27.0	16.0	10.0	10.0	6.0
27	40.0	11.0	4.0	68.0	71.0	0.0	32.0	0.0	35.0	20.0	20.0	0.0
28	9.0	0.0	5.0	20.0	43.0	0.0	37.0	0.0	3.0	10.0	22.0	13.0
29	0.0	0.0	13.0	15.0	12.0	0.0	9.0	7.0	10.0	35.0	42.0	7.0
30	9.0	0.0	7.0	22.0	19.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0
31	8.0	0.0	28.0	0.0	10.0	0.0	0.0	0.0	10.0	0.0	4.0	4.0
Total	366.0	314.0	387.0	762.0	570.0	118.0	367.0	426.0	589.0	771.0	623.0	695.0
Días Ll.	16	17	22	26	21	12	16	16	26	23	25	25

Estación : LA CASCADA  
Año : 1998

Dpto. : CALDAS  
Mpio. : PACORA

Latitud : 5 ° 28' N  
Longitud : 75 ° 33' W  
Altitud : 1600 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	0.0	10.0	5.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	7.0	86.0	0.0	12.0	0.0	0.0	0.0	18.0	0.0
3	0.0	0.0	0.0	0.0	10.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0
4	0.0	35.0	0.0	5.0	0.0	0.0	10.0	27.0	2.0	26.0	0.0	0.0
5	0.0	0.0	5.0	10.0	2.0	0.0	14.0	5.0	12.0	2.0	0.0	0.0
6	0.0	43.0	6.0	0.0	13.0	0.0	2.0	40.0	3.0	5.0	0.0	0.0
7	0.0	70.0	0.0	0.0	0.0	2.0	15.0	5.0	7.0	0.0	0.0	0.0
8	0.0	55.0	0.0	2.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	6.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	6.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0
12	12.0	0.0	0.0	10.0	0.0	0.0	0.0	20.0	41.0	3.0	0.0	0.0
13	0.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0
14	0.0	0.0	0.0	4.0	0.0	.5	7.0	5.0	23.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	13.0	50.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	2.0	78.0	0.0	4.0	0.0	0.0	28.0	0.0	0.0
17	0.0	0.0	0.0	14.0	0.0	0.0	12.0	10.0	0.0	0.0	1.0	0.0
18	0.0	0.0	0.0	2.0	0.0	4.0	4.0	30.0	0.0	0.0	37.0	0.0
19	0.0	0.0	0.0	2.0	10.0	0.0	0.0	24.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	6.0	20.0	5.0	0.0	0.0	17.0	10.0	0.0	0.0
21	0.0	0.0	7.0	0.0	0.0	0.0	3.0	0.0	36.0	0.0	0.0	0.0
22	0.0	6.0	2.0	0.0	0.0	0.0	0.0	0.0	10.0	10.0	0.0	0.0
23	0.0	0.0	0.0	0.0	5.0	0.0	0.0	4.0	0.0	0.0	30.0	0.0
24	0.0	0.0	0.0	10.0	7.0	0.0	23.0	20.0	18.0	10.0	0.0	0.0
25	0.0	0.0	53.0	6.0	26.0	0.0	0.0	4.0	30.0	0.0	0.0	0.0
26	0.0	0.0	34.0	0.0	30.0	15.0	25.0	0.0	4.0	0.0	0.0	0.0
27	0.0	0.0	3.0	4.0	30.0	3.0	0.0	0.0	0.0	0.0	4.0	0.0
28	0.0	3.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	12.0	0.0
29	0.0	0.0	21.0	8.0	0.0	0.0	10.0	13.0	0.0	0.0	10.0	0.0
30	0.0	0.0	0.0	16.0	11.0	0.0	0.0	0.0	0.0	70.0	0.0	0.0
31	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	12.0	235.0	137.0	151.0	343.0	58.5	212.0	207.0	223.0	280.0	0.0	Anual
Días Ll.	1	7	9	19	16	9	16	13	14	18	0.0	0.0

Estación : LA ARGENTINA  
Año : 1998

Dpto. : CALDAS  
Mpio. : RIOSUCIO

Latitud : 5 ° 28' N  
Longitud : 75 ° 42' W  
Altitud : 1420 m

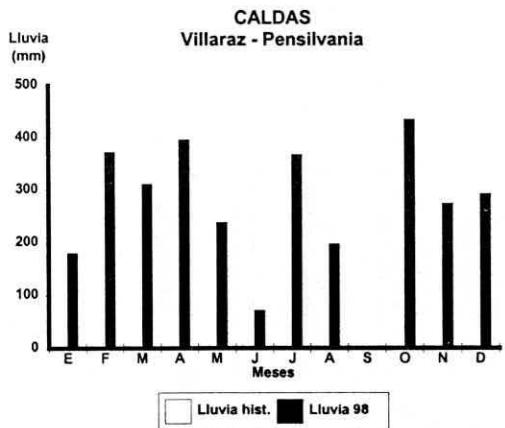
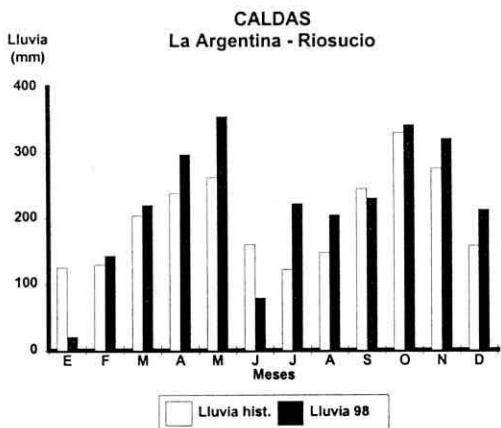
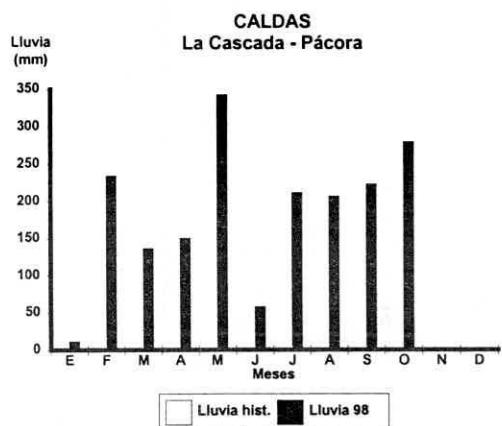
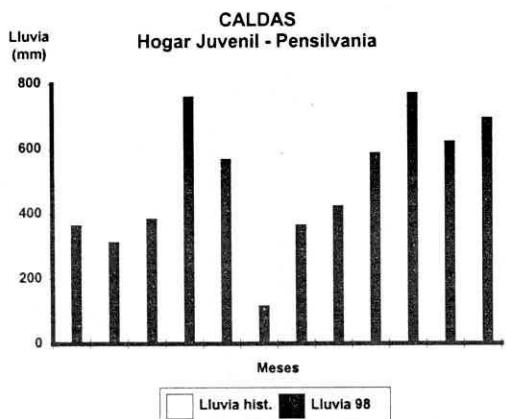
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.	
1	0.0	0.0	23.0	2.0	18.0	0.0	0.0	0.0	1.0	5.0	0.0	13.0	
2	0.0	0.0	0.0	5.0	32.0	4.0	0.0	0.0	20.0	0.0	0.0	2.0	
3	0.0	0.0	0.0	8.0	30.0	0.0	36.0	0.0	1.0	19.0	22.0	0.0	
4	0.0	0.0	0.0	0.0	14.0	4.0	30.0	0.0	1.0	5.0	5.0	0.0	
5	0.0	7.0	0.0	6.0	4.0	0.0	17.0	18.0	0.0	18.0	3.0	20.0	
6	0.0	6.0	6.0	34.0	1.0	3.0	10.0	6.0	0.0	2.0	46.0	6.0	
7	9.0	38.0	5.0	0.0	0.0	0.0	4.0	28.0	3.0	0.0	0.0	0.0	
8	0.0	27.0	9.0	0.0	0.0	2.0	24.0	0.0	25.0	0.0	14.0	0.0	
9	0.0	2.0	2.0	0.0	0.0	2.0	1.0	0.0	0.0	0.0	13.0	10.0	
10	0.0	2.0	11.0	21.0	2.0	0.0	0.0	4.0	0.0	0.0	0.0	3.0	
11	0.0	8.0	3.0	30.0	7.0	0.0	1.0	0.0	5.0	0.0	6.0	8.0	
12	0.0	0.0	0.0	12.0	0.0	0.0	0.0	1.0	35.0	2.0	10.0	27.0	
13	1.0	6.0	0.0	62.0	0.0	0.0	0.0	1.0	2.0	0.0	11.0	0.0	
14	0.0	2.0	0.0	0.0	0.0	4.0	0.0	8.0	25.0	14.0	0.0	0.0	
15	0.0	0.0	0.0	1.0	0.0	13.0	6.0	0.0	0.0	31.0	3.0	0.0	
16	7.0	0.0	10.0	0.0	16.0	3.0	15.0	0.0	0.0	0.0	0.0	0.0	
17	0.0	0.0	0.0	21.0	13.0	0.0	23.0	0.0	0.0	10.0	1.0	0.0	
18	0.0	0.0	14.0	5.0	7.0	0.0	17.0	22.0	0.0	16.0	0.0	6.0	
19	0.0	0.0	0.0	6.0	0.0	10.0	6.0	15.0	0.0	17.0	2.0	0.0	
20	0.0	0.0	2.0	0.0	14.0	3.0	0.0	8.0	10.0	7.0	10.0	0.0	
21	0.0	10.0	0.0	1.0	0.0	3.0	0.0	0.0	21.0	5.0	27.0	1.0	
22	0.0	3.0	5.0	0.0	10.0	5.0	1.0	0.0	12.0	7.0	5.0	5.0	
23	0.0	32.0	1.0	8.0	1.0	1.0	4.0	0.0	9.0	24.0	3.0	0.0	
24	0.0	0.0	0.0	1.0	15.0	0.0	0.0	16.0	0.0	40.0	30.0	7.0	
25	0.0	0.0	1.0	48.0	6.0	0.0	2.0	26.0	26.0	29.0	5.0	41.0	
26	0.0	0.0	13.0	8.0	69.0	0.0	0.0	43.0	25.0	0.0	2.0	12.0	
27	0.0	0.0	47.0	2.0	45.0	1.0	5.0	0.0	6.0	24.0	29.0	2.0	
28	0.0	0.0	3.0	7.0	41.0	21.0	14.0	0.0	3.0	16.0	73.0	0.0	
29	3.0	0.0	2.0	3.0	0.0	0.0	0.0	4.0	0.0	4.0	1.0	0.0	
30	0.0	0.0	61.0	6.0	0.0	0.0	2.0	9.0	0.0	8.0	0.0	0.0	
31	0.0	0.0	2.0	0.0	10.0	0.0	0.0	0.0	39.0	0.0	50.0		
Total	20.0	143.0	220.0	297.0	355.0	79.0	222.0	205.0	230.0	342.0	321.0	213.0	Anual 2647.0
Días Ll.	4	12	19	22	20	15	20	14	18	22	22	16	

Estación : VILLARAZ  
Año : 1998

Dpto. : CALDAS  
Mpio. : PENNSILVANIA

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	0.0	0.0	2.0	30.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	
2	0.0	0.0	0.0	8.0	0.0	28.0	0.0	0.0	0.0	0.0	11.0	7.0	
3	0.0	31.0	0.0	3.0	71.0	0.0	32.0	0.0	0.0	0.0	13.0	17.0	
4	0.0	12.0	0.0	29.0	11.0	0.0	79.0	0.0	0.0	0.0	26.0	4.0	
5	0.0	28.0	6.0	31.0	8.0	0.0	25.0	41.0	0.0	14.0	22.0	0.0	
6	0.0	68.0	8.0	0.0	3.0	0.0	0.0	0.0	0.0	2.0	8.0	30.0	
7	11.0	14.0	61.0	0.0	16.0	9.0	0.0	0.0	0.0	42.0	9.0	11.0	
8	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	11.0	2.0	15.0	
9	0.0	0.0	0.0	0.0	0.0	24.0	6.0	0.0	0.0	29.0	4.0	12.0	
10	0.0	0.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0	14.0	6.0	
11	0.0	0.0	29.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	
12	52.0	0.0	12.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	
13	0.0	65.0	0.0	24.0	18.0	0.0	21.0	18.0	0.0	0.0	14.0	3.0	
14	0.0	30.0	0.0	32.0	0.0	5.0	14.0	14.0	0.0	0.0	7.0	14.0	
15	18.0	0.0	10.0	29.0	0.0	0.0	89.0	8.0	55.0	38.0	32.0		
16	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	21.0	0.0	
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.0	0.0	0.0	
18	0.0	38.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	19.0	0.0	0.0	
19	0.0	12.0	0.0	0.0	0.0	6.0	0.0	15.0	0.0	0.0	15.0	45.0	
20	0.0	0.0	10.0	0.0	0.0	0.0	0.0	32.0	0.0	0.0	4.0	8.0	
21	0.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	
22	20.0	21.0	29.0	0.0	0.0	0.0	12.0	0.0	0.0	20.0	0.0	2.0	
23	50.0	0.0	8.0	0.0	0.0	10.0	0.0	0.0	0.0	48.0	3.0	3.0	
24	0.0	35.0	6.0	23.0	0.0	0.0	0.0	34.0	0.0	26.0	7.0	0.0	
25	0.0	0.0	4.0	18.0	22.0	0.0	8.0	24.0	0.0	0.0	12.0	0.0	
26	0.0	0.0	43.0	34.0	18.0	0.0	12.0	0.0	0.0	3.0	0.0	11.0	
27	0.0	0.0	0.0	0.0	17.0	0.0	28.0	0.0	0.0	32.0	5.0	22.0	
28	14.0	0.0	16.0	0.0	0.0	0.0	9.0	0.0	0.0	2.0	16.0	5.0	
29	0.0	5.0	27.0	18.0	0.0	23.0	0.0	0.0	0.0	50.0	10.0	0.0	
30	0.0	14.0	13.0	0.0	0.0	0.0	12.0	0.0	0.0	23.0	6.0	9.0	
31	15.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	
Total	180.0	373.0	312.0	396.0	239.0	72.0	368.0	198.0	—	435.0	275.0	293.0	Anual
Días Ll.	7	12	19	16	12	5	14	9	—	18	24	22	



Estación : LA MANUELITA  
Año : 1998

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	0.0	0.0	50.0	0.0	0.0	0.0	30.0	0.0	0.0	10.0
2	0.0	0.0	12.0	7.0	40.0	0.0	30.0	10.0	40.0	0.0	0.0	3.0
3	0.0	0.0	0.0	0.0	6.0	30.0	40.0	0.0	0.0	50.0	0.0	0.0
4	2.0	0.0	0.0	10.0	0.0	0.0	50.0	0.0	0.0	40.0	20.0	41.0
5	0.0	0.0	0.0	40.0	0.0	30.0	0.0	20.0	0.0	0.0	50.0	0.0
6	0.0	0.0	3.0	80.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	3.0
7	0.0	95.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	22.0
8	0.0	15.0	0.0	0.0	0.0	0.0	50.0	0.0	10.0	60.0	40.0	8.0
9	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	8.0	0.0	10.0	0.0	0.0	0.0	0.0	20.0	30.0	1.0
11	0.0	1.0	0.0	20.0	40.0	0.0	0.0	10.0	30.0	30.0	0.0	7.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	30.0	0.0	0.0
13	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	20.0	14.0	2.0	0.0
14	0.0	0.0	0.0	80.0	0.0	0.0	0.0	20.0	60.0	20.0	8.0	0.0
15	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	3.0
16	0.0	5.0	0.0	0.0	80.0	2.0	100.0	0.0	5.0	0.0	2.0	0.0
17	0.0	0.0	0.0	0.0	3.0	40.0	5.0	0.0	6.0	0.0	0.0	0.0
18	0.0	0.0	19.0	0.0	0.0	3.0	7.0	0.0	0.0	30.0	0.0	0.0
19	0.0	0.0	0.0	70.0	15.0	0.0	0.0	20.0	0.0	0.0	0.0	25.0
20	0.0	0.0	0.0	0.0	16.0	0.0	0.0	20.0	7.0	0.0	14.0	3.0
21	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	10.0	14.0
22	0.0	0.0	3.0	30.0	0.0	2.0	10.0	0.0	20.0	70.0	3.0	15.0
23	40.0	0.0	0.0	40.0	0.0	36.0	0.0	0.0	0.0	0.0	30.0	0.0
24	1.0	0.0	19.0	0.0	40.0	5.0	0.0	0.0	0.0	0.0	45.0	0.0
25	0.0	0.0	22.0	0.0	20.0	11.0	0.0	30.0	30.0	0.0	0.0	50.0
26	0.0	0.0	0.0	0.0	10.0	4.0	0.0	50.0	60.0	40.0	0.0	0.0
27	0.0	0.0	18.0	20.0	50.0	0.0	20.0	20.0	4.0	0.0	25.0	3.0
28	0.0	0.0	30.0	0.0	10.0	2.0	0.0	0.0	0.0	10.0	15.0	40.0
29	0.0	0.0	20.0	50.0	30.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0
30	1.0	0.0	7.0	0.0	0.0	0.0	20.0	10.0	3.0	0.0	3.0	2.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0

Total 44.0 116.0 179.0 507.0 420.0 195.0 332.0 220.0 395.0 444.0 356.0 250.0 Anual 3458.0  
Días Ll. 4 4 13 13 15 12 10 11 16 13 17 17

Estación : GRANJA KENNEDY  
Año : 1998

Dpto. : CALDAS  
Mpio. : PENSILVANIA

Latitud : 5 ° 20' N  
Longitud : 75 ° 6' W  
Altitud : 1900 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	0.0	25.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	2.0	20.0	0.0	15.0	5.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	1.0	0.0	0.0	4.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0
4	0.0	10.0	0.0	0.0	0.0	0.0	0.0	60.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	50.0	4.0	14.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	30.0	33.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	10.0	10.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	10.0	10.0	10.0	50.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	40.0	0.0	0.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	3.0	60.0	0.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	20.0	4.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	1.0	10.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	8.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	4.0	10.0	0.0	25.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	5.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	3.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	20.0	0.0	57.0	30.0	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	0.0
23	20.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	5.0	15.0	35.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0
26	0.0	0.0	6.0	23.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	5.0	0.0	27.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0
28	0.0	0.0	25.0	5.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
29	0.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	8.0	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	0.0	0.0	0.0
31	20.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Total 138.0 256.0 195.0 340.0 142.0 30.0 134.0 Anual  
Días Ll. 11 14 13 17 10 1 7

Estación : CUBA  
Año : 1998

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	18.0	0.0	0.0	13.0	0.0	0.0	0.0	0.0	8.0	0.0	5.0	40.0
2	0.0	4.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	15.0	58.0
3	0.0	8.0	0.0	12.0	29.0	0.0	0.0	0.0	1.0	3.0	5.0	6.0
4	29.0	0.0	0.0	0.0	0.0	0.0	76.0	0.0	26.0	1.0	12.0	8.0
5	0.0	0.0	0.0	31.0	0.0	0.0	0.0	81.0	0.0	31.0	34.0	13.0
6	0.0	26.0	6.0	24.0	3.0	0.0	8.0	0.0	0.0	31.0	0.0	104.0
7	0.0	37.0	8.0	15.0	0.0	4.0	3.0	78.0	0.0	54.0	60.0	39.0
8	0.0	97.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	11.0	8.0	55.0
9	5.0	58.0	0.0	2.0	0.0	3.0	4.0	76.0	6.0	0.0	14.0	28.0
10	0.0	0.0	1.0	11.0	0.0	0.0	0.0	7.0	40.0	0.0	0.0	58.0
11	113.0	1.0	0.0	32.0	5.0	0.0	0.0	0.0	0.0	0.0	57.0	2.0
12	17.0	0.0	0.0	96.0	0.0	0.0	22.0	0.0	51.0	5.0	38.0	10.0
13	53.0	29.0	0.0	3.0	0.0	0.0	0.0	2.0	26.0	0.0	2.0	0.0
14	0.0	43.0	13.0	98.0	0.0	0.0	6.0	43.0	48.0	0.0	0.0	0.0
15	0.0	0.0	10.0	3.0	0.0	0.0	0.0	0.0	0.0	2.0	4.0	0.0
16	13.0	3.0	32.0	13.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	8.0	0.0	4.0	0.0	0.0	36.0	0.0	12.0
18	0.0	0.0	0.0	13.0	0.0	0.0	130.0	145.0	4.0	3.0	2.0	24.0
19	0.0	0.0	47.0	0.0	0.0	0.0	1.0	38.0	0.0	0.0	17.0	3.0
20	14.0	0.0	0.0	8.0	12.0	0.0	0.0	5.0	1.0	0.0	0.0	58.0
21	0.0	0.0	0.0	28.0	0.0	0.0	0.0	0.0	9.0	34.0	54.0	12.0
22	11.0	1.0	40.0	0.0	0.0	17.0	20.0	0.0	66.0	0.0	0.0	18.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0	36.0	5.0	4.0
24	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	79.0	6.0	0.0
25	0.0	5.0	52.0	0.0	11.0	0.0	0.0	35.0	15.0	5.0	9.0	0.0
26	0.0	0.0	28.0	129.0	12.0	7.0	1.0	9.0	11.0	0.0	19.0	42.0
27	0.0	0.0	0.0	0.0	9.0	0.0	14.0	0.0	0.0	12.0	23.0	8.0
28	0.0	0.0	13.0	35.0	11.0	0.0	17.0	0.0	0.0	0.0	8.0	84.0
29	3.0	0.0	24.0	12.0	0.0	0.0	23.0	0.0	0.0	3.0	14.0	0.0
30	0.0	0.0	27.0	12.0	0.0	0.0	0.0	8.0	0.0	0.0	25.0	0.0
31	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0
Total	276.0	312.0	342.0	590.0	104.0	33.0	349.0	527.0	380.0	368.0	436.0	686.0
Días Ll.	10	12	15	20	10	5	15	12	16	17	23	22

Anual

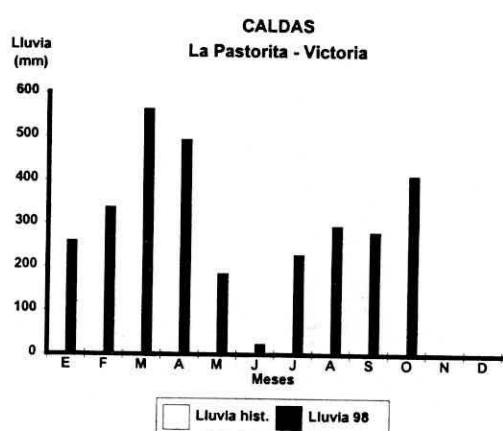
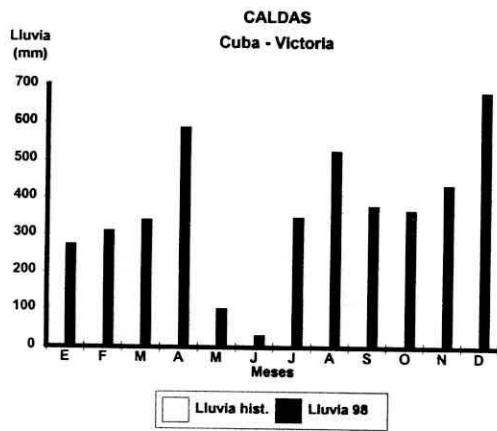
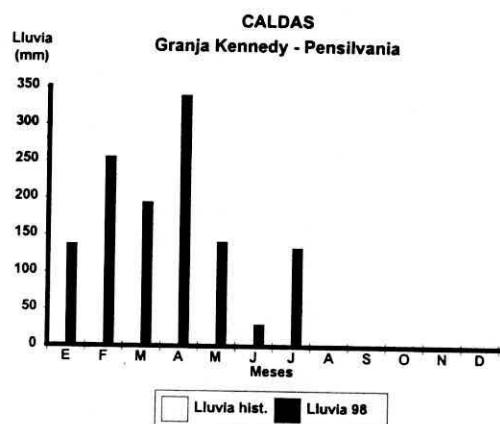
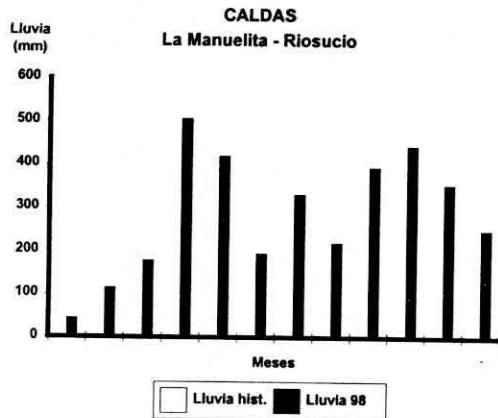
4403.0

Estación : LA PASTORITA  
Año : 1998

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	0.0	22.0	0.0	20.0	0.0	0.0	0.0	0.0	15.0	8.0		
2	0.0	23.0	0.0	30.0	20.0	0.0	0.0	0.0	0.0	0.0		
3	18.0	0.0	0.0	15.0	35.0	0.0	0.0	0.0	5.0	0.0		
4	0.0	35.0	0.0	20.0	45.0	0.0	26.0	0.0	0.0	6.0		
5	0.0	60.0	0.0	24.0	0.0	0.0	0.0	115.0	0.0	0.0		
6	0.0	48.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
7	0.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	26.0	
8	0.0	7.0	4.0	0.0	0.0	0.0	10.0	15.0	5.0	0.0		
9	50.0	5.0	0.0	0.0	0.0	11.0	0.0	0.0	35.0	0.0		
10	4.0	11.0	0.0	30.0	0.0	14.0	0.0	30.0	0.0	0.0		
11	16.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0		
12	0.0	15.0	40.0	8.0	0.0	0.0	0.0	6.0	12.0	28.0		
13	0.0	35.0	0.0	12.0	0.0	0.0	19.0	0.0	0.0	0.0		
14	0.0	0.0	80.0	0.0	0.0	0.0	0.0	0.0	6.0	48.0		
15	60.0	0.0	130.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0		
16	0.0	0.0	0.0	16.0	5.0	0.0	15.0	0.0	8.0	0.0		
17	0.0	0.0	0.0	19.0	0.0	0.0	0.0	20.0	10.0	11.0		
18	0.0	5.0	0.0	0.0	0.0	0.0	0.0	55.0	9.0	0.0		
19	0.0	15.0	45.0	22.0	0.0	0.0	0.0	15.0	14.0	13.0		
20	50.0	0.0	80.0	25.0	35.0	0.0	0.0	20.0	18.0	11.0		
21	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	6.0		
22	5.0	0.0	20.0	0.0	0.0	0.0	114.0	0.0	21.0	0.0		
23	7.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0	95.0		
24	0.0	0.0	30.0	20.0	0.0	0.0	0.0	0.0	15.0	56.0		
25	0.0	0.0	0.0	100.0	0.0	0.0	0.0	10.0	11.0	3.0		
26	0.0	0.0	20.0	0.0	35.0	0.0	0.0	0.0	0.0	92.0		
27	50.0	0.0	30.0	0.0	6.0	0.0	46.0	0.0	0.0	0.0		
28	0.0	0.0	20.0	22.0	5.0	0.0	0.0	0.0	0.0	10.0		
29	0.0	20.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
30	0.0	0.0	30.0	39.0	0.0	0.0	0.0	0.0	3.0	0.0		
31	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Total	260.0	338.0	564.0	494.0	186.0	25.0	230.0	296.0	282.0	413.0		Anual
Días Ll.	9	15	15	18	8	2	6	10	18	14		



Estación : EL MIRADOR  
Año : 1998

Dpto. : CALDAS  
Mpio. : FILADELPHIA

Latitud : 5 ° 75' m  
Longitud : 14 ° 34' W  
Altitud : 1650 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	25.0	0.0	0.0	12.0	17.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
2	0.0	0.0	0.0	48.0	45.0	3.0	3.0	0.0	7.0	10.0	0.0	6.0
3	0.0	0.0	0.0	3.0	24.0	7.0	5.0	0.0	0.0	16.0	5.0	0.0
4	3.0	0.0	0.0	0.0	12.0	2.0	52.0	0.0	5.0	0.0	4.0	0.0
5	0.0	0.0	4.0	3.0	0.0	12.0	2.0	21.0	16.0	19.0	12.0	7.0
6	7.0	0.0	0.0	62.0	0.0	0.0	0.0	2.0	39.0	4.0	0.0	13.0
7	0.0	4.0	4.0	0.0	0.0	0.0	8.0	18.0	10.0	0.0	4.0	0.0
8	0.0	56.0	17.0	0.0	58.0	0.0	15.0	5.0	0.0	0.0	0.0	0.0
9	0.0	4.0	4.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	30.0	51.0
10	0.0	4.0	24.0	7.0	17.0	0.0	0.0	2.0	10.0	0.0	4.0	21.0
11	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	36.0	0.0	23.0	10.0
12	0.0	0.0	8.0	0.0	0.0	0.0	0.0	2.0	42.0	0.0	2.0	0.0
13	0.0	7.0	0.0	29.0	0.0	0.0	0.0	0.0	18.0	0.0	20.0	0.0
14	0.0	2.0	0.0	0.0	0.0	0.0	0.0	31.0	2.0	0.0	9.0	0.0
15	0.0	0.0	0.0	2.0	0.0	24.0	0.0	2.0	0.0	10.0	13.0	0.0
16	0.0	0.0	0.0	2.0	41.0	3.0	5.0	5.0	14.0	0.0	0.0	0.0
17	0.0	0.0	0.0	3.0	2.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	41.0	0.0	0.0	19.0	31.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	42.0	0.0	0.0	0.0	18.0	19.0	0.0	0.0	3.0
20	0.0	0.0	0.0	0.0	3.0	0.0	0.0	26.0	25.0	4.0	0.0	0.0
21	0.0	0.0	7.0	0.0	0.0	13.0	0.0	0.0	19.0	13.0	61.0	7.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	18.0	7.0	0.0
23	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	22.0	32.0
24	0.0	0.0	0.0	0.0	8.0	0.0	0.0	24.0	8.0	40.0	13.0	8.0
25	0.0	0.0	1.0	0.0	9.0	0.0	0.0	2.0	59.0	8.0	0.0	0.0
26	0.0	0.0	39.0	11.0	21.0	0.0	8.0	39.0	0.0	0.0	7.0	6.0
27	0.0	0.0	13.0	0.0	31.0	0.0	7.0	0.0	0.0	4.0	19.0	0.0
28	0.0	0.0	15.0	5.0	72.0	0.0	2.0	4.0	0.0	30.0	11.0	2.0
29	0.0	0.0	29.0	0.0	0.0	0.0	2.0	6.0	0.0	10.0	1.0	2.0
30	0.0	0.0	0.0	7.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0
31	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0
Total	38.0	77.0	165.0	282.0	382.0	64.0	131.0	247.0	339.0	204.0	267.0	168.0
Días Ll.	4	6	12	16	15	7	13	19	18	15	19	13
												Anual 2364.0

Estación : LA JULIANA  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANIZALES

Latitud : 5 ° 75' m  
Longitud : 9 ° 29' N  
Altitud : 1750 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	4.0	8.0	10.0	17.0	2.0	0.0	0.0	0.0	0.0	18.0
2	0.0	0.0	0.0	19.0	12.0	3.0	0.0	0.0	6.0	0.0	3.0	35.0
3	0.0	0.0	0.0	15.0	50.0	10.0	1.0	0.0	11.0	0.0	7.0	4.0
4	0.0	0.0	0.0	3.0	11.0	2.0	44.0	0.0	2.0	4.0	12.0	2.0
5	7.0	7.0	6.0	6.0	6.0	2.0	6.0	15.0	4.0	73.0	0.0	7.0
6	4.0	1.0	0.0	7.0	18.0	0.0	12.0	2.0	0.0	4.0	4.0	14.0
7	0.0	54.0	11.0	4.0	3.0	0.0	2.0	6.0	0.0	3.0	3.0	4.0
8	0.0	18.0	0.0	0.0	0.0	6.0	6.0	3.0	13.0	2.0	0.0	0.0
9	0.0	7.0	0.0	0.0	0.0	1.0	0.0	6.0	0.0	1.0	25.0	2.0
10	0.0	2.0	25.0	12.0	7.0	0.0	2.0	4.0	0.0	0.0	9.0	12.0
11	0.0	0.0	1.0	6.0	17.0	0.0	0.0	0.0	0.0	2.0	0.0	3.0
12	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	17.0	0.0	4.0	4.0
13	15.0	7.0	0.0	11.0	0.0	0.0	0.0	1.0	5.0	0.0	14.0	0.0
14	3.0	5.0	0.0	0.0	0.0	1.0	0.0	30.0	27.0	0.0	13.0	0.0
15	0.0	0.0	0.0	29.0	0.0	28.0	0.0	2.0	2.0	18.0	12.0	0.0
16	0.0	0.0	3.0	10.0	0.0	4.0	9.0	3.0	3.0	0.0	0.0	0.0
17	0.0	0.0	0.0	6.0	3.0	0.0	1.0	2.0	7.0	6.0	0.0	0.0
18	0.0	0.0	0.0	3.0	0.0	0.0	17.0	5.0	0.0	4.0	0.0	0.0
19	0.0	0.0	0.0	16.0	0.0	0.0	7.0	0.0	0.0	7.0	0.0	0.0
20	2.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	3.0	2.0	3.0	0.0
21	0.0	0.0	0.0	5.0	0.0	6.0	0.0	2.0	4.0	11.0	20.0	0.0
22	0.0	0.0	15.0	1.0	0.0	0.0	0.0	3.0	6.0	16.0	3.0	15.0
23	0.0	2.0	6.0	0.0	0.0	3.0	0.0	0.0	11.0	12.0	13.0	2.0
24	0.0	0.0	0.0	3.0	5.0	0.0	0.0	12.0	0.0	26.0	28.0	9.0
25	0.0	0.0	0.0	0.0	12.0	0.0	1.0	42.0	5.0	10.0	19.0	0.0
26	0.0	0.0	12.0	14.0	11.0	0.0	0.0	13.0	67.0	0.0	15.0	7.0
27	0.0	0.0	11.0	13.0	30.0	0.0	9.0	0.0	1.0	9.0	37.0	6.0
28	11.0	5.0	5.0	5.0	69.0	2.0	6.0	0.0	0.0	2.0	12.0	2.0
29	0.0	0.0	4.0	1.0	3.0	0.0	3.0	5.0	0.0	10.0	0.0	0.0
30	0.0	0.0	14.0	3.0	6.0	0.0	0.0	0.0	0.0	0.0	12.0	3.0
31	0.0	0.0	2.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	42.0	108.0	119.0	220.0	285.0	85.0	128.0	156.0	194.0	222.0	268.0	149.0
Días Ll.	6	10	14	25	18	13	16	18	18	20	21	18
												Anual 1976.0

Estación : SANTA TERESA  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANIZALES

Latitud : 5 ° 7' N  
Longitud : 75 ° 32' W  
Altitud : 1800 m

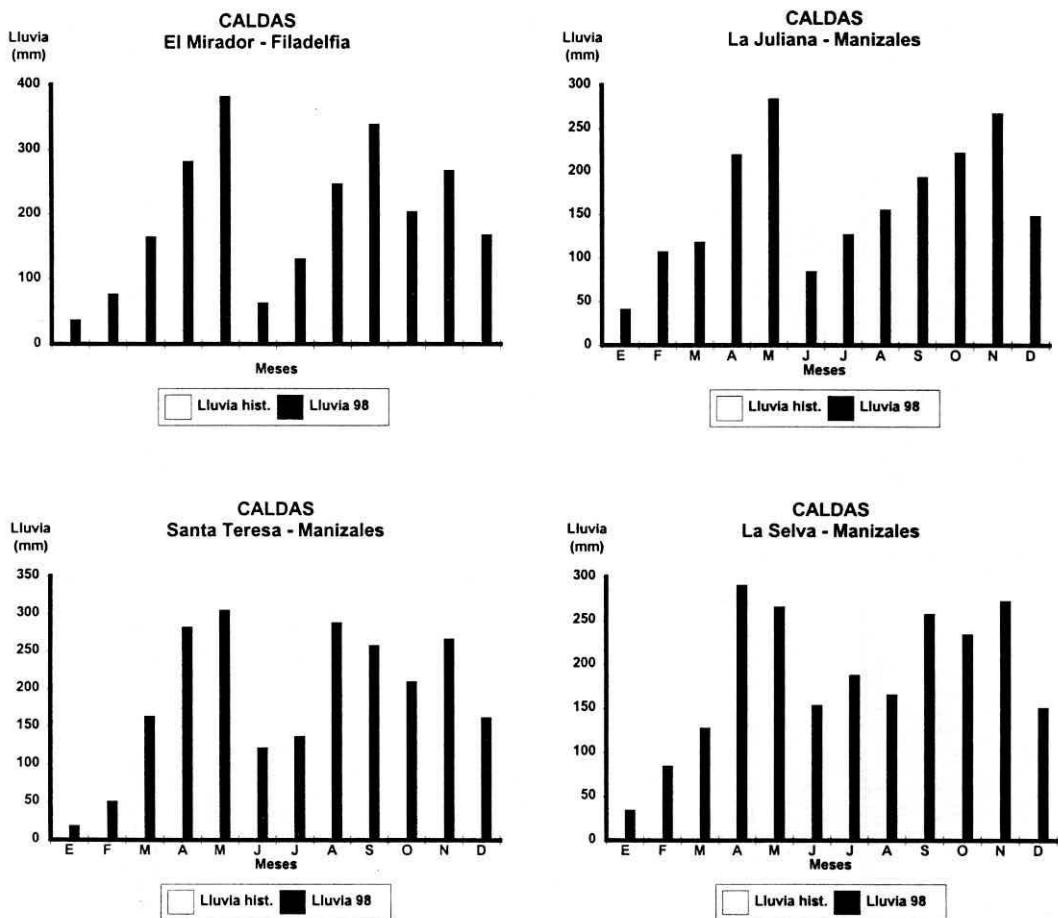
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	2.3	5.3	8.4	12.8	0.0	1.1	1.6	0.0	13.4	36.0
2	0.0	0.0	4.8	93.0	7.2	2.0	0.0	0.0	2.8	0.0	0.0	39.0
3	0.0	0.0	0.0	7.0	50.0	3.0	6.4	0.0	2.4	1.0	.4	2.7
4	0.0	0.0	.5	1.4	18.0	3.3	34.6	.1	.4	.8	5.1	0.0
5	0.0	0.0	1.7	.6	6.1	4.2	4.4	54.0	0.0	47.0	2.7	5.2
6	0.0	0.0	20.0	25.0	0.0	0.0	1.8	2.0	0.0	.9	1.0	6.5
7	.8	11.8	0.0	0.0	0.0	.3	0.0	5.1	.5	16.9	.4	.6
8	0.0	17.1	5.6	.3	0.0	8.4	2.4	6.5	13.5	1.6	.9	13.1
9	0.0	4.2	33.0	0.0	2.5	.8	.1	2.9	.1	0.0	13.3	1.1
10	0.0	1.2	0.0	32.0	3.9	0.0	.9	1.7	.1	0.0	2.7	6.2
11	0.0	0.0	0.0	7.3	13.6	0.0	4.1	0.0	4.7	0.0	0.0	3.2
12	0.0	0.0	0.0	5.0	2.9	0.0	4.1	0.0	26.7	0.0	3.4	.6
13	0.0	8.8	0.0	24.0	0.0	0.0	0.0	.6	2.1	1.8	18.6	1.6
14	11.4	6.5	0.0	.1	0.0	.5	.4	60.0	33.0	0.0	7.2	0.0
15	0.0	0.0	0.0	3.0	0.0	37.5	.4	0.0	1.6	0.0	24.0	0.0
16	0.0	0.0	.8	1.3	0.0	1.8	4.0	6.3	.3	.3	0.0	.6
17	0.0	0.0	0.0	5.7	21.0	0.0	.4	4.8	39.0	1.1	.5	0.0
18	0.0	0.0	0.0	5.3	1.1	0.0	24.5	48.0	0.0	.1	0.0	0.0
19	0.0	0.0	0.0	15.6	0.0	.4	3.6	1.8	.2	5.2	1.1	0.0
20	0.0	0.0	0.0	1.1	33.0	0.0	0.0	8.0	2.9	.3	8.2	2.0
21	6.0	1.9	0.0	15.6	0.0	38.0	0.0	1.7	40.0	7.0	24.0	10.0
22	0.0	0.0	5.0	.3	.3	.5	2.1	1.7	9.4	18.2	12.7	0.0
23	0.0	0.0	1.3	0.0	4.0	.9	0.0	0.0	3.3	16.1	14.5	6.1
24	0.0	0.0	0.0	5.4	4.1	0.0	3.2	2.8	.6	29.0	17.0	0.0
25	0.0	0.0	.5	0.0	26.7	0.0	1.0	65.0	25.0	4.6	6.7	2.0
26	0.0	0.0	10.0	8.0	20.3	0.0	.7	7.8	47.0	0.0	36.0	9.5
27	0.0	0.0	34.0	2.8	25.5	6.6	27.6	0.0	.7	15.6	35.0	6.6
28	0.0	0.0	34.0	11.1	24.0	1.4	8.1	0.0	.3	13.5	11.4	0.0
29	1.4	0.0	0.0	1.2	23.0	0.0	2.5	2.8	0.0	10.6	1.0	1.4
30	0.0	10.3	5.4	2.0	0.0	0.0	2.2	0.0	1.6	6.0	1.8	
31	0.0	.5		8.0		.5	2.2		17.2		7.1	
Total	19.6	51.5	164.3	282.8	305.6	122.4	137.8	289.1	258.2	210.4	267.2	162.9
Días Ll.	4	7	16	26	22	17	23	23	25	22	26	22

Estación : LA SELVA  
Año : 1998

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	0.0	0.0	5.0	17.0	26.0	32.0	0.0	2.0	0.0	0.0	26.0	10.0
2	0.0	0.0	9.0	37.0	19.0	4.0	0.0	0.0	11.0	22.0	0.0	0.0
3	0.0	0.0	0.0	3.0	44.0	0.0	15.0	0.0	0.0	10.0	8.0	0.0
4	0.0	0.0	3.0	0.0	5.0	7.0	25.0	0.0	0.0	0.0	7.0	8.0
5	8.0	5.0	3.0	0.0	0.0	3.0	11.0	12.0	2.0	10.0	11.0	0.0
6	14.0	0.0	0.0	54.0	0.0	0.0	18.0	0.0	0.0	3.0	3.0	5.0
7	0.0	18.0	11.0	0.0	8.0	0.0	0.0	20.0	19.0	16.0	0.0	0.0
8	0.0	19.0	0.0	0.0	18.0	6.0	9.0	0.0	3.0	0.0	3.0	0.0
9	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	6.0
10	0.0	0.0	13.0	28.0	0.0	0.0	0.0	6.0	0.0	10.0	3.0	46.0
11	0.0	0.0	0.0	10.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	13.0	0.0
13	0.0	8.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0
14	0.0	3.0	0.0	0.0	0.0	41.0	0.0	40.0	45.0	0.0	5.0	0.0
15	0.0	0.0	0.0	0.0	0.0	10.0	4.0	0.0	2.0	10.0	18.0	0.0
16	3.0	0.0	0.0	0.0	5.0	0.0	32.0	5.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	16.0	3.0	15.0	0.0
18	0.0	0.0	0.0	6.0	0.0	0.0	27.0	10.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	8.0	0.0	0.0	6.0	6.0	0.0	0.0	16.0	3.0
20	0.0	0.0	0.0	0.0	6.0	0.0	0.0	20.0	0.0	0.0	11.0	12.0
21	0.0	5.0	0.0	7.0	0.0	20.0	0.0	0.0	29.0	7.0	16.0	0.0
22	0.0	17.0	23.0	0.0	5.0	0.0	3.0	0.0	33.0	19.0	5.0	0.0
23	0.0	0.0	0.0	13.0	0.0	5.0	10.0	0.0	6.0	24.0	15.0	30.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	9.0	0.0
25	0.0	0.0	0.0	0.0	30.0	0.0	0.0	31.0	36.0	16.0	0.0	9.0
26	0.0	0.0	21.0	2.0	37.0	0.0	0.0	14.0	40.0	0.0	5.0	2.0
27	10.0	0.0	6.0	0.0	23.0	0.0	4.0	0.0	0.0	12.0	18.0	0.0
28	0.0	0.0	23.0	18.0	18.0	26.0	16.0	0.0	0.0	11.0	13.0	0.0
29	0.0	6.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	34.0	7.0	0.0
30	0.0	5.0	60.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
Total	35.0	85.0	128.0	291.0	266.0	154.0	188.0	166.0	258.0	235.0	273.0	151.0
Días Ll.	4	8	12	15	15	10	15	11	13	17	23	11



Estación : LAS COLINAS  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANIZALES

Latitud : 5 ° 75' N  
Longitud : 75 ° 34' W  
Altitud : 1450 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	4.3	9.8	14.3	27.2	0.0	0.0	0.0	0.0	5.4	27.8
2	0.0	0.0	2.7	92.7	21.8	3.5	0.0	5.5	10.5	10.1	0.0	3.2
3	0.0	0.0	0.0	8.6	28.7	0.0	10.3	0.0	0.0	4.7	0.0	0.0
4	0.0	0.0	0.0	0.0	10.0	0.0	19.7	0.0	0.0	0.0	7.5	0.0
5	3.2	6.8	0.0	0.0	7.2	4.6	7.4	14.4	1.4	14.5	18.7	0.0
6	9.0	0.0	1.5	46.6	3.9	0.0	0.0	0.0	0.0	3.4	0.0	30.0
7	0.0	16.5	17.0	0.0	2.2	0.0	2.5	22.7	24.4	8.2	0.0	0.0
8	0.0	14.7	0.0	0.0	6.2	5.0	5.5	0.0	3.5	0.0	1.5	10.0
9	0.0	6.0	5.5	0.0	0.0	1.0	0.0	0.0	0.0	0.0	36.5	4.5
10	0.0	2.3	8.7	37.5	0.0	0.0	0.0	1.5	0.0	1.5	1.6	12.3
11	0.0	0.0	0.0	6.5	16.5	0.0	0.0	0.0	0.0	0.0	0.0	29.8
12	0.0	0.0	0.0	6.7	1.0	0.0	0.0	0.0	13.4	3.3	55.8	1.6
13	0.0	10.6	0.0	34.1	0.0	0.0	0.0	0.0	20.2	0.0	9.6	0.0
14	0.0	0.0	0.0	0.0	0.0	23.0	0.0	25.5	21.1	29.2	1.5	0.0
15	0.0	3.0	0.0	6.0	0.0	10.4	2.0	0.0	0.0	10.4	1.7	0.0
16	2.6	0.0	0.0	0.0	0.0	0.0	10.0	8.5	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	6.7	3.7	0.0	0.0	0.0	20.5	0.0	12.7	0.0
18	0.0	0.0	0.0	27.5	0.0	0.0	17.6	24.8	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	4.5	13.7	0.0
20	0.0	0.0	0.0	0.0	20.3	0.0	0.0	20.5	1.6	0.0	15.0	7.7
21	0.0	0.0	0.0	6.5	10.0	10.0	0.0	0.0	57.0	5.3	13.5	0.0
22	0.0	0.0	11.1	0.0	2.5	0.0	7.0	0.0	15.2	20.0	14.8	0.0
23	0.0	3.6	1.0	8.6	0.0	9.0	4.3	0.0	8.4	20.3	5.5	0.0
24	0.0	0.0	0.0	0.0	1.5	0.0	1.2	0.0	0.0	20.0	17.5	0.0
25	0.0	0.0	1.3	0.0	36.5	0.0	0.0	44.5	37.5	16.7	2.0	6.0
26	0.0	0.0	8.5	3.5	24.0	0.0	19.8	11.4	12.2	0.0	1.3	0.0
27	3.5	0.0	6.7	0.0	19.8	0.0	25.5	0.0	0.0	12.4	17.0	0.0
28	0.0	0.0	20.0	4.7	17.5	5.0	0.0	0.0	0.0	6.5	10.5	1.4
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	8.0	0.0
30	0.0	0.0	9.8	24.5	0.0	0.0	0.0	0.0	0.0	0.0	12.5	2.2
31	0.0	0.0	0.0	6.2	0.0	0.0	2.0	0.0	6.3	0.0	0.0	Anual
Total	18.3	63.5	98.1	341.5	253.8	98.7	132.8	181.3	246.9	206.6	283.8	136.5
Días Ll.	4	8	13	17	20	10	13	11	14	19	23	12

Estación : SANTA TERESITA  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANIZALES

Latitud : 5 ° 75' 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	9.0	10.0	28.0	0.0	0.0	0.0	9.0	0.0	41.0	5.0
2	0.0	0.0	0.0	50.0	37.0	16.0	0.0	0.0	7.0	10.0	8.0	0.0
3	0.0	14.0	0.0	3.0	26.0	0.0	0.0	0.0	0.0	0.0	23.0	0.0
4	0.0	0.0	0.0	0.0	0.0	3.0	37.0	0.0	3.0	19.0	0.0	0.0
5	9.0	0.0	15.0	2.0	0.0	0.0	16.0	12.0	0.0	20.0	12.0	31.0
6	51.0	0.0	0.0	61.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	46.0	0.0	0.0	0.0	4.0	0.0	22.0	18.0	0.0	0.0	0.0
8	0.0	6.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
9	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.0	0.0
10	0.0	0.0	37.0	37.0	19.0	0.0	0.0	9.0	0.0	24.0	0.0	14.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0
13	0.0	9.0	0.0	23.0	0.0	19.0	0.0	5.0	11.0	0.0	44.0	0.0
14	0.0	0.0	0.0	0.0	0.0	7.0	0.0	29.0	20.0	0.0	11.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	29.0	7.0	0.0	10.0	0.0	0.0
16	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	13.0	0.0
17	0.0	0.0	0.0	15.0	14.0	0.0	0.0	0.0	0.0	0.0	32.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	25.0	13.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	7.0	0.0	0.0	3.0	12.0	0.0	5.0	0.0	22.0
20	0.0	0.0	0.0	0.0	5.0	0.0	0.0	22.0	0.0	0.0	15.0	0.0
21	0.0	5.0	0.0	3.0	0.0	67.0	0.0	0.0	52.0	0.0	14.0	0.0
22	0.0	10.0	21.0	0.0	0.0	0.0	0.0	0.0	21.0	28.0	30.0	0.0
23	0.0	0.0	0.0	1.0	0.0	0.0	3.0	0.0	0.0	27.0	20.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	15.0
25	0.0	0.0	14.0	0.0	22.0	0.0	0.0	20.0	40.0	0.0	0.0	7.0
26	5.0	0.0	11.0	0.0	47.0	19.0	0.0	13.0	47.0	0.0	5.0	0.0
27	0.0	0.0	5.0	9.0	17.0	14.0	8.0	0.0	6.0	0.0	30.0	0.0
28	0.0	0.0	37.0	0.0	0.0	0.0	10.0	0.0	0.0	4.0	0.0	0.0
29	0.0	0.0	7.0	10.0	0.0	0.0	0.0	8.0	0.0	58.0	5.0	0.0
30	0.0	0.0	63.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	69.0	106.0	156.0	294.0	226.0	149.0	140.0	172.0	268.0	227.0	383.0	94.0
Días Ll.	4	7	9	14	11	8	9	12	13	11	18	6

Estación : EL RECREO  
Año : 1998

Dpto. : CALDAS  
Mpio. : PALESTINA

Latitud : 5 ° 2' N  
Longitud : 75 ° 39' W  
Altitud : 1450 m

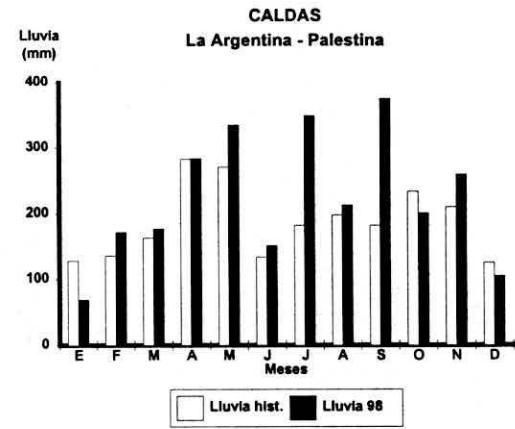
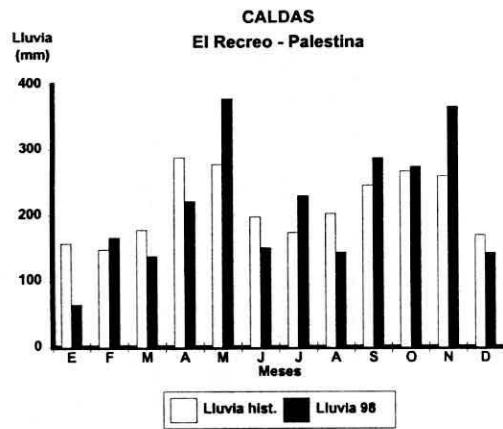
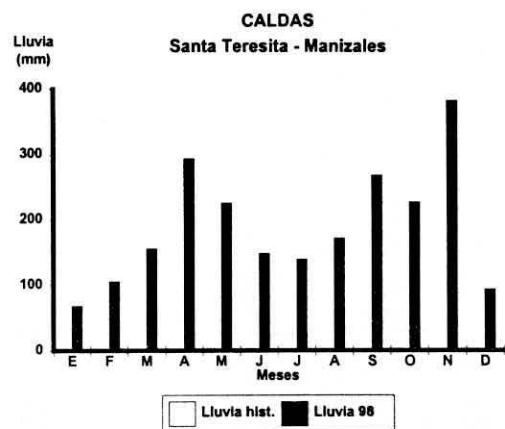
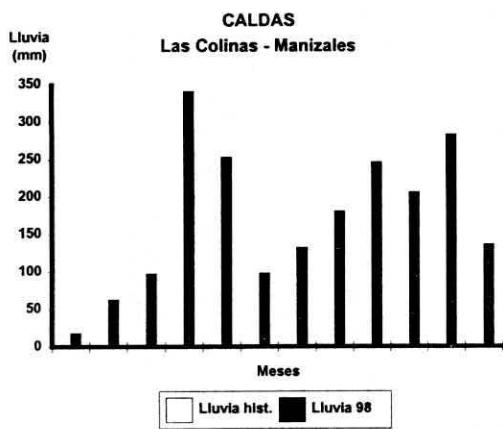
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	4.0	3.0	13.5	9.0	0.0	0.0	23.0	0.0	18.0	2.5
2	0.0	2.0	0.0	40.0	58.0	3.0	0.0	0.0	12.0	0.0	1.0	20.0
3	0.0	4.0	0.0	2.0	32.0	0.0	7.0	0.0	4.0	13.5	0.0	9.0
4	0.0	1.0	0.0	1.0	5.5	14.0	15.0	11.0	0.0	0.0	3.0	0.0
5	0.0	9.5	0.0	23.0	0.0	0.0	28.0	17.0	0.0	23.0	3.0	37.0
6	3.0	0.0	0.0	0.0	1.0	16.0	31.0	.5	0.0	6.0	22.0	15.0
7	38.0	29.0	8.0	0.0	39.0	0.0	0.0	26.0	.5	0.0	1.0	3.0
8	0.0	9.0	0.0	0.0	2.0	3.5	5.0	0.0	1.0	0.0	.5	0.0
9	0.0	32.0	0.0	2.5	0.0	.5	6.0	0.0	0.0	0.0	31.0	4.0
10	0.0	1.5	14.0	53.5	3.0	0.0	0.0	10.0	.5	4.0	0.0	2.0
11	0.0	0.0	0.0	3.0	40.0	0.0	4.0	0.0	18.0	0.0	0.0	10.0
12	0.0	0.0	0.0	14.0	.5	0.0	6.0	0.0	10.0	0.0	8.0	0.0
13	0.0	17.0	0.0	0.0	0.0	5.0	2.0	1.0	.5	0.0	63.0	0.0
14	0.0	.5	0.0	0.0	.5	22.0	.5	14.0	0.0	0.0	4.0	0.0
15	0.0	0.0	0.0	0.0	0.0	14.0	3.5	0.0	38.0	2.0	9.0	0.0
16	6.5	0.0	0.0	0.0	0.0	4.0	26.0	0.0	2.0	0.0	1.0	0.0
17	0.0	0.0	0.0	2.0	22.0	0.0	2.0	0.0	1.0	0.0	14.0	0.0
18	0.0	0.0	0.0	8.0	9.0	0.0	48.0	9.0	7.0	1.0	9.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	2.0	12.5	0.0	3.0	3.0	0.0
20	0.0	0.0	0.0	0.0	.5	24.0	0.0	6.0	1.0	1.0	4.0	0.0
21	0.0	.5	0.0	2.0	0.0	13.0	0.0	0.0	23.0	2.0	30.0	2.0
22	0.0	13.0	3.0	23.0	0.0	0.0	0.0	0.0	78.0	55.0	32.0	0.0
23	4.0	.5	0.0	18.0	1.0	10.0	0.0	0.0	1.0	39.0	6.0	1.5
24	0.0	0.0	0.0	8.5	7.0	0.0	0.0	17.0	0.0	30.0	17.0	0.0
25	0.0	0.0	0.0	.5	20.0	0.0	2.0	17.0	37.0	53.0	0.0	27.0
26	0.0	0.0	34.0	0.0	50.0	0.0	1.0	0.0	29.0	0.0	3.0	10.0
27	0.0	47.0	20.0	1.0	44.0	2.0	31.0	0.0	1.0	.5	68.0	0.0
28	0.0	0.0	29.0	6.0	15.0	11.0	3.0	0.0	0.0	13.0	1.0	0.0
29	0.0	16.0	7.0	6.5	0.0	7.0	3.0	0.0	0.0	26.0	13.0	0.0
30	12.5	10.0	4.0	0.0	0.0	.5	0.0	0.0	0.0	0.0	1.0	0.0
31	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	2.5	0.0	0.0	Anual
Total	64.0	166.5	138.0	222.0	378.0	151.0	230.5	144.0	287.5	274.5	365.5	143.0
Días Ll.	5	14	9	20	22	15	21	13	20	17	26	13

Estación : LA ARGENTINA  
Año : 1998

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	0.0	0.0	7.0	10.0	20.0	5.0	0.0	0.0	18.0	0.0	18.0	5.0
2	0.0	49.0	0.0	34.0	50.0	2.0	0.0	0.0	35.0	0.0	0.0	8.0
3	0.0	0.0	0.0	0.0	27.0	0.0	34.0	0.0	0.0	9.0	0.0	21.0
4	0.0	3.0	0.0	2.0	0.0	0.0	18.0	18.0	0.0	0.0	0.0	0.0
5	12.0	12.0	0.0	0.0	0.0	17.0	35.0	0.0	0.0	20.0	7.0	20.0
6	25.0	0.0	0.0	30.0	0.0	33.0	20.0	0.0	0.0	7.0	5.0	3.0
7	0.0	40.0	8.0	0.0	6.0	4.0	0.0	45.0	2.0	0.0	6.0	0.0
8	0.0	5.0	0.0	0.0	3.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0
9	0.0	41.0	0.0	0.0	0.0	3.0	2.0	0.0	0.0	0.0	43.0	0.0
10	0.0	0.0	24.0	41.0	0.0	0.0	0.0	23.0	22.0	0.0	0.0	2.0
11	0.0	0.0	0.0	0.0	44.0	0.0	18.0	0.0	48.0	0.0	0.0	10.0
12	0.0	0.0	0.0	5.0	0.0	3.0	0.0	0.0	16.0	0.0	12.0	0.0
13	0.0	13.0	0.0	10.0	0.0	0.0	2.0	10.0	15.0	0.0	44.0	0.0
14	0.0	0.0	0.0	0.0	0.0	31.0	3.0	10.0	17.0	0.0	5.0	0.0
15	5.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	7.0	20.0	3.0	6.0
16	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0
17	0.0	0.0	0.0	18.0	21.0	0.0	29.0	0.0	0.0	4.0	22.0	4.0
18	0.0	0.0	0.0	0.0	0.0	0.0	60.0	18.0	0.0	0.0	0.0	0.0
19	0.0	0.0	29.0	35.0	0.0	0.0	4.0	28.0	0.0	0.0	20.0	0.0
20	0.0	4.0	0.0	0.0	2.0	16.0	0.0	10.0	13.0	4.0	7.0	0.0
21	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	47.0	19.0	9.0	6.0
22	0.0	5.0	6.0	11.0	0.0	0.0	0.0	0.0	44.0	17.0	5.0	0.0
23	15.0	0.0	0.0	7.0	0.0	14.0	0.0	0.0	0.0	42.0	17.0	0.0
24	0.0	0.0	1.0	9.0	10.0	0.0	18.0	30.0	0.0	19.0	11.0	12.0
25	0.0	0.0	10.0	26.0	20.0	0.0	0.0	11.0	25.0	0.0	0.0	4.0
26	0.0	0.0	44.0	0.0	52.0	0.0	0.0	0.0	60.0	0.0	13.0	0.0
27	0.0	0.0	18.0	0.0	35.0	9.0	58.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	27.0	20.0	17.0	3.0	18.0	0.0	0.0	7.0	0.0	4.0
29	12.0	3.0	15.0	5.0	0.0	12.0	10.0	0.0	0.0	24.0	9.0	0.0
30	0.0	0.0	6.0	6.0	0.0	0.0	0.0	0.0	9.0	4.0	0.0	0.0
31	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	69.0	172.0	177.0	284.0	335.0	151.0	349.0	213.0	375.0	201.0	260.0	105.0
Días Ll.	5	9	11	17	17	13	16	11	15	13	19	13



Estación : MORAVO  
Año : 1998

Dpto. : CALDAS  
Mpio. : CHINCHINA

Latitud : 5 ° 75' m  
Longitud : 43 ° 43' W  
Altitud : 1094 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	19.0	0.0	40.0	4.0	0.0	0.0	0.0	0.0	34.0	10.0
2	0.0	55.0	0.0	80.0	37.0	4.0	0.0	0.0	47.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	33.0	0.0	20.0	0.0	3.0	0.0	0.0	3.0
4	0.0	0.0	0.0	0.0	9.0	10.0	16.0	32.0	0.0	5.0	5.0	0.0
5	3.0	5.0	0.0	10.0	0.0	0.0	16.0	14.0	0.0	40.0	0.0	5.0
6	28.0	0.0	12.0	35.0	0.0	42.0	10.0	0.0	0.0	2.0	0.0	6.0
7	0.0	65.0	6.0	0.0	3.0	0.0	0.0	20.0	0.0	0.0	17.0	0.0
8	0.0	0.0	0.0	0.0	0.0	10.0	46.0	0.0	7.0	0.0	0.0	0.0
9	0.0	20.0	0.0	9.0	0.0	24.0	0.0	0.0	0.0	0.0	16.0	0.0
10	0.0	0.0	32.0	50.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	8.0	23.0	10.0	0.0	0.0	83.0	0.0	3.0	17.0
12	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	10.0	0.0	2.0	7.0
13	0.0	32.0	0.0	10.0	0.0	5.0	3.0	33.0	15.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	1.0	16.0	0.0	0.0	21.0	0.0	0.0	1.0
15	0.0	0.0	0.0	0.0	0.0	6.0	6.0	4.0	0.0	50.0	0.0	8.0
16	11.0	0.0	0.0	0.0	0.0	10.0	12.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	67.0	5.0	0.0	12.0	0.0	5.0	0.0	20.0	0.0
18	0.0	0.0	0.0	0.0	10.0	0.0	65.0	10.0	4.0	5.0	5.0	5.0
19	0.0	0.0	0.0	23.0	0.0	0.0	6.0	35.0	0.0	0.0	0.0	0.0
20	0.0	0.0	20.0	0.0	1.0	0.0	0.0	17.0	0.0	0.0	65.0	15.0
21	0.0	0.0	0.0	9.0	0.0	8.0	3.0	0.0	63.0	10.0	64.0	2.0
22	0.0	12.0	6.0	4.0	0.0	14.0	10.0	0.0	83.0	21.0	0.0	0.0
23	1.0	0.0	1.0	10.0	0.0	13.0	0.0	3.0	0.0	45.0	15.0	8.0
24	0.0	0.0	0.0	12.0	0.0	0.0	0.0	8.0	0.0	22.0	25.0	0.0
25	0.0	0.0	1.0	35.0	13.0	0.0	11.0	12.0	25.0	25.0	0.0	3.0
26	0.0	0.0	30.0	0.0	54.0	0.0	2.0	13.0	28.0	5.0	0.0	0.0
27	0.0	0.0	34.0	7.0	30.0	0.0	17.0	0.0	0.0	4.0	5.0	0.0
28	0.0	0.0	0.0	0.0	13.0	3.0	18.0	0.0	0.0	7.0	5.0	16.0
29	0.0	0.0	6.0	3.0	0.0	0.0	32.0	3.0	0.0	32.0	7.0	3.0
30	6.0	0.0	10.0	0.0	0.0	0.0	2.0	0.0	4.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0
Total	49.0	189.0	177.0	372.0	280.0	179.0	317.0	220.0	398.0	273.0	288.0	115.0
Días Ll.	5	6	12	16	15	15	20	14	14	14	15	16

Anual  
2857.0

Estación : JAVA  
Año : 1998

Dpto. : CALDAS  
Mpio. : MANIZALES

Latitud : 5 ° 75' m  
Longitud : 43 ° 33' W  
Altitud : 1700 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	18.0	8.0	0.0	17.0	0.0	0.0	0.0	8.0	0.0	20.0
2	0.0	0.0	8.0	0.0	40.0	0.0	0.0	0.0	3.0	0.0	2.0	21.0
3	0.0	0.0	0.0	3.0	31.0	3.0	58.0	0.0	5.0	13.0	3.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	10.0	2.0
5	0.0	0.0	0.0	0.0	0.0	0.0	21.0	0.0	0.0	20.0	2.0	0.0
6	7.0	0.0	0.0	10.0	6.0	4.0	8.0	10.0	1.0	4.0	3.0	5.0
7	0.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0	0.0
8	0.0	15.0	0.0	2.0	0.0	0.0	4.0	1.0	0.0	3.0	0.0	3.0
9	0.0	0.0	2.0	0.0	3.0	5.0	3.0	0.0	0.0	0.0	17.0	3.0
10	0.0	0.0	13.0	32.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
11	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	3.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	6.0	0.0	0.0
13	0.0	19.0	0.0	60.0	0.0	6.0	3.0	10.0	2.0	0.0	43.0	0.0
14	0.0	3.0	0.0	0.0	3.0	0.0	0.0	13.0	5.0	2.0	0.0	0.0
15	0.0	0.0	0.0	4.0	0.0	22.0	2.0	0.0	3.0	4.0	5.0	0.0
16	8.0	0.0	0.0	0.0	0.0	0.0	12.0	2.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	5.0	0.0	0.0	0.0	6.0	16.0	5.0	4.0	0.0
18	0.0	0.0	0.0	0.0	0.0	2.0	42.0	17.0	0.0	0.0	0.0	0.0
19	0.0	8.0	0.0	2.0	0.0	0.0	3.0	0.0	0.0	0.0	2.0	0.0
20	0.0	0.0	0.0	0.0	17.0	0.0	0.0	8.0	2.0	0.0	13.0	2.0
21	0.0	0.0	13.0	0.0	0.0	22.0	0.0	0.0	20.0	4.0	5.0	0.0
22	0.0	0.0	0.0	4.0	3.0	0.0	0.0	0.0	18.0	5.0	4.0	0.0
23	0.0	0.0	2.0	0.0	5.0	0.0	0.0	2.0	1.0	28.0	17.0	11.0
24	0.0	0.0	0.0	0.0	0.0	0.0	2.0	10.0	0.0	23.0	8.0	0.0
25	0.0	0.0	0.0	0.0	10.0	6.0	0.0	14.0	15.0	1.0	7.0	15.0
26	0.0	0.0	18.0	6.0	35.0	0.0	3.0	12.0	0.0	0.0	40.0	42.0
27	0.0	0.0	2.0	0.0	26.0	0.0	1.0	0.0	7.0	4.0	24.0	10.0
28	0.0	0.0	0.0	11.0	21.0	0.0	10.0	0.0	0.0	0.0	32.0	0.0
29	0.0	3.0	0.0	0.0	7.0	0.0	2.0	0.0	0.0	39.0	0.0	3.0
30	0.0	12.0	5.0	4.0	0.0	0.0	0.0	0.0	5.0	15.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0
Total	15.0	105.0	91.0	163.0	211.0	87.0	177.0	109.0	115.0	188.0	271.0	140.0
Días Ll.	2	5	10	14	14	9	16	14	14	20	22	13

Anual  
1672.0

Estación : LA PALMA  
Año : 1998

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	0.0	0.0	0.0	4.0	49.0	4.0	0.0	0.0	10.0	0.0		
2	0.0	63.0	0.0	40.0	50.0	0.0	0.0	0.0	0.0	10.0		30.0
3	0.0	0.0	0.0	0.0	0.0	9.0	22.0	0.0	0.0	0.0		20.0
4	0.0	3.0	0.0	0.0	2.0	30.0	20.0	24.0	0.0	0.0		3.0
5	5.0	0.0	0.0	40.0	3.0	32.0	18.0	0.0	0.0	53.0		2.0
6	27.0	0.0	0.0	0.0	7.0	3.0	0.0	10.0	0.0	0.0		1.0
7	0.0	62.0	3.0	0.0	0.0	0.0	38.0	0.0	17.0	8.0		0.0
8	0.0	0.0	0.0	20.0	3.0	0.0	25.0	0.0	20.0	0.0		0.0
9	0.0	40.0	0.0	21.0	0.0	8.0	13.0	1.0	0.0	14.0		0.0
10	0.0	0.0	33.0	20.0	0.0	0.0	0.0	10.0	0.0	0.0		3.0
11	0.0	0.0	0.0	18.0	45.0	0.0	0.0	10.0	35.0	0.0		15.0
12	0.0	0.0	0.0	12.0	2.0	0.0	3.0	12.0	0.0	0.0		0.0
13	0.0	18.0	0.0	0.0	0.0	50.0	0.0	15.0	19.0	0.0		0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	47.0		2.0
15	18.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0		3.0
16	0.0	0.0	0.0	30.0	0.0	0.0	11.0	0.0	14.0	0.0		0.0
17	0.0	0.0	0.0	0.0	23.0	0.0	62.0	0.0	0.0	10.0		0.0
18	0.0	0.0	0.0	19.0	0.0	15.0	0.0	0.0	8.0	20.0		0.0
19	0.0	0.0	12.0	0.0	0.0	8.0	3.0	35.0	30.0	0.0		2.0
20	0.0	3.0	10.0	12.0	0.0	8.0	0.0	25.0	25.0	0.0		25.0
21	0.0	1.0	0.0	19.0	0.0	5.0	3.0	0.0	10.0	35.0		10.0
22	0.0	0.0	0.0	20.0	3.0	12.0	0.0	0.0	7.0	20.0		0.0
23	3.0	0.0	0.0	14.0	0.0	0.0	0.0	15.0	0.0	30.0		20.0
24	0.0	0.0	40.0	7.0	26.0	0.0	19.0	15.0	0.0	28.0		0.0
25	0.0	0.0	23.0	0.0	19.0	0.0	20.0	0.0	10.0	0.0		12.0
26	0.0	0.0	0.0	10.0	9.0	0.0	12.0	0.0	12.0	18.0		0.0
27	0.0	0.0	12.0	0.0	10.0	0.0	0.0	13.0	0.0	0.0		0.0
28	0.0	0.0	27.0	8.0	14.0	0.0	30.0	0.0	15.0	10.0		0.0
29	0.0	1.0	0.0	0.0	0.0	19.0	4.0	0.0	0.0	0.0		3.0
30	5.0	0.0	21.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0		0.0
31	0.0	0.0	5.0	0.0	3.0	0.0	0.0	0.0	12.0	0.0		0.0
Total	58.0	190.0	187.0	314.0	273.0	184.0	332.0	189.0	321.0	328.0		151.0
Días Ll.	5	7	11	17	17	12	17	13	15	15		15

Anual

Estación : LA DIVISA  
Año : 1998

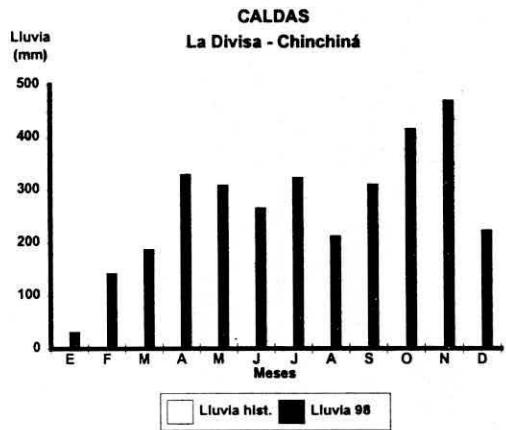
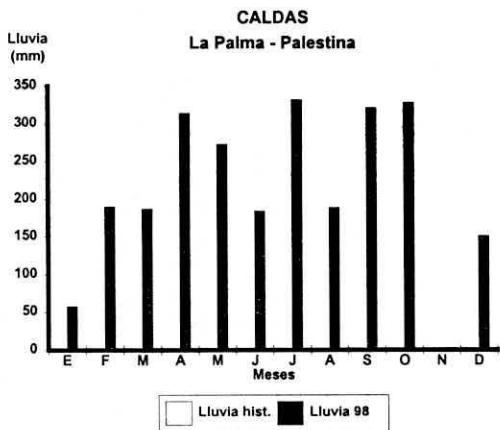
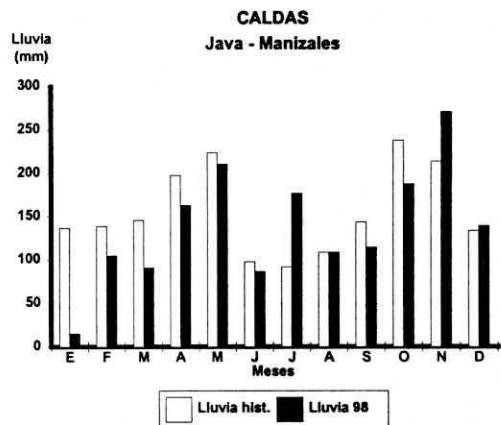
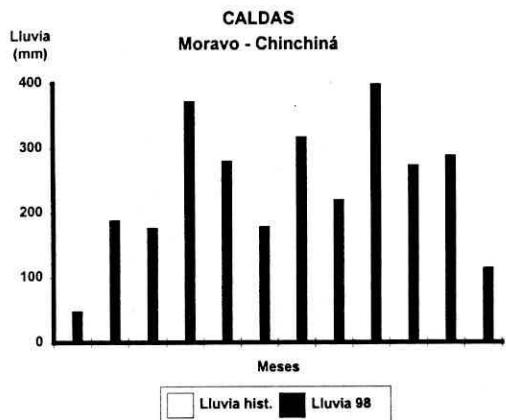
Dpto. : CALDAS  
Mpio. : CHINCHINA

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	0.0	0.0	0.0	1.0	4.0	6.0	0.0	0.0	28.0	0.0	0.0	5.0
2	0.0	0.0	25.0	3.0	14.0	11.0	0.0	0.0	17.0	1.0	3.0	18.0
3	0.0	0.0	8.0	37.0	13.0	8.0	0.0	0.0	0.0	24.0	0.0	0.0
4	0.0	3.0	0.0	6.0	43.0	1.0	6.0	2.0	0.0	1.0	32.0	0.0
5	0.0	0.0	0.0	1.0	18.0	55.0	33.0	16.0	0.0	94.0	10.0	18.0
6	22.0	0.0	0.0	0.0	19.0	0.0	34.0	2.0	0.0	4.0	0.0	12.0
7	2.0	90.0	0.0	5.0	10.0	40.0	60.0	32.0	0.0	3.0	11.0	4.0
8	0.0	10.0	8.0	0.0	0.0	22.0	6.0	0.0	19.0	0.0	0.0	2.0
9	0.0	3.0	0.0	0.0	0.0	3.0	8.0	0.0	0.0	21.0	24.0	3.0
10	0.0	0.0	0.0	0.0	0.0	0.0	3.0	6.0	0.0	1.0	0.0	2.0
11	0.0	0.0	3.0	10.0	4.0	0.0	0.0	0.0	28.0	1.0	0.0	15.0
12	0.0	0.0	0.0	12.0	6.0	0.0	2.0	0.0	0.0	2.0	60.0	1.0
13	0.0	11.0	0.0	0.0	0.0	0.0	30.0	17.0	3.0	2.0	43.0	0.0
14	0.0	14.0	5.0	59.0	0.0	8.0	8.0	24.0	43.0	0.0	23.0	0.0
15	0.0	0.0	0.0	2.0	0.0	32.0	0.0	1.0	0.0	10.0	4.0	0.0
16	2.0	0.0	0.0	28.0	0.0	20.0	6.0	0.0	0.0	0.0	25.0	0.0
17	0.0	0.0	7.0	0.0	0.0	0.0	47.0	0.0	12.0	0.0	0.0	16.0
18	0.0	0.0	0.0	19.0	22.0	0.0	8.0	15.0	0.0	0.0	72.0	4.0
19	0.0	6.0	0.0	9.0	0.0	0.0	32.0	0.0	32.0	9.0	14.0	3.0
20	0.0	0.0	0.0	11.0	0.0	0.0	2.0	0.0	4.0	3.0	32.0	0.0
21	0.0	3.0	0.0	2.0	0.0	5.0	0.0	0.0	7.0	11.0	4.0	7.0
22	0.0	0.0	0.0	20.0	3.0	35.0	0.0	0.0	55.0	17.0	0.0	0.0
23	0.0	3.0	9.0	8.0	0.0	10.0	0.0	0.0	3.0	47.0	0.0	55.0
24	0.0	0.0	4.0	12.0	0.0	0.0	0.0	32.0	0.0	66.0	32.0	6.0
25	0.0	0.0	0.0	50.0	8.0	5.0	0.0	10.0	40.0	22.0	4.0	21.0
26	0.0	0.0	0.0	3.0	41.0	0.0	2.0	10.0	21.0	0.0	14.0	11.0
27	2.0	0.0	16.0	0.0	34.0	0.0	0.0	0.0	0.0	0.0	33.0	20.0
28	0.0	0.0	61.0	14.0	47.0	0.0	27.0	0.0	0.0	24.0	0.0	0.0
29	0.0	17.0	19.0	21.0	6.0	5.0	38.0	0.0	51.0	11.0	0.0	0.0
30	4.0	0.0	21.0	0.0	3.0	0.0	6.0	3.0	0.0	0.0	20.0	1.0
31	0.0	0.0	4.0	0.0	0.0	0.0	5.0	5.0	3.0	0.0	0.0	0.0
Total	32.0	143.0	188.0	331.0	310.0	267.0	325.0	213.0	312.0	417.0	471.0	224.0
Días Ll.	5	9	13	22	17	16	19	15	14	22	20	20

Anual

3233.0



Estación : LA SIERRA  
Año : 1998

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	12.0	5.0	4.0	12.0	7.0	0.0	0.0	14.0	0.0	22.0	10.0
2	0.0	0.0	5.0	41.0	32.0	12.0	0.0	0.0	22.0	10.0	7.0	16.0
3	0.0	0.0	0.0	0.0	42.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0
4	0.0	0.0	0.0	0.0	5.0	34.0	20.0	0.0	0.0	0.0	7.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	31.0	22.0	0.0	90.0	5.0	25.0
6	20.0	0.0	0.0	0.0	0.0	78.0	50.0	0.0	0.0	32.0	0.0	0.0
7	0.0	80.0	6.0	0.0	7.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
8	0.0	15.0	0.0	12.0	0.0	12.0	10.0	0.0	0.0	0.0	0.0	0.0
9	0.0	4.0	7.0	0.0	0.0	15.0	4.0	0.0	0.0	0.0	64.0	0.0
10	0.0	0.0	6.0	26.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	8.0	9.0	0.0	12.0	0.0	24.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	10.0	30.0
13	0.0	10.0	0.0	42.0	0.0	16.0	6.0	19.0	12.0	0.0	0.0	6.0
14	0.0	5.0	0.0	0.0	12.0	20.0	0.0	0.0	16.0	0.0	81.0	0.0
15	0.0	0.0	0.0	20.0	0.0	10.0	10.0	0.0	0.0	10.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	10.0	26.0	0.0	0.0	0.0	10.0	0.0
17	0.0	0.0	0.0	0.0	19.0	0.0	16.0	0.0	10.0	0.0	0.0	5.0
18	0.0	0.0	0.0	0.0	0.0	0.0	30.0	18.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	40.0	0.0	0.0	3.0	20.0	0.0	10.0	36.0	0.0
20	0.0	0.0	0.0	0.0	0.0	8.0	0.0	10.0	8.0	0.0	0.0	0.0
21	0.0	0.0	0.0	5.0	0.0	18.0	0.0	0.0	54.0	5.0	48.0	46.0
22	0.0	0.0	8.0	50.0	0.0	10.0	8.0	0.0	52.0	0.0	0.0	0.0
23	0.0	3.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	70.0	10.0	16.0
24	0.0	0.0	0.0	54.0	5.0	0.0	0.0	46.0	0.0	50.0	15.0	0.0
25	0.0	0.0	0.0	0.0	35.0	0.0	5.0	20.0	10.0	42.0	0.0	34.0
26	0.0	0.0	84.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	62.0	12.0	39.0	0.0	66.0	0.0	0.0	24.0	30.0	12.0
28	0.0	0.0	5.0	10.0	24.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	30.0	0.0	0.0	0.0	0.0	17.0	28.0	5.0	32.0	10.0	0.0
30	15.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0
31	0.0	5.0	0.0	20.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0

Total 35.0 129.0 223.0 331.0 291.0 254.0 334.0 208.0 227.0 391.0 370.0 200.0 2993.0  
Días Ll. 2 7 12 14 14 14 17 10 11 12 16 10

Estación : LA FRANCIA  
Año : 1998

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	0.0	0.0	16.0	0.0	0.0	0.0	0.0	8.0	10.0	39.0	47.0
2	0.0	0.0	20.0	71.0	70.0	0.0	0.0	0.0	78.0	0.0	12.0	0.0
3	0.0	0.0	0.0	0.0	45.0	0.0	0.0	0.0	5.0	0.0	20.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.0	0.0	47.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	90.0	0.0	0.0
6	40.0	0.0	0.0	37.0	0.0	0.0	35.0	0.0	9.0	0.0	0.0	36.0
7	0.0	0.0	0.0	0.0	0.0	7.0	20.0	0.0	7.0	10.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	12.0	34.0	0.0	0.0	0.0	0.0	0.0
9	0.0	90.0	0.0	0.0	0.0	27.0	0.0	0.0	0.0	15.0	70.0	0.0
10	0.0	8.0	0.0	15.0	0.0	0.0	0.0	46.0	0.0	0.0	8.0	0.0
11	0.0	0.0	0.0	7.0	45.0	0.0	0.0	0.0	20.0	19.0	7.0	0.0
12	0.0	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	35.0	0.0	30.0	0.0	23.0	20.0	59.0	30.0	0.0	0.0	36.0
14	0.0	0.0	0.0	0.0	0.0	20.0	24.0	0.0	21.0	0.0	0.0	24.0
15	19.0	0.0	0.0	11.0	0.0	11.0	9.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	20.0	25.0	0.0	14.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	23.0	0.0	0.0	0.0	35.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	27.0	0.0
19	0.0	0.0	0.0	25.0	0.0	0.0	8.0	30.0	0.0	0.0	30.0	10.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	27.0	23.0
21	0.0	0.0	0.0	15.0	0.0	9.0	10.0	0.0	30.0	19.0	20.0	0.0
22	0.0	0.0	15.0	0.0	0.0	0.0	19.0	0.0	95.0	30.0	0.0	0.0
23	0.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	14.0	49.0
24	0.0	0.0	0.0	20.0	0.0	0.0	0.0	28.0	0.0	37.0	21.0	0.0
25	0.0	0.0	4.0	36.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
26	0.0	0.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0
27	0.0	17.0	30.0	15.0	0.0	0.0	4.0	0.0	0.0	5.0	0.0	18.0
28	0.0	0.0	30.0	18.0	0.0	0.0	10.0	0.0	0.0	13.0	0.0	0.0
29	0.0	25.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0	15.0	18.0	0.0
30	0.0	7.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0

Total 59.0 169.0 159.0 316.0 160.0 129.0 328.0 229.0 317.0 338.0 348.0 255.0 2807.0  
Días Ll. 2 5 8 13 3 8 16 7 11 13 14 9

Estación : LOS POMOS  
Año : 1998

Dpto. : CALDAS  
Mpio. : CHINCHINA

Latitud : 4 ° 58' N  
Longitud : 75 ° 35' W  
Altitud : 1500 m

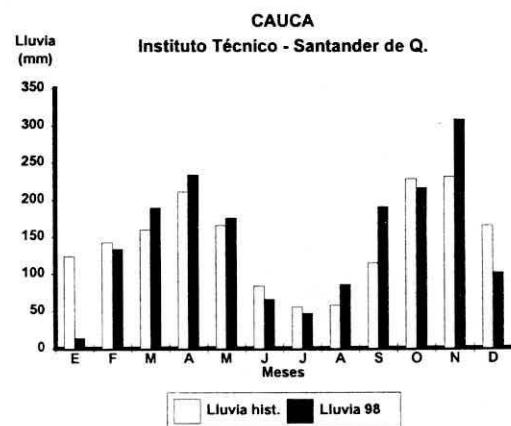
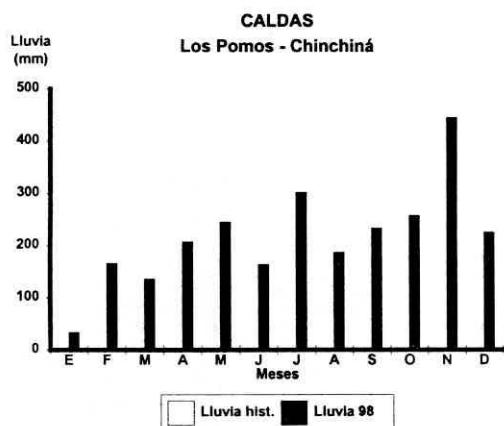
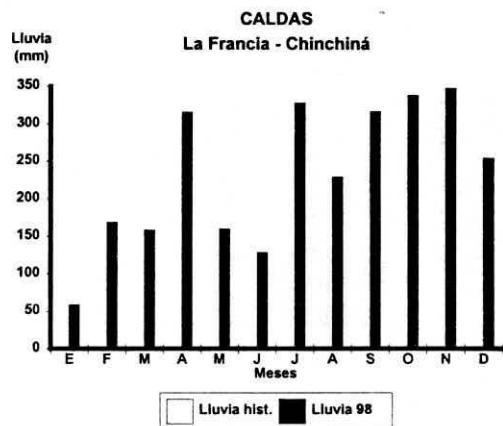
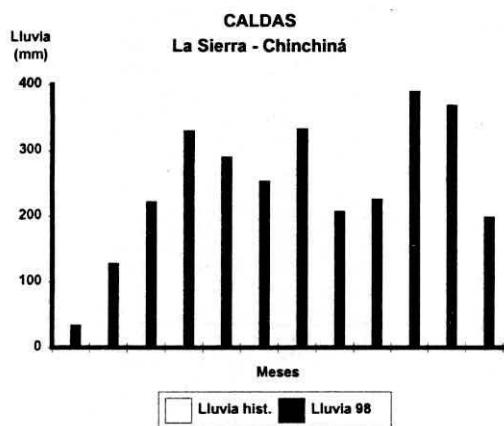
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	18.0	5.0	5.0	7.0	0.0	0.0	2.0	1.0	1.0	5.0
2	0.0	0.0	9.0	13.0	8.0	4.0	0.0	0.0	6.0	2.0	5.0	25.0
3	0.0	0.0	0.0	3.0	44.0	1.0	3.0	2.0	9.0	28.0	0.0	0.0
4	0.0	1.0	0.0	1.0	5.0	34.0	39.0	1.0	0.0	4.0	40.0	0.0
5	0.0	0.0	0.0	0.0	1.0	2.0	29.0	19.0	0.0	36.0	2.0	33.0
6	12.0	7.0	0.0	6.0	7.0	25.0	63.0	3.0	0.0	7.0	3.0	2.0
7	8.0	92.0	5.0	0.0	0.0	1.0	7.0	27.0	0.0	2.0	6.0	3.0
8	0.0	9.0	0.0	1.0	0.0	10.0	5.0	1.0	25.0	1.0	0.0	4.0
9	0.0	4.0	0.0	0.0	0.0	5.0	1.0	0.0	0.0	10.0	34.0	9.0
10	0.0	0.0	11.0	6.0	12.0	0.0	0.0	6.0	0.0	0.0	0.0	2.0
11	0.0	0.0	0.0	20.0	3.0	0.0	4.0	0.0	0.0	4.0	2.0	7.0
12	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	12.0	2.0	21.0	7.0
13	0.0	11.0	7.0	29.0	0.0	0.0	12.0	34.0	3.0	0.0	50.0	1.0
14	0.0	4.0	0.0	0.0	2.0	38.0	0.0	19.0	37.0	3.0	4.0	2.0
15	0.0	0.0	0.0	10.0	0.0	10.0	4.0	0.0	3.0	10.0	10.0	0.0
16	7.0	0.0	0.0	0.0	0.0	5.0	38.0	1.0	0.0	0.0	2.0	0.0
17	0.0	0.0	0.0	2.0	10.0	0.0	22.0	0.0	8.0	2.0	0.0	1.0
18	0.0	0.0	0.0	26.0	1.0	0.0	34.0	14.0	0.0	0.0	0.0	2.0
19	0.0	20.0	0.0	10.0	0.0	1.0	0.0	0.0	2.0	6.0	46.0	0.0
20	0.0	0.0	0.0	1.0	7.0	6.0	0.0	3.0	8.0	10.0	6.0	0.0
21	0.0	1.0	0.0	26.0	0.0	2.0	0.0	0.0	5.0	11.0	17.0	3.0
22	0.0	0.0	9.0	4.0	7.0	3.0	1.0	0.0	29.0	14.0	1.0	0.0
23	0.0	17.0	1.0	6.0	0.0	4.0	0.0	0.0	3.0	40.0	2.0	33.0
24	0.0	0.0	0.0	18.0	3.0	0.0	1.0	18.0	0.0	45.0	21.0	3.0
25	0.0	0.0	0.0	3.0	23.0	0.0	0.0	10.0	68.0	4.0	3.0	19.0
26	0.0	0.0	9.0	1.0	40.0	0.0	0.0	3.0	12.0	0.0	29.0	40.0
27	2.0	0.0	45.0	3.0	38.0	1.0	9.0	0.0	0.0	1.0	58.0	10.0
28	0.0	0.0	5.0	14.0	19.0	5.0	6.0	0.0	0.0	4.0	47.0	3.0
29	0.0	8.0	0.0	4.0	0.0	7.0	12.0	0.0	6.0	6.0	10.0	0.0
30	5.0	6.0	0.0	1.0	0.0	1.0	6.0	2.0	1.0	26.0	2.0	0.0
31	0.0	3.0	0.0	6.0	0.0	8.0	0.0	5.0	0.0	10.0	Anual	2608.0
Total	34.0	166.0	136.0	208.0	246.0	164.0	302.0	187.0	234.0	259.0	446.0	226.0
Días Ll.	5	10	13	22	21	19	20	18	17	26	25	23

Estación : INSTITUTO TECNICO  
Año : 1998

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	0.0	15.0	0.0	10.0	4.0	0.0	0.0	0.0	0.0	1.0	0.0
2	0.0	0.0	0.0	3.0	39.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0
3	0.0	0.0	0.0	5.0	40.0	1.0	14.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	24.0	0.0	0.0	0.0	7.0	8.0	0.0
5	0.0	2.0	0.0	2.0	19.0	13.0	0.0	4.0	0.0	48.0	18.0	0.0
6	0.0	30.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	4.0	0.0
7	0.0	19.0	1.0	0.0	7.0	0.0	0.0	5.0	3.0	0.0	3.0	0.0
8	0.0	2.0	0.0	0.0	4.0	10.0	20.0	0.0	2.0	0.0	5.0	0.0
9	0.0	32.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	8.0
10	0.0	2.0	0.0	0.0	0.0	0.0	0.0	42.0	18.0	0.0	11.0	14.0
11	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	39.0	0.0	24.0	0.0
12	0.0	0.0	0.0	13.0	0.0	0.0	0.0	0.0	7.0	17.0	0.0	12.0
13	0.0	20.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	0.0
14	9.0	0.0	2.0	0.0	0.0	5.0	0.0	17.0	4.0	0.0	13.0	1.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0
17	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	5.0	0.0	0.0	37.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
19	0.0	0.0	2.0	50.0	0.0	0.0	10.0	0.0	0.0	22.0	4.0	5.0
20	0.0	0.0	6.0	10.0	0.0	0.0	0.0	2.0	0.0	0.0	6.0	3.0
21	0.0	12.0	0.0	1.0	0.0	9.0	3.0	0.0	0.0	21.0	82.0	0.0
22	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	71.0	31.0	0.0	0.0
23	0.0	0.0	17.0	7.0	0.0	0.0	0.0	0.0	0.0	26.0	0.0	5.0
24	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	46.0	0.0
25	0.0	0.0	0.0	0.0	10.0	0.0	0.0	5.0	18.0	15.0	0.0	17.0
26	0.0	0.0	51.0	0.0	6.0	0.0	0.0	0.0	5.0	12.0	14.0	11.0
27	0.0	0.0	6.0	0.0	9.0	0.0	0.0	0.0	8.0	3.0	0.0	7.0
28	0.0	15.0	5.0	57.0	19.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0
29	0.0	10.0	2.0	5.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	19.0
30	0.0	30.0	20.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	5.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
Total	14.0	134.0	190.0	234.0	176.0	66.0	47.0	86.0	191.0	216.0	309.0	102.0
Días Ll.	2	9	13	15	13	7	4	10	12	11	18	11



Estación : MADRIGAL  
Año : 1998

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	0.0	9.0	5.0	9.0	8.0	0.0	0.0	0.0	0.0	31.0	15.0
2	0.0	0.0	0.0	12.0	10.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0
3	0.0	0.0	0.0	7.0	30.0	15.0	60.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	9.0	0.0	9.0	19.0	0.0	0.0	0.0	30.0	0.0
5	0.0	50.0	13.0	4.0	8.0	0.0	0.0	17.0	0.0	0.0	52.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	6.0	0.0	10.0
7	0.0	23.0	24.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0
8	0.0	37.0	0.0	3.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	4.0
9	0.0	31.0	43.0	6.0	9.0	0.0	0.0	0.0	7.0	0.0	14.0	0.0
10	0.0	0.0	6.0	15.0	0.0	10.0	0.0	0.0	0.0	0.0	1.0	0.0
11	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	0.0
12	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	37.0	20.0
13	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	5.0	0.0	27.0	0.0
14	0.0	0.0	8.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	4.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0
16	25.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	69.0	0.0	0.0
18	39.0	0.0	0.0	39.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
19	0.0	0.0	0.0	40.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0
20	0.0	14.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	30.0	0.0
21	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	25.0	0.0	50.0	0.0
22	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	20.0	6.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	21.0	0.0	0.0	33.0	0.0	0.0
24	0.0	0.0	5.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	40.0	9.0
25	0.0	0.0	2.0	0.0	0.0	0.0	0.0	14.0	0.0	20.0	8.0	6.0
26	0.0	0.0	11.0	6.0	54.0	0.0	0.0	0.0	20.0	7.0	0.0	0.0
27	0.0	0.0	25.0	0.0	23.0	25.0	0.0	0.0	0.0	0.0	2.0	0.0
28	0.0	0.0	2.0	3.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
29	6.0	0.0	9.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0
30	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	8.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0
Total	70.0	155.0	163.0	193.0	192.0	86.0	115.0	51.0	88.0	159.0	429.0	85.0
Días Ll.	3	5	12	17	12	7	4	4	7	8	18	10

Anual

Estación : PORTACHUELO  
Año : 1998

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	0.0	0.0	0.0	17.0	9.0	7.5	20.0	0.0	0.0	0.0	30.0	12.0
2	0.0	0.0	0.0	21.0	3.5	0.0	6.0	0.0	0.0	0.0	9.0	0.0
3	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	22.0
4	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	58.5	11.5	15.0
5	0.0	3.0	0.0	9.0	35.0	0.0	0.0	0.0	0.0	21.0	16.5	66.0
6	0.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	4.0	12.5	10.5	32.0
7	0.0	13.0	0.0	6.5	0.0	0.0	0.0	0.0	3.0	6.0	39.0	0.0
8	0.0	42.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0	0.0
9	4.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	32.0	0.0
10	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0
11	0.0	0.0	0.0	14.5	0.0	0.0	3.0	0.0	0.0	25.0	30.5	6.0
12	13.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	4.5	0.0	7.5
13	0.0	0.0	0.0	13.5	0.0	0.0	0.0	0.0	0.0	10.0	8.0	19.0
14	0.0	0.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	30.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	14.0
16	0.0	7.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.5
17	0.0	10.0	0.0	13.0	0.0	0.0	0.0	0.0	25.0	0.0	12.5	6.0
18	0.0	33.0	0.0	16.0	0.0	0.0	0.0	17.5	3.0	0.0	0.0	7.0
19	0.0	6.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	25.0	10.0
20	0.0	3.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5	9.5
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	9.0	5.0	83.0	3.5
23	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	9.5	17.0	0.0
24	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	7.0	14.0	13.0
25	0.0	0.0	5.5	45.0	0.0	0.0	0.0	0.0	9.5	9.0	23.5	4.0
26	0.0	0.0	13.0	6.0	5.0	0.0	0.0	0.0	0.0	23.5	15.0	21.0
27	0.0	0.0	49.0	0.0	58.0	0.0	0.0	0.0	0.0	16.5	99.0	2.5
28	0.0	0.0	30.5	2.0	65.0	0.0	0.0	0.0	7.5	3.0	5.5	0.0
29	0.0	7.0	0.0	21.0	0.0	0.0	0.0	0.0	0.0	10.0	27.0	4.5
30	0.0	8.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	28.0	17.0	6.0
31	0.0	9.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	7.5	10.0	0.0
Total	19.5	123.5	155.0	212.5	215.5	12.5	45.5	28.0	61.0	264.5	679.5	306.0
Días Ll.	3	9	8	17	9	2	5	3	7	19	27	22

Anual

2123.0

Estación : CANAIMA  
Año : 1998

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	66.5	0.0	0.0	0.0	15.8	32.8	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	29.0	10.3	6.3	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	15.2	0.0	0.0	0.0	0.0	8.6	0.0	0.0
4	0.0	0.0	0.0	0.0	11.9	0.0	54.5	20.3	0.0	0.0	15.4	0.0
5	0.0	0.0	12.5	30.0	14.5	0.0	0.0	25.2	0.0	0.0	15.3	0.0
6	0.0	0.0	39.2	0.0	0.0	0.0	0.0	0.0	10.5	0.0	14.2	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78.5	0.0	0.0	18.4	0.0
8	0.0	77.2	16.5	0.0	13.0	0.0	0.0	0.0	0.0	0.0	30.6	0.0
9	0.0	0.0	0.0	35.4	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	5.2	0.0	0.0	0.0	37.0	28.7	10.3	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	35.3	0.0	15.8	26.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	2.8	13.0	0.0	16.6	0.0	0.0	0.0	14.6	2.5	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	10.5	18.6	0.0	8.5	15.2	0.0	11.5	51.5	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	32.5	0.0	0.0	0.0	0.0	20.6	0.0	0.0	0.0
18	0.0	0.0	28.0	0.0	0.0	0.0	15.4	0.0	0.0	30.4	0.0	0.0
19	12.8	0.0	0.0	5.5	0.0	0.0	0.0	0.0	12.2	88.2	0.0	0.0
20	10.2	0.0	0.0	0.0	0.0	0.0	0.0	23.6	10.8	0.0	0.0	0.0
21	0.0	0.0	6.2	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0
22	0.0	10.0	7.6	10.0	0.0	20.2	0.0	20.8	20.5	10.8	0.0	0.0
23	20.2	0.0	0.0	14.2	0.0	18.8	0.0	10.6	20.4	15.5	0.0	0.0
24	0.0	0.0	56.0	15.2	0.0	36.4	0.0	15.3	0.0	50.0	0.0	0.0
25	0.0	0.0	0.0	6.8	0.0	0.0	0.0	20.8	0.0	30.0	0.0	0.0
26	0.0	0.0	18.6	55.4	0.0	0.0	0.0	10.4	20.2	0.0	0.0	0.0
27	24.6	0.0	0.0	28.3	56.8	0.0	0.0	62.2	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	6.5	55.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	13.9	19.5	0.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0
30	10.2	0.0	0.0	20.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	12.8	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0

Anual

Total 182.6 100.2 216.1 365.0 246.2 132.0 122.1 363.0 148.1 387.3  
Días Ll. 8 3 11 17 11 7 4 15 11 13

Estación : LA ESPERANZA  
Año : 1998

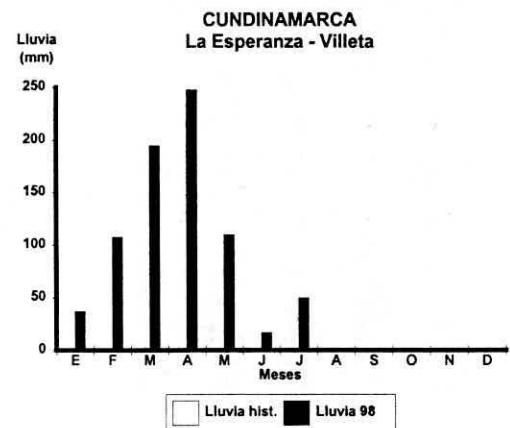
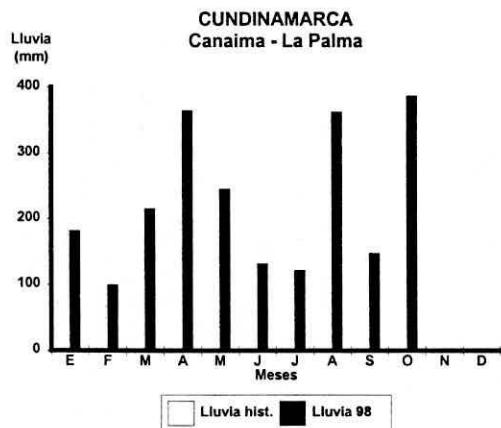
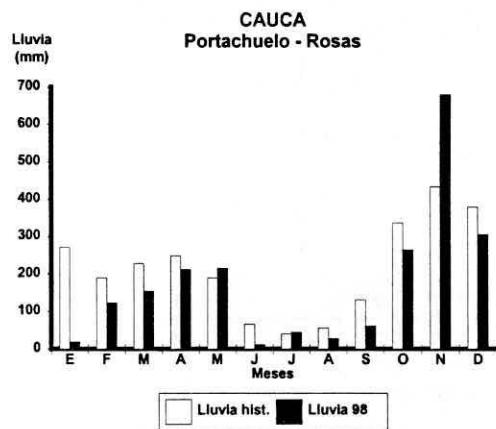
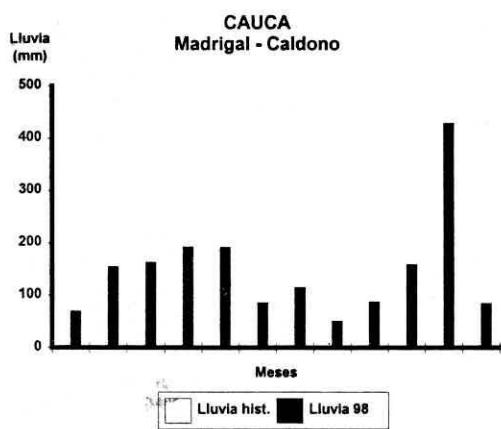
Dpto. : CUNDINAMARCA  
Mpio. : VILLETA

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	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	27.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	22.0	0.0	4.0	0.0	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	0.0	0.0	0.0
5	0.0	0.0	25.0	10.0	22.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	2.0	47.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
9	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0
10	0.0	0.0	34.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	40.0	8.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
12	0.0	12.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0
16	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	8.0	0.0	0.0	12.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	8.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	4.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	14.0	16.0	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	0.0
24	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	10.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	30.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
29	0.0	8.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	30.0	73.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Anual

Total 37.0 108.0 195.0 248.0 110.0 17.0 50.0  
Días Ll. 4 5 10 14 8 3 6



Estación : ICALI  
Año : 1998

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	0.0	0.0	2.0	0.0	37.0	3.0	0.0					
2	0.0	0.0	0.0	39.0	13.0	9.0	0.0					
3	0.0	1.0	0.0	11.0	12.0	2.0	4.0					
4	0.0	0.0	0.0	3.0	7.0	0.0		3.0				
5	0.0	0.0	8.0	0.0	20.0	0.0	0.0	0.0				
6	7.0	2.0	5.0	13.0	0.0	0.0	0.0	0.0				
7	0.0	21.0	1.0	29.0	0.0	5.0	0.0					
8	0.0	26.0	0.0	5.0	30.0	10.0	45.0					
9	0.0	11.0	3.0	0.0	0.0	0.0	5.0					
10	0.0	1.0	1.0	3.0	5.0	0.0	10.0					
11	0.0	0.0	7.0	29.0	4.0	0.0	2.0					
12	4.0	0.0	15.0	42.0	0.0	0.0	0.0					
13	30.0	2.0	0.0	4.0	0.0	0.0	1.0					
14	20.0	15.0	6.0	0.0	4.0	5.0	3.0					
15	0.0	4.0	2.0	0.0	0.0	3.0	2.0					
16	35.0	0.0	42.0	14.0	0.0	0.0	2.0					
17	14.0	0.0	0.0	7.0	0.0	0.0	0.0					
18	29.0	0.0	0.0	19.0	0.0	0.0	3.0					
19	2.0	32.0	1.0	6.0	0.0	0.0	4.0					
20	3.0	21.0	5.0	8.0	0.0	0.0	0.0					
21	0.0	42.0	20.0	30.0	0.0	2.0	0.0					
22	1.0	0.0	6.0	1.0	0.0	1.0	0.0					
23	0.0	11.0	3.0	0.0	0.0	0.0	1.0					
24	0.0	57.0	0.0	1.0	3.0	0.0	2.0					
25	0.0	0.0	3.0	3.0	2.0	0.0	1.0					
26	0.0	0.0	5.0	8.0	14.0	4.0	0.0					
27	6.0	2.0	10.0	0.0	12.0	20.0	0.0					
28	0.0	0.0	15.0	4.0	52.0	0.0	0.0					
29	0.0	0.0	17.0	15.0	6.0	0.0	11.0					
30	4.0	0.0	30.0	1.0	0.0	0.0	3.0					
31	1.0	0.0	29.0	0.0	10.0	0.0						
Total	156.0	248.0	236.0	295.0	231.0	64.0	102.0					Anual
Días Ll.	13	15	23	23	16	11	17					

Estación : SAN JUAN  
Año : 1998

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	0.0	25.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	66.5	0.0	0.0	0.0	0.0	0.0	4.1	0.0
3	0.0	11.5	0.0	0.0	0.0	0.0	14.2	0.0	0.0	14.5	4.3	5.1
4	0.0	0.0	0.0	0.0	16.9	0.0	0.0	0.0	0.0	10.2	6.2	0.0
5	0.0	14.5	0.0	0.0	3.4	0.0	79.5	1.7	0.0	0.0	0.0	0.0
6	0.0	8.5	0.0	19.3	6.2	0.0	0.0	1.2	0.0	8.9	44.4	0.0
7	0.0	0.0	12.3	0.0	0.0	0.0	0.0	0.0	15.8	0.0	0.0	0.0
8	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	13.3	0.0	0.0	7.9
9	4.9	11.1	2.5	0.0	1.8	0.0	6.3	0.0	0.0	0.0	43.2	0.0
10	0.0	18.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.5
11	4.3	0.0	0.0	22.6	0.0	0.0	0.0	0.0	2.3	0.0	0.0	13.5
12	0.0	0.0	0.0	0.0	31.1	13.6	0.0	0.0	33.5	0.0	16.3	14.9
13	31.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.1	0.0	18.8	0.0
14	0.0	8.9	0.0	0.0	0.0	0.0	0.0	16.4	12.6	13.2	0.0	0.0
15	51.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	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	0.0	0.0
17	0.0	0.0	0.0	0.0	5.9	0.0	0.0	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	0.0	12.9	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.4	0.0	0.0
20	0.0	0.0	0.0	20.2	0.0	0.0	0.0	16.9	0.0	0.0	0.0	6.2
21	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	15.5	0.0
22	0.0	15.4	0.0	0.0	0.0	0.0	0.0	0.0	61.6	18.8	38.1	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	2.1
24	0.0	8.8	19.3	2.2	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	3.6	2.9	0.0	0.0	2.4	0.0
26	0.0	0.0	0.0	1.1	0.0	0.0	2.3	0.0	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	0.0	25.9	0.0	23.5
28	0.0	0.0	0.0	3.5	43.1	0.0	1.9	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	49.3	0.0	0.0	0.0	0.0	0.0	12.5	11.5	0.0	4.3
30	5.1	0.0	55.9	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	5.5
31	3.9	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	101.9	97.0	139.3	72.8	210.0	15.4	101.9	42.1	169.6	145.2	193.3	104.5
Días Ll.	6	8	5	7	12	2	4	6	9	10	10	10

Anual  
1393.0

Estación : PINAR DEL RIO  
Año : 1998

Dpto. : CUNDINAMARCA  
Mpio. : SILVANIA

Latitud : 4 ° 27' N  
Longitud : 74 ° 23' W  
Altitud : 1750 m

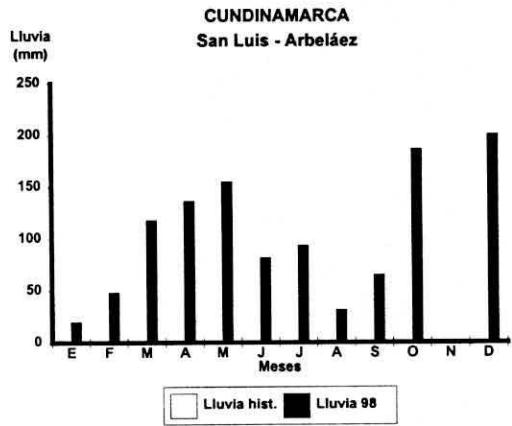
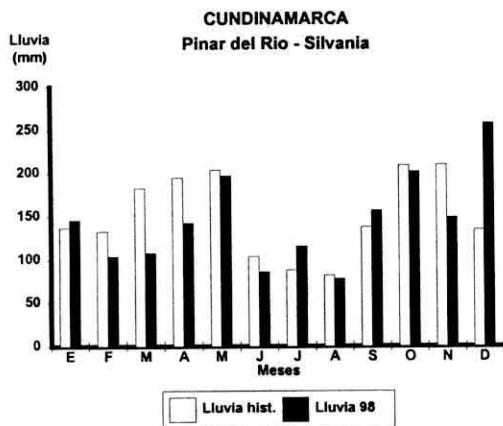
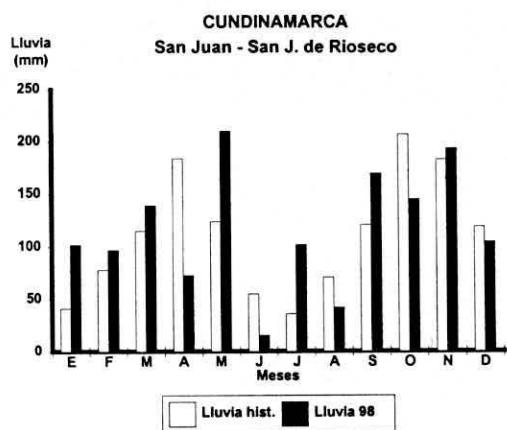
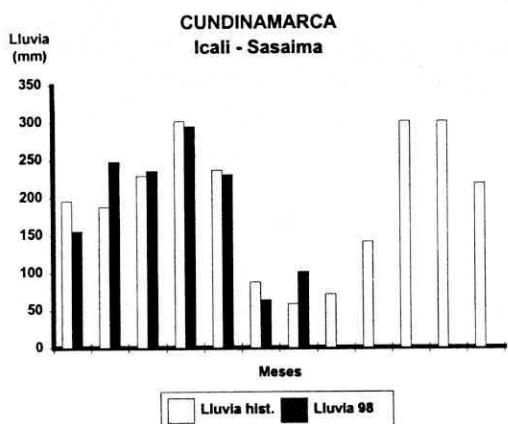
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	39.0	0.0	7.0	0.0	0.0	10.0	0.0	1.0	0.0	2.0	0.0	0.0
2	0.0	0.0	0.0	1.0	0.0	19.0	4.0	0.0	0.0	0.0	0.0	12.0
3	0.0	0.0	0.0	20.0	19.0	2.0	10.0	0.0	0.0	0.0	0.0	20.0
4	0.0	2.0	0.0	0.0	3.0	0.0	12.0	1.0	0.0	0.0	0.0	1.0
5	0.0	1.0	0.0	0.0	20.0	0.0	10.0	1.0	0.0	3.0	25.0	0.0
6	0.0	0.0	0.0	13.0	5.0	0.0	7.0	0.0	0.0	10.0	1.0	27.0
7	0.0	6.0	2.0	1.0	0.0	0.0	0.0	1.0	0.0	12.0	1.0	12.0
8	1.0	40.0	0.0	0.0	0.0	5.0	4.0	0.0	6.0	7.0	10.0	13.0
9	0.0	19.0	0.0	0.0	10.0	0.0	5.0	0.0	1.0	0.0	27.0	5.0
10	11.0	7.0	0.0	0.0	46.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
11	0.0	0.0	4.0	0.0	2.0	1.0	2.0	0.0	0.0	0.0	0.0	4.0
12	20.0	4.0	1.0	0.0	1.0	0.0	0.0	2.0	42.0	0.0	12.0	20.0
13	0.0	0.0	0.0	42.0	1.0	0.0	0.0	0.0	10.0	23.0	0.0	7.0
14	7.0	1.0	0.0	0.0	0.0	11.0	0.0	0.0	9.0	0.0	0.0	0.0
15	0.0	2.0	1.0	1.0	0.0	11.0	1.0	10.0	0.0	5.0	4.0	0.0
16	8.0	0.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
17	0.0	0.0	0.0	0.0	15.0	0.0	6.0	2.0	0.0	2.0	0.0	46.0
18	8.0	0.0	0.0	0.0	3.0	0.0	6.0	0.0	5.0	0.0	0.0	0.0
19	0.0	0.0	0.0	9.0	0.0	5.0	2.0	0.0	0.0	25.0	0.0	8.0
20	3.0	12.0	0.0	0.0	0.0	1.0	0.0	0.0	6.0	10.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	10.0	0.0	1.0	9.0	10.0	23.0	1.0
22	0.0	10.0	7.0	11.0	0.0	2.0	3.0	0.0	58.0	0.0	8.0	5.0
23	0.0	0.0	4.0	0.0	10.0	0.0	1.0	2.0	10.0	50.0	8.0	32.0
24	0.0	0.0	12.0	1.0	0.0	0.0	10.0	0.0	0.0	20.0	5.0	0.0
25	0.0	0.0	1.0	0.0	11.0	0.0	9.0	29.0	0.0	5.0	11.0	0.0
26	0.0	0.0	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
27	0.0	0.0	2.0	6.0	22.0	2.0	2.0	0.0	1.0	0.0	0.0	25.0
28	3.0	0.0	15.0	0.0	25.0	7.0	10.0	0.0	0.0	9.0	5.0	9.0
29	0.0	0.0	11.0	1.0	2.0	0.0	1.0	0.0	0.0	2.0	0.0	1.0
30	46.0	0.0	9.0	35.0	0.0	0.0	11.0	27.0	0.0	1.0	7.0	10.0
31	0.0	0.0	5.0	0.0	2.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
Total	146.0	104.0	108.0	143.0	197.0	86.0	116.0	78.0	157.0	202.0	149.0	258.0
Días Ll.	10	11	16	13	17	13	20	12	11	19	15	19

Estación : SAN LUIS  
Año : 1998

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	0.0	0.0	2.5	7.3	4.8	4.7	2.2	0.0	0.0	4.3	0.0	17.8
2	0.0	0.0	0.0	43.0	5.6	2.9	0.0	1.2	0.0	0.0	0.0	11.2
3	0.0	0.0	0.0	23.8	8.2	8.9	2.2	2.5	9.6	0.0	0.0	41.4
4	0.0	0.0	0.0	1.7	7.9	2.9	2.6	.5	0.0	34.9	0.0	6.4
5	0.0	0.0	0.0	1.8	5.2	0.0	10.7	0.0	0.0	5.2	0.0	.3
6	0.0	0.0	0.0	0.0	7.2	3.2	6.6	1.6	0.0	7.5	0.0	5.3
7	0.0	19.3	0.0	0.0	14.4	4.1	1.2	0.0	2.8	11.2	0.0	8.4
8	0.0	5.2	0.0	0.0	8.1	0.0	1.6	0.0	0.0	5.1	0.0	45.6
9	3.3	4.9	0.0	0.0	2.3	0.0	0.0	0.0	0.0	4.3	0.0	12.7
10	0.0	.5	0.0	0.0	2.5	0.0	0.0	6.2	0.0	0.0	0.0	3.4
11	0.0	.7	1.1	2.2	3.1	0.0	0.0	0.0	0.0	0.0	0.0	5.5
12	4.9	1.1	34.7	0.0	8.7	3.9	0.0	0.0	8.9	0.0	0.0	.5
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0
14	0.0	1.9	0.0	0.0	0.0	7.1	3.3	.6	4.4	4.1	0.0	3.7
15	0.0	6.5	2.1	0.0	7.7	4.3	2.1	3.7	0.0	3.1	0.0	0.0
16	0.0	0.0	.9	0.0	0.0	2.1	6.7	0.0	0.0	.5	0.0	0.0
17	0.0	0.0	0.0	0.0	4.7	5.9	4.9	0.0	0.0	1.3	0.0	0.0
18	0.0	0.0	0.0	5.8	13.1	2.3	12.4	0.0	2.6	1.8	0.0	0.0
19	0.0	0.0	2.5	15.9	0.0	6.4	12.5	0.0	2.3	3.1	0.0	0.0
20	0.0	0.0	0.0	2.2	0.0	1.9	0.0	2.1	1.7	2.7	0.0	0.0
21	0.0	0.0	0.0	1.9	0.0	7.7	.7	5.1	3.2	1.9	0.0	0.0
22	0.0	8.5	5.9	3.1	1.4	0.0	2.5	4.3	12.3	4.2	0.0	0.0
23	0.0	0.0	0.0	2.1	5.1	0.0	4.3	0.0	8.4	3.4	0.0	14.1
24	0.0	0.0	0.0	0.0	2.1	0.0	3.2	0.0	.3	24.6	0.0	0.0
25	0.0	0.0	12.0	1.2	3.2	2.1	2.2	1.5	3.1	3.4	0.0	9.4
26	0.0	0.0	.9	0.0	1.6	1.4	0.0	0.0	2.1	7.9	0.0	0.0
27	0.0	0.0	0.0	5.6	2.8	9.0	.3	0.0	0.0	12.6	0.0	6.1
28	0.0	0.0	15.1	7.3	9.1	1.2	2.2	2.1	0.0	13.2	0.0	2.3
29	0.0	0.0	18.1	4.7	20.7	0.0	2.5	0.0	0.0	18.1	0.0	2.5
30	5.6	16.5	7.2	2.2	0.0	6.7	0.0	0.0	8.1	0.0	1.7	0.0
31	6.2	0.0	6.1	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	2.2
Total	20.0	48.6	118.4	136.8	155.2	82.0	93.6	31.4	65.1	186.5	0.0	200.5
Días Ll.	4	9	13	17	25	19	22	12	14	24	0.0	20



Estación : HONDURAS  
Año : 1998

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	0.0	0.0	0.0	1.0	0.0			0.0	0.0	0.0	23.0
2	0.0	0.0	0.0	25.0	7.0	4.0			4.0	0.0	7.0	32.0
3	0.0	0.0	0.0	0.0	3.0	0.0			0.0	18.0	2.0	8.0
4	0.0	2.0	0.0	3.0	23.0	0.0			0.0	0.0	17.0	0.0
5	0.0	0.0	0.0	0.0	19.0	0.0			0.0	8.0	5.0	20.0
6	0.0	0.0	82.0	0.0	0.0	0.0			0.0	18.0	0.0	10.0
7	39.0	24.0	0.0	0.0	3.0	0.0			5.0	4.0	0.0	4.0
8	0.0	5.0	0.0	0.0	15.0	0.0			0.0	5.0	21.0	7.0
9	0.0	6.0	9.5	0.0	0.0	0.0			0.0	0.0	0.0	10.0
10	0.0	8.0	7.0	0.0	0.0	0.0			1.0	0.0	0.0	24.0
11	3.0	0.0	25.0	0.0	0.0	0.0			10.0	0.0	33.0	0.0
12	0.0	0.0	0.0	22.0	0.0	0.0			36.0	10.0	11.0	0.0
13	0.0	0.0	0.0	6.0	0.0	22.0			10.0	0.0	0.0	0.0
14	0.0	6.0	9.0	0.0	3.0	4.0			0.0	16.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0			0.0	1.0	0.0	0.0
16	0.0	0.0	0.0	0.0	4.0	0.0			0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	17.0	0.0	0.0			0.0	0.0	0.0	6.0
18	30.0	0.0	0.0	5.0	0.0	0.0			7.0	4.0	0.0	0.0
19	0.0	26.0	1.0	0.0	0.0	1.0			2.0	0.0	0.0	6.0
20	0.0	9.0	0.0	3.0	0.0	0.0			76.0	5.0	8.0	0.0
21	0.0	1.0	9.0	2.0	0.0	0.0			2.0	24.0	54.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0			0.0	1.0	0.0	20.0
23	0.0	0.0	33.0	0.0	0.0	0.0			0.0	7.0	6.0	0.0
24	0.0	0.0	0.0	0.0	3.0	0.0			5.0	6.0	0.0	0.0
25	0.0	0.0	0.0	1.0	0.0	0.0			0.0	0.0	8.0	0.0
26	0.0	0.0	0.0	0.0	44.0	0.0			2.0	40.0	10.0	43.0
27	0.0	0.0	39.0	2.0	99.0	0.0			0.0	20.0	0.0	0.0
28	0.0	7.0	0.0	47.0	0.0	0.0			0.0	19.0	7.0	7.0
29	0.0	45.0	0.0	0.0	0.0	0.0			0.0	0.0	40.0	30.0
30	0.0	17.0	4.0	5.0	0.0	0.0			0.0	0.0	5.0	0.0
31	17.0	8.0	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0

Anual

Total	108.0	94.0	284.5	137.0	229.0	31.0			160.0	206.0	234.0	250.0
Días Ll.	5	10	12	12	13	4			12	17	15	15

Estación : EL EDEN  
Año : 1998

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	9.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	10.0	12.0	10.0	0.0	0.0	10.0	0.0	10.0
3	0.0	49.0	0.0	35.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	15.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	0.0	0.0	29.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0
7	0.0	76.5	0.0	17.5	11.0	0.0	0.0	0.0	5.0	10.0	0.0	0.0
8	25.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	16.5	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	18.5
10	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	35.0	15.0	0.0	0.0
13	31.5	0.0	0.0	17.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0
14	0.0	0.0	0.0	37.0	0.0	0.0	0.0	31.5	44.0	0.0	0.0	10.0
15	0.0	0.0	0.0	0.0	0.0	0.0	15.5	3.0	0.0	10.0	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	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0
18	0.0	0.0	0.0	28.0	0.0	0.0	0.0	0.0	33.0	24.0	0.0	0.0
19	17.0	0.0	0.0	18.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	10.0
20	0.0	0.0	0.0	19.0	0.0	0.0	0.0	37.0	0.0	10.0	0.0	0.0
21	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0
22	0.0	28.0	40.0	0.0	15.0	0.0	0.0	0.0	66.0	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	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	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	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	12.0
27	33.0	0.0	37.0	4.5	40.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0
28	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0
29	0.0	44.0	0.0	0.0	0.0	0.0	0.0	8.5	7.0	0.0	0.0	0.0
30	1.5	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Anual

Total	147.0	160.5	149.0	196.0	123.5	12.0	46.5	107.0	242.5	139.0	89.5	
Días Ll.	7	4	5	10	8	1	4	7	10	10	6	

Estación : GUAYABAL  
Año : 1998

Dpto. : HUILA  
Mpio. : ALGECIRAS

Latitud : 2 ° 33' N  
Longitud : 75 ° 15' W  
Altitud : 1460 m

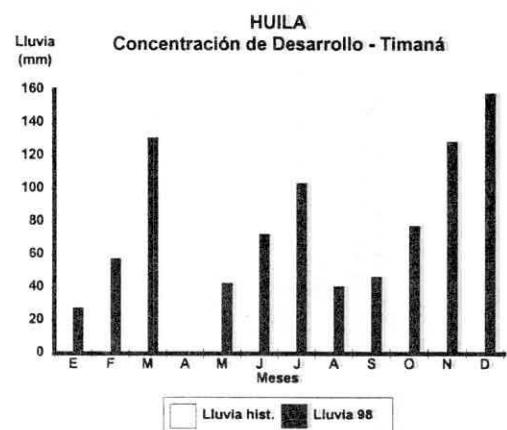
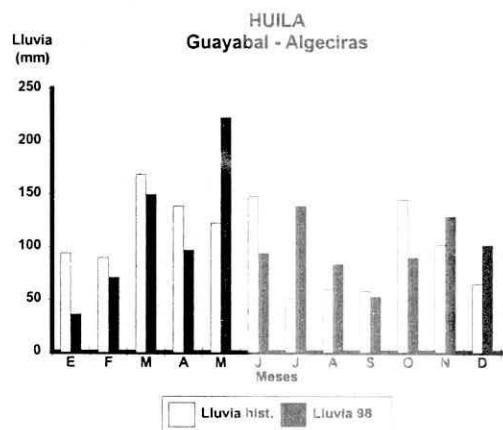
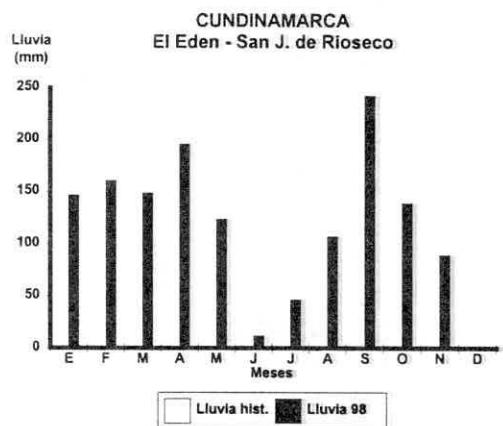
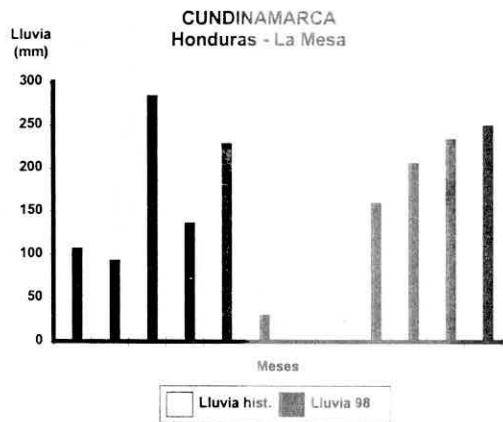
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
2	0.0	3.0	52.0	2.0	2.0	4.0	3.0	0.0	1.0	0.0	10.0	4.0
3	0.0	0.0	0.0	2.0	40.0	3.0	0.0	0.0	0.0	0.0	1.0	0.0
4	0.0	0.0	0.0	0.0	7.0	0.0	14.0	1.0	0.0	0.0	13.0	0.0
5	4.0	8.0	2.0	0.0	17.0	0.0	8.0	11.0	4.0	4.0	2.0	1.0
6	0.0	2.0	6.0	6.0	3.0	3.0	0.0	3.0	0.0	0.0	4.0	15.0
7	16.0	7.0	0.0	2.0	0.0	0.0	4.0	0.0	0.0	0.0	3.0	3.0
8	8.0	22.0	5.0	2.0	28.0	7.0	10.0	0.0	1.0	1.0	0.0	24.0
9	0.0	9.0	0.0	4.0	10.0	0.0	0.0	0.0	8.0	0.0	1.0	11.0
10	0.0	9.0	0.0	0.0	0.0	0.0	4.0	10.0	1.0	0.0	0.0	1.0
11	0.0	2.0	0.0	0.0	1.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	9.0	3.0	5.0	6.0	11.0	11.0	0.0	6.0	0.0
13	0.0	0.0	0.0	12.0	5.0	1.0	0.0	0.0	0.0	33.0	2.0	0.0
14	0.0	3.0	0.0	6.0	2.0	9.0	0.0	0.0	0.0	1.0	3.0	8.0
15	0.0	6.0	0.0	5.0	2.0	8.0	4.0	0.0	0.0	0.0	6.0	0.0
16	0.0	0.0	0.0	1.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	4.0	0.0	2.0
18	0.0	0.0	0.0	5.0	0.0	1.0	33.0	0.0	6.0	2.0	1.0	6.0
19	0.0	0.0	0.0	6.0	0.0	8.0	8.0	12.0	5.0	0.0	4.0	0.0
20	0.0	0.0	0.0	8.0	0.0	2.0	0.0	2.0	10.0	0.0	2.0	0.0
21	0.0	0.0	6.0	6.0	0.0	0.0	3.0	5.0	0.0	6.0	28.0	6.0
22	0.0	0.0	0.0	2.0	0.0	30.0	7.0	0.0	0.0	0.0	19.0	0.0
23	0.0	0.0	7.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	18.0
24	0.0	0.0	4.0	0.0	0.0	0.0	10.0	0.0	0.0	2.0	0.0	0.0
25	0.0	0.0	0.0	2.0	11.0	0.0	7.0	0.0	2.0	9.0	0.0	0.0
26	0.0	0.0	4.0	3.0	6.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0
27	0.0	0.0	6.0	0.0	1.0	11.0	0.0	0.0	0.0	4.0	9.0	0.0
28	0.0	0.0	50.0	0.0	18.0	0.0	3.0	0.0	3.0	3.0	10.0	3.0
29	0.0	0.0	2.0	0.0	11.0	0.0	7.0	21.0	1.0	12.0	0.0	0.0
30	0.0	0.0	6.0	0.0	34.0	0.0	0.0	1.0	0.0	3.0	1.0	0.0
31	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	36.0	71.0	150.0	97.0	223.0	94.0	139.0	84.0	53.0	90.0	129.0	102.0
Días Ll.	4	10	12	19	19	14	19	11	12	15	20	13

Estación : CONCENTRACION DESARR  
Año : 1998

Dpto. : HUILA  
Mpio. : TIMANA

Latitud : 1 ° 58' N  
Longitud : 75 ° 56' W  
Altitud : 1080 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	35.0	0.0	0.0	0.0	12.0	1.0	1.0	0.0	0.0	14.0	2.0
2	0.0	15.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	8.0	29.0	10.0	8.0	0.0	0.0	5.0	0.0
4	0.0	0.0	2.5	0.0	0.0	0.0	14.0	0.0	0.0	0.0	16.0	0.0
5	0.0	0.0	19.0	0.0	4.0	0.0	0.0	6.0	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	0.0	4.0
7	0.0	0.0	12.0	0.0	0.0	0.0	8.0	5.0	0.0	5.0	12.0	0.0
8	0.0	0.0	0.0	0.0	5.0	0.0	0.0	10.0	0.0	0.0	0.0	45.0
9	24.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	6.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5
11	0.0	8.0	0.0	0.0	0.0	3.0	14.0	0.0	0.0	2.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	8.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	2.0	0.0
16	2.0	0.0	0.0	4.0	0.0	7.0	0.0	0.0	0.0	13.0	10.0	0.0
17	2.0	0.0	0.0	0.0	0.0	13.0	0.0	5.0	0.0	0.0	8.0	0.0
18	0.0	0.0	17.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0
19	0.0	0.0	4.0	6.0	0.0	12.0	0.0	10.0	8.0	8.0	8.0	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
21	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	10.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	12.0	0.0	12.0
23	0.0	0.0	17.0	0.0	6.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
24	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	10.0	15.0
25	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	10.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	18.0	6.0	0.0
27	0.0	0.0	35.0	0.0	0.0	2.0	0.0	0.0	0.0	6.0	0.0	14.0
28	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	24.0
29	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	6.0	0.0	6.0	0.0
30	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0
Total	28.0	58.0	131.5	—	43.0	73.0	104.0	41.0	47.0	78.0	129.0	158.5
Días Ll.	3	3	9	—	7	6	12	7	7	9	14	11



Estación : LA VICTORIA  
Año : 1998

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	0.0	0.0	0.0	6.0	0.0	0.0	28.0	20.0	11.0	3.0
2	7.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	25.0	0.0	4.0	19.0
3	0.0	0.0	0.0	30.0	13.0	21.0	0.0	0.0	9.0	20.0	32.0	3.0
4	0.0	0.0	0.0	6.0	0.0	10.0	7.0	5.0	5.0	15.0	0.0	0.0
5	1.0	0.0	8.0	0.0	5.0	11.0	36.0	3.0	21.0	0.0	40.0	
6	14.0	0.0	4.0	9.0	5.0	0.0	54.0	25.0	0.0	68.0	40.0	
7	3.0	33.0	0.0	0.0	19.0	0.0	0.0	17.0	0.0	8.0	8.0	
8	0.0	2.0	2.0	0.0	0.0	13.0	0.0	0.0	15.0	6.0	0.0	4.0
9	0.0	0.0	3.0	0.0	0.0	5.0	0.0	0.0	24.0	0.0	0.0	3.0
10	0.0	0.0	15.0	0.0	0.0	6.0	10.0	19.0	19.0	36.0	0.0	20.0
11	0.0	0.0	10.0	0.0	0.0	13.0	0.0	0.0	28.0	0.0	0.0	17.0
12	0.0	0.0	22.0	2.0	3.0	5.0	6.0	6.0	66.0	3.0	0.0	0.0
13	0.0	0.0	37.0	10.0	30.0	7.0	0.0	8.0	11.0	0.0	0.0	
14	0.0	0.0	5.0	0.0	42.0	0.0	0.0	97.0	42.0	0.0	0.0	2.0
15	0.0	0.0	0.0	25.0	34.0	15.0	0.0	0.0	9.0	5.0	14.0	74.0
16	0.0	0.0	0.0	0.0	3.0	10.0	50.0	3.0	3.0	5.0	3.0	0.0
17	0.0	0.0	2.0	22.0	2.0	9.0	13.0	0.0	0.0	0.0	15.0	0.0
18	0.0	0.0	0.0	0.0	20.0	5.0	35.0	0.0	0.0	0.0	23.0	0.0
19	0.0	0.0	29.0	0.0	4.0	2.0	12.0	0.0	45.0	0.0	0.0	
20	0.0	0.0	3.0	13.0	18.0	2.0	5.0	0.0	0.0	16.0	0.0	0.0
21	0.0	0.0	0.0	0.0	59.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0
22	0.0	0.0	5.0	3.0	5.0	18.0	10.0	25.0	7.0	0.0	0.0	
23	0.0	32.0	15.0	50.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	
24	0.0	3.0	4.0	7.0	0.0	18.0	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	4.0	4.0	5.0	0.0	
26	0.0	0.0	0.0	39.0	0.0	2.0	0.0	4.0	12.0	2.0	0.0	
27	0.0	0.0	0.0	32.0	77.0	0.0	0.0	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	46.0	11.0	2.0	0.0	0.0	13.0	0.0	0.0	
29	0.0	0.0	13.0	16.0	0.0	5.0	2.0	10.0	0.0	0.0	0.0	
30	0.0	5.0	2.0	0.0	10.0	10.0	28.0	7.0	0.0	5.0		
31	0.0	0.0	30.0	14.0	68.0	0.0	0.0	0.0	0.0	0.0	0.0	

Anual

Total	25.0	70.0	169.0	394.0	372.0	202.0	325.0	444.0	299.0	180.0	238.0
Días Ll.	4	4	16	19	19	22	15	21	19	10	13

Estación : MARINGA  
Año : 1998

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	6.0	0.0	6.0	2.0	9.0	0.0	46.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	2.0	17.0	0.0	0.0	0.0	3.0	1.0
3	0.0	6.0	1.0	4.0	46.0	11.0	0.0	5.0	6.0	0.0	13.0	0.0
4	0.0	0.0	1.0	0.0	0.0	3.0	19.0	10.0	6.0	19.0	0.0	0.0
5	0.0	2.0	0.0	7.0	38.0	0.0	21.0	10.0	0.0	13.0	44.0	2.0
6	0.0	0.0	0.0	0.0	8.0	0.0	12.0	20.0	0.0	0.0	11.0	1.0
7	0.0	22.0	20.0	0.0	6.0	7.0	0.0	2.0	2.0	24.0	0.0	39.0
8	0.0	0.0	0.0	24.0	28.0	22.0	6.0	0.0	0.0	97.0	1.0	1.0
9	0.0	0.0	0.0	0.0	0.0	0.0	37.0	3.0	1.0	0.0	12.0	0.0
10	0.0	3.0	0.0	0.0	0.0	3.0	25.0	10.0	0.0	5.0	0.0	0.0
11	0.0	4.0	0.0	0.0	18.0	35.0	2.0	1.0	0.0	0.0	0.0	21.0
12	0.0	0.0	0.0	6.0	0.0	0.0	0.0	1.0	12.0	0.0	0.0	0.0
13	0.0	5.0	0.0	0.0	1.0	0.0	0.0	7.0	11.0	0.0	1.0	0.0
14	0.0	18.0	0.0	0.0	0.0	11.0	4.0	0.0	9.0	3.0	0.0	4.0
15	0.0	18.0	0.0	0.0	0.0	0.0	5.0	39.0	13.0	8.0	57.0	0.0
16	0.0	0.0	0.0	0.0	12.0	0.0	6.0	0.0	0.0	0.0	10.0	0.0
17	0.0	0.0	0.0	17.0	82.0	0.0	40.0	0.0	0.0	10.0	0.0	0.0
18	0.0	0.0	15.0	12.0	0.0	13.0	18.0	0.0	17.0	50.0	0.0	0.0
19	0.0	0.0	0.0	30.0	0.0	9.0	3.0	1.0	7.0	0.0	1.0	0.0
20	0.0	0.0	7.0	8.0	0.0	0.0	0.0	13.0	20.0	0.0	3.0	0.0
21	0.0	0.0	0.0	0.0	0.0	6.0	0.0	3.0	0.0	0.0	0.0	0.0
22	0.0	0.0	49.0	22.0	0.0	5.0	11.0	0.0	4.0	0.0	6.0	0.0
23	0.0	0.0	4.0	0.0	5.0	21.0	53.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	3.0	3.0	47.0	0.0	8.0	26.0	0.0	25.0	0.0	0.0
25	0.0	0.0	14.0	46.0	6.0	6.0	26.0	6.0	0.0	1.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	2.0	17.0	0.0	5.0	0.0	0.0	0.0
27	0.0	0.0	0.0	11.0	0.0	7.0	1.0	0.0	0.0	34.0	0.0	0.0
28	0.0	0.0	0.0	14.0	58.0	9.0	2.0	4.0	0.0	0.0	30.0	0.0
29	0.0	39.0	5.0	18.0	0.0	37.0	0.0	0.0	0.0	38.0	0.0	0.0
30	0.0	1.0	62.0	7.0	83.0	14.0	6.0	8.0	2.0	0.0	0.0	
31	0.0	28.0	0.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	

Anual  
2532.0

Total	0.0	76.0	182.0	277.0	407.0	261.0	386.0	176.0	121.0	375.0	192.0	79.0
Días Ll.	0	8	12	16	16	19	24	19	14	15	13	8

Estación : SANTA HELENA  
Año : 1998

Dpto. : META  
Mpio. : SAN CARLOS GUAROA

Latitud : 3 ° 20' N  
Longitud : 73 ° 40' W  
Altitud : 280 m

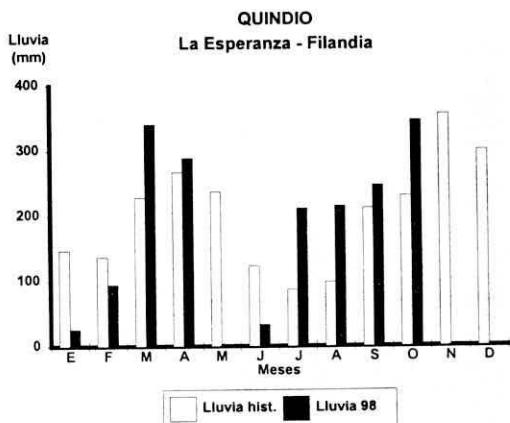
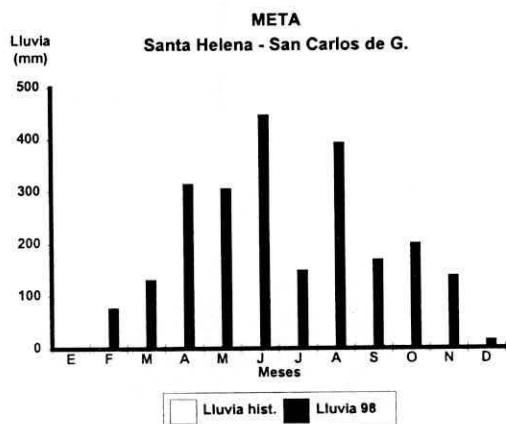
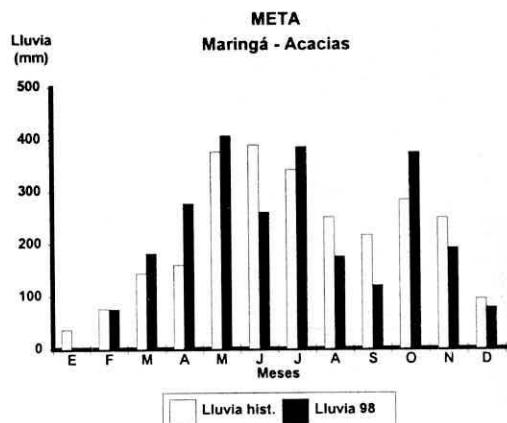
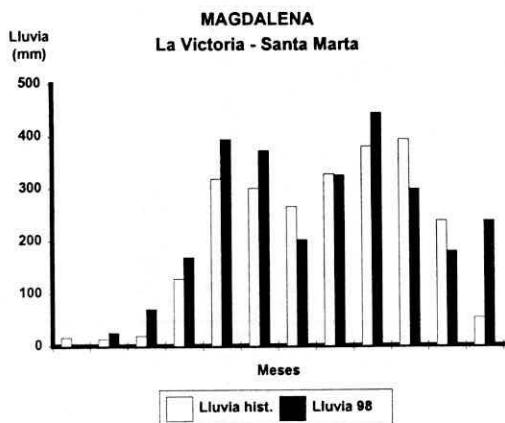
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	0.0	0.0	20.0	0.0	0.0	39.0	0.0	0.0	0.0	0.0
2	0.0	0.0	1.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	17.0	0.0
3	0.0	36.0	0.0	0.0	0.0	28.0	15.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	2.0	17.0	0.0	0.0	0.0	18.0	0.0	38.0	0.0	0.0
5	0.0	0.0	0.0	0.0	10.0	0.0	12.0	2.0	0.0	0.0	70.0	0.0
6	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	12.0	42.0	0.0	0.0
7	0.0	16.0	0.0	0.0	0.0	80.0	0.0	0.0	0.0	10.0	0.0	4.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	15.0	0.0	0.0	0.0	49.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	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	0.0
12	0.0	6.0	0.0	30.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
13	0.0	0.0	0.0	0.0	0.0	137.0	0.0	0.0	0.0	26.0	0.0	4.0
14	0.0	20.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	31.0	1.0
15	0.0	0.0	0.0	0.0	15.0	0.0	0.0	49.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	72.0	0.0	0.0	28.0	0.0	16.0	0.0	0.0
17	0.0	0.0	0.0	30.0	0.0	0.0	10.0	0.0	0.0	31.0	0.0	0.0
18	0.0	0.0	0.0	50.0	0.0	0.0	0.0	5.0	58.0	0.0	21.0	0.0
19	0.0	0.0	0.0	8.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	9.0	39.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	28.0	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	39.0	0.0	135.0	0.0	12.0	0.0	0.0
23	0.0	0.0	20.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	35.0	0.0	0.0	9.0	20.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	91.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	17.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	40.0	3.0	57.0	0.0	35.0	0.0	0.0	27.0	0.0	0.0
29	0.0	0.0	72.0	27.0	74.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	28.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	2.0
31	3.0	0.0	0.0	6.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	3.0	78.0	132.0	316.0	307.0	447.0	150.0	394.0	170.0	202.0	139.0	17.0
Días Ll.	1	4	7	9	11	10	9	10	3	8	4	5

Estación : LA ESPERANZA  
Año : 1998

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	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	6.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0
3	4.0	7.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	20.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	3.0
5	5.0	10.0	0.0	0.0	0.0	0.0	0.0	32.0	10.0	0.0	0.0	0.0
6	0.0	39.0	5.0	35.0	0.0	0.0	50.0	0.0	0.0	0.0	28.0	0.0
7	0.0	10.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	0.0
8	0.0	8.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	39.0	90.0	0.0	18.0	0.0	0.0	17.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	0.0	0.0	0.0	0.0
11	0.0	0.0	2.0	10.0	0.0	0.0	10.0	0.0	50.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0
13	0.0	0.0	13.0	35.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
14	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	20.0	0.0	35.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	6.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	25.0	40.0	15.0	0.0	15.0	0.0
19	0.0	0.0	15.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	25.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0
21	0.0	0.0	28.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0
22	8.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	100.0	0.0	30.0	0.0
23	0.0	0.0	54.0	16.0	0.0	5.0	0.0	0.0	0.0	0.0	20.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0
26	0.0	0.0	32.0	0.0	0.0	15.0	0.0	10.0	0.0	0.0	0.0	0.0
27	9.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	0.0	2.0	0.0
28	0.0	0.0	28.0	0.0	0.0	36.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	32.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0
30	0.0	0.0	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	26.0	94.0	340.0	289.0	33.0	211.0	215.0	247.0	347.0	—	—	Anual
Días Ll.	4	6	16	12	2	8	9	7	15	—	—	—



Estación : VIVERO  
Año : 1998

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	0.0	0.0	4.0	59.0	14.0	9.0	0.0	0.0	0.0	0.0	49.0	4.0
2	0.0	19.0	0.0	22.0	26.0	4.0	4.0	0.0	19.0	0.0	1.0	20.0
3	0.0	28.0	0.0	12.0	50.0	0.0	38.0	0.0	4.0	7.0	7.0	11.0
4	0.0	0.0	0.0	0.0	8.0	1.0	55.0	0.0	2.0	0.0	23.0	0.0
5	2.0	0.0	0.0	0.0	0.0	0.0	2.0	12.0	0.0	44.0	1.0	34.0
6	0.0	3.0	10.0	71.0	0.0	0.0	14.0	2.0	0.0	1.0	16.0	7.0
7	22.0	55.0	7.0	0.0	11.0	2.0	3.0	26.0	0.0	0.0	1.0	0.0
8	0.0	21.0	0.0	0.0	0.0	2.0	1.0	0.0	15.0	0.0	9.0	0.0
9	0.0	2.0	2.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	37.0	0.0
10	0.0	0.0	0.0	40.0	0.0	0.0	0.0	12.0	3.0	0.0	0.0	0.0
11	0.0	0.0	0.0	18.0	3.0	0.0	0.0	0.0	14.0	0.0	1.0	10.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	13.0
13	2.0	1.0	37.0	14.0	0.0	1.0	0.0	29.0	0.0	0.0	2.0	0.0
14	0.0	2.0	0.0	0.0	0.0	9.0	0.0	32.0	11.0	21.0	16.0	35.0
15	0.0	0.0	0.0	22.0	0.0	0.0	3.0	3.0	6.0	18.0	39.0	2.0
16	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	4.0	17.0	0.0	16.0
18	0.0	0.0	32.0	0.0	9.0	1.0	21.0	15.0	27.0	1.0	0.0	2.0
19	0.0	0.0	0.0	17.0	0.0	0.0	0.0	12.0	0.0	32.0	5.0	0.0
20	0.0	0.0	2.0	0.0	0.0	0.0	0.0	1.0	15.0	2.0	0.0	9.0
21	0.0	0.0	0.0	9.0	3.0	8.0	10.0	0.0	0.0	19.0	17.0	0.0
22	0.0	0.0	16.0	5.0	4.0	0.0	5.0	0.0	41.0	5.0	13.0	0.0
23	1.0	0.0	3.0	0.0	9.0	16.0	0.0	0.0	0.0	20.0	7.0	44.0
24	0.0	0.0	0.0	16.0	2.0	0.0	0.0	3.0	0.0	40.0	23.0	0.0
25	0.0	0.0	57.0	21.0	64.0	0.0	16.0	5.0	0.0	20.0	0.0	10.0
26	0.0	31.0	5.0	1.0	17.0	2.0	1.0	3.0	49.0	0.0	0.0	0.0
27	0.0	3.0	26.0	1.0	12.0	0.0	6.0	0.0	6.0	0.0	2.0	0.0
28	1.0	0.0	0.0	0.0	19.0	9.0	13.0	1.0	0.0	7.0	16.0	5.0
29	0.0	0.0	17.0	4.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
30	0.0	0.0	11.0	12.0	0.0	0.0	1.0	0.0	2.0	2.0	11.0	0.0
31	0.0	0.0	0.0	48.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	28.0	165.0	229.0	344.0	299.0	64.0	212.0	160.0	240.0	259.0	296.0	222.0
Días Ll.	5	10	14	17	16	12	19	15	16	17	21	15

Estación : LA JULIA  
Año : 1998

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	0.0	0.0	2.0	7.0	13.0	8.0	0.0	0.0	5.0	3.0	0.0	3.0
2	0.0	0.0	0.0	10.0	43.0	10.0	0.0	0.0	10.0	0.0	2.0	2.0
3	0.0	1.0	0.0	12.0	45.0	1.0	18.0	0.0	2.0	0.0	15.0	1.0
4	0.0	0.0	1.0	0.0	9.0	2.0	24.0	1.0	10.0	0.0	9.0	1.0
5	21.0	0.0	0.0	0.0	2.0	0.0	2.0	27.0	0.0	12.0	4.0	22.0
6	0.0	0.0	5.0	28.0	1.0	0.0	37.0	1.0	0.0	5.0	20.0	4.0
7	3.0	40.0	10.0	0.0	0.0	21.0	1.0	2.0	12.0	7.0	12.0	1.0
8	0.0	23.0	0.0	0.0	0.0	9.0	6.0	2.0	20.0	0.0	5.0	1.0
9	0.0	10.0	10.0	16.0	0.0	0.0	3.0	0.0	1.0	0.0	33.0	0.0
10	0.0	2.0	0.0	15.0	1.0	0.0	1.0	14.0	10.0	0.0	0.0	1.0
11	0.0	0.0	3.0	0.0	1.0	0.0	0.0	0.0	24.0	0.0	0.0	2.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	10.0	22.0	2.0
13	2.0	0.0	2.0	53.0	0.0	0.0	0.0	0.0	1.0	0.0	37.0	22.0
14	1.0	5.0	0.0	0.0	0.0	20.0	0.0	12.0	5.0	34.0	30.0	0.0
15	0.0	0.0	0.0	3.0	0.0	10.0	0.0	2.0	1.0	0.0	32.0	10.0
16	0.0	0.0	0.0	8.0	0.0	0.0	3.0	0.0	0.0	0.0	2.0	1.0
17	0.0	0.0	0.0	2.0	2.0	0.0	6.0	0.0	10.0	6.0	0.0	42.0
18	0.0	0.0	0.0	0.0	0.0	10.0	12.0	4.0	10.0	21.0	0.0	3.0
19	0.0	0.0	0.0	71.0	0.0	6.0	3.0	21.0	0.0	24.0	7.0	0.0
20	0.0	0.0	14.0	1.0	0.0	0.0	0.0	1.0	10.0	1.0	0.0	0.0
21	0.0	0.0	0.0	8.0	0.0	25.0	0.0	0.0	24.0	10.0	14.0	6.0
22	0.0	0.0	30.0	15.0	0.0	1.0	4.0	1.0	82.0	12.0	10.0	1.0
23	2.0	1.0	10.0	1.0	0.0	0.0	0.0	0.0	1.0	16.0	2.0	35.0
24	0.0	0.0	0.0	10.0	2.0	0.0	0.0	16.0	1.0	32.0	14.0	10.0
25	0.0	1.0	10.0	34.0	48.0	0.0	1.0	14.0	1.0	20.0	1.0	20.0
26	0.0	0.0	18.0	5.0	13.0	0.0	0.0	5.0	24.0	0.0	0.0	32.0
27	0.0	10.0	40.0	0.0	6.0	0.0	4.0	0.0	28.0	0.0	4.0	3.0
28	3.0	0.0	2.0	20.0	14.0	0.0	4.0	0.0	0.0	1.0	10.0	1.0
29	0.0	0.0	40.0	3.0	0.0	0.0	0.0	0.0	0.0	12.0	12.0	0.0
30	0.0	0.0	42.0	10.0	0.0	0.0	7.0	0.0	0.0	8.0	10.0	0.0
31	0.0	0.0	2.0	43.0	0.0	12.0	0.0	12.0	18.0	0.0	0.0	0.0
Total	32.0	93.0	241.0	332.0	243.0	123.0	136.0	135.0	313.0	252.0	307.0	226.0
Días Ll.	6	9	17	21	15	12	17	16	23	19	23	24

Estación : SORRENTO  
Año : 1998

Dpto. : QUINDIO  
Mpio. : MONTENEGRO

Latitud : 4 ° 33' N  
Longitud : 75 ° 49' W  
Altitud : 1200 m

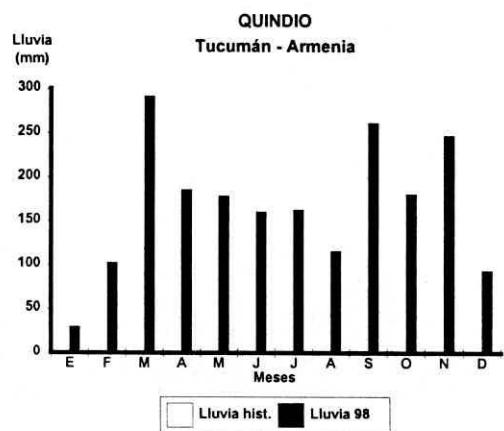
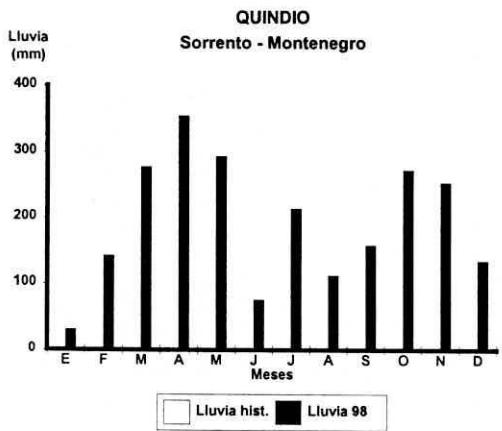
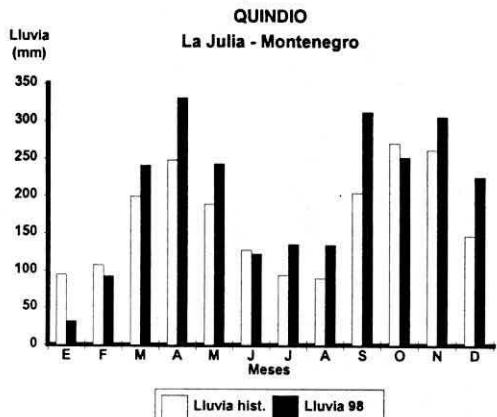
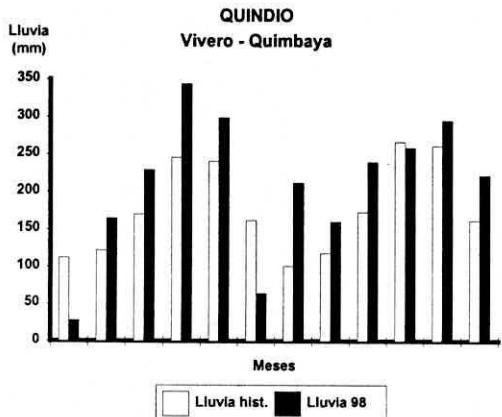
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	4.0	0.0	0.0	1.0	17.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	58.0	65.0	4.0	34.0	0.0	15.0	0.0	11.0	0.0
3	0.0	22.0	0.0	8.0	55.0	0.0	14.0	0.0	0.0	55.0	10.0	0.0
4	0.0	0.0	15.0	0.0	18.0	3.0	15.0	0.0	2.0	0.0	0.0	0.0
5	14.0	0.0	0.0	0.0	1.0	0.0	30.0	28.0	0.0	45.0	1.0	35.0
6	0.0	0.0	1.0	44.0	0.0	0.0	33.0	0.0	0.0	5.0	7.0	0.0
7	0.0	57.0	5.0	0.0	0.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	30.0	0.0	0.0	0.0	6.0	3.0	0.0	8.0	2.0	9.0	0.0
9	0.0	5.0	0.0	3.0	0.0	0.0	2.0	0.0	0.0	0.0	40.0	0.0
10	0.0	0.0	0.0	2.0	0.0	0.0	0.0	18.0	10.0	0.0	0.0	0.0
11	0.0	0.0	2.0	50.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	25.0
12	0.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	10.0	3.0	0.0	0.0
13	6.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0
14	7.0	2.0	0.0	0.0	0.0	0.0	4.0	26.0	17.0	0.0	0.0	18.0
15	0.0	0.0	0.0	1.0	0.0	10.0	0.0	0.0	0.0	0.0	15.0	0.0
16	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
17	0.0	0.0	0.0	0.0	3.0	0.0	9.0	0.0	0.0	8.0	0.0	24.0
18	0.0	0.0	15.0	65.0	0.0	0.0	24.0	0.0	15.0	0.0	0.0	0.0
19	0.0	0.0	0.0	63.0	0.0	10.0	0.0	0.0	0.0	15.0	0.0	0.0
20	0.0	0.0	41.0	0.0	0.0	14.0	0.0	15.0	30.0	0.0	0.0	9.0
21	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	19.0	67.0	0.0
22	0.0	0.0	15.0	0.0	0.0	0.0	1.0	0.0	0.0	3.0	10.0	0.0
23	0.0	0.0	15.0	5.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	24.0	24.0	0.0
25	0.0	0.0	19.0	9.0	70.0	0.0	0.0	3.0	0.0	47.0	0.0	0.0
26	0.0	9.0	55.0	3.0	8.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0
27	0.0	18.0	73.0	0.0	7.0	0.0	0.0	6.0	0.0	0.0	0.0	6.0
28	0.0	0.0	3.0	14.0	9.0	0.0	25.0	0.0	0.0	15.0	0.0	0.0
29	0.0	7.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	45.0	0.0
30	0.0	5.0	2.0	0.0	0.0	8.0	0.0	0.0	2.0	10.0	0.0	0.0
31	0.0	7.0	0.0	41.0	0.0	10.0	0.0	10.0	13.0	0.0	0.0	Anual
Total	31.0	143.0	278.0	355.0	294.0	76.0	215.0	113.0	159.0	273.0	254.0	135.0
Días Ll.	4	7	15	19	11	8	14	8	10	17	13	7

Estación : TUCUMAN  
Año : 1998

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	0.0	8.0	0.0	0.0	52.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	9.0	45.0	0.0	0.0	0.0	28.0	0.0	28.0	0.0
4	0.0	0.0	0.0	0.0	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	30.0	0.0	0.0	13.0	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	28.0	0.0
7	0.0	12.0	12.0	0.0	15.0	0.0	0.0	42.0	10.0	25.0	0.0	0.0
8	0.0	20.0	0.0	0.0	0.0	63.0	0.0	0.0	12.0	0.0	4.0	0.0
9	0.0	48.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0
10	0.0	0.0	0.0	12.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	38.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	120.0	0.0	0.0	14.0	0.0	0.0
13	0.0	0.0	18.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.0	18.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	16.0	1.0	0.0	0.0	0.0	93.0	3.0
16	0.0	0.0	0.0	5.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	8.0	35.0	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	0.0	0.0	17.0	0.0	0.0	0.0	15.0	0.0
20	0.0	0.0	35.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0	19.0
22	0.0	0.0	22.0	25.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	44.0	0.0	0.0	0.0	0.0	0.0	60.0	0.0	0.0	0.0
24	0.0	0.0	0.0	3.0	35.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0
25	0.0	0.0	10.0	0.0	20.0	0.0	0.0	0.0	0.0	80.0	0.0	30.0
26	0.0	0.0	52.0	0.0	0.0	0.0	0.0	33.0	1.0	0.0	0.0	0.0
27	0.0	23.0	0.0	25.0	0.0	0.0	0.0	0.0	68.0	0.0	0.0	0.0
28	0.0	0.0	78.0	8.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	20.0
29	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	0.0	0.0	Anual
Total	30.0	103.0	292.0	186.0	179.0	161.0	163.0	116.0	262.0	181.0	248.0	94.0
Días Ll.	1	4	11	11	6	4	5	4	9	6	7	5



Estación : LA PRADERA  
Año : 1998

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0
2	0.0	0.0	10.0	10.0	20.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
3	0.0	20.0	0.0	10.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
4	50.0	0.0	10.0	0.0	10.0	0.0	50.0	0.0	1.0	0.0	15.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	10.0	60.0
6	0.0	0.0	0.0	20.0	0.0	0.0	10.0	0.0	0.0	6.0	1.0	0.0
7	0.0	30.0	10.0	0.0	10.0	10.0	0.0	0.0	2.0	10.0	0.0	0.0
8	0.0	50.0	0.0	0.0	0.0	10.0	20.0	0.0	2.0	0.0	0.0	0.0
9	0.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	50.0	0.0
10	0.0	0.0	0.0	30.0	20.0	0.0	0.0	0.0	9.0	0.0	0.0	2.0
11	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
12	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	5.0	1.0	0.0	15.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
14	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	70.0	3.0
15	0.0	0.0	0.0	50.0	0.0	10.0	0.0	0.0	0.0	20.0	28.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	24.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	30.0	0.0	0.0	16.0	0.0	4.0	30.0	0.0	2.0
18	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	16.0	0.0	0.0	0.0
19	0.0	0.0	0.0	50.0	0.0	0.0	4.0	0.0	0.0	5.0	15.0	0.0
20	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0
21	0.0	0.0	0.0	10.0	0.0	20.0	0.0	0.0	1.0	20.0	20.0	2.0
22	0.0	0.0	20.0	20.0	0.0	20.0	0.0	0.0	12.0	18.0	5.0	2.0
23	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	1.0	35.0	6.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	23.0	4.0	10.0
25	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	15.0	24.0	3.0	12.0
26	0.0	0.0	10.0	30.0	20.0	0.0	0.0	10.0	10.0	0.0	10.0	13.0
27	0.0	0.0	20.0	0.0	0.0	0.0	0.0	3.0	7.0	0.0	15.0	40.0
28	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	2.0	0.0	27.0	0.0
29	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	4.0
30	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	5.0	4.0	8.0	0.0
31	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0

Anual

Total	50.0	120.0	230.0	290.0	260.0	70.0	131.0	13.0	137.0	234.0	290.0	195.0	2020.0
Días Ll.	1	5	11	12	9	5	7	2	22	15	17	14	

Estación : EL JARDIN  
Año : 1998

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	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
2	0.0	3.0	0.0	4.0	4.0	5.0	10.0	0.0	0.0	0.0	0.0	10.0
3	0.0	0.0	0.0	15.0	15.0	10.0	20.0	0.0	0.0	0.0	0.0	0.0
4	38.0	0.0	18.0	18.0	81.0	0.0	20.0	0.0	0.0	0.0	0.0	60.0
5	0.0	5.0	5.0	0.0	10.0	0.0	20.0	15.0	0.0	0.0	10.0	10.0
6	0.0	6.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	67.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	39.0	0.0	17.0	20.0	30.0	10.0	0.0	0.0	0.0	70.0	0.0
9	7.0	11.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	24.0	0.0	0.0	0.0	18.0	0.0	30.0	0.0	0.0
11	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	20.0
12	0.0	0.0	0.0	13.0	0.0	0.0	0.0	0.0	10.0	0.0	10.0	0.0
13	0.0	4.0	0.0	5.0	0.0	0.0	0.0	0.0	50.0	0.0	20.0	0.0
14	15.0	7.0	0.0	15.0	0.0	0.0	0.0	19.0	0.0	35.0	50.0	0.0
15	0.0	0.0	0.0	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	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	9.0	0.0	0.0	10.0	0.0	20.0	0.0	0.0	0.0
19	0.0	0.0	7.0	53.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
20	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	30.0	0.0
22	0.0	9.0	71.0	5.0	0.0	0.0	0.0	0.0	30.0	0.0	5.0	25.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	15.0
24	0.0	0.0	0.0	11.0	26.0	0.0	0.0	0.0	20.0	25.0	0.0	50.0
25	0.0	0.0	0.0	0.0	35.0	0.0	0.0	25.0	20.0	30.0	0.0	10.0
26	0.0	0.0	35.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	38.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0
28	0.0	0.0	40.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	59.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0
30	0.0	0.0	15.0	0.0	12.0	0.0	0.0	0.0	0.0	35.0	10.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Anual  
2142.0

Total	63.0	164.0	338.0	225.0	234.0	75.0	110.0	77.0	160.0	245.0	246.0	205.0
Días Ll.	4	10	11	15	10	5	8	4	7	8	10	9

Estación : QUEBRADANEGRAS  
Año : 1998

Dpto. : QUINDIO  
Mpio. : CALARCA

Latitud : 4 ° 27' N  
Longitud : 75 ° 40' W  
Altitud : 1500 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	16.0	13.0	12.0	6.0	0.0	0.0	3.0	0.0	1.0	6.0
2	0.0	0.0	0.0	10.0	4.0	3.0	8.0	0.0	4.0	0.0	1.0	4.0
3	0.0	0.0	0.0	5.0	37.0	5.0	37.0	0.0	0.0	0.0	0.0	16.0
4	0.0	0.0	8.0	8.0	4.0	0.0	26.0	0.0	0.0	0.0	14.0	7.0
5	36.0	0.0	0.0	0.0	13.0	0.0	14.0	14.0	2.0	14.0	21.0	48.0
6	2.0	0.0	2.0	0.0	25.0	0.0	0.0	3.0	0.0	7.0	7.0	22.0
7	38.0	56.0	9.0	3.0	8.0	2.0	3.0	0.0	0.0	3.0	0.0	0.0
8	0.0	68.0	0.0	5.0	6.0	9.0	4.0	6.0	1.0	0.0	2.0	2.0
9	0.0	0.0	2.0	0.0	17.0	0.0	7.0	2.0	2.0	0.0	47.0	1.0
10	0.0	22.0	0.0	0.0	9.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0
11	0.0	0.0	1.0	23.0	4.0	0.0	0.0	0.0	0.0	0.0	8.0	2.0
12	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	2.0	0.0	73.0	0.0
13	0.0	3.0	1.0	13.0	2.0	0.0	4.0	0.0	5.0	0.0	82.0	0.0
14	52.0	7.0	0.0	7.0	0.0	1.0	0.0	0.0	2.0	0.0	38.0	0.0
15	0.0	0.0	0.0	16.0	1.0	14.0	0.0	9.0	0.0	35.0	8.0	0.0
16	0.0	0.0	0.0	23.0	0.0	0.0	5.0	15.0	0.0	7.0	11.0	2.0
17	0.0	0.0	0.0	15.0	1.0	0.0	0.0	0.0	1.0	3.0	22.0	0.0
18	0.0	0.0	0.0	8.0	0.0	0.0	8.0	2.0	0.0	0.0	14.0	8.0
19	0.0	0.0	0.0	17.0	0.0	0.0	0.0	0.0	2.0	0.0	6.0	0.0
20	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
21	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	3.0	48.0	23.0	33.0
22	0.0	6.0	14.0	3.0	0.0	1.0	0.0	0.0	21.0	56.0	2.0	28.0
23	0.0	0.0	22.0	0.0	3.0	0.0	0.0	0.0	11.0	53.0	0.0	45.0
24	0.0	0.0	0.0	8.0	2.0	0.0	0.0	2.0	2.0	26.0	27.0	27.0
25	0.0	0.0	0.0	2.0	23.0	0.0	0.0	0.0	3.0	42.0	8.0	17.0
26	0.0	0.0	12.0	4.0	27.0	0.0	0.0	7.0	12.0	0.0	17.0	26.0
27	0.0	0.0	7.0	0.0	14.0	0.0	0.0	1.0	0.0	13.0	8.0	3.0
28	0.0	0.0	28.0	0.0	18.0	3.0	0.0	0.0	0.0	6.0	0.0	5.0
29	0.0	10.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	4.0	23.0	2.0
30	0.0	0.0	7.0	5.0	0.0	0.0	0.0	0.0	0.0	2.0	38.0	0.0
31	0.0	8.0	0.0	4.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0

Total 128.0 162.0 162.0 198.0 241.0 44.0 116.0 66.0 76.0 324.0 501.0 304.0 Anual 2322.0  
Días Ll. 4 6 15 21 23 9 10 11 16 17 24 20

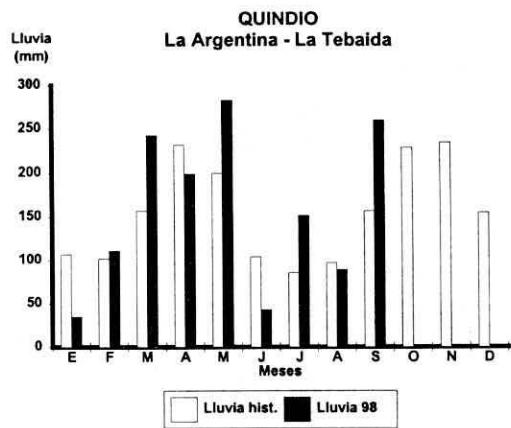
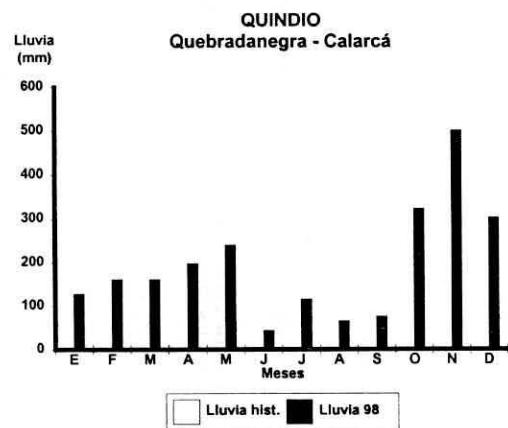
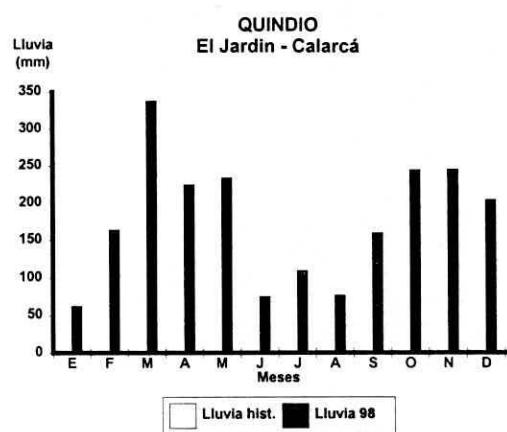
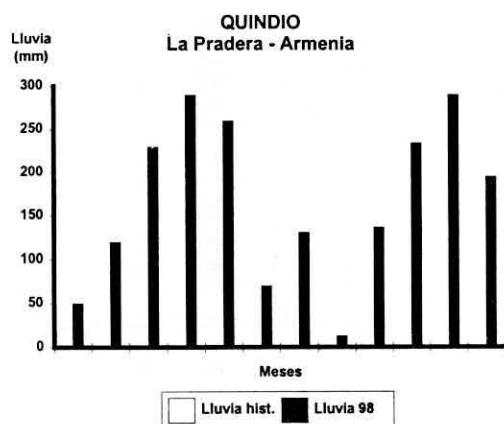
Estación : LA ARGENTINA  
Año : 1998

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	0.0	0.0	7.0	30.0	5.0	2.0	0.0	0.0	12.0			
2	0.0	0.0	0.0	15.0	6.0	0.0	0.0	0.0	16.0			
3	0.0	0.0	0.0	0.0	58.0	0.0	23.0	0.0	0.0			
4	0.0	0.0	11.0	0.0	18.0	0.0	21.0	0.0	0.0			
5	32.0	0.0	0.0	1.0	0.0	0.0	1.0	22.0	0.0			
6	0.0	7.0	0.0	7.0	7.0	0.0	0.0	0.0	3.0			
7	0.0	27.0	9.0	0.0	0.0	12.0	3.0	0.0	0.0			
8	0.0	24.0	0.0	0.0	6.0	0.0	17.0	0.0	6.0			
9	0.0	44.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0			
10	0.0	0.0	21.0	0.0	35.0	0.0	0.0	1.0	0.0			
11	0.0	3.0	11.0	54.0	24.0	0.0	0.0	0.0	31.0			
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0			
13	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0			
14	3.0	6.0	0.0	0.0	0.0	15.0	0.0	11.0	1.0			
15	0.0	0.0	0.0	4.0	0.0	12.0	0.0	1.0	0.0			
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0			
17	0.0	0.0	0.0	0.0	0.0	0.0	35.0	0.0	0.0			
18	0.0	0.0	2.0	2.0	0.0	0.0	3.0	1.0	0.0			
19	0.0	0.0	0.0	1.0	0.0	0.0	14.0	37.0	75.0			
20	0.0	0.0	8.0	25.0	0.0	0.0	0.0	6.0	0.0			
21	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0			
22	0.0	0.0	24.0	1.0	0.0	2.0	13.0	0.0	55.0			
23	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0			
24	0.0	0.0	0.0	22.0	4.0	0.0	0.0	2.0	0.0			
25	0.0	0.0	31.0	0.0	13.0	0.0	0.0	0.0	16.0			
26	0.0	0.0	7.0	0.0	18.0	0.0	0.0	0.0	0.0	15.0		
27	0.0	0.0	55.0	0.0	27.0	0.0	15.0	0.0	0.0			
28	0.0	0.0	15.0	0.0	13.0	0.0	0.0	0.0	3.0			
29	0.0	40.0	2.0	0.0	0.0	0.0	0.0	0.0	10.0			
30	0.0	0.0	20.0	0.0	0.0	0.0	0.0	8.0	0.0			
31	0.0	0.0	0.0	49.0	0.0	0.0	0.0	0.0	0.0			

Total 35.0 111.0 243.0 199.0 283.0 43.0 152.0 89.0 260.0 Anual  
Días Ll. 2 6 14 14 14 5 11 9 15



Estación : LA MIRANDA  
Año : 1998

Dpto. : QUINDIO  
Mpio. : LA TEBAIDA

Latitud : 4 ° 75' 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	0.0	25.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	45.0	31.0	0.0	0.0	0.0	10.0	0.0	0.0	10.0
3	0.0	4.0	0.0	15.0	28.0	0.0	45.0	0.0	0.0	18.0	4.0	0.0
4	0.0	0.0	0.0	0.0	10.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	7.0	5.0	0.0	0.0	20.0	0.0	33.0	5.0	28.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	7.0	25.0	4.0
7	0.0	62.0	10.0	0.0	8.0	0.0	0.0	5.0	0.0	31.0	0.0	0.0
8	0.0	27.0	0.0	0.0	0.0	8.0	20.0	0.0	0.0	0.0	0.0	0.0
9	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	50.0	0.0
10	0.0	2.0	0.0	0.0	10.0	0.0	0.0	12.0	4.0	0.0	0.0	0.0
11	0.0	0.0	11.0	12.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	38.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.0	0.0	16.0	28.0
13	0.0	6.0	0.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	34.0	17.0	0.0	0.0	0.0	13.0	0.0	38.0	4.0	0.0	0.0	7.0
15	0.0	0.0	0.0	12.0	0.0	0.0	30.0	0.0	0.0	0.0	6.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	21.0	10.0	0.0	21.0	0.0	0.0
18	0.0	0.0	7.0	0.0	0.0	18.0	0.0	30.0	4.0	0.0	0.0	0.0
19	0.0	0.0	0.0	28.0	0.0	0.0	0.0	0.0	0.0	4.0	37.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	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	10.0	42.0	0.0
22	0.0	0.0	55.0	0.0	0.0	0.0	22.0	0.0	27.0	24.0	0.0	0.0
23	0.0	0.0	12.0	0.0	0.0	13.0	0.0	0.0	0.0	32.0	9.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	10.0	15.0
25	0.0	0.0	43.0	30.0	41.0	0.0	0.0	43.0	8.0	12.0	0.0	0.0
26	0.0	0.0	81.0	0.0	25.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
27	0.0	0.0	55.0	9.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
28	0.0	0.0	0.0	0.0	32.0	0.0	0.0	0.0	0.0	10.0	5.0	0.0
29	0.0	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0
30	0.0	0.0	12.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	3.0	0.0	32.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0
Total	34.0	133.0	310.0	221.0	269.0	34.0	184.0	170.0	135.0	221.0	214.0	135.0
Días Ll.	1	7	11	11	13	3	8	8	9	13	12	8

Estación : MONACO  
Año : 1998

Dpto. : QUINDIO  
Mpio. : CORDOBA

Latitud : 4 ° 75' N  
Longitud : 75 ° 42' W  
Altitud : 1250 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	11.7	4.5	5.6	4.1	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	2.7	7.7	18.1	4.7	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	22.6	38.5	.9	30.0	0.0	0.0	1.0	0.0	0.0
4	0.0	0.0	19.3	0.0	5.0	1.6	20.0	0.0	10.0	0.0	4.0	0.0
5	0.0	0.0	0.0	.8	6.6	0.0	0.0	0.0	20.0	2.0	3.0	0.0
6	0.0	0.0	5.3	43.9	26.0	0.0	0.0	10.0	10.0	0.0	2.0	1.0
7	0.0	10.0	9.3	0.0	4.5	1.5	0.0	20.0	20.0	0.0	1.0	0.0
8	0.0	60.0	0.0	.4	2.3	15.6	20.0	10.0	10.0	0.0	0.0	0.0
9	0.0	0.0	33.2	0.0	.3	.2	30.0	20.0	20.0	0.0	5.0	0.0
10	0.0	0.0	0.0	.9	32.9	0.0	0.0	30.0	0.0	0.0	0.0	0.0
11	0.0	10.0	6.7	28.4	1.0	.3	0.0	0.0	30.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	2.0	2.0
13	10.0	0.0	0.0	54.8	0.0	0.0	20.0	0.0	10.0	2.0	8.0	0.0
14	0.0	0.0	4.4	0.0	2.5	.3	0.0	30.0	10.0	3.0	4.0	0.0
15	0.0	0.0	0.0	8.0	.2	12.6	0.0	0.0	0.0	6.0	9.0	0.0
16	0.0	0.0	0.0	12.5	0.0	.1	0.0	0.0	0.0	1.0	0.0	0.0
17	0.0	0.0	0.0	6.0	.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	1.6	0.0	0.0	.1	20.0	0.0	30.0	0.0	2.0	0.0
19	0.0	0.0	0.0	37.0	0.0	0.0	10.0	0.0	20.0	0.0	3.0	1.0
20	0.0	0.0	15.8	.3	0.0	0.0	0.0	10.0	0.0	1.0	0.0	0.0
21	0.0	0.0	0.0	4.5	0.0	1.1	0.0	0.0	0.0	2.0	0.0	2.0
22	0.0	0.0	5.1	0.0	0.0	.4	0.0	0.0	0.0	4.0	1.0	3.0
23	0.0	0.0	26.1	1.1	0.0	.2	0.0	20.0	10.0	6.0	0.0	2.0
24	0.0	0.0	0.0	2.0	.1	0.0	0.0	0.0	30.0	8.0	10.0	1.0
25	0.0	0.0	.5	.4	29.1	0.0	0.0	0.0	10.0	9.0	3.0	6.0
26	0.0	0.0	5.4	9.9	21.0	0.0	0.0	0.0	20.0	0.0	4.0	4.0
27	0.0	0.0	18.9	2.6	14.0	.6	0.0	0.0	40.0	4.0	0.0	1.0
28	0.0	0.0	3.4	0.0	21.2	.7	0.0	0.0	50.0	3.0	9.0	4.0
29	0.0	39.4	3.7	.9	0.0	0.0	0.0	0.0	0.0	2.0	10.0	9.0
30	0.0	37.4	5.2	1.0	0.0	0.0	0.0	0.0	0.0	6.0	2.0	0.0
31	0.0	0.0	1.2	0.0	34.1	0.0	10.0	0.0	0.0	2.0	0.0	0.0
Total	10.0	80.0	247.4	257.2	265.2	45.0	150.0	160.0	370.0	62.0	82.0	36.0
Días Ll.	1	3	19	22	22	17	7	9	18	17	18	12

Estación : LA ESPERANZA  
Año : 1998

Dpto. : QUINDIO  
Mpio. : BUENAVISTA

Latitud : 4 ° 22' N  
Longitud : 75 ° 45' W  
Altitud : 1400 m

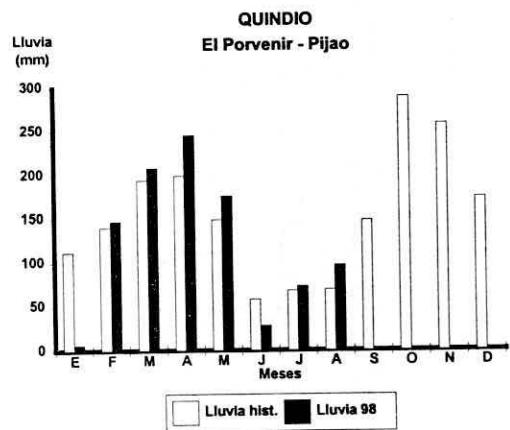
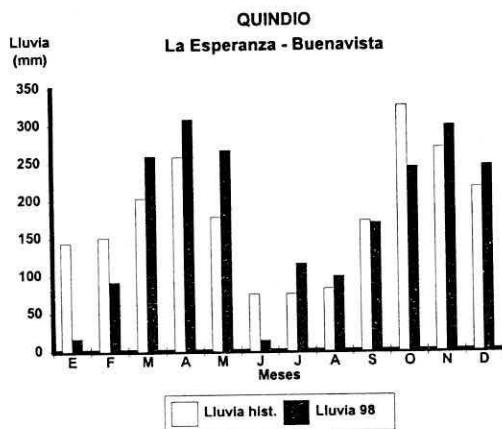
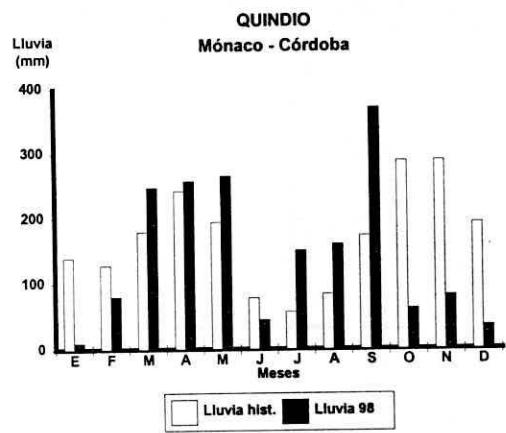
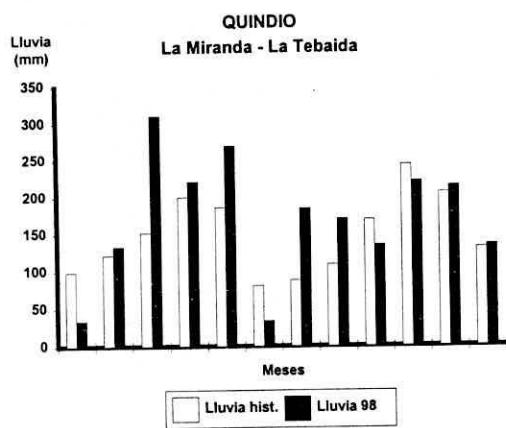
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	19.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	14.0	15.0
2	0.0	0.0	0.0	21.0	36.0	0.0	0.0	0.0	8.0	9.0	0.0	10.0
3	0.0	15.0	0.0	19.0	47.0	0.0	17.0	0.0	4.0	12.0	0.0	0.0
4	0.0	0.0	0.0	9.0	21.0	3.0	16.0	0.0	0.0	0.0	28.0	55.0
5	0.0	0.0	0.0	68.0	6.0	0.0	41.0	0.0	8.0	37.0	0.0	4.0
6	0.0	0.0	32.0	0.0	0.0	0.0	0.0	49.0	0.0	6.0	0.0	0.0
7	0.0	25.0	0.0	0.0	12.0	0.0	0.0	8.0	0.0	0.0	12.0	0.0
8	0.0	43.0	0.0	0.0	0.0	6.0	0.0	0.0	5.0	0.0	0.0	12.0
9	0.0	0.0	10.0	0.0	4.0	0.0	0.0	11.0	0.0	0.0	35.0	16.0
10	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
11	0.0	0.0	0.0	19.0	0.0	0.0	0.0	0.0	10.0	8.0	3.0	0.0
12	0.0	0.0	0.0	26.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	6.0
13	0.0	0.0	0.0	24.0	0.0	5.0	0.0	0.0	4.0	0.0	9.0	3.0
14	6.0	9.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	68.0	0.0
15	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	11.0	5.0	0.0	4.0
16	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	11.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0
18	11.0	0.0	0.0	15.0	0.0	0.0	22.0	0.0	9.0	4.0	18.0	0.0
19	0.0	0.0	0.0	7.0	0.0	0.0	14.0	0.0	14.0	7.0	14.0	0.0
20	0.0	0.0	14.0	0.0	4.0	0.0	0.0	0.0	0.0	5.0	38.0	6.0
21	0.0	0.0	21.0	8.0	3.0	0.0	0.0	0.0	5.0	13.0	3.0	12.0
22	0.0	0.0	21.0	0.0	0.0	0.0	0.0	0.0	35.0	32.0	0.0	8.0
23	0.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0	20.0	5.0
24	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
25	0.0	0.0	0.0	12.0	6.0	0.0	0.0	15.0	5.0	20.0	0.0	6.0
26	0.0	0.0	24.0	0.0	21.0	0.0	0.0	0.0	0.0	9.0	0.0	18.0
27	0.0	0.0	0.0	0.0	43.0	0.0	0.0	0.0	14.0	0.0	20.0	4.0
28	0.0	0.0	15.0	12.0	24.0	0.0	0.0	0.0	29.0	0.0	14.0	11.0
29	0.0	61.0	18.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	36.0
30	0.0	20.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
31	0.0	3.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
Total	17.0	92.0	259.0	308.0	267.0	14.0	116.0	99.0	170.0	244.0	299.0	246.0
Días Ll.	2	4	12	16	16	3	6	5	15	18	15	20

Estación : EL PORVENIR  
Año : 1998

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	0.0	0.0	12.0	3.0	10.0	6.0	0.0	0.0				
2	0.0	0.0	1.0	2.0	6.0	3.0	0.0	0.0				
3	0.0	14.0	0.0	22.0	26.0	2.0	4.0	0.0				
4	0.0	0.0	0.0	0.0	8.0	0.0	33.0	0.0				
5	0.0	0.0	0.0	0.0	8.0	0.0	2.0	55.0				
6	1.0	0.0	1.0	80.0	14.0	0.0	1.0	5.0				
7	1.0	44.0	21.0	0.0	1.0	0.0	3.0	1.0				
8	0.0	61.0	1.0	0.0	0.0	4.0	3.0	0.0				
9	0.0	1.0	2.0	0.0	0.0	0.0	1.0	0.0				
10	0.0	3.0	0.0	2.0	1.0	7.0	0.0	8.0				
11	0.0	1.0	18.0	13.0	5.0	0.0	0.0	0.0				
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0				
13	1.0	15.0	2.0	25.0	0.0	0.0	0.0	0.0				
14	1.0	8.0	0.0	1.0	2.0	1.0	0.0	0.0				
15	0.0	0.0	0.0	24.0	0.0	1.0	10.0	1.0				
16	0.0	0.0	0.0	5.0	0.0	0.0	1.0	0.0				
17	0.0	0.0	0.0	0.0	1.0	0.0	10.0	0.0				
18	2.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0				
19	0.0	0.0	0.0	20.0	0.0	1.0	0.0	11.0				
20	0.0	0.0	9.0	1.0	0.0	0.0	0.0	0.0				
21	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0				
22	0.0	0.0	19.0	1.0	0.0	1.0	1.0	0.0				
23	0.0	0.0	15.0	1.0	1.0	0.0	0.0	0.0				
24	0.0	0.0	0.0	17.0	0.0	0.0	0.0	1.0				
25	0.0	0.0	1.0	2.0	8.0	0.0	0.0	13.0				
26	0.0	0.0	7.0	5.0	20.0	0.0	0.0	1.0				
27	0.0	0.0	21.0	2.0	14.0	0.0	0.0	0.0				
28	0.0	0.0	6.0	2.0	15.0	1.0	0.0	0.0				
29	0.0	14.0	2.0	1.0	0.0	0.0	0.0	0.0				
30	0.0	57.0	15.0	0.0	0.0	0.0	0.0	0.0				
31	0.0	1.0	0.0	35.0	0.0	0.0	0.0	0.0				
Total	6.0	147.0	208.0	245.0	176.0	28.0	73.0	97.0				Anual
Días Ll.	5	8	18	21	18	11	12	10				



Estación : VILLA HORIZABA  
Año : 1998

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	0.0	15.0	15.0	10.0	9.0	0.0	0.0	0.0	0.0	4.0	5.0
2	0.0	0.0	0.0	5.0	5.0	2.0	0.0	0.0	4.0	7.0	0.0	14.0
3	0.0	15.0	0.0	10.0	30.0	1.0	5.0	0.0	0.0	0.0	5.0	0.0
4	0.0	0.0	0.0	0.0	10.0	0.0	30.0	0.0	0.0	0.0	3.0	1.0
5	0.0	0.0	0.0	5.0	2.0	0.0	1.0	40.0	0.0	60.0	40.0	2.0
6	0.0	3.0	0.0	15.0	15.0	0.0	2.0	9.0	0.0	4.0	29.0	15.0
7	0.0	23.0	25.0	0.0	5.0	0.0	18.0	5.0	18.0	1.0	0.0	10.0
8	0.0	15.0	8.0	0.0	0.0	0.0	3.0	1.0	5.0	0.0	3.0	9.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	1.0	0.0	50.0	8.0
10	0.0	5.0	4.0	15.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
11	0.0	0.0	0.0	5.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	8.0	6.0
13	0.0	1.0	30.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	2.0	0.0
14	0.0	18.0	0.0	25.0	0.0	0.0	0.0	1.0	50.0	0.0	1.0	0.0
15	0.0	0.0	0.0	8.0	2.0	5.0	0.0	4.0	3.0	25.0	15.0	1.0
16	0.0	0.0	0.0	9.0	0.0	1.0	2.0	0.0	17.0	0.0	0.0	0.0
17	0.0	0.0	0.0	15.0	1.0	0.0	10.0	0.0	4.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	10.0	8.0	0.0	0.0
19	0.0	0.0	0.0	10.0	0.0	1.0	0.0	2.0	1.0	9.0	2.0	2.0
20	0.0	0.0	7.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0
21	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	30.0	30.0	10.0
22	0.0	0.0	35.0	20.0	0.0	2.0	0.0	0.0	67.0	15.0	2.0	0.0
23	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	5.0	30.0	5.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	25.0	4.0
25	0.0	0.0	0.0	1.0	30.0	0.0	0.0	9.0	3.0	20.0	0.0	1.0
26	0.0	40.0	0.0	30.0	0.0	0.0	0.0	0.0	15.0	0.0	10.0	2.0
27	0.0	0.0	2.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0
28	0.0	0.0	13.0	0.0	40.0	0.0	0.0	0.0	3.0	0.0	3.0	90.0
29	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	12.0	0.0
30	0.0	0.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	40.0	1.0
31	0.0	0.0	3.0	5.0	0.0	0.0	2.0	0.0	10.0	0.0	0.0	Anual
Total	0.0	80.0	253.0	164.0	236.0	21.0	85.0	81.0	231.0	263.0	299.0	188.0
Días Ll.	0	7	14	16	16	7	9	10	17	15	23	19

Estación : LA ALEJANDRIA  
Año : 1998

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	4.0	0.0	0.0	32.0	18.0	9.0	0.0	0.0	0.0	0.0	0.0	30.0
2	0.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	10.0
3	0.0	0.0	0.0	16.0	48.0	0.0	0.0	0.0	0.0	12.0	10.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	25.0	30.0	0.0	0.0	20.0	14.0
5	0.0	0.0	10.0	4.0	0.0	0.0	0.0	0.0	0.0	11.0	22.0	0.0
6	0.0	13.0	0.0	11.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0
7	12.0	42.0	10.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	20.0	7.0	0.0	30.0	0.0	15.0	0.0	13.0	0.0	0.0	10.0
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
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	20.0
11	0.0	0.0	0.0	12.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0	0.0
13	0.0	25.0	12.0	30.0	0.0	0.0	0.0	0.0	60.0	10.0	0.0	0.0
14	10.0	15.0	0.0	0.0	0.0	0.0	0.0	2.0	20.0	10.0	0.0	21.0
15	0.0	0.0	0.0	10.0	0.0	0.0	0.0	6.0	65.0	0.0	0.0	0.0
16	0.0	0.0	0.0	60.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
17	0.0	0.0	0.0	10.0	0.0	0.0	10.0	0.0	0.0	20.0	0.0	0.0
18	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	44.0
19	0.0	0.0	8.0	20.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0
20	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	40.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	25.0	10.0
22	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	47.0	15.0	0.0	0.0
23	0.0	0.0	7.0	0.0	0.0	0.0	0.0	6.0	0.0	40.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	14.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	20.0
26	0.0	0.0	28.0	38.0	42.0	0.0	0.0	0.0	13.0	15.0	10.0	20.0
27	0.0	0.0	5.0	0.0	20.0	0.0	0.0	0.0	12.0	18.0	25.0	0.0
28	0.0	20.0	10.0	0.0	35.0	0.0	0.0	0.0	0.0	20.0	0.0	10.0
29	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	20.0
30	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	10.0
31	0.0	0.0	30.0	0.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
Total	26.0	135.0	209.0	261.0	246.0	9.0	50.0	54.0	342.0	250.0	292.0	244.0
Días Ll.	3	6	16	12	10	1	3	5	12	15	14	14

Estación : LA ORIENTAL  
Año : 1998

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	0.0	0.0	25.0	1.0	15.0	5.0	0.0	0.0	0.0	0.0	0.0	7.0
2	0.0	0.0	0.0	2.0	7.0	0.0	3.0	0.0	10.0	0.0	0.0	0.0
3	0.0	0.0	0.0	10.0	23.0	2.0	45.0	6.0	35.0	35.0	7.0	0.0
4	0.0	0.0	0.0	0.0	36.0	8.0	17.0	0.0	0.0	35.0	32.0	0.0
5	3.0	0.0	0.0	10.0	0.0	0.0	7.0	16.0	0.0	35.0	0.0	2.0
6	5.0	0.0	0.0	38.0	0.0	2.0	10.0	10.0	0.0	1.0	28.0	4.0
7	23.0	42.0	25.0	0.0	0.0	4.0	1.0	51.0	1.0	0.0	0.0	1.0
8	0.0	37.0	2.0	0.0	0.0	0.0	15.0	0.0	10.0	0.0	6.0	0.0
9	0.0	2.0	0.0	2.0	0.0	2.0	0.0	0.0	0.0	0.0	34.0	37.0
10	0.0	6.0	0.0	2.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	9.0
11	0.0	0.0	0.0	23.0	24.0	0.0	0.0	0.0	0.0	0.0	3.0	7.0
12	0.0	0.0	0.0	12.0	0.0	0.0	3.0	0.0	63.0	2.0	19.0	4.0
13	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	0.0	8.0	0.0
14	0.0	0.0	0.0	0.0	0.0	8.0	0.0	11.0	30.0	22.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	16.0	3.0	0.0	0.0	0.0	9.0	0.0
16	0.0	0.0	5.0	0.0	15.0	0.0	49.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	16.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
18	0.0	0.0	0.0	32.0	0.0	0.0	21.0	0.0	0.0	1.0	0.0	7.0
19	0.0	0.0	0.0	42.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	2.0	0.0	14.0	0.0	3.0	12.0	0.0
21	0.0	0.0	0.0	4.0	0.0	18.0	0.0	28.0	24.0	4.0	7.0	4.0
22	0.0	0.0	30.0	0.0	0.0	12.0	0.0	0.0	6.0	3.0	0.0	2.0
23	18.0	16.0	1.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	6.0	36.0
24	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	1.0	10.0	11.0	7.0
25	0.0	0.0	2.0	8.0	6.0	0.0	1.0	20.0	11.0	23.0	4.0	3.0
26	0.0	0.0	1.0	4.0	32.0	0.0	0.0	25.0	35.0	0.0	10.0	10.0
27	0.0	0.0	16.0	25.0	36.0	2.0	41.0	0.0	0.0	29.0	47.0	20.0
28	0.0	0.0	4.0	0.0	30.0	5.0	15.0	11.0	0.0	9.0	20.0	2.0
29	0.0	28.0	23.0	18.0	0.0	4.0	0.0	0.0	0.0	3.0	14.0	0.0
30	0.0	42.0	16.0	0.0	0.0	12.0	2.0	0.0	10.0	1.0	0.0	0.0
31	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0

Total 50.0 103.0 181.0 270.0 251.0 86.0 251.0 204.0 230.0 235.0 278.0 162.0 Anual 2301.0  
Días Ll. 5 5 12 18 13 13 18 14 13 18 19 17

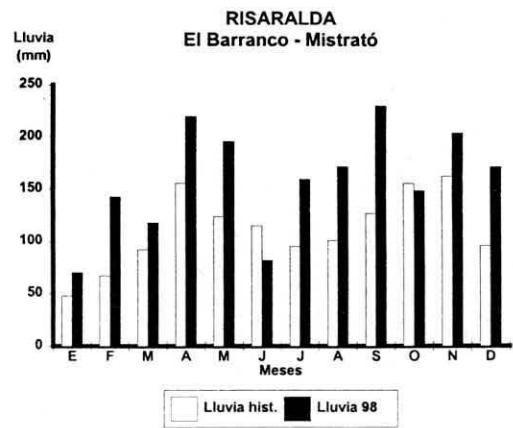
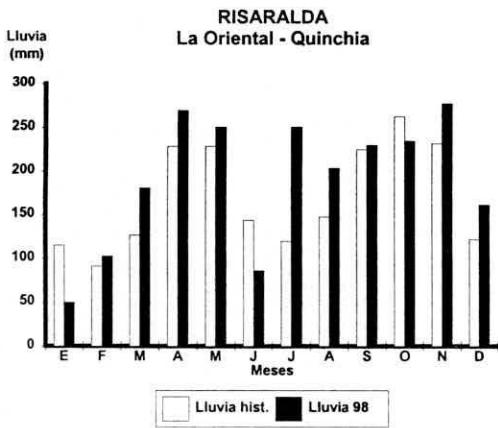
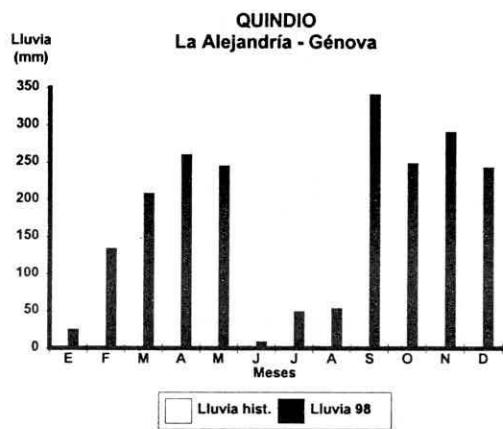
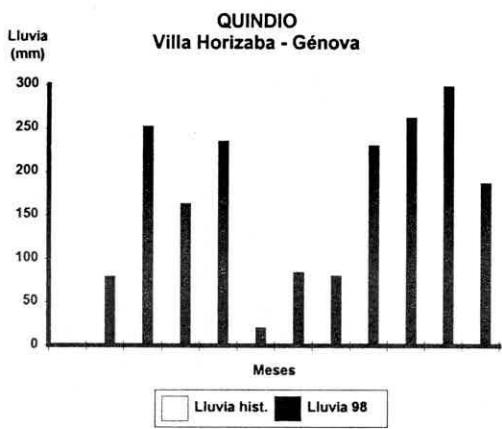
Estación : EL BARRANCO  
Año : 1998

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	0.0	0.0	35.0	10.0	10.0	0.0	0.0	0.0	4.0	3.0	3.0	15.0
2	0.0	0.0	0.0	10.0	6.0	0.0	0.0	4.0	0.0	0.0	5.0	10.0
3	0.0	7.0	0.0	5.0	25.0	0.0	10.0	16.0	15.0	21.0	4.0	0.0
4	0.0	8.0	0.0	1.0	25.0	0.0	10.0	20.0	20.0	5.0	3.0	4.0
5	0.0	10.0	0.0	1.0	6.0	0.0	0.0	4.0	10.0	0.0	10.0	0.0
6	0.0	20.0	0.0	3.0	6.0	0.0	0.0	8.0	20.0	0.0	8.0	5.0
7	0.0	12.0	0.0	10.0	0.0	0.0	0.0	0.0	25.0	10.0	0.0	7.0
8	0.0	40.0	0.0	5.0	0.0	2.0	0.0	3.0	30.0	0.0	5.0	6.0
9	0.0	22.0	0.0	12.0	0.0	0.0	10.0	2.0	10.0	3.0	6.0	0.0
10	0.0	0.0	0.0	5.0	0.0	0.0	10.0	0.0	4.0	0.0	5.0	2.0
11	0.0	0.0	0.0	8.0	0.0	0.0	10.0	10.0	5.0	5.0	4.0	0.0
12	0.0	0.0	0.0	10.0	0.0	0.0	6.0	3.0	20.0	5.0	10.0	0.0
13	25.0	0.0	0.0	0.0	0.0	10.0	6.0	0.0	10.0	10.0	5.0	7.0
14	0.0	0.0	0.0	0.0	0.0	15.0	4.0	4.0	10.0	0.0	3.0	2.0
15	0.0	0.0	0.0	0.0	0.0	15.0	3.0	20.0	0.0	5.0	10.0	0.0
16	0.0	0.0	0.0	12.0	0.0	0.0	5.0	5.0	0.0	4.0	5.0	10.0
17	0.0	0.0	0.0	0.0	0.0	0.0	4.0	10.0	10.0	0.0	4.0	15.0
18	0.0	0.0	22.0	8.0	1.0	0.0	5.0	0.0	5.0	4.0	3.0	6.0
19	0.0	0.0	0.0	12.0	0.0	0.0	0.0	3.0	4.0	10.0	2.0	0.0
20	0.0	0.0	0.0	0.0	0.0	10.0	0.0	2.0	4.0	7.0	7.0	2.0
21	35.0	0.0	12.0	2.0	0.0	5.0	20.0	0.0	0.0	5.0	10.0	7.0
22	0.0	24.0	0.0	8.0	1.0	0.0	45.0	5.0	5.0	6.0	10.0	8.0
23	0.0	0.0	12.0	8.0	10.0	0.0	5.0	4.0	4.0	4.0	15.0	10.0
24	0.0	0.0	0.0	10.0	10.0	0.0	7.0	10.0	5.0	2.0	25.0	5.0
25	0.0	0.0	0.0	30.0	17.0	10.0	0.0	15.0	4.0	10.0	10.0	4.0
26	0.0	0.0	17.0	20.0	10.0	5.0	0.0	2.0	0.0	5.0	4.0	7.0
27	0.0	0.0	5.0	0.0	13.0	10.0	0.0	5.0	0.0	0.0	3.0	8.0
28	0.0	0.0	0.0	12.0	38.0	0.0	0.0	4.0	0.0	10.0	5.0	10.0
29	10.0	0.0	0.0	12.0	2.0	0.0	0.0	3.0	0.0	10.0	10.0	5.0
30	0.0	0.0	6.0	16.0	0.0	0.0	0.0	0.0	6.0	5.0	10.0	7.0
31	0.0	15.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	10.0	10.0

Total 70.0 143.0 118.0 220.0 196.0 82.0 160.0 172.0 230.0 149.0 204.0 172.0 Anual 1916.0  
Días Ll. 3 8 7 24 16 9 16 24 22 22 29 24



Estación : EL DIAMANTE  
Año : 1998

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	26.8	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.1	
2	0.0	0.0	0.0	9.3	15.0	9.9	0.0	0.0	0.0	0.0	24.6	0.0	
3	0.0	0.0	0.0	4.1	30.1	14.2	52.2	0.0	0.0	33.1	4.1	0.0	
4	0.0	0.0	0.0	8.2	5.2	0.0	9.1	0.0	0.0	22.3	26.8	0.0	
5	0.0	7.1	0.0	26.0	0.0	0.0	8.2	0.0	0.0	24.0	0.0	8.9	
6	3.5	59.1	0.0	0.0	0.0	0.0	20.3	16.1	0.0	3.4	0.0	0.0	
7	48.0	26.9	34.6	0.0	0.0	0.0	9.4	0.0	27.8	1.3	0.0	0.0	
8	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	0.0	0.0	
9	0.0	0.0	0.0	0.0	0.0	9.6	0.0	0.0	0.0	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	1.1	0.0	24.8	
11	0.0	11.9	0.0	0.0	13.4	0.0	0.0	0.0	0.0	2.5	0.0	0.0	
12	0.0	0.0	0.0	10.1	0.0	0.0	0.0	0.0	0.0	4.5	32.0	0.0	
13	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	26.9	0.0	8.5	0.0	
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.9	0.0	18.0	0.0	
15	0.0	0.0	0.0	0.0	0.0	0.0	1.1	20.3	0.0	18.6	1.2	0.0	
16	0.0	0.0	2.5	0.0	0.0	0.0	9.6	0.0	0.0	10.7	0.0	0.0	
17	0.0	0.0	0.0	15.4	0.0	0.0	20.4	0.0	0.0	1.2	0.0	19.9	
18	0.0	0.0	0.0	10.3	0.0	0.0	21.5	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	20.3	0.0	0.0	0.0	0.0	
20	0.0	0.0	0.0	0.0	42.3	0.0	16.2	0.0	0.0	0.0	0.0	0.0	
21	0.0	0.0	15.3	0.0	0.0	14.3	0.0	0.0	7.6	0.0	22.3	0.0	
22	0.0	13.5	16.4	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	
23	51.2	0.0	0.0	0.0	0.0	.6	0.0	0.0	0.0	22.6	0.0	0.0	
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	23.2	2.5	0.0	
25	0.0	0.0	0.0	0.0	0.0	.6	0.0	9.6	10.0	0.0	2.3	17.9	
26	0.0	0.0	6.2	60.1	23.1	0.0	0.0	29.0	20.0	14.8	6.7	0.0	
27	1.0	0.0	7.5	65.2	20.2	0.0	0.0	25.1	37.8	0.0	11.6	0.0	
28	0.0	0.0	47.5	30.3	56.7	0.0	27.8	0.0	17.0	0.0	12.7	2.6	
29	0.0	0.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	10.7	19.6	0.0	
30	0.0	0.0	27.1	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
31	0.0	0.0	30.1	0.0	20.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0	
Total	119.7	118.5	186.9	303.7	243.7	97.5	179.6	140.5	184.4	197.4	192.9	101.2	Anual 2066.0
Días Ll.	5	5	9	13	10	8	10	8	10	16	14	6	

Estación : BUENOS AIRES  
Año : 1998

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	0.0	0.0	20.0	1.0	16.0	3.0	0.0	10.0	0.0	0.0	0.0	16.0	
2	0.0	0.0	5.0	21.0	8.0	16.0	0.0	0.0	26.0	0.0	0.0	0.0	
3	0.0	0.0	0.0	13.0	20.0	0.0	18.0	0.0	0.0	13.0	0.0	0.0	
4	1.0	0.0	0.0	4.0	9.0	8.0	15.0	0.0	0.0	7.0	0.0	0.0	
5	0.0	0.0	0.0	0.0	2.0	16.0	0.0	8.0	0.0	21.0	0.0	9.0	
6	3.0	5.0	0.0	58.0	0.0	0.0	6.0	5.0	0.0	0.0	10.0	2.0	
7	0.0	22.0	12.0	0.0	0.0	0.0	0.0	17.0	3.0	24.0	0.0	20.0	
8	0.0	42.0	10.0	0.0	0.0	2.0	2.0	0.0	35.0	0.0	6.0	1.0	
9	0.0	25.0	8.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	4.0	15.0	
10	0.0	1.0	0.0	5.0	2.0	0.0	0.0	5.0	0.0	0.0	2.0	7.0	
11	0.0	2.0	0.0	9.0	0.0	0.0	0.0	0.0	28.0	0.0	22.0	4.0	
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0	0.0	0.0	4.0	
13	2.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	5.0	0.0	13.0	0.0	
14	5.0	0.0	0.0	0.0	1.0	0.0	0.0	5.0	20.0	0.0	0.0	0.0	
15	0.0	0.0	0.0	0.0	0.0	12.0	2.0	0.0	0.0	18.0	0.0	4.0	
16	0.0	0.0	2.0	0.0	0.0	2.0	21.0	0.0	0.0	11.0	1.0	0.0	
17	0.0	0.0	0.0	10.0	2.0	0.0	6.0	2.0	0.0	3.0	0.0	0.0	
18	0.0	0.0	0.0	15.0	0.0	0.0	22.0	1.0	0.0	0.0	0.0	15.0	
19	0.0	0.0	0.0	19.0	8.0	0.0	0.0	1.0	0.0	12.0	1.0	1.0	
20	0.0	0.0	0.0	0.0	0.0	9.0	0.0	9.0	0.0	0.0	22.0	0.0	
21	0.0	0.0	0.0	27.0	0.0	8.0	0.0	0.0	1.0	12.0	4.0	0.0	
22	0.0	0.0	15.0	0.0	0.0	0.0	10.0	0.0	12.0	0.0	1.0	2.0	
23	37.0	10.0	1.0	2.0	0.0	0.0	5.0	0.0	11.0	7.0	0.0	0.0	
24	4.0	0.0	0.0	0.0	2.0	0.0	0.0	14.0	0.0	19.0	10.0	16.0	
25	0.0	0.0	0.0	1.0	16.0	0.0	0.0	18.0	22.0	8.0	4.0	0.0	
26	0.0	0.0	2.0	26.0	29.0	0.0	0.0	10.0	33.0	0.0	0.0	0.0	
27	6.0	2.0	5.0	0.0	20.0	0.0	9.0	0.0	0.0	4.0	5.0	0.0	
28	0.0	0.0	21.0	67.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	
29	0.0	15.0	13.0	0.0	0.0	1.0	0.0	0.0	0.0	6.0	0.0	0.0	
30	2.0	34.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	0.0	0.0	
31	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	
Total	60.0	109.0	129.0	265.0	209.0	76.0	126.0	105.0	219.0	183.0	123.0	104.0	Anual 1708.0
Días Ll.	8	8	12	18	15	9	14	13	12	15	15	15	

Estación : LOS CAMBULOS  
Año : 1998

Dpto. : RISARALDA  
Mpio. : BELEN DE UMBRIA

Latitud : 5 ° 75' N  
Longitud : 75 ° 53' W  
Altitud : 1400 m

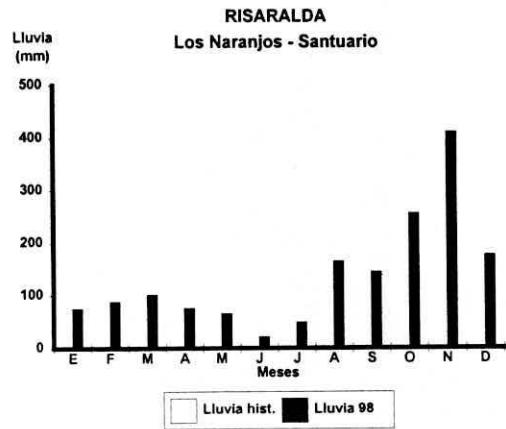
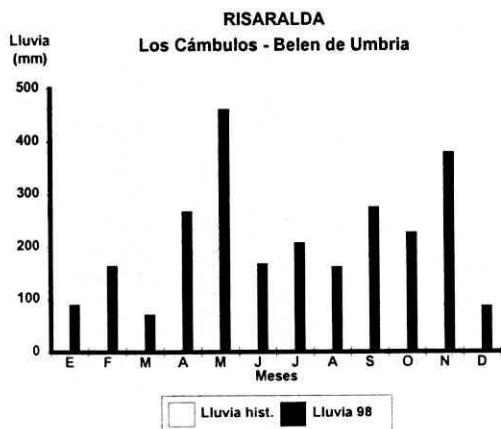
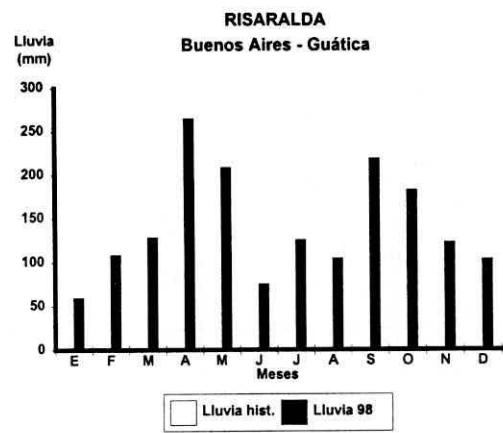
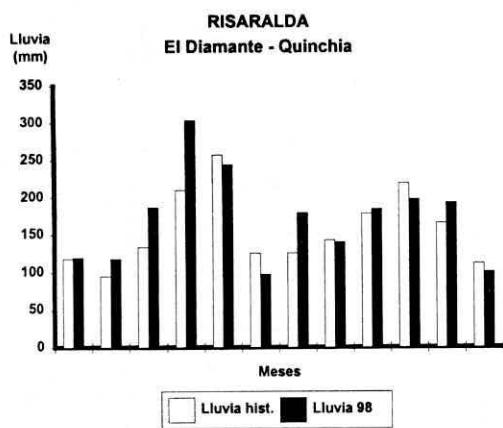
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	16.0	0.0	28.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	38.0	88.0	2.0	0.0	0.0	5.0	0.0	0.0	0.0
3	0.0	0.0	0.0	3.0	0.0	0.0	14.0	0.0	8.0	0.0	3.0	0.0
4	30.0	0.0	0.0	0.0	23.0	2.0	39.0	10.0	11.0	0.0	10.0	4.0
5	0.0	0.0	0.0	4.0	0.0	8.0	0.0	5.0	0.0	2.0	55.0	11.0
6	0.0	34.0	4.0	0.0	0.0	0.0	6.0	10.0	5.0	10.0	57.0	0.0
7	0.0	73.0	3.0	0.0	0.0	0.0	0.0	5.0	33.0	0.0	0.0	7.0
8	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	20.0	0.0	25.0	5.0
10	0.0	22.0	0.0	7.0	15.0	5.0	14.0	17.0	0.0	0.0	12.0	0.0
11	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	7.0	0.0	0.0	8.0
12	5.0	0.0	0.0	19.0	0.0	0.0	0.0	5.0	53.0	0.0	0.0	0.0
13	0.0	25.0	0.0	21.0	0.0	8.0	0.0	10.0	0.0	0.0	5.0	10.0
14	0.0	0.0	0.0	0.0	0.0	20.0	0.0	12.0	24.0	10.0	0.0	3.0
15	0.0	0.0	0.0	0.0	0.0	24.0	12.0	0.0	2.0	0.0	8.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0	40.0	0.0
17	0.0	0.0	0.0	0.0	2.0	0.0	28.0	10.0	0.0	60.0	10.0	10.0
18	0.0	0.0	0.0	4.0	0.0	0.0	0.0	2.0	0.0	20.0	25.0	15.0
19	0.0	0.0	0.0	20.0	0.0	0.0	0.0	12.0	5.0	10.0	8.0	0.0
20	0.0	0.0	7.0	0.0	0.0	3.0	10.0	0.0	0.0	15.0	10.0	0.0
21	0.0	0.0	0.0	0.0	0.0	82.0	0.0	0.0	8.0	0.0	40.0	0.0
22	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	25.0	3.0	0.0
23	30.0	0.0	7.0	3.0	0.0	2.0	20.0	0.0	2.0	0.0	5.0	3.0
24	0.0	0.0	7.0	9.0	19.0	0.0	0.0	5.0	0.0	30.0	0.0	0.0
25	0.0	0.0	0.0	0.0	40.0	0.0	0.0	42.0	43.0	40.0	4.0	10.0
26	0.0	0.0	4.0	25.0	58.0	3.0	0.0	5.0	50.0	0.0	3.0	0.0
27	4.0	10.0	8.0	26.0	100.0	2.0	2.0	0.0	0.0	3.0	8.0	0.0
28	0.0	0.0	0.0	0.0	114.0	0.0	10.0	0.0	0.0	0.0	10.0	0.0
29	0.0	0.0	0.0	73.0	0.0	0.0	9.0	0.0	0.0	0.0	35.0	0.0
30	5.0	3.0	3.0	0.0	0.0	0.0	10.0	0.0	2.0	0.0	0.0	0.0
31	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
Total	90.0	164.0	71.0	268.0	461.0	168.0	208.0	162.0	276.0	227.0	379.0	Anual 2560.0
Días Ll.	6	5	9	16	10	14	14	16	15	12	22	11

Estación : LOS NARANJOS  
Año : 1998

Dpto. : RISARALDA  
Mpio. : SANTUARIO

Latitud : 5 ° 76' N  
Longitud : 76 ° 0' W  
Altitud : 1580 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.0
2	0.0	0.0	0.0	3.0	15.0	0.0	0.0	0.0	9.0	0.0	0.0	26.0
3	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	3.0	0.0	0.0	9.0
4	0.0	0.0	0.0	0.0	2.0	2.0	0.0	27.0	0.0	0.0	27.0	0.0
5	8.0	0.0	0.0	10.0	4.0	0.0	0.0	6.0	0.0	13.0	13.0	4.0
6	48.0	0.0	15.0	1.0	0.0	0.0	0.0	9.0	0.0	3.0	3.0	26.0
7	0.0	78.0	11.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	7.0	2.0
8	0.0	5.0	3.0	0.0	0.0	0.0	0.0	5.0	10.0	0.0	5.0	7.0
9	0.0	3.0	0.0	1.0	0.0	0.0	0.0	3.0	8.0	0.0	44.0	0.0
10	0.0	2.0	0.0	0.0	2.0	2.0	9.0	0.0	0.0	0.0	12.0	8.0
11	10.0	0.0	0.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	5.0
12	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	23.0	3.0	10.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	3.0	0.0	0.0
14	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	30.0	0.0	15.0	2.0
15	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	18.0	25.0	7.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0
17	0.0	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	40.0	5.0	0.0
18	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	20.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	12.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	0.0	19.0	24.0	19.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	9.0	40.0	0.0
22	0.0	0.0	10.0	0.0	0.0	2.0	3.0	0.0	18.0	8.0	29.0	4.0
23	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	7.0	0.0
24	0.0	0.0	0.0	0.0	5.0	0.0	0.0	9.0	0.0	11.0	20.0	0.0
25	0.0	0.0	15.0	0.0	2.0	0.0	2.0	13.0	13.0	28.0	3.0	0.0
26	0.0	0.0	0.0	22.0	8.0	0.0	0.0	11.0	18.0	13.0	5.0	0.0
27	0.0	0.0	8.0	0.0	6.0	4.0	0.0	0.0	4.0	10.0	42.0	9.0
28	0.0	0.0	3.0	0.0	0.0	3.0	12.0	0.0	0.0	0.0	39.0	0.0
29	0.0	5.0	0.0	1.0	2.0	11.0	0.0	4.0	11.0	5.0	0.0	0.0
30	0.0	5.0	0.0	6.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	10.0	9.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
Total	75.0	88.0	102.0	76.0	65.0	22.0	49.0	165.0	145.0	257.0	411.0	Anual 1632.0
Días Ll.	4	4	12	10	12	6	5	15	11	18	24	15



Estación : LA PALMERA  
Año : 1998

Dpto. : RISARALDA  
Mpio. : MARSELLA

Latitud : 5 ° 75' N  
Longitud : 45 ° 45' W  
Altitud : 1500 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1				8.0	10.0	3.0	0.0	0.0	2.0	0.0	16.0	3.0
2				58.0	21.0	3.0	0.0	0.0	46.0	0.0	0.0	9.0
3				2.0	29.0	1.0	12.0	0.0	2.0	0.0	2.0	5.0
4				0.0	28.0	1.0	22.0	42.0	0.0	2.0	6.0	0.0
5				0.0	4.0	0.0	12.0	9.0	0.0	56.0	9.0	1.0
6				20.0	11.0	31.0	9.0	1.0	0.0	0.0	6.0	12.0
7				0.0	2.0	0.0	0.0	31.0	0.0	7.0	4.0	8.0
8				0.0	0.0	9.0	9.0	0.0	5.0	2.0	0.0	0.0
9				5.0	0.0	7.0	18.0	0.0	2.0	0.0	35.0	0.0
10				47.0	0.0	0.0	0.0	15.0	0.0	0.0	3.0	18.0
11				0.0	30.0	0.0	3.0	0.0	25.0	0.0	6.0	29.0
12				0.0	3.0	0.0	0.0	0.0	43.0	0.0	8.0	3.0
13				26.0	0.0	47.0	3.0	28.0	25.0	0.0	3.0	1.0
14				0.0	2.0	13.0	11.0	4.0	23.0	2.0	6.0	1.0
15				0.0	0.0	11.0	24.0	0.0	0.0	0.0	24.0	18.0
16				0.0	0.0	7.0	23.0	0.0	0.0	25.0	3.0	0.0
17				46.0	1.0	19.0	23.0	0.0	3.0	0.0	10.0	0.0
18				2.0	3.0	0.0	32.0	0.0	0.0	2.0	20.0	19.0
19				18.0	0.0	0.0	12.0	45.0	0.0	0.0	43.0	0.0
20				4.0	0.0	3.0	0.0	10.0	0.0	15.0	24.0	4.0
21				11.0	0.0	1.0	4.0	4.0	47.0	3.0	14.0	2.0
22				8.0	0.0	12.0	0.0	0.0	56.0	5.0	0.0	0.0
23				4.0	0.0	15.0	0.0	2.0	6.0	17.0	2.0	0.0
24				11.0	0.0	0.0	0.0	12.0	3.0	3.0	28.0	0.0
25				10.0	31.0	0.0	2.0	3.0	27.0	30.0	9.0	4.0
26				0.0	36.0	0.0	0.0	5.0	0.0	0.0	0.0	35.0
27				2.0	23.0	15.0	12.0	5.0	0.0	0.0	3.0	3.0
28				4.0	22.0	3.0	9.0	2.0	0.0	14.0	2.0	5.0
29				2.0	2.0	0.0	17.0	3.0	0.0	26.0	19.0	0.0
30				4.0	0.0	0.0	1.0	0.0	2.0	5.0	2.0	0.0
31					16.0		0.0	0.0		5.0		4.0
Total				292.0	274.0	201.0	258.0	221.0	317.0	219.0	307.0	184.0
Días Ll.				20	18	18	20	17	16	17	26	20

Estación : LA TRIBUNA  
Año : 1998

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	0.0	0.0	0.0	12.0	80.0	0.0	10.0	0.0	0.0	10.0	7.0	0.0
2	0.0	7.0	0.0	10.0	44.0	20.0	0.0	0.0	10.0	8.0	0.0	10.0
3	0.0	0.0	2.0	20.0	7.0	5.0	35.0	57.0	0.0	0.0	10.0	3.0
4	0.0	0.0	0.0	0.0	0.0	0.0	25.0	6.0	0.0	0.0	6.0	0.0
5	0.0	0.0	7.0	30.0	7.0	0.0	20.0	0.0	0.0	20.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	15.0	38.0	0.0	0.0	0.0	0.0	7.0
7	10.0	78.0	0.0	8.0	10.0	0.0	0.0	0.0	30.0	10.0	0.0	0.0
8	0.0	0.0	12.0	0.0	0.0	0.0	0.0	20.0	0.0	20.0	38.0	0.0
9	9.0	0.0	0.0	20.0	0.0	25.0	0.0	0.0	15.0	30.0	5.0	0.0
10	0.0	0.0	17.0	10.0	0.0	3.0	8.0	0.0	10.0	0.0	10.0	10.0
11	10.0	0.0	34.0	52.0	0.0	0.0	0.0	0.0	0.0	9.0	4.0	11.0
12	0.0	0.0	0.0	10.0	0.0	0.0	0.0	30.0	20.0	0.0	0.0	0.0
13	0.0	33.0	0.0	0.0	0.0	0.0	18.0	10.0	0.0	0.0	20.0	0.0
14	0.0	0.0	0.0	30.0	0.0	15.0	0.0	0.0	50.0	10.0	50.0	6.0
15	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	30.0	4.0	5.0	0.0
16	0.0	0.0	10.0	20.0	0.0	0.0	30.0	7.0	10.0	20.0	0.0	0.0
17	0.0	0.0	7.0	10.0	0.0	0.0	0.0	4.0	0.0	0.0	15.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0
19	0.0	13.0	0.0	30.0	0.0	30.0	0.0	0.0	0.0	10.0	3.0	0.0
20	0.0	0.0	8.0	10.0	0.0	10.0	0.0	10.0	78.0	70.0	10.0	10.0
21	0.0	0.0	0.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
22	0.0	7.0	0.0	30.0	0.0	0.0	0.0	0.0	28.0	0.0	15.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	50.0	12.0	10.0	0.0
24	0.0	0.0	20.0	10.0	25.0	10.0	0.0	10.0	0.0	11.0	30.0	21.0
25	0.0	3.0	0.0	7.0	17.0	0.0	0.0	0.0	10.0	21.0	10.0	0.0
26	7.0	0.0	0.0	0.0	30.0	30.0	20.0	20.0	0.0	0.0	4.0	0.0
27	0.0	0.0	7.0	15.0	25.0	10.0	10.0	10.0	20.0	20.0	3.0	23.0
28	0.0	0.0	30.0	18.0	70.0	0.0	0.0	0.0	10.0	30.0	10.0	0.0
29	0.0	50.0	0.0	40.0	30.0	0.0	20.0	0.0	0.0	10.0	7.0	0.0
30	0.0	15.0	20.0	20.0	20.0	0.0	0.0	4.0	0.0	5.0	7.0	0.0
31	0.0	22.0		10.0		0.0	5.0	0.0		0.0		0.0
Total	36.0	141.0	241.0	402.0	385.0	223.0	234.0	243.0	386.0	330.0	279.0	101.0
Días Ll.	4	6	14	22	13	13	11	15	15	19	22	9

Anual  
3001.0

Estación : EL CASTILLO  
Año : 1998

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	0.0	10.0	1.0	16.0	6.0	0.0	0.0	0.0	9.0	0.0	16.0
2	0.0	0.0	11.0	29.0	23.0	14.0	11.0	0.0	76.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	135.0	0.0	23.0	0.0	12.0	6.0	5.0	6.0
4	0.0	0.0	0.0	2.0	13.0	0.0	29.0	21.0	0.0	7.0	14.0	0.0
5	0.0	0.0	0.0	0.0	4.0	0.0	17.0	16.0	0.0	23.0	25.0	5.0
6	13.0	0.0	0.0	0.0	0.0	23.0	43.0	7.0	0.0	25.0	2.0	20.0
7	0.0	0.0	13.0	5.0	1.0	3.0	18.0	22.0	5.0	16.0	0.0	0.0
8	0.0	0.0	6.0	0.0	0.0	11.0	25.0	6.0	6.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	4.0	8.0	11.0	24.0	0.0	18.0	0.0
10	0.0	95.0	29.0	3.0	0.0	0.0	3.0	4.0	8.0	0.0	0.0	7.0
11	0.0	0.0	0.0	7.0	4.0	0.0	27.0	0.0	17.0	0.0	0.0	17.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0	0.0	5.0	4.0
13	0.0	40.0	0.0	46.0	0.0	0.0	3.0	43.0	43.0	0.0	29.0	0.0
14	0.0	0.0	0.0	0.0	3.0	52.0	0.0	37.0	32.0	0.0	0.0	13.0
15	0.0	0.0	0.0	42.0	0.0	25.0	44.0	0.0	0.0	0.0	0.0	7.0
16	0.0	0.0	0.0	0.0	0.0	0.0	29.0	0.0	0.0	13.0	0.0	0.0
17	0.0	0.0	0.0	24.0	6.0	0.0	52.0	6.0	14.0	3.0	32.0	1.0
18	0.0	0.0	0.0	5.0	17.0	3.0	47.0	0.0	0.0	4.0	0.0	9.0
19	0.0	0.0	0.0	11.0	0.0	3.0	4.0	53.0	23.0	18.0	0.0	0.0
20	0.0	0.0	4.0	6.0	0.0	12.0	0.0	0.0	0.0	13.0	26.0	13.0
21	0.0	0.0	2.0	6.0	0.0	26.0	6.0	0.0	10.0	28.0	0.0	0.0
22	0.0	2.0	3.0	0.0	0.0	11.0	18.0	8.0	67.0	30.0	7.0	4.0
23	0.0	0.0	2.0	9.0	0.0	27.0	0.0	11.0	12.0	47.0	0.0	0.0
24	0.0	0.0	0.0	64.0	9.0	0.0	0.0	13.0	13.0	45.0	0.0	0.0
25	0.0	0.0	1.0	0.0	24.0	0.0	3.0	17.0	5.0	43.0	31.0	47.0
26	0.0	0.0	73.0	32.0	22.0	0.0	0.0	4.0	6.0	0.0	19.0	0.0
27	0.0	0.0	34.0	0.0	43.0	17.0	9.0	11.0	0.0	0.0	47.0	11.0
28	0.0	0.0	11.0	9.0	51.0	13.0	3.0	0.0	0.0	29.0	32.0	5.0
29	0.0	0.0	18.0	0.0	7.0	0.0	5.0	21.0	0.0	48.0	23.0	0.0
30	0.0	0.0	7.0	0.0	17.0	0.0	24.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	34.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	16.0	0.0
Total	13.0	137.0	258.0	301.0	395.0	250.0	451.0	311.0	402.0	422.0	315.0	201.0
Días Ll.	1	3	16	17	17	16	23	18	18	19	15	17

Anual  
3456.0

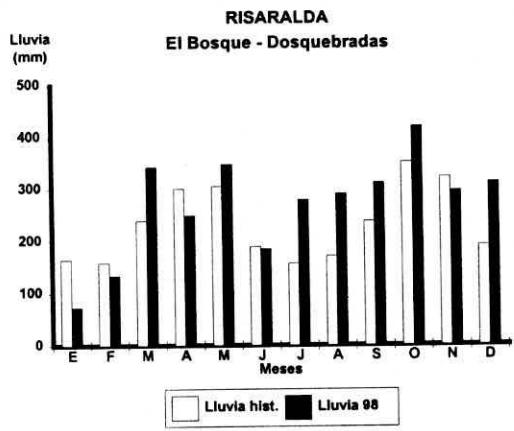
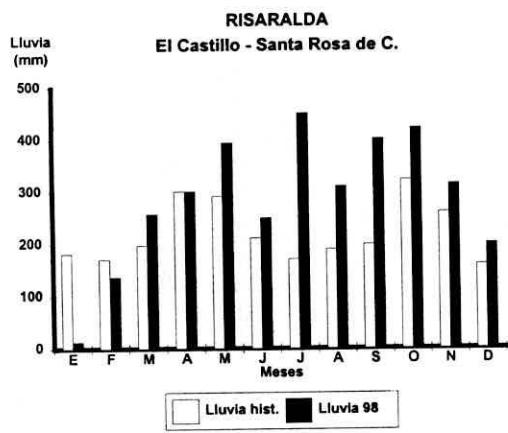
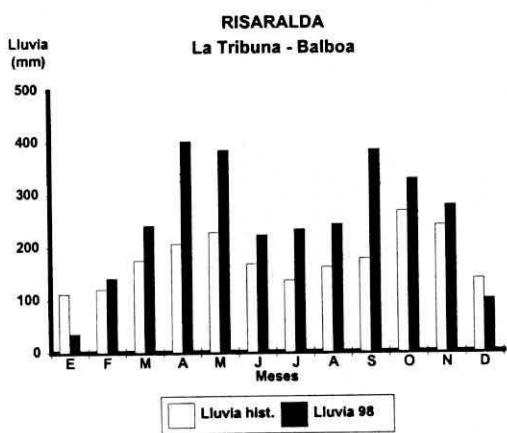
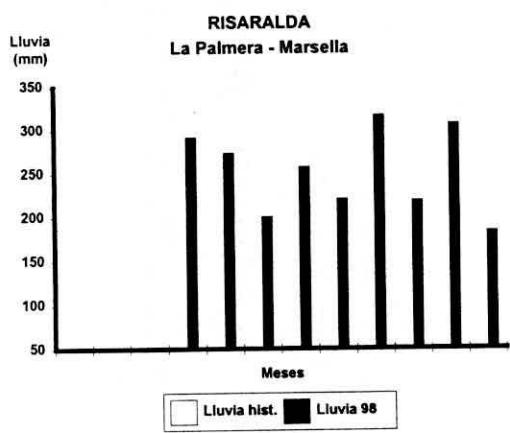
Estación : EL BOSQUE  
Año : 1998

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	67.0	7.0	7.0	0.0	35.0	5.0	0.0	0.0	10.0	31.0	0.0	16.0
2	0.0	0.0	18.0	34.0	26.0	4.0	0.0	23.0	20.0	16.0	0.0	15.0
3	0.0	11.0	10.0	5.0	74.0	2.0	36.0	0.0	30.0	13.0	0.0	0.0
4	0.0	0.0	4.0	0.0	10.0	7.0	14.0	28.0	10.0	16.0	0.0	0.0
5	0.0	22.0	7.0	0.0	2.0	54.0	17.0	11.0	0.0	22.0	0.0	5.0
6	6.0	0.0	0.0	24.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	55.0
7	0.0	53.0	3.0	0.0	0.0	0.0	15.0	0.0	0.0	24.0	10.0	0.0
8	0.0	7.0	6.0	0.0	0.0	17.0	0.0	0.0	15.0	0.0	15.0	0.0
9	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	36.0	22.0	0.0
10	0.0	3.0	72.0	24.0	7.0	0.0	0.0	0.0	5.0	32.0	0.0	1.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	1.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	20.0	25.0	13.0	39.0
13	0.0	20.0	0.0	48.0	0.0	0.0	0.0	0.0	5.0	0.0	6.0	0.0
14	0.0	2.0	0.0	0.0	35.0	10.0	0.0	30.0	6.0	13.0	10.0	0.0
15	0.0	0.0	0.0	18.0	0.0	10.0	56.0	10.0	2.0	10.0	22.0	7.0
16	0.0	0.0	9.0	4.0	0.0	0.0	10.0	14.0	3.0	11.0	14.0	0.0
17	0.0	0.0	0.0	7.0	0.0	0.0	63.0	0.0	10.0	15.0	30.0	0.0
18	0.0	3.0	0.0	3.0	0.0	0.0	15.0	10.0	3.0	9.0	16.0	47.0
19	0.0	0.0	0.0	6.0	0.0	0.0	0.0	15.0	4.0	15.0	40.0	49.0
20	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	1.0	23.0	11.0	8.0
21	0.0	0.0	0.0	10.0	0.0	32.0	0.0	7.0	2.0	13.0	7.0	0.0
22	0.0	0.0	7.0	13.0	0.0	3.0	0.0	4.0	0.0	46.0	6.0	10.0
23	0.0	0.0	24.0	18.0	0.0	0.0	0.0	0.0	0.0	20.0	12.0	0.0
24	0.0	0.0	20.0	7.0	34.0	0.0	0.0	34.0	0.0	18.0	7.0	0.0
25	0.0	4.0	27.0	12.0	15.0	0.0	2.0	10.0	51.0	3.0	9.0	0.0
26	0.0	0.0	13.0	9.0	10.0	16.0	40.0	13.0	30.0	0.0	14.0	2.0
27	0.0	0.0	0.0	0.0	28.0	15.0	0.0	0.0	28.0	0.0	10.0	3.0
28	0.0	0.0	67.0	0.0	48.0	10.0	0.0	0.0	21.0	0.0	13.0	14.0
29	0.0	0.0	19.0	0.0	11.0	0.0	7.0	49.0	33.0	0.0	5.0	40.0
30	0.0	0.0	30.0	2.0	5.0	0.0	2.0	10.0	0.0	4.0	4.0	0.0
31	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
Total	73.0	134.0	343.0	249.0	348.0	185.0	279.0	291.0	312.0	419.0	296.0	312.0
Días Ll.	2	11	17	18	16	13	13	17	22	23	22	16

Anual  
3241.0



Estación : COMBIA  
Año : 1998

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	10.0	20.0	7.0	0.0	0.0	3.0	0.0	5.0	20.0
2	0.0	0.0	0.0	13.0	81.0	8.0	7.0	1.0	26.0	0.0	0.0	34.0
3	0.0	40.0	0.0	5.0	43.0	0.0	35.0	0.0	.3	16.0	0.0	0.0
4	0.0	0.0	0.0	0.0	19.0	0.0	10.0	6.0	.1	0.0	2.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	34.0	5.0	0.0	13.0	5.0	29.0
6	0.0	10.0	10.0	15.0	0.0	4.0	10.0	3.0	0.0	0.0	19.0	15.0
7	0.0	40.0	2.0	5.0	14.0	0.0	0.0	12.0	8.0	0.0	0.0	2.0
8	0.0	5.0	0.0	0.0	0.0	2.0	55.0	0.0	.2	0.0	30.0	0.0
9	0.0	2.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	50.0	1.0
10	0.0	3.0	13.0	15.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	20.0
11	0.0	0.0	0.0	52.0	14.0	0.0	0.0	0.0	4.0	0.0	17.0	5.0
12	0.0	0.0	0.0	23.0	16.0	0.0	0.0	0.0	35.0	2.0	9.0	30.0
13	0.0	25.0	0.0	55.0	0.0	17.0	0.0	0.0	1.0	0.0	30.0	2.0
14	0.0	0.0	0.0	0.0	5.0	0.0	0.0	14.0	15.0	0.0	14.0	0.0
15	0.0	0.0	0.0	0.0	0.0	8.0	4.0	3.0	1.0	67.0	1.0	0.0
16	0.0	0.0	0.0	0.0	0.0	2.0	41.0	0.0	0.0	0.0	5.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	.1	8.0	35.0	0.0
18	0.0	0.0	0.0	2.0	0.0	0.0	31.0	0.0	.1	21.0	10.0	32.0
19	0.0	0.0	0.0	17.0	0.0	1.0	0.0	16.0	.6	6.0	30.0	0.0
20	0.0	0.0	12.0	3.0	0.0	0.0	0.0	40.0	.1	0.0	2.0	34.0
21	0.0	0.0	0.0	9.0	0.0	4.0	0.0	1.0	.3	5.0	23.0	0.0
22	0.0	0.0	1.0	0.0	0.0	17.0	2.0	0.0	17.0	5.0	6.0	0.0
23	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	.2	45.0	11.0	0.0
24	0.0	0.0	0.0	12.0	2.0	0.0	0.0	0.0	0.0	60.0	25.0	0.0
25	0.0	0.0	34.0	13.0	12.0	0.0	0.0	1.0	15.0	15.0	0.0	0.0
26	0.0	0.0	11.0	10.0	12.0	2.0	0.0	20.0	26.0	0.0	2.0	4.0
27	0.0	0.0	22.0	2.0	13.0	8.0	13.0	0.0	0.0	10.0	2.0	10.0
28	0.0	5.0	1.0	0.0	32.0	0.0	2.0	0.0	0.0	1.0	26.0	2.0
29	0.0	11.0	0.0	1.0	0.0	1.0	16.0	0.0	0.0	35.0	2.0	1.0
30	0.0	2.0	2.0	0.0	0.0	1.0	2.0	0.0	1.0	1.0	1.0	6.0
31	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	11.0	0.0	19.0	0.0
Total	0.0	130.0	135.0	263.0	289.0	80.0	263.0	142.0	153.0	321.0	363.0	Anual 2405.0
Días Ll.	0	8	12	18	15	12	16	15	20	17	26	18

Estación : LOS CAMBULOS  
Año : 1998

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	1.0	21.0	9.0	34.0	0.0	0.0	6.0	0.0	33.0	30.0
2	0.0	40.0	0.0	7.0	97.0	0.0	0.0	0.0	7.0	0.0	4.0	6.0
3	0.0	0.0	0.0	25.0	11.0	0.0	4.0	0.0	0.0	0.0	12.0	60.0
4	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	5.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	62.0	3.0	0.0	3.0	0.0	0.0
6	0.0	14.0	0.0	31.0	0.0	0.0	0.0	0.0	1.0	0.0	18.0	0.0
7	0.0	0.0	0.0	6.0	0.0	0.0	4.0	11.0	0.0	0.0	0.0	0.0
8	0.0	58.0	14.0	0.0	0.0	0.0	62.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	0.0
10	0.0	22.0	22.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0
11	0.0	0.0	0.0	23.0	11.0	0.0	0.0	0.0	7.0	0.0	6.0	0.0
12	0.0	0.0	0.0	51.0	0.0	0.0	0.0	9.0	17.0	0.0	0.0	0.0
13	0.0	42.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	22.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	7.0	0.0	0.0	0.0
15	0.0	0.0	0.0	7.0	0.0	23.0	0.0	0.0	0.0	47.0	0.0	2.0
16	0.0	0.0	0.0	2.0	6.0	0.0	23.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	44.0	0.0	0.0	0.0	0.0	0.0	55.0	19.0
19	0.0	0.0	0.0	44.0	0.0	0.0	0.0	9.0	16.0	3.0	6.0	0.0
20	0.0	0.0	15.0	22.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	2.0
21	0.0	0.0	0.0	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	19.0	30.0	0.0	32.0	0.0	36.0	0.0
23	0.0	0.0	26.0	0.0	0.0	13.0	2.0	0.0	0.0	23.0	10.0	0.0
24	0.0	0.0	0.0	29.0	0.0	0.0	3.0	5.0	0.0	25.0	4.0	29.0
25	0.0	0.0	0.0	45.0	38.0	0.0	0.0	32.0	20.0	21.0	0.0	0.0
26	0.0	0.0	1.0	0.0	71.0	0.0	5.0	20.0	12.0	0.0	0.0	0.0
27	0.0	0.0	36.0	0.0	7.0	0.0	0.0	0.0	13.0	0.0	4.0	0.0
28	0.0	0.0	0.0	0.0	16.0	0.0	28.0	0.0	0.0	6.0	0.0	0.0
29	0.0	26.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.0	0.0
30	0.0	10.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	4.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	176.0	151.0	417.0	270.0	93.0	230.0	115.0	143.0	128.0	264.0	205.0
Días Ll.	0	5	9	18	10	5	11	10	12	7	14	9

Estación : LA RENTA  
Año : 1998

Dpto. : RISARALDA  
Mpio. : PEREIRA

Latitud : 4 ° 75' N  
Longitud : 47 ° 47' W  
Altitud : 1190 m

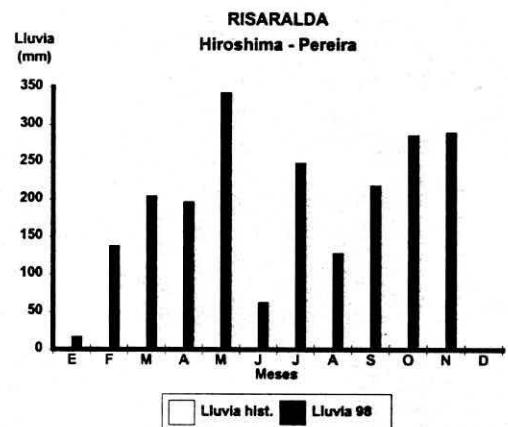
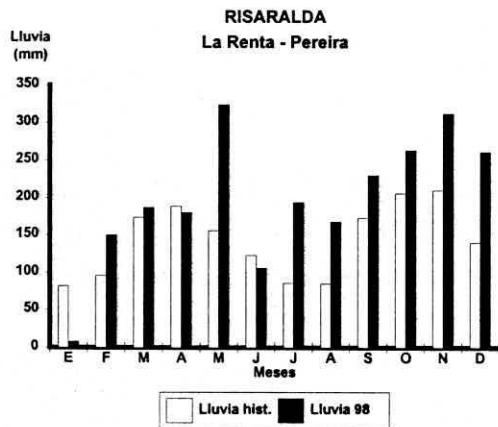
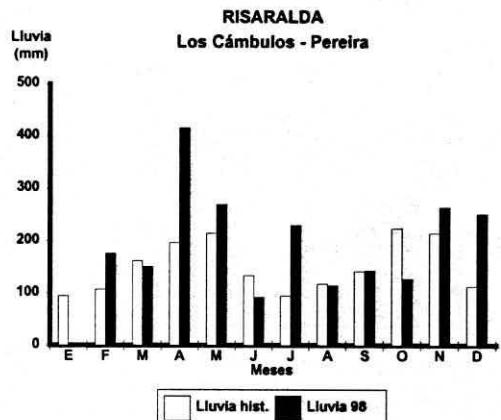
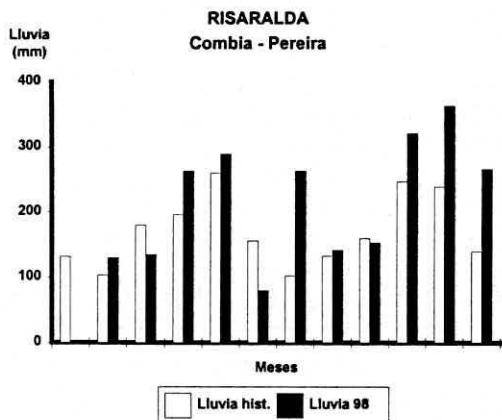
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	2.0	0.0	1.0	0.0	46.0	8.0	1.0	0.0	20.0	5.0	33.0	24.0
2	0.0	1.0	0.0	5.0	71.0	3.0	0.0	0.0	55.0	1.0	4.0	30.0
3	0.0	26.0	0.0	23.0	57.0	0.0	32.0	0.0	2.0	0.0	0.0	6.0
4	0.0	0.0	2.0	0.0	16.0	0.0	15.0	2.0	3.0	0.0	2.0	0.0
5	0.0	0.0	0.0	0.0	0.0	6.0	24.0	2.0	15.0	41.0	0.0	0.0
6	0.0	27.0	0.0	4.0	0.0	0.0	7.0	0.0	0.0	0.0	25.0	18.0
7	0.0	52.0	7.0	0.0	3.0	2.0	5.0	71.0	1.0	3.0	0.0	7.0
8	0.0	22.0	0.0	8.0	0.0	1.0	9.0	0.0	2.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	55.0	2.0
10	0.0	0.0	46.0	3.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0
11	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0	15.0
12	0.0	0.0	0.0	0.0	7.0	0.0	3.0	12.0	63.0	0.0	6.0	27.0
13	0.0	19.0	0.0	5.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
14	0.0	3.0	0.0	0.0	0.0	0.0	0.0	5.0	1.0	0.0	15.0	6.0
15	0.0	0.0	0.0	6.0	0.0	41.0	1.0	3.0	0.0	30.0	0.0	7.0
16	0.0	0.0	0.0	0.0	18.0	0.0	16.0	4.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	2.0	4.0	27.0	0.0
18	2.0	0.0	0.0	0.0	0.0	0.0	27.0	0.0	1.0	7.0	0.0	48.0
19	0.0	0.0	0.0	22.0	0.0	0.0	0.0	21.0	0.0	3.0	20.0	5.0
20	0.0	0.0	0.0	21.0	0.0	0.0	12.0	0.0	53.0	0.0	10.0	0.0
21	0.0	0.0	0.0	6.0	3.0	2.0	2.0	0.0	0.0	4.0	19.0	0.0
22	0.0	0.0	14.0	0.0	0.0	12.0	5.0	0.0	14.0	5.0	8.0	0.0
23	0.0	0.0	7.0	2.0	2.0	0.0	0.0	0.0	4.0	28.0	2.0	0.0
24	0.0	0.0	5.0	4.0	0.0	0.0	8.0	12.0	0.0	20.0	26.0	0.0
25	0.0	0.0	2.0	38.0	33.0	0.0	0.0	5.0	18.0	25.0	0.0	15.0
26	0.0	0.0	7.0	2.0	15.0	0.0	4.0	8.0	5.0	0.0	0.0	16.0
27	0.0	0.0	51.0	0.0	29.0	0.0	4.0	0.0	6.0	0.0	5.0	2.0
28	0.0	0.0	18.0	4.0	24.0	9.0	3.0	0.0	0.0	2.0	31.0	6.0
29	4.0	0.0	23.0	3.0	2.0	0.0	0.0	0.0	0.0	18.0	7.0	10.0
30	0.0	0.0	2.0	16.0	0.0	22.0	0.0	0.0	0.0	2.0	21.0	4.0
31	0.0	0.0	2.0	0.0	0.0	0.0	4.0	0.0	12.0	0.0	0.0	Anual
Total	8.0	150.0	187.0	180.0	324.0	106.0	194.0	168.0	230.0	263.0	312.0	261.0
Días Ll.	3	7	14	18	14	12	19	14	17	18	19	20

Estación : HIROSHIMA  
Año : 1998

Dpto. : RISARALDA  
Mpio. : PEREIRA

Latitud : 4 ° 75' N  
Longitud : 44 ° 44' W  
Altitud : 1340 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	12.7	0.0	27.8	0.0	10.8	0.0	0.0	0.0	0.0	18.7	0.0	0.0
2	0.0	0.0	9.3	17.4	76.1	5.6	0.0	0.0	60.4	9.1	0.0	0.0
3	0.0	26.7	0.0	6.4	78.3	0.0	0.0	0.0	9.8	0.0	0.0	0.0
4	0.0	0.0	7.3	0.0	0.0	0.0	43.0	3.6	0.0	0.0	4.0	0.0
5	0.0	0.0	0.0	11.2	0.0	0.0	33.9	7.6	4.3	25.5	0.0	0.0
6	0.0	21.8	0.0	0.0	0.0	6.2	11.1	0.0	0.0	.5	12.3	0.0
7	0.0	71.4	13.6	0.0	0.0	0.0	4.2	36.7	2.3	16.9	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	16.8	0.0
9	0.0	0.0	0.0	2.3	0.0	0.0	.4	0.0	3.4	0.0	53.7	0.0
10	0.0	3.8	4.7	4.2	0.0	0.0	0.0	8.7	7.4	0.0	1.4	0.0
11	0.0	0.0	0.0	22.6	0.0	0.0	0.0	0.0	2.7	0.0	1.2	0.0
12	0.0	0.0	0.0	13.2	0.0	0.0	11.2	7.2	38.1	0.0	3.4	0.0
13	0.0	14.9	0.0	0.0	0.0	0.0	0.0	0.0	1.1	.9	4.3	0.0
14	0.0	0.0	0.0	0.0	21.4	0.0	0.0	0.0	1.1	.4	27.9	0.0
15	0.0	0.0	0.0	4.3	.3	30.0	0.0	4.5	2.5	.1	5.3	0.0
16	0.0	0.0	2.3	0.0	0.0	.5	18.7	20.2	1.2	.2	3.8	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	19.1	.7	27.4	0.0
18	4.7	0.0	0.0	0.0	0.0	0.0	33.7	1.1	.5	10.4	2.1	0.0
19	0.0	0.0	0.0	12.9	0.0	0.0	5.3	15.5	0.0	40.9	3.1	0.0
20	0.0	0.0	0.0	16.7	10.5	0.0	0.0	0.0	0.0	.7	15.4	0.0
21	0.0	0.0	0.0	15.2	0.0	5.6	0.0	0.0	7.4	.4	36.9	0.0
22	0.0	0.0	8.1	0.0	0.0	13.0	12.9	0.0	25.8	12.3	.9	0.0
23	0.0	0.0	9.8	10.5	8.2	0.0	0.0	0.0	.3	24.6	3.8	0.0
24	0.0	0.0	21.0	0.0	0.0	0.0	11.3	8.9	0.0	32.4	20.9	0.0
25	0.0	0.0	9.6	40.5	0.0	0.0	1.3	6.4	26.2	24.6	9.4	0.0
26	0.0	0.0	5.1	0.0	17.7	0.0	10.8	2.1	5.2	.5	4.3	0.0
27	0.0	0.0	28.6	0.0	30.2	2.3	0.0	0.0	.4	2.2	12.7	0.0
28	0.0	0.0	6.5	0.0	50.7	0.0	3.2	0.0	0.0	4.5	10.2	0.0
29	0.0	45.2	8.6	2.1	0.0	0.0	6.1	0.0	37.7	8.7	0.0	0.0
30	0.0	6.2	11.7	0.0	0.0	4.3	0.0	0.0	.2	2.1	0.0	0.0
31	0.0	0.0	0.0	36.8	0.0	35.6	0.0	0.0	20.1	0.0	Anual	0.0
Total	17.4	138.6	205.1	197.7	343.1	63.2	249.3	128.6	219.2	286.4	289.9	0.0
Días Ll.	2	5	15	15	12	7	18	13	20	24	24	0.0



**Estación : EL SILENCIO**  
Año : 1998

Dpto. : SANTANDER  
Mpio. : RIONEGRO

Latitud : 7 ° 73' N  
Longitud : 13 ° 13' W  
Altitud : 1120 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	0.0	0.0	3.0	8.0	0.0	4.0	8.0	1.0	3.0	
2	0.0	0.0	0.0	6.0	0.0	8.0	0.0	0.0	40.0	0.0	10.0	
3	0.0	52.0	0.0	2.0	86.0	2.0	12.0	0.0	2.0	2.0	2.0	
4	0.0	10.0	0.0	4.0	8.0	10.0	6.0	0.0	0.0	0.0	0.0	17.0
5	0.0	8.0	10.0	13.0	1.0	1.0	0.0	13.0	0.0	7.0	0.0	
6	10.0	0.0	0.0	1.0	0.0	0.0	48.0	2.0	0.0	1.0	0.0	
7	7.0	135.0	0.0	0.0	4.0	4.0	0.0	0.0	0.0	0.0	1.0	
8	44.0	0.0	0.0	0.0	0.0	6.0	13.0	0.0	4.0	20.0	0.0	
9	0.0	9.0	3.0	0.0	17.0	5.0	0.0	0.0	2.0	1.0	5.0	
10	0.0	2.0	0.0	3.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	
11	0.0	0.0	0.0	40.0	0.0	6.0	0.0	0.0	0.0	1.0	2.0	
12	0.0	2.0	0.0	1.0	0.0	3.0	1.0	1.0	91.0	0.0	6.0	
13	0.0	0.0	0.0	9.0	0.0	0.0	2.0	0.0	0.0	6.0	3.0	
14	0.0	0.0	0.0	0.0	1.0	3.0	0.0	27.0	30.0	0.0	0.0	
15	0.0	0.0	2.0	0.0	0.0	8.0	9.0	9.0	0.0	0.0	0.0	
16	6.0	0.0	1.0	0.0	0.0	16.0	2.0	4.0	0.0	9.0	0.0	
17	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.0	0.0	46.0	1.0	
18	0.0	0.0	0.0	0.0	5.0	0.0	0.0	1.0	0.0	10.0	3.0	
19	0.0	0.0	0.0	28.0	5.0	10.0	15.0	2.0	0.0	1.0	10.0	
20	0.0	7.0	1.0	6.0	22.0	1.0	0.0	0.0	3.0	4.0	0.0	
21	0.0	0.0	0.0	5.0	0.0	2.0	0.0	0.0	8.0	0.0	31.0	
22	0.0	0.0	5.0	0.0	3.0	4.0	0.0	0.0	0.0	27.0	50.0	
23	0.0	42.0	0.0	29.0	6.0	0.0	13.0	0.0	4.0	2.0	1.0	
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	3.0	0.0	
25	0.0	0.0	0.0	0.0	92.0	0.0	0.0	0.0	10.0	0.0	2.0	
26	0.0	0.0	3.0	0.0	0.0	0.0	0.0	1.0	9.0	2.0	24.0	
27	1.0	0.0	9.0	0.0	29.0	0.0	1.0	1.0	0.0	1.0	0.0	
28	0.0	0.0	9.0	0.0	12.0	9.0	0.0	0.0	0.0	0.0	19.0	
29	0.0	0.0	51.0	0.0	0.0	0.0	0.0	0.0	10.0	9.0	3.0	
30	0.0	0.0	24.0	0.0	13.0	13.0	1.0	0.0	0.0	0.0	0.0	
31	0.0	0.0	0.0	2.0	0.0	12.0	2.0	0.0	0.0	0.0	0.0	
Total	68.0	267.0	94.0	171.0	296.0	119.0	150.0	72.0	229.0	153.0	191.0	Anual
Días LL.	5	9	10	14	16	19	14	15	15	19	18	

**Estación : COCAL**  
Año : 1998

Dpto. : SANTANDER  
Mpio. : RIONEGRO

Latitud : 7 ° 73' N  
Longitud : 16 ° 9' W  
Altitud : 700 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	0.0	0.0	28.0	3.0	0.0	0.0	8.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	30.0	18.0	0.0	0.0	10.0	5.0	0.0	
3	0.0	6.0	0.0	1.0	0.0	0.0	17.0	0.0	0.0	0.0	0.0	
4	0.0	0.0	0.0	1.0	10.0	0.0	20.0	0.0	0.0	20.0	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	0.0	
7	0.0	100.0	0.0	0.0	22.0	6.0	0.0	0.0	0.0	0.0	0.0	
8	0.0	58.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.0	20.0	0.0	
13	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	
14	0.0	0.0	12.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	
15	0.0	0.0	17.0	0.0	0.0	13.0	0.0	3.0	0.0	0.0	0.0	
16	8.0	0.0	0.0	0.0	25.0	0.0	0.0	18.0	0.0	0.0	0.0	
17	0.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0	5.0	5.0	0.0	
18	0.0	0.0	0.0	0.0	3.0	0.0	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	0.0	5.0	0.0	
20	0.0	0.0	37.0	34.0	5.0	0.0	0.0	0.0	10.0	10.0	22.0	
21	0.0	6.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	
22	0.0	10.0	0.0	0.0	5.0	0.0	0.0	0.0	5.0	0.0	0.0	
23	0.0	0.0	12.0	16.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	
24	0.0	8.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	
25	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	4.0	
26	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	30.0	
27	50.0	0.0	7.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	
28	0.0	0.0	8.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
29	0.0	0.0	7.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	28.0
30	0.0	0.0	0.0	34.0	0.0	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	10.0	0.0	0.0	0.0	
Total	58.0	195.0	100.0	113.0	174.0	70.0	40.0	34.0	118.0	77.0	102.0	Anual
Días LL.	2	7	7	7	13	6	3	4	6	8	5	

Estación : LOS COCOS  
Año : 1998

Dpto. : SANTANDER  
Mpio. : RIONEGRO

Latitud : 7 ° 73' N  
Longitud : 73 ° 7' W  
Altitud : 1300 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	0.0	0.0	3.0	9.0	0.0	0.0	32.0	0.0	2.0	0.0
2	0.0	0.0	0.0	10.0	0.0	25.0	0.0	0.0	23.0	1.0	0.0	0.0
3	0.0	10.0	0.0	2.0	48.0	4.0	0.0	0.0	0.0	0.0	0.0	10.0
4	0.0	11.0	0.0	1.0	6.0	3.0	2.0	0.0	0.0	0.0	0.0	17.0
5	0.0	2.0	4.0	10.0	3.0	0.0	7.0	0.0	0.0	27.0	3.0	10.0
6	6.0	4.0	0.0	0.0	2.0	4.0	23.0	3.0	0.0	10.0	4.0	24.0
7	0.0	83.0	0.0	0.0	17.0	0.0	0.0	0.0	0.0	3.0	3.0	2.0
8	0.0	85.0	0.0	0.0	0.0	3.0	3.0	0.0	0.0	7.0	0.0	0.0
9	0.0	12.0	0.0	0.0	5.0	0.0	2.0	0.0	0.0	0.0	3.0	6.0
10	0.0	6.0	0.0	5.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
11	2.0	2.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0
12	0.0	0.0	0.0	3.0	0.0	0.0	0.0	6.0	68.0	8.0	10.0	0.0
13	0.0	0.0	0.0	12.0	0.0	0.0	3.0	0.0	0.0	0.0	5.0	2.0
14	0.0	0.0	13.0	8.0	6.0	3.0	8.0	0.0	2.0	0.0	0.0	0.0
15	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0	3.0	0.0	0.0	0.0
16	23.0	0.0	22.0	0.0	0.0	2.0	0.0	0.0	4.0	9.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	0.0	0.0
18	4.0	0.0	0.0	0.0	4.0	0.0	0.0	1.0	0.0	17.0	0.0	0.0
19	3.0	0.0	0.0	47.0	7.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0
20	0.0	0.0	18.0	17.0	4.0	0.0	0.0	0.0	0.0	4.0	0.0	3.0
21	0.0	0.0	0.0	37.0	0.0	2.0	0.0	0.0	20.0	2.0	1.0	1.0
22	5.0	15.0	38.0	0.0	10.0	1.0	4.0	0.0	2.0	7.0	33.0	4.0
23	2.0	7.0	0.0	10.0	0.0	4.0	1.0	0.0	7.0	5.0	0.0	0.0
24	0.0	22.0	4.0	2.0	0.0	0.0	0.0	4.0	4.0	6.0	0.0	0.0
25	11.0	0.0	0.0	0.0	5.0	0.0	0.0	12.0	0.0	0.0	4.0	2.0
26	0.0	0.0	0.0	0.0	22.0	0.0	0.0	1.0	0.0	1.0	22.0	2.0
27	67.0	0.0	0.0	0.0	30.0	0.0	4.0	0.0	8.0	15.0	0.0	2.0
28	4.0	0.0	0.0	3.0	7.0	0.0	3.0	0.0	2.0	0.0	28.0	0.0
29	1.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0
30	2.0	0.0	7.0	10.0	0.0	12.0	1.0	9.0	0.0	18.0	22.0	0.0
31	0.0	0.0	0.0	0.0	7.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
Total	130.0	259.0	117.0	179.0	188.0	77.0	61.0	43.0	180.0	145.0	169.0	109.0
Días Ll.	12	12	9	16	17	13	12	9	13	17	15	14

Anual  
1655.0

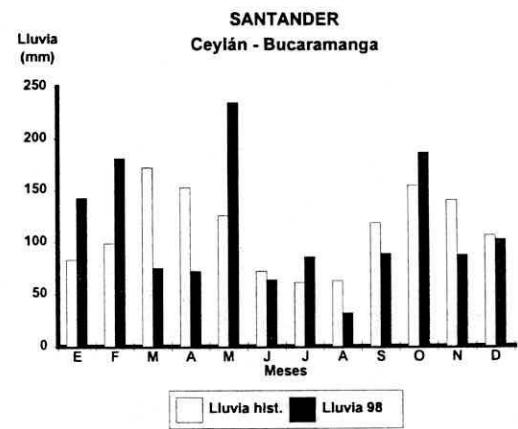
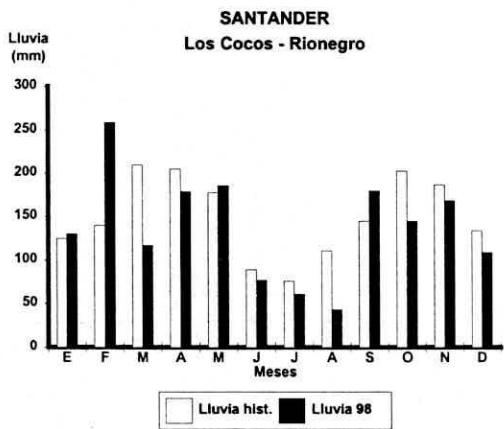
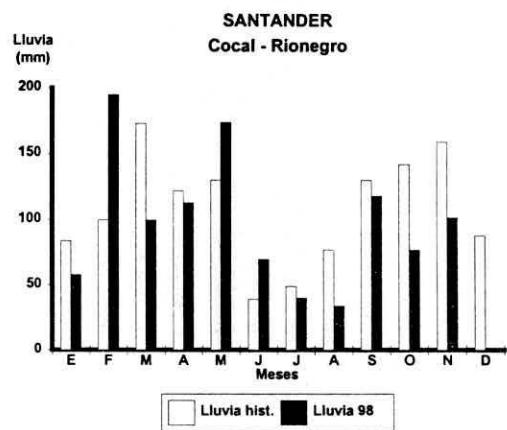
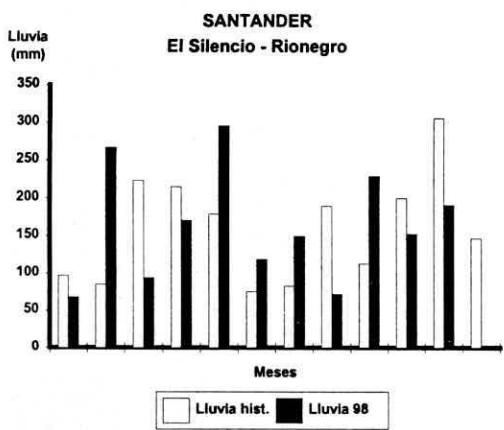
Estación : CEYLAN  
Año : 1998

Dpto. : SANTANDER  
Mpio. : BUCARAMANGA

Latitud : 7 ° 73' N  
Longitud : 73 ° 7' W  
Altitud : 1300 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	0.0	3.0	4.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	58.0	3.0	0.0	0.0	20.0	4.0	0.0	0.0
3	0.0	22.0	0.0	0.0	37.0	9.0	0.0	0.0	0.0	0.0	0.0	4.0
4	0.0	0.0	0.0	0.0	12.0	0.0	13.0	0.0	0.0	0.0	0.0	18.0
5	0.0	6.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	5.0	5.0	4.0
6	4.0	0.0	0.0	0.0	18.0	0.0	4.0	4.0	0.0	12.0	0.0	25.0
7	0.0	45.0	0.0	0.0	15.0	10.0	8.0	0.0	0.0	0.0	0.0	0.0
8	0.0	51.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	4.0
9	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
10	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	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	24.0	0.0	0.0	0.0
13	0.0	0.0	0.0	31.0	0.0	0.0	12.0	0.0	8.0	8.0	0.0	0.0
14	0.0	0.0	16.0	0.0	0.0	9.0	0.0	0.0	3.0	0.0	0.0	8.0
15	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	46.0	0.0	0.0
16	33.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	9.0	0.0	0.0	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	0.0	48.0	0.0	0.0
19	7.0	0.0	31.0	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	14.0	6.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	15.0	0.0
22	0.0	37.0	6.0	0.0	8.0	0.0	0.0	0.0	0.0	4.0	0.0	8.0
23	0.0	7.0	0.0	11.0	0.0	0.0	0.0	7.0	7.0	3.0	0.0	14.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	2.0	0.0	0.0
25	0.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	8.0
27	99.0	0.0	0.0	0.0	34.0	0.0	0.0	0.0	9.0	47.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	7.0	0.0	13.0	0.0
29	0.0	8.0	0.0	2.0	20.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0
30	0.0	0.0	3.0	0.0	0.0	0.0	19.0	2.0	0.0	2.0	18.0	0.0
31	0.0	0.0	0.0	0.0	14.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0
Total	143.0	181.0	75.0	72.0	235.0	64.0	86.0	32.0	89.0	187.0	88.0	103.0
Días Ll.	4	7	6	6	13	7	8	5	9	12	7	10

Anual  
1355.0



Estación : MIPORAL  
Año : 1998

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	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	15.0	0.0	20.0
3	0.0	0.0	0.0	0.0	85.0	0.0	0.0	0.0	0.0	0.0	7.0	10.0
4	0.0	0.0	0.0	0.0	0.0	23.0	0.0	0.0	0.0	0.0	0.0	12.0
5	0.0	13.0	0.0	0.0	0.0	4.0	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	0.0	10.0
7	0.0	0.0	30.0	0.0	0.0	0.0	0.0	5.0	0.0	25.0	0.0	0.0
8	0.0	73.0	35.0	0.0	20.0	0.0	17.0	0.0	0.0	0.0	0.0	10.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	12.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	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	0.0
12	0.0	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	42.0	0.0	0.0	0.0	42.0	0.0	5.0	0.0	0.0
14	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	39.0	0.0	0.0	0.0	15.0	12.0	0.0	0.0	0.0	0.0	0.0	8.0
17	0.0	0.0	0.0	0.0	5.0	12.0	0.0	8.0	0.0	30.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	39.0	0.0	0.0
21	0.0	35.0	0.0	21.0	0.0	12.0	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	12.0	0.0	0.0	5.0
23	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0
25	0.0	0.0	0.0	0.0	10.0	0.0	0.0	24.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0	14.0	0.0
27	115.0	0.0	0.0	3.0	0.0	0.0	9.0	0.0	12.0	62.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	20.0	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	15.0	103.0	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	0.0	0.0	0.0	0.0	0.0
Total	154.0	121.0	88.0	107.0	140.0	107.0	159.0	97.0	69.0	188.0	56.0	87.0
Días Ll.	2	3	4	5	6	8	4	5	4	7	4	8

Anual  
1373.0

Estación : BONANZA  
Año : 1998

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	0.0	10.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	7.0	20.0	0.0	6.0	0.0	13.0	15.0	0.0	6.0
3	0.0	34.0	30.0	0.0	4.0	0.0	7.0	0.0	0.0	0.0	7.0	0.0
4	40.0	9.0	0.0	0.0	0.0	8.0	8.0	0.0	18.0	18.0	0.0	0.0
5	27.0	0.0	0.0	18.0	0.0	2.0	0.0	0.0	0.0	20.0	0.0	0.0
6	0.0	0.0	4.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0
7	0.0	73.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0
8	0.0	43.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	15.0	10.0	0.0
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
10	0.0	0.0	0.0	17.0	0.0	0.0	4.0	0.0	0.0	0.0	5.0	0.0
11	0.0	0.0	0.0	16.0	4.0	0.0	0.0	0.0	15.0	10.0	0.0	7.0
12	0.0	0.0	0.0	26.0	0.0	0.0	23.0	0.0	0.0	0.0	8.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	20.0	12.0	0.0
14	0.0	0.0	0.0	0.0	0.0	10.0	0.0	25.0	17.0	0.0	5.0	0.0
15	0.0	0.0	13.0	0.0	0.0	7.0	0.0	10.0	10.0	21.0	0.0	30.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
17	0.0	0.0	20.0	8.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0
18	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	0.0
19	0.0	0.0	0.0	0.0	9.0	8.0	0.0	0.0	0.0	7.0	0.0	18.0
20	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	10.0	0.0	20.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	30.0	23.0	20.0
22	0.0	0.0	43.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	9.0	0.0	10.0	10.0
24	0.0	0.0	0.0	6.0	5.0	0.0	0.0	24.0	0.0	0.0	8.0	5.0
25	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	8.0	35.0	12.0	0.0
26	0.0	0.0	0.0	14.0	10.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0
27	49.0	0.0	0.0	0.0	16.0	0.0	0.0	10.0	15.0	0.0	0.0	8.0
28	0.0	0.0	0.0	0.0	0.0	0.0	10.0	15.0	0.0	70.0	35.0	0.0
29	0.0	4.0	0.0	14.0	4.0	0.0	0.0	0.0	0.0	10.0	30.0	0.0
30	28.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
Total	144.0	159.5	114.0	126.0	139.0	47.0	69.0	114.0	107.0	274.0	254.0	150.0
Días Ll.	4	4	6	10	14	7	8	6	9	13	17	11

Anual  
1697.5

Estación : CASA DE TEJA  
Año : 1998

Dpto. : SANTANDER  
Mpio. : SAN VICENTE DE CHUCU

Latitud : 6 ° 55' N  
Longitud : 73 ° 27' W  
Altitud : 960 m

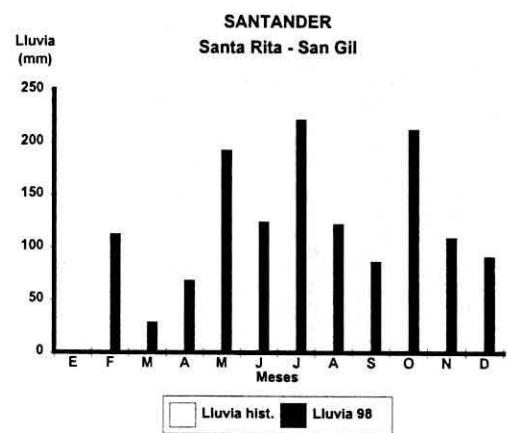
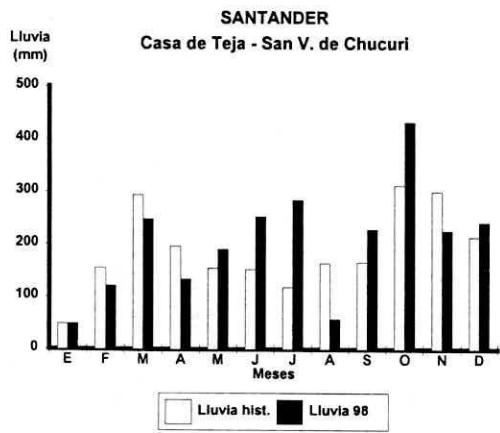
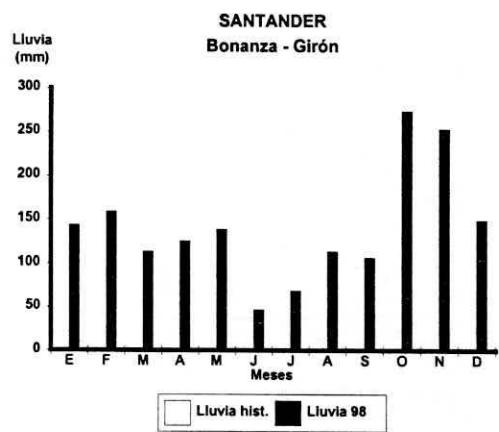
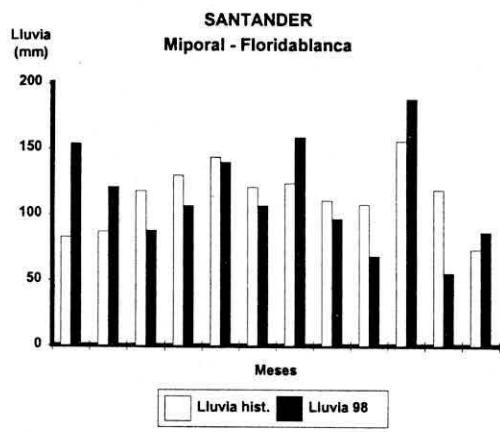
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	0.0	2.0	0.0	15.0	6.0	0.0	12.0	5.0	5.0	0.0
2	0.0	0.0	0.0	0.0	0.0	10.0	3.0	0.0	0.0	0.0	0.0	3.0
3	18.0	0.0	0.0	0.0	43.0	0.0	0.0	5.0	0.0	12.0	8.0	0.0
4	0.0	0.0	0.0	12.0	2.0	0.0	0.0	0.0	5.0	35.0	0.0	6.0
5	0.0	0.0	0.0	0.0	40.0	0.0	23.0	0.0	0.0	0.0	13.0	0.0
6	0.0	0.0	0.0	8.0	0.0	0.0	5.0	0.0	10.0	0.0	0.0	12.0
7	0.0	0.0	0.0	0.0	0.0	65.0	16.0	0.0	5.0	45.0	0.0	1.0
8	0.0	0.0	0.0	16.0	8.0	22.0	4.0	0.0	8.0	32.0	40.0	35.0
9	12.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	7.0	0.0	0.0	8.0
10	18.0	0.0	0.0	0.0	0.0	8.0	20.0	0.0	0.0	28.0	0.0	20.0
11	0.0	25.0	0.0	0.0	0.0	0.0	48.0	15.0	22.0	12.0	7.0	11.0
12	0.0	18.0	0.0	0.0	0.0	0.0	0.0	5.0	28.0	34.0	33.0	0.0
13	0.0	6.0	14.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	5.0
14	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	30.0	0.0	12.0	8.0
15	0.0	0.0	0.0	10.0	15.0	0.0	0.0	7.0	7.0	20.0	0.0	2.0
16	0.0	0.0	78.0	2.0	0.0	0.0	35.0	1.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	10.0	7.0	0.0	28.0	0.0	15.0
18	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0
19	0.0	0.0	0.0	5.0	5.0	25.0	0.0	0.0	0.0	10.0	3.0	7.0
20	0.0	0.0	32.0	20.0	0.0	38.0	8.0	0.0	7.0	0.0	0.0	12.0
21	0.0	0.0	6.0	0.0	40.0	7.0	12.0	0.0	0.0	17.0	8.0	3.0
22	0.0	0.0	13.0	28.0	4.0	0.0	18.0	0.0	5.0	8.0	38.0	0.0
23	0.0	0.0	0.0	15.0	0.0	0.0	6.0	0.0	25.0	90.0	0.0	0.0
24	0.0	0.0	0.0	2.0	4.0	0.0	8.0	0.0	0.0	0.0	3.0	30.0
25	0.0	0.0	0.0	0.0	22.0	0.0	0.0	10.0	0.0	21.0	2.0	8.0
26	0.0	0.0	0.0	2.0	0.0	18.0	6.0	0.0	23.0	0.0	0.0	0.0
27	0.0	19.0	0.0	10.0	0.0	10.0	5.0	0.0	8.0	0.0	7.0	25.0
28	0.0	28.0	92.0	2.0	0.0	8.0	0.0	0.0	0.0	33.0	32.0	0.0
29	0.0	0.0	13.0	0.0	0.0	2.0	0.0	0.0	22.0	0.0	0.0	12.0
30	0.0	0.0	0.0	0.0	0.0	8.0	20.0	3.0	3.0	3.0	15.0	5.0
31	0.0	0.0	0.0	0.0	8.0	26.0	4.0	0.0	0.0	0.0	0.0	5.0
Total	48.0	121.0	248.0	134.0	191.0	252.0	284.0	57.0	228.0	433.0	226.0	Anual 2464.0
Días Ll.	3	6	7	14	11	14	21	9	18	17	15	22

Estación : SANTA RITA  
Año : 1998

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	2.0	0.0	4.0	11.0	0.0	6.0	0.0	0.0	0.0	2.0	0.0
2	0.0	0.0	0.0	6.0	12.0	0.0	5.0	3.0	4.0	12.0	3.0	0.0
3	0.0	0.0	0.0	5.0	5.0	0.0	12.0	0.0	12.0	8.0	0.0	15.0
4	0.0	0.0	5.0	0.0	10.0	0.0	5.0	0.0	14.0	4.0	0.0	11.0
5	0.0	4.0	0.0	8.0	7.0	0.0	0.0	5.0	0.0	15.0	6.0	44.0
6	0.0	0.0	0.0	0.0	14.0	0.0	0.0	4.0	0.0	16.0	0.0	0.0
7	0.0	73.0	0.0	3.0	0.0	4.0	8.0	3.0	0.0	5.0	0.0	0.0
8	0.0	34.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	14.0	6.0	0.0	4.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	5.0	2.0	19.0	3.0	0.0	36.0	0.0	0.0
11	0.0	0.0	0.0	1.0	0.0	0.0	0.0	7.0	5.0	0.0	0.0	6.0
12	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	5.0	38.0	12.0	0.0
13	0.0	0.0	0.0	1.0	10.0	10.0	7.0	0.0	0.0	0.0	6.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	7.0	4.0
15	0.0	0.0	0.0	0.0	11.0	3.0	11.0	0.0	0.0	2.0	0.0	0.0
16	0.0	0.0	0.0	14.0	1.0	4.0	0.0	0.0	0.0	0.0	4.0	0.0
17	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
18	0.0	0.0	0.0	6.0	10.0	0.0	8.0	16.0	0.0	0.0	4.0	0.0
19	0.0	0.0	0.0	0.0	0.0	8.0	3.0	10.0	3.0	10.0	44.0	0.0
20	0.0	0.0	0.0	5.0	0.0	5.0	13.0	8.0	3.0	5.0	6.0	4.0
21	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	12.0	12.0	0.0
22	0.0	0.0	1.0	0.0	30.0	37.0	4.0	0.0	7.0	20.0	0.0	0.0
23	0.0	0.0	2.0	4.0	13.0	7.0	0.0	20.0	3.0	6.0	0.0	0.0
24	0.0	0.0	0.0	5.0	0.0	3.0	4.0	15.0	4.0	11.0	0.0	0.0
25	0.0	0.0	14.0	5.0	10.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	11.0	2.0	4.0	48.0	0.0	10.0	3.0	0.0	0.0
27	0.0	0.0	0.0	5.0	12.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	3.0	5.0	0.0	0.0
29	0.0	3.0	0.0	0.0	0.0	15.0	29.0	10.0	0.0	5.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	5.0	7.0	0.0	0.0	4.0	8.0
31	0.0	4.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	113.0	29.0	69.0	193.0	125.0	222.0	123.0	87.0	213.0	110.0	92.0
Días Ll.	0	4	6	14	18	15	22	14	14	18	12	7



Estación : CUCHICUTE  
Año : 1998

Dpto. : SANTANDER  
Mpio. : CURITI

Latitud : 6° 73' 0" N  
Longitud : 34° 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	8.0	10.0	2.0	6.0	4.0	0.0	0.0
2	0.0	0.0	0.0	0.0	9.0	5.0	23.0	0.0	0.0	0.0	0.0	0.0
3	0.0	1.0	0.0	0.0	0.0	7.0	42.0	0.0	0.0	0.0	14.0	0.0
4	0.0	0.0	5.0	10.0	15.0	4.0	17.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	32.0	0.0	4.0	2.0	9.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	60.0	1.0	4.0	0.0	0.0	19.0	0.0	0.0
7	0.0	25.0	0.0	0.0	0.0	6.0	13.0	8.0	2.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	17.0	6.0	0.0	3.0	0.0	0.0	0.0
9	0.0	0.0	0.0	15.0	0.0	25.0	5.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	4.0	8.0	32.0	4.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	17.0	12.0	0.0	1.0	3.0	19.0	0.0
13	0.0	0.0	0.0	14.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	18.0	0.0	10.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	6.0	3.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0	24.0	0.0	0.0
17	0.0	0.0	0.0	0.0	24.0	0.0	5.0	0.0	29.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	32.0	0.0	6.0	2.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	8.0	2.0	0.0	1.0	1.0	2.0	0.0	0.0
21	0.0	0.0	0.0	12.0	12.0	4.0	0.0	0.0	3.0	1.0	0.0	0.0
22	0.0	0.0	0.0	0.0	5.0	16.0	4.0	0.0	0.0	7.0	0.0	0.0
23	0.0	0.0	0.0	0.0	3.0	0.0	0.0	24.0	0.0	9.0	0.0	0.0
24	0.0	0.0	0.0	0.0	2.0	24.0	0.0	4.0	11.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	48.0	15.0	0.0	5.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	16.0	10.0	3.0	0.0	8.0	0.0	0.0	0.0
27	2.0	0.0	0.0	0.0	8.0	4.0	0.0	0.0	0.0	8.0	0.0	0.0
28	0.0	0.0	0.0	0.0	10.0	6.0	14.0	34.0	0.0	1.0	0.0	0.0
29	0.0	0.0	0.0	0.0	12.0	18.0	15.0	12.0	13.0	32.0	0.0	0.0
30	0.0	0.0	0.0	0.0	54.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	3.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0

Anual  
1280.0

Total

2.0

26.0

55.0

51.0

354.0

206.0

218.0

142.0

83.0

110.0

33.0

0.0

Días Ll.

1

2

3

4

20

23

20

11

12

11

2

0

Estación : CHOCHOS  
Año : 1998

Dpto. : SANTANDER  
Mpio. : HATO

Latitud : 6° 73' 0" N  
Longitud : 33° 19' W  
Altitud : 1400 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	0.0	0.0	25.0	7.0	0.0	0.0	1.0	1.0	0.0	0.0
2	0.0	0.0	0.0	17.0	0.0	0.0	26.0	0.0	4.0	1.0	13.0	8.0
3	0.0	0.0	0.0	0.0	12.0	1.0	20.0	7.0	60.0	54.0	6.0	0.0
4	2.0	22.0	0.0	0.0	13.0	0.0	31.0	0.0	0.0	66.0	1.0	2.0
5	20.0	11.0	0.0	0.0	0.0	2.0	7.0	0.0	0.0	6.0	0.0	10.0
6	0.0	0.0	1.0	115.0	22.0	0.0	5.0	3.0	0.0	38.0	13.0	55.0
7	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	0.0	24.0
8	0.0	0.0	0.0	0.0	65.0	3.0	0.0	0.0	1.0	2.0	1.0	0.0
9	0.0	51.0	2.0	0.0	6.0	11.0	2.0	0.0	0.0	0.0	0.0	4.0
10	0.0	0.0	0.0	0.0	5.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	47.0	0.0	0.0	5.0
12	0.0	0.0	0.0	10.0	0.0	1.0	7.0	62.0	10.0	15.0	0.0	6.0
13	0.0	0.0	5.0	0.0	0.0	1.0	2.0	0.0	3.0	41.0	55.0	10.0
14	0.0	0.0	0.0	28.0	14.0	5.0	0.0	0.0	4.0	0.0	0.0	3.0
15	0.0	0.0	0.0	0.0	0.0	24.0	2.0	0.0	0.0	3.0	0.0	0.0
16	0.0	0.0	3.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	60.0	0.0
17	0.0	0.0	0.0	1.0	4.0	0.0	0.0	0.0	0.0	30.0	14.0	0.0
18	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	21.0	6.0
19	0.0	0.0	0.0	6.0	0.0	0.0	0.0	5.0	0.0	0.0	33.0	0.0
20	0.0	0.0	2.0	5.0	18.0	9.0	2.0	4.0	2.0	39.0	11.0	1.0
21	0.0	0.0	3.0	0.0	0.0	23.0	0.0	2.0	1.0	4.0	8.0	24.0
22	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	5.0	28.0	1.0	2.0
23	0.0	0.0	16.0	0.0	5.0	13.0	3.0	0.0	5.0	32.0	0.0	0.0
24	0.0	3.0	0.0	21.0	3.0	11.0	0.0	0.0	4.0	4.0	0.0	0.0
25	0.0	0.0	8.0	9.0	5.0	0.0	3.0	20.0	2.0	0.0	0.0	7.0
26	0.0	0.0	18.0	0.0	6.0	6.0	0.0	3.0	12.0	2.0	0.0	2.0
27	0.0	0.0	0.0	26.0	8.0	0.0	27.0	0.0	4.0	34.0	0.0	0.0
28	11.0	0.0	0.0	0.0	8.0	10.0	1.0	0.0	0.0	0.0	0.0	2.0
29	2.0	0.0	18.0	0.0	0.0	0.0	9.0	14.0	0.0	2.0	17.0	0.0
30	0.0	3.0	7.0	0.0	0.0	14.0	4.0	0.0	2.0	2.0	15.0	0.0
31	0.0	0.0	0.0	0.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0

Anual  
2174.0

Total

35.0

87.0

78.0

248.0

252.0

127.0

200.0

126.0

165.0

406.0

269.0

181.0

Días Ll.

4

4

11

12

20

15

18

11

16

21

15

18

Estación : LA LAGUNA  
Año : 1998

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	0.0	18.0						
2	0.0	3.0	0.0	3.0	15.0	0.0						
3	0.0	0.0	0.0	5.0	0.0	0.0						
4	0.0	0.0	5.0	0.0	3.0	0.0						
5	0.0	5.0	0.0	5.0	0.0	0.0						
6	0.0	20.0	3.0	0.0	0.0	0.0						
7	0.0	35.0	0.0	0.0	0.0	8.0						
8	0.0	0.0	0.0	0.0	0.0	15.0						
9	0.0	0.0	0.0	0.0	0.0	0.0						
10	0.0	0.0	0.0	0.0	7.0	10.0						
11	0.0	0.0	0.0	3.0	0.0	0.0						
12	0.0	0.0	0.0	5.0	0.0	0.0						
13	0.0	0.0	0.0	15.0	0.0	15.0						
14	0.0	0.0	0.0	0.0	0.0	8.0						
15	0.0	0.0	0.0	0.0	10.0	5.0						
16	0.0	0.0	0.0	0.0	20.0	0.0						
17	0.0	0.0	0.0	0.0	6.0	0.0						
18	0.0	0.0	0.0	12.0	10.0	0.0						
19	0.0	0.0	0.0	0.0	0.0	10.0						
20	0.0	0.0	0.0	0.0	0.0	5.0						
21	0.0	0.0	2.0	3.0	0.0	15.0						
22	0.0	0.0	4.0	0.0	15.0	8.0						
23	0.0	2.0	0.0	2.0	10.0	3.0						
24	0.0	0.0	3.0	0.0	28.0	0.0						
25	0.0	0.0	22.0	0.0	30.0	0.0						
26	0.0	0.0	17.0	0.0	5.0	3.0						
27	0.0	0.0	5.0	0.0	0.0	0.0						
28	0.0	0.0	3.0	0.0	0.0	5.0						
29	0.0	0.0	0.0	0.0	0.0	0.0						
30	0.0	0.0	5.0	0.0	0.0	0.0						
31	0.0	0.0	5.0	0.0								

Anual

Total 0.0 65.0 74.0 53.0 159.0 128.0

Días Ll. 0 5 11 9 12 14

Estación : LAS FLORES  
Año : 1998

Dpto. : SANTANDER  
Mpio. : PINCHOTE

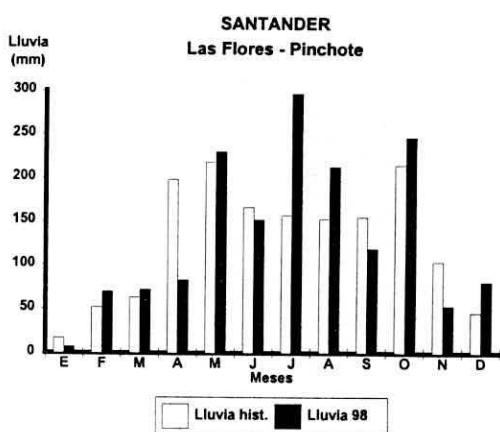
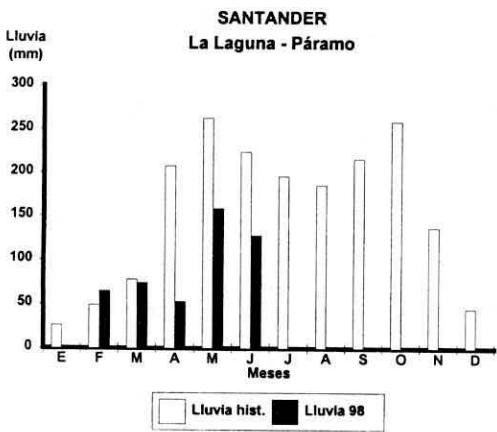
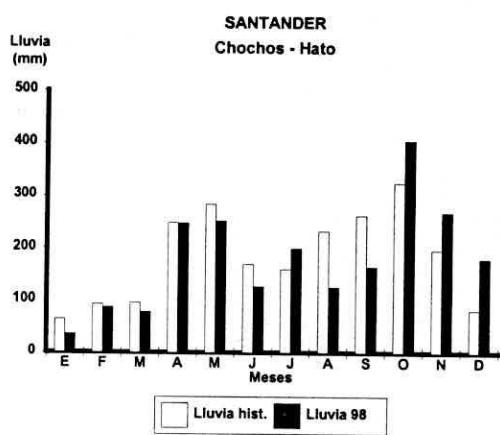
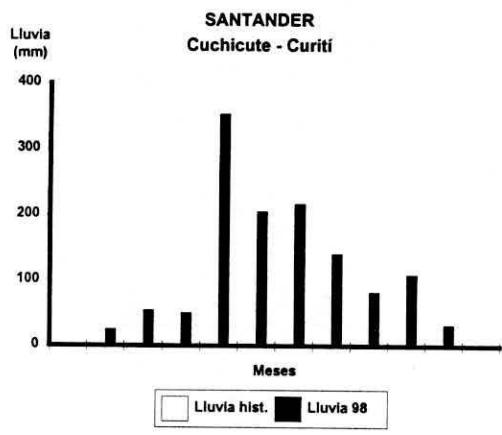
Latitud : 6 ° 29' N  
Longitud : 73 ° 11' W  
Altitud : 1700 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	2.0	0.0	0.0	14.0	11.0	0.0	0.0	3.0	0.0	0.0	0.0
2	0.0	0.0	0.0	6.0	0.0	0.0	3.0	0.0	4.0	0.0	4.0	0.0
3	0.0	3.0	0.0	7.0	8.0	0.0	20.0	11.0	12.0	4.0	2.0	0.0
4	0.0	0.0	0.0	0.0	6.0	0.0	20.0	3.0	0.0	37.0	0.0	12.0
5	1.0	0.0	0.0	0.0	3.0	0.0	3.0	10.0	6.0	5.0	0.0	3.0
6	3.0	2.0	0.0	8.0	6.0	0.0	3.0	15.0	0.0	3.0	7.0	9.0
7	0.0	0.0	4.0	0.0	30.0	0.0	0.0	3.0	0.0	11.0	0.0	40.0
8	0.0	60.0	0.0	0.0	0.0	10.0	44.0	2.0	0.0	6.0	0.0	2.0
9	0.0	0.0	3.0	0.0	3.0	0.0	22.0	5.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	3.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	20.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	3.0	0.0	4.0	25.0	3.0	7.0	40.0	2.0	0.0
13	0.0	0.0	0.0	3.0	0.0	0.0	15.0	0.0	20.0	22.0	5.0	0.0
14	0.0	0.0	0.0	0.0	11.0	12.0	0.0	2.0	7.0	0.0	0.0	2.0
15	0.0	0.0	0.0	0.0	0.0	20.0	16.0	16.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	22.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	10.0	3.0	2.0	0.0	0.0	0.0	4.0	2.0
18	0.0	0.0	0.0	15.0	3.0	0.0	0.0	35.0	0.0	7.0	0.0	0.0
19	0.0	0.0	0.0	4.0	11.0	0.0	5.0	4.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	4.0	3.0	5.0	6.0	4.0	17.0	2.0	0.0
21	0.0	0.0	0.0	0.0	1.0	18.0	4.0	2.0	3.0	13.0	0.0	0.0
22	0.0	3.0	3.0	0.0	0.0	6.0	3.0	3.0	7.0	17.0	18.0	0.0
23	0.0	0.0	16.0	0.0	8.0	14.0	2.0	0.0	22.0	23.0	0.0	0.0
24	0.0	0.0	0.0	0.0	10.0	4.0	0.0	30.0	3.0	5.0	0.0	0.0
25	0.0	0.0	5.0	18.0	11.0	0.0	0.0	26.0	2.0	10.0	0.0	0.0
26	0.0	0.0	23.0	17.0	0.0	10.0	0.0	21.0	13.0	0.0	0.0	0.0
27	0.0	0.0	10.0	0.0	30.0	0.0	65.0	0.0	3.0	14.0	0.0	0.0
28	0.0	0.0	0.0	0.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
29	1.0	4.0	0.0	2.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	4.0	2.0	12.0	10.0	27.0	3.0	0.0	13.0	10.0	0.0	0.0
31	2.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	11.0		

Anual

Total 7.0 70.0 72.0 83.0 230.0 152.0 297.0 213.0 119.0 247.0 54.0 81.0 1625.0

Días Ll. 4 5 9 10 22 15 21 20 16 17 9 8



Estación : LA PLAZUELA  
Año : 1998

Dpto. : SANTANDER  
Mpio. : SOCORRO

Latitud : 6 ° 73' 28" N  
Longitud : 73 ° 13' 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	18.0	13.0	0.0	0.0	2.0	15.0	0.0	13.0
2	0.0	0.0	0.0	5.0	1.0	0.0	3.0	0.0	6.0	0.0	13.0	0.0
3	0.0	3.0	3.0	7.0	10.0	0.0	20.0	7.0	22.0	3.0	4.0	0.0
4	0.0	0.0	0.0	4.0	7.0	4.0	21.0	3.0	0.0	23.0	0.0	0.0
5	0.0	0.0	0.0	0.0	7.0	6.0	5.0	3.0	10.0	25.0	0.0	0.0
6	0.0	2.0	10.0	13.0	9.0	6.0	7.0	9.0	0.0	5.0	14.0	17.0
7	0.0	59.0	2.0	0.0	12.0	0.0	0.0	6.0	0.0	6.0	0.0	22.0
8	0.0	0.0	0.0	0.0	0.0	11.0	6.0	3.0	6.0	0.0	0.0	3.0
9	0.0	0.0	17.0	0.0	0.0	0.0	3.0	4.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	39.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	8.0	12.0	20.0	46.0	4.0	0.0
13	0.0	0.0	0.0	24.0	0.0	14.0	6.0	0.0	5.0	72.0	9.0	0.0
14	0.0	0.0	0.0	0.0	20.0	3.0	0.0	3.0	13.0	0.0	0.0	4.0
15	0.0	0.0	0.0	0.0	6.0	9.0	10.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	10.0	5.0	0.0
19	0.0	0.0	0.0	0.0	12.0	0.0	0.0	24.0	0.0	0.0	3.0	3.0
20	0.0	0.0	0.0	0.0	2.0	0.0	5.0	6.0	7.0	9.0	2.0	0.0
21	0.0	0.0	10.0	0.0	0.0	9.0	0.0	7.0	0.0	0.0	0.0	2.0
22	0.0	0.0	0.0	3.0	1.0	3.0	0.0	0.0	15.0	39.0	13.0	0.0
23	0.0	0.0	1.0	0.0	6.0	6.0	0.0	0.0	7.0	20.0	0.0	0.0
24	0.0	7.0	0.0	20.0	1.0	2.0	7.0	6.0	3.0	0.0	0.0	0.0
25	0.0	0.0	13.0	0.0	7.0	0.0	6.0	40.0	7.0	0.0	0.0	2.0
26	19.0	0.0	5.0	5.0	6.0	0.0	0.0	7.0	66.0	0.0	0.0	1.0
27	0.0	0.0	2.0	0.0	12.0	0.0	26.0	0.0	0.0	22.0	0.0	0.0
28	0.0	0.0	0.0	0.0	2.0	49.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	5.0	0.0	3.0	0.0	2.0	0.0	0.0	0.0	1.0	0.0
30	0.0	0.0	5.0	3.0	7.0	0.0	10.0	6.0	0.0	0.0	0.0	10.0
31	0.0	0.0	0.0	0.0	0.0	2.0	9.0	0.0	0.0	0.0	0.0	0.0
Total	19.0	71.0	73.0	84.0	195.0	137.0	165.0	155.0	213.0	295.0	68.0	77.0
Días Ll.	1	4	11	9	22	14	18	17	15	13	10	10

Estación : EL MESON  
Año : 1998

Dpto. : SANTANDER  
Mpio. : VALLE SAN JOSE

Latitud : 6 ° 73' 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	5.0	0.0	4.0	5.0	11.0	0.0	2.0	10.0	9.0	0.0	0.0
2	0.0	0.0	0.0	4.0	0.0	3.0	1.0	0.0	12.0	3.0	5.0	0.0
3	0.0	3.0	0.0	10.0	20.0	0.0	48.0	30.0	24.0	6.0	5.0	2.0
4	0.0	0.0	4.0	0.0	2.0	0.0	6.0	6.0	1.0	8.0	17.0	22.0
5	0.0	0.0	0.0	0.0	4.0	13.0	5.0	3.0	8.0	4.0	0.0	20.0
6	0.0	4.0	0.0	33.0	36.0	2.0	5.0	20.0	0.0	4.0	17.0	10.0
7	0.0	5.0	1.0	0.0	23.0	7.0	9.0	4.0	0.0	7.0	0.0	12.0
8	0.0	7.0	7.0	0.0	0.0	28.0	4.0	2.0	6.0	0.0	0.0	14.0
9	0.0	12.0	4.0	0.0	0.0	8.0	2.0	9.0	0.0	0.0	0.0	5.0
10	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	17.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	5.0	1.0	1.0
12	0.0	0.0	0.0	8.0	0.0	1.0	7.0	2.0	12.0	10.0	0.0	1.0
13	0.0	4.0	0.0	1.0	0.0	4.0	0.0	0.0	40.0	20.0	5.0	0.0
14	0.0	3.0	0.0	1.0	10.0	4.0	0.0	25.0	10.0	0.0	0.0	2.0
15	0.0	0.0	0.0	0.0	0.0	9.0	9.0	2.0	1.0	0.0	0.0	3.0
16	0.0	0.0	0.0	0.0	10.0	2.0	20.0	4.0	0.0	0.0	15.0	0.0
17	0.0	0.0	0.0	0.0	4.0	5.0	1.0	0.0	0.0	8.0	1.0	2.0
18	0.0	0.0	0.0	0.0	12.0	0.0	2.0	38.0	4.0	10.0	4.0	26.0
19	0.0	0.0	0.0	11.0	1.0	0.0	15.0	9.0	9.0	0.0	2.0	0.0
20	0.0	0.0	0.0	1.0	0.0	4.0	3.0	6.0	1.0	23.0	0.0	0.0
21	1.0	0.0	4.0	1.0	0.0	20.0	0.0	6.0	1.0	10.0	6.0	1.0
22	0.0	0.0	1.0	1.0	21.0	3.0	3.0	0.0	10.0	12.0	12.0	0.0
23	0.0	0.0	1.0	0.0	10.0	2.0	5.0	0.0	2.0	18.0	2.0	0.0
24	0.0	6.0	0.0	10.0	2.0	2.0	11.0	10.0	1.0	10.0	0.0	0.0
25	0.0	0.0	11.0	2.0	8.0	1.0	10.0	28.0	8.0	5.0	0.0	0.0
26	0.0	0.0	37.0	2.0	4.0	0.0	0.0	1.0	20.0	0.0	0.0	6.0
27	0.0	0.0	12.0	3.0	15.0	0.0	30.0	1.0	1.0	2.0	0.0	1.0
28	0.0	0.0	2.0	0.0	4.0	13.0	0.0	0.0	1.0	0.0	0.0	0.0
29	1.0	8.0	0.0	0.0	0.0	2.0	2.0	14.0	4.0	4.0	0.0	0.0
30	2.0	4.0	15.0	0.0	3.0	10.0	16.0	0.0	3.0	0.0	0.0	0.0
31	5.0	0.0	0.0	0.0	0.0	3.0	8.0	0.0	0.0	0.0	0.0	2.0
Total	9.0	49.0	96.0	107.0	213.0	145.0	217.0	246.0	203.0	181.0	92.0	130.0
Días Ll.	4	9	13	16	19	21	24	23	23	21	13	17

Estación : VILLANUEVA  
Año : 1998

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	0.0	6.0	0.0	2.0	8.0	6.0	0.0	0.0	8.0	0.0	2.0	0.0
2	0.0	0.0	4.0	0.0	3.0	0.0	0.0	2.0	0.0	8.0	0.0	0.0
3	8.0	0.0	0.0	6.0	82.0	0.0	6.0	12.0	0.0	2.0	0.0	2.0
4	0.0	12.0	0.0	2.0	0.0	8.0	8.0	0.0	36.0	10.0	0.0	4.0
5	0.0	0.0	0.0	52.0	0.0	2.0	12.0	0.0	0.0	120.0	4.0	0.0
6	0.0	36.0	2.0	4.0	0.0	0.0	60.0	60.0	0.0	0.0	8.0	6.0
7	0.0	10.0	0.0	10.0	18.0	0.0	8.0	6.0	8.0	0.0	2.0	72.0
8	0.0	4.0	2.0	0.0	4.0	12.0	0.0	18.0	2.0	8.0	18.0	8.0
9	0.0	2.0	0.0	0.0	42.0	4.0	0.0	56.0	12.0	22.0	0.0	0.0
10	0.0	0.0	2.0	18.0	2.0	0.0	6.0	0.0	0.0	4.0	2.0	0.0
11	0.0	8.0	2.0	4.0	10.0	0.0	0.0	0.0	18.0	2.0	0.0	2.0
12	0.0	16.0	2.0	8.0	0.0	0.0	0.0	0.0	22.0	0.0	22.0	6.0
13	0.0	0.0	0.0	2.0	0.0	2.0	28.0	12.0	0.0	6.0	4.0	12.0
14	0.0	0.0	0.0	0.0	2.0	8.0	2.0	8.0	0.0	0.0	0.0	0.0
15	4.0	0.0	0.0	12.0	0.0	4.0	10.0	0.0	8.0	0.0	0.0	0.0
16	0.0	2.0	4.0	4.0	0.0	0.0	0.0	2.0	2.0	12.0	2.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	62.0	22.0	12.0	0.0	8.0	52.0
18	12.0	0.0	72.0	2.0	12.0	12.0	4.0	4.0	0.0	2.0	6.0	0.0
19	0.0	0.0	36.0	38.0	0.0	2.0	0.0	8.0	0.0	4.0	12.0	0.0
20	6.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	8.0	0.0	4.0	4.0
21	4.0	8.0	18.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0	12.0
22	0.0	2.0	8.0	4.0	8.0	0.0	6.0	0.0	4.0	8.0	8.0	2.0
23	0.0	0.0	0.0	2.0	20.0	0.0	0.0	0.0	0.0	2.0	0.0	8.0
24	0.0	0.0	0.0	6.0	0.0	0.0	12.0	10.0	0.0	4.0	0.0	0.0
25	0.0	0.0	2.0	14.0	0.0	18.0	80.0	4.0	6.0	2.0	0.0	4.0
26	0.0	120.0	4.0	4.0	12.0	2.0	2.0	16.0	18.0	6.0	0.0	10.0
27	0.0	0.0	6.0	6.0	8.0	0.0	8.0	2.0	2.0	12.0	0.0	0.0
28	4.0	0.0	12.0	2.0	10.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0
29	0.0	62.0	8.0	0.0	4.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0
30	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0
31	18.0	8.0	0.0	0.0	0.0	0.0	24.0	0.0	2.0	0.0	0.0	Anual

Total 56.0 226.0 246.0 214.0 241.0 92.0 314.0 284.0 168.0 238.0 108.0 206.0 2393.0  
Días Ll. 7 12 17 23 15 14 16 19 16 20 15 16

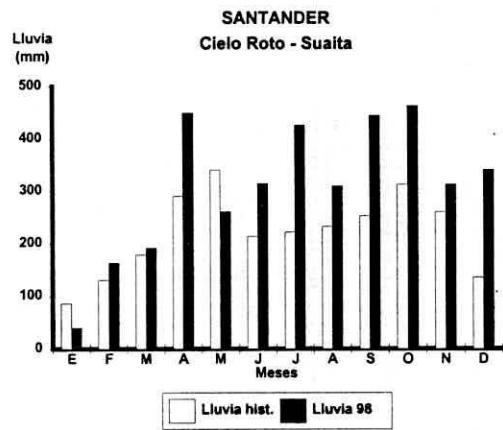
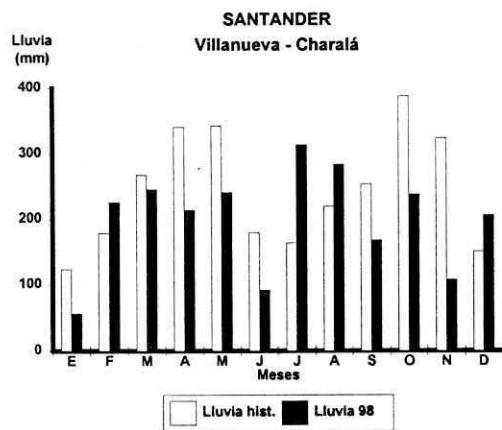
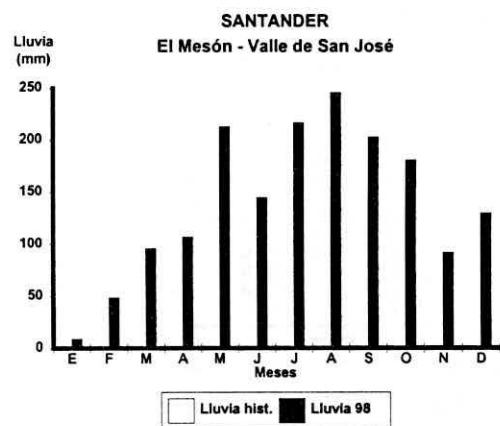
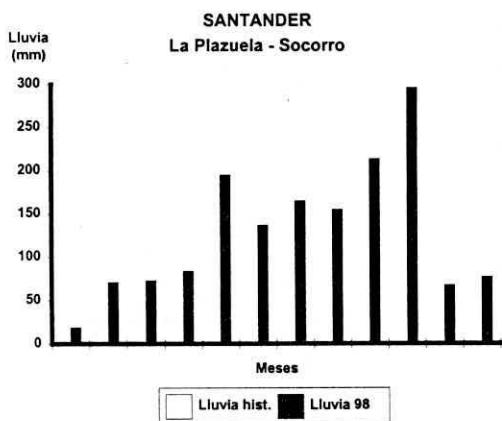
Estación : CIELO ROTO  
Año : 1998

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	10.0	31.0	0.0	5.0	0.0	10.0	2.0	0.0	15.0	2.0	5.0	22.0
2	0.0	0.0	0.0	30.0	27.0	15.0	10.0	0.0	15.0	15.0	25.0	10.0
3	0.0	12.0	13.0	15.0	12.0	10.0	10.0	22.0	0.0	10.0	22.0	5.0
4	0.0	0.0	5.0	70.0	7.0	20.0	15.0	23.0	0.0	35.0	10.0	20.0
5	0.0	0.0	5.0	50.0	7.0	10.0	10.0	3.0	2.0	12.0	0.0	10.0
6	0.0	0.0	4.0	5.0	3.0	5.0	12.0	0.0	17.0	5.0	0.0	10.0
7	0.0	40.0	1.0	4.0	12.0	35.0	20.0	0.0	0.0	25.0	30.0	15.0
8	0.0	30.0	4.0	5.0	0.0	19.0	15.0	35.0	16.0	0.0	37.0	15.0
9	0.0	1.0	0.0	45.0	0.0	0.0	5.0	75.0	0.0	0.0	20.0	22.0
10	0.0	5.0	25.0	0.0	0.0	0.0	8.0	0.0	10.0	0.0	20.0	10.0
11	10.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	85.0	45.0	0.0	20.0
12	2.0	7.0	2.0	0.0	0.0	35.0	10.0	0.0	5.0	13.0	0.0	5.0
13	0.0	10.0	0.0	0.0	45.0	20.0	29.0	19.0	100.0	24.0	5.0	20.0
14	0.0	0.0	0.0	40.0	0.0	40.0	40.0	0.0	11.0	0.0	20.0	9.0
15	0.0	0.0	6.0	0.0	0.0	10.0	37.0	0.0	0.0	0.0	20.0	0.0
16	0.0	0.0	0.0	30.0	3.0	0.0	10.0	0.0	28.0	0.0	10.0	0.0
17	0.0	0.0	0.0	10.0	10.0	5.0	18.0	2.0	0.0	0.0	20.0	0.0
18	0.0	0.0	0.0	10.0	0.0	10.0	7.0	10.0	0.0	19.0	0.0	0.0
19	8.0	0.0	0.0	8.0	1.0	0.0	0.0	36.0	0.0	20.0	9.0	18.0
20	0.0	0.0	3.0	0.0	22.0	10.0	7.0	16.0	3.0	36.0	10.0	0.0
21	0.0	10.0	5.0	10.0	0.0	2.0	5.0	10.0	7.0	3.0	20.0	0.0
22	0.0	7.0	10.0	5.0	5.0	8.0	19.0	6.0	25.0	30.0	0.0	0.0
23	0.0	0.0	0.0	5.0	15.0	3.0	10.0	6.0	30.0	60.0	0.0	0.0
24	10.0	0.0	0.0	30.0	20.0	20.0	30.0	34.0	35.0	50.0	0.0	30.0
25	0.0	0.0	30.0	0.0	10.0	10.0	2.0	2.0	26.0	9.0	0.0	35.0
26	0.0	0.0	10.0	5.0	20.0	0.0	20.0	0.0	10.0	0.0	0.0	0.0
27	0.0	7.0	7.0	5.0	32.0	5.0	5.0	1.0	0.0	0.0	0.0	30.0
28	0.0	0.0	30.0	4.0	0.0	3.0	15.0	0.0	5.0	10.0	5.0	20.0
29	0.0	20.0	6.0	0.0	10.0	25.0	10.0	0.0	0.0	5.0	25.0	5.0
30	0.0	2.0	52.0	2.0	0.0	10.0	0.0	0.0	0.0	25.0	0.0	0.0
31	0.0	10.0	8.0	8.0	20.0	0.0	0.0	0.0	10.0	10.0	0.0	10.0

Total 40.0 164.0 192.0 450.0 261.0 315.0 426.0 310.0 445.0 463.0 313.0 341.0 3720.0  
Días Ll. 5 12 19 23 19 23 29 17 19 22 18 21



Estación : LA CUMBRE  
Año : 1998

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	1.0	0.0	0.0	0.0	40.0	7.0	0.0	0.0	10.0	0.0	0.0	0.0
2	0.0	19.0	1.0	0.0	2.0	0.0	0.0	0.0	3.0	0.0	0.0	10.0
3	0.0	0.0	0.0	10.0	22.0	0.0	0.0	0.0	15.0	7.0	0.0	0.0
4	0.0	0.0	0.0	3.0	12.0	2.0	0.0	0.0	0.0	35.0	4.0	0.0
5	0.0	11.0	5.0	33.0	8.0	0.0	0.0	8.0	13.0	38.0	0.0	0.0
6	17.0	0.0	17.0	45.0	17.0	0.0	0.0	36.0	16.0	12.0	0.0	0.0
7	6.0	60.0	100.0	3.0	20.0	4.0	1.0	2.0	2.0	38.0	10.0	0.0
8	0.0	5.0	0.0	0.0	0.0	18.0	0.0	0.0	3.0	0.0	0.0	0.0
9	0.0	14.0	0.0	0.0	0.0	20.0	0.0	23.0	11.0	0.0	0.0	7.0
10	0.0	5.0	0.0	50.0	1.0	0.0	0.0	0.0	9.0	0.0	0.0	14.0
11	0.0	1.0	0.0	44.0	0.0	5.0	0.0	0.0	1.0	0.0	0.0	3.0
12	0.0	0.0	0.0	3.0	0.0	0.0	0.0	20.0	14.0	11.0	0.0	7.0
13	0.0	3.0	0.0	24.0	0.0	8.0	0.0	3.0	3.0	13.0	0.0	6.0
14	0.0	0.0	0.0	0.0	0.0	2.0	0.0	18.0	49.0	1.0	0.0	0.0
15	0.0	0.0	0.0	28.0	0.0	4.0	0.0	4.0	2.0	23.0	0.0	5.0
16	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	2.0	35.0	0.0	10.0
17	0.0	0.0	0.0	34.0	0.0	16.0	0.0	0.0	13.0	17.0	0.0	0.0
18	0.0	0.0	1.0	8.0	3.0	2.0	0.0	5.0	27.0	0.0	0.0	0.0
19	0.0	2.0	0.0	48.0	0.0	5.0	0.0	0.0	7.0	20.0	0.0	3.0
20	0.0	7.0	50.0	4.0	0.0	0.0	0.0	30.0	2.0	5.0	0.0	28.0
21	0.0	20.0	8.0	14.0	0.0	0.0	0.0	21.0	5.0	36.0	0.0	0.0
22	0.0	1.0	0.0	5.0	0.0	0.0	0.0	0.0	22.0	37.0	0.0	0.0
23	0.0	0.0	5.0	9.0	6.0	9.0	0.0	0.0	3.0	51.0	0.0	0.0
24	0.0	0.0	7.0	11.0	13.0	0.0	0.0	2.0	3.0	35.0	0.0	0.0
25	0.0	0.0	8.0	20.0	54.0	16.0	0.0	9.0	39.0	23.0	0.0	24.0
26	0.0	0.0	3.0	1.0	16.0	0.0	0.0	0.0	33.0	7.0	0.0	20.0
27	0.0	0.0	14.0	4.0	61.0	10.0	0.0	0.0	18.0	0.0	0.0	9.0
28	4.0	0.0	0.0	9.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
29	0.0	0.0	0.0	2.0	0.0	0.0	0.0	17.0	36.0	5.0	0.0	0.0
30	0.0	0.0	24.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	19.0
31	13.0	0.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
Total	41.0	148.0	285.0	423.0	291.0	128.0	0.0	213.0	361.0	449.0	0.0	Anual
Días Ll.	5	12	14	24	15	15	0.0	15	27	20	0.0	195.0
											18	

Estación : LA CIMARRONA  
Año : 1998

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	0.0	0.0	0.0	134.0	15.0	0.0	0.0	0.0	3.0	0.0	0.0	1.0
2	0.0	0.0	0.0	7.0	5.0	0.0	0.0	0.0	8.0	20.0	0.0	3.0
3	0.0	77.0	0.0	0.0	30.0	0.0	2.0	0.0	9.0	2.0	0.0	5.0
4	0.0	0.0	0.0	0.0	60.0	0.0	50.0	0.0	1.0	6.0	0.0	10.0
5	0.0	0.0	0.0	50.0	10.0	0.0	1.0	0.0	11.0	1.0	0.0	3.0
6	0.0	0.0	25.0	12.0	1.0	0.0	0.0	20.0	3.0	0.0	0.0	4.0
7	0.0	40.0	0.0	0.0	64.0	0.0	9.0	11.0	9.0	0.0	0.0	8.0
8	0.0	50.0	0.0	0.0	13.0	15.0	10.0	0.0	2.0	0.0	12.0	0.0
9	90.0	0.0	10.0	0.0	0.0	3.0	0.0	0.0	4.0	3.0	37.0	21.0
10	25.0	0.0	25.0	15.0	0.0	0.0	0.0	1.0	35.0	9.0	2.0	24.0
11	55.0	0.0	0.0	0.0	0.0	0.0	13.0	24.0	22.0	45.0	0.0	80.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	50.0	0.0	0.0	9.0
13	0.0	35.0	0.0	60.0	0.0	0.0	0.0	0.0	19.0	4.0	0.0	2.0
14	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	1.0
15	10.0	0.0	40.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	1.0	6.0
16	0.0	0.0	15.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	13.0
17	0.0	0.0	0.0	0.0	4.0	0.0	23.0	0.0	0.0	0.0	10.0	20.0
18	0.0	0.0	0.0	35.0	0.0	0.0	0.0	0.0	2.0	0.0	5.0	0.0
19	15.0	0.0	50.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	1.0
20	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	1.5	0.0	11.0	3.0
21	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	13.0	0.0
22	0.0	0.0	35.0	60.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	9.0
23	21.0	0.0	0.0	1.5	0.0	0.0	10.0	0.0	0.0	0.0	1.0	10.0
24	0.0	30.0	0.0	0.0	10.0	0.0	0.0	2.0	0.0	0.0	2.0	27.0
25	0.0	0.0	26.0	70.0	20.0	0.0	0.0	0.0	9.0	0.0	1.0	18.0
26	0.0	0.0	0.0	0.0	40.0	0.0	2.0	1.0	15.0	2.0	1.0	1.0
27	0.0	0.0	0.0	0.0	20.0	0.0	9.0	0.0	62.0	13.0	2.0	0.0
28	0.0	0.0	0.0	10.0	30.0	0.0	1.0	26.0	0.0	18.0	4.0	0.0
29	0.0	50.0	2.0	0.0	0.0	0.0	0.0	3.0	0.0	21.0	0.0	0.0
30	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	9.0	7.0	0.0	0.0
31	15.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	0.0	0.0	0.0	1.0
Total	231.0	302.0	276.0	481.5	322.0	18.0	193.0	112.0	316.5	170.0	102.0	Anual
Días Ll.	7	7	9	13	14	2	14	11	21	15	14	2804.0

Estación : PALOCABILDO  
Año : 1998

Dpto. : TOLIMA  
Mpio. : FALAN

Latitud : 5 ° 74' N  
Longitud : 74 ° 53' W  
Altitud : 1500 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	0.0	10.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0
2	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	5.0	0.0	25.0	15.0
3	0.0	20.0	0.0	10.0	65.0	0.0	35.0	0.0	0.0	0.0	10.0	10.0
4	0.0	0.0	0.0	0.0	35.0	0.0	40.0	0.0	25.0	0.0	40.0	10.0
5	0.0	30.0	0.0	90.0	20.0	0.0	20.0	10.0	0.0	0.0	45.0	20.0
6	50.0	0.0	45.0	10.0	0.0	20.0	10.0	10.0	0.0	50.0	10.0	45.0
7	0.0	100.0	10.0	0.0	25.0	0.0	10.0	20.0	0.0	60.0	0.0	0.0
8	0.0	70.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	20.0	25.0	10.0
9	30.0	20.0	10.0	0.0	0.0	0.0	10.0	10.0	0.0	50.0	35.0	0.0
10	20.0	0.0	0.0	35.0	0.0	0.0	0.0	0.0	35.0	0.0	25.0	0.0
11	20.0	0.0	0.0	10.0	30.0	0.0	0.0	0.0	12.0	0.0	15.0	10.0
12	0.0	0.0	0.0	90.0	35.0	0.0	0.0	0.0	0.0	80.0	55.0	0.0
13	25.0	50.0	10.0	20.0	0.0	0.0	0.0	0.0	0.0	10.0	10.0	15.0
14	30.0	40.0	0.0	30.0	0.0	0.0	0.0	0.0	30.0	0.0	10.0	0.0
15	0.0	0.0	100.0	10.0	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	0.0	0.0	0.0	40.0	0.0	0.0
17	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0
18	0.0	0.0	0.0	10.0	0.0	0.0	40.0	20.0	0.0	45.0	0.0	10.0
19	25.0	0.0	20.0	20.0	0.0	0.0	50.0	35.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	65.0	10.0	10.0	0.0	25.0	
21	0.0	75.0	0.0	40.0	0.0	30.0	40.0	0.0	50.0	10.0	120.0	0.0
22	20.0	25.0	0.0	0.0	0.0	0.0	10.0	0.0	80.0	5.0	10.0	20.0
23	10.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	15.0	85.0	0.0	0.0
24	0.0	0.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0
25	0.0	0.0	20.0	0.0	45.0	0.0	10.0	80.0	15.0	0.0	0.0	15.0
26	0.0	0.0	0.0	60.0	10.0	0.0	0.0	35.0	15.0	0.0	15.0	45.0
27	20.0	0.0	40.0	0.0	10.0	0.0	50.0	0.0	18.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	40.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
29	30.0	0.0	20.0	15.0	0.0	0.0	10.0	45.0	0.0	10.0	0.0	15.0
30	20.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	15.0	45.0	25.0	
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total	300.0	430.0	360.0	480.0	360.0	60.0	345.0	330.0	310.0	545.0	495.0	305.0
Días Ll.	12	9	12	16	12	3	14	10	12	16	16	16

Anual

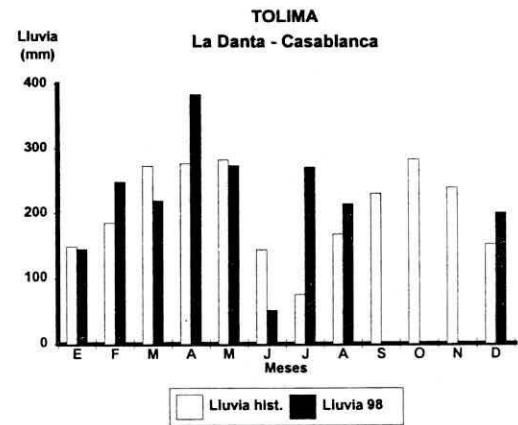
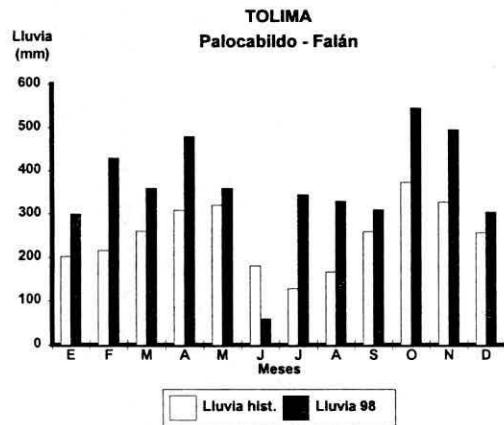
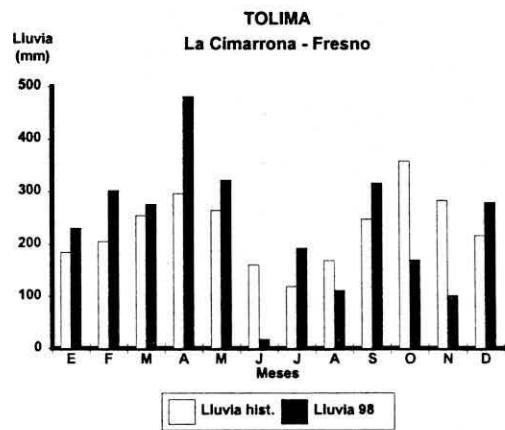
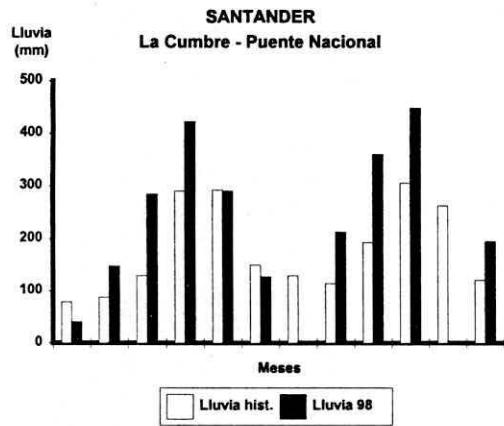
Estación : LA DANTA  
Año : 1998

Dpto. : TOLIMA  
Mpio. : CASABIANCA

Latitud : 5 ° 75' 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	25.0	11.0	20.0	0.0	0.0	0.0	0.0	0.0	22.0
2	0.0	10.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
3	0.0	0.0	5.0	20.0	30.0	0.0	37.0	0.0	0.0	0.0	0.0	3.0
4	0.0	0.0	10.0	0.0	6.0	0.0	75.0	0.0	0.0	0.0	0.0	0.0
5	0.0	20.0	0.0	26.0	10.0	0.0	0.0	16.0	0.0	0.0	0.0	25.0
6	0.0	0.0	15.0	5.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	10.0
7	0.0	90.0	20.0	3.0	0.0	0.0	1.0	5.0	0.0	0.0	0.0	20.0
8	0.0	71.0	0.0	0.0	10.0	0.0	1.0	1.0	0.0	0.0	0.0	5.0
9	0.0	0.0	2.0	2.0	0.0	0.0	20.0	16.0	0.0	0.0	0.0	10.0
10	10.0	0.0	0.0	50.0	20.0	10.0	1.0	16.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
12	0.0	0.0	3.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	3.0	1.0	10.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	10.0
14	0.0	20.0	2.0	30.0	0.0	5.0	0.0	20.0	0.0	0.0	0.0	0.0
15	0.0	10.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	5.0	5.0	16.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	10.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	2.0	0.0	0.0	70.0	10.0	0.0	0.0	0.0	0.0
19	20.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	15.0
20	40.0	12.0	0.0	38.0	0.0	0.0	0.0	0.0	31.0	0.0	0.0	25.0
21	0.0	0.0	2.0	12.0	0.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0
22	15.0	5.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	20.0	0.0	0.0	0.0	10.0	0.0	12.0	0.0	0.0	0.0	0.0	21.0
24	0.0	0.0	32.0	5.0	20.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
25	0.0	3.0	2.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	4.0	12.0	30.0	0.0	0.0	0.0	15.0	0.0	0.0	20.0
27	0.0	0.0	5.0	9.0	5.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
28	15.0	0.0	10.0	5.0	30.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0
29	0.0	20.0	3.0	2.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0
30	15.0	0.0	35.0	20.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
31	10.0	0.0	5.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
Total	145.0	249.0	220.0	384.0	274.0	51.0	272.0	215.0	—	—	—	201.0
Días Ll.	8	11	19	25	15	5	15	15	—	—	—	14

Anual



Estación : EL EDEN  
Año : 1998

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	11.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
2	0.0	0.0	0.0	19.0	0.0	28.0	0.0	0.0	0.0	0.0	30.0	12.0
3	0.0	0.0	0.0	9.0	57.0	0.0	12.0	0.0	0.0	14.0	0.0	2.0
4	0.0	2.0	0.0	0.0	0.0	0.0	72.0	0.0	26.0	4.0	12.0	0.0
5	0.0	26.0	21.0	13.0	10.0	0.0	6.0	5.0	0.0	5.0	80.0	39.0
6	9.0	12.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0
7	1.0	47.0	29.0	0.0	32.0	26.0	1.0	13.0	0.0	12.0	19.0	4.0
8	12.0	33.0	0.0	0.0	2.0	36.0	0.0	0.0	0.0	31.0	31.0	1.0
9	0.0	0.0	3.0	0.0	0.0	0.0	12.0	0.0	38.0	0.0	0.0	2.0
10	30.0	0.0	32.0	18.0	0.0	0.0	0.0	6.0	41.0	0.0	0.0	0.0
11	8.0	0.0	0.0	1.0	17.0	2.0	0.0	0.0	0.0	0.0	59.0	2.0
12	0.0	0.0	0.0	48.0	0.0	0.0	0.0	0.0	0.0	21.0	24.0	0.0
13	40.0	23.0	0.0	7.0	0.0	0.0	0.0	13.0	35.0	0.0	0.0	1.0
14	31.0	47.0	0.0	0.0	46.0	2.0	0.0	3.0	59.0	0.0	3.0	0.0
15	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	13.0
16	0.0	0.0	5.0	28.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	23.0	0.0	0.0	19.0	0.0	0.0	8.0	0.0	0.0
18	0.0	0.0	0.0	38.0	0.0	0.0	30.0	0.0	0.0	3.0	0.0	3.0
19	44.0	0.0	35.0	3.0	0.0	0.0	0.0	6.0	0.0	4.0	0.0	0.0
20	0.0	0.0	0.0	35.0	0.0	20.0	0.0	22.0	0.0	12.0	0.0	7.0
21	0.0	0.0	0.0	8.0	0.0	0.0	0.0	11.0	12.0	23.0	64.0	0.0
22	2.0	15.0	26.0	0.0	0.0	0.0	0.0	0.0	100.0	1.0	0.0	1.0
23	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	10.0	3.0	8.0
24	5.0	5.0	28.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	41.0	39.0	37.0	0.0	0.0	32.0	2.0	23.0	0.0	0.0
26	0.0	0.0	0.0	0.0	3.0	0.0	0.0	12.0	7.0	0.0	0.0	34.0
27	9.0	0.0	1.0	0.0	1.0	0.0	22.0	0.0	5.0	0.0	7.0	1.0
28	0.0	0.0	37.0	8.0	21.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
29	22.0	0.0	0.0	19.0	0.0	0.0	16.0	49.0	0.0	21.0	20.0	0.0
30	14.0	0.0	1.0	8.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	11.0
31	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	249.0	210.0	303.0	354.0	226.0	114.0	216.0	172.0	325.0	216.0	352.0	170.0
Días Ll.	14	9	15	19	10	6	12	11	10	17	12	18
												Anual

Estación : EL INCIENSAL  
Año : 1998

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	0.0	0.0	0.0	3.2	24.2	0.0	0.0	0.0	0.0	0.0	0.0	12.2
2	0.0	0.0	0.0	30.2	8.6	10.2	0.0	0.0	0.0	0.0	5.2	5.2
3	0.0	0.0	0.0	6.2	70.5	0.0	5.6	6.0	6.2	3.2	0.0	0.0
4	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	23.2	10.2	5.2	5.2
5	0.0	4.7	7.5	6.2	20.5	0.0	0.0	0.0	26.2	11.3	25.2	25.2
6	0.0	5.2	13.2	34.5	0.0	0.0	0.0	0.0	4.0	0.0	6.5	6.5
7	.4	50.2	28.2	1.2	15.5	6.4	0.0	3.0	0.0	0.0	8.6	8.6
8	0.0	30.3	0.0	0.0	2.2	12.6	0.0	22.2	40.4	5.3	5.7	5.7
9	0.0	9.5	0.0	0.0	0.0	0.0	0.0	4.5	0.0	20.4	15.2	15.2
10	0.0	0.0	4.5	8.5	0.0	0.0	0.0	6.2	0.0	26.5	6.5	6.5
11	1.5	0.0	0.0	0.0	15.2	0.0	0.0	35.2	0.0	5.4	6.7	6.7
12	4.2	0.0	0.0	15.2	4.2	0.0	0.0	34.2	0.0	6.7	0.0	0.0
13	2.3	30.2	0.0	5.2	0.0	0.0	0.0	19.2	0.0	12.2	0.0	0.0
14	1.7	15.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6
15	0.0	0.0	0.0	20.2	0.0	8.6	0.0	0.0	30.2	0.0	0.0	0.0
16	0.0	0.0	.5	0.0	0.0	0.0	13.2	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	1.4	0.0	0.0	2.5	0.0	20.2	0.0	0.0	0.0
18	0.0	0.0	0.0	17.3	0.0	0.0	28.2	0.0	3.8	1.7	4.2	4.2
19	0.0	0.0	0.0	18.3	0.0	0.0	2.3	0.0	0.0	4.2	0.0	0.0
20	4.8	0.0	12.3	13.2	0.0	0.0	0.0	6.0	5.6	3.2	0.0	0.0
21	0.0	0.0	0.0	14.3	0.0	0.0	9.6	10.3	0.0	22.5	5.6	5.6
22	0.0	0.0	17.2	0.0	0.0	11.5	3.2	75.2	4.2	23.8	0.0	0.0
23	2.2	0.0	0.0	0.0	0.0	0.0	8.4	0.0	34.2	12.3	5.3	5.3
24	0.0	0.0	2.3	10.2	0.0	0.0	0.0	0.0	5.3	15.3	6.2	6.2
25	0.0	0.0	2.5	5.8	24.2	0.0	0.0	8.3	12.3	12.2	3.4	3.4
26	0.0	0.0	0.0	0.0	9.4	0.0	0.0	7.2	0.0	6.2	5.6	5.6
27	14.0	0.0	6.8	4.2	30.2	0.0	2.0	25.2	0.0	3.2	4.8	4.8
28	0.0	0.0	5.2	0.0	34.2	0.0	30.0	0.0	0.0	5.2	0.0	0.0
29	0.0	0.0	13.2	3.7	2.2	0.0	7.8	0.0	27.2	0.0	0.0	0.0
30	.1	0.0	9.2	12.2	18.2	0.0	0.0	0.0	7.2	3.8	0.0	0.0
31	0.0	0.0	2.5	15.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	31.2	145.3	125.1	231.2	298.7	49.3	115.8	262.7	250.2	220.0	150.7	Anual
Días Ll.	9	7	14	20	16	5	12	14	15	22	18	

Estación : PLANES  
Año : 1998

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	10.0	88.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	5.0	50.0	20.0	0.0	0.0	0.0	0.0	0.0	5.0
3	0.0	0.0	0.0	20.0	30.0	0.0	9.0	0.0	5.0	30.0	12.0	
4	0.0	0.0	0.0	0.0	9.0	0.0	67.0	0.0	43.0	0.0	6.0	
5	0.0	25.0	20.0	16.0	0.0	0.0	0.0	15.0	0.0	0.0	43.0	
6	0.0	8.0	22.0	0.0	5.0	41.0	0.0	8.0	0.0	5.0	0.0	0.0
7	0.0	66.0	42.0	0.0	64.0	4.0	0.0	0.0	5.0	30.0	10.0	
8	20.0	29.0	0.0	0.0	14.0	15.0	0.0	0.0	0.0	54.0	0.0	
9	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	35.0	0.0	12.0	
10	0.0	0.0	0.0	10.0	0.0	0.0	0.0	5.0	30.0	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	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13	30.0	20.0	10.0	22.0	0.0	0.0	0.0	0.0	38.0	0.0	12.0	
14	35.0	17.0	0.0	0.0	73.0	0.0	0.0	36.0	32.0	0.0	0.0	
15	0.0	0.0	7.0	62.0	0.0	0.0	0.0	5.0	0.0	33.0	0.0	
16	0.0	0.0	5.0	0.0	10.0	0.0	22.0	0.0	0.0	0.0	0.0	
17	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18	0.0	0.0	0.0	31.0	0.0	0.0	70.0	0.0	0.0	0.0	0.0	
19	40.0	0.0	23.0	8.0	0.0	0.0	0.0	23.0	0.0	0.0	10.0	
20	0.0	0.0	0.0	31.0	0.0	10.0	0.0	42.0	0.0	16.0	20.0	
21	0.0	0.0	0.0	10.0	0.0	15.0	0.0	13.0	21.0	0.0	25.0	
22	0.0	12.0	27.0	0.0	0.0	0.0	0.0	0.0	82.0	0.0	0.0	
23	11.0	5.0	0.0	0.0	0.0	0.0	36.0	0.0	0.0	19.0	0.0	
24	0.0	0.0	11.0	0.0	0.0	0.0	0.0	10.0	20.0	0.0	0.0	
25	0.0	0.0	0.0	30.0	62.0	0.0	0.0	77.0	0.0	7.0	15.0	
26	0.0	0.0	0.0	0.0	18.0	0.0	0.0	11.0	3.0	0.0	0.0	
27	17.0	0.0	25.0	10.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	
28	0.0	12.0	35.0	0.0	0.0	0.0	0.0	0.0	4.0	16.0	0.0	
29	17.0	6.0	16.0	0.0	0.0	18.0	8.0	0.0	0.0	30.0	0.0	
30	18.0	23.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	57.0	0.0	
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Total	203.0	194.0	266.0	390.0	340.0	105.0	234.0	253.0	318.0	297.0	170.0	Anual
Días LL.	9	9	14	16	11	6	7	12	12	11	11	

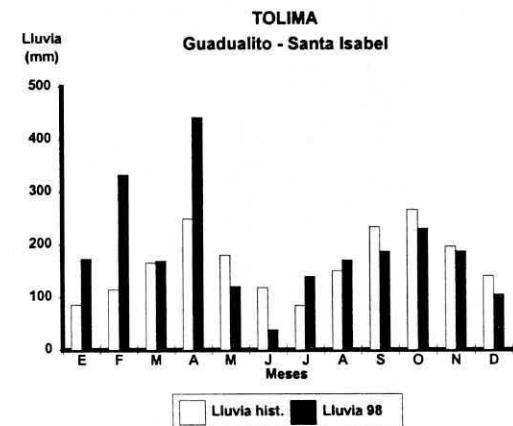
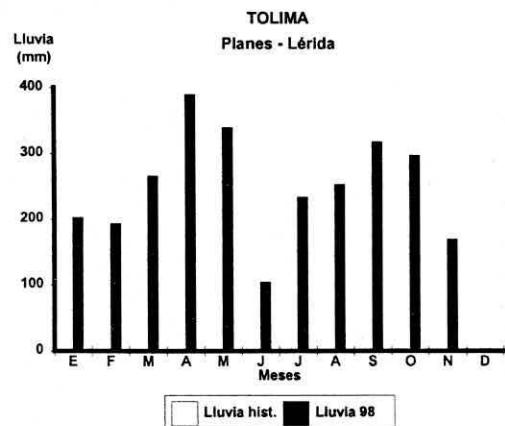
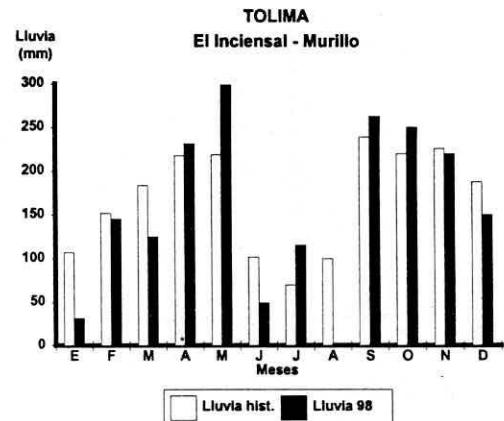
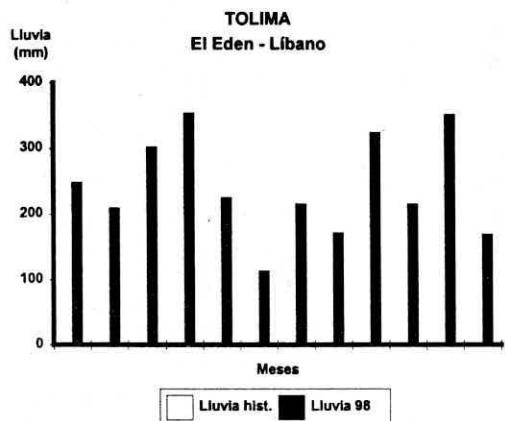
Estación : GUADUALITO  
Año : 1998

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	0.0	2.0	8.0	25.0	14.0	1.0	5.0	0.0	8.0	0.0	0.0	0.0
2	0.0	3.0	9.0	28.0	10.0	0.0	4.0	5.0	2.0	0.0	0.0	0.0
3	0.0	12.0	22.0	30.0	2.0	2.0	10.0	7.0	3.0	0.0	6.0	0.0
4	0.0	9.0	10.0	0.0	3.0	0.0	0.0	8.0	6.0	50.0	4.0	0.0
5	0.0	8.0	5.0	0.0	4.0	0.0	0.0	10.0	0.0	4.0	0.0	0.0
6	0.0	30.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	11.0
7	0.0	40.0	6.0	40.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
8	0.0	60.0	8.0	5.0	0.0	0.0	0.0	0.0	11.0	2.0	4.0	0.0
9	0.0	12.0	15.0	20.0	8.0	6.0	0.0	8.0	14.0	7.0	4.0	0.0
10	0.0	28.0	10.0	34.0	15.0	10.0	0.0	0.0	24.0	0.0	1.0	0.0
11	0.0	18.0	0.0	20.0	10.0	18.0	0.0	30.0	10.0	0.0	8.0	0.0
12	28.0	25.0	0.0	0.0	11.0	0.0	0.0	14.0	10.0	0.0	6.0	20.0
13	22.0	38.0	0.0	0.0	9.0	0.0	40.0	22.0	10.0	14.0	0.0	0.0
14	10.0	20.0	0.0	14.0	6.0	0.0	20.0	10.0	10.0	13.0	0.0	15.0
15	28.0	0.0	0.0	12.0	3.0	0.0	18.0	0.0	3.0	0.0	0.0	8.0
16	30.0	0.0	0.0	1.0	2.0	0.0	10.0	0.0	5.0	0.0	0.0	6.0
17	15.0	0.0	0.0	20.0	0.0	0.0	15.0	0.0	2.0	12.0	0.0	0.0
18	12.0	0.0	0.0	19.0	0.0	0.0	1.0	0.0	1.0	10.0	0.0	1.0
19	20.0	0.0	0.0	4.0	0.0	0.0	14.0	0.0	8.0	10.0	11.0	0.0
20	0.0	0.0	2.0	6.0	0.0	0.0	0.0	0.0	4.0	15.0	22.0	0.0
21	0.0	0.0	5.0	8.0	0.0	0.0	0.0	0.0	2.0	30.0	30.0	0.0
22	0.0	0.0	4.0	10.0	0.0	0.0	0.0	20.0	11.0	8.0	14.0	0.0
23	0.0	0.0	2.0	11.0	0.0	0.0	0.0	10.0	4.0	4.0	15.0	0.0
24	4.0	0.0	4.0	42.0	0.0	0.0	1.0	15.0	8.0	12.0	11.0	10.0
25	2.0	0.0	6.0	30.0	10.0	0.0	2.0	12.0	22.0	0.0	26.0	6.0
26	0.0	0.0	18.0	11.0	1.0	0.0	0.0	0.0	10.0	0.0	10.0	11.0
27	0.0	0.0	0.0	15.0	2.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0
28	2.0	30.0	0.0	10.0	4.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0
29	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0
30	0.0	0.0	10.0	12.0	0.0	2.0	0.0	0.0	0.0	4.0	0.0	0.0
31	0.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	

Total	173.0	333.0	170.0	442.0	121.0	39.0	140.0	171.0	188.0	231.0	188.0	106.0
Días LL.	11	15	19	25	18	6	12	13	23	17	17	11
												2302.0



Estación : EL RECREO  
Año : 1998

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	0.0	0.0	16.0	0.0	10.0	0.0	0.0	0.0	0.0			
2	0.0	0.0	0.0	30.0	17.0	0.0	0.0	0.0	0.0			
3	0.0	0.0	0.0	60.0	36.0	0.0	0.0	0.0	0.0			
4	0.0	0.0	0.0	0.0	32.0	0.0	0.0	0.0	0.0			
5	0.0	0.0	0.0	35.0	0.0	0.0	0.0	20.0	0.0			
6	6.0	0.0	0.0	38.0	0.0	0.0	0.0	0.0	0.0			
7	0.0	83.0	0.0	30.0	0.0	0.0	0.0	10.0	86.0			
8	0.0	41.0	0.0	0.0	40.0	0.0	36.0	0.0	0.0			
9	24.0	0.0	0.0	0.0	0.0	41.0	0.0	0.0	0.0			
10	0.0	0.0	25.0	18.0	40.0	10.0	0.0	0.0	0.0			
11	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0			
12	0.0	0.0	36.0	35.0	40.0	0.0	0.0	0.0	0.0			
13	0.0	43.0	0.0	31.0	41.0	0.0	0.0	5.0	0.0			
14	18.0	42.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0			
15	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0			
16	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0			
17	0.0	0.0	0.0	60.0	0.0	0.0	0.0	0.0	56.0			
18	0.0	0.0	0.0	75.0	0.0	10.0	18.0	18.0	0.0			
19	29.0	59.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0			
20	0.0	0.0	0.0	61.0	0.0	0.0	0.0	9.0	0.0			
21	0.0	0.0	0.0	47.0	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	10.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0			
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0			
25	0.0	0.0	0.0	30.0	10.0	0.0	0.0	56.0	0.0			
26	0.0	0.0	0.0	37.0	0.0	0.0	0.0	9.0	20.0			
27	0.0	0.0	16.0	15.0	20.0	0.0	0.0	0.0	0.0			
28	0.0	0.0	0.0	0.0	114.0	0.0	0.0	0.0	0.0			
29	0.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
30	0.0	10.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0			
31	0.0	29.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0			
Total	77.0	278.0	199.0	587.0	447.0	61.0	54.0	176.0	162.0			Anual
Días Ll.	4	6	10	16	13	3	2	10	3			

Estación : LA MESETA  
Año : 1998

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	0.0	0.0	8.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	10.0	10.0	4.0	0.0
3	0.0	0.0	10.0	4.0	0.0	0.0	20.0	20.0	40.0	40.0	10.0	10.0
4	10.0	0.0	4.0	10.0	3.0	0.0	4.0	30.0	2.0	2.0	2.0	40.0
5	0.0	0.0	0.0	0.0	18.0	4.0	0.0	0.0	0.0	0.0	0.0	4.0
6	0.0	40.0	0.0	0.0	4.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	10.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	6.0	0.0	4.0	0.0	0.0	40.0	0.0	6.0	0.0	40.0	30.0
9	60.0	20.0	40.0	0.0	10.0	40.0	20.0	10.0	12.0	60.0	20.0	6.0
10	0.0	60.0	14.0	0.0	40.0	10.0	4.0	6.0	0.0	30.0	16.0	4.0
11	0.0	4.0	0.0	0.0	20.0	4.0	0.0	2.0	0.0	40.0	0.0	0.0
12	0.0	8.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
13	0.0	10.0	0.0	16.0	0.0	0.0	0.0	0.0	60.0	4.0	2.0	60.0
14	40.0	0.0	0.0	4.0	6.0	0.0	0.0	0.0	40.0	0.0	4.0	40.0
15	0.0	0.0	0.0	0.0	4.0	0.0	0.0	8.0	6.0	0.0	60.0	20.0
16	0.0	0.0	0.0	0.0	8.0	30.0	10.0	12.0	0.0	10.0	20.0	10.0
17	0.0	0.0	0.0	0.0	0.0	60.0	16.0	40.0	0.0	2.0	4.0	0.0
18	0.0	0.0	20.0	14.0	10.0	2.0	2.0	0.0	0.0	0.0	30.0	0.0
19	0.0	10.0	4.0	10.0	0.0	0.0	0.0	0.0	8.0	0.0	6.0	2.0
20	14.0	4.0	0.0	0.0	2.0	0.0	0.0	0.0	10.0	40.0	2.0	0.0
21	0.0	0.0	0.0	0.0	40.0	0.0	0.0	10.0	0.0	20.0	6.0	0.0
22	0.0	0.0	0.0	4.0	0.0	0.0	0.0	18.0	0.0	60.0	20.0	6.0
23	0.0	6.0	0.0	2.0	0.0	8.0	0.0	4.0	0.0	30.0	60.0	0.0
24	0.0	2.0	10.0	8.0	0.0	0.0	40.0	0.0	20.0	0.0	10.0	0.0
25	6.0	0.0	2.0	0.0	60.0	4.0	10.0	0.0	30.0	20.0	40.0	40.0
26	0.0	0.0	4.0	0.0	50.0	0.0	0.0	40.0	0.0	10.0	30.0	20.0
27	0.0	0.0	0.0	10.0	40.0	0.0	0.0	60.0	0.0	30.0	20.0	0.0
28	0.0	20.0	0.0	40.0	30.0	0.0	0.0	4.0	0.0	40.0	30.0	4.0
29	40.0	16.0	10.0	20.0	0.0	30.0	0.0	0.0	0.0	10.0	20.0	0.0
30	20.0	20.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0
31	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	190.0	200.0	144.0	190.0	387.0	184.0	196.0	268.0	244.0	484.0	456.0	296.0
Días Ll.	7	13	11	16	20	11	11	15	12	20	23	15

3239.0

Estación : POCO A POCO  
Año : 1998

Dpto. : TOLIMA  
Mpio. : CHAPARRAL

Latitud : 3 ° 47'N  
Longitud : 75 ° 33'W  
Altitud : 1340 m

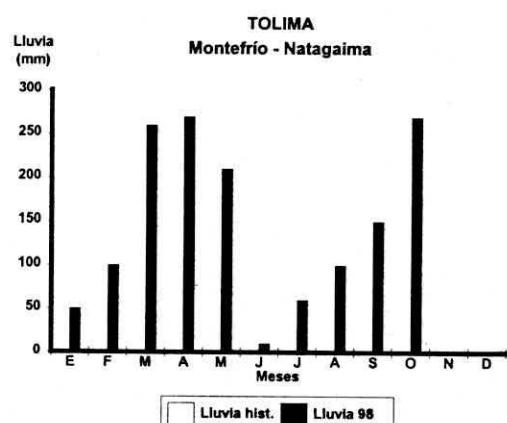
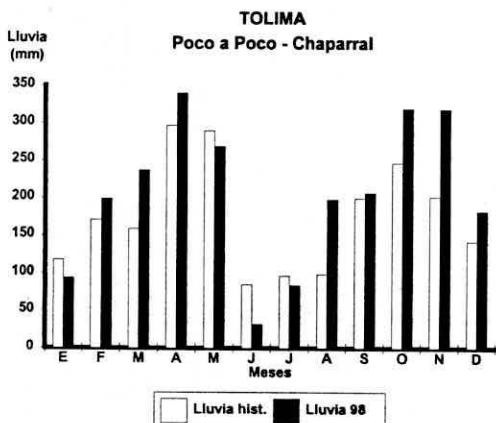
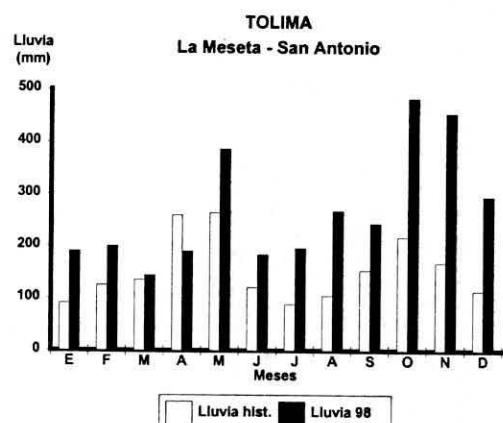
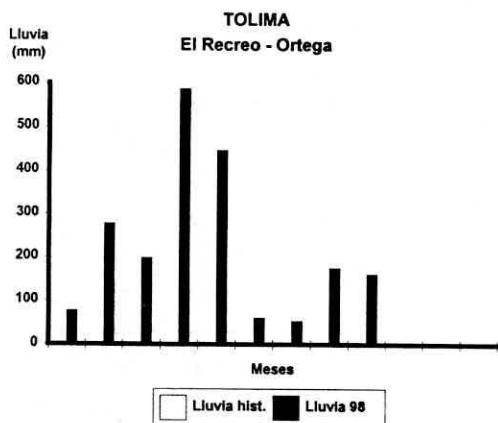
Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	0.0	0.0	13.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	35.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0
3	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	32.0	0.0	40.0	0.0
4	0.0	0.0	0.0	40.0	30.0	0.0	3.0	0.0	0.0	30.0	0.0	3.0
5	0.0	2.0	3.0	0.0	22.0	0.0	1.0	26.0	0.0	16.0	49.0	12.0
6	0.0	0.0	0.0	55.0	0.0	0.0	0.0	24.0	0.0	10.0	0.0	0.0
7	4.0	54.0	7.0	55.0	0.0	0.0	0.0	15.0	40.0	0.0	0.0	0.0
8	0.0	50.0	0.0	0.0	25.0	0.0	25.0	0.0	40.0	0.0	39.0	0.0
9	40.0	23.0	0.0	0.0	18.0	0.0	0.0	14.0	34.0	0.0	0.0	22.0
10	0.0	4.0	0.0	35.0	0.0	0.0	7.0	42.0	0.0	0.0	13.0	7.0
11	0.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	20.0
12	11.0	7.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	10.0	16.0
13	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	9.0	0.0	0.0	0.0	0.0	2.0	0.0	3.0	0.0	19.0	0.0	25.0
15	0.0	0.0	12.0	27.0	0.0	0.0	0.0	0.0	0.0	34.0	12.0	0.0
16	0.0	0.0	0.0	13.0	15.0	0.0	2.5	0.0	0.0	0.0	2.0	0.0
17	0.0	0.0	0.0	8.0	0.0	0.0	20.0	0.0	0.0	10.0	0.0	0.0
18	0.0	0.0	0.0	11.0	0.0	0.0	6.0	8.0	52.0	60.0	3.0	3.0
19	4.0	0.0	0.0	14.0	0.0	0.0	0.0	3.0	0.0	0.0	9.0	0.0
20	15.0	0.0	0.0	18.0	0.0	0.0	0.0	44.0	0.0	40.0	0.0	0.0
21	0.0	0.0	0.0	13.0	0.0	5.0	0.0	17.0	0.0	17.0	50.0	0.0
22	0.0	9.0	40.0	0.0	30.0	25.0	0.0	0.0	0.0	15.0	23.0	0.0
23	0.0	0.0	5.0	0.0	6.0	0.0	0.0	0.0	0.0	18.0	0.0	13.0
24	0.0	0.0	0.0	7.0	27.0	0.0	0.0	0.0	0.0	13.0	6.0	10.0
25	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0
26	0.0	27.0	0.0	6.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0
27	0.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0	5.0	3.0	8.0	0.0
28	0.0	0.0	65.0	0.0	0.0	0.0	10.0	0.0	4.0	0.0	20.0	0.0
29	0.0	9.0	3.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	11.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0	14.0	21.0
31	0.0	73.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	Anual
Total	94.0	199.0	237.0	340.0	269.0	32.0	84.5	198.0	207.0	320.0	319.0	183.0
Días Ll.	7	10	10	15	14	3	9	11	7	16	17	13

Estación : MONTEFRÍO  
Año : 1998

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	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	50.0	10.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0
4	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0
5	0.0	0.0	0.0	0.0	20.0	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	50.0	30.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
8	0.0	30.0	10.0	0.0	70.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	40.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
12	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	10.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	20.0	0.0	0.0	0.0
18	30.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0
19	20.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0	0.0
20	0.0	30.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0
21	0.0	0.0	0.0	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	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0
24	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	30.0	0.0
26	0.0	0.0	0.0	20.0	50.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
27	0.0	0.0	90.0	0.0	10.0	0.0	0.0	10.0	0.0	0.0	60.0	0.0
28	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0
29	0.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	10.0	0.0
31	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Anual
Total	50.0	100.0	260.0	270.0	210.0	10.0	60.0	100.0	150.0	270.0		
Días Ll.	2	4	7	8	8	1	3	4	7	10		



Estación : EL PLACER  
Año : 1998

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	0.0	0.0	20.0	0.0	10.0	0.0	35.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	12.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	25.0
3	0.0	0.0	0.0	3.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	10.0	4.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	20.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	3.0	70.0	0.0	0.0
7	0.0	40.0	12.0	12.0	0.0	0.0	48.0	35.0	0.0	0.0	0.0	0.0
8	0.0	30.0	19.0	28.0	0.0	24.0	0.0	0.0	0.0	0.0	0.0	9.0
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
10	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	0.0	0.0	0.0	26.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0
12	20.0	20.0	0.0	10.0	10.0	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	0.0	10.0	0.0	0.0	0.0
14	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	26.0	23.0	0.0	0.0	0.0	19.0
18	0.0	0.0	10.0	8.0	0.0	0.0	36.0	30.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	12.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0
20	10.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
21	0.0	0.0	0.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	20.0	47.0	0.0	0.0	18.0	17.0	0.0	28.0	0.0	25.0
23	0.0	0.0	10.0	0.0	0.0	12.0	0.0	0.0	0.0	15.0	0.0	0.0
24	0.0	13.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0
25	0.0	0.0	0.0	27.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	10.0	12.0	28.0	13.0	0.0	0.0	0.0	0.0	0.0	26.0
27	0.0	0.0	15.0	14.0	32.0	0.0	0.0	5.0	3.0	0.0	18.0	0.0
28	0.0	0.0	20.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0
29	0.0	0.0	34.0	4.0	0.0	24.0	20.0	0.0	0.0	0.0	0.0	30.0
30	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	10.0	0.0	4.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0

Anual

Total	30.0	103.0	166.0	370.0	175.0	85.0	154.0	196.0	18.0	128.0	54.0	149.0	1628.0
Días Ll.	2	4	11	20	9	7	6	10	4	4	3	7	

Estación : CAMPANELLA  
Año : 1998

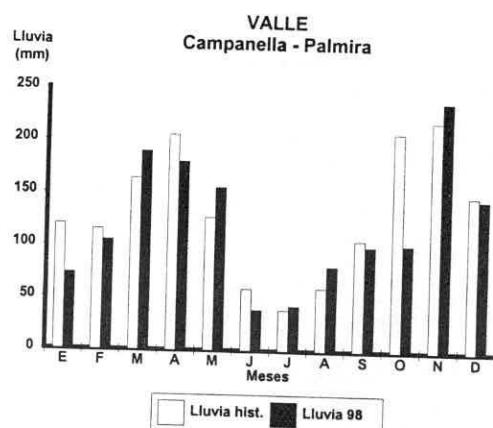
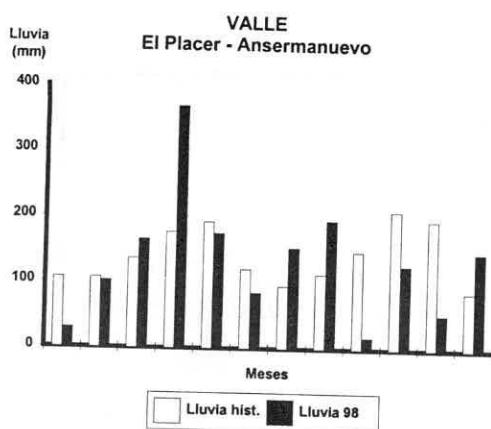
Dpto. : VALLE  
Mpio. : PALMIRA

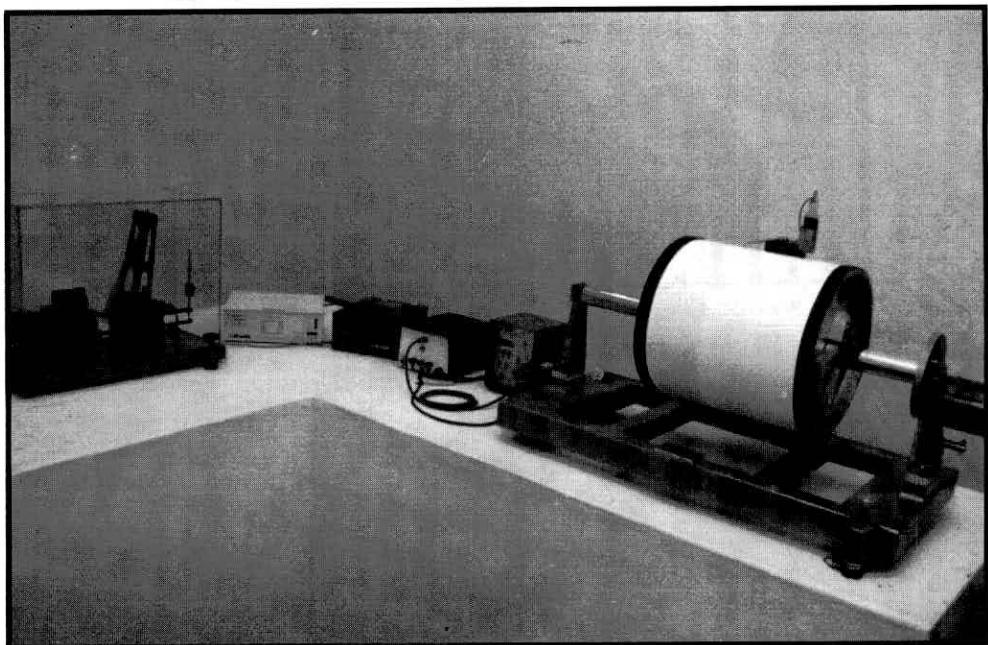
Latitud : 3 ° 29' N  
Longitud : 76 ° 12' W  
Altitud : 1550 m

Día	Ene.	Feb.	Mar.	Abr.	May.	Jun.	Jul.	Ago.	Sep.	Oct.	Nov.	Dic.
1	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	11.0	4.0
2	0.0	0.0	3.0	0.0	8.0	0.0	1.0	0.0	3.0	5.0	7.0	4.0
3	0.0	0.0	0.0	74.0	10.0	0.0	1.0	5.0	0.0	0.0	4.0	0.0
4	0.0	0.0	0.0	0.0	30.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	5.0	0.0	0.0	15.0	2.0	3.0	11.0	0.0
6	22.0	0.0	0.0	32.0	0.0	0.0	0.0	3.0	0.0	7.0	5.0	5.0
7	0.0	2.0	0.0	2.0	0.0	0.0	1.0	12.0	0.0	0.0	6.0	22.0
8	0.0	77.0	2.0	0.0	0.0	22.0	1.0	0.0	0.0	2.0	5.0	0.0
9	0.0	5.0	0.0	0.0	0.0	2.0	1.0	0.0	4.0	0.0	0.0	1.0
10	0.0	0.0	0.0	0.0	7.0	0.0	3.0	16.0	0.0	0.0	9.0	0.0
11	0.0	0.0	0.0	19.0	0.0	0.0	0.0	0.0	20.0	0.0	3.0	2.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.0	6.0	15.0	10.0
13	49.0	8.0	35.0	12.0	0.0	0.0	4.0	0.0	0.0	0.0	12.0	0.0
14	0.0	9.0	15.0	0.0	0.0	6.0	0.0	8.0	0.0	0.0	0.0	1.0
15	0.0	0.0	0.0	4.0	0.0	6.0	8.0	3.0	0.0	0.0	4.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	5.0	0.0
17	0.0	0.0	0.0	10.0	0.0	0.0	1.0	0.0	0.0	0.0	3.0	26.0
18	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	6.0	36.0	0.0	2.0
19	0.0	0.0	0.0	11.0	0.0	0.0	6.0	0.0	0.0	0.0	2.0	13.0
20	0.0	0.0	0.0	5.0	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	8.0	0.0	0.0	16.0	63.0	22.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.0	0.0	3.0	3.0
23	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
24	0.0	2.0	35.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	41.0	10.0
25	0.0	0.0	0.0	0.0	10.0	0.0	0.0	17.0	0.0	6.0	0.0	0.0
26	0.0	0.0	0.0	3.0	42.0	0.0	0.0	0.0	15.0	0.0	8.0	0.0
27	0.0	0.0	24.0	0.0	8.0	1.0	0.0	0.0	0.0	4.0	12.0	0.0
28	0.0	2.0	15.0	8.0	18.0	2.0	0.0	0.0	0.0	0.0	0.0	16.0
29	2.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.0	0.0
30	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	6.0	3.0
31	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0

Anual

Total	73.0	105.0	190.0	180.0	156.0	39.0	43.0	81.0	100.0	102.0	239.0	146.0	1454.0
Días Ll.	3	7	11	11	11	6	14	9	8	13	22	17	





**ESTACION SISMOLÓGICA**

**ACTIVIDAD SÍSMICA REGISTRADA EN LA ESTACIÓN DE CENICAFÉ  
CHINCHINÁ - COLOMBIA, DURANTE EL AÑO 1998**

Origen del sismo	Fecha	Coordenadas		Magnitud*
Isla Volcano	Enero 1°	23,9N	141,9E	6,4
Guatemala	Enero 10	14,3N	91,4W	6,1
Oxaca, México	Febrero 3	15,8N	96,3W	6,0
Perú	Febrero 19	10,9S	74,4W	5,8
Colombia	Marzo 3	6,7N	73,0W	4,1
Islas Belleny	Marzo 25	62,9S	149,5E	6,6
Sumatra, Indonesia	Abril 1°	0,5S	99,2E	6,2
Costa Sur de Chile	Abril 1°	40,3S	74,9W	6,2
Taiwan	Mayo 3	22,3N	125,3E	6,4
Panamá	Mayo 11	4,7N	82,6W	5,0
San Juan, Argent.	Junio 7	31,5S	67,8W	5,6
Chiapas, México	Junio 7	16,0N	93,8W	5,8
Islas Azores	Julio 9	38,6N	28,6W	5,7
Chile	Julio 29	32,3S	71,2W	6,3
Ecuador	Agosto 4	0,6S	80,4W	6,2
Islas Filipinas	Agosto 23	14,7N	120,0E	6,1-
Costa de Centroamérica	Agosto 23	11,6N	88,0W	5,7
Filipinas	Septiembre 2	5,4N	126,7E	6,6
Sulawesi	Septiembre 21	0,2N	122,5E	6,1
Colombia	Octubre 26	6,7N	73,1W	4,6
Perú	Noviembre 5	10,3S	78,3W	5,4
Panamá	Noviembre 17	7,6N	82,7W	5,2
Colombia	Diciembre 4	6,8N	73,0W	4,5

\* Escala de Richter (0 a 9 grados)