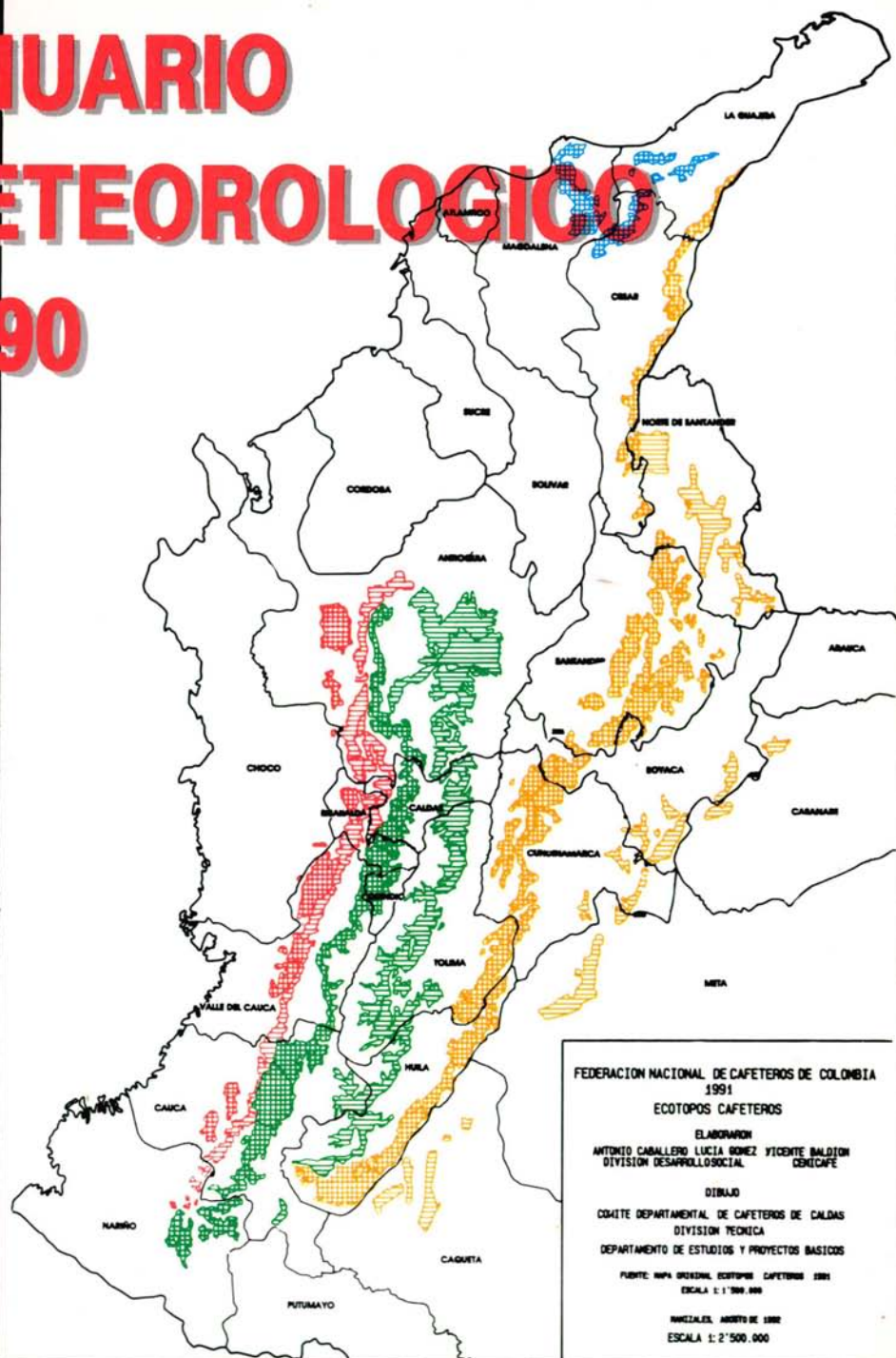


# ANUARIO METEOROLOGICO 1990



## Cenicafé

CENTRO NACIONAL DE INVESTIGACIONES DE CAFE  
"Pedro Uribe Mejía"  
Chinchiná - Caldas - Colombia

# A NUARIO 1990 M ETEOROLOGICO



**Cenicafé**

CENTRO NACIONAL DE INVESTIGACIONES DE CAFE

"Pedro Uribe Mejía"

1991 OBTENIDA  
MÉTRICO

COLORGRÁFICAS MANIZALES

1991 OBTENIDA





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DE INVESTIGACIONES DE CAFE. CENICAFE. Chinchiná (Colombia). Anuario  
Meteorológico 1990. Chinchiná (Colombia), CENICAFE, 1992. 354 p.

V1.- 1950.

**FEDERACION NACIONAL DE CAFETEROS DE COLOMBIA**

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

**DISCIPLINA DE AGROCLIMATOLOGIA**

# **ANUARIO METEOROLOGICO 1990**

Se canjea con publicaciones de la misma índole

**DIRECCION**

CENICAFE, Chinchiná, Caldas, Colombia

**ADDRESS**

*La información de este anuario fué compilada por los investigadores de Cenicafe Orlando Guzmán Martínez , Jose Vicente Baldión Rincón con la participación del personal auxiliar de la Disciplina de Agroclimatología, señores Edilberto Taborda, Carlos Roldán, Raúl Castaño, Fabián Sánchez, Luis Fernando Torres, John J. Ramírez y Wilmar Rendón, y la orientación de la doctora Lucía Gómez Gómez. Además, contó con la asesoría del doctor Michel Prieto Trujillo y el Programador Carlos Hernán Gallego de la Disciplina de Sistemas. Igualmente se reconoce la valiosa cooperación de los Comités Departamentales de Cafeteros a través 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 1990 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 heliopluiográficas 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 bimetalico y de cabellos para la temperatura y humedad respectivamente, pluviógrafo tipo Hellman, pluviómetro con regilla de 200 cm<sup>2</sup> de boca colectora y heliógrafo tipo Campbell-Stokes.

El horario de observaciones está de acuerdo con las recomendaciones de la Organización Meteorológica Mundial -OMM- y comprende tres lecturas diarias de los diferentes elementos a las 0700, 1300 y 1900 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 (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
- $E_1$  = tensión del vapor de saturación a la temperatura  $t_1$
- $A_p$  = constante psicrométrica (en función del aparato y de la presión atmosférica)
- t = temperatura del termómetro seco en °C
- $t_1$  = temperatura del termómetro húmedo en °C

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

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

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:

$$HR = \frac{0700 + 1300 + 1900}{3}$$

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

$$T = \frac{0700 + 1300 + 1900 + 1900}{4}$$

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 0700 a 1900 horas y de 1900 a 0700 horas durante la noche, respectivamente.

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

Lluvia diurna = total registrado desde las 0700 hasta las 1900 horas.

Luvia nocturna = total acumulado desde las 1900 hasta las 0700 horas del día siguiente.

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

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.

## **MODIFICACIONES EN LA PRESENTACION DEL ANUARIO**

La presentación del anuario continúa inmodificable y solamente se han introducido algunas ligeras variaciones en el texto tal como se especifican a continuación:

**Estaciones climatológicas principales.** En el formato por meses y en el resumen anual se han eliminado las columnas correspondientes a la tensión de vapor y al punto de rocío.

**Estaciones heliopluiográficas.** Para la lluvia se adopta la misma forma de presentación empleada en las estaciones climatológicas, es decir, aparte del total diario se encuentra la cantidad de lluvia caída en el día y en la noche.

**Estaciones pluviográficas.** La lluvia se organiza también como en el caso anterior.

## **MODIFICACIONES EN LA RED DEL SERVICIO METEOROLOGICO**

Las novedades presentadas durante el año de 1990 en relación con la red meteorológica fueron las siguientes:

### **Cambios de categoría**

**El puesto pluviométrico.** El Tambor-Victoria (Caldas) se elevó a la categoría de heliopluiográfica en septiembre. La estación heliopluiográfica Mesitas de Santa Inés pasó a climatológica principal en noviembre.

## Estaciones nuevas

Se instaló la estación heliopluiográfica Gabriel M. Barriga en el municipio de Convención (Norte de Santander), en el mes de noviembre.

## Puestos pluviométricos nuevos

Nombre Municipio	Departamento
Guacas (marzo)	Caldas
Pensilvania	
Hogar Juvenil (enero)	Caldas
Pensilvania	
La Granja (abril)	Quindío
Génova	

Reiniciaron toma de observaciones los puestos pluviométricos de La Linda en Pácora (Caldas) y Los Cábmulos en Pereira (Risaralda) en los meses de marzo y mayo, respectivamente.

## 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.

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\* GOMEZ G.,L.; CABALLERO R.,A.; BALDION R.,J.V. Ecotopos cafeteros de Colombia. Región cafetera. Santa Fe de Bogotá (Colombia), FEDERACAFE. 1991. 131p.

**CORDILERA OCCIDENTAL - VERTIENTE OCCIDENTAL**

Estación	Municipio	Departamento	Latitud Norte	Longitud Oeste	Altitud m	Corriente	Ecotopo
La Zulia	Pueblo Rico	Risaralda	05° 13'	76° 01'	1.480	Tatamá	102A
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**

Miguel Valencia	Jardín	Antioquia	05° 36'	75° 51'	1.570	Claro	105B	
El Descanso	Marmato	Caldas	05° 30'	75° 37'	1.800	Cauca	106B	
Rafael Escobar	Supía	Caldas	05° 28'	75° 39'	1.320	Cauca	106B	
La Argentina	Riosucio	Caldas	05° 28'	75° 42'	1.420	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	
Buenos Aires	Guática	Risaralda	05° 20'	75° 48'	1.830	Guática	106B	
Ospirma	Guática	Risaralda	05° 20'	75° 49'	1.680	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 Delfita	Belén de Umbría	Risaralda	05° 12'	75° 52'	1.520	Risaralda	107B	
Los Cábulos	Belén de Umbría	Risaralda	05° 09'	75° 53'	1.400	Risaralda	107B	
El Samán	Risaralda	Caldas	05° 09'	75° 46'	1.550	Cauca	107B	
Los Naranjos	Santuario	Risaralda	05° 03'	76° 00'	1.650	Mapa	108B	
La Tribuna	Balboa	Risaralda	04° 57'	75° 57'	1.500	Risaralda	108B	
Ingenio Risaralda	Balboa	Risaralda	04° 55'	75° 54'	1.000	Risaralda	108B	
Santa Marta	El Aguila	Valle	04° 52'	76° 03'	1.760	Catarina	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 María Mallarino		Trujillo	Valle	04° 13'	76° 19'	1.380	Culebras	110B

**CORDILLERA CENTRAL- VERTIENTE OCCIDENTAL**

El Rosario	Venecia	Antioquia	05° 58'	75° 43'	1.600	Sinifana	203A
Bariloche	Fredonia	Antioquia	05° 56'	75° 41'	1.700	Granadero	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 Julia	Pácora	Caldas	05° 18'	75° 34'	1.650	Maibá	204A
San Isidro	Filadelfia	Caldas	05° 14'	75° 34'	1.600	Tareas	205A
La Selva	Manizales	Caldas	05° 07'	75° 36'	1.350	Guacaica	205A
Granja Luker	Palestina	Caldas	05° 05'	75° 41'	1.020	Chinchiná	206A
Santágueda	Palestina	Caldas	05° 05'	75° 40'	1.010	Chinchiná	206A
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
Santa Ana	Palestina	Caldas	05° 01'	75° 40'	1.250	Campoalegre	206A
La Palmera	Marsella	Risaralda	05° 00'	75° 45'	1.450	San Francisco	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 Romelia	Chinchiná	Caldas	04° 58'	75° 40'	1.400	Campoalegre	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

Estación	Municipio	Departamento	Latitud Norte	Longitud Oeste	Altitud m	Corriente	Ecotopo
El Castillo	Santa Rosa de Cabal	Risaralda	04° 56'	75° 40'	1.550	San Eugenio	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	San Eugenio	206A
Agronomía	Manizales	Caldas	05° 03'	75° 29'	2.150	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 Sena	Armenia	Quindío	04° 34'	75° 39'	1.550	Quindío	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 Cábmulos	Pereira	Risaralda	04° 49'	75° 50'	1.240	Cauca	209A
Planta Tratamiento	Pereira	Risaralda	04° 48'	75° 40'	1.450	Otún	209A
La Renta	Pereira	Risaralda	04° 47'	75° 42'	1.250	Consota	209A
Hiroshima	Pereira	Risaralda	04° 46'	75° 44'	1.340	Consota	209A
La Catalina	Pereira	Risaralda	04° 45'	75° 45'	1.350	Consota	209A
La Abuelita	Pereira	Risaralda	04° 44'	75° 47'	1.250	Barbas	209A
El Recreo	Ulloa	Valle	04° 42'	75° 44'	1.410	Barbas	209A
Arturo Gómez	Alcalá	Valle	04° 40'	75° 47'	1.320	La Vieja	209A
Bremen	Circasia	Quindío	04° 40'	75° 37'	2.040	Roble	210A
La Esperanza	Filandia	Quindío	04° 38'	75° 42'	1.700	La Vieja	210A
Vivero	Quimbaya	Quindío	04° 37'	75° 46'	1.400	La Vieja	210A
El Rocío	Quimbaya	Quindío	04° 37'	75° 45'	1.340	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 Julia	Montenegro	Quindío	04° 33'	75° 45'	1.320	Espejo	210A
Sorrento	Montenegro	Quindío	04° 32'	75° 50'	1.200	La Vieja	210A
Tucumán	Armenia	Quindío	04° 32'	75° 44'	1.250	Espejo	210A
El Agrado	Montenegro	Quindío	04° 31'	75° 47'	1.350	Espejo	210A
La Bella	Calarcá	Quindío	04° 30'	75° 40'	1.450	Quindío	210A
El Paraíso	Calarcá	Quindío	04° 29'	75° 42'	1.400	Quindío	210A
El Jardín	Calarcá	Quindío	04° 28'	75° 42'	1.300	Santo Domingo	210A
La Pradera	Armenia	Quindío	04° 28'	75° 43'	1.350	Quindío	210A
Quebradanegra	Calarcá	Quindío	04° 27'	75° 40'	1.500	Santo Domingo	210A
La Miranda	La Tebaida	Quindío	04° 26'	75° 50'	1.220	La Vieja	210A
La Argentina	La Tebaida	Quindío	04° 26'	75° 46'	1.200	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
El Berrión	Cartago	Valle	04° 41'	75° 51'	1.150	La Vieja	212A
Venecia	Caicedonia	Valle	04° 20'	75° 50'	1.170	Pijao	213A
Heraclio Uribe	Sevilla	Valle	04° 17'	75° 55'	1.540	Pijao	213A
La Sirena	Sevilla	Valle	04° 17'	75° 55'	1.500	Pijao	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	Santander de Quilichao	Cauca	03° 01'	76° 29'	1.112	Quilichao	217A
La Trinidad	Piendamó	Cauca	02° 44'	76° 34'	1.600	Tunia	218A
Manuel Mejía	El Tambo	Cauca	02° 25'	76° 45'	1.700	Piedras	218A
La Campiña	Timbio	Cauca	02° 24'	76° 40'	1.800	Robles	218A
Portachuelo	Rosas	Cauca	02° 15'	76° 45'	1.750	Esmita	219A
El Sauce	La Unión	Nariño	01° 37'	77° 06'	1.800	Mayo	220A
Ospina Pérez	Consacá	Nariño	01° 15'	77° 29'	1.700	Guaitara	221A

#### CORDILLERA CENTRAL - VERTIENTE ORIENTAL

Hogar Juvenil	Pensilvania	Caldas	05° 30'	75° 11'	1.560	Samaná	205B
Guacas	Pensilvania	Caldas	05° 28'	75° 10'	1.700	Dulce	205B

Estación	Municipio	Departamento	Latitud Norte	Longitud Oeste	Altitud m	Corriente	Ecotopo
El Tambor	Victoria	Caldas	05° 24'	74° 54'	850	Doña Juana	205B
La Corneta	Victoria	Caldas	05° 23'	74° 54'	800	Doña Juana	205B
Cuba	Victoria	Caldas	05° 20'	74° 56'	1.050	Doña Juana	205B
La Pastorita	Victoria	Caldas	05° 19'	74° 57'	1.100	Guarinó	205B
Santa Helena	Marquetalia	Caldas	05° 19'	75° 00'	1.450	La Miel	205B
La Mesa	Mariquita	Tolima	05° 14'	74° 58'	1.200	Sucio	206B
Llanadas	Manzanares	Caldas	05° 12'	75° 08'	1.420	Santo Domingo	206B
La Cimarrona	Fresno	Tolima	05° 10'	75° 01'	1.340	Sucio	206B
Palocabildo	Falan	Tolima	05° 07'	75° 01'	1.500	Sabandija	206B
La Danta	Casabianca	Tolima	05° 06'	75° 06'	1.700	Gualí	206B
El Edén	Líbano	Tolima	04° 58'	75° 00'	1.350	Lagunilla	207B
La Trinidad	Líbano	Tolima	04° 54'	75° 03'	1.430	Recio	207B
El Inciensial	Murillo	Tolima	04° 53'	75° 08'	2.400	Lagunilla	207B
Guadualito	Santa Isabel	Tolima	04° 42'	75° 04'	1.620	Totaré	208B
Totarito	Alvarado	Tolima	04° 40'	75° 01'	1.250	Totaré	208B
Janiyof	Anzoátegui	Tolima	04° 38'	75° 06'	1.720	Totaré	208B
La Primavera	Ibagué	Tolima	04° 25'	75° 15'	1.300	Combeima	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
El Limón	Chaparral	Tolima	03° 40'	75° 35'	990	Amoyá	210B
Montefrío	Natagaima	Tolima	03° 29'	75° 16'	1.500	Patá	211B
Los Andes	Planadas	Tolima	03° 11'	75° 37'	1.500	Atá	211B
Corrales	Teruel	Huila	02° 43'	75° 33'	1.450	Yaguará	212B

#### CORDILLERA ORIENTAL - VERTIENTE OCCIDENTAL

Julián Rey	Rionegro	Santander	07° 20'	73° 07'	1.240	Santa Cruz	302A
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
Miporal	Floridablanca	Santander	07° 05'	73° 04'	1.200	Frío	302A
La Loma	Floridablanca	Santander	07° 04'	73° 04'	1.400	Frío	302A
El Silencio	Rionegro	Santander	07° 24'	73° 13'	1.120	Cáchira del Sur	303A
Chochos	Hato	Santander	06° 33'	73° 19'	1.400	Suárez	305A
La Laguna	Páramo	Santander	06° 30'	73° 09'	1.550	Fonce	305A
Las Flores	Pinchote	Santander	06° 29'	73° 11'	1.700	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
Sevilla	Guadalupe	Santander	06° 15'	73° 22'	1.390	Oibita	307A
Villanueva	Charalá	Santander	06° 14'	73° 10'	1.450	Pienta	307A
Cielo Roto	Suaita	Santander	06° 07'	73° 23'	1.540	Tolotá	307A
Buenavista	Barbosa	Santander	05° 56'	73° 39'	1.850	Suárez	308A
Bertha	Moniquirá	Boyacá	05° 53'	73° 34'	1.700	Moniquirá	308A
La Cumbre	Puente Nacional	Santander	05° 52'	73° 42'	1.650	Suárez	308A
Montelíbano	Yacopí	Cundinamarca	05° 28'	74° 22'	1.340	Chirche	309A
Secr. Agricultura	La Palma	Cundinamarca	05° 22'	74° 24'	1.250	Murca	310A
El Paraíso	Caparrapí	Cundinamarca	05° 17'	74° 31'	1.450	Patá	310A
Santa Rosita	El Peñón	Cundinamarca	05° 17'	74° 17'	1.430	Negro	310A
La Florida	Vergara	Cundinamarca	05° 05'	74° 18'	1.400	Pinzaimá	311A
Icalí	Sasaima	Cundinamarca	04° 57'	74° 26'	1.380	Dulce	311A
Santa Bárbara	Sasaima	Cundinamarca	04° 57'	74° 25'	1.450	Dulce	311A
San Juan	San Juan de Rioseco	Cundinamarca	04° 51'	74° 37'	1.300	Seco	313A
Mesitas Santa Inés	Cachipay	Cundinamarca	04° 43'	74° 28'	1.250	Bajamón	314A
El Refugio	La Mesa	Cundinamarca	04° 42'	74° 26'	1.250	Apulo	314A
Misiones	Mesitas del Colegio	Cundinamarca	04° 33'	74° 25'	1.540	Bogotá	314A
El Porvenir	Mesitas del Colegio	Cundinamarca	04° 32'	74° 28'	1.350	Bogotá	314A

Estación	Municipio	Departamento	Latitud Norte	Longitud Oeste	Altitud m	Corriente	Ecotopo
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
Luis Bustamante	Villarica	Tolima	03° 55'	74° 34'	1.610	Cuindé	316A
El Ocaso	Dolores	Tolima	03° 37'	74° 53'	1.000	Magdalena	316A
La Montaña	Dolores	Tolima	03° 33'	74° 54'	1.260	Magdalena	316A
El Alba	Baraya	Huila	03° 08'	74° 58'	1.480	Magdalena	317A
Guayabal	Algeciras	Huila	02° 33'	75° 15'	1.460	Neiva	317A
Jorge Villamil	Gigante	Huila	02° 20'	75° 31'	1.500	Magdalena	318A
La Primavera	Gigante	Huila	02° 16'	75° 31'	1.400	Loro	318A
Villa Consuelo	Garzón	Huila	02° 12'	75° 34'	1.450	Magdalena	318A
Concent. Desarrollo	Timaná	Huila	01° 58'	75° 56'	1.080	Timaná	318A

#### CORDILLERA ORIENTAL - VERTIENTE ORIENTAL

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
Acacias	Maringá	Meta	03° 58'	73° 36'	380	Acacias	308B

#### SIERRA NEVADA DE SANTA MARTA

Pueblo Bello	Valledupar	Cesar	10° 25'	73° 34'	1.000	Ariguani	402
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ESTACION: EL ROSARIO

DPTO: ANTIOQUIA

LATITUD : 05° 58'N

AÑO : 1990

MPIO: VENEZIA

LONGITUD: 75° 43'W

ALTITUD : 1600 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.2	25.4	19.3	69.3	0.0	0.0	0.0	6.3
2	16.4	26.0	20.3	73.7	0.0	0.0	0.0	6.0
3	16.5	22.4	19.3	81.3	0.0	0.0	0.0	1.1
4	16.4	26.0	19.4	76.7	2.9	0.0	2.9	6.0
5	16.0	23.5	19.9	78.0	0.0	24.9	24.9	1.8
6	14.5	26.5	19.9	76.7	0.0	0.0	0.0	7.5
7	16.0	24.5	19.6	77.7	0.0	2.6	2.6	1.8
8	16.3	20.8	18.2	89.7	3.3	.5	3.8	.1
9	16.0	21.8	18.9	82.3	.3	0.0	.3	0.0
10	16.3	24.8	20.2	77.0	0.0	0.0	0.0	5.7
11	17.0	25.8	20.6	73.3	0.0	13.0	13.0	3.9
12	16.2	22.0	18.5	90.3	9.9	3.0	12.9	6.1
13	15.0	24.8	19.5	76.7	1.5	.6	2.1	1.1
14	16.0	26.5	20.7	74.0	.2	4.9	5.1	10.1
15	17.0	26.4	20.8	74.7	0.0	0.0	0.0	7.9
16	17.5	25.7	20.8	75.3	0.0	0.0	0.0	5.2
17	17.6	28.2	21.6	72.0	0.0	0.0	0.0	10.1
18	17.5	24.4	19.6	83.3	0.0	0.0	0.0	2.2
19	17.6	23.2	19.4	83.3	.1	0.0	.1	2.2
20	16.0	28.1	21.5	72.0	0.0	0.0	0.0	8.9
21	17.0	26.5	21.8	66.7	0.0	0.0	0.0	7.7
22	16.4	23.2	17.4	81.0	2.2	0.0	2.2	.2
23	15.5	27.8	21.6	75.0	0.0	0.0	0.0	10.3
24	17.6	27.2	22.0	69.3	0.0	0.0	0.0	5.0
25	18.0	29.8	23.9	59.7	0.0	0.0	0.0	10.0
26	18.4	22.0	19.6	91.3	2.2	1.5	3.7	0.0
27	16.5	27.5	21.7	60.7	0.0	0.0	0.0	8.0
28	17.5	26.3	22.9	67.3	0.0	0.0	0.0	8.8
29	17.6	28.6	23.1	70.3	0.0	0.0	0.0	9.1
30	18.0	25.8	21.4	78.3	0.0	0.0	0.0	1.3
31	18.4	27.5	23.1	74.0	0.0	0.0	0.0	7.0
TOTAL PROMEDIO	16.7	25.5	20.5	75.8	22.6	51.0	73.6	161.4

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.4	28.5	23.9	70.3	0.0	0.0	0.0	7.4
2	18.5	26.5	22.1	74.7	0.0	9.5	9.5	3.0
3	17.6	26.2	21.7	80.7	0.0	18.5	18.5	5.1
4	18.0	25.6	20.6	85.3	1.2	71.2	72.4	3.8
5	16.5	20.0	18.6	92.7	0.0	2.1	2.1	.6
6	16.0	25.2	20.9	76.0	0.0	0.0	0.0	4.7
7	17.5	28.2	21.5	73.3	.9	0.0	.9	6.7
8	17.8	25.6	21.7	79.7	0.0	14.3	14.3	3.9
9	17.0	22.0	19.4	85.3	.1	5.8	5.9	0.0
10	17.5	27.0	20.7	83.3	1.3	0.0	1.3	5.6
11	18.0	26.5	20.9	77.0	0.0	0.0	0.0	4.8
12	17.5	24.5	20.0	80.0	0.0	0.0	0.0	3.2
13	17.0	25.0	21.2	71.7	0.0	0.0	0.0	5.3
14	16.8	26.4	21.3	73.7	.2	0.0	.2	5.9
15	18.0	27.5	21.4	75.0	0.0	0.0	0.0	6.2
16	17.0	28.0	21.8	72.0	0.0	0.0	0.0	8.8
17	16.4	28.2	19.8	73.7	.7	1.4	2.1	9.1
18	16.0	22.8	18.8	81.3	0.0	.2	.2	1.0
19	15.5	25.5	19.7	73.0	.8	14.7	15.5	5.5
20	15.0	25.4	19.9	71.7	0.0	0.0	0.0	6.0
21	16.0	27.8	20.8	72.3	29.5	0.0	29.5	8.7
22	16.5	26.2	20.7	69.0	0.0	0.0	0.0	5.9
23	17.0	24.5	21.1	71.7	0.0	0.0	0.0	1.5
24	17.2	27.0	20.9	70.7	.2	0.0	.2	7.8
25	17.0	27.5	21.4	63.7	0.0	0.0	0.0	8.0
26	16.5	23.4	19.4	68.3	0.0	0.0	0.0	1.5
27	16.0	26.5	20.6	62.3	0.0	0.0	0.0	8.3
28	16.5	23.5	19.6	72.7	0.0	0.0	0.0	.9
29								
30								
31								
TOTAL PROMEDIO	17.0	25.7	20.7	75.0	34.9	137.7	172.6	139.2

ESTACION: EL ROSARIO

DPTO: ANTIOQUIA

LATITUD : 05° 58'N

ANO : 1990

MPIO: VENECIA

LONGITUD: 75° 43'W

ALTITUD : 1600 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.8	25.5	19.3	71.7	0.0	0.0	0.0	4.2
2	16.5	27.4	20.5	68.0	0.0	0.0	0.0	8.3
3	16.6	24.2	19.9	70.3	.3	.4	.7	4.7
4	16.2	25.8	20.0	72.3	2.8	8.4	11.2	4.7
5	16.5	25.6	20.8	73.0	3.2	0.0	3.2	4.4
6	17.0	27.0	22.4	69.0	0.0	0.0	0.0	6.3
7	17.5	25.5	21.8	74.3	.2	0.0	.2	5.4
8	18.0	25.4	21.8	75.0	0.0	0.0	0.0	.9
9	18.2	28.7	23.5	61.7	0.0	0.0	0.0	8.0
10	18.6	28.5	23.3	61.0	1.4	0.0	1.4	4.8
11	18.5	26.8	22.4	66.0	0.0	0.0	0.0	2.0
12	18.0	29.7	24.2	59.0	0.0	0.0	0.0	7.8
13	19.5	30.6	24.5	57.3	0.0	0.0	0.0	7.7
14	19.0	27.4	22.4	67.3	0.0	0.0	0.0	3.5
15	19.5	24.5	21.5	75.7	0.0	0.0	0.0	.2
16	17.5	25.6	22.0	71.3	0.0	0.0	0.0	1.1
17	18.0	28.8	21.9	72.3	.2	43.7	43.9	7.0
18	16.0	23.2	19.0	82.3	0.0	0.0	0.0	.9
19	16.5	27.6	21.4	83.0	0.0	6.7	6.7	6.0
20	17.5	26.0	20.8	76.0	0.0	0.0	0.0	3.5
21	17.8	20.0	18.9	90.7	1.9	0.0	1.9	0.0
22	17.0	27.2	22.5	72.0	0.0	.3	.3	5.5
23	18.5	21.8	19.6	89.7	.3	24.8	25.1	0.0
24	16.8	23.5	20.7	82.7	1.7	0.0	1.7	1.3
25	17.5	20.0	17.9	91.0	3.0	.1	3.1	0.0
26	14.0	19.6	14.9	95.7	64.9	0.0	64.9	0.0
27	13.2	25.0	19.4	77.7	.4	0.0	.4	8.2
28	17.1	27.2	20.9	71.7	0.0	0.0	0.0	7.9
29	17.0	28.3	22.8	65.7	0.0	0.0	0.0	10.0
30	18.0	28.5	22.1	68.3	0.0	0.0	0.0	8.3
31	18.2	27.3	19.9	76.7	7.2	0.0	7.2	6.5
TOTAL PROMEDIO	17.3	25.9	21.0	73.8	87.5	84.4	171.9	139.1

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	21.0	19.0	84.0	0.0	0.0	0.0	0.0
2	16.0	26.7	19.7	81.0	3.7	.9	4.6	5.9
3	17.2	26.0	20.3	82.3	.5	9.0	9.5	4.3
4	16.8	24.0	19.2	90.3	2.8	0.0	2.8	2.1
5	17.0	25.4	20.6	76.7	.1	11.5	11.6	5.8
6	17.1	25.6	20.4	78.0	0.0	0.0	0.0	2.3
7	16.5	28.4	23.1	62.7	0.0	0.0	0.0	11.1
8	17.5	28.2	23.5	60.0	0.0	0.0	0.0	10.3
9	18.0	29.2	23.7	57.3	0.0	0.0	0.0	9.7
10	18.4	28.0	23.2	65.3	0.0	0.0	0.0	8.5
11	18.5	28.3	22.9	70.3	0.0	0.0	0.0	6.8
12	18.4	24.8	21.5	77.7	0.0	0.0	0.0	.7
13	19.0	26.2	22.2	74.7	0.0	22.8	22.8	3.8
14	16.9	26.6	19.9	82.0	7.0	15.5	22.5	3.3
15	15.0	25.5	20.6	85.3	12.4	2.7	15.1	2.3
16	16.0	24.0	19.6	82.3	0.0	1.2	1.2	2.7
17	17.5	27.0	22.0	70.7	.5	0.0	.5	5.4
18	16.8	25.7	21.2	69.0	.9	.1	1.0	6.4
19	18.1	26.8	21.4	71.7	19.0	0.0	19.0	5.3
20	18.0	23.5	18.7	90.0	8.0	29.7	37.7	.8
21	16.0	23.7	19.6	83.3	0.0	0.0	0.0	1.1
22	17.5	25.0	20.5	84.3	.2	16.1	16.3	2.1
23	16.0	24.0	19.9	82.3	0.0	0.0	0.0	2.1
24	16.8	23.6	19.1	89.3	0.0	0.0	0.0	2.5
25	17.4	20.6	18.7	86.7	3.9	6.2	10.1	0.0
26	15.5	24.6	19.9	76.7	4.1	0.0	4.1	3.1
27	17.0	24.5	20.2	85.3	0.0	46.6	46.6	.8
28	16.0	21.6	18.7	86.0	13.6	1.5	15.1	.7
29	16.5	23.7	19.8	84.3	.5	0.0	.5	1.4
30	16.9	23.5	18.4	87.0	2.2	0.0	2.2	.1
31								
TOTAL PROMEDIO	17.0	25.2	20.6	78.6	79.4	163.8	243.2	111.4

ESTACION: EL ROSARIO

DPTO: ANTIOQUIA

LATITUD : 05° 58'N

AÑO : 1990

MPIO: VENEZIA

LONGITUD: 75° 43'W  
ALTITUD : 1600 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	25.2	19.6	82.0	1.2	1.0	2.2	3.7
2	16.5	24.0	19.6	83.0	0.0	0.0	0.0	2.9
3	16.2	25.6	20.5	70.3	0.0	5.4	5.4	6.6
4	16.0	24.2	19.1	87.0	4.7	24.8	29.5	2.6
5	15.0	24.0	19.8	79.0	0.0	5.6	5.6	2.7
6	16.0	24.5	20.5	76.3	0.0	.4	.4	4.4
7	18.0	26.6	21.2	76.7	8.9	2.8	11.7	4.6
8	17.5	25.2	20.7	83.0	0.0	5.7	5.7	2.7
9	17.4	26.5	22.0	73.7	0.0	0.0	0.0	6.2
10	18.0	25.8	21.1	80.3	0.0	3.2	3.2	4.8
11	16.0	25.2	20.4	77.7	.3	0.0	.3	6.2
12	17.0	25.0	20.6	78.0	0.0	3.6	3.6	3.4
13	16.4	24.9	20.3	76.3	3.7	28.9	32.6	5.3
14	15.8	24.5	20.2	74.7	0.0	.5	.5	6.9
15	16.5	26.5	22.1	71.3	0.0	0.0	0.0	7.7
16	18.0	29.0	23.9	60.0	0.0	0.0	0.0	9.9
17	19.0	25.0	21.7	74.7	0.0	0.0	0.0	1.8
18	17.9	27.3	23.2	70.0	0.0	0.0	0.0	8.5
19	18.0	28.0	23.1	71.7	0.0	0.0	0.0	8.5
20	18.5	27.5	23.6	72.3	0.0	0.0	0.0	7.1
21	19.0	25.4	21.8	85.3	0.0	0.0	0.0	0.0
22	18.0	25.5	21.1	78.0	0.0	0.0	0.0	2.3
23	17.0	25.8	20.6	79.0	.1	.2	.3	6.9
24	17.2	26.8	20.0	83.7	7.6	0.0	7.6	5.6
25	17.0	24.2	20.5	80.7	0.0	.4	.4	1.9
26	16.5	26.6	22.3	75.3	0.0	0.0	0.0	9.4
27	17.5	24.8	21.1	80.0	0.0	0.0	0.0	.9
28	16.0	25.5	20.4	83.7	.3	79.1	79.4	5.1
29	15.5	21.0	17.9	89.3	3.4	0.0	3.4	1.4
30	15.6	25.6	20.4	84.0	.9	0.0	.9	7.6
31	16.5	25.7	21.3	74.0	0.0	.8	.8	9.6
TOTAL					31.1	162.4	193.5	157.2
PROMEDIO	17.0	25.5	21.0	77.8				

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.2	22.4	19.5	80.0	6.2	6.0	12.2	3.3
2	15.6	25.5	21.1	77.0	0.0	0.0	0.0	11.3
3	16.8	26.0	22.1	75.3	0.0	0.0	0.0	10.4
4	17.4	26.5	21.9	79.3	4.6	.8	5.4	8.8
5	16.6	26.8	22.3	69.0	0.0	0.0	0.0	11.1
6	18.2	27.5	23.6	60.7	0.0	0.0	0.0	7.7
7	17.6	25.5	23.0	62.3	0.0	0.0	0.0	6.9
8	18.0	25.4	22.2	69.7	0.0	0.0	0.0	5.4
9	17.5	23.6	20.6	85.7	.2	13.7	13.9	.1
10	16.5	24.2	19.4	84.7	1.7	2.6	4.3	3.7
11	16.6	22.5	19.8	83.3	0.0	0.0	0.0	.2
12	17.1	23.8	19.9	79.0	32.2	0.0	32.2	2.6
13	16.5	25.5	20.9	76.0	0.0	12.9	12.9	6.8
14	16.2	24.8	20.5	76.3	.4	3.1	3.5	5.9
15	16.5	25.0	20.5	80.3	0.0	41.1	41.1	4.3
16	15.0	24.0	18.9	85.3	2.5	0.0	2.5	9.7
17	16.0	25.4	21.2	76.0	0.0	0.0	0.0	10.5
18	16.8	26.8	21.9	72.3	0.0	0.0	0.0	4.5
19	17.0	27.0	22.9	70.3	0.0	0.0	0.0	9.5
20	18.0	28.2	23.5	56.3	0.0	0.0	0.0	9.8
21	18.2	27.8	23.6	54.7	0.0	0.0	0.0	10.0
22	18.0	26.0	22.5	61.3	0.0	0.0	0.0	7.1
23	17.2	25.6	22.0	70.0	0.0	0.0	0.0	8.3
24	17.5	25.7	19.6	83.3	1.6	.1	1.7	5.9
25	16.4	25.8	20.9	76.0	0.0	0.0	0.0	7.4
26	17.0	26.6	22.8	65.7	0.0	0.0	0.0	9.9
27	17.5	24.5	20.8	80.7	0.0	0.0	0.0	1.5
28	17.6	26.5	22.3	66.7	0.0	0.0	0.0	4.7
29	17.5	28.2	23.3	58.3	0.0	0.0	0.0	11.2
30	18.5	26.7	22.0	71.0	0.0	0.0	0.0	7.1
31								
TOTAL					49.4	80.3	129.7	205.6
PROMEDIO	17.1	25.7	21.5	72.9				



ESTACION: EL ROSARIO

DPTO: ANTIOQUIA

LATITUD : 05° 58'N

LONGITUD: 75° 43'W

ANO : 1990

MPIO: VENECIA

ALTITUD : 1600 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	27.0	22.0	68.3	0.0	0.0	0.0	7.2
2	17.5	25.0	20.9	72.0	0.0	0.0	0.0	2.5
3	16.5	26.5	22.1	65.0	0.0	0.0	0.0	7.1
4	17.5	27.2	20.2	77.0	6.0	.2	6.2	5.9
5	16.2	23.4	19.5	83.0	0.0	28.3	28.3	2.6
6	15.0	24.2	19.8	78.0	0.0	.3	.3	4.7
7	16.2	26.2	21.1	72.7	.3	7.6	7.9	8.7
8	15.5	25.4	20.3	77.0	0.0	0.0	0.0	6.6
9	15.4	23.5	19.8	79.3	0.0	10.5	10.5	2.9
10	14.8	22.2	18.5	83.0	0.0	0.0	0.0	4.0
11	16.6	25.2	21.2	77.3	0.0	.5	.5	8.8
12	16.2	24.0	20.2	78.3	0.0	0.0	0.0	3.3
13	16.5	25.5	20.7	76.0	0.0	0.0	0.0	7.1
14	15.8	24.3	19.1	82.7	0.0	0.0	0.0	1.8
15	16.3	25.0	18.8	80.3	3.6	.2	3.8	5.6
16	16.0	22.5	18.9	88.3	1.8	6.9	8.7	5.1
17	15.5	24.0	18.8	85.3	10.4	23.4	33.8	6.4
18	14.0	23.0	18.6	83.7	0.0	36.1	36.1	7.7
19	14.2	24.0	19.8	77.3	0.0	0.0	0.0	8.9
20	15.5	25.5	20.2	67.3	0.0	21.7	21.7	6.8
21	14.3	24.2	19.4	79.3	0.0	0.0	0.0	7.0
22	16.4	24.0	19.3	81.7	12.9	0.0	12.9	6.2
23	15.4	25.0	20.4	82.7	.1	14.1	14.2	9.1
24	16.0	24.5	21.1	70.3	0.0	0.0	0.0	8.7
25	16.5	26.0	22.1	67.7	0.0	0.0	0.0	8.9
26	17.5	25.0	20.6	75.7	0.0	0.0	0.0	3.4
27	17.0	27.3	22.5	68.3	0.0	0.0	0.0	10.3
28	17.2	26.6	22.2	68.0	0.0	0.0	0.0	10.6
29	17.5	26.2	21.9	65.7	0.0	3.6	3.6	6.8
30	15.2	25.5	20.6	69.0	0.0	0.0	0.0	9.0
31	16.6	26.6	21.9	64.0	0.0	0.0	0.0	10.1
TOTAL PROMEDIO	16.1	25.0	20.4	75.6	35.1	153.4	188.5	203.8

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.7	27.0	22.9	56.3	0.0	0.0	0.0	9.5
2	17.8	26.0	21.7	66.7	0.0	0.0	0.0	8.3
3	17.2	26.2	22.0	68.3	0.0	0.0	0.0	7.8
4	18.0	26.0	21.8	67.0	0.0	0.0	0.0	7.8
5	17.5	25.5	21.8	65.3	0.0	0.0	0.0	3.5
6	17.0	26.8	22.8	61.0	0.0	0.0	0.0	9.7
7	18.0	27.8	22.3	64.7	0.0	0.0	0.0	7.9
8	17.2	27.4	22.6	67.3	0.0	0.0	0.0	9.4
9	17.4	27.0	22.0	71.3	0.0	0.0	0.0	10.1
10	17.8	24.0	20.7	79.3	0.0	0.0	0.0	2.9
11	17.0	25.0	21.1	71.0	0.0	0.0	0.0	4.6
12	16.6	26.4	21.8	66.7	0.0	0.0	0.0	9.2
13	17.6	26.5	22.1	64.0	0.0	0.0	0.0	6.7
14	17.0	25.5	19.5	82.3	7.1	13.3	20.4	8.6
15	15.6	21.4	18.2	86.7	.2	3.9	4.1	.8
16	16.5	24.7	20.9	73.0	0.0	.7	.7	6.4
17	16.2	27.8	23.0	63.3	0.0	6.5	6.5	10.9
18	17.0	25.5	21.3	76.7	0.0	0.0	0.0	5.1
19	17.4	26.0	22.1	65.0	0.0	.5	.5	8.2
20	16.5	25.7	21.9	64.0	0.0	0.0	0.0	5.6
21	18.0	26.5	22.5	53.3	0.0	0.0	0.0	8.4
22	19.0	27.5	23.2	44.0	0.0	0.0	0.0	8.9
23	17.8	27.0	22.3	51.7	0.0	0.0	0.0	6.7
24	17.2	27.3	21.5	68.3	0.0	0.0	0.0	6.7
25	17.8	26.2	21.7	71.0	0.0	0.0	0.0	4.2
26	16.5	26.0	19.9	67.0	2.6	4.4	7.0	4.0
27	15.4	25.0	19.8	77.0	0.0	22.4	22.4	5.8
28	15.5	21.4	18.1	90.7	6.3	0.0	6.3	.4
29	16.5	24.0	20.4	79.3	0.0	2.3	2.3	5.5
30	16.0	26.0	21.2	73.3	.1	24.1	24.2	8.3
31	14.5	26.2	20.3	76.0	0.0	0.0	0.0	10.3
TOTAL PROMEDIO	17.0	25.8	21.4	68.8	16.3	78.1	94.4	212.2

ESTACION: EL ROSARIO

DPTO: ANTIOQUIA

LATITUD : 05° 58'N

AÑO : 1990

MPIO: VENECIA

LONGITUD: 75° 43'W

ALTITUD : 1600 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.5	26.2	22.5	65.7	0.0	3.2	3.2	9.0
2	15.3	23.5	19.3	80.3	0.0	9.3	9.3	3.2
3	15.5	24.3	20.3	74.3	0.0	0.0	0.0	5.3
4	17.0	26.5	21.6	69.3	0.0	0.0	0.0	6.3
5	16.9	27.5	23.0	65.3	0.0	1.4	1.4	11.0
6	17.0	26.2	21.1	69.0	0.0	19.9	19.9	4.5
7	16.0	24.5	20.4	76.7	0.0	0.0	0.0	6.2
8	17.0	26.5	22.3	70.3	0.0	12.5	12.5	8.8
9	15.5	24.5	19.3	77.0	9.6	0.0	9.6	5.3
10	16.5	24.6	19.7	78.3	4.1	1.4	5.5	5.2
11	16.6	26.0	18.9	79.3	37.5	43.7	81.2	8.3
12	14.9	24.8	20.0	77.7	.1	16.7	16.8	6.5
13	15.0	25.7	20.1	68.7	3.3	26.7	30.0	10.7
14	14.5	23.5	18.7	80.3	0.0	0.0	0.0	3.2
15	16.0	26.2	21.0	67.0	0.0	0.0	0.0	6.7
16	16.5	26.0	21.6	69.3	0.0	0.0	0.0	8.1
17	17.0	27.0	22.8	64.0	0.0	0.0	0.0	9.2
18	18.2	27.2	22.7	60.3	0.0	0.0	0.0	8.7
19	18.0	24.2	20.8	78.0	0.0	9.9	9.9	1.6
20	14.5	24.0	19.3	80.7	0.0	0.0	0.0	3.6
21	16.5	25.6	20.5	74.3	0.0	31.8	31.8	6.7
22	14.5	24.0	19.4	80.7	0.0	1.3	1.3	6.6
23	15.7	23.9	18.5	82.0	12.4	0.0	12.4	5.1
24	16.0	24.5	19.8	75.7	0.0	0.0	0.0	4.3
25	17.0	25.5	19.9	71.0	4.3	0.0	4.3	5.7
26	16.5	25.6	19.5	81.7	.2	10.6	10.8	6.7
27	15.5	25.0	20.9	72.0	0.0	0.0	0.0	7.5
28	17.4	25.6	21.1	76.7	0.0	0.0	0.0	5.0
29	17.5	26.4	22.3	72.3	0.0	0.0	0.0	8.2
30	17.4	27.3	22.3	74.7	1.0	29.2	30.2	7.1
31								
TOTAL PROMEDIO	16.3	25.4	20.6	73.8	72.5	217.6	290.1	194.3

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.5	24.0	19.2	81.3	0.0	16.2	16.2	4.6
2	15.6	23.0	18.3	79.7	22.3	10.6	32.9	4.3
3	15.5	24.0	19.5	81.0	6.9	0.0	6.9	5.3
4	17.0	25.0	20.8	73.3	10.6	.3	10.9	5.9
5	16.5	19.0	17.1	96.7	11.5	0.0	11.5	.1
6	15.5	24.0	19.6	83.0	.2	2.9	3.1	4.1
7	16.5	23.0	19.1	86.7	.2	3.7	3.9	2.6
8	16.4	23.4	18.7	80.7	1.2	0.0	1.2	2.5
9	16.5	23.0	19.3	80.7	1.5	15.4	16.9	1.4
10	15.5	21.5	18.2	85.0	1.0	0.0	1.0	.6
11	16.2	23.5	20.0	81.7	.4	50.0	50.4	3.7
12	16.0	22.0	18.1	90.3	.8	.3	1.1	2.4
13	16.5	23.2	20.3	80.7	0.0	2.0	2.0	2.6
14	16.4	24.1	19.7	81.3	11.0	3.0	14.0	3.7
15	15.5	24.4	19.3	82.0	0.0	36.3	36.3	4.7
16	15.0	23.8	19.7	79.3	.3	1.2	1.5	5.1
17	16.0	25.0	19.5	78.7	.1	6.3	6.4	1.1
18	15.8	22.2	19.2	81.3	.5	0.0	.5	3.8
19	17.0	24.0	20.2	78.7	.5	9.3	9.8	4.8
20	15.2	22.5	18.8	89.0	.2	4.6	4.8	2.1
21	15.0	24.0	19.2	80.0	3.0	12.9	15.9	4.6
22	16.2	18.5	16.9	95.7	2.1	0.0	2.1	0.0
23	14.5	23.5	18.7	80.3	.8	0.0	.8	4.5
24	16.0	23.7	18.3	83.3	10.1	0.0	10.1	4.8
25	16.1	25.8	20.3	71.3	0.0	22.8	22.8	7.5
26	14.6	23.8	19.8	73.0	0.0	0.0	0.0	4.3
27	16.4	24.3	20.3	79.0	1.9	27.4	29.3	3.3
28	16.5	22.0	19.3	84.7	0.0	19.0	19.0	3.9
29	16.2	21.5	18.7	84.3	22.5	2.6	25.1	.9
30	16.0	23.2	19.4	81.7	0.0	5.0	5.0	3.2
31	16.2	22.8	18.9	82.0	0.0	.1	.1	2.5
TOTAL PROMEDIO	15.9	23.2	19.2	82.1	109.6	251.9	361.5	104.9

ESTACION: EL ROSARIO

DPTO: ANTIOQUIA

LATITUD : 05° 58'N

AÑO : 1990

MPIO: VENEZIA

LONGITUD: 75° 43'W

ALTITUD : 1600 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.5	23.5	19.2	82.7	0.0	5.4	5.4	1.9
2	16.0	24.7	18.8	79.0	14.0	11.0	25.0	4.0
3	15.6	23.2	18.8	87.0	.6	15.1	15.7	1.8
4	16.2	21.2	17.7	89.7	7.2	.2	7.4	.5
5	16.0	25.0	19.2	79.7	.2	9.7	9.9	5.1
6	15.5	24.7	20.7	76.7	0.0	0.0	0.0	7.7
7	17.2	25.4	20.7	76.3	0.0	5.1	5.1	8.9
8	17.0	26.0	21.2	78.3	0.0	0.0	0.0	5.6
9	17.5	24.4	20.4	82.0	0.0	26.5	26.5	4.0
10	17.0	24.5	20.0	80.0	0.0	0.0	0.0	2.9
11	16.5	25.0	20.6	74.7	0.0	0.0	0.0	6.2
12	17.0	26.0	21.3	72.3	3.8	0.0	3.8	8.6
13	18.0	26.5	21.8	73.0	0.0	0.0	0.0	7.6
14	17.5	27.5	22.0	71.0	0.0	0.0	0.0	6.7
15	17.6	27.6	21.9	72.7	0.0	0.0	0.0	8.0
16	17.5	26.8	21.8	72.0	0.0	.6	.6	8.7
17	17.0	23.0	20.0	78.0	0.0	0.0	0.0	1.1
18	17.1	20.0	18.6	90.3	2.7	7.3	10.0	0.0
19	16.0	25.6	20.4	78.3	0.0	0.0	0.0	6.6
20	17.4	24.2	20.1	81.7	0.0	6.4	6.4	2.8
21	17.0	24.5	18.1	83.7	33.0	11.5	44.5	3.8
22	13.8	23.0	19.2	79.0	0.0	0.0	0.0	4.8
23	16.2	25.5	19.4	76.0	7.6	9.8	17.4	6.8
24	15.0	22.6	18.9	80.3	0.0	0.0	0.0	2.2
25	16.6	25.8	20.7	69.0	0.0	0.0	0.0	9.1
26	16.8	22.4	19.4	85.7	0.0	0.0	0.0	2.1
27	16.0	21.5	18.8	87.3	0.0	0.0	0.0	.1
28	16.5	21.6	18.9	84.3	6.0	23.1	29.1	.3
29	16.0	24.7	18.8	85.0	0.0	0.0	0.0	4.3
30	16.1	24.3	20.4	75.3	.9	0.0	.9	5.7
31								
TOTAL PROMEDIO	16.5	24.4	19.9	79.4	76.0	131.7	207.7	137.9

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.5	25.2	20.5	77.0	0.0	.4	.4	7.1
2	16.6	20.5	18.4	92.0	1.4	.1	1.5	.4
3	16.0	23.6	19.1	84.0	4.8	.2	5.0	2.5
4	16.8	24.8	19.4	85.7	1.1	66.9	68.0	1.5
5	16.5	20.0	17.3	96.0	2.5	0.0	2.5	0.0
6	15.5	21.8	18.7	79.7	0.0	0.0	0.0	3.1
7	16.2	24.7	20.1	76.7	0.0	12.8	12.8	5.6
8	16.0	23.4	19.4	75.3	0.0	.8	.8	1.7
9	15.5	25.2	20.4	73.0	0.0	.4	.4	7.8
10	15.6	25.5	20.3	73.0	0.0	.6	.6	7.2
11	16.5	25.8	20.1	73.7	.4	0.0	.4	4.5
12	16.0	25.1	20.1	74.0	0.0	0.0	0.0	6.2
13	15.8	26.1	21.1	68.7	0.0	0.0	0.0	9.2
14	16.4	26.4	21.3	73.3	0.0	0.0	0.0	9.5
15	17.5	27.5	22.6	60.0	0.0	0.0	0.0	10.2
16	17.0	25.0	21.1	72.7	.3	0.0	.3	6.1
17	18.0	27.2	21.8	73.0	0.0	0.0	0.0	6.9
18	17.5	24.0	20.4	77.3	0.0	0.0	0.0	1.1
19	17.0	24.2	20.4	79.0	0.0	0.0	0.0	8.9
20	17.2	27.2	22.2	68.0	7.1	0.0	7.1	0.0
21	18.0	26.7	21.4	74.7	0.0	0.0	0.0	6.4
22	16.6	25.4	21.1	68.0	0.0	0.0	0.0	5.0
23	16.4	25.7	20.7	77.0	0.0	8.7	8.7	5.1
24	16.8	21.5	19.0	86.0	.2	7.6	7.8	.5
25	16.4	23.8	19.5	83.0	1.9	0.0	1.9	2.5
26	17.0	24.0	20.2	73.7	.5	0.0	.5	3.8
27	16.7	24.2	19.5	78.0	.9	0.0	.9	.8
28	16.5	20.3	18.6	86.3	.2	0.0	.2	0.0
29	17.2	23.2	19.1	79.3	.1	0.0	.1	1.8
30	17.0	24.5	20.3	72.0	2.8	1.6	4.4	7.2
31	16.5	22.5	19.1	83.7	0.0	0.0	0.0	1.4
TOTAL PROMEDIO	16.6	24.4	20.1	77.2	24.2	100.1	124.3	134.0

ESTACION: EL ROSARIO  
 AÑO : 1990

DPTO: ANTIOQUIA  
 MPIO: VENECIA

LATITUD : 05° 58'N  
 LONGITUD: 75° 43'W  
 ALTITUD : 1600 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	BRILLO SOL(h)
ENERO	16.7	25.5	20.5	14.5	29.8	75.8	73.6	12	161.4
FEBRERO	17.0	25.7	20.7	15.0	28.5	75.0	172.6	14	139.2
MARZO	17.3	25.9	21.0	13.2	30.6	73.8	171.9	15	139.1
ABRIL	17.0	25.2	20.6	15.0	29.2	78.6	243.2	19	111.4
MAYO	17.0	25.5	21.0	15.0	29.0	77.8	193.5	19	157.2
JUNIO	17.1	25.7	21.5	15.0	28.2	72.9	129.7	10	205.6
JULIO	16.1	25.0	20.4	14.0	27.3	75.6	188.5	14	203.8
AGOSTO	17.0	25.8	21.4	14.5	27.8	68.8	94.4	10	212.2
SEPTIEMBRE	16.3	25.4	20.6	14.5	27.5	73.8	290.1	17	194.3
OCTUBRE	15.9	23.2	19.2	14.5	25.8	82.1	361.5	30	104.9
NOVIEMBRE	16.5	24.4	19.9	13.8	27.6	79.4	207.7	15	137.9
DICIEMBRE	16.6	24.4	20.1	15.5	27.5	77.2	124.3	20	134.0
PROMEDIO	16.7	25.1	20.6			75.9			
ABSOLUTA				13.2	30.6				
TOTAL							2251.0	195	1901.0

ESTACION: MIGUEL VALENCIA

DPTO: ANTIOQUIA

LATITUD : 05° 36'N

AÑO : 1990

MPIO: JARDIN

LONGITUD: 75° 51'W

ALTITUD : 1570 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.4	24.4	17.8	75.7	0.0	0.0	0.0	2.8
2	15.9	24.2	18.5	74.7	0.0	7.6	7.6	2.9
3	15.7	23.1	18.6	79.0	.4	0.0	.4	1.4
4	14.0	25.0	18.4	74.7	.3	.3	.6	5.7
5	14.9	25.1	19.0	75.3	0.0	7.1	7.1	2.2
6	14.8	25.3	19.0	72.3	0.0	0.0	0.0	5.7
7	16.7	23.4	19.0	77.3	1.2	2.0	3.2	3.9
8	15.9	22.0	18.5	82.3	1.4	.1	1.5	.1
9	16.0	23.2	18.2	78.7	2.0	0.0	2.0	2.3
10	16.1	26.0	18.4	81.7	10.0	0.0	10.0	4.1
11	15.8	22.5	18.6	79.7	0.0	0.0	0.0	1.3
12	15.6	21.0	17.4	92.7	4.7	0.0	4.7	0.0
13	15.2	25.0	18.9	77.0	15.5	2.5	18.0	6.4
14	13.6	24.8	18.0	76.0	0.0	6.2	6.2	6.1
15	16.0	25.4	19.6	76.3	0.0	0.0	0.0	6.3
16	17.3	25.1	20.4	74.7	0.0	0.0	0.0	5.4
17	16.9	27.4	21.0	71.3	.1	.2	.3	6.4
18	17.6	23.8	19.2	78.3	0.0	0.0	0.0	1.8
19	16.2	23.9	18.6	77.3	7.0	0.0	7.0	2.2
20	13.5	26.0	19.6	76.7	0.0	0.0	0.0	7.8
21	15.7	26.9	19.5	74.0	3.6	3.4	7.0	6.0
22	15.8	21.8	17.6	83.3	10.2	0.0	10.2	1.1
23	13.0	27.3	19.1	74.0	2.6	0.0	2.6	8.4
24	15.4	26.1	19.3	75.0	0.0	0.0	0.0	4.0
25	15.0	28.2	20.1	70.0	0.0	.3	.3	6.9
26	16.5	21.9	18.1	88.3	2.3	.2	2.5	0.0
27	15.2	26.2	19.3	73.0	0.0	0.0	0.0	8.0
28	13.9	27.3	20.0	72.3	0.0	0.0	0.0	8.7
29	15.7	28.0	20.8	72.7	0.0	0.0	0.0	8.0
30	16.6	25.3	20.6	77.7	0.0	0.0	0.0	
31	16.8	26.2	21.4	73.7	0.0	0.0	0.0	2.6
TOTAL PROMEDIO	15.6	24.9	19.1	77.0	61.3	29.9	91.2	

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.8	28.1	20.7	73.7	0.0	0.0	0.0	7.8
2	16.0	26.7	21.0	71.0	0.0	1.9	1.9	3.5
3	18.2	26.9	21.3	75.7	0.0	0.0	0.0	3.8
4	17.8	24.2	19.7	78.7	0.0	39.7	39.7	2.7
5	15.6	24.0	18.9	78.0	0.0	3.2	3.2	.4
6	16.9	25.4	20.3	77.3	0.0	.2	.2	4.5
7	17.2	27.1	20.9	72.3	0.0	0.0	0.0	6.5
8	17.8	24.8	20.1	79.0	0.0	5.1	5.1	3.5
9	17.0	23.4	18.9	85.0	.1	.2	.3	1.5
10	16.8	26.6	20.4	74.0	0.0	0.0	0.0	6.3
11	16.0	25.3	19.2	80.7	2.4	3.9	6.3	4.1
12	17.2	24.9	19.6	76.3	4.9	0.0	4.9	1.7
13	15.2	26.2	20.0	71.7	0.0	0.0	0.0	
14	15.5	26.0	19.8	74.3	0.0	.1	.1	5.9
15	17.4	26.3	20.8	73.0	0.0	.1	.1	7.0
16	16.5	27.2	19.8	73.0	.1	0.0	.1	8.4
17	16.0	27.0	20.0	69.7	0.0	4.3	4.3	9.5
18	15.9	23.1	18.3	76.3	11.0	.3	11.3	1.1
19	15.6	24.2	18.7	74.0	.3	15.9	16.2	4.3
20	15.8	24.7	18.9	74.7	1.0	22.0	23.0	3.0
21	13.8	25.6	19.4	75.3	.1	0.0	.1	7.6
22	15.4	25.3	18.9	74.7	1.8	0.0	1.8	2.6
23	15.8	25.0	19.1	72.0	0.0	0.0	0.0	.8
24	15.9	26.9	21.0	64.3	0.0	2.5	2.5	8.3
25	16.0	27.8	20.6	69.0	0.0	1.4	1.4	6.7
26	15.8	21.2	17.9	78.7	.3	0.0	.3	.3
27	14.8	25.0	18.5	72.7	0.0	0.0	0.0	6.2
28	15.7	20.8	17.1	83.7	1.3	0.0	1.3	0.0
29								
30								
31								
TOTAL PROMEDIO	16.2	25.3	19.6	75.0	23.3	100.8	124.1	

ESTACION: MIGUEL VALENCIA

DPTO: ANTIOQUIA

LATITUD : 05° 36'N

ANO : 1990

MPIO: JARDIN

LONGITUD: 75° 51'W

ALTITUD : 1570 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	13.9	24.0	17.6	78.3	0.0	0.0	0.0	2.7
2	14.2	25.2	19.6	71.7	0.0	0.0	0.0	7.1
3	15.8	21.3	17.8	79.3	.6	0.0	.6	.2
4	15.1	23.0	18.5	79.7	.1	.6	.7	1.7
5	15.9	24.9	18.5	80.7	1.0	0.0	1.0	.9
6	14.8	26.8	19.0	76.0	9.9	.4	10.3	5.9
7	16.0	26.0	19.8	75.3	.5	0.0	.5	2.5
8	16.5	25.0	19.5	76.0	0.0	0.0	0.0	.6
9	14.8	26.1	19.6	75.0	0.0	0.0	0.0	6.0
10	14.5	26.8	19.6	77.0	0.0	0.0	0.0	5.2
11	15.8	26.2	20.1	70.7	0.0	0.0	0.0	1.5
12	13.8	28.2	20.6	68.0	0.0	0.0	0.0	6.6
13	16.8	27.8	20.8	71.3	0.0	0.0	0.0	5.4
14	16.0	26.1	20.7	71.3	0.0	0.0	0.0	2.2
15	17.2	24.4	19.6	79.3	0.0	0.0	0.0	.4
16	15.8	25.0	19.5	71.7	0.0	0.0	0.0	.9
17	15.4	27.0	20.5	74.3	0.0	28.1	28.1	4.9
18	15.7	23.5	18.8	82.7	0.0	0.0	0.0	.5
19	14.5	26.2	20.1	74.7	0.0	1.3	1.3	6.2
20	17.8	25.0	20.9	72.7	0.0	1.7	1.7	2.6
21	17.1	21.5	19.1	85.3	16.5	0.0	16.5	0.0
22	14.9	26.2	20.3	75.3	.2	1.6	1.8	6.7
23	17.9	22.4	18.1	90.0	2.7	0.0	2.7	0.0
24	14.8	24.8	19.9	77.7	2.0	0.0	2.0	3.6
25	17.0	19.2	17.9	93.3	4.9	0.0	4.9	0.0
26	15.4	20.8	16.1	96.0	20.2	.6	20.8	.1
27	13.0	25.5	19.1	72.3	0.0	0.0	0.0	8.2
28	16.4	27.4	20.1	71.7	6.4	.1	6.5	9.3
29	16.0	28.0	19.9	68.0	0.0	0.0	0.0	9.0
30	15.8	28.2	21.6	65.0	0.0	0.0	0.0	9.0
31	17.4	26.0	20.7	75.7	3.5	7.3	10.8	3.8
TOTAL PROMEDIO	15.7	25.1	19.5	76.6	68.5	41.7	110.2	113.7

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	20.5	17.8	90.0	.1	0.0	.1	0.0
2	13.6	26.2	19.1	76.3	1.5	5.2	6.7	4.6
3	16.9	26.0	20.1	75.0	0.0	6.3	6.3	5.8
4	17.2	24.2	18.8	82.0	6.5	2.4	8.9	.9
5	17.4	25.0	20.7	77.3	.9	11.9	12.8	4.8
6	16.6	25.2	19.5	78.3	8.6	0.0	8.6	3.5
7	13.9	26.2	19.5	70.0	0.0	0.0	0.0	7.5
8	14.8	28.0	20.3	71.7	0.0	0.0	0.0	8.1
9	14.9	28.2	20.2	68.0	0.0	0.0	0.0	9.3
10	14.6	27.5	20.7	69.0	0.0	0.0	0.0	5.9
11	16.0	27.2	21.3	70.0	0.0	10.1	10.1	6.1
12	16.9	25.3	20.5	74.7	.7	0.0	.7	3.6
13	17.4	26.0	20.3	73.7	.7	0.0	.7	4.0
14	17.8	26.7	20.8	75.3	0.0	6.5	6.5	1.4
15	16.1	25.5	19.9	77.3	1.7	15.0	16.7	4.2
16	15.8	24.5	19.0	78.7	0.0	0.0	0.0	2.0
17	17.0	27.1	20.5	76.0	4.1	.9	5.0	5.3
18	14.8	26.0	19.3	78.3	4.7	2.2	6.9	6.5
19	16.8	24.3	20.4	77.7	0.0	0.0	0.0	1.5
20	17.2	24.7	19.4	84.3	30.7	18.5	49.2	1.5
21	15.5	24.0	19.5	79.0	5.5	0.0	5.5	1.0
22	16.7	25.5	20.0	80.3	3.6	.1	3.7	2.4
23	16.0	25.4	19.8	76.7	0.0	0.0	0.0	2.1
24	16.8	25.0	19.9	75.7	.4	4.3	4.7	3.6
25	17.6	22.1	19.2	94.0	4.6	14.8	19.4	.4
26	16.6	26.8	20.6	73.3	0.0	4.9	4.9	7.9
27	17.1	23.8	19.5	79.7	1.4	12.0	13.4	2.3
28	16.5	23.6	18.4	83.7	3.8	.1	3.9	.6
29	15.9	24.1	19.9	76.7	.4	3.5	3.9	3.8
30	16.5	21.2	18.4	87.0	23.9	0.0	23.9	0.0
31								
TOTAL PROMEDIO	16.2	25.2	19.8	77.7	103.8	118.7	222.5	110.6

ESTACION: MIGUEL VALENCIA

DPTO: ANTIOQUIA

LATITUD : 05° 36'N

ANO : 1990

MPIO: JARDIN

LONGITUD: 75° 51'W  
ALTITUD : 1570 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.8	25.8	19.3	77.3	0.0	0.0	0.0	5.0
2	14.2	23.5	18.9	73.0	0.0	0.0	0.0	2.8
3	14.5	25.8	20.5	75.3	1.2	15.3	16.5	6.0
4	14.8	25.0	19.3	75.0	.6	.1	.7	2.2
5	16.7	24.0	18.7	83.0	3.1	5.0	8.1	2.3
6	16.1	26.7	20.7	71.3	0.0	.2	.2	7.0
7	17.1	27.8	20.2	74.0	17.6	1.6	19.2	5.2
8	17.4	25.2	20.6	78.3	.4	.2	.6	5.5
9	16.0	25.1	19.5	76.3	0.0	1.2	1.2	8.0
10	16.1	26.2	19.9	74.3	0.0	29.5	29.5	6.6
11	16.0	26.4	20.3	75.0	0.0	.9	.9	5.7
12	16.1	26.0	19.2	75.0	8.6	.5	9.1	5.6
13	15.8	25.0	19.8	77.3	0.0	19.0	19.0	5.4
14	16.0	23.8	18.8	77.0	2.3	.9	3.2	2.1
15	15.5	28.4	20.8	73.3	0.0	0.0	0.0	7.3
16	16.2	29.3	21.1	76.3	0.0	0.0	0.0	5.7
17	17.0	27.2	20.6	81.3	0.0	0.0	0.0	3.4
18	15.0	28.4	21.4	77.3	0.0	0.0	0.0	7.6
19	15.6	27.3	21.2	78.3	0.0	0.0	0.0	5.1
20	15.8	28.6	22.4	74.3	.5	0.0	.5	5.6
21	16.8	26.5	20.2	85.0	1.8	0.0	1.8	.9
22	16.4	25.8	20.0	88.3	2.9	0.0	2.9	2.7
23	15.0	26.4	20.5	78.3	1.0	8.5	9.5	5.3
24	16.6	25.8	20.5	82.0	.8	6.5	7.3	5.2
25	16.2	26.1	18.9	83.3	8.8	0.0	8.8	4.0
26	14.8	26.8	20.4	79.7	.6	0.0	.6	5.9
27	14.9	25.3	19.9	79.7	0.0	.4	.4	.8
28	16.1	25.2	18.9	85.3	19.6	78.0	97.6	6.6
29	14.9	22.1	17.4	85.7	1.0	0.0	1.0	.7
30	11.7	28.5	19.4	78.7	2.5	0.0	2.5	8.7
31	13.9	26.0	19.6	76.3	0.0	0.0	0.0	7.3
TOTAL PROMEDIO	15.7	26.1	19.9	78.2	73.3	167.8	241.1	152.2

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.8	24.9	18.5	84.7	8.3	3.1	11.4	5.0
2	13.0	27.8	19.5	77.3	0.0	0.0	0.0	10.2
3	14.8	26.7	19.2	77.0	0.0	0.0	0.0	5.2
4	14.1	27.2	19.4	77.7	5.3	3.5	8.8	6.4
5	16.8	28.7	21.0	76.7	0.0	0.0	0.0	8.4
6	15.5	30.2	21.4	73.7	0.0	0.0	0.0	8.6
7	13.6	27.9	20.5	71.7	0.0	0.0	0.0	6.8
8	13.8	27.0	20.2	76.0	0.0	0.0	0.0	5.0
9	16.0	23.8	19.0	85.7	1.0	11.0	12.0	0.0
10	15.9	24.9	19.5	86.7	6.1	.7	6.8	3.4
11	16.8	25.0	19.6	87.7	.2	0.0	.2	1.3
12	14.8	25.2	18.1	83.7	6.9	0.0	6.9	2.6
13	13.5	26.4	18.8	79.0	.8	2.1	2.9	5.6
14	15.8	26.5	19.9	80.0	0.0	0.0	0.0	4.9
15	15.1	28.2	20.4	77.7	11.0	7.6	18.6	6.1
16	16.0	23.8	19.6	86.7	4.4	0.0	4.4	3.1
17	15.0	23.9	18.5	81.7	0.0	0.0	0.0	
18	14.8	29.7	21.5	73.0	0.0	0.0	0.0	9.9
19	15.2	29.1	21.6	76.7	0.0	0.0	0.0	8.7
20	15.8	29.3	21.0	76.0	0.0	0.0	0.0	8.0
21	13.4	28.2	21.1	71.7	0.0	0.0	0.0	9.6
22	13.2	26.8	20.4	70.7	0.0	0.0	0.0	5.4
23	14.5	27.6	19.9	74.0	.4	0.0	.4	4.2
24	15.8	24.8	18.3	82.0	5.0	.1	5.1	2.4
25	15.0	26.9	20.4	77.7	0.0	0.0	0.0	8.6
26	14.2	27.8	21.0	74.0	0.0	0.0	0.0	7.9
27	15.0	25.0	20.2	76.7	0.0	0.0	0.0	.2
28	14.9	27.6	20.6	75.7	0.0	0.0	0.0	6.1
29	13.9	28.4	21.4	71.3	0.0	0.0	0.0	8.2
30	14.8	29.0	18.8	78.3	20.7	0.0	20.7	5.4
31								
TOTAL PROMEDIO	14.9	26.9	20.0	78.0	70.1	28.1	98.2	

ESTACION: MIGUEL VALENCIA

DPTO: ANTIOQUIA

LATITUD : 05° 36'N

AÑO : 1990

MPIO: JARDIN

LONGITUD: 75° 51'W

ALTITUD : 1570 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	13.5	27.0	19.4	80.0	1.1	0.0	1.1	6.0
2	14.8	26.1	19.0	79.3	0.0	0.0	0.0	1.5
3	13.8	27.2	20.2	73.0	0.0	0.0	0.0	6.3
4	14.1	26.7	18.6	80.7	19.8	0.0	19.8	5.5
5	15.6	24.2	18.7	84.3	.9	3.3	4.2	2.1
6	15.8	24.1	17.6	86.0	5.0	0.0	5.0	1.7
7	14.8	27.0	20.0	75.0	.4	16.8	17.2	7.7
8	15.4	27.8	19.3	77.7	0.0	9.5	9.5	5.9
9	14.2	26.7	19.5	80.7	0.0	15.8	15.8	5.4
10	15.8	25.1	18.8	81.3	.8	0.0	.8	6.1
11	16.1	24.8	19.7	78.7	.2	22.4	22.6	5.5
12	13.7	25.1	18.6	79.7	0.0	0.0	0.0	4.5
13	15.0	26.0	19.9	74.7	0.0	11.2	11.2	5.2
14	14.9	24.0	17.3	86.3	6.8	0.0	6.8	3.1
15	15.6	25.1	18.7	78.3	6.9	0.0	6.9	2.9
16	14.8	24.1	18.4	82.3	.6	5.4	6.0	3.7
17	15.0	26.4	19.9	77.0	0.0	30.2	30.2	8.3
18	15.4	26.5	19.0	81.3	0.0	20.5	20.5	8.5
19	15.0	25.7	19.5	78.3	0.0	0.0	0.0	7.9
20	13.4	27.1	18.6	79.0	1.5	20.8	22.3	7.3
21	15.1	26.2	19.7	77.0	0.0	0.0	0.0	7.4
22	13.8	25.1	18.6	89.0	6.8	0.0	6.8	
23	13.5	25.5	18.6	82.0	0.0	.7	.7	8.1
24	16.2	27.1	20.4	76.7	0.0	0.0	0.0	9.1
25	13.5	27.3	19.7	75.7	0.0	0.0	0.0	9.0
26	14.9	26.0	19.9	76.0	0.0	0.0	0.0	3.8
27	13.9	25.1	19.3	78.0	0.0	0.0	0.0	6.4
28	13.8	27.8	20.5	75.3	0.0	0.0	0.0	7.8
29	13.1	26.0	18.5	80.7	.2	0.0	.2	7.1
30	14.9	25.8	19.1	84.0	0.0	5.0	5.0	
31	12.8	27.2	19.1	75.0	0.0	0.0	0.0	7.5
TOTAL PROMEDIO	14.6	26.0	19.1	79.5	51.0	161.6	212.6	

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	12.7	27.8	20.2	70.3	0.0	0.0	0.0	9.8
2	15.7	25.4	19.3	79.7	.2	1.9	2.1	5.4
3	15.4	24.9	19.0	84.0	0.0	.2	.2	6.1
4	13.8	26.2	19.2	77.0	0.0	0.0	0.0	
5	12.8	26.1	19.0	76.7	0.0	0.0	0.0	4.3
6	12.4	28.5	20.8	72.7	0.0	1.3	1.3	8.8
7	14.8	28.7	20.9	76.3	0.0	0.0	0.0	5.9
8	14.9	28.8	20.5	76.0	0.0	0.0	0.0	7.7
9	15.6	26.2	19.2	83.3	2.4	0.0	2.4	5.0
10	14.4	23.7	19.1	84.0	0.0	0.0	0.0	1.3
11	14.6	26.0	19.4	78.7	0.0	0.0	0.0	7.2
12	14.0	27.6	20.4	77.3	0.0	.3	.3	7.3
13	14.8	26.4	19.5	76.7	3.1	.1	3.2	6.3
14	14.9	27.0	19.0	79.7	.4	1.7	2.1	6.2
15	15.4	25.5	18.3	90.0	.1	0.0	.1	3.0
16	16.0	26.8	20.3	79.0	0.0	3.1	3.1	6.3
17	14.7	27.8	20.0	78.3	0.0	0.0	0.0	8.4
18	16.6	26.4	20.7	77.7	0.0	0.0	0.0	2.4
19	14.2	26.8	20.0	77.3	0.0	0.0	0.0	7.5
20	14.5	25.5	19.4	80.7	0.0	0.0	0.0	3.3
21	13.0	26.2	19.2	75.3	0.0	0.0	0.0	4.5
22	11.8	26.4	18.1	69.3	0.0	0.0	0.0	5.7
23	11.6	26.3	18.8	72.0	0.0	0.0	0.0	5.2
24	14.0	26.8	18.6	78.3	.4	0.0	.4	4.1
25	14.2	27.0	19.7	79.3	.4	2.0	2.4	2.9
26	13.0	26.5	18.3	82.0	3.4	28.2	31.6	3.5
27	14.9	25.1	19.2	79.3	.1	15.7	15.8	2.6
28	15.2	22.7	18.3	83.3	1.8	.2	2.0	.6
29	15.8	25.4	19.8	80.0	.7	.1	.8	4.0
30	16.8	27.6	19.6	77.7	0.0	13.8	13.8	7.2
31	13.6	28.0	19.4	74.7	0.0	0.0	0.0	9.5
TOTAL PROMEDIO	14.4	26.5	19.4	78.3	13.0	68.6	81.6	



ESTACION: MIGUEL VALENCIA

DPTO: ANTIOQUIA

LATITUD : 05° 36'N

LONGITUD: 75° 51'W

ANO : 1990

MPIO: JARDIN

ALTITUD : 1570 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.4	27.5	19.7	75.3	0.0	15.5	15.5	9.3
2	13.7	26.1	18.6	79.7	.9	2.2	3.1	4.8
3	15.8	24.3	18.5	81.0	3.1	0.0	3.1	3.9
4	14.3	27.0	18.8	78.3	8.7	0.0	8.7	6.3
5	12.6	29.0	20.4	75.0	0.0	1.3	1.3	10.3
6	14.2	27.8	20.1	75.0	0.0	6.0	6.0	7.5
7	14.9	26.1	19.0	78.3	.6	0.0	.6	6.9
8	14.5	25.2	19.0	75.3	1.8	1.9	3.7	6.1
9	15.4	25.8	19.1	77.7	7.2	0.0	7.2	5.3
10	15.0	25.2	19.0	82.0	2.4	.3	2.7	4.4
11	14.0	25.0	18.7	79.7	2.3	33.0	35.3	6.7
12	15.0	25.8	19.5	79.0	0.0	9.4	9.4	2.7
13	14.6	27.0	19.7	78.0	.8	6.4	7.2	7.6
14	15.8	23.0	17.0	87.7	13.7	0.0	13.7	2.0
15	13.0	27.6	18.7	79.3	0.0	0.0	0.0	5.6
16	13.6	26.3	18.6	76.7	3.8	0.0	3.8	5.9
17	13.1	29.1	19.4	76.0	4.2	0.0	4.2	8.1
18	14.8	28.7	20.4	74.3	0.0	0.0	0.0	7.8
19	15.5	26.1	19.7	77.7	0.0	12.1	12.1	2.9
20	15.0	25.2	19.7	80.7	0.0	.9	.9	5.5
21	16.2	26.7	20.2	76.3	0.0	12.9	12.9	6.5
22	15.0	26.0	18.4	82.7	.1	1.8	1.9	2.9
23	14.8	22.9	17.5	89.7	2.2	0.0	2.2	2.8
24	13.9	24.4	18.7	81.7	1.0	0.0	1.0	2.7
25	15.5	26.2	18.9	79.3	.5	0.0	.5	5.5
26	13.5	27.0	18.2	75.3	11.7	0.0	11.7	6.4
27	14.8	26.7	19.3	78.7	0.0	0.0	0.0	6.1
28	14.9	26.8	19.3	80.7	0.0	0.0	0.0	3.4
29	14.8	27.0	19.5	78.7	2.9	.4	3.3	7.2
30	15.4	28.0	20.4	73.3	.1	25.6	25.7	5.8
31								
TOTAL PROMEDIO	14.6	26.3	19.1	78.8	68.0	129.7	197.7	168.9

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	13.6	26.3	19.3	79.0	.8	19.0	19.8	6.2
2	14.4	23.0	17.9	85.0	3.8	1.5	5.3	2.1
3	15.0	24.6	18.2	83.3	0.0	0.0	0.0	2.7
4	13.9	25.0	18.4	85.3	.6	3.8	4.4	4.0
5	15.8	20.5	17.0	90.7	6.6	0.0	6.6	.3
6	14.0	26.0	18.4	77.7	0.0	4.2	4.2	7.7
7	15.7	24.1	17.9	81.7	2.8	6.7	9.5	1.2
8	15.1	24.7	18.1	82.0	.4	0.0	.4	5.3
9	13.6	23.2	18.0	87.3	3.5	22.6	26.1	3.4
10	15.1	25.8	18.5	85.0	8.3	10.0	18.3	2.7
11	14.8	26.1	18.3	88.0	7.6	23.4	31.0	5.8
12	15.2	22.0	17.3	88.0	.3	1.2	1.5	1.3
13	15.0	24.1	18.1	83.7	.7	3.7	4.4	.5
14	15.6	25.9	19.3	81.0	.1	2.2	2.3	7.6
15	14.9	25.8	18.9	80.0	0.0	1.2	1.2	8.1
16	15.8	27.1	19.3	78.3	5.1	10.7	15.8	8.7
17	16.0	26.0	18.1	90.0	5.5	4.0	9.5	6.1
18	15.7	25.5	19.1	82.7	0.0	0.0	0.0	3.5
19	16.0	26.2	19.9	80.3	.9	21.0	21.9	4.6
20	14.0	25.1	18.2	78.3	0.0	5.1	5.1	2.7
21	15.0	24.9	18.8	82.0	0.0	0.0	0.0	6.2
22	15.8	19.7	16.6	95.7	17.2	0.0	17.2	0.0
23	14.0	25.2	18.8	78.3	0.0	0.0	0.0	2.7
24	14.5	25.4	17.6	86.7	.8	0.0	.8	4.1
25	13.8	27.9	19.1	78.3	0.0	48.6	48.6	8.1
26	12.6	27.8	17.9	78.3	2.8	0.0	2.8	7.9
27	13.6	25.6	18.6	81.3	.4	5.4	5.8	5.1
28	15.5	23.5	18.3	85.3	3.4	7.2	10.6	4.2
29	15.0	24.9	19.1	83.0	10.7	.9	11.6	3.0
30	15.8	27.2	19.6	78.3	0.0	.4	.4	5.9
31	15.5	26.4	19.7	80.3	0.0	0.0	0.0	5.1
TOTAL PROMEDIO	14.8	25.0	18.4	83.1	82.3	202.8	285.1	136.8

ESTACION: MIGUEL VALENCIA

DPTO: ANTIOQUIA

LATITUD : 05° 36'N

AÑO : 1990

MPIO: JARDIN

LONGITUD: 75° 51'W

ALTITUD : 1570 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.8	26.8	18.7	82.0	1.3	7.0	8.3	3.9
2	16.4	25.1	19.0	81.3	1.7	5.3	7.0	2.6
3	16.0	24.9	18.9	83.0	.1	7.6	7.7	1.1
4	15.4	22.4	18.1	87.0	1.2	0.0	1.2	.2
5	15.0	26.0	18.8	82.3	0.0	5.6	5.6	5.3
6	14.0	26.1	19.0	80.7	0.0	0.0	0.0	6.5
7	15.0	27.4	20.0	77.0	0.0	0.0	0.0	8.6
8	16.0	26.1	20.5	79.3	0.0	1.6	1.6	4.6
9	15.5	25.7	19.6	81.3	0.0	39.7	39.7	3.0
10	16.5	25.1	18.9	85.0	.2	0.0	.2	2.0
11	13.6	27.0	18.7	78.7	12.5	0.0	12.5	5.8
12	15.5	27.2	19.0	79.3	.2	0.0	.2	6.2
13	15.2	28.2	19.6	80.0	0.0	0.0	0.0	7.6
14	16.2	28.0	20.2	79.3	4.7	0.0	4.7	7.3
15	14.8	26.9	19.4	79.0	.1	0.0	.1	6.9
16	14.7	27.0	20.0	77.7	0.0	41.2	41.2	7.1
17	15.8	24.2	18.4	84.7	0.0	1.6	1.6	1.5
18	15.1	21.2	18.0	89.3	1.0	1.4	2.4	0.0
19	13.8	27.4	19.5	80.7	0.0	33.7	33.7	7.1
20	16.0	25.5	18.7	78.7	2.3	.7	3.0	4.0
21	15.4	26.8	18.6	80.7	0.0	43.5	43.5	3.7
22	12.4	25.5	18.5	77.7	0.0	0.0	0.0	5.9
23	15.4	25.8	18.5	81.3	5.5	10.5	16.0	2.5
24	14.9	25.1	17.9	81.3	0.0	0.0	0.0	3.0
25	14.8	26.0	18.8	80.0	5.2	7.9	13.1	0.0
26	15.8	26.7	19.1	80.0	1.4	0.0	1.4	5.2
27	14.9	23.8	18.6	83.0	0.0	0.0	0.0	.5
28	16.1	23.0	18.7	86.3	3.1	.1	3.2	.8
29	16.0	26.2	18.8	78.0	0.0	3.0	3.0	4.8
30	15.6	26.1	19.5	78.7	0.0	1.7	1.7	4.7
31								
TOTAL PROMEDIO	15.2	25.8	19.0	81.1	40.5	212.1	252.6	122.4

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.8	27.1	19.8	80.3	.1	.1	.2	4.7
2	16.4	23.3	18.2	87.7	2.9	0.0	2.9	1.7
3	14.6	26.2	19.6	77.3	.1	.6	.7	4.2
4	16.6	24.8	19.7	83.3	2.3	28.1	30.4	2.9
5	15.8	23.0	17.4	88.3	6.4	0.0	6.4	.8
6	15.7	25.0	18.8	81.3	1.7	0.0	1.7	3.4
7	13.5	25.9	18.3	78.3	0.0	0.0	0.0	4.6
8	15.2	25.0	19.1	79.3	0.0	0.0	0.0	2.5
9	13.2	26.8	18.9	79.3	0.0	0.0	0.0	8.8
10	13.0	27.5	18.0	79.3	0.0	0.0	0.0	9.0
11	13.6	26.7	18.7	76.0	.2	.6	.8	7.6
12	14.8	26.2	18.6	78.7	0.0	0.0	0.0	6.8
13	12.8	26.8	18.9	76.0	0.0	0.0	0.0	8.3
14	13.5	26.9	19.1	79.0	0.0	0.0	0.0	5.2
15	12.7	28.0	18.8	76.0	0.0	0.0	0.0	8.2
16	12.1	26.0	17.9	78.7	0.0	0.0	0.0	4.4
17	14.8	26.8	19.5	77.0	0.0	0.0	0.0	5.6
18	14.2	25.0	18.8	80.0	0.0	0.0	0.0	.7
19	14.5	25.2	18.7	78.7	0.0	0.0	0.0	.1
20	14.7	28.8	19.9	77.3	0.0	0.0	0.0	7.9
21	15.6	27.6	19.6	77.3	0.0	0.0	0.0	5.1
22	16.4	25.9	19.1	76.7	0.0	0.0	0.0	1.4
23	14.1	25.8	18.8	79.0	0.0	0.0	0.0	4.4
24	15.2	21.3	17.2	91.0	8.5	1.5	10.0	.2
25	15.8	24.1	17.9	83.0	5.4	0.0	5.4	1.0
26	15.6	24.9	18.8	82.0	0.0	2.3	2.3	3.6
27	15.9	22.6	18.5	83.7	0.0	0.0	0.0	0.0
28	15.8	20.0	17.1	93.0	2.8	0.0	2.8	0.0
29	14.1	24.4	17.6	85.3	0.0	0.0	0.0	2.0
30	13.8	26.8	19.1	76.3	0.0	0.0	0.0	7.0
31	15.1	23.9	18.5	82.7	0.0	0.0	0.0	2.6
TOTAL PROMEDIO	14.7	25.4	18.7	80.7	30.4	33.2	63.6	124.7

ESTACION: MIGUEL VALENCIA

DPTO: ANTIOQUIA

LATITUD : 05° 36'N

AÑO : 1990

MPIO: JARDIN

LONGITUD: 75° 51'W

ALTITUD : 1570 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	15.6	24.9	19.1	13.0	28.2	77.0	91.2	18	
FEBRERO	16.2	25.3	19.6	13.8	28.1	75.0	124.1	21	
MARZO	15.7	25.1	19.5	13.0	28.2	76.6	110.2	16	113.7
ABRIL	16.2	25.2	19.8	13.6	28.2	77.7	222.5	23	110.6
MAYO	15.7	26.1	19.9	11.7	29.3	78.2	241.1	23	152.2
JUNIO	14.9	26.9	20.0	13.0	30.2	78.0	98.2	12	
JULIO	14.6	26.0	19.1	12.8	27.8	79.5	212.6	20	
AGOSTO	14.4	26.5	19.4	11.6	28.8	78.3	81.6	16	
SEPTIEMBRE	14.6	26.3	19.1	12.6	29.1	78.8	197.7	26	168.9
OCTUBRE	14.8	25.0	18.4	12.6	27.9	83.1	285.1	26	136.8
NOVIEMBRE	15.2	25.8	19.0	12.4	28.2	81.1	252.6	24	122.4
DICIEMBRE	14.7	25.4	18.7	12.1	28.8	80.7	63.6	11	124.7
PROMEDIO	15.2	25.7	19.3			78.7			
ABSOLUTA				11.6	30.2				
TOTAL							1980.5	236	

ESTACION: BERTHA

DPTO: BOYACA

LATITUD : 05° 53'N

AÑO : 1990

MPIO: MONIQUIRA

LONGITUD: 73° 34'W

ALTITUD : 1700 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	13.5	25.6	18.6	78.3	0.0	9.8	9.8	5.6
2	14.5	26.7	19.1	77.0	0.0	0.0	0.0	
3	12.0	26.2	18.8	79.3	0.0	0.0	0.0	5.0
4	12.5	25.6	18.0	77.0	0.0	.5	.5	4.5
5	14.0	27.2	17.7	81.7	1.9	0.0	1.9	4.2
6	11.2	26.6	17.5	77.3	0.0	0.0	0.0	4.6
7	11.5	24.0	18.0	81.0	0.0	0.0	0.0	1.4
8	13.9	26.6	18.6	79.3	2.1	6.6	8.7	2.4
9	15.0	27.0	18.9	80.7	0.0	0.0	0.0	3.0
10	14.0	27.4	19.7	76.3	0.0	0.0	0.0	5.0
11	12.0	25.8	18.8	78.3	0.0	0.0	0.0	4.8
12	14.0	27.2	19.2	77.3	0.0	7.5	7.5	3.7
13	13.0	27.1	17.9	80.0	1.0	.1	1.1	4.9
14	12.0	25.0	17.9	82.7	.1	8.6	8.7	3.1
15	11.8	27.5	19.6	74.0	0.0	.2	.2	6.6
16	13.6	27.6	20.2	75.0	0.0	2.5	2.5	5.9
17	15.6	28.0	20.9	75.0	0.0	1.3	1.3	6.5
18	11.0	27.3	18.6	77.0	0.0	0.0	0.0	6.0
19	9.8	29.0	20.1	73.3	0.0	0.0	0.0	7.1
20	15.0	27.2	20.2	77.3	0.0	0.0	0.0	5.3
21	10.0	27.5	18.5	79.3	0.0	25.1	25.1	5.5
22	13.5	24.6	18.9	81.7	0.0	0.0	0.0	2.2
23	12.0	29.1	19.7	75.3	0.0	0.0	0.0	8.1
24	14.0	28.2	19.8	76.7	.1	1.1	1.2	6.1
25	10.5	30.0	21.1	71.3	0.0	.1	.1	8.8
26	14.6	26.2	18.3	80.7	.6	0.0	.6	1.5
27	12.6	28.8	20.8	75.7	0.0	0.0	0.0	6.7
28	12.0	30.0	21.3	72.0	0.0	.1	.1	8.2
29	11.5	29.4	20.5	75.0	0.0	0.0	0.0	8.6
30	14.5	28.4	21.4	74.0	0.0	0.0	0.0	6.0
31	12.0	29.0	20.8	72.7	0.0	0.0	0.0	6.7
TOTAL PROMEDIO	12.8	27.3	19.3	77.2	5.8	63.5	69.3	

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	12.0	30.4	21.2	74.0	0.0	.7	.7	7.7
2	14.0	29.6	21.8	72.7	0.0	0.0	0.0	7.4
3	16.0	28.5	21.5	78.0	0.0	.5	.5	4.3
4	16.8	28.7	19.9	81.3	11.2	2.3	13.5	3.0
5	16.4	22.5	17.4	88.0	16.1	0.0	16.1	.3
6	15.5	24.8	19.3	77.3	0.0	0.0	0.0	.7
7	12.0	24.5	18.3	84.0	0.0	0.0	0.0	1.4
8	14.5	28.0	20.1	81.0	0.0	4.4	4.4	4.8
9	16.0	28.2	20.6	80.0	0.0	1.2	1.2	3.9
10	16.9	28.8	21.4	75.3	0.0	0.0	0.0	5.8
11	16.3	27.6	20.0	77.3	0.0	0.0	0.0	9.0
12	12.5	26.6	19.1	78.7	0.0	0.0	0.0	6.7
13	15.6	26.5	20.0	76.3	0.0	5.1	5.1	3.3
14	16.8	27.5	20.4	79.3	0.0	0.0	0.0	7.0
15	15.5	27.8	20.5	77.0	0.0	0.0	0.0	8.6
16	13.5	28.2	19.6	74.0	0.0	0.0	0.0	8.4
17	11.3	27.5	18.7	71.0	0.0	0.0	0.0	9.3
18	12.0	26.6	18.0	71.3	0.0	0.0	0.0	5.5
19	15.0	28.5	18.9	75.0	0.0	.5	.5	.7
20	14.8	26.2	18.6	74.3	.2	.1	.3	2.3
21	15.1	28.0	20.4	73.0	0.0	8.0	8.0	3.6
22	15.0	27.2	19.4	77.0	0.0	0.0	0.0	6.7
23	13.2	27.8	18.7	77.0	0.0	.4	.4	
24	14.5	26.5	19.3	74.7	0.0	0.0	0.0	
25	14.2	27.5	19.6	65.7	0.0	0.0	0.0	
26	10.2	26.7	17.3	74.0	0.0	0.0	0.0	8.9
27	8.5	27.3	16.8	70.7	0.0	0.0	0.0	8.1
28	8.3	26.6	18.2	69.0	0.0	0.0	0.0	8.4
29								
30								
31								
TOTAL PROMEDIO	14.0	27.3	19.4	76.0	27.5	23.2	50.7	

ESTACION: BERTHA

DPTO: BCOYACA

LATITUD : 05° 53'N

AÑO : 1990

MPIO: MONIQUIRA

LONGITUD : 73° 34'W  
ALTITUD : 1700 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	12.0	28.1	19.7	66.0	0.0	0.0	0.0	8.2
2	11.4	27.8	19.2	69.3	0.0	0.0	0.0	7.9
3	11.3	27.5	18.4	76.7	1.7	0.0	1.7	6.1
4	12.5	27.4	19.1	76.3	4.5	.1	4.6	
5	14.5	27.0	18.6	82.0	2.1	6.4	8.5	2.3
6	14.0	27.2	18.9	85.0	0.0	10.6	10.6	5.2
7	13.2	28.6	19.5	70.7	0.0	0.0	0.0	5.7
8	11.5	27.3	19.1	71.3	0.0	0.0	0.0	4.1
9	13.6	28.0	20.8	74.7	0.0	0.0	0.0	2.8
10	15.4	27.3	20.9	70.7	0.0	0.0	0.0	.7
11	14.0	25.8	18.6	76.7	9.2	0.0	9.2	2.7
12	12.4	28.8	20.6	75.0	0.0	0.0	0.0	
13	14.4	30.4	21.4	62.3	0.0	0.0	0.0	4.5
14	14.3	29.2	19.9	74.3	4.3	0.0	4.3	2.7
15	14.0	26.3	18.5	82.7	10.2	7.3	17.5	2.7
16	14.5	27.0	20.5	73.3	0.0	0.0	0.0	3.0
17	15.0	29.2	21.1	78.3	.1	20.7	20.8	4.4
18	15.7	26.6	18.4	80.7	.1	0.0	.1	2.6
19	11.5	28.5	20.2	76.7	0.0	.3	.3	7.7
20	15.4	29.2	21.1	72.7	.3	0.0	.3	4.1
21	14.0	25.5	19.4	80.3	.5	0.0	.5	2.0
22	12.0	28.4	20.0	78.3	0.0	0.0	0.0	7.6
23	17.8	24.5	20.6	79.3	.7	2.7	3.4	.6
24	15.0	21.0	17.7	83.7	1.9	0.0	1.9	0.0
25	14.9	26.2	20.2	72.7	0.0	1.0	1.0	2.4
26	15.0	18.6	16.0	91.0	7.4	0.0	7.4	0.0
27	12.0	26.4	18.9	70.0	0.0	0.0	0.0	6.8
28	12.5	27.5	19.0	72.7	0.0	0.0	0.0	9.3
29	14.0	28.2	20.5	73.3	0.0	0.0	0.0	9.0
30	17.0	29.2	22.0	70.7	0.0	0.0	0.0	7.3
31	16.0	27.2	20.8	74.0	0.0	.3	.3	4.7
TOTAL PROMEDIO	13.9	27.1	19.6	75.5	43.0	49.4	92.4	

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	27.4	20.8	75.0	0.0	.3	.3	2.7
2	16.5	26.0	20.6	75.0	0.0	5.1	5.1	3.4
3	16.0	27.1	20.7	76.0	.4	.7	1.1	5.6
4	15.9	24.5	18.9	80.7	5.2	11.4	16.6	.5
5	15.2	26.0	19.1	80.7	3.9	15.1	19.0	6.2
6	15.0	24.0	18.2	85.0	2.1	0.0	2.1	1.9
7	12.8	27.0	19.5	78.3	0.0	0.0	0.0	6.4
8	10.2	27.4	18.8	76.7	3.3	0.0	3.3	6.4
9	9.8	28.5	21.3	74.0	0.0	0.0	0.0	8.9
10	10.4	28.4	20.6	74.3	.2	0.0	.2	6.7
11	13.0	27.4	19.9	82.0	3.0	23.3	26.3	6.3
12	14.0	27.5	20.4	80.7	3.3	0.0	3.3	4.0
13	15.0	25.5	20.1	82.7	0.0	1.4	1.4	1.4
14	16.8	27.2	20.7	77.0	0.0	1.4	1.4	1.6
15	13.0	27.3	20.3	78.3	0.0	1.0	1.0	6.8
16	16.4	28.2	20.1	76.0	0.0	0.0	0.0	3.0
17	13.0	27.5	19.9	77.3	0.0	0.0	0.0	4.1
18	15.5	27.6	21.6	74.0	0.0	1.8	1.8	8.1
19	13.2	26.4	20.2	77.3	0.0	1.4	1.4	4.8
20	16.6	26.2	20.0	78.7	30.3	.9	31.2	3.2
21	15.8	26.5	19.2	83.7	0.0	0.0	0.0	3.0
22	14.9	26.4	20.2	80.0	0.0	.3	.3	3.6
23	16.5	27.6	20.3	78.3	7.2	3.4	10.6	4.8
24	15.0	24.8	18.1	89.0	2.8	4.0	6.8	1.4
25	15.5	24.6	19.4	82.7	1.4	45.9	47.3	1.5
26	15.0	22.1	18.4	81.0	.6	0.0	.6	4.3
27	14.0	26.3	19.2	81.0	1.3	4.2	5.5	
28	17.0	21.6	17.5	93.7	17.1	2.1	19.2	.3
29	15.0	26.5	19.8	89.3	.8	18.1	18.9	5.5
30	15.5	25.0	19.5	82.0	.9	9.6	10.5	1.2
31								
TOTAL PROMEDIO	14.6	26.3	19.8	80.0	83.8	150.4	234.2	

ESTACION: BERTHA

DPTO: BOYACA

LATITUD : 05° 53'N

ANO : 1990

MPIO: MONIQUIRA

LONGITUD: 73° 34'W

ALTITUD : 1700 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.5	24.6	17.7	87.3	1.7	.4	2.1	3.1
2	15.5	25.6	19.1	82.0	3.7	41.7	45.4	2.3
3	15.0	26.2	18.5	79.3	0.0	0.0	0.0	3.3
4	16.3	27.6	19.8	79.0	7.2	10.0	17.2	2.0
5	15.8	27.2	20.3	76.0	.1	.3	.4	2.5
6	16.0	27.4	20.1	81.3	.8	0.0	.8	1.7
7	14.5	27.7	19.5	84.0	2.2	.6	2.8	2.8
8	15.4	27.3	20.8	75.7	0.0	0.0	0.0	1.3
9	14.5	27.6	20.7	75.0	0.0	6.1	6.1	6.1
10	15.3	27.8	20.4	78.7	6.1	0.0	6.1	7.2
11	14.0	25.0	19.1	81.0	.3	.6	.9	2.3
12	13.7	26.0	18.3	82.0	13.0	.1	13.1	2.6
13	14.0	27.6	20.1	77.7	4.0	0.0	4.0	6.1
14	15.5	24.9	17.7	94.3	0.0	0.0	0.0	0.0
15	15.0	27.8	20.1	79.7	.6	0.0	.6	6.4
16	12.4	28.2	19.1	77.0	7.1	.1	7.2	7.1
17	12.0	26.6	20.1	73.3	0.0	0.0	0.0	3.5
18	15.2	27.6	21.0	83.0	0.0	0.0	0.0	3.1
19	12.4	28.8	19.9	80.7	27.4	.7	28.1	4.8
20	13.8	28.0	19.7	83.7	.2	0.0	.2	3.8
21	14.0	26.5	19.3	79.7	.8	0.0	.8	2.5
22	15.8	24.8	18.8	82.3	1.2	0.0	1.2	.6
23	12.0	26.5	17.8	90.7	17.7	0.0	17.7	2.2
24	15.0	25.4	18.7	85.7	7.7	0.0	7.7	5.1
25	14.0	24.0	17.2	89.0	26.2	.9	27.1	2.6
26	12.0	27.2	19.1	83.3	.4	3.6	4.0	4.8
27	11.0	27.5	19.0	81.7	.2	0.0	.2	5.6
28	14.3	26.0	18.6	83.7	10.4	1.2	11.6	4.4
29	15.5	22.0	17.8	87.3	.5	0.0	.5	.8
30	10.8	28.5	19.0	78.3	.8	.7	1.5	7.8
31	11.0	28.0	20.1	75.7	0.0	0.0	0.0	7.2
TOTAL PROMEDIO	14.1	26.6	19.3	81.5	140.3	67.0	207.3	115.6

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.5	25.5	18.1	79.3	10.7	0.0	10.7	4.9
2	10.0	27.0	17.9	82.7	1.4	0.0	1.4	5.0
3	13.5	27.5	20.4	74.0	0.0	0.0	0.0	7.1
4	12.0	26.0	18.2	83.7	3.1	0.0	3.1	3.6
5	12.2	27.5	19.7	75.0	12.2	.9	13.1	5.2
6	13.0	28.4	20.1	66.3	0.0	0.0	0.0	9.3
7	11.2	25.8	19.8	62.0	0.0	0.0	0.0	3.7
8	13.4	26.6	20.0	72.3	0.0	18.7	18.7	4.4
9	14.5	26.2	20.0	80.3	.5	.6	1.1	1.8
10	15.6	26.5	20.9	81.7	0.0	0.0	0.0	2.2
11	15.5	23.0	19.0	77.3	.2	0.0	.2	.6
12	15.4	27.0	19.2	75.7	0.0	0.0	0.0	5.5
13	12.5	28.0	19.4	76.3	4.1	.8	4.9	5.5
14	15.5	28.2	20.1	77.7	.6	3.7	4.3	5.8
15	13.7	28.4	19.1	82.7	8.9	.2	9.1	6.2
16	15.0	25.7	19.5	70.3	0.0	0.0	0.0	7.5
17	11.2	27.2	19.4	72.0	0.0	0.0	0.0	2.7
18	12.0	28.0	21.1	73.3	0.0	0.0	0.0	6.8
19	11.8	27.2	21.1	71.7	0.0	0.0	0.0	7.8
20	12.4	26.5	20.5	66.7	0.0	0.0	0.0	5.3
21	17.5	27.0	20.9	60.7	0.0	0.0	0.0	3.7
22	12.5	27.2	21.0	73.7	.2	0.0	.2	3.3
23	12.0	25.8	19.4	79.0	.8	0.0	.8	3.1
24	13.5	26.0	19.2	78.7	.6	0.0	.6	1.3
25	11.4	26.2	18.9	80.0	0.0	0.0	0.0	5.5
26	11.0	28.2	19.3	79.7	6.2	0.0	6.2	6.9
27	13.5	26.0	19.8	68.0	0.0	0.0	0.0	2.6
28	14.3	26.8	19.1	78.3	2.2	.1	2.3	.8
29	12.5	28.2	21.4	65.0	0.0	0.0	0.0	5.1
30	13.7	27.5	21.2	56.0	0.0	0.0	0.0	6.8
31								
TOTAL PROMEDIO	13.2	26.8	19.8	74.0	51.7	25.0	76.7	140.0

ESTACION: BERTHA

DPTO: BOYACA

LATITUD : 05° 53'N

AÑO : 1990

MPIO: MONQUIRA

LONGITUD: 73° 34'W

ALTITUD : 1700 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	11.5	26.4	19.4	78.7	0.0	9.8	9.8	2.0
2	14.5	28.8	20.1	68.0	0.0	0.0	0.0	3.1
3	10.5	27.6	19.1	74.3	0.0	0.0	0.0	6.4
4	12.0	27.2	19.2	76.3	0.0	.6	.6	.9
5	12.5	25.0	18.7	82.3	8.4	0.0	8.4	.3
6	14.8	23.5	17.7	88.7	7.1	2.3	9.4	1.7
7	10.5	28.5	18.3	80.0	.8	1.7	2.5	7.4
8	13.0	29.2	20.5	74.0	0.0	3.1	3.1	5.9
9	12.0	26.6	19.1	78.7	.2	.2	.4	7.0
10	15.4	22.4	18.4	85.0	.2	0.0	.2	1.1
11	15.6	23.0	16.8	86.0	21.3	0.0	21.3	3.6
12	11.2	27.8	19.4	79.0	0.0	0.0	0.0	6.0
13	13.4	26.0	17.5	82.7	21.9	5.2	27.1	5.2
14	12.5	24.0	18.4	93.7	3.4	9.2	12.6	3.4
15	13.6	25.0	20.8	80.7	.2	0.0	.2	3.3
16	12.0	25.1	18.8	79.7	1.8	4.8	6.6	2.8
17	11.8	26.0	17.7	84.3	3.0	12.4	15.4	5.3
18	14.0	26.2	17.6	81.3	6.7	9.0	15.7	6.1
19	14.1	23.5	17.3	87.0	4.6	0.0	4.6	4.3
20	10.0	27.0	18.3	79.0	5.1	19.9	25.0	7.6
21	11.0	26.2	18.4	77.7	0.0	0.0	0.0	3.9
22	13.8	25.2	17.1	81.3	0.0	0.0	0.0	2.4
23	11.2	25.8	19.1	76.0	0.0	0.0	0.0	3.7
24	13.2	28.0	19.1	79.7	3.4	0.0	3.4	5.2
25	9.5	27.2	18.7	77.7	1.0	1.0	2.0	6.2
26	9.8	26.5	19.5	64.7	0.0	0.0	0.0	9.0
27	10.5	27.5	18.9	78.3	.1	0.0	.1	4.6
28	12.0	27.0	18.4	75.7	0.0	0.0	0.0	3.9
29	12.2	26.5	18.5	72.3	5.0	0.0	5.0	5.7
30	13.0	25.5	19.6	64.7	0.0	0.0	0.0	4.9
31	11.3	25.6	17.8	70.3	0.0	0.0	0.0	6.4
TOTAL PROMEDIO	12.3	26.1	18.6	78.6	94.2	79.2	173.4	138.3

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	9.3	27.0	19.0	67.0	0.0	6.8	6.8	6.9
2	14.5	25.5	18.9	71.7	0.0	0.0	0.0	4.8
3	11.5	26.4	19.6	78.3	0.0	0.0	0.0	4.0
4	11.2	28.0	19.9	72.0	0.0	0.0	0.0	5.9
5	9.0	28.2	19.3	72.7	0.0	0.0	0.0	6.5
6	10.4	29.0	18.9	76.0	4.0	0.0	4.0	5.8
7	12.4	28.0	18.5	76.0	0.0	0.0	0.0	4.1
8	12.8	26.4	18.9	76.7	.7	.1	.8	3.5
9	15.0	28.3	19.6	75.3	5.4	0.0	5.4	5.4
10	11.5	24.5	19.4	66.0	0.0	0.0	0.0	.3
11	11.3	26.0	19.6	68.0	0.0	0.0	0.0	4.7
12	11.0	27.0	19.9	62.3	0.0	0.0	0.0	6.1
13	10.5	25.5	17.4	82.7	0.0	0.0	0.0	2.5
14	11.4	25.2	18.1	80.7	1.1	6.8	7.9	5.8
15	13.0	24.5	18.4	76.3	.9	0.0	.9	1.6
16	13.5	28.0	19.5	74.3	.5	.1	.6	3.5
17	12.5	28.6	19.4	74.7	.4	1.5	1.9	6.6
18	12.6	26.8	19.7	67.0	0.0	0.0	0.0	5.4
19	13.5	29.7	20.6	68.0	.8	.1	.9	8.1
20	13.4	26.2	19.2	63.3	0.0	0.0	0.0	4.7
21	10.0	26.0	18.1	61.7	0.0	0.0	0.0	6.3
22	8.4	29.2	19.1	56.0	0.0	0.0	0.0	8.7
23	12.4	27.0	20.4	53.7	0.0	0.0	0.0	3.4
24	12.0	28.0	18.8	73.0	1.7	.4	2.1	
25	10.0	26.7	18.3	77.0	2.2	.1	2.3	
26	9.5	28.4	18.4	78.3	7.0	.4	7.4	7.5
27	12.4	27.0	19.6	78.3	.4	0.0	.4	5.8
28	15.0	24.6	19.0	81.7	0.0	.3	.3	3.0
29	14.0	27.6	19.2	78.7	18.9	9.5	28.4	5.3
30	15.0	27.5	18.6	80.3	8.7	0.0	8.7	6.5
31	11.5	25.3	16.8	83.0	5.5	0.0	5.5	5.4
TOTAL PROMEDIO	12.0	27.0	19.0	72.6	58.2	26.1	84.3	

ESTACION: BERTHA

DPTO: BOYACA

LATITUD : 05° 53'N

AÑO : 1990

MPIO: MONIQUIRA

LONGITUD: 73° 34'W

ALTITUD : 1700 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	10.6	26.2	18.8	78.3	.3	10.4	10.7	6.9
2	11.2	26.0	18.7	77.7	1.0	0.0	1.0	4.4
3	11.0	25.1	19.0	81.7	.1	0.0	.1	5.3
4	13.7	27.8	20.4	75.0	.1	0.0	.1	6.7
5	9.8	28.2	18.5	77.3	5.8	2.8	8.6	8.7
6	11.2	27.2	19.9	77.7	.2	0.0	.2	7.4
7	12.5	26.2	18.7	84.0	1.4	0.0	1.4	4.8
8	10.6	27.0	19.0	75.3	.3	1.7	2.0	6.5
9	14.2	25.2	18.2	78.7	4.0	0.0	4.0	2.8
10	13.6	25.0	18.5	79.0	0.0	0.0	0.0	3.7
11	11.8	27.2	19.0	82.0	.9	.2	1.1	
12	14.6	27.6	18.6	78.7	3.1	0.0	3.1	
13	11.0	25.5	18.8	73.3	.1	.4	.5	4.5
14	14.0	25.2	18.6	71.3	0.0	0.0	0.0	1.8
15	13.0	27.2	18.4	76.3	0.0	0.0	0.0	5.5
16	10.5	27.8	17.5	70.3	1.5	0.0	1.5	6.4
17	9.8	29.4	19.5	72.0	0.0	0.0	0.0	8.8
18	11.5	28.6	21.3	71.7	2.1	3.9	6.0	7.0
19	13.0	27.1	20.1	69.0	0.0	0.0	0.0	5.9
20	10.8	25.1	18.8	79.0	0.0	0.0	0.0	3.6
21	13.0	28.0	19.8	76.7	10.0	4.9	14.9	5.8
22	12.9	25.8	19.2	77.7	0.0	28.8	28.8	3.7
23	13.4	23.0	16.9	92.7	18.2	7.1	25.3	3.1
24	12.5	26.0	16.9	93.0	2.9	0.0	2.9	6.3
25	14.0	26.4	18.4	81.3	3.4	1.8	5.2	3.4
26	13.6	27.0	19.8	83.3	1.3	.1	1.4	7.1
27	12.0	26.8	19.2	81.3	5.9	4.2	10.1	4.3
28	9.8	23.8	18.6	87.0	2.4	0.0	2.4	1.7
29	13.1	26.4	18.4	81.3	1.6	0.0	1.6	
30	12.4	27.2	18.4	79.0	19.7	0.0	19.7	
31								
TOTAL PROMEDIO	12.2	26.5	18.8	78.7	86.3	66.3	152.6	

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	11.5	26.5	18.9	82.7	3.2	0.0	3.2	6.7
2	12.8	25.0	18.4	82.7	7.6	15.1	22.7	
3	15.4	24.8	18.1	83.0	.1	0.0	.1	3.4
4	11.5	27.2	19.0	81.3	0.0	2.4	2.4	5.9
5	15.0	26.8	18.7	81.7	1.6	1.7	3.3	2.1
6	14.0	27.2	19.2	80.7	11.9	1.0	12.9	5.6
7	15.5	26.9	19.7	80.7	1.2	33.5	34.7	5.9
8	14.8	23.6	18.2	88.3	.5	0.0	.5	1.4
9	13.8	25.2	16.1	83.0	2.0	2.8	4.8	3.1
10	15.6	28.0	19.1	79.3	7.8	13.1	20.9	4.9
11	14.6	26.4	18.6	82.3	8.9	8.4	17.3	5.5
12	15.8	24.0	18.1	85.3	5.7	0.0	5.7	1.8
13	13.8	25.0	18.4	85.0	4.1	0.0	4.1	3.6
14	15.0	27.2	19.2	80.0	0.0	1.1	1.1	6.8
15	13.1	26.8	18.3	80.0	18.2	0.0	18.2	6.5
16	13.0	26.9	18.7	81.3	2.2	.4	2.6	8.2
17	13.8	26.8	19.8	78.3	0.0	19.0	19.0	5.9
18	15.0	26.7	19.7	78.7	0.0	0.0	0.0	7.1
19	14.8	27.0	20.2	78.0	0.0	.3	.3	5.5
20	15.0	24.0	18.1	89.0	15.3	14.0	29.3	2.9
21	14.8	26.8	18.9	82.0	8.1	0.0	8.1	6.1
22	14.0	24.2	18.8	83.7	4.3	12.0	16.3	.3
23	15.5	26.2	18.2	82.7	21.3	.6	21.9	3.0
24	15.6	26.0	18.6	79.0	0.0	7.8	7.8	1.5
25	14.0	26.2	18.7	82.3	0.0	0.0	0.0	1.7
26	12.2	27.8	16.7	82.0	44.1	0.0	44.1	4.6
27	12.6	26.6	19.4	81.7	8.1	15.3	23.4	6.7
28	14.7	27.4	19.9	79.0	3.2	11.5	14.7	6.8
29	14.8	26.2	18.7	81.0	.2	1.9	2.1	4.2
30	15.8	26.4	18.8	82.3	0.0	.9	.9	3.5
31	16.0	26.0	19.1	82.7	2.0	0.0	2.0	3.4
TOTAL PROMEDIO	14.3	26.2	18.7	81.9	181.6	162.8	344.4	



ESTACION: BERTHA

DPTO: BOYACA

LATITUD : 05° 53'N

ANO : 1990

MPIO: MONIQUIRA

LONGITUD: 73° 34'W

ALTITUD : 1700 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.0	27.2	20.0	78.7	.9	4.4	5.3	2.7
2	16.4	27.8	19.2	82.0	.1	49.3	49.4	1.7
3	15.0	25.5	19.3	83.3	.2	47.2	47.4	3.2
4	15.1	26.2	19.4	81.3	7.7	3.7	11.4	3.5
5	13.5	26.4	19.2	84.0	0.0	5.5	5.5	6.8
6	15.5	25.8	19.3	83.7	19.0	0.0	19.0	5.1
7	11.6	26.7	19.1	80.7	0.0	5.7	5.7	7.9
8	15.5	27.5	20.2	79.0	0.0	.2	.2	6.3
9	14.0	28.1	19.1	82.7	.7	.1	.8	4.7
10	15.0	25.8	19.3	75.3	9.0	0.0	9.0	.8
11	11.5	25.2	18.1	77.3	0.0	0.0	0.0	5.2
12	11.0	25.0	19.3	75.0	0.0	0.0	0.0	5.0
13	12.0	27.4	19.3	80.7	0.0	40.0	40.0	5.7
14	15.0	27.8	20.3	76.3	.2	6.1	6.3	7.0
15	14.0	27.0	19.9	75.3	0.0	.7	.7	7.0
16	11.5	28.2	19.7	78.3	3.6	5.8	9.4	7.5
17	15.2	27.0	19.3	83.0	0.0	6.0	6.0	5.3
18	15.0	26.2	19.5	83.0	1.5	20.4	21.9	3.1
19	15.8	26.0	20.0	83.0	0.0	.3	.3	5.1
20	16.0	29.0	20.8	75.0	0.0	25.2	25.2	7.1
21	15.0	23.8	18.3	84.7	0.0	0.0	0.0	.5
22	14.9	27.0	18.2	86.7	21.3	.8	22.1	6.1
23	14.2	27.1	19.0	82.0	0.0	17.4	17.4	4.4
24	15.0	26.0	19.0	80.0	7.9	1.6	9.5	3.6
25	13.8	26.5	18.8	81.3	0.0	0.0	0.0	5.7
26	14.4	27.6	19.0	80.0	.2	0.0	.2	3.7
27	13.0	28.2	19.6	75.3	0.0	0.0	0.0	5.8
28	14.0	26.7	17.9	85.3	.6	0.0	.6	8.2
29	13.9	28.6	20.2	75.3	0.0	0.0	0.0	6.9
30	15.0	28.5	20.7	77.3	0.0	0.0	0.0	4.7
31								
TOTAL PROMEDIO	14.2	26.9	19.3	80.2	72.9	240.4	313.3	150.3

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	29.0	21.3	73.3	0.0	.4	.4	8.0
2	15.9	28.0	19.9	83.0	8.0	12.0	20.0	2.0
3	14.2	25.0	18.9	85.3	0.0	0.0	0.0	5.0
4	16.0	27.8	20.4	78.0	0.0	.6	.6	6.8
5	17.0	23.8	19.1	81.0	.3	.5	.8	1.8
6	15.2	25.0	18.5	81.0	1.2	0.0	1.2	2.7
7	15.0	27.2	19.8	77.0	0.0	0.0	0.0	7.6
8	13.8	24.0	17.7	80.7	2.2	0.0	2.2	3.9
9	14.0	26.4	18.1	76.0	0.0	0.0	0.0	7.8
10	10.5	26.8	18.3	76.0	0.0	1.0	1.0	8.5
11	13.0	27.0	18.7	76.0	0.0	1.5	1.5	8.3
12	15.8	26.1	19.5	77.7	.2	0.0	.2	7.9
13	10.8	25.8	17.3	83.3	0.0	0.0	0.0	6.3
14	11.6	25.5	18.3	79.3	0.0	0.0	0.0	5.7
15	10.2	28.6	18.4	78.0	0.0	0.0	0.0	8.8
16	9.5	28.7	19.2	76.7	0.0	0.0	0.0	6.4
17	10.0	28.0	18.6	77.0	0.0	2.6	2.6	6.5
18	11.0	27.4	19.1	75.3	0.0	0.0	0.0	6.4
19	14.0	29.1	19.8	74.7	0.0	0.0	0.0	5.5
20	11.8	28.1	19.3	75.3	.3	0.0	.3	8.6
21	11.7	27.2	18.9	76.7	0.0	0.0	0.0	7.5
22	14.0	26.8	19.2	75.3	0.0	0.0	0.0	7.3
23	11.8	27.2	18.4	75.0	0.0	0.0	0.0	9.1
24	13.2	25.3	19.4	79.3	0.0	0.0	0.0	5.6
25	15.0	25.5	19.3	78.7	0.0	0.0	0.0	6.1
26	14.0	27.2	20.0	71.7	0.0	0.0	0.0	7.2
27	15.8	25.8	18.6	80.7	0.0	10.3	10.3	2.8
28	15.7	23.9	18.0	85.3	1.4	1.3	2.7	1.3
29	12.0	26.0	18.2	79.0	0.0	5.4	5.4	5.7
30	14.0	27.4	19.0	75.0	0.0	0.0	0.0	6.7
31	14.8	26.2	20.0	74.7	0.0	.1	.1	6.7
TOTAL PROMEDIO	13.5	26.6	19.0	77.9	13.6	35.7	49.3	190.5

ESTACION: BERTHA  
 AÑO : 1990

DPTO: BOYACA  
 MPIO: MONIQUIRA

LATITUD : 05° 53'N  
 LONGITUD: 73° 34'W  
 ALTITUD : 1700 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	12.8	27.3	19.3	9.8	30.0	77.2	69.3	15	
FEBRERO	14.0	27.3	19.4	8.3	30.4	76.0	50.7	11	
MARZO	13.9	27.1	19.6	11.3	30.4	75.5	92.4	17	
ABRIL	14.6	26.3	19.8	9.8	28.5	80.0	234.2	25	
MAYO	14.1	26.6	19.3	10.8	28.8	81.5	207.3	25	115.6
JUNIO	13.2	26.8	19.8	10.0	28.4	74.0	76.7	15	140.0
JULIO	12.3	26.1	18.6	9.5	29.2	78.6	173.4	21	138.3
AGOSTO	12.0	27.0	19.0	8.4	29.7	72.6	84.3	17	
SEPTIEMBRE	12.2	26.5	18.8	9.8	29.4	78.7	152.6	24	
OCTUBRE	14.3	26.2	18.7	11.5	28.0	81.9	344.4	29	
NOVIEMBRE	14.2	26.9	19.3	11.0	29.0	80.2	313.3	23	150.3
DICIEMBRE	13.5	26.6	19.0	9.5	29.1	77.9	49.3	15	190.5
PROMEDIO	13.4	26.7	19.2			77.9			
ABSOLUTA				8.3	30.4				
TOTAL							1847.9	237	

ESTACION: RAFAEL ESCOBAR

DPTO: CALDAS

LATITUD : 05° 28'N

LONGITUD: 75° 39'W

AÑO : 1990

MPIO: SUPIA

ALTITUD : 1320 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.2	26.9	20.8	79.0	0.0	0.0	0.0	6.0
2	16.6	28.2	21.6	72.7	0.0	11.3	11.3	7.3
3	16.0	27.5	21.3	79.7	0.0	0.0	0.0	3.7
4	15.9	26.8	21.5	78.7	0.0	.4	.4	6.5
5	17.0	26.9	21.8	79.7	0.0	5.7	5.7	3.8
6	16.9	27.6	21.6	78.0	0.0	.4	.4	5.1
7	16.4	28.2	22.1	76.3	0.0	2.9	2.9	5.9
8	17.4	22.3	19.3	89.7	0.0	.2	.2	.1
9	17.3	27.4	21.5	78.0	.6	0.0	.6	2.5
10	17.0	28.2	22.4	77.3	0.0	10.7	10.7	4.7
11	17.6	27.0	21.6	77.0	0.0	17.7	17.7	4.0
12	17.0	22.6	19.3	88.7	0.0	0.0	0.0	.2
13	16.0	27.4	20.5	81.7	0.0	0.0	0.0	6.2
14	15.5	27.6	21.6	74.0	0.0	0.0	0.0	8.8
15	17.6	28.4	22.7	76.3	0.0	0.0	0.0	7.9
16	19.0	29.2	23.1	75.0	0.0	0.0	0.0	6.6
17	17.4	29.1	23.4	75.3	0.0	0.0	0.0	6.6
18	18.6	28.8	21.8	81.0	0.0	0.0	0.0	2.6
19	18.4	27.4	21.2	82.7	.8	0.0	.8	2.6
20	17.2	29.4	22.9	72.0	0.0	0.0	0.0	9.3
21	17.0	28.9	23.0	74.3	0.0	0.0	0.0	5.9
22	18.0	24.9	19.8	87.7	1.1	0.0	1.1	1.0
23	15.0	30.0	22.6	71.3	0.0	0.0	0.0	9.2
24	17.4	29.8	22.6	76.3	0.0	0.0	0.0	5.2
25	16.4	31.6	24.6	67.7	0.0	0.0	0.0	9.8
26	19.4	25.9	21.8	78.7	.3	.2	.5	0.0
27	17.0	29.9	23.6	67.7	0.0	0.0	0.0	8.6
28	17.1	30.6	24.0	69.0	0.0	0.0	0.0	9.6
29	18.0	30.9	24.3	70.3	0.0	0.0	0.0	9.7
30	19.4	29.2	23.9	73.3	0.0	0.0	0.0	3.0
31	18.4	28.9	23.0	74.3	0.0	0.0	0.0	2.9
TOTAL PROMEDIO	17.3	28.0	22.1	76.9	2.8	49.5	52.3	165.3

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	31.8	24.3	70.0	0.0	0.0	0.0	8.7
2	19.0	29.5	23.5	76.7	0.0	0.0	0.0	3.8
3	19.1	30.2	24.2	74.0	0.0	1.5	1.5	3.7
4	19.6	29.9	23.9	68.3	0.0	13.4	13.4	6.1
5	17.6	25.0	20.9	83.3	.6	4.7	5.3	.6
6	17.0	27.9	21.6	81.7	0.0	0.0	0.0	6.1
7	18.2	30.0	23.5	75.0	0.0	2.6	2.6	6.1
8	19.0	28.2	22.9	80.7	7.7	23.6	31.3	3.7
9	17.5	26.6	21.3	80.3	0.0	12.1	12.1	3.3
10	18.2	28.3	22.7	79.3	0.0	0.0	0.0	4.9
11	18.6	28.2	23.3	74.3	0.0	5.3	5.3	6.7
12	18.5	24.6	20.4	86.0	0.0	0.0	0.0	.1
13	16.5	27.7	22.2	74.7	0.0	0.0	0.0	4.3
14	17.5	29.0	22.9	75.3	0.0	5.4	5.4	6.0
15	18.4	28.9	23.2	74.7	0.0	2.5	2.5	8.1
16	18.0	29.4	23.2	72.7	0.0	2.4	2.4	8.2
17	16.6	29.7	22.5	67.0	0.0	10.0	10.0	8.3
18	17.0	23.2	18.7	89.0	2.4	1.1	3.5	.9
19	16.4	25.9	19.9	82.7	.4	.9	1.3	2.9
20	16.5	27.6	21.5	76.7	0.0	0.0	0.0	4.0
21	16.6	30.3	21.8	72.0	0.0	0.0	0.0	7.8
22	16.0	27.8	21.8	72.7	0.0	0.0	0.0	3.8
23	17.6	28.0	22.2	77.0	0.0	0.0	0.0	2.6
24	18.0	28.2	22.6	74.0	0.0	0.0	0.0	6.4
25	18.1	27.5	22.2	77.7	0.0	1.1	1.1	3.4
26	17.5	21.8	19.1	86.7	0.0	0.0	0.0	0.0
27	16.3	26.9	21.5	70.3	0.0	5.9	5.9	6.1
28	17.2	25.8	20.6	79.3	0.0	0.0	0.0	2.6
29								
30								
31								
TOTAL PROMEDIO	17.6	27.8	22.1	76.9	11.1	92.5	103.6	129.2

ESTACION: RAFAEL ESCOBAR

DPTO: CALDAS

LATITUD : 05° 28'N

ANO : 1990

MPIO: SUPIA

LONGITUD: 75° 39'W

ALTITUD : 1320 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.5	27.5	21.7	71.3	0.0	.3	.3	5.8
2	17.4	29.2	22.2	72.3	.2	0.0	.2	5.7
3	17.5	25.9	20.6	82.3	0.0	0.0	0.0	4.3
4	17.3	27.8	21.9	72.3	0.0	1.0	1.0	4.3
5	17.4	27.9	21.6	80.3	.3	0.0	.3	3.8
6	16.7	30.9	23.0	69.3	0.0	0.0	0.0	8.0
7	18.6	30.0	23.4	72.0	0.0	0.0	0.0	4.8
8	18.9	28.8	23.4	73.7	0.0	0.0	0.0	2.3
9	17.2	30.7	24.0	66.3	0.0	0.0	0.0	8.4
10	18.2	31.4	24.2	60.0	0.0	0.0	0.0	5.0
11	19.2	30.7	24.4	64.3	0.0	0.0	0.0	1.9
12	17.8	31.4	25.1	64.3	0.0	0.0	0.0	9.2
13	19.8	32.9	25.6	66.3	0.0	0.0	0.0	6.0
14	19.3	29.5	24.4	75.0	0.0	5.6	5.6	2.2
15	19.0	26.0	22.1	82.3	0.0	0.0	0.0	.4
16	18.6	27.5	22.2	80.0	0.0	0.0	0.0	1.2
17	18.8	31.7	24.7	65.7	0.0	37.7	37.7	6.2
18	18.0	25.1	21.0	86.0	0.0	0.0	0.0	.4
19	17.9	29.5	23.4	73.3	0.0	0.0	0.0	7.2
20	18.5	28.9	22.3	79.7	1.0	.1	1.1	3.5
21	18.6	23.0	20.4	90.3	1.5	0.0	1.5	0.0
22	18.0	30.4	23.7	70.0	0.0	0.0	0.0	7.2
23	19.0	23.0	19.9	90.3	1.5	0.0	1.5	.1
24	17.0	26.1	22.3	76.3	0.0	0.0	0.0	2.4
25	19.0	22.0	20.0	92.0	5.1	.3	5.4	.1
26	17.4	22.6	18.4	91.7	3.0	1.6	4.6	.1
27	15.0	26.0	20.5	75.7	0.0	0.0	0.0	8.2
28	17.9	29.2	23.4	67.3	0.0	0.0	0.0	8.5
29	17.7	30.5	24.2	69.7	0.0	0.0	0.0	9.4
30	19.2	30.7	24.6	68.0	0.0	6.7	6.7	8.7
31	17.5	30.0	22.2	80.0	.2	28.8	29.0	5.9
TOTAL PROMEDIO	18.1	28.3	22.6	75.1	12.8	82.1	94.9	141.2

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	23.8	20.4	85.3	0.0	0.0	0.0	.2
2	16.5	28.2	21.9	73.0	0.0	8.4	8.4	6.3
3	18.0	27.8	22.1	76.0	0.0	3.0	3.0	4.9
4	18.2	26.6	21.2	84.0	3.5	9.9	13.4	4.1
5	17.4	28.3	21.8	81.7	.8	3.1	3.9	5.7
6	18.4	26.9	21.8	79.7	.7	0.0	.7	3.5
7	16.5	29.2	23.1	73.3	0.0	0.0	0.0	8.9
8	17.0	31.4	24.0	67.7	0.0	0.0	0.0	9.7
9	17.4	30.8	24.0	68.3	0.0	0.0	0.0	10.1
10	17.6	29.7	24.0	71.0	0.0	0.0	0.0	9.5
11	18.4	31.1	24.9	69.3	0.0	12.9	12.9	8.9
12	17.5	29.2	22.8	78.7	0.0	0.0	0.0	5.6
13	19.5	29.4	23.7	74.0	0.0	0.0	0.0	3.3
14	19.0	28.0	23.2	78.3	.5	2.7	3.2	.7
15	18.0	28.6	22.5	74.3	0.0	9.3	9.3	6.1
16	17.6	25.9	20.6	85.3	.2	0.0	.2	1.7
17	18.0	28.4	22.1	76.0	0.0	0.0	0.0	5.6
18	17.0	29.8	22.7	75.7	0.0	0.0	0.0	7.2
19	18.6	28.4	22.8	74.0	0.0	.8	.8	3.9
20	18.9	27.9	22.6	83.0	9.4	16.7	26.1	1.9
21	17.0	25.9	21.1	82.3	0.0	0.0	0.0	.7
22	18.0	27.2	22.9	75.3	.5	20.0	20.5	5.4
23	17.4	25.0	21.1	84.3	0.0	.2	.2	.1
24	18.0	27.0	22.1	80.3	0.0	2.5	2.5	2.0
25	18.6	25.4	21.7	83.3	.3	19.6	19.9	.7
26	17.0	28.1	22.3	79.7	0.0	10.5	10.5	6.0
27	18.0	25.7	22.0	79.0	0.0	13.2	13.2	1.6
28	17.4	24.5	20.4	87.3	0.0	6.8	6.8	.2
29	18.0	26.3	21.8	79.0	0.0	6.7	6.7	5.5
30	18.4	21.8	19.5	94.0	17.4	0.0	17.4	0.0
31								
TOTAL PROMEDIO	17.8	27.5	22.2	78.4	33.3	146.3	179.6	130.0

ESTACION: RAFAEL ESCOBAR

DPTO: CALDAS

LATITUD : 05° 28'N

AÑO : 1990

MPIO: SUPIA

LONGITUD: 75° 39'W

ALTITUD : 1320 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	26.6	22.2	77.7	0.0	0.0	0.0	3.0
2	17.4	26.1	21.9	77.3	0.0	0.0	0.0	3.1
3	18.0	26.4	20.3	89.7	.2	0.0	.2	3.5
4	17.0	28.1	22.1	76.3	0.0	5.2	5.2	2.8
5	17.6	27.0	21.7	79.3	0.0	0.0	0.0	1.5
6	17.3	27.6	22.2	78.0	0.0	0.0	0.0	4.6
7	18.5	29.4	23.3	76.0	0.0	1.1	1.1	6.4
8	19.2	27.9	23.2	76.7	0.0	0.0	0.0	5.3
9	19.3	29.6	23.6	77.0	0.0	17.3	17.3	7.2
10	19.5	28.8	22.9	76.0	0.0	2.6	2.6	5.7
11	17.5	27.9	22.6	76.3	0.0	0.0	0.0	5.9
12	17.9	27.2	21.9	79.7	0.0	1.0	1.0	4.3
13	18.0	27.0	22.5	79.3	0.0	0.0	0.0	2.4
14	17.0	26.4	22.0	77.0	0.0	0.0	0.0	3.4
15	17.4	28.1	22.6	79.3	0.0	0.0	0.0	6.2
16	18.0	30.0	23.8	76.7	0.0	0.0	0.0	8.1
17	20.0	28.8	23.1	79.7	0.0	0.0	0.0	1.8
18	19.2	28.6	23.4	75.3	0.0	0.0	0.0	6.1
19	18.6	28.5	22.8	75.0	0.0	0.0	0.0	5.0
20	18.0	30.0	23.6	75.0	.3	0.0	.3	6.5
21	20.0	26.9	23.3	78.3	0.0	0.0	0.0	1.1
22	19.0	26.0	22.0	84.7	1.1	.5	1.6	1.6
23	18.0	27.6	21.9	82.0	.7	5.6	6.3	5.2
24	18.6	28.2	23.0	76.0	0.0	0.0	0.0	6.9
25	18.4	25.7	21.2	83.3	1.7	0.0	1.7	1.2
26	17.6	29.6	23.4	72.7	0.0	0.0	0.0	7.6
27	18.0	26.4	22.4	78.0	0.0	0.0	0.0	2.2
28	18.7	28.0	22.4	78.3	.1	26.3	26.4	5.8
29	16.8	24.3	19.7	85.3	6.1	0.0	6.1	.9
30	16.4	27.4	21.6	80.0	.2	0.0	.2	5.7
31	17.4	28.1	22.4	74.7	0.0	0.0	0.0	6.7
TOTAL PROMEDIO	18.1	27.7	22.4	78.4	10.4	59.6	70.0	137.7

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.6	26.4	20.5	84.0	1.0	1.5	2.5	4.9
2	16.0	26.9	22.1	75.3	0.0	0.0	0.0	8.9
3	17.8	28.5	22.9	73.7	0.0	0.0	0.0	5.8
4	18.0	28.2	21.9	77.3	0.0	0.0	0.0	6.2
5	18.6	29.1	23.6	74.7	0.0	0.0	0.0	8.4
6	18.4	30.9	24.6	67.0	0.0	0.0	0.0	8.7
7	17.5	29.6	23.1	66.0	0.0	0.0	0.0	4.4
8	17.2	27.0	22.1	77.7	0.0	0.0	0.0	3.4
9	19.0	26.0	22.1	82.7	.3	5.3	5.6	0.0
10	18.4	25.7	21.1	85.0	1.2	0.0	1.2	.8
11	18.6	25.5	21.6	81.3	0.0	0.0	0.0	0.0
12	18.0	27.5	20.9	80.7	0.0	0.0	0.0	2.8
13	16.4	26.4	20.8	77.3	.3	6.7	7.0	4.9
14	18.0	28.0	22.7	74.7	0.0	0.0	0.0	3.2
15	18.2	27.5	22.6	76.7	0.0	6.7	6.7	4.8
16	17.4	26.8	21.7	78.3	.4	0.0	.4	1.6
17	16.9	28.4	22.4	74.0	0.0	0.0	0.0	6.7
18	16.8	29.9	23.4	69.7	0.0	0.0	0.0	10.1
19	17.6	30.0	23.6	73.3	0.0	0.0	0.0	8.0
20	18.3	30.5	24.2	69.0	0.0	0.0	0.0	8.4
21	17.1	31.0	23.9	57.3	0.0	0.0	0.0	7.2
22	17.6	29.4	23.2	62.0	0.0	0.0	0.0	4.7
23	18.0	27.7	22.1	79.3	.2	0.0	.2	4.7
24	18.5	27.9	21.2	81.7	0.0	0.0	0.0	2.3
25	17.4	29.4	23.1	71.0	0.0	0.0	0.0	8.0
26	17.5	28.0	23.3	70.0	0.0	0.0	0.0	5.8
27	18.4	26.1	22.3	78.7	0.0	0.0	0.0	0.0
28	17.4	31.0	23.9	67.7	0.0	0.0	0.0	5.8
29	17.5	31.2	23.9	63.0	0.0	0.0	0.0	7.5
30	19.0	31.0	24.1	59.3	0.0	0.0	0.0	6.4
31								
TOTAL PROMEDIO	17.8	28.4	22.6	73.6	3.4	20.2	23.6	154.4

ESTACION: RAFAEL ESCOBAR

DPTO: CALDAS

LATITUD : 05° 28'N

AÑO : 1990

MPIO: SUPIA

LONGITUD: 75° 39'W

ALTITUD : 1320 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	30.6	22.7	68.3	0.0	.3	.3	6.6
2	17.5	27.6	21.2	79.3	1.7	0.0	1.7	1.6
3	16.9	29.4	23.4	67.0	0.0	0.0	0.0	6.2
4	18.0	28.4	21.6	76.7	2.6	19.0	21.6	4.5
5	17.4	26.7	21.6	79.3	0.0	.3	.3	2.8
6	18.1	26.5	21.6	78.0	0.0	0.0	0.0	2.5
7	16.5	29.4	23.0	67.7	0.0	1.6	1.6	6.7
8	17.4	28.0	22.5	74.7	0.0	11.3	11.3	7.4
9	17.2	26.8	22.5	72.7	0.0	7.2	7.2	6.0
10	17.4	26.2	21.3	78.7	0.0	0.0	0.0	5.9
11	17.5	26.6	22.2	76.0	0.0	6.0	6.0	4.2
12	16.3	27.4	22.0	75.7	0.0	0.0	0.0	3.8
13	17.0	28.0	22.4	72.0	0.0	8.4	8.4	5.0
14	16.9	26.4	22.1	75.3	0.0	0.0	0.0	3.1
15	17.2	27.2	21.2	79.3	.3	0.0	.3	4.4
16	17.4	26.2	21.0	80.3	0.0	5.2	5.2	2.3
17	17.5	27.2	21.6	76.3	.2	10.8	11.0	7.4
18	16.8	26.9	22.1	72.3	0.0	14.3	14.3	8.8
19	16.9	26.4	21.6	75.3	0.0	0.0	0.0	6.8
20	16.0	28.0	22.2	69.3	0.0	12.6	12.6	8.8
21	16.1	26.4	21.6	76.3	0.0	0.0	0.0	6.6
22	16.0	26.6	20.2	82.0	1.1	0.0	1.1	3.4
23	15.9	27.5	22.3	73.3	0.0	.6	.6	9.1
24	17.7	28.3	23.0	72.3	0.0	0.0	0.0	9.4
25	16.5	28.9	23.2	69.3	0.0	0.0	0.0	8.7
26	17.8	27.1	22.5	71.0	0.0	0.0	0.0	8.0
27	17.9	27.6	23.2	74.0	0.0	0.0	0.0	3.7
28	17.8	28.9	23.4	68.7	.2	0.0	.2	8.2
29	17.2	29.6	23.0	69.7	0.0	.3	.3	8.8
30	17.1	27.9	23.0	67.3	0.0	0.0	0.0	7.4
31	17.2	29.4	22.6	63.7	0.0	0.0	0.0	9.5
TOTAL PROMEDIO	17.1	27.7	22.2	73.6	6.1	97.9	104.0	187.6

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.5	28.4	22.5	62.0	0.0	0.0	0.0	7.6
2	19.0	27.9	22.8	71.0	0.0	0.0	0.0	6.2
3	18.0	27.8	22.4	73.3	0.0	0.0	0.0	5.4
4	17.2	28.9	22.5	66.0	0.0	0.0	0.0	5.4
5	17.0	28.5	22.5	69.0	0.0	0.0	0.0	3.9
6	16.0	31.2	23.8	61.7	0.0	0.0	0.0	8.8
7	17.2	29.9	23.7	68.0	0.0	5.2	5.2	8.1
8	18.0	29.8	23.9	69.7	0.0	0.0	0.0	7.6
9	18.5	30.0	24.3	67.7	0.0	0.0	0.0	7.1
10	18.4	26.6	22.2	76.7	0.0	0.0	0.0	1.6
11	17.2	31.4	23.5	65.7	0.0	0.0	0.0	6.5
12	17.0	31.2	24.1	64.0	0.0	0.0	0.0	10.0
13	18.7	28.9	23.9	66.0	0.0	0.0	0.0	4.7
14	18.4	28.4	21.2	76.0	.2	3.0	3.2	3.8
15	17.0	26.9	21.5	81.0	.2	0.0	.2	2.3
16	17.5	29.9	23.7	67.3	0.0	0.0	0.0	6.8
17	17.7	32.2	24.7	62.0	0.0	0.0	0.0	10.1
18	18.7	28.6	23.7	70.7	0.0	0.0	0.0	.7
19	17.6	31.4	24.9	59.7	0.0	0.0	0.0	8.6
20	17.8	28.9	23.6	66.3	0.0	0.0	0.0	1.9
21	17.6	32.1	24.5	54.0	0.0	0.0	0.0	6.9
22	17.8	32.0	24.6	46.7	0.0	0.0	0.0	6.0
23	18.0	29.9	24.0	55.0	0.0	0.0	0.0	5.7
24	18.2	30.8	23.7	60.7	0.0	0.0	0.0	7.1
25	18.8	31.2	21.9	73.7	7.3	.1	7.4	6.4
26	17.0	28.0	22.7	69.0	0.0	12.9	12.9	3.3
27	16.7	29.3	21.2	78.7	9.7	20.1	29.8	6.5
28	17.4	24.4	20.2	82.3	4.5	0.0	4.5	1.0
29	16.8	26.5	21.5	74.7	.1	0.0	.1	3.3
30	17.9	28.7	21.3	75.3	11.2	13.1	24.3	6.5
31	15.0	28.2	21.8	73.7	0.0	0.0	0.0	9.5
TOTAL PROMEDIO	17.5	29.3	23.0	68.0	33.2	54.4	87.6	179.3

ESTACION: RAFAEL ESCOBAR

DPTO: CALDAS

LATITUD : 05° 28'N

ANO : 1990

MPIO: SUPIA

LONGITUD : 75° 39'W

ALTITUD : 1320 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.4	29.2	23.7	67.0	0.0	12.2	12.2	7.3
2	16.7	26.6	21.8	76.0	0.0	43.5	43.5	3.9
3	15.8	27.0	22.4	73.0	0.0	0.0	0.0	4.3
4	17.0	30.5	23.0	67.3	0.0	0.0	0.0	6.9
5	16.9	30.7	23.8	65.7	0.0	0.0	0.0	10.7
6	18.4	28.9	23.7	67.7	0.0	4.2	4.2	7.2
7	17.0	28.0	22.3	71.3	0.0	0.0	0.0	6.1
8	16.8	28.7	22.7	68.0	0.0	2.3	2.3	9.0
9	17.0	28.5	21.5	79.0	.8	0.0	.8	6.0
10	17.1	28.1	22.2	73.7	.3	0.0	.3	5.8
11	17.0	29.2	22.7	71.7	0.0	6.1	6.1	7.4
12	16.8	27.9	21.0	80.7	.9	16.0	16.9	7.3
13	17.0	28.6	23.4	67.0	0.0	1.5	1.5	9.1
14	18.0	27.4	20.8	81.7	.3	0.0	.3	4.0
15	17.0	30.3	23.3	67.3	0.0	0.0	0.0	6.5
16	17.2	29.5	22.9	71.0	0.0	0.0	0.0	7.5
17	16.7	30.8	23.6	67.3	0.0	0.0	0.0	9.4
18	18.2	31.2	24.2	63.3	0.0	0.0	0.0	8.0
19	19.0	28.8	23.7	69.0	0.0	53.5	53.5	3.5
20	16.4	26.8	21.6	75.0	0.0	0.0	0.0	3.2
21	17.8	28.4	22.8	66.7	0.0	50.4	50.4	3.7
22	16.2	26.9	20.5	83.7	.7	2.9	3.6	5.6
23	17.4	27.3	20.5	79.3	1.2	0.0	1.2	5.0
24	16.0	27.7	22.5	74.3	0.0	0.0	0.0	5.6
25	18.6	29.9	21.4	71.3	2.6	.2	2.8	5.8
26	16.3	29.1	20.5	76.7	10.5	1.4	11.9	6.8
27	17.8	28.5	22.7	74.3	0.0	0.0	0.0	7.7
28	18.4	28.0	23.2	74.3	0.0	0.0	0.0	4.2
29	17.8	29.7	23.4	72.3	0.0	0.0	0.0	7.4
30	18.0	29.6	23.1	80.0	.5	15.9	16.4	6.1
31								
TOTAL PROMEDIO	17.3	28.7	22.5	72.5	17.8	210.1	227.9	191.0

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	26.9	21.4	79.0	.7	28.8	29.5	6.0
2	18.3	26.2	21.1	82.0	0.0	4.7	4.7	3.3
3	17.6	27.8	21.6	76.0	0.0	0.0	0.0	4.7
4	17.0	29.2	21.9	75.3	0.0	1.6	1.6	6.2
5	17.4	21.5	18.6	87.7	6.1	0.0	6.1	0.0
6	16.0	28.0	22.0	70.7	0.0	0.0	0.0	8.3
7	18.0	26.5	21.7	80.7	0.0	41.8	41.8	2.1
8	17.1	27.4	21.4	77.3	0.0	0.0	0.0	5.5
9	17.9	27.0	21.2	79.3	.1	4.7	4.8	3.3
10	18.0	24.9	20.8	86.3	0.0	0.0	0.0	2.0
11	17.5	28.6	20.8	83.0	11.2	19.3	30.5	4.3
12	17.2	24.8	19.8	90.7	.1	.5	.6	2.0
13	17.0	27.3	21.8	78.3	0.0	5.4	5.4	4.7
14	18.3	28.5	22.6	78.3	.1	4.5	4.6	6.5
15	16.8	26.3	21.3	79.7	0.0	1.8	1.8	3.8
16	18.0	28.2	22.2	74.0	0.0	4.9	4.9	7.7
17	18.1	26.7	20.5	83.7	.6	1.2	1.8	1.7
18	17.3	28.0	22.2	76.3	0.0	0.0	0.0	5.2
19	18.0	27.8	22.3	77.7	.1	19.8	19.9	5.5
20	17.2	24.6	20.1	81.0	.1	4.6	4.7	2.4
21	17.4	26.7	20.9	80.3	0.0	3.3	3.3	4.9
22	18.0	21.0	17.9	93.0	9.5	0.0	9.5	0.0
23	16.2	27.3	21.6	75.3	0.0	0.0	0.0	3.9
24	17.9	23.6	19.9	88.0	.6	.1	.7	1.2
25	17.4	28.3	22.1	74.3	0.0	1.2	1.2	6.4
26	17.0	27.9	21.7	71.0	0.0	0.0	0.0	6.5
27	16.9	28.0	20.2	80.3	0.0	.8	.8	5.5
28	17.3	27.9	21.0	78.0	.2	.4	.6	6.3
29	17.4	27.0	20.1	84.7	1.3	9.4	10.7	3.8
30	17.7	27.8	21.3	78.3	0.0	.7	.7	6.4
31	18.0	26.8	21.2	78.7	.1	0.0	.1	4.3
TOTAL PROMEDIO	17.4	26.7	21.1	80.0	30.8	159.5	190.3	134.4

ESTACION: RAFAEL ESCOBAR

DPTO: CALDAS

LATITUD : 05° 28'N

AÑO : 1990

MPIO: SUPIA

LONGITUD: 75° 39'W

ALTITUD : 1320 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.5	28.0	21.8	80.0	0.0	.6	.6	6.8
2	18.0	27.8	21.5	80.7	3.9	12.8	16.7	4.6
3	18.1	27.2	20.8	84.7	2.1	53.5	55.6	1.7
4	17.0	24.2	20.3	84.3	0.0	.2	.2	1.4
5	17.4	27.1	22.1	77.0	0.0	19.4	19.4	2.6
6	15.6	27.8	21.8	77.0	0.0	0.0	0.0	8.6
7	17.8	28.1	22.8	70.7	0.0	0.0	0.0	9.3
8	18.3	29.0	23.2	75.0	0.0	40.1	40.1	7.0
9	17.0	28.0	22.4	77.7	0.0	38.2	38.2	4.6
10	17.1	27.6	20.9	85.3	.5	0.0	.5	5.5
11	16.4	28.2	22.0	78.0	.3	0.0	.3	6.5
12	17.0	29.3	22.7	74.0	0.0	0.0	0.0	7.4
13	18.0	29.4	23.3	72.3	0.0	0.0	0.0	8.4
14	18.9	29.7	23.5	75.0	0.0	0.0	0.0	7.5
15	19.0	29.9	23.3	75.7	0.0	0.0	0.0	6.7
16	17.8	28.3	23.0	74.7	0.0	20.6	20.6	7.5
17	17.4	25.5	21.2	80.0	0.0	0.0	0.0	1.6
18	18.0	24.2	20.5	86.3	0.0	1.0	1.0	0.0
19	15.7	29.2	23.0	72.7	0.0	24.1	24.1	9.0
20	18.8	27.2	22.1	81.7	0.0	1.9	1.9	1.9
21	19.0	25.1	18.1	95.0	20.4	7.4	27.8	1.0
22	15.2	25.0	19.8	83.7	0.0	0.0	0.0	2.7
23	16.2	27.8	20.7	76.3	.4	3.5	3.9	3.6
24	16.4	25.0	20.3	82.3	0.0	0.0	0.0	1.8
25	15.8	28.4	22.1	71.7	0.0	21.5	21.5	8.7
26	17.0	28.6	21.3	78.7	.2	0.0	.2	2.6
27	17.9	25.4	21.1	81.7	0.0	0.0	0.0	1.3
28	18.0	27.4	22.2	80.0	0.0	0.0	0.0	1.9
29	18.2	27.6	22.1	78.7	0.0	16.5	16.5	5.6
30	17.2	28.0	21.8	80.0	0.0	0.0	0.0	4.1
31								
TOTAL PROMEDIO	17.4	27.5	21.7	79.0	27.8	261.3	289.1	140.9

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	28.0	22.7	76.3	0.0	25.9	25.9	4.7
2	17.4	27.3	20.1	81.7	27.6	0.0	27.6	3.0
3	17.0	25.9	21.0	82.3	0.0	0.0	0.0	4.0
4	18.8	27.4	21.8	79.3	8.4	58.6	67.0	4.2
5	18.0	22.9	19.3	88.7	.5	.5	1.0	1.1
6	16.4	26.2	20.3	79.7	0.0	0.0	0.0	2.7
7	16.2	27.8	20.9	76.3	0.0	.3	.3	5.2
8	17.2	24.4	19.6	87.3	3.0	0.0	3.0	.9
9	15.4	27.4	21.1	77.3	0.0	0.0	0.0	9.1
10	16.7	28.2	21.8	70.0	0.0	0.0	0.0	9.2
11	17.7	28.4	22.3	72.0	0.0	0.0	0.0	8.1
12	17.9	28.2	22.1	74.3	0.0	0.0	0.0	7.6
13	15.4	28.3	21.7	76.7	0.0	0.0	0.0	8.9
14	17.2	28.9	22.3	75.7	0.0	0.0	0.0	7.0
15	16.2	30.2	23.5	60.0	0.0	0.0	0.0	9.7
16	15.5	28.9	21.9	75.3	0.0	0.0	0.0	6.9
17	17.0	29.9	23.0	70.0	0.0	0.0	0.0	7.8
18	17.8	28.4	22.5	74.7	0.0	0.0	0.0	4.7
19	17.2	26.2	21.5	80.3	0.0	0.0	0.0	0.0
20	17.8	29.9	23.9	70.0	0.0	0.0	0.0	9.0
21	18.0	28.4	22.4	76.3	0.0	0.0	0.0	5.4
22	17.8	27.3	22.0	78.0	0.0	0.0	0.0	3.5
23	18.8	28.9	22.6	74.0	0.0	0.0	0.0	5.9
24	18.0	26.2	21.1	81.3	.1	6.1	6.2	1.7
25	17.9	27.8	22.2	80.3	0.0	0.0	0.0	4.3
26	17.5	28.2	22.2	74.3	0.0	0.0	0.0	5.3
27	18.4	24.7	21.2	82.7	0.0	.1	.1	.5
28	17.4	24.6	20.4	84.3	0.0	0.0	0.0	.4
29	18.0	27.2	21.9	76.3	0.0	0.0	0.0	1.3
30	17.0	28.2	20.1	81.3	3.5	6.7	10.2	6.0
31	15.6	26.4	20.7	78.0	0.0	0.0	0.0	2.7
TOTAL PROMEDIO	17.3	27.4	21.6	77.3	43.1	98.2	141.3	149.8



ESTACION: RAFAEL ESCOBAR  
 AÑO : 1990

DPTO: CALDAS  
 MPIO: SUPIA

LATITUD : 05° 28'N  
 LONGITUD: 75° 39'W  
 ALTITUD : 1320 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	17.3	28.0	22.1	15.0	31.6	76.9	52.3	12	165.3
FEBRERO	17.6	27.8	22.1	16.0	31.8	76.9	103.6	15	129.2
MARZO	18.1	28.3	22.6	15.0	32.9	75.1	94.9	13	141.2
ABRIL	17.8	27.5	22.2	16.5	31.4	78.4	179.6	20	130.0
MAYO	18.1	27.7	22.4	16.4	30.0	78.4	70.0	13	137.7
JUNIO	17.8	28.4	22.6	16.0	31.2	73.6	23.6	7	154.4
JULIO	17.1	27.7	22.2	15.9	30.6	73.6	104.0	18	187.6
AGOSTO	17.5	29.3	23.0	15.0	32.2	68.0	87.6	9	179.3
SEPTIEMBRE	17.3	28.7	22.5	15.8	31.2	72.5	227.9	17	191.0
OCTUBRE	17.4	26.7	21.1	16.0	29.2	80.0	190.3	24	134.4
NOVIEMBRE	17.4	27.5	21.7	15.2	29.9	79.0	289.1	18	140.9
DICIEMBRE	17.3	27.4	21.6	15.4	30.2	77.3	141.3	9	149.8
PROMEDIO	17.6	27.9	22.2			75.8			
ABSOLUTA				15.0	32.9				
TOTAL							1564.2	175	1840.8

ESTACION: SANTA HELENA

DPTO: CALDAS

LATITUD : 05° 19'N

ANO : 1990

MPIO: MARQUETALIA

LONGITUD: 75° 00'W

ALTITUD : 1450 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.3	22.6	18.8	92.3	0.0	16.3	16.3	5.5
2	16.2	21.6	18.7	92.0	0.0	11.4	11.4	1.3
3	17.2	22.9	19.7	90.0	1.4	2.7	4.1	1.7
4	17.5	23.5	20.1	86.3	0.0	.1	.1	4.4
5	16.4	24.4	19.6	86.3	0.0	0.0	0.0	3.7
6	17.3	24.5	20.4	82.3	.4	25.8	26.2	4.0
7	17.0	22.5	19.4	91.0	0.0	.6	.6	3.0
8	17.6	22.7	19.6	91.0	0.0	14.8	14.8	1.1
9	16.6	23.6	19.4	92.3	.7	.5	1.2	4.5
10	16.5	23.0	19.4	91.0	0.0	84.0	84.0	1.9
11	16.4	23.9	19.5	89.0	0.0	.3	.3	3.9
12	17.4	22.9	19.5	87.3	0.0	6.7	6.7	1.1
13	16.0	24.5	19.6	82.0	0.0	0.0	0.0	8.0
14	16.8	23.5	19.5	87.3	0.0	0.0	0.0	3.0
15	17.8	25.5	20.7	87.0	0.0	.9	.9	7.1
16	18.0	23.5	20.3	91.7	0.0	12.1	12.1	1.4
17	17.6	24.5	21.2	86.3	0.0	29.8	29.8	3.1
18	18.4	24.7	20.9	87.7	3.3	13.8	17.1	3.8
19	17.7	23.9	20.8	92.3	.1	1.1	1.2	4.1
20	17.8	23.6	20.5	91.7	7.6	3.1	10.7	2.0
21	16.0	24.9	21.7	77.0	0.0	13.8	13.8	5.5
22	17.0	22.4	19.6	85.7	0.0	0.0	0.0	9.7
23	18.2	25.6	21.4	83.7	0.0	0.0	0.0	4.6
24	18.5	25.4	22.7	71.0	0.0	0.0	0.0	10.8
25	19.0	27.0	23.4	72.3	0.0	0.0	0.0	0.0
26	18.4	22.4	20.1	80.7	.5	0.0	.5	0.0
27	17.0	25.0	20.6	80.0	0.0	0.0	0.0	6.8
28	18.3	25.8	21.2	77.3	0.0	0.0	0.0	10.2
29	19.2	26.4	21.9	83.7	0.0	1.9	1.9	9.2
30	18.8	22.8	20.4	92.3	.6	1.7	2.3	.6
31	19.0	23.6	21.1	91.0	.5	0.0	.5	.9
TOTAL PROMEDIO	17.5	24.0	20.4	86.2	15.1	241.4	256.5	127.3

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	19.0	25.5	22.9	78.0	0.0	24.3	24.3	5.2
2	18.0	21.5	19.7	92.7	20.2	4.1	24.3	.1
3	18.6	24.5	20.5	90.0	1.0	0.0	1.0	3.7
4	18.2	24.4	21.1	87.0	0.0	40.5	40.5	6.0
5	16.5	22.0	19.2	94.3	5.6	6.8	12.4	2.3
6	17.0	24.7	18.8	92.0	0.0	0.0	0.0	2.0
7	17.1	22.5	19.4	92.0	0.0	0.0	0.0	2.4
8	18.0	23.5	20.3	90.3	.3	6.3	6.6	1.3
9	17.0	22.8	20.1	85.7	0.0	19.2	19.2	2.0
10	18.0	24.4	20.4	90.7	0.0	.2	.2	4.0
11	18.2	24.0	20.4	87.7	0.0	.9	.9	5.9
12	17.8	23.4	19.6	88.0	0.0	0.0	0.0	1.8
13	17.7	22.4	19.8	88.7	0.0	0.0	0.0	.1
14	18.0	24.8	20.6	88.3	0.0	3.2	3.2	3.1
15	18.0	24.2	20.1	90.7	1.1	2.8	3.9	4.1
16	18.1	24.5	20.3	86.3	0.0	0.0	0.0	7.3
17	17.5	23.5	19.7	91.3	0.0	6.4	6.4	7.1
18	17.2	22.8	18.7	90.7	.7	6.1	6.8	1.1
19	16.4	22.6	18.9	86.0	.1	10.5	10.6	1.4
20	15.5	23.0	19.1	84.0	0.0	0.0	0.0	3.7
21	17.7	23.4	20.0	84.0	0.0	10.8	10.8	5.2
22	16.5	23.5	19.7	88.7	2.0	8.4	10.4	2.3
23	18.0	23.2	20.5	89.7	0.0	46.9	46.9	2.6
24	17.4	21.5	19.0	94.3	.4	3.0	3.4	1.2
25	17.3	23.6	19.8	85.0	0.0	0.0	0.0	5.4
26	16.6	23.2	19.2	86.3	0.0	0.0	0.0	1.0
27	16.1	22.4	19.1	78.7	0.0	1.0	1.0	1.9
28	15.6	22.0	18.8	85.0	.3	0.0	.3	.6
29								
30								
31								
TOTAL PROMEDIO	17.4	23.4	19.8	88.1	31.7	201.4	233.1	84.8

ESTACION: SANTA HELENA

DPTO: CALDAS

LATITUD : 05° 19'N

AÑO : 1990

MPIO: MARQUETALIA

LONGITUD : 75° 00'W

ALTITUD : 1450 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	24.9	20.1	86.3	0.0	7.6	7.6	6.3
2	17.0	24.8	20.2	86.7	0.0	0.0	0.0	5.0
3	17.5	22.5	19.6	88.7	0.0	0.0	0.0	1.1
4	17.3	24.4	20.1	89.0	0.0	74.3	74.3	1.8
5	16.0	22.6	19.5	83.7	0.0	0.0	0.0	.8
6	17.5	25.2	21.4	87.0	0.0	13.7	13.7	8.7
7	17.3	25.6	21.6	86.7	0.0	11.1	11.1	5.0
8	18.4	25.3	20.9	88.3	0.0	18.9	18.9	3.8
9	18.0	23.5	20.4	91.3	0.0	0.0	0.0	3.8
10	18.6	25.6	20.7	84.3	0.0	0.0	0.0	2.1
11	19.7	24.4	21.2	76.0	0.0	0.0	0.0	.3
12	17.6	26.4	22.9	71.3	0.0	0.0	0.0	8.3
13	20.0	27.0	23.7	65.0	0.0	0.0	0.0	7.0
14	20.1	27.5	22.3	74.0	0.0	0.0	0.0	3.4
15	19.8	25.6	22.5	66.0	0.0	.3	.3	0.0
16	18.8	24.8	20.9	82.7	0.0	0.0	0.0	2.9
17	16.4	26.4	22.1	83.3	0.0	38.7	38.7	4.3
18	16.5	23.4	20.2	84.0	0.0	.6	.6	1.6
19	18.0	24.9	21.1	87.7	0.0	150.3	150.3	6.6
20	16.2	23.5	21.1	84.7	.1	0.0	.1	.4
21	18.9	21.8	19.5	93.0	0.0	0.0	0.0	0.0
22	17.4	23.2	20.3	95.0	.3	106.8	107.1	1.4
23	17.0	23.0	19.2	92.0	.1	0.0	.1	.7
24	16.5	21.0	18.9	89.3	.4	0.0	.4	.4
25	17.4	23.5	19.2	93.0	1.1	3.7	4.8	.7
26	15.4	18.6	16.5	91.7	7.9	3.6	11.5	0.0
27	15.5	21.5	18.2	81.0	0.0	0.0	0.0	3.2
28	17.4	24.0	19.7	87.3	0.0	0.0	0.0	3.8
29	17.9	25.1	21.1	88.3	0.0	2.3	2.3	4.5
30	18.4	25.0	21.0	89.3	0.0	8.8	8.8	4.0
31	18.8	21.7	19.9	92.0	.1	.1	.2	.3
TOTAL PROMEDIO	17.7	24.1	20.5	85.1	10.0	440.8	450.8	92.2

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.5	21.4	18.7	94.0	3.7	0.0	3.7	.1
2	18.0	24.0	19.7	86.7	0.0	.3	.3	4.9
3	17.2	24.4	20.3	91.0	0.0	80.8	80.8	3.4
4	16.5	21.2	18.5	96.0	5.2	25.8	31.0	1.1
5	17.0	23.5	19.9	92.0	0.0	15.1	15.1	4.2
6	16.5	21.6	18.5	95.7	0.0	0.0	0.0	.5
7	18.0	25.4	21.6	76.0	0.0	0.0	0.0	7.5
8	18.8	27.2	22.8	77.0	0.0	0.0	0.0	7.9
9	19.2	27.8	23.0	62.3	0.0	0.0	0.0	10.0
10	19.1	27.0	23.0	69.3	0.0	0.0	0.0	10.2
11	19.5	26.0	22.9	76.0	0.0	0.0	0.0	8.2
12	20.0	24.9	20.9	92.0	0.0	11.5	11.5	3.8
13	18.6	22.4	20.5	94.0	.1	9.8	9.9	.2
14	17.9	23.7	20.0	93.0	11.3	2.2	13.5	1.1
15	18.5	24.1	20.5	85.7	0.0	32.5	32.5	3.0
16	17.8	23.2	19.5	91.7	25.9	0.0	25.9	.6
17	17.5	25.5	20.5	81.7	0.0	0.0	0.0	2.9
18	18.0	24.6	20.3	87.0	9.4	0.0	9.4	3.8
19	18.3	24.0	20.7	91.7	0.0	20.6	20.6	1.3
20	18.5	24.8	19.9	94.3	.4	0.0	.4	1.4
21	18.6	21.4	19.2	95.0	3.3	6.8	10.1	.2
22	18.0	22.6	19.6	90.0	2.2	8.6	10.8	.9
23	17.4	24.0	20.7	87.7	0.0	19.7	19.7	.7
24	17.5	23.4	19.7	89.7	0.0	9.1	9.1	.1
25	17.8	22.5	19.8	90.0	0.0	46.0	46.0	.7
26	16.3	25.4	20.1	86.0	0.0	0.0	0.0	5.3
27	18.0	24.5	20.2	88.7	9.9	62.7	72.6	1.9
28	16.2	19.4	18.1	95.3	22.6	1.1	23.7	.7
29	17.4	22.8	20.2	84.7	0.0	0.0	0.0	7.4
30	17.5	20.0	18.6	90.3	9.1	0.0	9.1	0.0
31								
TOTAL PROMEDIO	17.9	23.8	20.2	87.5	103.1	352.6	455.7	94.0

ESTACION: SANTA HELENA

DPTO: CALDAS

LATITUD : 05° 19'N

ANO : 1990

MPIO: MARQUETALIA

LONGITUD: 75° 00'W

ALTITUD : 1450 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.2	24.8	19.4	91.7	.4	3.7	4.1	4.0
2	17.1	23.4	19.9	87.0	.4	8.7	9.1	.7
3	17.0	21.3	18.9	93.3	2.8	.6	3.4	.8
4	17.5	23.2	19.6	88.3	0.0	0.0	0.0	2.8
5	17.7	22.6	19.7	93.3	0.0	8.7	8.7	2.0
6	17.5	24.0	20.3	89.7	0.0	0.0	0.0	1.2
7	18.4	24.5	21.6	83.0	0.0	1.3	1.3	3.5
8	18.3	24.6	20.4	94.3	.4	0.0	.4	2.6
9	18.5	25.0	21.2	90.0	0.0	16.4	16.4	4.6
10	17.4	26.2	20.7	87.3	0.0	4.5	4.5	5.2
11	17.2	23.0	20.0	87.0	0.0	0.0	0.0	.6
12	17.8	23.7	20.5	88.7	0.0	.3	.3	1.9
13	18.4	25.2	21.3	88.7	0.0	49.7	49.7	4.4
14	16.4	23.5	20.4	86.0	0.0	7.5	7.5	4.2
15	16.5	23.4	20.5	90.7	7.2	0.0	7.2	3.5
16	19.0	26.8	22.8	81.3	0.0	0.0	0.0	9.1
17	19.5	24.8	21.5	81.0	0.0	0.0	0.0	4.2
18	18.2	25.2	21.5	81.7	0.0	0.0	0.0	7.5
19	18.7	26.2	21.4	80.7	0.0	0.0	0.0	6.4
20	18.6	26.4	22.4	78.0	0.0	0.0	0.0	7.6
21	20.0	24.5	21.8	76.0	.3	0.0	.3	3.1
22	18.5	24.2	20.7	86.7	0.0	0.0	0.0	
23	18.3	25.6	21.8	79.0	0.0	0.0	0.0	8.8
24	18.4	25.2	20.6	82.7	0.0	0.0	0.0	5.3
25	18.7	24.5	20.2	83.3	.3	0.0	.3	2.0
26	18.2	25.4	21.3	84.0	0.0	0.0	0.0	6.6
27	19.0	25.9	21.6	80.7	0.0	0.0	0.0	7.8
28	17.8	24.1	20.8	85.7	0.0	1.8	1.8	3.6
29	17.0	20.0	18.2	92.0	.2	0.0	.2	0.0
30	17.2	25.6	21.2	78.3	0.0	0.0	0.0	9.5
31	18.0	26.0	21.4	78.3	0.0	0.0	0.0	8.3
TOTAL PROMEDIO	18.0	24.5	20.8	85.4	12.0	103.2	115.2	

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.2	22.0	19.4	95.7	0.0	1.5	1.5	.6
2	17.0	24.7	20.7	85.7	0.0	0.0	0.0	7.5
3	18.5	25.2	21.4	80.0	0.0	0.0	0.0	6.1
4	18.7	25.4	21.9	76.0	0.0	0.0	0.0	5.1
5	18.2	25.5	21.5	82.0	0.0	0.0	0.0	5.9
6	18.7	28.4	23.9	62.0	0.0	0.0	0.0	9.6
7	19.2	26.4	22.9	58.0	0.0	0.0	0.0	6.6
8	19.1	25.7	22.7	65.7	0.0	0.0	0.0	4.3
9	19.2	25.5	22.0	81.7	0.0	13.2	13.2	1.9
10	17.6	24.6	20.1	90.7	0.0	.4	.4	5.2
11	17.8	21.7	19.2	90.3	0.0	0.0	0.0	0.0
12	18.0	26.2	21.1	83.3	0.0	1.9	1.9	8.9
13	18.4	25.5	22.2	76.7	0.0	30.6	30.6	9.0
14	16.6	24.4	20.5	89.7	1.9	24.9	26.8	4.6
15	17.0	26.0	21.9	81.7	0.0	7.3	7.3	6.4
16	16.4	24.2	20.6	84.0	0.0	0.0	0.0	6.1
17	17.5	24.5	21.5	81.7	0.0	0.0	0.0	9.3
18	17.8	27.5	23.2	67.7	0.0	1.0	1.0	10.2
19	18.5	26.2	23.1	70.0	0.0	0.0	0.0	7.9
20	16.5	26.0	22.2	63.3	0.0	0.0	0.0	8.8
21	18.8	26.5	22.3	63.0	0.0	0.0	0.0	7.7
22	18.4	25.0	21.0	75.3	0.0	0.0	0.0	4.3
23	19.5	26.4	22.5	70.3	0.0	15.0	15.0	6.9
24	17.5	23.8	19.5	95.3	0.0	0.0	0.0	1.3
25	18.4	25.4	21.2	84.0	0.0	0.0	0.0	8.4
26	18.0	26.0	22.3	72.0	0.0	0.0	0.0	6.0
27	18.8	24.5	21.0	80.0	0.0	0.0	0.0	1.0
28	18.0	24.6	22.0	78.0	0.0	0.0	0.0	3.7
29	18.2	25.7	22.4	66.0	0.0	0.0	0.0	9.2
30	18.0	26.5	22.6	66.0	0.0	0.0	0.0	9.3
31								
TOTAL PROMEDIO	18.1	25.3	21.6	77.2	1.9	95.8	97.7	181.8

ESTACION: SANTA HELENA

DPTO: CALDAS

LATITUD : 05° 19'N

ANO : 1990

MPIO: MARQUETALIA

LONGITUD: 75° 00'W  
ALTITUD : 1450 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.6	25.4	22.5	71.3	0.0	13.0	13.0	5.3
2	15.5	25.5	21.8	77.3	.4	0.0	.4	6.2
3	18.5	26.2	21.9	74.3	0.0	0.0	0.0	7.1
4	18.4	25.0	21.2	78.0	0.0	.9	.9	3.3
5	17.0	24.0	20.6	83.7	0.0	0.0	0.0	3.7
6	17.5	24.5	20.7	79.0	0.0	0.0	0.0	4.6
7	17.6	26.5	21.7	80.0	0.0	.5	.5	9.2
8	17.4	26.4	20.9	89.7	0.0	10.5	10.5	7.5
9	16.4	26.5	21.3	75.0	0.0	1.9	1.9	6.9
10	17.0	22.6	19.5	90.7	0.0	0.0	0.0	3.2
11	17.6	23.8	20.4	87.7	.3	1.7	2.0	3.8
12	17.5	25.8	20.9	78.7	0.0	0.0	0.0	5.9
13	17.4	26.2	21.9	70.3	0.0	.6	.6	9.6
14	18.5	25.0	20.8	81.7	0.0	27.9	27.9	4.4
15	17.0	23.5	20.3	86.0	0.0	.1	.1	4.4
16	18.0	22.5	19.3	95.0	0.0	3.7	3.7	2.4
17	17.0	22.4	19.5	90.3	.9	0.0	.9	1.7
18	17.1	24.0	20.2	91.3	.9	19.9	20.8	7.6
19	15.6	22.8	19.1	90.0	0.0	0.0	0.0	4.6
20	18.0	26.0	21.6	77.3	0.0	14.6	14.6	11.1
21	15.8	25.5	21.2	70.3	0.0	0.0	0.0	6.8
22	18.0	25.4	21.3	71.7	0.0	0.0	0.0	5.0
23	17.0	25.7	21.7	72.7	0.0	9.6	9.6	9.4
24	17.2	25.5	21.1	78.0	0.0	4.5	4.5	9.0
25	17.5	25.8	22.4	71.3	0.0	.6	.6	9.9
26	17.0	26.4	22.5	54.3	0.0	0.0	0.0	7.6
27	17.5	25.7	22.7	56.3	0.0	0.0	0.0	5.8
28	17.0	26.3	22.4	62.3	0.0	0.0	0.0	10.0
29	18.2	27.5	22.6	70.7	0.0	1.4	1.4	8.1
30	17.6	25.0	20.8	72.0	0.0	0.0	0.0	7.6
31	16.2	24.9	21.1	62.0	0.0	0.0	0.0	11.0
TOTAL PROMEDIO	17.3	25.1	21.1	77.1	2.5	111.4	113.9	202.7

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	26.5	22.6	54.3	0.0	0.0	0.0	10.4
2	18.4	26.4	22.9	56.7	0.0	0.0	0.0	6.4
3	18.5	25.5	22.2	60.7	0.0	2.2	2.2	6.1
4	17.9	26.5	22.3	64.0	0.0	0.0	0.0	6.8
5	18.0	27.5	23.2	61.7	0.0	0.0	0.0	9.1
6	17.9	27.6	24.0	55.3	0.0	0.0	0.0	10.5
7	18.8	26.2	22.6	66.0	10.9	0.0	10.9	8.5
8	18.7	27.4	22.3	64.0	0.0	0.0	0.0	8.1
9	18.3	26.8	22.8	61.7	0.0	0.0	0.0	8.8
10	19.0	25.1	21.1	66.3	0.0	0.0	0.0	3.3
11	18.0	26.5	23.0	56.0	0.0	0.0	0.0	9.9
12	17.8	28.0	23.3	50.0	0.0	0.0	0.0	10.1
13	17.5	25.5	21.7	60.7	0.0	.1	.1	5.0
14	16.8	26.5	21.8	76.3	0.0	27.9	27.9	7.0
15	16.6	23.5	20.3	92.0	5.0	.2	5.2	1.6
16	17.4	26.0	21.4	85.7	0.0	0.0	0.0	7.2
17	18.5	28.5	23.2	68.7	0.0	0.0	0.0	9.9
18	19.4	27.1	21.8	81.7	0.0	1.6	1.6	5.7
19	18.5	27.8	22.9	68.3	0.0	0.0	0.0	9.6
20	19.0	26.9	23.2	64.0	0.0	0.0	0.0	5.9
21	19.1	27.6	22.6	51.3	0.0	0.0	0.0	9.0
22	18.0	27.4	23.2	52.7	0.0	0.0	0.0	8.9
23	19.3	27.5	21.8	69.3	0.0	0.0	0.0	7.3
24	18.0	27.3	23.0	51.3	0.0	0.0	0.0	9.4
25	18.2	27.1	23.4	67.3	0.0	13.9	13.9	7.6
26	16.9	25.8	21.6	75.3	.5	13.3	13.8	8.7
27	15.6	24.6	21.2	74.3	0.0	32.8	32.8	4.3
28	17.1	22.6	19.5	93.7	.9	1.6	2.5	1.2
29	16.7	22.5	20.1	88.7	11.5	.4	11.9	4.7
30	17.4	24.5	20.3	86.7	0.0	2.9	2.9	5.1
31	16.5	26.4	21.1	81.7	0.0	0.0	0.0	7.3
TOTAL PROMEDIO	17.9	26.3	22.1	67.9	28.8	96.9	125.7	223.4

ESTACION: SANTA HELENA

DPTO: CALDAS

LATITUD : 05° 19'N

ANO : 1990

MPIO: MARQUETALIA

LONGITUD: 75° 00'W

ALTITUD : 1450 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	26.7	21.7	83.0	0.0	3.6	3.6	7.3
2	17.6	25.5	21.3	78.3	0.0	10.5	10.5	7.0
3	16.0	23.5	19.7	86.0	0.0	0.0	0.0	3.3
4	17.8	25.8	22.2	69.0	0.0	0.0	0.0	6.3
5	18.8	27.2	22.7	73.3	0.0	0.0	0.0	11.0
6	19.2	27.4	22.3	78.3	0.0	21.5	21.5	7.8
7	15.6	24.1	20.4	81.3	0.0	0.0	0.0	3.4
8	18.2	27.6	22.8	80.0	0.0	1.0	1.0	8.4
9	17.6	24.8	21.0	79.3	.2	0.0	.2	4.8
10	17.5	24.1	20.4	91.0	0.0	0.0	0.0	3.6
11	17.4	24.9	21.8	75.3	0.0	3.7	3.7	4.8
12	17.8	24.4	21.3	85.3	0.0	0.0	0.0	3.8
13	17.5	26.2	21.4	78.0	0.0	1.8	1.8	9.6
14	18.0	25.2	22.2	65.3	0.0	22.5	22.5	7.0
15	15.7	24.3	20.7	73.7	.2	0.0	.2	4.7
16	17.6	26.4	21.9	67.7	0.0	0.0	0.0	10.7
17	17.8	27.2	23.6	55.7	0.0	0.0	0.0	10.1
18	19.0	28.0	22.7	76.0	0.0	3.0	3.0	9.2
19	17.8	25.5	21.3	77.7	0.0	0.0	0.0	5.1
20	18.0	22.6	19.8	89.7	1.0	9.7	10.7	.2
21	15.9	24.4	20.0	89.0	.4	11.6	12.0	5.1
22	16.0	22.8	19.4	81.3	.3	4.5	4.8	1.1
23	16.8	23.8	20.3	84.7	0.0	.7	.7	2.6
24	18.0	25.0	20.6	90.3	0.0	10.5	10.5	5.5
25	15.4	25.3	21.5	82.3	0.0	0.0	0.0	8.5
26	17.6	25.0	20.8	89.0	0.0	18.0	18.0	4.4
27	15.7	24.0	20.9	82.7	0.0	0.0	0.0	3.5
28	18.2	23.2	20.5	89.7	0.0	0.0	0.0	4.3
29	17.1	24.3	21.0	85.0	0.0	.1	.1	4.0
30	18.8	26.8	21.6	88.0	0.0	27.6	27.6	4.1
31								
TOTAL	====	====	====	====	====	====	====	====
PROMEDIO	17.4	25.2	21.2	80.2	2.1	150.3	152.4	167.2

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.1	25.4	20.8	84.0	0.0	4.1	4.1	4.4
2	17.5	25.2	20.2	85.7	0.0	42.5	42.5	4.1
3	16.8	23.4	19.3	90.7	2.1	0.0	2.1	2.8
4	17.0	24.2	20.5	87.3	0.0	.1	.1	2.6
5	16.0	22.8	19.0	91.0	0.0	1.0	1.0	
6	16.9	22.0	19.3	92.0	1.2	0.0	1.2	
7	17.0	23.4	19.6	94.3	0.0	42.0	42.0	
8	16.0	23.8	19.6	85.0	6.2	0.0	6.2	2.0
9	16.9	24.0	20.3	86.3	0.0	68.2	68.2	3.0
10	16.8	23.8	19.6	86.0	7.6	5.9	13.5	3.3
11	17.1	24.0	20.2	91.7	18.1	54.4	72.5	2.3
12	16.0	25.5	19.9	83.7	.3	10.0	10.3	5.6
13	17.0	25.2	20.0	88.0	0.0	19.0	19.0	6.5
14	16.7	25.4	20.5	88.7	.1	23.4	23.5	5.2
15	17.5	23.8	19.9	90.3	10.9	6.1	17.0	1.9
16	17.0	26.3	20.6	86.0	0.0	31.5	31.5	5.1
17	16.8	25.3	20.3	84.3	0.0	2.6	2.6	5.1
18	17.1	25.1	20.2	83.3	0.0	1.3	1.3	4.6
19	17.6	25.3	20.3	89.7	0.0	8.1	8.1	4.3
20	17.0	24.4	19.8	90.0	3.7	32.6	36.3	4.0
21	16.2	24.3	20.8	85.3	0.0	0.0	0.0	7.5
22	16.5	22.5	19.1	90.7	40.8	.3	41.1	.1
23	17.0	24.4	18.9	96.0	6.8	3.2	10.0	2.1
24	17.2	24.0	20.4	82.7	.3	0.0	.3	2.2
25	18.0	25.1	20.3	80.7	0.0	14.9	14.9	7.9
26	17.5	25.0	20.5	78.3	.6	19.6	20.2	8.5
27	17.0	23.8	19.5	93.3	.5	.2	.7	1.0
28	16.4	24.2	19.7	92.3	0.0	1.1	1.1	3.8
29	17.0	23.4	18.9	93.3	8.8	9.3	18.1	1.5
30	17.1	22.3	19.3	90.7	20.3	0.0	20.3	.9
31	17.3	23.0	18.6	91.3	13.5	.6	14.1	1.3
TOTAL	====	====	====	====	====	====	====	====
PROMEDIO	16.9	24.2	19.9	88.2	141.8	402.0	543.8	

ESTACION: SANTA HELENA

DPTO: CALDAS

LATITUD : 05° 19'N

ANO : 1990

MPIO: MARQUETALIA

LONGITUD: 75° 00'W

ALTITUD : 1450 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	23.8	19.6	88.7	.3	56.2	56.5	
2	16.9	25.1	20.0	90.0	14.0	4.2	18.2	
3	17.0	22.0	19.3	93.7	.1	12.6	12.7	.4
4	17.1	21.2	18.6	93.3	1.7	11.0	12.7	0.0
5	16.7	24.5	19.3	91.3	.1	.9	1.0	3.5
6	17.0	25.2	20.9	83.0	0.0	0.0	0.0	6.5
7	18.2	25.8	21.3	87.7	0.0	4.5	4.5	5.6
8	17.9	23.1	20.3	89.7	0.0	3.1	3.1	1.4
9	17.8	25.3	21.1	86.7	0.0	.7	.7	4.0
10	18.1	22.2	19.8	91.7	0.0	0.0	0.0	1.7
11	17.0	25.1	21.6	68.7	0.0	0.0	0.0	10.2
12	17.8	26.2	21.6	80.3	0.0	3.3	3.3	8.0
13	18.6	27.6	21.8	84.7	0.0	0.0	0.0	7.9
14	18.5	25.1	21.7	82.0	0.0	0.0	0.0	5.5
15	18.9	26.0	22.3	74.7	0.0	0.0	0.0	8.9
16	18.8	26.8	22.8	78.7	0.0	0.0	0.0	9.1
17	18.9	25.8	21.8	79.0	0.0	4.0	4.0	
18	17.0	21.8	18.9	93.7	2.8	1.1	3.9	.1
19	16.8	23.7	19.9	90.3	0.0	5.9	5.9	.8
20	18.2	24.6	20.8	87.7	.6	7.5	8.1	4.4
21	18.5	23.2	19.2	93.7	1.4	4.3	5.7	.4
22	17.4	25.0	19.4	84.7	7.2	9.6	16.8	4.7
23	17.2	23.5	19.6	92.0	.7	1.1	1.8	.8
24	17.4	24.1	18.8	85.3	16.7	0.0	16.7	2.6
25	16.4	24.3	20.5	82.3	0.0	2.9	2.9	
26	17.0	24.8	20.8	89.0	0.0	2.0	2.0	2.5
27	18.0	25.1	21.1	83.0	0.0	.1	.1	3.6
28	17.9	23.7	21.0	88.0	0.0	44.0	44.0	
29	17.0	23.4	19.7	91.7	13.5	11.9	25.4	1.8
30	17.4	24.0	19.9	91.0	4.8	4.3	9.1	3.2
31								
TOTAL					63.9	195.2	259.1	
PROMEDIO	17.6	24.4	20.4	86.5				

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.8	25.1	21.3	89.0	0.0	27.5	27.5	3.7
2	17.2	24.5	20.4	90.3	1.6	59.2	60.8	1.6
3	17.6	23.8	19.8	88.0	.2	0.0	.2	1.7
4	17.4	25.0	20.5	88.7	3.5	19.1	22.6	3.0
5	17.2	21.8	18.3	92.0	79.7	13.4	93.1	.1
6	16.0	21.9	18.7	92.0	1.5	.2	1.7	.7
7	16.8	25.1	20.1	88.7	1.4	.7	2.1	2.5
8	16.9	19.8	18.1	90.3	30.2	0.0	30.2	.4
9	16.0	23.1	19.4	88.3	0.0	28.8	28.8	4.2
10	16.5	24.9	20.2	88.0	.7	53.2	53.9	4.1
11	17.0	22.0	19.1	89.7	21.9	7.8	29.7	3.1
12	17.1	24.0	19.6	92.0	0.0	0.0	0.0	4.1
13	16.8	25.0	20.5	86.7	0.0	0.0	0.0	4.0
14	17.8	22.2	19.7	88.7	0.0	0.0	0.0	1.2
15	18.0	26.0	21.7	77.3	0.0	0.0	0.0	9.7
16	17.9	25.8	21.5	81.3	0.0	0.0	0.0	
17	18.5	27.8	22.4	79.3	0.0	0.0	0.0	
18	18.4	26.7	22.4	73.0	0.0	.6	.6	
19	18.5	23.8	20.9	85.3	0.0	0.0	0.0	.4
20	18.0	27.2	22.0	84.3	0.0	34.5	34.5	7.2
21	17.8	24.0	20.7	86.7	0.0	12.2	12.2	2.1
22	17.0	23.2	19.6	89.3	.5	8.1	8.6	1.1
23	17.8	25.4	20.5	86.3	0.0	15.3	15.3	3.9
24	16.7	23.2	19.1	86.0	0.0	45.3	45.3	.2
25	16.8	23.0	19.0	84.7	0.0	4.1	4.1	1.5
26	17.8	23.7	19.9	90.3	0.0	24.4	24.4	.9
27	16.8	23.1	19.4	90.0	0.0	0.0	0.0	.4
28	17.8	21.8	19.0	83.3	5.3	0.0	5.3	.4
29	18.0	24.2	20.3	82.3	0.0	11.2	11.2	3.0
30	17.5	25.8	20.8	87.0	0.0	.4	.4	3.9
31	17.8	25.2	20.7	80.0	.4	.6	1.0	5.0
TOTAL					146.9	366.6	513.5	
PROMEDIO	17.4	24.1	20.2	86.4				

ESTACION: SANTA HELENA

DPTO: CALDAS

LATITUD : 05° 19'N

AÑO : 1990

MPIO: MARQUETALIA

LONGITUD: 75° 00'W

ALTITUD : 1450 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	17.5	24.0	20.4	16.0	27.0	86.2	256.5	22	127.3
FEBRERO	17.4	23.4	19.8	15.5	25.5	88.1	233.1	20	84.8
MARZO	17.7	24.1	20.5	15.4	27.5	85.1	450.8	18	92.2
ABRIL	17.9	23.8	20.2	16.2	27.8	87.5	455.7	21	94.0
MAYO	18.0	24.5	20.8	16.4	26.8	85.4	115.2	16	
JUNIO	18.1	25.3	21.6	16.4	28.4	77.2	97.7	9	181.8
JULIO	17.3	25.1	21.1	15.5	27.5	77.1	113.9	18	202.7
AGOSTO	17.9	26.3	22.1	15.6	28.5	67.9	125.7	12	223.4
SEPTIEMBRE	17.4	25.2	21.2	15.4	28.0	80.2	152.4	18	167.2
OCTUBRE	16.9	24.2	19.9	16.0	26.3	88.2	543.8	30	
NOVIEMBRE	17.6	24.4	20.4	16.4	27.6	86.5	259.1	23	
DICIEMBRE	17.4	24.1	20.2	16.0	27.8	86.4	513.5	23	
PROMEDIO	17.6	24.5	20.7			82.9			
ABSOLUTA				15.4	28.5				
TOTAL							3317.4	230	



ESTACION: AGRONOMIA

DPTO: CALDAS

LATITUD : 05° 03'N

ANO : 1990

MPIO: MANIZALES

LONGITUD : 75° 29'W

ALTITUD : 2150 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	11.8	21.8	16.4	70.7	0.0	.5	.5	7.3
2	13.0	20.6	17.0	75.3	0.0	21.2	21.2	2.8
3	12.9	24.0	16.1	78.3	1.8	.2	2.0	1.1
4	12.4	21.0	16.3	72.3	.2	9.2	9.4	4.7
5	12.8	18.8	15.6	87.0	0.0	0.0	0.0	1.3
6	12.0	20.6	15.6	77.0	0.0	3.2	3.2	3.1
7	13.0	20.4	15.8	80.7	2.4	.2	2.6	1.5
8	13.2	17.0	15.0	90.3	2.5	0.0	2.5	0.0
9	12.6	22.0	16.6	77.3	3.2	0.0	3.2	6.4
10	13.0	21.2	16.9	77.3	.1	0.0	.1	5.4
11	12.8	20.2	15.9	74.3	0.0	3.1	3.1	2.3
12	13.2	17.2	14.7	91.3	15.6	0.0	15.6	0.0
13	12.0	19.1	15.3	83.3	.2	0.0	.2	4.8
14	12.2	20.3	16.7	76.7	0.0	0.0	0.0	6.3
15	13.6	23.0	18.0	70.3	0.0	0.0	0.0	7.8
16	13.4	21.0	17.2	75.0	.3	1.5	1.8	2.9
17	14.0	23.0	17.0	78.0	.1	0.0	.1	5.3
18	13.9	22.7	17.7	77.0	0.0	2.8	2.8	4.5
19	14.8	19.2	16.5	85.7	9.5	0.0	9.5	.9
20	13.8	23.1	17.5	69.0	0.0	0.0	0.0	7.9
21	13.0	21.0	16.2	73.7	.2	0.0	.2	4.1
22	14.5	22.1	16.9	83.0	0.0	0.0	0.0	.8
23	13.5	23.3	19.1	58.0	0.0	0.0	0.0	8.8
24	14.0	23.6	18.7	71.7	0.0	0.0	0.0	4.3
25	14.1	25.5	19.0	58.0	0.0	0.0	0.0	10.0
26	15.3	18.0	16.2	92.0	.7	0.0	.7	.1
27	14.9	24.0	18.6	52.7	0.0	0.0	0.0	7.2
28	13.8	24.2	18.8	68.0	0.0	0.0	0.0	5.8
29	14.0	24.3	19.0	72.3	0.0	0.0	0.0	5.8
30	14.2	22.7	18.6	75.3	0.0	0.0	0.0	3.0
31	14.0	22.3	18.3	74.0	0.0	0.0	0.0	1.8
TOTAL					36.8	41.9	78.7	128.0
PROMEDIO	13.4	21.5	17.0	75.7				

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	13.5	23.8	18.3	68.3	0.0	0.0	0.0	6.0
2	14.5	23.2	17.3	74.3	1.2	0.0	1.2	1.6
3	15.0	21.4	17.6	83.3	0.0	0.0	0.0	1.5
4	14.8	21.5	17.4	82.3	0.0	64.3	64.3	1.7
5	13.8	19.5	16.2	84.3	3.7	1.5	5.2	.6
6	13.4	21.8	17.0	79.0	0.0	7.8	7.8	3.8
7	14.0	22.4	17.7	76.7	0.0	0.0	0.0	3.5
8	14.8	22.5	18.0	73.7	.5	1.0	1.5	2.4
9	14.2	20.2	16.9	78.7	0.0	0.0	0.0	1.1
10	14.0	21.2	17.1	84.0	0.0	9.9	9.9	2.5
11	14.8	21.6	16.6	84.3	12.7	2.6	15.3	3.7
12	13.9	18.0	15.6	93.0	5.3	5.0	10.3	.1
13	13.6	18.8	16.1	82.7	0.0	0.0	0.0	.7
14	12.9	22.2	17.2	80.0	0.0	45.7	45.7	5.2
15	14.0	21.8	17.9	79.7	0.0	0.0	0.0	6.8
16	13.8	23.0	17.6	72.0	0.0	0.0	0.0	6.7
17	12.2	23.4	17.2	67.3	0.0	1.1	1.1	10.0
18	13.4	19.0	15.3	84.0	.2	12.3	12.5	1.0
19	12.7	20.2	15.5	80.7	1.2	.2	1.4	2.1
20	13.0	20.0	15.8	76.3	16.4	.6	17.0	2.2
21	13.2	21.2	16.6	75.3	0.0	0.0	0.0	4.6
22	12.8	20.0	15.3	74.7	.6	0.0	.6	1.8
23	13.0	22.0	17.1	80.3	0.0	0.0	0.0	2.8
24	12.5	21.6	16.3	80.0	0.0	.3	.3	5.0
25	13.0	20.2	16.8	77.7	0.0	31.7	31.7	2.0
26	12.9	16.0	14.3	92.7	9.6	.4	10.0	0.0
27	13.0	21.4	16.7	77.3	0.0	1.3	1.3	6.9
28	13.2	18.5	15.9	78.3	.2	0.0	.2	.3
29								
30								
31								
TOTAL					51.6	185.7	237.3	86.6
PROMEDIO	13.6	20.9	16.7	79.3				

ESTACION: AGRONOMIA

DPTO: CALDAS

LATITUD : 05° 03'N

ANO : 1990

MPIO: MANIZALES

LONGITUD: 75° 29'W

ALTITUD : 2150 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	13.0	22.0	17.0	77.3	1.2	11.8	13.0	5.9
2	12.8	23.0	16.0	68.7	0.0	0.0	0.0	7.0
3	13.0	19.1	15.2	87.3	.4	0.0	.4	4.3
4	12.2	19.2	15.6	83.7	1.9	.4	2.3	2.6
5	13.6	21.3	16.7	74.3	.6	0.0	.6	2.7
6	12.8	23.0	17.5	69.7	13.5	.5	14.0	7.1
7	14.1	21.5	17.2	78.3	.4	0.0	.4	3.7
8	14.0	23.0	18.7	73.0	0.0	0.0	0.0	4.4
9	14.1	23.4	18.4	70.7	0.0	0.0	0.0	7.5
10	14.5	23.0	18.9	66.7	0.0	0.0	0.0	4.4
11	15.0	20.8	17.8	72.3	0.0	0.0	0.0	.4
12	13.5	24.5	19.7	65.0	0.0	0.0	0.0	8.1
13	16.0	24.0	19.8	71.0	0.0	0.0	0.0	3.1
14	15.4	22.2	18.2	78.3	0.0	0.0	0.0	.6
15	15.0	21.0	17.4	85.0	0.0	0.0	0.0	0.0
16	14.8	22.8	17.5	83.3	0.0	0.0	0.0	2.4
17	14.9	22.4	17.5	71.0	6.1	22.2	28.3	4.4
18	14.5	19.0	16.4	88.3	0.0	0.0	0.0	.1
19	13.5	23.0	17.8	78.7	0.0	1.6	1.6	5.6
20	14.8	21.4	18.0	76.7	0.0	0.0	0.0	3.2
21	14.9	17.8	16.0	90.0	7.5	0.0	7.5	0.0
22	12.8	23.5	18.4	66.0	0.0	0.0	0.0	8.3
23	15.0	18.6	15.8	92.3	8.0	1.3	9.3	.4
24	14.5	21.4	17.2	81.3	1.6	0.0	1.6	.8
25	14.8	18.6	15.5	87.3	27.3	2.4	29.7	.6
26	13.2	18.2	14.9	89.7	6.6	11.3	17.9	0.0
27	12.2	20.0	16.5	68.3	0.0	0.0	0.0	6.1
28	13.4	23.0	18.1	72.0	0.0	0.0	0.0	7.8
29	13.5	23.5	18.1	66.7	0.0	0.0	0.0	9.1
30	14.2	24.2	19.3	71.7	.4	7.4	7.8	8.6
31	13.8	23.1	17.0	79.0	9.7	0.0	9.7	0.0
TOTAL PROMEDIO	14.0	21.7	17.3	76.9	85.2	58.9	144.1	119.2

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.0	23.0	15.3	94.3	.6	.6	1.2	.1
2	11.0	20.2	16.0	77.3	3.2	.6	3.8	5.5
3	14.0	20.6	17.3	79.7	.4	6.5	6.9	2.3
4	14.2	20.3	16.3	86.3	.8	1.0	1.8	.9
5	14.3	21.5	17.3	81.7	0.0	0.0	0.0	2.7
6	14.0	20.0	16.4	74.7	1.1	0.0	1.1	1.7
7	13.8	22.8	18.5	67.0	0.0	0.0	0.0	8.4
8	14.4	23.0	18.3	68.0	0.0	0.0	0.0	6.7
9	14.2	23.2	18.5	65.0	0.0	0.0	0.0	9.8
10	15.7	23.0	19.0	66.0	0.0	0.0	0.0	3.6
11	14.8	23.5	19.6	75.0	0.0	.6	.6	3.7
12	14.9	24.0	19.3	71.7	0.0	0.0	0.0	5.0
13	15.4	22.2	18.5	77.3	0.0	.1	.1	3.6
14	15.6	20.7	17.3	83.0	2.6	1.1	3.7	.7
15	14.2	22.4	16.9	89.3	2.0	32.1	34.1	1.5
16	13.8	18.2	16.1	86.7	0.0	0.0	0.0	.2
17	13.6	22.2	17.4	71.0	6.8	0.0	6.8	4.5
18	13.8	21.2	17.5	72.0	1.1	.9	2.0	3.7
19	14.8	20.0	17.4	77.7	0.0	0.0	0.0	3.3
20	14.7	20.4	17.0	87.3	1.4	21.2	22.6	0.0
21	14.2	18.7	16.0	84.0	.5	0.0	.5	1.1
22	13.4	21.2	17.0	71.3	.5	15.0	15.5	4.6
23	14.0	21.0	16.6	84.3	0.0	0.0	0.0	2.5
24	14.2	19.6	15.9	84.3	2.4	0.0	2.4	.2
25	14.0	19.4	16.0	84.0	13.6	9.3	22.9	.2
26	13.5	21.6	17.1	77.0	0.0	1.1	1.1	4.0
27	14.0	19.2	15.8	87.7	1.3	18.6	19.9	1.6
28	13.0	19.0	15.7	88.3	2.3	7.9	10.2	.6
29	13.0	21.0	16.1	85.3	0.0	0.0	0.0	3.6
30	13.8	18.8	15.8	87.3	4.6	2.6	7.2	.1
31								
TOTAL PROMEDIO	14.1	21.1	17.0	79.5	45.2	119.2	164.4	86.4

ESTACION: AGRONOMIA

DPTO: CALDAS

LATITUD : 05° 03'N

AÑO : 1990

MPIO: MANIZALES

LONGITUD : 75° 29'W  
ALTITUD : 2150 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	13.9	21.4	16.8	78.0	0.0	0.0	0.0	4.2
2	12.6	22.0	16.8	80.7	1.0	20.7	21.7	4.1
3	13.8	21.2	15.8	78.0	3.1	.1	3.2	3.1
4	13.2	20.0	15.9	84.7	0.0	2.4	2.4	.4
5	14.1	18.9	15.8	90.7	0.0	0.0	0.0	.2
6	14.2	21.0	16.7	83.0	0.0	0.0	0.0	3.8
7	14.0	22.5	18.4	68.3	.6	1.2	1.8	5.9
8	15.0	21.3	17.4	82.3	.1	0.0	.1	1.0
9	14.9	22.8	17.6	76.7	0.0	0.0	0.0	3.5
10	15.0	22.2	18.0	80.0	0.0	.8	.8	3.1
11	14.4	21.8	16.9	79.7	10.2	.5	10.7	3.2
12	14.2	20.0	16.6	83.0	2.9	0.0	2.9	1.5
13	14.1	19.9	16.7	85.0	0.0	1.7	1.7	.6
14	13.8	19.0	15.7	83.7	.3	0.0	.3	.2
15	13.0	21.2	16.9	75.7	0.0	0.0	0.0	.4
16	13.5	23.2	18.9	70.3	0.0	0.0	0.0	7.2
17	14.8	22.0	17.7	81.3	.8	0.0	.8	3.7
18	14.7	21.0	17.1	76.3	0.0	0.0	0.0	2.5
19	15.0	20.2	16.9	76.0	0.0	0.0	0.0	1.1
20	14.8	22.0	17.9	71.7	3.4	0.0	3.4	4.4
21	14.5	20.5	17.4	83.3	0.0	0.0	0.0	1.3
22	15.4	21.2	17.9	73.3	0.0	0.0	0.0	1.4
23	15.0	20.6	17.1	74.3	2.4	0.0	2.4	1.1
24	14.5	20.2	17.3	81.3	0.0	1.4	1.4	1.8
25	14.8	18.8	16.0	87.7	1.9	0.0	1.9	.4
26	13.2	22.0	16.5	73.0	.3	0.0	.3	3.4
27	13.5	20.0	16.2	84.7	0.0	0.0	0.0	1.1
28	14.2	22.5	17.6	75.3	2.1	1.2	3.3	2.7
29	14.1	18.0	15.6	84.3	9.1	0.0	9.1	.2
30	12.6	21.0	17.2	79.0	0.0	0.0	0.0	4.0
31	13.8	20.5	17.3	73.3	1.2	0.0	1.2	4.2
TOTAL PROMEDIO	14.1	20.9	17.0	79.2	39.4	30.0	69.4	75.7

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.0	20.5	15.9	79.0	3.1	0.0	3.1	2.4
2	12.5	21.2	17.1	68.0	0.0	0.0	0.0	8.2
3	14.0	21.0	17.1	75.3	0.0	0.0	0.0	3.2
4	13.8	19.2	16.8	75.3	0.0	1.1	1.1	4.1
5	14.0	20.2	16.6	77.7	.1	0.0	.1	7.1
6	14.1	19.3	16.6	65.0	0.0	0.0	0.0	7.3
7	14.0	20.0	17.4	57.7	0.0	0.0	0.0	5.7
8	14.5	20.4	17.5	64.7	0.0	0.0	0.0	1.4
9	13.8	20.2	16.7	79.0	2.3	0.0	2.3	0.0
10	14.0	20.6	18.2	84.0	4.4	1.5	5.9	.2
11	13.0	20.8	17.1	79.0	.2	0.0	.2	0.0
12	14.0	23.0	18.1	76.3	17.5	0.0	17.5	3.4
13	15.2	22.8	19.3	64.0	.7	2.4	3.1	3.9
14	14.8	23.0	18.5	60.0	0.0	1.1	1.1	1.6
15	14.8	21.2	17.7	71.0	0.0	22.2	22.2	2.3
16	14.0	19.5	16.4	74.0	0.0	0.0	0.0	6.9
17	14.2	17.0	15.5	66.7	0.0	0.0	0.0	4.9
18	14.0	22.8	18.1	71.3	0.0	0.0	0.0	1.7
19	14.7	23.2	19.2	63.7	0.0	0.0	0.0	8.7
20	15.3	23.0	18.9	66.0	0.0	0.0	0.0	5.7
21	14.0	22.0	17.3	58.7	0.0	0.0	0.0	3.8
22	14.8	22.4	18.3	58.0	0.0	0.0	0.0	2.4
23	13.8	20.0	16.5	69.7	.2	0.0	.2	4.9
24	13.5	18.2	15.7	72.0	0.0	35.0	35.0	.6
25	12.5	22.0	17.7	67.0	0.0	0.0	0.0	5.5
26	13.9	21.8	17.5	69.3	0.0	0.0	0.0	2.3
27	15.0	19.4	17.1	75.3	6.1	0.0	6.1	0.0
28	14.0	20.8	16.8	67.3	0.0	0.0	0.0	3.9
29	14.8	22.0	18.5	56.7	0.0	0.0	0.0	4.6
30	15.0	22.5	18.1	67.0	1.5	0.0	1.5	5.1
31								
TOTAL PROMEDIO	14.1	21.0	17.4	69.3	36.1	63.3	99.4	111.8

ESTACION: AGRONOMIA

DPTO: CALDAS

LATITUD : 05° 03'N

ANO : 1990

MPIO: MANIZALES

LONGITUD: 75° 29'W

ALTITUD : 2150 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	13.5	20.2	17.0	64.7	0.0	5.1	5.1	2.6
2	14.0	22.8	18.4	61.7	.6	0.0	.6	4.0
3	14.4	22.0	18.5	63.3	0.0	0.0	0.0	4.2
4	14.8	20.2	17.0	73.3	.9	1.4	2.3	.5
5	14.1	18.0	16.3	86.7	2.0	0.0	2.0	.3
6	13.4	20.0	16.1	73.3	2.0	0.0	2.0	3.9
7	12.8	20.2	17.2	66.3	0.0	.5	.5	4.9
8	13.8	20.8	16.7	72.0	0.0	.1	.1	7.5
9	13.0	21.2	16.6	75.7	0.0	1.9	1.9	3.0
10	13.8	20.0	16.2	83.0	3.5	0.0	3.5	2.8
11	14.4	19.6	16.3	77.0	0.0	1.0	1.0	1.1
12	13.8	21.9	17.4	65.7	0.0	0.0	0.0	3.6
13	14.0	22.6	17.3	68.0	0.0	1.0	1.0	4.9
14	14.1	19.2	16.1	69.7	1.9	0.0	1.9	1.0
15	12.2	19.3	15.7	80.3	.9	0.0	.9	2.0
16	12.4	20.1	15.8	78.3	.8	0.0	.8	1.3
17	14.0	20.2	17.0	70.0	1.6	4.9	6.5	2.7
18	13.8	20.0	16.6	83.0	0.0	29.9	29.9	3.6
19	12.6	21.4	16.6	67.0	0.0	0.0	0.0	4.6
20	12.8	21.8	17.0	65.7	0.0	24.9	24.9	7.3
21	12.4	21.5	17.2	72.7	0.0	0.0	0.0	7.5
22	12.8	18.9	14.8	72.7	1.2	0.0	1.2	2.6
23	12.0	21.2	16.8	74.0	0.0	0.0	0.0	3.5
24	13.8	23.8	18.7	62.0	0.0	0.0	0.0	7.9
25	13.2	22.7	17.3	69.0	0.0	0.0	0.0	4.2
26	13.9	20.8	16.5	69.7	0.0	0.0	0.0	4.3
27	13.0	22.5	18.0	71.0	0.0	0.0	0.0	7.7
28	13.8	22.8	17.5	67.0	0.0	0.0	0.0	4.6
29	13.1	22.0	17.6	62.0	.1	2.1	2.2	3.3
30	13.6	21.0	16.8	69.7	0.0	0.0	0.0	6.0
31	13.0	21.8	17.5	57.7	0.0	0.0	0.0	5.4
TOTAL PROMEDIO	13.4	21.0	16.9	70.7	15.5	72.8	88.3	122.8

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	12.6	22.4	17.2	53.3	0.0	0.0	0.0	8.0
2	14.0	21.5	17.5	76.3	.4	2.1	2.5	3.3
3	13.8	20.0	16.7	71.0	0.0	0.0	0.0	2.1
4	13.5	21.0	16.9	62.3	0.0	0.0	0.0	1.0
5	13.4	22.0	17.1	64.0	0.0	0.0	0.0	3.7
6	13.5	24.6	19.3	51.7	0.0	.4	.4	7.5
7	13.8	24.8	18.9	61.7	0.0	0.0	0.0	6.8
8	14.8	23.4	18.8	64.7	0.0	0.0	0.0	4.6
9	14.7	22.0	17.7	66.3	0.0	0.0	0.0	3.1
10	14.9	19.2	16.4	81.7	0.0	0.0	0.0	.6
11	13.5	22.0	17.9	58.3	0.0	0.0	0.0	4.5
12	13.8	24.0	17.8	64.0	0.0	0.0	0.0	7.2
13	13.7	21.6	17.4	70.3	0.0	0.0	0.0	1.8
14	14.6	20.8	16.3	80.3	.1	.3	.4	.7
15	13.6	20.2	16.9	75.0	0.0	0.0	0.0	1.1
16	14.0	23.5	18.0	66.3	0.0	0.0	0.0	4.8
17	13.8	24.8	19.8	57.7	0.0	0.0	0.0	10.0
18	15.6	21.2	18.3	68.3	0.0	0.0	0.0	.1
19	14.0	23.5	18.7	56.7	0.0	0.0	0.0	4.8
20	14.3	22.4	18.2	61.0	0.0	0.0	0.0	2.2
21	14.8	22.2	18.1	55.0	0.0	0.0	0.0	3.7
22	13.5	23.4	17.7	50.0	0.0	0.0	0.0	2.2
23	14.0	22.8	17.6	53.7	0.0	0.0	0.0	6.4
24	13.8	21.4	17.5	63.0	0.0	0.0	0.0	4.8
25	13.0	24.2	16.9	66.7	1.8	0.0	1.8	4.2
26	13.2	21.6	16.7	67.7	.3	0.0	.3	4.7
27	13.8	19.8	16.6	73.7	2.4	0.0	2.4	5.2
28	14.3	18.0	15.5	86.7	1.2	0.0	1.2	3.6
29	12.8	22.0	16.4	76.7	2.3	0.0	2.3	.1
30	13.9	22.2	17.4	70.3	1.2	5.5	6.7	3.8
31	12.5	22.1	16.7	67.0	0.0	0.0	0.0	5.3
TOTAL PROMEDIO	13.9	22.1	17.5	65.8	9.7	8.3	18.0	6.4

ESTACION: AGRONOMIA

DPTO: CALDAS

LATITUD : 05° 03'N

AÑO : 1990

MPIO: MANIZALES

LONGITUD: 75° 29'W

ALTITUD : 2150 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	13.0	22.2	17.2	76.7	2.3	6.3	8.6	3.5
2	12.9	19.7	16.8	69.3	.8	0.0	.8	
3	13.2	21.4	17.1	77.3	.6	0.0	.6	1.5
4	14.0	22.8	17.7	68.3	0.0	0.0	0.0	7.8
5	13.9	23.6	18.1	60.0	0.0	0.0	0.0	3.7
6	14.5	22.4	18.1	70.7	0.0	0.0	0.0	3.8
7	14.0	21.8	17.6	68.0	0.0	0.0	0.0	3.2
8	13.6	20.2	16.9	67.0	.3	0.0	.3	.1
9	13.7	20.8	16.6	75.3	.5	0.0	.5	2.8
10	14.1	23.0	17.3	75.7	0.0	1.1	1.1	2.1
11	13.0	21.0	17.3	79.0	0.0	.7	.7	1.9
12	12.0	21.8	16.8	72.7	.4	1.2	1.6	3.9
13	13.5	22.0	17.0	70.7	0.0	.2	.2	4.3
14	14.1	18.2	15.3	85.7	1.1	0.0	1.1	.1
15	12.8	21.2	16.3	64.7	.1	0.0	.1	1.6
16	12.6	21.4	16.6	62.7	.2	0.0	.2	4.7
17	12.9	24.0	17.8	58.3	0.0	0.0	0.0	9.0
18	13.0	24.8	18.7	57.0	0.0	0.0	0.0	7.9
19	14.1	22.2	17.4	70.0	0.0	21.9	21.9	1.3
20	13.4	20.4	16.2	77.3	.5	0.0	.5	.8
21	13.0	20.1	15.7	76.0	2.9	12.0	14.9	1.5
22	12.8	18.8	15.8	81.3	0.0	1.2	1.2	.1
23	12.9	19.2	15.4	76.3	10.2	0.0	10.2	3.2
24	12.2	21.5	16.0	80.3	2.4	0.0	2.4	2.9
25	14.2	20.3	16.0	79.7	4.7	0.0	4.7	2.2
26	12.5	21.6	15.9	70.3	3.9	.1	4.0	3.7
27	13.4	21.2	17.0	78.3	0.0	0.0	0.0	4.1
28	14.5	20.5	17.2	72.7	0.0	0.0	0.0	.4
29	14.1	21.5	17.5	74.0	0.0	0.0	0.0	2.5
30	13.9	22.4	16.8	76.7	0.0	4.7	4.7	2.8
31								
TOTAL PROMEDIO	13.4	21.4	16.9	72.4	30.9	49.4	80.3	

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	12.0	20.2	16.4	80.0	2.7	.7	3.4	2.5
2	13.8	17.4	15.6	85.7	.1	.1	.2	1.1
3	13.6	20.2	17.0	73.3	0.0	0.0	0.0	1.5
4	13.8	22.1	16.6	72.0	50.0	20.0	70.0	4.0
5	13.6	16.0	13.6	84.7	4.0	0.0	4.0	.2
6	11.8	20.4	15.8	65.0	0.0	0.0	0.0	5.5
7	13.8	19.2	16.1	83.3	1.7	13.0	14.7	.1
8	12.8	19.5	16.6	76.7	0.0	0.0	0.0	.4
9	13.8	19.8	16.4	80.3	.5	6.5	7.0	2.9
10	14.0	19.4	15.2	91.3	19.4	.9	20.3	.9
11	13.2	19.8	16.0	77.0	8.5	47.5	56.0	.6
12	13.0	18.8	15.9	88.3	1.3	4.2	5.5	.5
13	12.8	20.1	15.8	83.3	3.0	0.0	3.0	2.6
14	13.0	20.6	16.6	81.3	8.0	5.4	13.4	4.1
15	13.4	20.2	16.5	80.3	4.4	0.0	4.4	1.6
16	13.7	22.0	17.9	71.3	0.0	12.1	12.1	5.8
17	13.8	19.8	16.1	77.7	0.0	0.0	0.0	1.5
18	12.9	21.8	16.5	68.7	0.0	0.0	0.0	2.6
19	13.2	20.2	16.5	81.0	.5	-3.7	4.2	2.9
20	13.1	19.3	15.5	86.3	4.7	3.1	7.8	1.7
21	13.0	19.2	15.8	77.3	0.0	1.8	1.8	1.3
22	13.5	16.6	14.6	88.0	2.7	0.0	2.7	.2
23	13.0	20.0	16.5	68.0	0.0	0.0	0.0	1.3
24	14.8	18.2	16.3	85.3	2.1	.1	2.2	0.0
25	13.1	21.9	16.4	66.7	0.0	.4	.4	5.9
26	13.2	22.1	16.8	72.7	0.0	0.0	0.0	6.8
27	13.0	21.2	15.1	69.3	0.0	9.6	9.6	3.4
28	13.8	20.5	15.8	81.3	14.6	13.1	27.7	3.5
29	13.2	20.0	16.4	79.0	8.5	0.0	8.5	1.9
30	13.7	20.8	16.5	78.3	0.0	29.3	29.3	2.8
31	13.5	21.6	16.4	69.7	3.7	0.0	3.7	5.2
TOTAL PROMEDIO	13.3	20.0	16.1	78.2	140.4	171.5	311.9	74.3

ESTACION: AGRONOMIA

DPTO: CALDAS

LATITUD : 05° 03'N

ANO : 1990

MPIO: MANIZALES

LONGITUD: 75° 29'W

ALTITUD : 2150 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	13.4	21.0	17.1	76.7	.7	0.0	.7	7.7
2	14.0	19.0	15.6	80.3	2.5	0.0	2.5	.3
3	13.8	18.4	16.0	89.7	5.5	6.1	11.6	.5
4	13.0	17.2	15.2	88.0	9.9	0.0	9.9	0.0
5	12.8	20.0	15.7	71.7	0.0	0.0	0.0	2.2
6	13.0	21.5	17.2	70.7	0.0	0.0	0.0	6.3
7	13.8	22.1	17.2	69.7	0.0	0.0	0.0	3.8
8	13.4	22.3	18.2	70.3	0.0	0.0	0.0	5.1
9	14.0	20.0	16.7	80.3	2.0	0.0	2.0	3.1
10	13.9	19.9	16.2	80.3	5.1	0.0	5.1	1.1
11	12.6	23.4	16.0	82.7	0.0	0.0	0.0	3.3
12	12.4	23.8	18.0	72.0	0.0	0.0	0.0	5.9
13	13.8	22.1	17.2	74.0	.7	0.0	.7	6.1
14	14.9	22.4	17.8	71.7	0.0	0.0	0.0	5.6
15	14.1	21.7	17.2	76.0	0.0	0.0	0.0	3.2
16	13.8	21.4	18.1	73.0	0.0	41.7	41.7	4.1
17	12.9	19.2	16.2	89.0	0.0	22.0	22.0	2.5
18	14.0	16.2	14.8	92.0	6.9	.2	7.1	0.0
19	11.8	22.0	17.3	72.0	0.0	12.3	12.3	8.8
20	14.9	20.2	17.2	77.0	1.1	16.1	17.2	.7
21	14.0	19.0	14.0	92.0	36.7	3.2	39.9	2.0
22	11.8	19.2	15.3	75.0	0.0	0.0	0.0	5.3
23	13.0	21.1	16.5	70.0	0.0	24.4	24.4	5.6
24	12.8	19.3	16.1	82.3	.1	0.0	.1	4.2
25	11.6	21.2	17.0	77.0	0.0	4.0	4.0	8.8
26	13.5	21.0	16.7	73.3	2.0	0.0	2.0	3.6
27	13.0	20.2	16.6	82.0	0.0	0.0	0.0	1.7
28	13.9	19.3	16.2	80.0	2.5	0.0	2.5	1.3
29	12.6	21.8	16.8	79.3	0.0	.1	.1	5.4
30	13.4	19.8	16.7	78.7	4.3	0.0	4.3	4.3
31								
TOTAL PROMEDIO	13.3	20.5	16.5	78.2	80.0	130.1	210.1	112.5

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	13.1	21.4	16.8	78.0	0.0	0.0	0.0	4.1
2	13.8	19.4	15.3	85.7	10.2	.8	11.0	1.9
3	13.0	18.2	15.1	81.0	5.1	0.0	5.1	.8
4	13.2	19.2	16.3	86.0	1.2	21.7	22.9	.7
5	13.6	17.2	14.8	86.0	16.0	9.4	25.4	0.0
6	12.7	19.4	15.5	82.0	1.4	0.0	1.4	4.4
7	12.8	21.2	16.0	72.3	4.7	.3	5.0	4.6
8	12.0	18.4	14.9	85.7	3.9	0.0	3.9	1.0
9	11.0	20.4	16.2	73.7	0.0	13.0	13.0	9.8
10	11.8	22.0	16.8	71.0	0.0	0.0	0.0	9.2
11	13.8	21.9	16.9	76.0	.4	0.0	.4	6.0
12	12.8	21.5	16.2	73.7	0.0	0.0	0.0	5.2
13	12.5	21.6	16.2	67.0	0.0	0.0	0.0	5.0
14	13.2	21.2	16.9	78.3	0.0	0.0	0.0	5.7
15	12.9	23.9	17.1	61.3	0.0	0.0	0.0	9.6
16	13.4	22.1	17.3	70.3	0.0	0.0	0.0	7.6
17	13.1	22.7	17.2	57.0	0.0	0.0	0.0	7.5
18	13.6	23.9	17.3	65.7	0.0	0.0	0.0	7.4
19	13.8	21.0	17.0	74.3	0.0	0.0	0.0	1.4
20	13.1	23.0	18.1	66.0	0.0	0.0	0.0	8.8
21	13.2	21.4	17.1	70.3	0.0	0.0	0.0	4.0
22	12.8	20.2	15.8	77.0	0.0	0.0	0.0	3.8
23	11.8	21.8	16.5	73.7	0.0	0.0	0.0	6.2
24	14.0	18.6	16.0	85.3	7.5	10.7	18.2	0.0
25	13.8	18.8	15.8	80.7	0.0	0.0	0.0	1.3
26	13.7	21.0	16.8	70.0	4.3	18.7	23.0	5.5
27	13.4	18.2	15.7	82.7	0.0	0.0	0.0	.3
28	13.9	17.2	15.5	85.0	9.1	0.0	9.1	.3
29	12.6	20.0	15.5	75.3	.9	0.0	.9	1.9
30	12.8	19.8	16.3	73.7	0.0	.3	.3	1.7
31	12.6	21.0	15.9	76.7	0.0	13.9	13.9	7.1
TOTAL PROMEDIO	13.0	20.6	16.3	75.5	64.7	88.8	153.5	132.8

ESTACION: AGRONOMIA  
 AÑO : 1990

DPTO: CALDAS  
 MPIO: MANIZALES

LATITUD : 05° 03'N  
 LONGITUD: 75° 29'W  
 ALTITUD : 2150 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	13.4	21.5	17.0	11.8	25.5	75.7	78.7	18	128.0
FEBRERO	13.6	20.9	16.7	12.2	23.8	79.3	237.3	19	86.6
MARZO	14.0	21.7	17.3	12.2	24.5	76.9	144.1	15	119.2
ABRIL	14.1	21.1	17.0	11.0	24.0	79.5	164.4	20	86.4
MAYO	14.1	20.9	17.0	12.6	23.2	79.2	69.4	19	75.7
JUNIO	14.1	21.0	17.4	12.5	23.2	69.3	99.4	14	111.8
JULIO	13.4	21.0	16.9	12.0	23.8	70.7	88.3	19	122.8
AGOSTO	13.9	22.1	17.5	12.5	24.8	65.8	18.0	9	126.1
SEPTIEMBRE	13.4	21.4	16.9	12.0	24.8	72.4	80.3	21	
OCTUBRE	13.3	20.0	16.1	11.8	22.1	78.2	311.9	24	74.3
NOVIEMBRE	13.3	20.5	16.5	11.6	23.8	78.2	210.1	20	112.5
DICIEMBRE	<u>13.0</u>	<u>20.6</u>	<u>16.3</u>	<u>11.0</u>	<u>23.9</u>	<u>75.5</u>	<u>153.5</u>	<u>15</u>	<u>132.8</u>
PROMEDIO	13.6	21.1	16.9			75.0			
ABSOLUTA				11.0	25.5				
TOTAL							1655.4	213	

ESTACION: SANTAGUEDA

DPTO: CALDAS

LATITUD : 05° 05'N

AÑO : 1990

MPIO: PALESTINA

LONGITUD: 75° 40'W

ALTITUD : 1010 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.6	29.8	22.6	71.7	0.0	.3	.3	5.0
2	18.4	29.5	23.1	72.7	0.0	.6	.6	8.6
3	18.7	28.3	23.1	72.7	0.0	0.0	0.0	4.4
4	16.5	30.0	23.1	70.7	0.0	0.0	0.0	6.4
5	17.5	27.8	22.2	76.0	0.0	0.0	0.0	1.3
6	18.4	30.2	22.7	74.3	0.0	0.0	0.0	6.0
7	18.0	30.5	22.2	73.3	.5	0.0	.5	5.3
8	18.8	24.8	21.4	85.7	1.7	0.0	1.7	.1
9	18.7	29.2	23.1	69.7	0.0	3.4	3.4	7.3
10	18.8	29.6	23.8	69.7	0.0	2.4	2.4	5.0
11	19.2	30.1	23.9	69.7	0.0	14.6	14.6	7.2
12	18.6	25.6	20.2	81.3	5.3	0.0	5.3	.1
13	16.5	28.0	22.1	73.7	0.0	.5	.5	4.9
14	17.0	28.4	22.4	72.0	0.0	0.0	0.0	5.1
15	18.8	30.8	23.9	67.3	0.0	0.0	0.0	6.5
16	19.5	31.0	24.8	70.7	0.0	9.4	9.4	5.8
17	19.6	32.5	24.4	70.0	0.0	9.2	9.2	7.2
18	19.2	30.8	24.8	71.3	0.0	0.0	0.0	6.7
19	20.4	30.9	23.4	75.7	6.0	0.0	6.0	4.0
20	19.8	31.2	24.6	69.7	0.0	0.0	0.0	8.5
21	17.5	31.8	23.9	70.7	0.0	0.0	0.0	5.9
22	18.8	26.5	20.6	86.7	.4	0.0	.4	1.9
23	16.2	31.3	23.5	67.7	0.0	0.0	0.0	7.6
24	17.0	31.0	22.5	72.3	0.0	0.0	0.0	4.6
25	16.3	33.7	24.7	66.7	0.0	12.6	12.6	8.5
26	18.5	25.2	22.0	86.3	.6	.5	1.1	0.0
27	18.7	31.8	24.4	69.0	0.0	0.0	0.0	7.1
28	16.5	33.0	24.2	67.7	0.0	0.0	0.0	9.0
29	18.8	33.5	24.8	69.7	0.0	0.0	0.0	8.4
30	19.7	31.2	25.5	68.7	0.0	0.0	0.0	3.2
31	19.9	30.2	24.8	70.3	0.0	0.0	0.0	1.5
TOTAL PROMEDIO	18.3	29.9	23.3	72.7	14.5	53.5	68.0	163.1

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.8	32.8	24.3	69.3	0.0	0.0	0.0	5.9
2	19.1	30.2	23.9	72.7	.1	6.3	6.4	1.3
3	20.2	30.0	25.3	69.3	0.0	.1	.1	3.9
4	21.8	31.0	25.4	64.7	0.0	3.5	3.5	4.4
5	20.0	29.4	23.6	75.7	1.8	4.8	6.6	2.4
6	18.8	29.2	23.5	70.3	0.0	0.0	0.0	4.8
7	19.0	31.8	25.0	69.0	0.0	52.5	52.5	5.3
8	19.7	30.5	24.4	71.3	0.0	31.0	31.0	4.0
9	18.5	27.6	22.7	75.0	0.0	4.3	4.3	3.3
10	19.8	29.9	24.5	73.7	.9	0.0	.9	5.7
11	19.9	30.2	23.7	74.3	0.0	19.0	19.0	4.2
12	19.4	26.2	21.8	89.7	.6	0.0	.6	.2
13	18.5	28.0	23.1	76.7	0.0	0.0	0.0	.9
14	18.4	30.5	23.8	70.0	0.0	0.0	0.0	7.4
15	19.9	31.4	24.3	72.3	0.0	16.0	16.0	6.6
16	20.0	31.2	23.8	71.0	0.0	.5	.5	7.6
17	17.0	31.4	23.5	65.3	0.0	1.5	1.5	9.7
18	18.8	27.0	21.9	69.3	0.0	1.9	1.9	2.8
19	17.8	27.8	22.2	70.0	0.0	1.3	1.3	2.5
20	18.2	29.5	22.3	71.3	0.0	1.6	1.6	6.5
21	16.8	31.2	22.9	66.0	0.0	0.0	0.0	8.6
22	16.0	30.0	22.9	64.3	0.0	.5	.5	4.1
23	18.6	29.0	23.1	71.0	0.0	0.0	0.0	1.9
24	17.0	28.2	23.0	70.3	0.0	2.4	2.4	7.0
25	18.4	29.1	22.5	74.0	0.0	13.0	13.0	4.7
26	18.0	23.5	20.7	84.7	3.9	.2	4.1	.1
27	17.5	29.3	22.3	71.7	0.0	0.0	0.0	6.5
28	18.5	27.5	22.3	71.7	0.0	.3	.3	2.2
29								
30								
31								
TOTAL PROMEDIO	18.7	29.4	23.3	72.0	7.3	160.7	168.0	124.5



ESTACION: SANTAGUEDA

DPTO: CALDAS

LATITUD : 05° 05'N

AÑO : 1990

MPIO: PALESTINA

LONGITUD: 75° 40'W  
ALTITUD : 1010 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	28.0	22.4	69.0	0.0	0.0	0.0	4.8
2	17.8	30.5	22.8	65.3	0.0	.1	.1	8.1
3	18.2	25.8	21.4	71.7	.8	0.0	.8	.3
4	16.0	27.5	21.9	74.3	0.0	0.0	0.0	1.5
5	18.0	28.8	22.8	63.3	0.0	0.0	0.0	3.4
6	15.0	31.5	23.7	67.7	0.0	22.9	22.9	8.4
7	19.0	29.5	23.9	73.0	0.0	4.2	4.2	5.2
8	19.6	30.0	24.7	70.7	0.0	0.0	0.0	3.9
9	17.0	32.0	24.7	69.7	0.0	0.0	0.0	7.7
10	17.5	30.2	23.7	69.3	0.0	0.0	0.0	4.8
11	19.0	29.0	24.0	72.3	0.0	0.0	0.0	.7
12	17.0	31.7	25.7	66.0	0.0	0.0	0.0	7.8
13	21.8	32.9	26.4	65.7	0.0	0.0	0.0	4.5
14	20.6	31.2	25.5	64.7	0.0	0.0	0.0	2.2
15	20.0	27.0	22.6	83.3	14.8	0.0	14.8	0.0
16	19.0	27.5	22.3	81.0	1.4	0.0	1.4	2.0
17	18.2	32.0	23.7	72.0	.1	13.8	13.9	6.1
18	18.5	25.5	21.6	84.0	.2	0.0	.2	.5
19	18.8	30.0	24.3	69.3	0.0	12.5	12.5	4.4
20	18.5	30.5	23.1	74.0	.7	.1	.8	6.8
21	19.3	23.0	20.9	89.0	1.1	0.0	1.1	0.0
22	17.8	31.5	24.2	69.0	0.0	8.6	8.6	9.0
23	18.9	23.5	20.9	91.7	11.1	.5	11.6	.2
24	18.6	28.0	22.4	79.3	.3	0.0	.3	2.6
25	18.7	22.0	19.4	93.7	68.5	0.0	68.5	1.4
26	17.0	22.4	19.2	90.0	2.3	7.8	10.1	0.0
27	15.8	28.5	20.8	76.0	0.0	0.0	0.0	5.8
28	17.5	30.8	23.7	63.7	0.0	0.0	0.0	9.2
29	18.0	32.1	24.7	69.0	0.0	0.0	0.0	10.0
30	19.5	31.8	25.2	63.7	0.0	0.0	0.0	
31	18.6	30.8	22.7	74.7	0.0	20.8	20.8	7.8
TOTAL PROMEDIO	18.3	28.9	23.1	73.7	101.3	91.3	192.6	

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.5	25.8	21.8	77.3	.4	0.0	.4	.9
2	16.5	30.5	23.8	69.0	0.0	0.0	0.0	8.8
3	19.1	30.0	23.3	72.3	0.0	7.5	7.5	5.7
4	19.0	29.0	22.1	82.7	13.5	34.1	47.6	3.1
5	18.8	30.0	24.3	68.3	0.0	20.7	20.7	6.6
6	19.0	27.5	22.4	77.3	0.0	0.0	0.0	2.6
7	16.5	31.0	23.6	70.3	0.0	0.0	0.0	9.8
8	18.0	30.5	24.1	68.7	0.0	0.0	0.0	7.0
9	17.0	31.2	23.4	71.0	0.0	0.0	0.0	7.6
10	17.2	31.7	24.1	69.3	0.0	0.0	0.0	6.3
11	19.8	32.4	25.8	66.3	0.0	36.5	36.5	
12	19.2	31.0	24.8	71.0	1.2	5.5	6.7	5.2
13	19.7	31.1	24.7	75.0	0.0	4.2	4.2	7.1
14	19.0	28.5	23.2	78.3	1.7	.5	2.2	1.8
15	19.0	29.4	23.3	72.7	0.0	12.8	12.8	2.6
16	17.6	26.5	22.0	71.0	0.0	0.0	0.0	.5
17	17.0	30.0	22.7	72.3	0.0	1.1	1.1	5.2
18	17.6	31.0	23.1	72.0	0.0	0.0	0.0	4.1
19	18.7	29.5	24.5	70.0	0.0	10.7	10.7	4.4
20	19.5	28.0	21.9	79.3	0.0	31.5	31.5	3.0
21	18.6	24.5	21.3	81.0	0.0	0.0	0.0	.2
22	17.0	29.7	21.8	77.0	39.0	16.0	55.0	5.9
23	18.0	27.2	21.9	80.0	0.0	0.0	0.0	2.9
24	18.2	28.0	22.6	74.7	0.0	0.0	0.0	1.2
25	19.8	28.2	21.5	79.3	5.9	3.1	9.0	1.0
26	18.8	29.2	23.5	70.3	0.0	14.8	14.8	4.5
27	17.4	27.8	22.0	78.0	0.0	36.0	36.0	0.0
28	17.8	25.0	21.2	83.0	1.0	11.1	12.1	1.1
29	18.4	29.1	23.2	70.3	0.0	.9	.9	4.6
30	18.8	23.0	20.6	86.0	4.6	0.0	4.6	0.0
31								
TOTAL PROMEDIO	18.3	28.9	22.9	74.5	67.3	247.0	314.3	

ESTACION: SANTAGUEDA

DPTO: CALDAS

LATITUD : 05° 05'N

AÑO : 1990

MPIO: PALESTINA

LONGITUD: 75° 40'W  
ALTITUD : 1010 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.5	28.6	23.5	70.3	0.0	1.6	1.6	4.8
2	17.8	28.0	22.1	77.0	1.1	0.0	1.1	4.5
3	18.4	28.8	21.9	75.7	6.1	0.0	6.1	5.1
4	17.2	28.2	22.2	76.0	0.0	1.1	1.1	3.8
5	18.4	28.5	22.7	77.3	.6	2.0	2.6	3.5
6	18.9	29.3	23.4	73.0	0.0	0.0	0.0	5.2
7	19.0	31.0	23.5	74.3	0.0	.6	.6	6.1
8	20.0	28.8	23.4	80.7	0.0	25.8	25.8	1.6
9	19.4	30.1	24.1	73.0	.3	.7	1.0	6.7
10	19.5	30.5	23.7	72.0	0.0	22.3	22.3	7.8
11	18.6	30.0	24.4	64.3	0.0	13.5	13.5	7.1
12	18.5	28.0	22.7	78.0	0.0	0.0	0.0	1.6
13	19.0	27.9	23.0	80.0	0.0	12.5	12.5	2.3
14	18.4	28.8	22.8	79.3	0.0	0.0	0.0	1.8
15	18.5	28.1	22.5	79.0	0.0	0.0	0.0	2.8
16	17.5	31.5	25.7	63.7	0.0	12.9	12.9	7.4
17	20.0	30.0	24.1	73.0	2.5	26.4	28.9	5.1
18	19.0	29.9	24.8	74.7	0.0	2.3	2.3	6.6
19	20.0	27.4	23.7	81.0	.3	0.0	.3	1.1
20	19.6	31.0	24.9	68.7	0.0	0.0	0.0	6.9
21	20.0	29.8	24.3	72.7	0.0	27.2	27.2	.9
22	19.0	27.2	23.1	84.7	.1	2.7	2.8	3.0
23	19.8	29.4	24.0	74.3	0.0	38.0	38.0	3.9
24	18.5	28.5	23.1	75.0	0.0	31.0	31.0	4.9
25	19.2	27.0	23.0	82.7	0.0	0.0	0.0	.7
26	18.5	30.0	24.0	72.3	0.0	2.7	2.7	6.7
27	18.8	27.5	23.3	78.3	0.0	12.9	12.9	.8
28	18.5	29.4	23.5	75.3	.3	3.3	3.6	6.0
29	18.6	25.5	21.8	82.7	8.2	0.0	8.2	2.0
30	16.0	28.6	22.4	78.0	0.0	0.0	0.0	5.4
31	18.6	30.0	23.9	72.7	0.0	0.0	0.0	6.6
TOTAL PROMEDIO	18.8	28.9	23.4	75.5	19.5	239.5	259.0	132.7

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	19.0	28.6	21.9	78.3	8.7	0.0	8.7	3.5
2	17.7	29.4	22.8	74.7	0.0	0.0	0.0	7.2
3	18.2	29.5	23.5	71.0	.1	.4	.5	4.1
4	18.8	29.6	22.8	75.0	.3	.2	.5	5.2
5	19.0	31.3	24.4	69.0	0.0	0.0	0.0	7.7
6	18.0	31.2	25.1	67.7	0.0	0.0	0.0	6.1
7	17.8	30.0	23.1	72.0	0.0	0.0	0.0	3.3
8	16.0	28.0	22.9	72.0	0.0	0.0	0.0	.3
9	18.4	27.0	22.6	79.3	.1	1.8	1.9	0.0
10	19.2	26.0	22.2	82.7	.1	11.6	11.7	.4
11	18.8	25.2	21.8	85.0	.4	0.0	.4	0.0
12	19.0	27.4	21.9	82.3	.7	0.0	.7	2.9
13	16.2	27.3	21.5	79.0	.3	2.1	2.4	3.3
14	19.0	28.0	23.1	73.7	0.0	0.0	0.0	4.2
15	18.5	29.0	23.1	74.7	0.0	17.1	17.1	3.8
16	18.1	27.0	21.3	80.7	.8	0.0	.8	4.7
17	16.4	28.6	23.1	74.3	0.0	0.0	0.0	7.1
18	16.0	31.2	23.3	71.0	0.0	0.0	0.0	7.8
19	17.6	31.5	24.3	72.7	0.0	0.0	0.0	7.1
20	18.0	31.8	24.8	69.3	0.0	0.0	0.0	6.3
21	17.0	33.0	23.4	67.0	0.0	0.0	0.0	8.3
22	17.2	28.5	23.5	68.7	0.0	0.0	0.0	3.8
23	17.5	29.0	23.7	71.0	0.0	0.0	0.0	1.7
24	19.0	28.0	21.5	74.7	.6	.2	.8	1.4
25	16.8	30.8	23.3	68.7	0.0	0.0	0.0	2.8
26	17.4	29.5	23.5	69.3	0.0	0.0	0.0	3.5
27	19.0	26.2	21.9	83.3	0.0	0.0	0.0	0.0
28	16.4	31.0	22.9	70.7	0.0	0.0	0.0	2.6
29	17.0	32.2	23.8	68.7	0.0	0.0	0.0	3.3
30	17.5	31.4	24.0	70.0	0.0	5.1	5.1	1.9
31								
TOTAL PROMEDIO	17.8	29.2	23.0	73.9	12.1	38.5	50.6	114.3

ESTACION: SANTAGUEDA

DPTO: CALDAS

LATITUD : 05° 05'N

AÑO : 1990

MPIO: PALESTINA

LONGITUD: 75° 40'W

ALTITUD : 1010 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.2	30.0	23.3	70.0	0.0	46.7	46.7	2.1
2	17.0	28.0	21.7	82.0	.3	.3	.6	2.1
3	17.5	30.0	24.4	67.3	0.0	9.1	9.1	3.5
4	18.8	27.8	23.0	80.0	.5	22.5	23.0	1.8
5	18.6	26.4	22.6	75.7	.1	.3	.4	2.4
6	16.7	28.2	23.1	75.0	0.0	0.0	0.0	5.1
7	17.2	30.0	24.0	64.0	0.0	.5	.5	8.1
8	18.2	29.9	23.7	67.0	0.0	31.0	31.0	6.9
9	17.8	29.2	22.7	71.3	0.0	47.9	47.9	7.9
10	18.0	27.8	22.0	77.3	1.6	0.0	1.6	4.2
11	18.1	29.5	23.2	75.0	0.0	.3	.3	5.0
12	16.8	28.8	22.7	76.0	0.0	2.2	2.2	4.2
13	18.0	30.0	23.1	72.3	0.0	2.1	2.1	5.4
14	18.1	28.0	22.7	75.0	0.0	3.9	3.9	4.0
15	18.2	26.1	22.1	81.0	.5	0.0	.5	2.8
16	17.8	27.8	21.9	80.0	.9	11.4	12.3	3.0
17	18.0	28.5	23.0	70.3	0.0	8.5	8.5	5.8
18	18.5	28.4	22.8	73.0	0.0	8.6	8.6	7.0
19	17.2	28.8	21.9	72.0	0.0	0.0	0.0	6.9
20	14.7	30.1	22.3	70.7	0.0	17.6	17.6	9.2
21	17.0	28.4	22.9	74.0	0.0	0.0	0.0	8.0
22	15.0	26.2	20.2	82.3	.3	0.0	.3	5.1
23	15.1	28.5	22.2	73.0	.6	1.4	2.0	6.2
24	18.0	30.8	23.8	70.0	0.0	0.0	0.0	8.1
25	17.0	30.7	23.5	68.7	0.0	0.0	0.0	7.2
26	19.3	29.5	23.5	71.3	0.0	.9	.9	4.3
27	16.5	29.8	23.8	69.0	0.0	0.0	0.0	7.7
28	17.0	29.9	23.9	70.3	0.0	0.0	0.0	7.0
29	15.9	31.0	23.3	71.0	0.0	.4	.4	7.9
30	17.5	28.8	23.0	69.7	0.0	.1	.1	7.2
31	15.0	31.2	22.2	67.7	0.0	0.0	0.0	8.5
TOTAL PROMEDIO	17.2	29.0	22.8	73.0	4.8	213.7	218.5	174.6

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	13.2	32.0	22.4	66.3	0.0	0.0	0.0	10.0
2	17.5	29.5	24.2	69.7	0.0	22.0	22.0	4.0
3	17.8	28.0	23.4	73.0	0.0	0.0	0.0	4.5
4	18.0	30.0	23.8	71.7	0.0	0.0	0.0	5.7
5	16.2	29.4	22.8	71.7	0.0	0.0	0.0	3.4
6	14.0	32.5	23.2	67.0	0.0	14.9	14.9	8.4
7	16.8	31.2	23.7	69.3	0.0	.1	.1	7.1
8	18.5	31.0	23.6	72.0	0.0	0.0	0.0	5.1
9	18.4	30.5	23.9	69.7	0.0	0.0	0.0	5.2
10	17.2	27.2	23.0	81.0	0.0	0.0	0.0	1.0
11	17.5	32.0	24.5	65.7	0.0	0.0	0.0	7.6
12	15.8	30.8	23.8	68.0	0.0	0.0	0.0	6.3
13	17.0	30.5	23.6	62.7	0.0	0.0	0.0	3.1
14	17.8	29.5	23.4	68.3	.1	0.0	.1	4.5
15	18.0	27.0	22.1	72.7	0.0	3.4	3.4	.9
16	18.6	30.8	24.0	68.7	0.0	0.0	0.0	6.3
17	17.2	33.0	24.3	67.0	0.0	.7	.7	9.5
18	19.0	29.4	24.1	69.0	0.0	0.0	0.0	.2
19	18.5	33.1	25.5	62.0	0.0	0.0	0.0	9.0
20	17.5	29.0	22.8	70.3	0.0	0.0	0.0	1.7
21	18.5	31.5	23.5	62.7	0.0	0.0	0.0	2.7
22	15.3	32.5	24.2	59.0	0.0	0.0	0.0	6.0
23	17.0	31.2	22.8	60.7	0.0	0.0	0.0	4.9
24	16.0	30.8	22.9	67.0	0.0	0.0	0.0	4.4
25	16.4	32.8	24.4	58.0	0.0	0.0	0.0	8.2
26	16.5	31.2	23.7	64.7	0.0	7.1	7.1	5.4
27	17.8	30.5	23.4	68.3	0.0	0.0	0.0	5.7
28	18.8	24.6	21.0	81.7	7.7	0.0	7.7	.8
29	17.0	28.5	21.8	80.3	.4	0.0	.4	3.6
30	18.7	31.5	22.5	76.3	2.9	4.7	7.6	4.4
31	16.7	31.0	22.9	68.0	0.0	0.0	0.0	7.5
TOTAL PROMEDIO	17.2	30.4	23.4	68.8	11.1	52.9	64.0	157.1

ESTACION: SANTAGUEDA

DPTO: CALDAS

LATITUD : 05° 05'N

AÑO : 1990

MPIO: PALESTINA

LONGITUD: 75° 40'W

ALTITUD : 1010 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.2	31.5	24.2	61.3	0.0	46.1	46.1	7.7
2	17.8	28.0	21.9	74.7	0.0	0.0	0.0	3.3
3	18.0	29.8	23.3	70.3	0.0	0.0	0.0	6.5
4	16.8	30.0	23.4	68.0	0.0	0.0	0.0	3.8
5	15.5	32.2	23.8	64.7	0.0	0.0	0.0	8.4
6	18.5	30.0	23.9	73.7	.7	0.0	.7	5.5
7	20.0	30.8	23.6	69.7	0.0	0.0	0.0	6.3
8	17.0	30.0	22.4	68.3	0.0	3.5	3.5	4.9
9	17.3	28.4	23.0	73.3	0.0	0.0	0.0	4.5
10	17.4	30.5	23.3	70.0	0.0	.4	.4	4.3
11	16.2	30.4	23.3	70.0	0.0	7.7	7.7	5.5
12	18.0	29.5	23.3	70.0	0.0	3.6	3.6	5.5
13	18.2	31.0	23.9	59.3	0.0	2.3	2.3	6.7
14	18.5	27.8	21.8	79.7	1.1	0.0	1.1	3.1
15	16.0	31.5	23.3	59.3	0.0	0.0	0.0	5.8
16	16.1	29.4	22.9	62.7	0.0	0.0	0.0	4.1
17	14.5	31.5	23.1	67.7	0.0	2.1	2.1	7.3
18	17.5	33.0	25.0	63.7	0.0	0.0	0.0	7.8
19	18.5	30.5	23.3	70.0	0.0	2.3	2.3	3.0
20	18.0	29.5	22.3	72.3	0.0	0.0	0.0	4.7
21	18.5	30.2	24.0	59.7	0.0	28.6	28.6	5.8
22	17.4	28.6	22.6	71.3	0.0	0.0	0.0	4.6
23	18.8	29.2	23.2	71.0	.6	0.0	.6	2.6
24	16.7	29.0	22.3	70.0	0.0	0.0	0.0	5.1
25	17.5	30.2	22.2	70.3	.4	0.0	.4	5.5
26	15.2	29.2	22.1	73.0	0.0	1.3	1.3	4.9
27	18.0	29.3	23.6	68.3	0.0	.3	.3	4.6
28	18.2	30.6	24.0	68.3	0.0	0.0	0.0	5.0
29	17.4	30.0	24.4	68.7	0.0	0.0	0.0	3.5
30	17.8	30.5	23.7	68.7	.2	22.6	22.8	2.7
31								
TOTAL PROMEDIO	17.4	30.1	23.2	68.6	3.0	120.8	123.8	153.0

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.5	28.5	23.0	77.3	.7	30.8	31.5	5.0
2	18.5	26.8	22.4	79.3	3.0	0.0	3.0	1.0
3	19.0	29.0	23.2	69.7	0.0	0.0	0.0	6.4
4	16.7	31.4	23.0	71.0	0.0	19.3	19.3	5.6
5	18.0	24.0	20.0	85.3	4.3	0.0	4.3	.9
6	16.5	29.5	21.3	75.0	4.0	0.0	4.0	6.7
7	18.1	28.2	21.9	78.3	.2	19.3	19.5	2.0
8	18.0	27.0	21.9	79.0	0.0	0.0	0.0	2.1
9	18.5	27.5	22.6	73.3	0.0	9.0	9.0	2.8
10	18.2	27.0	21.4	77.0	0.0	0.0	0.0	3.6
11	18.0	29.5	23.0	69.3	0.0	65.9	65.9	4.7
12	17.8	26.0	21.5	87.3	1.0	1.2	2.2	2.8
13	17.6	30.0	23.4	73.0	0.0	3.3	3.3	5.0
14	17.8	29.0	23.2	75.3	0.0	14.7	14.7	6.1
15	19.0	26.8	21.9	76.3	0.0	0.0	0.0	.7
16	17.8	30.0	22.7	72.3	0.0	5.0	5.0	7.5
17	18.4	28.2	22.3	73.7	0.0	1.1	1.1	4.1
18	18.0	30.4	22.4	73.3	0.0	0.0	0.0	5.8
19	18.8	29.2	23.1	72.7	0.0	38.1	38.1	4.6
20	17.0	26.1	21.0	82.7	0.0	0.0	0.0	3.5
21	18.0	28.0	21.6	76.0	0.0	0.0	0.0	0.0
22	17.1	21.5	18.7	91.7	12.8	0.0	12.8	0.0
23	16.2	29.2	22.3	72.7	0.0	0.0	0.0	4.5
24	17.2	25.4	21.7	81.0	0.0	0.0	0.0	.3
25	18.1	30.5	23.6	71.0	0.0	.8	.8	6.8
26	16.5	30.0	23.1	65.7	0.0	0.0	0.0	8.3
27	16.8	29.2	21.6	71.0	0.0	0.0	0.0	6.6
28	18.0	30.0	21.0	78.3	7.5	.9	8.4	5.8
29	17.0	27.5	21.9	79.0	0.0	0.0	0.0	2.7
30	18.8	29.5	23.0	74.7	0.0	9.8	9.8	5.2
31	18.0	29.2	21.8	77.7	.1	10.7	10.8	7.3
TOTAL PROMEDIO	17.8	28.2	22.1	76.1	33.6	229.9	263.5	128.4

ESTACION: SANTAGUEDA

DPTO: CALDAS

LATITUD : 05° 05'N

ANO : 1990

MPIO: PALESTINA

LONGITUD: 75° 40'W  
ALTITUD : 1010 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.2	28.8	22.8	75.3	0.0	0.0	0.0	7.3
2	19.0	28.4	22.1	76.7	1.4	32.5	33.9	2.2
3	18.2	27.3	21.2	78.3	4.6	14.5	19.1	2.7
4	17.8	25.0	21.0	81.3	0.0	0.0	0.0	.8
5	18.2	29.0	22.5	73.7	0.0	0.0	0.0	3.8
6	18.7	30.0	22.4	73.7	0.0	0.0	0.0	7.6
7	18.5	31.0	23.4	70.0	0.0	0.0	0.0	6.4
8	17.5	30.0	23.9	71.0	0.0	18.4	18.4	6.5
9	17.7	30.1	23.8	73.7	0.0	2.0	2.0	4.7
10	19.8	28.5	22.5	77.7	.5	0.0	.5	2.3
11	18.0	29.2	22.5	75.7	.4	1.0	1.4	4.9
12	17.0	30.2	23.1	72.3	0.0	0.0	0.0	6.6
13	18.7	31.2	23.2	71.3	0.0	0.0	0.0	6.8
14	19.0	30.5	23.9	72.7	0.0	0.0	0.0	6.7
15	19.1	30.2	23.8	71.3	0.0	0.0	0.0	5.1
16	19.6	30.8	24.4	71.0	0.0	19.2	19.2	6.8
17	18.8	27.5	22.5	78.0	0.0	1.0	1.0	2.8
18	19.0	27.4	22.4	76.7	0.0	.2	.2	1.0
19	16.8	30.0	22.9	73.7	0.0	10.8	10.8	8.0
20	19.8	27.5	22.6	81.0	0.0	0.0	0.0	3.6
21	18.8	26.3	19.8	81.0	1.2	1.6	2.8	2.4
22	16.0	27.5	20.9	78.0	0.0	0.0	0.0	3.9
23	15.8	28.6	22.5	73.0	0.0	4.1	4.1	5.4
24	17.0	27.0	21.3	78.0	0.0	0.0	0.0	2.5
25	16.0	30.6	22.5	71.7	0.0	0.0	0.0	8.8
26	18.0	30.5	23.4	66.7	0.0	4.4	4.4	6.2
27	18.5	27.9	22.1	75.7	0.0	5.1	5.1	1.1
28	18.8	27.0	22.0	83.3	.9	3.5	4.4	1.3
29	19.0	29.2	24.0	67.7	0.0	14.5	14.5	7.3
30	18.4	28.0	22.7	78.0	0.0	.3	.3	4.4
31								
TOTAL PROMEDIO	18.2	28.8	22.6	74.9	9.0	133.1	142.1	139.9

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.9	30.0	22.3	74.7	0.0	18.5	18.5	6.1
2	19.0	29.2	21.5	79.7	10.5	.1	10.6	3.9
3	18.0	27.5	22.1	78.0	0.0	11.2	11.2	4.8
4	18.8	29.2	22.0	78.0	4.8	43.2	48.0	5.2
5	18.5	25.4	20.9	81.0	.4	5.2	5.6	.4
6	17.2	27.5	21.7	74.7	0.0	0.0	0.0	4.6
7	17.0	30.2	22.0	71.7	0.0	.3	.3	7.4
8	16.8	28.0	22.0	75.0	.7	3.3	4.0	1.5
9	15.2	30.2	21.6	72.0	0.0	0.0	0.0	9.2
10	16.0	30.3	22.4	67.7	0.0	.3	.3	9.5
11	17.7	31.0	23.4	68.7	0.0	1.6	1.6	8.6
12	18.5	30.1	22.9	72.7	.1	0.0	.1	6.8
13	15.4	30.3	22.9	70.0	0.0	0.0	0.0	8.5
14	17.5	29.8	23.1	69.0	0.0	0.0	0.0	8.1
15	16.0	32.1	22.9	69.0	0.0	0.0	0.0	7.0
16	15.9	29.0	22.2	68.7	0.0	0.0	0.0	4.9
17	17.8	31.2	23.6	68.0	0.0	0.0	0.0	6.6
18	17.7	30.7	23.8	69.3	0.0	0.0	0.0	7.6
19	17.0	28.5	22.4	76.7	0.0	0.0	0.0	.8
20	18.2	31.2	24.4	64.7	0.0	0.0	0.0	8.5
21	17.5	29.8	23.4	72.0	0.0	0.0	0.0	3.8
22	17.0	27.5	22.7	73.0	0.0	0.0	0.0	.9
23	18.5	30.0	23.5	70.0	0.0	0.0	0.0	4.5
24	19.4	28.2	22.6	76.3	0.0	1.9	1.9	1.9
25	18.8	29.0	23.1	75.0	0.0	0.0	0.0	4.4
26	18.0	30.0	23.9	71.3	0.0	11.1	11.1	6.2
27	18.5	26.2	22.2	80.7	0.0	2.2	2.2	.4
28	18.3	26.0	21.8	80.0	.7	0.0	.7	.3
29	18.0	28.9	23.1	72.3	0.0	0.0	0.0	5.9
30	17.0	30.6	22.3	74.7	2.4	13.8	16.2	6.4
31	16.8	28.4	22.4	70.0	0.0	.1	.1	4.5
TOTAL PROMEDIO	17.6	29.2	22.6	73.0	19.6	112.8	132.4	159.2

ESTACION: SANTAGUEDA  
 AÑO : 1990

DPTO: CALDAS  
 MPIO: PALESTINA

LATITUD : 05° 05'N  
 LONGITUD: 75° 40'W  
 ALTITUD : 1010 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	18.3	29.9	23.3	16.2	33.7	72.7	68.0	15	163.1
FEBRERO	18.7	29.4	23.3	16.0	32.8	72.0	168.0	21	124.5
MARZO	18.3	28.9	23.1	15.0	32.9	73.7	192.6	17	
ABRIL	18.3	28.9	22.9	16.5	32.4	74.5	314.3	19	
MAYO	18.8	28.9	23.4	16.0	31.5	75.5	259.0	23	132.7
JUNIO	17.8	29.2	23.0	16.0	33.0	73.9	50.6	12	114.3
JULIO	17.2	29.0	22.8	14.7	31.2	73.0	218.5	23	174.6
AGOSTO	17.2	30.4	23.4	13.2	33.1	68.8	64.0	10	157.1
SEPTIEMBRE	17.4	30.1	23.2	14.5	33.0	68.6	123.8	16	153.0
OCTUBRE	17.8	28.2	22.1	16.2	31.4	76.1	263.5	19	128.4
NOVIEMBRE	18.2	28.8	22.6	15.8	31.2	74.9	142.1	17	139.9
DICIEMBRE	17.6	29.2	22.6	15.2	32.1	73.0	132.4	16	159.2
PROMEDIO	18.0	29.2	23.0			73.1			
ABSOLUTA				13.2	33.7				
TOTAL							1996.8	208	

ESTACION: GRANJA LUKER

DPTO: CALDAS

LATITUD : 05° 05'N

ANO : 1990

MPIO: PALESTINA

LONGITUD: 75° 41'W

ALTITUD : 1020 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	28.8	21.8	79.0	0.0	.1	.1	4.1
2	17.8	29.0	22.2	75.3	0.0	1.1	1.1	7.4
3	18.5	27.8	22.1	79.0	0.0	0.0	0.0	3.8
4	17.0	29.9	23.0	75.3	0.0	0.0	0.0	6.3
5	17.5	27.0	21.3	81.3	0.0	0.0	0.0	1.4
6	18.0	29.0	22.5	75.3	0.0	0.0	0.0	5.4
7	17.8	29.5	21.6	79.0	1.4	0.0	1.4	5.3
8	18.0	24.5	20.9	86.0	3.7	.1	3.8	0.0
9	18.2	29.2	22.1	80.0	0.0	.1	.1	6.3
10	18.5	28.5	23.3	72.0	0.0	1.1	1.1	3.6
11	19.0	29.5	23.2	75.7	0.0	13.0	13.0	6.0
12	18.0	25.3	19.9	87.0	5.2	0.0	5.2	.2
13	16.5	28.0	21.7	78.3	0.0	.6	.6	7.1
14	16.4	28.2	22.5	72.7	0.0	0.0	0.0	5.7
15	18.0	30.0	23.5	75.7	0.0	0.0	0.0	7.0
16	19.0	30.5	24.0	72.0	0.0	24.9	24.9	5.5
17	19.5	30.4	23.6	78.3	0.0	6.2	6.2	6.7
18	19.0	29.4	23.9	75.0	0.0	.2	.2	5.5
19	19.5	29.9	22.3	82.0	10.8	0.0	10.8	4.1
20	19.3	30.0	23.5	76.3	0.0	0.0	0.0	6.4
21	18.0	30.0	22.9	80.0	.2	0.0	.2	6.9
22	18.5	25.2	20.8	87.7	.4	0.0	.4	2.0
23	16.0	30.5	22.9	75.3	0.0	0.0	0.0	7.6
24	17.0	29.5	22.3	80.7	0.0	0.0	0.0	4.3
25	15.5	32.5	24.0	74.3	0.0	15.9	15.9	8.3
26	18.8	25.5	21.9	91.3	.7	.6	1.3	0.0
27	18.5	31.5	23.7	70.7	0.0	0.0	0.0	7.0
28	16.0	31.2	23.3	74.7	0.0	0.0	0.0	8.3
29	18.5	32.0	24.0	73.7	0.0	0.0	0.0	7.6
30	18.4	30.0	24.1	76.0	0.0	0.0	0.0	4.6
31	18.5	29.5	23.6	77.0	0.0	0.0	0.0	4.2
TOTAL PROMEDIO	17.9	29.1	22.6	78.0	22.4	63.9	86.3	158.6

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.5	32.0	23.6	75.0	0.0	0.0	0.0	6.7
2	19.0	29.5	23.8	79.0	0.0	4.8	4.8	2.4
3	19.5	28.5	24.4	71.0	0.0	0.0	0.0	5.7
4	20.0	29.0	24.8	69.3	0.0	5.9	5.9	4.5
5	19.8	27.8	23.1	81.7	2.1	5.0	7.1	1.9
6	18.1	28.0	22.6	73.3	0.0	0.0	0.0	3.4
7	18.5	30.0	24.2	72.3	0.0	59.6	59.6	4.9
8	19.0	30.5	23.9	79.0	0.0	28.6	28.6	3.3
9	18.0	28.5	22.7	81.0	0.0	5.0	5.0	2.8
10	19.8	29.5	23.7	77.7	2.0	0.0	2.0	3.8
11	19.0	29.0	23.8	77.3	0.0	18.6	18.6	4.7
12	18.5	26.0	21.2	92.3	2.1	0.0	2.1	2.2
13	18.0	27.2	22.7	80.7	0.0	0.0	0.0	8.1
14	17.5	30.0	22.8	74.3	0.0	0.0	0.0	7.1
15	19.2	30.2	24.0	75.0	0.0	10.0	10.0	7.5
16	19.0	30.8	23.9	71.0	0.0	0.0	0.0	9.7
17	17.5	30.5	23.1	66.3	0.0	1.9	1.9	1.7
18	19.0	27.0	21.9	75.3	.3	.8	1.1	5.9
19	18.0	27.5	22.0	73.0	.3	.6	.9	
20	18.5	29.9	22.6	71.0	0.0	1.1	1.1	8.5
21	17.0	30.5	22.5	68.3	0.0	0.0	0.0	4.7
22	16.5	30.0	22.8	68.3	0.0	0.0	0.0	2.9
23	19.0	29.0	23.2	71.0	0.0	0.0	0.0	6.8
24	18.0	28.0	23.0	71.0	0.0	1.1	1.1	4.6
25	19.0	29.0	23.0	68.3	0.0	5.5	5.5	7.1
26	18.8	24.2	21.1	81.7	14.4	0.0	14.4	.1
27	17.9	29.0	22.7	72.0	0.0	0.0	0.0	3.0
28	18.5	26.8	22.6	74.0	0.0	0.0	0.0	3.3
29								
30								
31								
TOTAL PROMEDIO	18.5	28.9	23.0	74.7	21.2	148.5	169.7	

ESTACION: GRANJA LUKER

DPTO: CALDAS

LATITUD : 05° 05'N

AÑO : 1990

MPIO: PALESTINA

LONGITUD: 75° 41'W

ALTITUD : 1020 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.7	28.0	22.5	71.0	0.0	0.0	0.0	5.0
2	18.4	30.5	23.1	67.7	0.0	.2	.2	7.6
3	18.5	26.2	21.9	76.3	1.7	0.0	1.7	2.9
4	17.0	28.0	22.0	73.7	0.0	0.0	0.0	4.5
5	18.6	28.2	23.2	73.0	0.0	0.0	0.0	8.5
6	16.0	31.6	24.3	63.3	0.0	26.7	26.7	8.8
7	19.5	29.2	24.0	74.0	0.0	2.9	2.9	7.7
8	20.0	30.0	24.2	73.0	0.0	0.0	0.0	6.4
9	18.0	31.5	24.6	70.3	0.0	0.0	0.0	4.7
10	18.5	31.0	24.1	72.7	0.0	.1	.1	9.0
11	19.5	29.0	23.6	74.0	0.0	0.0	0.0	1.1
12	18.0	32.5	25.4	65.3	0.0	0.0	0.0	6.1
13	20.8	31.5	25.8	69.7	0.0	0.0	0.0	6.4
14	20.4	30.0	25.4	68.7	0.0	0.0	0.0	2.5
15	20.0	27.5	22.9	84.7	18.1	0.0	18.1	0.0
16	19.8	27.9	22.6	78.0	1.5	0.0	1.5	7.0
17	19.0	31.8	24.6	68.7	.1	13.6	13.7	5.2
18	18.8	26.0	21.7	83.3	0.0	0.0	0.0	.7
19	19.0	30.0	24.4	71.7	0.0	11.2	11.2	9.1
20	19.5	30.6	23.6	76.3	.3	0.0	.3	.1
21	20.2	23.5	21.6	88.3	1.0	0.0	1.0	0.0
22	18.5	31.5	24.7	65.7	0.0	2.7	2.7	2.2
23	19.5	24.0	21.4	91.0	9.5	.6	10.1	9.6
24	19.0	28.3	23.0	79.3	.3	.4	.7	9.1
25	19.8	22.4	20.0	91.7	73.0	4.0	77.0	4.6
26	18.0	23.2	19.7	90.0	1.5	9.0	10.5	0.0
27	16.0	28.1	21.1	77.3	0.0	0.0	0.0	4.4
28	18.0	31.0	23.9	65.7	0.0	0.0	0.0	8.2
29	18.0	32.0	24.8	63.7	0.0	0.0	0.0	6.3
30	20.0	32.5	25.6	62.3	0.0	0.0	0.0	5.8
31	19.0	30.8	24.4	69.3	0.0	7.9	7.9	7.0
TOTAL PROMEDIO	18.8	29.0	23.3	74.2	107.0	79.3	186.3	160.5

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	19.0	26.2	22.5	78.3	1.8	0.0	1.8	3.1
2	17.2	30.5	23.4	71.3	0.0	5.2	5.2	6.3
3	19.1	30.0	23.8	70.0	0.0	4.2	4.2	.5
4	19.5	29.6	22.2	81.7	7.3	26.2	33.5	8.3
5	18.8	30.0	23.1	77.7	0.0	19.1	19.1	5.3
6	19.5	28.0	23.1	77.0	0.0	0.0	0.0	7.1
7	17.5	31.0	23.6	69.7	0.0	0.0	0.0	3.1
8	19.0	30.8	23.7	68.0	0.0	0.0	0.0	9.3
9	17.5	31.0	24.2	69.3	0.0	0.0	0.0	7.2
10	18.0	31.5	24.7	69.3	0.0	0.0	0.0	6.7
11	20.0	32.0	25.6	70.3	0.0	29.1	29.1	7.6
12	19.5	30.5	24.2	75.3	.5	6.8	7.3	5.7
13	20.0	31.4	24.8	75.3	0.0	8.7	8.7	7.5
14	19.5	28.2	23.4	78.7	2.1	.1	2.2	1.6
15	20.0	29.5	23.8	73.0	0.0	19.0	19.0	3.8
16	18.2	26.2	22.2	74.0	0.0	0.0	0.0	.3
17	17.5	30.0	23.4	74.3	0.0	.8	.8	6.2
18	18.0	31.0	23.4	72.7	0.0	0.0	0.0	5.9
19	19.0	29.9	24.5	72.3	0.0	1.5	1.5	4.0
20	19.5	28.8	22.2	82.0	8.2	11.1	19.3	
21	19.0	26.0	21.8	82.3	0.0	0.0	0.0	3.7
22	17.5	30.0	22.1	76.7	10.4	7.1	17.5	7.0
23	18.5	27.2	22.2	78.7	.1	0.0	.1	4.4
24	19.0	28.3	22.7	74.7	0.0	0.0	0.0	1.5
25	20.0	28.5	22.3	81.7	6.0	2.9	8.9	1.1
26	19.5	29.5	23.1	73.7	0.0	25.0	25.0	4.7
27	17.8	28.0	22.5	78.0	.1	19.3	19.4	4.5
28	18.5	25.4	21.5	81.7	.5	5.6	6.1	1.1
29	19.0	29.0	23.2	76.3	0.0	.9	.9	3.5
30	18.8	23.8	20.9	88.0	1.7	0.0	1.7	.6
31								
TOTAL PROMEDIO	18.8	29.1	23.1	75.7	38.7	192.6	231.3	



ESTACION: GRANJA LUKER

DPTO: CALDAS

LATITUD : 05° 05'N

AÑO : 1990

MPIO: PALESTINA

LONGITUD : 75° 41'W

ALTITUD : 1020 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	19.4	29.0	23.8	72.7	0.0	.7	.7	4.8
2	18.2	28.9	22.5	77.3	2.9	0.0	2.9	3.7
3	18.5	30.0	21.8	78.0	11.4	0.0	11.4	5.2
4	17.5	29.0	22.5	75.0	0.0	.4	.4	3.6
5	19.0	28.8	22.4	78.3	6.9	1.5	8.4	3.6
6	18.8	29.5	23.4	76.7	0.0	0.0	0.0	4.7
7	19.0	31.0	23.8	74.7	0.0	1.9	1.9	6.6
8	20.2	29.5	23.7	79.7	0.0	12.3	12.3	1.9
9	19.8	30.5	23.8	75.3	0.0	.4	.4	7.3
10	19.5	31.2	24.6	69.3	0.0	21.9	21.9	8.2
11	19.2	30.0	24.6	69.7	0.0	6.3	6.3	7.8
12	19.0	28.0	22.9	80.7	0.0	0.0	0.0	1.7
13	19.7	27.8	23.1	77.3	0.0	10.3	10.3	2.5
14	19.0	28.9	23.0	80.7	0.0	0.0	0.0	2.5
15	18.5	28.0	22.0	78.7	0.0	0.0	0.0	2.8
16	18.0	31.0	25.7	69.0	0.0	16.5	16.5	8.5
17	20.5	29.8	23.8	75.3	.6	11.7	12.3	4.7
18	20.0	30.0	24.2	75.7	0.0	0.0	0.0	7.1
19	20.1	28.2	23.7	79.0	1.0	0.0	1.0	.7
20	20.0	31.0	24.5	69.3	0.0	0.0	0.0	7.1
21	20.2	28.2	23.8	74.7	.1	33.3	33.4	1.9
22	18.2	27.0	22.7	76.0	0.0	.6	.6	3.3
23	20.0	29.4	23.9	74.7	0.0	29.9	29.9	5.1
24	19.0	29.0	22.9	78.3	.3	20.5	20.8	5.3
25	19.8	27.2	23.3	84.3	0.0	0.0	0.0	4.1
26	19.0	30.5	23.5	73.7	0.0	2.8	2.8	7.5
27	19.5	29.2	23.8	75.7	0.0	19.1	19.1	7.3
28	19.0	30.0	24.0	73.0	.1	2.9	3.0	5.1
29	19.2	26.0	21.3	82.0	8.4	0.0	8.4	1.7
30	16.5	29.0	22.7	76.0	0.0	0.0	0.0	7.0
31	19.0	30.2	23.9	70.7	0.0	.3	.3	6.7
TOTAL PROMEDIO	19.1	29.2	23.4	75.8	31.7	193.3	225.0	150.0

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	19.5	29.0	22.1	79.7	7.7	0.0	7.7	6.2
2	18.0	31.0	23.3	72.0	0.0	0.0	0.0	7.0
3	18.5	29.2	23.8	73.3	0.0	0.0	0.0	4.6
4	19.5	30.0	22.5	77.7	.4	.2	.6	5.2
5	19.0	31.8	24.2	71.3	0.0	0.0	0.0	8.1
6	18.5	31.9	24.8	65.7	0.0	0.0	0.0	7.7
7	18.0	30.8	23.6	70.0	0.0	0.0	0.0	5.6
8	16.5	28.5	23.3	72.0	0.0	0.0	0.0	1.5
9	19.0	27.3	23.1	79.0	0.0	1.5	1.5	5.5
10	19.5	26.2	22.8	81.7	0.0	7.6	7.6	.3
11	19.0	26.7	22.1	81.3	.7	0.0	.7	0.0
12	19.5	28.2	22.0	82.7	.6	0.0	.6	3.2
13	17.5	28.0	21.7	80.0	.3	1.8	2.1	4.0
14	19.2	28.8	22.7	78.7	0.0	0.0	0.0	4.7
15	19.0	30.0	24.2	69.7	0.0	15.8	15.8	3.8
16	18.8	28.0	21.8	78.3	17.0	0.0	17.0	0.0
17	17.6	29.5	23.2	76.0	0.0	0.0	0.0	0.0
18	16.5	31.5	24.0	68.7	0.0	0.0	0.0	9.2
19	18.0	30.5	24.5	70.0	0.0	0.0	0.0	6.3
20	18.5	32.0	24.6	72.0	0.0	0.0	0.0	7.3
21	17.5	32.9	24.2	66.7	0.0	0.0	0.0	9.4
22	18.0	29.0	24.1	67.3	0.0	0.0	0.0	4.2
23	18.1	29.1	23.7	73.3	0.0	0.0	0.0	5.2
24	19.5	28.2	22.0	77.0	.4	.2	.6	3.1
25	17.0	30.2	24.1	70.0	0.0	0.0	0.0	6.5
26	18.5	30.0	24.4	66.7	0.0	0.0	0.0	6.3
27	19.5	26.5	22.2	83.3	.1	0.0	.1	.4
28	17.0	31.5	23.6	72.7	0.0	0.0	0.0	8.6
29	17.2	32.8	24.4	67.3	0.0	0.0	0.0	9.0
30	18.0	31.2	25.1	70.3	0.0	1.9	1.9	6.3
31								
TOTAL PROMEDIO	18.3	29.7	23.4	73.8	27.2	29.0	56.2	149.2

ESTACION: GRANJA LUKER

DPTO: CALDAS

LATITUD : 05° 05'N

ANO : 1990

MPIO: PALESTINA

LONGITUD: 75° 41'W

ALTITUD : 1020 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	31.0	23.5	70.0	0.0	18.2	18.2	9.5
2	18.0	28.0	22.5	79.7	.5	.1	.6	3.1
3	18.2	30.0	24.8	70.3	0.0	6.1	6.1	6.6
4	19.2	27.4	23.2	78.0	9.6	18.8	28.4	.8
5	19.0	27.5	22.5	76.3	.2	0.0	.2	3.0
6	17.5	28.0	22.7	78.7	0.0	0.0	0.0	6.8
7	18.0	30.2	24.2	67.0	0.0	.4	.4	8.8
8	18.2	30.0	23.9	65.3	0.0	29.1	29.1	7.9
9	18.0	28.8	22.5	72.0	0.0	52.0	52.0	8.4
10	17.5	28.2	22.2	75.3	1.0	0.0	1.0	4.5
11	18.0	29.0	22.6	76.0	0.0	0.0	0.0	5.6
12	17.0	29.1	22.7	76.3	0.0	1.5	1.5	5.5
13	18.5	29.2	23.4	75.3	0.0	1.4	1.4	5.5
14	18.0	28.0	22.6	73.7	0.0	3.3	3.3	5.1
15	18.4	27.0	22.4	79.3	.2	0.0	.2	1.2
16	18.2	28.0	22.2	81.7	.7	12.8	13.5	4.0
17	18.0	28.5	22.9	72.0	0.0	7.4	7.4	6.1
18	18.2	29.0	23.0	75.0	0.0	10.0	10.0	7.5
19	17.5	29.5	22.1	73.3	0.0	0.0	0.0	8.1
20	15.0	30.5	24.1	60.0	0.0	13.4	13.4	10.7
21	17.0	30.0	22.9	73.0	0.0	0.0	0.0	9.0
22	16.0	28.0	21.1	82.0	0.0	0.0	0.0	5.5
23	16.1	28.2	22.8	71.7	0.0	1.4	1.4	8.0
24	18.0	30.5	24.0	72.0	0.0	0.0	0.0	8.9
25	17.8	31.0	23.7	68.7	0.0	0.0	0.0	8.8
26	20.0	29.4	23.9	71.3	0.0	.3	.3	4.1
27	17.0	30.2	23.6	69.7	0.0	0.0	0.0	8.7
28	17.5	30.0	24.2	71.7	0.0	0.0	0.0	6.2
29	16.8	31.0	24.1	72.7	0.0	.4	.4	8.4
30	18.0	29.0	23.2	69.3	0.0	.4	.4	8.2
31	15.5	30.5	22.7	66.7	0.0	0.0	0.0	9.2
TOTAL PROMEDIO	17.6	29.2	23.1	73.0	12.2	177.0	189.2	203.7

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.0	31.4	22.7	68.0	0.0	0.0	0.0	11.1
2	17.0	29.0	23.4	70.7	0.0	23.1	23.1	4.9
3	18.0	28.0	22.7	73.0	0.0	0.0	0.0	6.4
4	17.5	29.5	22.8	69.0	0.0	0.0	0.0	7.5
5	16.0	28.0	21.4	71.7	0.0	0.0	0.0	3.9
6	14.0	32.5	23.7	66.3	0.0	14.2	14.2	5.1
7	17.5	31.2	23.7	72.7	0.0	1.6	1.6	8.5
8	18.5	30.2	23.5	73.7	0.0	0.0	0.0	6.3
9	19.0	30.0	24.0	74.0	0.0	0.0	0.0	6.4
10	18.0	27.5	23.2	81.3	0.0	0.0	0.0	2.0
11	18.5	32.0	24.5	70.0	0.0	0.0	0.0	7.8
12	17.0	30.2	24.9	64.7	0.0	0.0	0.0	7.0
13	18.0	30.5	23.7	64.0	0.0	0.0	0.0	5.0
14	18.4	30.0	23.5	67.7	0.0	0.0	0.0	4.9
15	18.5	27.0	22.4	78.0	0.0	2.0	2.0	2.2
16	19.0	31.0	23.8	71.3	0.0	0.0	0.0	6.8
17	17.0	33.0	24.7	67.3	0.0	0.0	0.0	9.7
18	19.0	29.0	24.0	75.7	0.0	0.0	0.0	.8
19	18.0	32.0	24.6	67.3	0.0	0.0	0.0	9.2
20	17.0	29.0	22.7	73.3	0.0	0.0	0.0	3.1
21	18.0	30.5	22.7	70.3	0.0	0.0	0.0	5.1
22	16.0	32.0	24.0	64.3	0.0	0.0	0.0	6.8
23	17.0	30.5	22.7	69.3	0.0	0.0	0.0	5.6
24	16.5	30.0	23.0	67.7	0.0	0.0	0.0	8.9
25	17.0	32.5	24.2	57.3	0.0	0.0	0.0	6.2
26	16.5	30.2	23.1	69.7	0.0	2.2	2.2	6.2
27	17.5	30.0	23.3	73.3	0.0	0.0	0.0	6.4
28	19.0	25.2	21.4	84.0	9.6	0.0	9.6	0.0
29	17.0	28.0	21.8	86.7	.3	0.0	.3	4.3
30	19.0	31.8	22.5	80.7	2.5	3.9	6.4	5.8
31	17.0	30.8	22.6	74.7	0.0	0.0	0.0	8.2
TOTAL PROMEDIO	17.4	30.1	23.2	71.5	12.4	47.0	59.4	181.5

ESTACION: GRANJA LUKER

DPTO: CALDAS

LATITUD : 05° 05'N

ANO : 1990

MPIO: PALESTINA

LONGITUD : 75° 41'W  
ALTITUD : 1020 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.5	31.2	24.4	65.0	0.0	34.6	34.6	7.9
2	17.4	28.0	22.0	76.0	0.0	0.0	0.0	3.8
3	18.0	29.0	22.8	73.3	0.0	0.0	0.0	6.4
4	17.0	29.5	23.1	72.7	0.0	0.0	0.0	4.6
5	16.0	32.0	23.2	72.7	0.0	0.0	0.0	8.2
6	19.0	29.0	23.5	76.7	.6	0.0	.6	5.6
7	19.8	30.5	23.0	73.3	0.0	0.0	0.0	6.5
8	17.0	30.5	22.7	71.0	0.0	1.8	1.8	5.4
9	17.8	29.0	22.7	75.3	.1	0.0	.1	4.3
10	18.0	30.0	23.0	77.3	0.0	.3	.3	4.5
11	17.0	30.7	23.9	66.0	0.0	14.0	14.0	6.6
12	18.0	29.5	23.3	69.3	0.0	1.9	1.9	5.6
13	18.5	30.5	23.7	60.7	0.0	.6	.6	7.5
14	18.0	27.4	21.7	77.0	1.0	0.0	1.0	.9
15	16.5	31.7	23.0	66.0	0.0	0.0	0.0	6.1
16	16.4	29.2	21.9	69.0	0.0	0.0	0.0	4.7
17	15.0	31.2	23.7	67.7	0.0	3.5	3.5	7.3
18	18.0	33.0	24.7	64.0	0.0	0.0	0.0	8.2
19	18.1	30.2	22.6	66.3	0.0	1.3	1.3	4.0
20	18.0	30.0	22.4	72.0	0.0	0.0	0.0	5.7
21	18.2	30.1	23.0	67.7	0.0	10.3	10.3	6.0
22	17.0	28.0	22.9	71.3	0.0	0.0	0.0	3.2
23	18.5	28.2	22.2	72.7	.2	0.0	.2	3.2
24	16.5	29.8	22.6	69.0	0.0	0.0	0.0	5.5
25	18.0	30.0	21.9	74.7	.3	0.0	.3	4.0
26	16.0	29.0	22.0	71.3	0.0	4.4	4.4	5.0
27	18.2	30.0	23.7	67.3	0.0	0.0	0.0	5.3
28	19.0	30.8	24.4	68.7	0.0	0.0	0.0	5.9
29	19.2	30.0	24.1	66.7	.1	0.0	.1	4.3
30	18.0	30.2	23.8	67.7	0.0	19.2	19.2	3.6
31								
TOTAL PROMEDIO	17.7	29.9	23.0	70.3	2.3	91.9	94.2	159.8

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	29.0	22.9	74.3	.4	28.0	28.4	5.1
2	19.0	26.0	22.0	80.0	5.9	0.0	5.9	.5
3	19.1	29.0	23.1	70.7	0.0	0.0	0.0	6.8
4	17.0	30.5	22.9	73.3	.1	13.7	13.8	5.6
5	17.5	24.0	19.9	91.3	1.2	0.0	1.2	1.2
6	16.0	29.0	21.1	73.7	5.9	0.0	5.9	6.9
7	18.0	28.2	21.5	71.7	.3	16.8	17.1	2.5
8	18.0	27.2	21.5	78.0	0.0	0.0	0.0	2.4
9	19.0	27.8	22.5	74.7	.2	13.9	14.1	3.3
10	18.2	27.0	21.6	81.3	0.0	0.0	0.0	3.1
11	18.0	29.4	23.0	70.7	0.0	60.5	60.5	5.7
12	17.8	26.5	20.7	82.0	.8	1.2	2.0	2.7
13	18.0	30.0	23.4	69.3	0.0	2.4	2.4	4.9
14	18.1	28.4	22.9	76.7	0.0	18.1	18.1	5.6
15	18.5	27.5	22.5	78.7	0.0	0.0	0.0	1.1
16	18.3	30.0	22.7	73.0	0.0	4.8	4.8	8.3
17	19.0	28.0	22.5	75.3	0.0	0.0	0.0	3.3
18	18.5	30.5	23.1	70.3	0.0	.1	.1	6.3
19	19.0	29.5	23.4	72.0	0.0	23.4	23.4	5.8
20	17.2	26.5	21.1	79.7	0.0	.5	.5	3.7
21	18.0	28.5	21.3	75.0	.3	0.0	.3	4.7
22	17.1	22.0	19.2	89.3	13.2	0.0	13.2	0.0
23	17.0	28.8	22.8	68.3	0.0	0.0	0.0	5.0
24	17.7	26.0	21.6	79.3	0.0	0.0	0.0	1.0
25	18.7	31.0	23.4	70.3	0.0	.5	.5	7.9
26	17.0	29.2	22.8	73.0	0.0	0.0	0.0	8.4
27	16.8	29.0	21.7	73.3	.2	0.0	.2	6.7
28	18.0	29.2	21.3	78.3	3.3	.4	3.7	6.3
29	17.0	28.0	22.0	78.7	0.0	0.0	0.0	2.6
30	19.7	29.5	23.2	72.3	0.0	8.3	8.3	6.2
31	18.5	29.6	22.3	75.3	.2	11.5	11.7	6.4
TOTAL PROMEDIO	18.0	28.2	22.1	75.8	32.0	204.1	236.1	140.0

ESTACION: GRANJA LUKER

DPTO: CALDAS

LATITUD : 05° 05'N

AÑO : 1990

MPIO: PALESTINA

LONGITUD: 75° 41'W

ALTITUD : 1020 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	29.2	22.8	77.3	0.0	0.0	0.0	5.9
2	19.0	28.5	22.0	78.0	1.1	31.9	33.0	2.4
3	18.8	27.5	21.1	78.7	4.1	12.2	16.3	1.8
4	18.0	25.0	20.8	77.3	0.0	0.0	0.0	.3
5	17.8	29.0	23.0	73.0	0.0	0.0	0.0	4.5
6	19.1	29.9	22.5	75.0	0.0	0.0	0.0	7.8
7	19.0	31.0	23.6	71.3	0.0	0.0	0.0	6.5
8	18.0	30.0	23.7	72.0	0.0	11.1	11.1	7.0
9	18.5	29.9	23.3	76.0	0.0	1.3	1.3	4.7
10	20.0	28.5	22.2	78.7	.3	0.0	.3	2.7
11	18.0	29.0	22.1	73.3	.7	1.8	2.5	5.7
12	17.0	30.9	23.5	73.0	0.0	0.0	0.0	5.6
13	19.0	31.2	23.1	74.3	0.0	0.0	0.0	7.5
14	19.1	31.0	24.0	74.0	0.0	.2	.2	7.9
15	19.2	30.0	23.5	75.3	0.0	0.0	0.0	6.1
16	20.0	30.5	23.7	71.7	0.0	18.9	18.9	7.6
17	19.0	26.8	21.4	78.0	0.0	.6	.6	3.4
18	18.8	26.0	21.4	77.7	0.0	.1	.1	1.6
19	17.2	30.8	23.0	70.7	0.0	1.0	1.0	8.5
20	20.5	27.5	22.5	81.3	0.0	.6	.6	4.8
21	19.0	26.5	19.9	81.7	.9	1.9	2.8	2.4
22	16.0	27.2	20.6	80.7	0.0	0.0	0.0	3.4
23	16.5	29.0	22.4	72.7	0.0	4.7	4.7	5.7
24	17.0	27.0	21.2	76.0	0.0	0.0	0.0	3.2
25	16.5	30.0	22.7	68.0	0.0	0.0	0.0	8.9
26	18.0	29.5	23.3	74.7	0.0	.3	.3	6.3
27	18.1	27.4	21.6	76.0	0.0	6.9	6.9	2.4
28	18.8	27.0	21.4	82.3	2.4	.4	2.8	1.7
29	19.0	29.0	23.2	69.7	0.0	13.2	13.2	7.4
30	18.4	28.0	22.7	75.7	0.0	0.0	0.0	5.9
31								
TOTAL PROMEDIO	18.4	28.8	22.4	75.5	9.5	107.1	116.6	149.6

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.5	29.0	22.7	72.7	0.0	9.7	9.7	6.6
2	18.8	28.0	20.6	77.0	11.8	.2	12.0	4.0
3	17.0	27.2	22.6	76.3	0.0	3.4	3.4	4.2
4	19.0	29.0	22.0	75.0	12.7	16.2	28.9	4.9
5	18.8	25.2	21.0	79.3	.5	3.4	3.9	.4
6	18.0	27.5	22.1	76.3	0.0	0.0	0.0	5.0
7	17.1	30.0	21.9	72.3	0.0	.2	.2	7.5
8	17.0	27.0	21.1	80.0	.9	1.0	1.9	1.9
9	15.0	29.0	21.1	74.0	0.0	0.0	0.0	8.9
10	16.0	30.0	22.3	70.3	0.0	0.0	0.0	9.0
11	17.4	30.2	22.9	69.0	0.0	2.4	2.4	8.4
12	18.0	29.3	22.8	73.3	0.0	0.0	0.0	7.0
13	16.0	30.2	22.3	70.3	0.0	0.0	0.0	8.0
14	17.5	30.0	22.8	71.0	0.0	0.0	0.0	6.3
15	16.2	31.3	23.1	71.0	0.0	0.0	0.0	8.7
16	16.0	28.8	22.1	73.3	0.0	0.0	0.0	6.1
17	17.5	31.0	23.9	66.7	0.0	0.0	0.0	6.9
18	18.0	30.8	23.7	70.7	0.0	0.0	0.0	7.1
19	17.0	28.0	22.2	77.0	0.0	0.0	0.0	2.9
20	18.0	31.2	23.7	67.7	0.0	0.0	0.0	7.5
21	17.8	29.8	23.4	67.0	0.0	0.0	0.0	5.7
22	17.0	27.0	22.4	76.0	0.0	0.0	0.0	1.0
23	18.0	28.8	22.7	68.3	0.0	0.0	0.0	5.4
24	18.5	27.8	22.3	76.0	0.0	1.9	1.9	1.0
25	19.0	28.5	22.7	78.7	0.0	0.0	0.0	4.0
26	18.0	30.0	23.5	70.3	0.0	9.5	9.5	6.5
27	18.2	27.0	22.3	79.3	0.0	4.2	4.2	1.1
28	19.0	26.0	21.9	79.7	.4	0.0	.4	.5
29	18.0	28.5	23.0	74.0	0.0	0.0	0.0	5.8
30	17.1	30.0	22.6	72.3	.5	5.1	5.6	6.3
31	17.0	29.0	22.7	70.3	0.0	.6	.6	4.7
TOTAL PROMEDIO	17.6	28.9	22.5	73.4	26.8	57.8	84.6	163.3

ESTACION: GRANJA LUKER  
 AÑO : 1990

DPTO: CALDAS  
 MPIO: PALESTINA

LATITUD : 05° 05'N  
 LONGITUD: 75° 41'W  
 ALTITUD : 1020 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	17.9	29.1	22.6	15.5	32.5	78.0	86.3	17	158.6
FEBRERO	18.5	28.9	23.0	16.5	32.0	74.7	169.7	17	
MARZO	18.8	29.0	23.3	16.0	32.5	74.2	186.3	17	160.5
ABRIL	18.8	29.1	23.1	17.2	32.0	75.7	231.3	21	
MAYO	19.1	29.2	23.4	16.5	31.2	75.8	225.0	23	150.0
JUNIO	18.3	29.7	23.4	16.5	32.9	73.8	56.2	12	149.2
JULIO	17.6	29.2	23.1	15.0	31.0	73.0	189.2	21	203.7
AGOSTO	17.4	30.1	23.2	14.0	33.0	71.5	59.4	8	181.5
SEPTIEMBRE	17.7	29.9	23.0	15.0	33.0	70.3	94.2	17	159.8
OCTUBRE	18.0	28.2	22.1	16.0	31.0	75.8	236.1	22	140.0
NOVIEMBRE	18.4	28.8	22.4	16.0	31.2	75.5	116.6	18	149.6
DICIEMBRE	<u>17.6</u>	<u>28.9</u>	<u>22.5</u>	<u>15.0</u>	<u>31.3</u>	73.4	<u>84.6</u>	<u>14</u>	<u>163.3</u>
PROMEDIO	18.2	29.2	22.9			74.3			
ABSOLUTA				14.0	33.0				
TOTAL							1734.9	207	

ESTACION: CENICAFE

DPTO: CALDAS

LATITUD : 05° 00'N

AÑO : 1990

MPIO: CHINCHINA

LONGITUD: 75° 36'W

ALTITUD : 1310 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.4	27.0	20.6	72.7	0.0	14.7	14.7	5.4
2	16.8	27.9	21.4	75.3	0.0	0.0	0.0	7.9
3	17.0	26.3	21.1	79.0	0.0	0.0	0.0	2.0
4	16.7	27.8	21.7	72.7	0.0	1.9	1.9	6.4
5	16.5	26.0	20.6	78.3	0.0	0.0	0.0	1.6
6	17.0	26.8	20.5	77.7	1.1	0.0	1.1	4.7
7	17.4	28.2	20.3	79.7	5.0	4.7	9.7	4.8
8	17.2	22.3	19.4	90.7	17.9	0.0	17.9	0.0
9	17.0	27.2	21.5	77.0	0.0	0.0	0.0	6.1
10	17.6	26.9	21.6	78.7	0.0	0.0	0.0	2.9
11	17.8	27.6	21.9	74.7	0.0	23.8	23.8	4.2
12	17.0	23.2	18.7	88.0	15.6	0.0	15.6	.1
13	15.4	25.9	20.3	77.3	0.0	.1	.1	5.4
14	16.8	27.4	21.2	74.7	0.0	0.0	0.0	4.9
15	17.4	28.5	22.9	72.7	0.0	0.0	0.0	5.9
16	17.9	28.6	22.3	74.0	0.0	1.1	1.1	4.1
17	18.2	30.0	22.4	77.7	0.0	50.0	50.0	5.7
18	17.0	28.7	21.9	79.3	.7	0.0	.7	7.0
19	19.0	27.5	21.6	80.0	.3	0.0	.3	2.3
20	18.0	29.4	22.2	75.7	0.0	0.0	0.0	6.6
21	17.4	28.3	22.4	71.0	0.0	0.0	0.0	5.4
22	18.5	26.1	20.5	86.3	0.0	0.0	0.0	2.5
23	15.8	29.5	21.9	73.3	0.0	0.0	0.0	7.3
24	17.4	29.7	21.9	75.7	0.0	0.0	0.0	4.1
25	17.0	32.0	23.8	67.0	0.0	3.2	3.2	7.8
26	18.0	23.0	20.2	89.7	4.3	0.0	4.3	0.0
27	17.6	30.0	22.8	71.0	0.0	0.0	0.0	6.3
28	17.0	30.5	23.3	73.0	0.0	0.0	0.0	7.3
29	19.1	31.2	23.5	72.3	0.0	0.0	0.0	8.2
30	19.2	29.9	23.5	74.0	0.0	.9	.9	5.2
31	19.4	28.6	23.1	72.7	0.0	0.0	0.0	1.6
TOTAL PROMEDIO	17.4	27.8	21.6	76.8	44.9	100.4	145.3	143.7

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.6	30.1	23.6	70.0	0.0	0.0	0.0	6.1
2	18.6	28.0	21.8	78.7	.7	.3	1.0	2.3
3	18.5	28.1	23.5	78.0	0.0	0.0	0.0	3.7
4	19.5	27.2	22.5	81.7	1.9	22.0	23.9	1.3
5	18.4	26.1	20.5	86.7	4.1	3.2	7.3	1.0
6	17.0	27.2	21.5	81.3	0.0	0.0	0.0	4.9
7	18.2	30.0	22.9	76.0	0.0	2.2	2.2	3.8
8	19.0	28.4	22.8	74.3	0.0	7.2	7.2	2.4
9	18.0	27.8	21.9	80.3	0.0	11.4	11.4	4.1
10	17.8	27.9	22.4	83.0	.1	0.0	.1	4.0
11	19.7	28.2	20.9	85.3	16.1	31.0	47.1	2.7
12	17.6	23.8	20.3	86.7	0.0	0.0	0.0	.2
13	17.4	25.3	21.2	84.0	0.0	0.0	0.0	.8
14	17.0	28.6	22.5	74.0	0.0	30.7	30.7	6.4
15	17.6	29.0	22.4	78.7	5.0	0.0	5.0	6.9
16	19.0	29.2	23.1	72.0	0.0	0.0	0.0	7.5
17	16.8	30.0	23.0	65.7	0.0	0.0	0.0	9.5
18	17.8	24.3	20.5	79.7	0.0	6.2	6.2	.6
19	17.2	24.9	20.1	82.0	.2	0.0	.2	2.1
20	17.0	27.5	20.7	76.7	0.0	0.0	0.0	5.5
21	17.3	29.5	21.8	71.7	0.0	0.0	0.0	7.4
22	16.4	27.0	21.0	72.7	0.0	0.0	0.0	2.3
23	17.4	27.4	22.0	79.0	0.0	0.0	0.0	2.9
24	17.2	27.5	22.4	69.7	0.0	8.1	8.1	5.7
25	17.6	28.3	21.6	78.0	.5	7.0	7.5	3.7
26	17.4	22.1	19.0	86.0	8.1	.7	8.8	0.0
27	17.3	27.2	21.3	78.3	0.0	.2	.2	6.0
28	17.0	25.6	20.3	79.0	4.3	0.0	4.3	2.3
29								
30								
31								
TOTAL PROMEDIO	17.8	27.4	21.7	78.2	41.0	130.2	171.2	106.1

ESTACION: CENICAFE

DPTO: CALDAS

LATITUD : 05° 00'N

AÑO : 1990

MPIO: CHINCHINA

LONGITUD: 75° 36'W  
ALTITUD : 1310 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.6	26.5	20.9	77.7	0.0	.1	.1	4.5
2	16.5	28.6	21.2	71.3	0.0	0.0	0.0	7.6
3	17.5	24.2	19.7	82.0	0.0	0.0	0.0	.3
4	15.7	24.9	20.9	77.3	0.0	.5	.5	2.4
5	17.0	27.7	20.9	78.3	0.0	0.0	0.0	3.0
6	16.3	28.8	22.4	71.7	0.0	61.1	61.1	6.3
7	18.0	27.6	22.2	79.7	0.0	0.0	0.0	3.0
8	18.2	29.0	23.1	71.7	0.0	0.0	0.0	5.6
9	18.0	30.6	23.4	68.3	0.0	0.0	0.0	7.7
10	18.2	30.2	23.6	70.0	0.0	0.0	0.0	5.4
11	19.0	27.2	22.5	78.0	0.0	0.0	0.0	.5
12	17.6	29.0	23.7	70.0	0.0	0.0	0.0	5.4
13	19.8	30.5	24.0	73.7	0.0	0.0	0.0	4.3
14	19.3	28.0	23.0	75.3	0.0	0.0	0.0	1.2
15	19.0	26.0	21.7	83.3	0.0	7.7	7.7	0.0
16	18.4	26.7	21.6	87.0	.6	.3	.9	1.2
17	18.6	29.9	21.7	80.3	22.9	54.3	77.2	5.0
18	18.0	24.0	20.5	86.3	0.0	0.0	0.0	0.0
19	18.2	28.1	21.8	77.0	2.6	7.3	9.9	4.0
20	18.3	28.6	22.3	80.3	0.0	38.8	38.8	3.7
21	17.5	21.8	19.2	91.3	1.3	0.0	1.3	0.0
22	17.0	30.0	22.8	68.7	0.0	4.9	4.9	8.9
23	18.9	24.1	20.0	93.0	4.6	21.0	25.6	.4
24	17.9	27.6	21.3	84.3	1.3	0.0	1.3	1.8
25	19.0	22.7	19.2	93.0	16.2	3.4	19.6	.8
26	16.8	22.1	18.5	93.3	3.0	6.8	9.8	0.0
27	15.5	27.0	20.6	80.0	0.0	0.0	0.0	4.9
28	17.2	29.5	21.9	74.3	0.0	0.0	0.0	7.6
29	17.5	30.5	23.0	70.0	0.0	0.0	0.0	9.9
30	19.8	30.8	24.7	67.0	0.0	.5	.5	8.3
31	18.2	29.7	21.5	75.0	10.4	.2	10.6	6.2
TOTAL PROMEDIO	17.9	27.5	21.7	78.4	62.9	206.9	269.8	119.9

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.2	23.5	20.2	89.0	2.0	0.0	2.0	.4
2	16.6	29.2	21.8	73.0	0.0	2.8	2.8	7.1
3	18.0	29.4	22.3	80.7	0.0	2.3	2.3	4.4
4	18.3	26.0	21.1	83.3	.2	.9	1.1	1.4
5	18.0	28.0	22.3	81.0	0.0	37.1	37.1	4.4
6	18.2	25.6	21.0	83.3	0.0	0.0	0.0	.4
7	16.5	29.6	23.0	71.7	0.0	.1	.1	8.7
8	18.7	29.1	22.8	74.7	0.0	0.0	0.0	3.7
9	18.1	29.2	23.2	71.3	0.0	0.0	0.0	6.5
10	18.6	30.0	24.0	70.0	0.0	1.2	1.2	7.2
11	18.9	30.4	24.0	73.0	0.0	99.3	99.3	6.8
12	17.7	29.5	23.5	76.0	0.0	26.0	26.0	5.6
13	18.8	29.9	23.6	78.3	.3	.3	.6	5.7
14	19.3	25.7	22.4	84.3	5.7	0.0	5.7	.7
15	19.1	27.4	22.0	80.7	0.0	15.3	15.3	1.7
16	17.5	24.9	20.7	86.0	0.0	0.0	0.0	.7
17	16.9	28.0	21.4	78.3	21.0	.4	21.4	5.3
18	16.8	28.9	22.3	74.0	0.0	.4	.4	5.5
19	18.4	27.2	22.4	77.3	0.0	0.0	0.0	3.4
20	18.6	26.7	20.4	85.7	16.0	34.2	50.2	2.3
21	17.6	23.2	19.4	90.0	1.3	0.0	1.3	.2
22	16.8	28.3	21.9	74.7	.3	4.7	5.0	5.8
23	17.9	26.8	21.1	82.7	0.0	0.0	0.0	2.8
24	18.1	25.8	21.6	77.3	0.0	0.0	0.0	1.1
25	18.6	25.2	20.7	86.0	3.6	4.0	7.6	.2
26	17.9	28.5	21.6	75.7	7.9	8.9	16.8	4.0
27	17.6	26.5	20.1	87.0	1.1	12.5	13.6	2.8
28	17.2	25.0	20.2	87.0	.9	3.2	4.1	.8
29	17.4	27.5	21.3	83.0	.6	2.1	2.7	4.7
30	17.5	23.2	19.7	91.3	2.5	1.4	3.9	.3
31								
TOTAL PROMEDIO	17.9	27.3	21.7	80.2	63.4	257.1	320.5	104.6

ESTACION: CENICAFE

DPTO: CALDAS

LATITUD : 05° 00'N

ANO : 1990

MPIO: CHINCHINA

LONGITUD: 75° 36'W

ALTITUD : 1310 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.2	27.8	21.4	81.7	0.0	0.0	0.0	3.3
2	17.3	27.0	21.3	76.3	0.0	0.0	0.0	5.0
3	18.4	28.4	20.7	79.3	2.4	0.4	2.8	4.1
4	16.7	27.2	21.4	74.0	0.0	12.3	12.3	2.7
5	18.0	26.2	21.1	79.7	0.0	7.7	7.7	1.7
6	17.9	27.1	21.5	81.3	0.0	0.0	0.0	2.5
7	18.2	30.4	22.8	74.7	0.0	0.0	0.0	5.6
8	19.0	28.5	22.0	84.0	0.0	3.0	3.0	2.4
9	19.1	29.5	23.0	78.3	0.0	0.0	0.0	4.7
10	19.3	29.6	22.9	80.0	0.0	15.7	15.7	6.0
11	18.0	28.7	22.2	79.3	5.0	2.0	7.0	6.5
12	17.7	25.2	21.2	84.3	.1	0.0	.1	1.2
13	17.4	25.8	21.5	83.3	0.0	24.4	24.4	1.6
14	17.9	26.5	21.2	80.7	1.6	0.0	1.6	1.1
15	16.7	27.4	21.1	81.7	0.0	0.0	0.0	3.1
16	18.0	29.2	23.6	72.7	0.0	17.5	17.5	5.7
17	18.2	29.1	22.7	79.7	0.0	.2	.2	5.0
18	19.0	29.0	23.1	76.0	0.0	1.6	1.6	6.1
19	18.9	27.5	22.8	78.7	0.0	0.0	0.0	2.3
20	19.5	28.1	23.1	78.0	0.0	.2	.2	4.0
21	19.9	26.4	22.3	83.0	0.0	3.5	3.5	4.4
22	18.6	26.5	21.7	89.0	.3	0.0	.3	3.0
23	18.5	28.5	22.8	75.7	0.0	1.5	1.5	4.2
24	18.6	26.5	21.0	84.7	17.5	5.2	22.7	3.1
25	18.7	24.5	21.4	92.0	1.0	0.0	1.0	.5
26	17.6	28.6	21.7	79.3	0.0	.3	.3	3.5
27	18.0	26.4	22.3	76.3	.1	13.9	14.0	2.4
28	18.6	26.8	22.0	81.0	.1	18.6	18.7	3.8
29	17.6	24.8	20.4	85.3	11.4	0.0	11.4	2.4
30	15.4	26.6	21.3	75.7	.6	0.0	.6	3.5
31	18.2	28.0	22.3	74.7	0.0	0.0	0.0	5.1
TOTAL PROMEDIO	18.1	27.5	21.9	80.0	40.1	128.0	168.1	106.5

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.3	27.2	21.5	76.0	.3	0.0	.3	2.9
2	16.5	27.8	21.7	77.3	0.0	14.2	14.2	6.0
3	17.7	27.3	21.7	79.3	5.9	4.6	10.5	2.9
4	18.2	27.6	21.8	77.7	11.2	4.9	16.1	3.8
5	17.9	30.0	23.0	74.3	0.0	0.0	0.0	6.8
6	18.4	30.4	23.9	71.0	0.0	0.0	0.0	7.4
7	17.9	29.2	22.8	65.3	0.0	0.0	0.0	6.0
8	17.2	26.4	21.6	81.3	0.0	0.0	0.0	1.5
9	18.5	25.4	21.0	84.0	.8	4.2	5.0	0.0
10	18.2	24.9	20.4	88.0	2.1	2.7	4.8	.6
11	18.5	24.4	21.0	86.0	.3	0.0	.3	0.0
12	18.3	25.2	19.6	89.7	2.6	0.0	2.6	2.7
13	15.9	25.8	19.9	87.3	.8	2.6	3.4	4.3
14	18.1	27.7	22.4	78.7	0.0	1.0	1.0	5.0
15	18.0	27.8	22.0	75.0	.2	24.3	24.5	2.1
16	17.7	27.2	20.9	83.0	0.0	0.0	0.0	2.4
17	17.1	28.0	22.1	78.0	0.0	0.0	0.0	5.8
18	17.4	29.9	22.9	69.0	0.0	0.0	0.0	8.6
19	18.0	29.8	23.2	73.3	0.0	0.0	0.0	7.6
20	18.4	30.0	23.7	71.7	0.0	0.0	0.0	7.5
21	17.8	30.4	23.2	67.0	0.0	0.0	0.0	8.0
22	18.3	28.2	22.9	73.0	0.0	0.0	0.0	3.6
23	18.0	26.8	21.8	78.3	.3	5.7	6.0	2.2
24	18.2	25.7	20.3	83.7	2.4	.9	3.3	1.7
25	16.7	28.4	21.7	75.0	0.0	.1	.1	5.7
26	17.3	28.8	22.6	77.0	0.0	0.0	0.0	5.6
27	19.0	25.5	21.7	80.3	0.0	0.0	0.0	0.0
28	17.0	29.5	22.5	71.0	0.0	0.0	0.0	9.0
29	18.2	30.8	23.7	67.0	0.0	0.0	0.0	6.6
30	18.5	29.0	23.2	66.3	0.0	26.8	26.8	5.9
31								
TOTAL PROMEDIO	17.8	27.3	22.0	76.8	26.9	92.0	118.9	132.2



ESTACION: CENICAFE

DPTO: CALDAS

LATITUD : 05° 00'N

LONGITUD: 75° 36'W

ANO : 1990

MPIO: CHINCHINA

ALTITUD : 1310 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.4	28.5	21.9	73.0	0.0	62.2	62.2	4.2
2	16.8	27.0	21.1	83.0	.2	.7	.9	3.6
3	17.4	28.5	22.5	77.3	0.0	22.0	22.0	4.9
4	17.9	25.5	21.1	82.3	.6	22.4	23.0	1.9
5	17.6	25.0	20.7	83.3	.3	0.0	.3	1.6
6	17.1	28.6	21.4	76.0	0.0	0.0	0.0	4.7
7	17.3	28.2	21.9	69.3	0.0	3.5	3.5	5.3
8	17.2	29.2	22.4	72.0	0.0	.8	.8	7.1
9	16.8	27.9	21.3	79.3	0.0	7.7	7.7	5.6
10	16.7	26.2	20.3	82.0	1.4	0.0	1.4	3.3
11	17.9	27.4	21.3	74.7	0.0	0.0	0.0	3.6
12	16.5	28.4	21.5	76.7	0.0	0.0	0.0	3.8
13	17.6	28.5	21.9	76.3	0.0	8.3	8.3	3.9
14	17.5	25.7	20.9	81.3	.3	0.0	.3	1.8
15	17.7	25.1	20.8	79.0	.3	0.0	.3	2.5
16	17.5	25.9	21.3	79.3	1.8	17.7	19.5	1.3
17	17.3	26.4	21.2	79.0	.4	.3	.7	4.1
18	17.5	27.1	20.9	82.0	.1	30.0	30.1	4.8
19	16.3	28.2	21.1	76.7	0.0	0.0	0.0	6.1
20	15.6	29.6	21.8	71.7	0.0	11.8	11.8	8.1
21	16.4	28.7	22.1	75.3	0.0	0.0	0.0	8.4
22	15.8	25.7	19.6	84.7	1.0	0.0	1.0	3.9
23	16.3	26.4	21.2	78.7	0.0	3.6	3.6	5.0
24	17.0	29.6	22.1	75.7	0.0	0.0	0.0	7.9
25	17.6	29.3	22.4	71.7	0.0	0.0	0.0	6.5
26	18.0	27.6	22.3	72.0	0.0	0.0	0.0	4.1
27	16.4	29.4	23.2	68.7	0.0	0.0	0.0	9.0
28	17.5	29.2	23.4	68.0	0.0	0.0	0.0	6.5
29	17.6	30.4	23.1	71.7	0.0	30.6	30.6	6.6
30	17.5	27.8	21.7	71.7	0.0	0.0	0.0	5.2
31	16.0	28.4	21.5	69.3	0.0	0.0	0.0	6.3
TOTAL PROMEDIO	17.1	27.7	21.6	76.2	6.4	221.6	228.0	151.6

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.6	29.6	22.0	65.3	0.0	.6	.6	9.0
2	17.5	27.4	22.5	73.7	0.0	6.1	6.1	3.2
3	17.4	27.5	22.2	74.7	.1	1.6	1.7	6.3
4	17.6	29.2	22.1	70.0	0.0	0.0	0.0	5.9
5	17.2	28.4	22.0	71.0	0.0	0.0	0.0	4.5
6	16.6	30.6	23.3	66.3	0.0	.6	.6	7.8
7	17.2	30.4	23.3	65.0	0.0	0.0	0.0	8.6
8	18.1	29.2	23.0	70.3	0.0	0.0	0.0	4.8
9	18.0	29.3	23.2	69.3	0.0	0.0	0.0	6.6
10	18.4	27.6	22.7	75.0	.3	4.0	4.3	1.6
11	17.7	30.1	23.3	67.0	0.0	0.0	0.0	7.7
12	17.9	29.6	23.4	67.3	0.0	0.0	0.0	6.5
13	17.5	28.4	21.9	71.7	0.0	9.1	9.1	4.0
14	17.6	27.6	21.2	80.3	.6	0.0	.6	3.3
15	17.4	25.9	21.4	82.7	0.0	0.0	0.0	1.4
16	18.3	30.1	22.9	66.7	0.0	0.0	0.0	6.5
17	18.5	30.9	24.0	64.3	0.0	.2	.2	9.0
18	18.9	27.9	22.8	74.7	0.0	9.2	9.2	3.3
19	18.1	30.5	22.9	73.0	0.0	.4	.4	6.6
20	17.9	27.3	21.8	74.0	0.0	.2	.2	2.8
21	18.4	28.7	22.8	65.7	0.0	0.0	0.0	3.9
22	17.0	30.4	23.4	60.3	0.0	0.0	0.0	6.1
23	17.7	28.9	21.8	70.3	0.0	0.0	0.0	5.6
24	17.4	29.4	22.9	68.7	0.0	0.0	0.0	5.7
25	17.3	31.4	24.1	63.0	0.0	9.9	9.9	8.0
26	16.9	28.2	22.0	72.0	0.0	0.0	0.0	5.1
27	16.8	27.5	22.0	70.0	0.0	.8	.8	4.9
28	17.9	23.6	19.7	85.0	3.2	0.0	3.2	.5
29	15.9	27.5	19.8	84.3	1.1	0.0	1.1	3.5
30	17.8	29.5	22.8	68.3	0.0	5.9	5.9	5.8
31	17.0	29.4	21.8	72.3	0.0	.8	.8	6.4
TOTAL PROMEDIO	17.5	28.8	22.4	71.0	5.3	49.4	54.7	161.9

ESTACION: GENICAFE

DPTO: CALDAS

LATITUD : 05° 00'N

AÑO : 1990

MPIO: CHINCHINA

LONGITUD: 75° 36'W

ALTITUD : 1310 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.7	29.1	23.1	69.0	0.0	8.4	8.4	5.8
2	16.7	26.7	20.9	78.0	.3	0.0	.3	4.3
3	17.8	28.2	22.0	73.3	0.0	0.0	0.0	5.4
4	17.4	29.0	22.7	68.0	0.0	0.0	0.0	4.4
5	17.0	30.5	23.0	66.0	0.0	0.0	0.0	7.9
6	19.3	28.7	22.7	71.0	.5	0.0	.5	5.4
7	18.5	29.9	22.9	69.3	0.0	0.0	0.0	6.0
8	18.0	28.4	22.4	68.0	1.1	0.0	1.1	5.7
9	17.4	26.7	21.8	76.7	.2	0.0	.2	2.9
10	18.0	28.7	22.1	74.7	.3	0.0	.3	3.7
11	16.9	28.0	22.3	72.3	0.0	28.0	28.0	3.0
12	16.4	27.4	21.7	74.0	0.0	3.7	3.7	5.0
13	17.8	29.2	23.2	67.7	0.0	5.0	5.0	6.6
14	17.6	25.5	20.6	81.3	2.0	0.0	2.0	2.1
15	16.3	28.3	22.2	66.7	0.0	0.0	0.0	2.7
16	17.4	26.8	21.4	70.3	0.0	0.0	0.0	3.2
17	16.0	29.4	22.4	65.0	0.0	0.0	0.0	6.3
18	17.4	30.5	23.5	62.0	0.0	.4	.4	6.6
19	17.5	29.0	22.2	73.7	0.0	2.8	2.8	3.0
20	17.4	29.3	21.7	75.7	0.0	0.0	0.0	4.0
21	17.7	28.2	21.8	72.0	0.0	4.1	4.1	4.5
22	17.0	26.5	21.5	73.7	0.0	2.2	2.2	1.8
23	18.0	27.1	21.3	78.3	1.2	0.0	1.2	2.9
24	15.9	27.9	21.0	75.7	0.0	0.0	0.0	3.4
25	17.6	28.3	21.1	75.7	0.0	0.0	0.0	2.3
26	15.5	29.3	21.4	68.3	0.0	.1	.1	6.0
27	16.5	29.0	21.4	78.0	0.0	4.4	4.4	6.2
28	17.6	28.6	22.5	73.0	0.0	.1	.1	5.0
29	18.8	28.7	22.6	72.3	0.0	0.0	0.0	1.8
30	17.7	29.2	21.9	72.0	.1	15.5	15.6	4.2
31								
TOTAL PROMEDIO	17.4	28.4	22.0	72.1	5.7	74.7	80.4	132.3

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.4	26.6	20.9	80.3	.1	10.0	10.1	3.9
2	17.5	24.9	20.6	80.7	.8	0.0	.8	4.7
3	17.6	27.4	21.6	76.3	0.0	0.0	0.0	4.2
4	18.0	27.6	21.6	72.0	0.0	39.1	39.1	3.3
5	16.8	23.2	18.7	87.7	2.2	0.0	2.2	.2
6	15.5	26.7	20.5	74.3	.6	0.0	.6	5.0
7	17.6	25.7	21.0	82.0	0.0	20.5	20.5	.5
8	17.0	26.0	20.9	79.7	0.0	0.0	0.0	3.5
9	17.5	25.6	20.4	81.7	1.8	6.7	8.5	3.2
10	17.2	25.7	19.5	86.3	13.1	1.9	15.0	2.2
11	16.7	27.2	20.5	80.7	0.0	21.0	21.0	1.9
12	16.5	24.6	19.7	81.3	.9	3.1	4.0	.9
13	16.0	27.8	19.6	82.7	22.0	8.2	30.2	2.7
14	17.3	26.5	21.4	80.3	0.0	4.0	4.0	5.5
15	17.1	25.4	20.3	83.3	.5	0.0	.5	1.0
16	17.0	28.5	21.8	75.3	0.0	16.4	16.4	7.4
17	16.8	26.4	20.8	77.3	0.0	0.0	0.0	3.4
18	15.5	28.2	20.8	72.0	0.0	0.0	0.0	5.2
19	17.5	27.4	22.1	76.7	0.0	26.7	26.7	3.1
20	16.4	26.1	18.9	87.0	.8	.9	1.7	3.0
21	16.5	26.8	20.3	76.3	5.8	0.0	5.8	4.3
22	17.5	21.2	18.7	94.3	2.6	0.0	2.6	.4
23	15.6	27.5	21.1	70.7	0.0	0.0	0.0	6.1
24	17.5	24.4	20.4	82.7	0.0	0.0	0.0	.5
25	17.2	28.9	21.7	69.7	0.0	19.8	19.8	6.9
26	16.5	27.4	21.0	73.3	0.0	0.0	0.0	7.0
27	16.2	28.7	20.9	73.3	1.9	.1	2.0	5.5
28	17.5	27.2	19.9	82.7	45.9	4.5	50.4	4.1
29	16.7	23.6	19.8	84.3	0.0	0.0	0.0	1.2
30	16.6	27.6	20.6	78.3	0.0	34.0	34.0	4.3
31	16.8	26.5	20.4	77.7	.4	0.0	.4	4.4
TOTAL PROMEDIO	16.9	26.4	20.5	79.4	99.4	216.9	316.3	105.5

ESTACION: GENICAFE

DPTO: CALDAS

LATITUD : 05° 00'N

AÑO : 1990

MPIO: CHINCHINA

LONGITUD: 75° 36'W  
ALTITUD : 1310 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.1	27.1	20.2	83.3	.1	10.3	10.4	4.8
2	17.3	27.3	20.6	81.7	1.3	18.2	19.5	1.5
3	17.4	26.5	20.7	82.0	3.5	38.5	42.0	2.3
4	16.2	22.2	19.3	89.3	2.6	0.0	2.6	.1
5	17.4	27.0	20.3	76.7	.2	0.0	.2	3.5
6	15.7	27.5	21.0	72.0	0.0	0.0	0.0	7.7
7	17.5	28.4	22.1	73.0	0.0	0.0	0.0	5.2
8	17.6	28.6	22.8	72.7	0.0	16.1	16.1	6.9
9	17.0	27.0	21.8	71.7	0.0	48.9	48.9	6.1
10	16.9	27.2	20.8	82.0	.1	0.0	.1	4.9
11	17.4	26.5	20.9	78.0	0.0	0.0	0.0	2.3
12	17.0	28.2	22.5	73.3	0.0	0.0	0.0	2.7
13	18.4	28.4	22.6	75.3	0.0	0.0	0.0	5.2
14	18.5	29.4	22.7	73.7	0.0	.3	.3	5.5
15	18.5	27.3	22.6	75.0	0.0	0.0	0.0	3.4
16	18.3	28.4	22.7	75.7	0.0	29.1	29.1	4.2
17	17.1	24.2	20.0	90.0	.8	3.3	4.1	1.6
18	17.8	23.2	19.3	88.0	3.4	0.0	3.4	.2
19	15.0	28.9	21.6	74.0	0.0	.7	.7	9.7
20	18.5	26.6	21.4	84.0	1.7	1.5	3.2	3.0
21	18.2	25.2	18.0	85.7	32.9	1.5	34.4	2.5
22	14.5	25.4	19.1	83.7	0.0	0.0	0.0	3.1
23	16.0	27.4	21.0	75.7	0.0	16.7	16.7	4.6
24	16.1	25.2	19.7	81.7	13.2	0.0	13.2	3.6
25	16.0	28.9	21.7	71.7	0.0	.7	.7	8.8
26	17.6	26.2	20.9	79.3	0.0	1.4	1.4	3.7
27	16.5	25.6	20.8	79.7	0.0	0.0	0.0	2.1
28	18.0	23.9	20.4	84.0	0.0	1.8	1.8	.8
29	17.4	27.7	21.4	75.3	2.1	5.7	7.8	7.2
30	17.2	26.5	20.9	81.0	0.0	0.0	0.0	3.7
31								
TOTAL PROMEDIO	17.1	26.7	21.0	79.0	61.9	194.7	256.6	120.9

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	28.3	21.3	76.0	.8	18.8	19.6	5.0
2	17.8	26.2	20.0	81.7	7.5	.3	7.8	2.3
3	17.5	25.9	20.8	82.3	.5	1.1	1.6	2.2
4	17.3	25.4	20.4	83.7	5.0	37.4	42.4	2.3
5	17.4	22.2	18.6	89.7	26.4	4.6	31.0	.2
6	16.2	25.9	20.1	84.0	0.0	0.0	0.0	3.1
7	16.4	27.0	20.6	76.0	0.0	.2	.2	5.4
8	16.0	24.5	19.5	80.0	4.4	.6	5.0	2.4
9	14.5	28.1	20.5	77.0	0.0	4.7	4.7	8.7
10	16.0	28.0	20.9	74.3	0.0	0.0	0.0	8.6
11	17.4	28.3	21.5	74.3	.5	0.0	.5	8.2
12	16.2	27.4	21.4	69.3	0.0	0.0	0.0	7.0
13	16.5	28.4	21.1	70.3	0.0	0.0	0.0	6.6
14	17.5	28.0	21.7	79.7	0.0	0.0	0.0	4.7
15	16.5	29.9	22.3	65.7	0.0	0.0	0.0	9.6
16	17.2	28.2	21.6	76.3	0.0	0.0	0.0	6.4
17	17.8	29.3	22.4	72.7	0.0	0.0	0.0	6.4
18	17.6	29.4	22.2	70.7	0.0	0.0	0.0	8.0
19	16.7	26.7	21.2	76.7	0.0	0.0	0.0	2.6
20	16.8	30.2	22.8	71.0	0.0	0.0	0.0	9.0
21	17.0	27.8	21.9	72.3	0.0	0.0	0.0	3.0
22	16.8	27.0	21.4	74.7	0.0	0.0	0.0	3.4
23	16.7	29.0	21.9	72.3	0.0	0.0	0.0	6.4
24	18.0	24.9	21.2	81.0	.2	23.3	23.5	.4
25	17.0	27.0	21.2	76.3	0.0	0.0	0.0	4.7
26	17.4	28.5	21.9	76.0	0.0	19.4	19.4	4.3
27	16.6	24.4	20.4	80.0	0.0	.4	.4	.1
28	17.5	24.2	20.8	84.0	.3	0.0	.3	.6
29	16.7	28.1	21.7	74.0	0.0	0.0	0.0	3.8
30	16.3	28.5	21.6	75.7	3.8	.7	4.5	5.9
31	16.8	26.7	21.5	70.3	0.0	8.3	8.3	5.8
TOTAL PROMEDIO	16.9	27.2	21.2	76.4	49.4	119.8	169.2	147.1

ESTACION: CENICAFE

DPTO: CALDAS

LATITUD : 05° 00'N

AÑO : 1990

MPIO: CHINCHINA

LONGITUD: 75° 36'W

ALTITUD : 1310 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	BRILLO SOL(h)
ENERO	17.4	27.8	21.6	15.4	32.0	76.8	145.3	15	143.7
FEBRERO	17.8	27.4	21.7	16.4	30.1	78.2	171.2	17	106.1
MARZO	17.9	27.5	21.7	15.5	30.8	78.4	269.8	16	119.9
ABRIL	17.9	27.3	21.7	16.5	30.4	80.2	320.5	23	104.6
MAYO	18.1	27.5	21.9	15.4	30.4	80.0	168.1	23	106.5
JUNIO	17.8	27.8	22.0	15.9	30.8	76.8	118.9	15	132.2
JULIO	17.1	27.7	21.6	15.6	30.4	76.2	228.0	19	151.6
AGOSTO	17.5	28.8	22.4	15.6	31.4	71.0	54.7	17	161.9
SEPTIEMBRE	17.4	28.4	22.0	15.5	30.5	72.1	80.4	19	132.3
OCTUBRE	16.9	26.4	20.5	15.5	28.9	79.4	316.3	23	105.5
NOVIEMBRE	17.1	26.7	21.0	14.5	29.4	79.0	256.6	21	120.9
DICIEMBRE	16.9	27.2	21.2	14.5	30.2	76.4	169.2	15	147.1
PROMEDIO	17.5	27.5	21.6			77.0			
ABSOLUTA				14.5	32.0				
TOTAL							2299.0	223	1532.3

ESTACION: NARANJAL

DPTO: CALDAS

LATITUD : 04° 59'N

LONGITUD: 75° 39'W

AÑO : 1990

MPIO: CHINCHINA

ALTITUD : 1400 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.3	26.2	20.6	76.7	0.0	4.5	4.5	5.1
2	16.8	26.8	21.1	74.7	.1	0.0	.1	7.8
3	16.9	25.6	21.0	79.0	0.0	0.0	0.0	3.1
4	15.9	26.8	21.5	72.0	0.0	0.0	0.0	5.7
5	16.3	25.0	20.3	80.0	0.0	0.0	0.0	1.1
6	16.8	26.7	20.4	78.7	21.4	0.0	21.4	5.8
7	16.9	27.0	19.9	81.7	0.0	20.0	20.0	4.5
8	17.2	21.8	18.8	87.3	15.4	0.0	15.4	0.0
9	16.5	26.2	21.0	78.0	0.0	0.0	0.0	4.7
10	17.4	25.9	21.2	76.7	0.0	0.0	0.0	2.7
11	17.5	26.1	21.4	76.0	0.0	38.3	38.3	2.8
12	16.0	23.2	18.2	87.7	31.8	0.0	31.8	0.0
13	15.0	25.4	20.3	75.3	0.0	0.0	0.0	5.1
14	16.7	27.0	21.3	75.0	0.0	0.0	0.0	4.9
15	17.0	28.4	22.6	75.0	0.0	.3	.3	6.9
16	17.5	28.7	22.5	74.7	0.0	11.7	11.7	4.4
17	18.0	29.0	22.2	80.0	0.0	30.8	30.8	5.7
18	17.5	27.4	21.5	80.7	.9	.9	1.8	6.2
19	18.3	26.4	21.7	81.3	0.0	0.0	0.0	2.4
20	18.0	28.5	22.3	75.0	0.0	0.0	0.0	6.5
21	16.5	27.8	21.8	72.7	0.0	0.0	0.0	6.0
22	18.0	25.0	20.2	84.7	0.0	0.0	0.0	2.8
23	15.8	29.8	22.4	72.7	0.0	0.0	0.0	8.3
24	17.0	28.3	21.4	77.7	0.0	0.0	0.0	4.0
25	16.8	30.8	23.9	64.3	0.0	12.3	12.3	9.2
26	17.0	22.4	19.9	88.0	2.5	0.0	2.5	0.0
27	17.1	28.3	22.5	71.7	0.0	0.0	0.0	6.7
28	16.6	29.4	23.0	72.0	0.0	0.0	0.0	8.9
29	18.6	30.0	23.0	75.0	0.0	.1	.1	7.4
30	18.4	28.4	22.9	76.0	0.0	.1	.1	3.9
31	18.5	28.2	22.5	76.3	0.0	0.0	0.0	1.3
TOTAL PROMEDIO	17.1	27.0	21.4	77.3	72.1	119.0	191.1	143.9

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.9	29.0	22.8	75.7	0.0	0.0	0.0	6.1
2	17.8	27.0	21.6	79.7	.2	1.8	2.0	.5
3	18.0	27.3	22.8	75.0	0.0	0.0	0.0	3.3
4	19.7	26.2	22.8	78.0	.6	9.4	10.0	.9
5	18.0	25.4	20.4	85.7	2.2	6.6	8.8	1.7
6	17.0	26.0	20.8	82.3	0.0	0.0	0.0	3.9
7	17.5	29.2	22.3	77.0	0.0	27.3	27.3	4.2
8	18.5	28.5	22.4	74.7	2.3	21.8	24.1	3.5
9	17.2	26.2	21.2	82.0	0.0	31.6	31.6	5.2
10	17.8	27.0	21.7	82.7	1.5	0.0	1.5	3.6
11	19.0	28.2	22.0	80.7	5.4	39.1	44.5	3.1
12	18.0	23.2	20.1	89.7	.3	0.0	.3	.1
13	17.8	25.0	21.1	83.3	0.0	0.0	0.0	.4
14	16.8	28.3	22.0	68.7	0.0	5.0	5.0	6.8
15	18.3	28.1	22.3	74.3	1.7	3.5	5.2	6.3
16	18.8	28.7	22.3	74.0	.3	0.0	.3	7.3
17	17.4	28.8	22.6	68.3	0.0	0.0	0.0	9.6
18	17.3	24.3	20.1	80.7	0.0	6.1	6.1	1.3
19	16.5	24.5	19.8	81.3	3.1	.8	3.9	1.3
20	16.6	27.4	20.7	79.3	0.0	0.0	0.0	5.8
21	16.9	28.5	21.6	72.3	0.0	0.0	0.0	7.3
22	15.8	27.2	20.8	73.3	0.0	0.0	0.0	3.7
23	17.5	26.8	21.6	75.3	.6	0.0	.6	2.4
24	16.8	26.2	20.9	76.3	0.0	5.0	5.0	5.1
25	17.0	27.4	20.7	78.0	17.2	4.0	21.2	3.5
26	17.0	22.1	18.7	87.0	6.4	0.0	6.4	.2
27	16.6	26.5	21.6	77.3	0.0	0.0	0.0	4.4
28	17.6	25.0	20.4	76.7	7.2	0.0	7.2	1.6
29								
30								
31								
TOTAL PROMEDIO	17.5	26.7	21.3	78.2	49.0	162.0	211.0	103.1

ESTACION: NARANJAL

DPTO: CALDAS

LATITUD : 04° 59'N

AÑO : 1990

MPIO: CHINCHINA

LONGITUD: 75° 39'W

ALTITUD : 1400 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.4	25.5	20.1	79.0	0.0	0.0	0.0	4.1
2	16.5	28.0	21.2	70.7	0.0	.5	.5	7.4
3	17.8	24.2	19.9	80.0	5.3	0.0	5.3	.2
4	15.7	24.6	20.3	78.0	0.0	0.0	0.0	1.6
5	16.8	26.2	20.5	77.7	.2	0.0	.2	3.3
6	15.8	28.7	22.2	75.0	0.0	32.0	32.0	6.8
7	17.8	27.2	22.6	81.7	0.0	2.2	2.2	3.7
8	18.0	28.1	23.2	73.0	0.0	0.0	0.0	5.5
9	17.5	29.6	22.9	69.7	0.0	0.0	0.0	7.3
10	18.0	30.0	23.2	68.7	0.0	0.0	0.0	5.1
11	18.5	27.0	23.0	76.0	0.0	0.0	0.0	.2
12	17.2	30.2	24.7	64.3	0.0	0.0	0.0	7.2
13	19.7	28.9	24.0	76.0	0.0	0.0	0.0	3.1
14	18.2	27.0	22.6	71.3	0.0	0.0	0.0	2.3
15	18.4	25.2	21.4	83.0	4.1	.4	4.5	0.0
16	18.5	26.2	21.3	80.7	1.1	0.0	1.1	2.2
17	18.0	29.2	22.4	78.3	1.4	52.8	54.2	3.6
18	17.5	23.6	20.2	86.7	.3	0.0	.3	0.0
19	17.8	27.6	21.8	76.3	1.1	4.0	5.1	4.2
20	19.2	29.1	22.6	76.3	0.0	34.9	34.9	4.3
21	18.6	21.5	19.2	94.7	1.9	0.0	1.9	0.0
22	17.0	30.0	22.8	71.0	0.0	11.2	11.2	8.2
23	19.0	23.2	19.6	92.7	11.0	2.9	13.9	.3
24	17.2	26.2	20.9	81.7	.5	0.0	.5	2.3
25	18.6	20.8	18.8	92.0	19.0	4.2	23.2	.9
26	16.2	22.0	18.7	91.0	3.1	7.8	10.9	0.0
27	15.1	26.4	20.3	80.0	0.0	0.0	0.0	5.3
28	17.6	28.9	22.0	69.0	0.0	0.0	0.0	8.5
29	17.8	30.0	23.6	67.7	0.0	0.0	0.0	10.4
30	19.8	29.9	24.2	69.7	0.0	0.0	0.0	8.1
31	18.8	29.0	21.5	79.3	13.2	1.0	14.2	6.2
TOTAL PROMEDIO	17.7	26.9	21.6	77.8	62.2	153.9	216.1	122.3

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.2	24.6	20.7	83.3	3.5	0.0	3.5	.9
2	16.6	28.4	21.9	73.3	1.1	2.4	3.5	6.7
3	18.4	28.5	22.8	75.0	.5	10.2	10.7	5.1
4	18.6	27.2	21.0	82.7	5.3	35.9	41.2	1.4
5	17.8	27.1	22.5	80.7	2.6	43.8	46.4	3.4
6	18.2	26.1	21.0	82.3	.3	0.0	.3	.8
7	16.8	29.4	23.0	70.0	0.0	6.6	6.6	7.8
8	18.2	28.2	22.8	72.7	0.0	0.0	0.0	3.9
9	18.0	29.4	24.2	66.7	0.0	0.0	0.0	5.7
10	18.5	29.0	24.1	66.0	0.0	3.3	3.3	6.5
11	18.4	28.9	23.4	74.3	0.0	20.9	20.9	5.5
12	18.0	27.6	23.2	78.7	3.8	60.5	64.3	5.5
13	18.2	29.0	23.3	79.3	.2	30.5	30.7	6.1
14	17.5	25.4	21.7	81.7	2.6	0.0	2.6	1.1
15	18.5	28.0	21.6	80.0	0.0	21.5	21.5	2.2
16	16.8	24.8	20.4	85.7	0.0	0.0	0.0	.3
17	16.9	27.5	21.6	79.3	1.4	.7	2.1	5.3
18	17.0	28.5	22.1	72.0	0.0	.3	.3	5.1
19	18.0	26.4	22.8	75.3	0.0	0.0	0.0	3.0
20	18.5	26.1	20.7	83.7	39.7	33.3	73.0	2.5
21	17.4	22.1	19.7	84.0	0.0	0.0	0.0	.2
22	16.2	27.2	21.4	77.3	5.3	8.2	13.5	6.6
23	17.0	25.4	21.0	80.7	0.0	.8	.8	2.4
24	17.8	25.5	21.7	73.3	0.0	3.5	3.5	.6
25	18.5	25.1	20.5	86.0	9.3	4.1	13.4	.2
26	17.5	28.2	21.7	77.7	.1	20.2	20.3	4.2
27	17.0	25.5	20.1	88.7	1.9	19.8	21.7	3.2
28	16.9	23.8	20.3	84.3	.5	4.0	4.5	.1
29	17.0	26.0	21.2	84.3	.8	1.8	2.6	4.8
30	16.8	22.0	19.4	90.7	5.0	.6	5.6	0.0
31								
TOTAL PROMEDIO	17.6	26.7	21.7	79.0	83.9	332.9	416.8	101.1

ESTACION: NARANJAL

DPTO: CALDAS

LATITUD : 04° 59'N

AÑO : 1990

MPIO: CHINCHINA

LONGITUD: 75° 39'W

ALTITUD : 1400 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.1	26.9	21.1	80.7	.8	.1	.9	3.2
2	16.8	26.2	21.6	77.0	.3	0.0	.3	4.2
3	17.8	27.4	20.4	77.3	2.3	2.0	4.3	3.8
4	16.2	25.5	20.7	80.7	.4	13.2	13.6	2.5
5	17.0	25.2	20.4	82.7	1.0	9.5	10.5	2.4
6	17.5	25.8	21.3	84.0	0.0	0.0	0.0	2.8
7	18.0	29.4	23.3	77.7	0.0	0.0	0.0	6.1
8	19.2	26.5	21.8	83.7	0.0	20.9	20.9	1.7
9	18.5	28.2	22.4	78.0	0.0	36.6	36.6	4.2
10	18.0	28.0	22.1	78.3	0.0	52.5	52.5	6.3
11	16.8	27.3	20.5	80.3	.2	9.7	9.9	5.6
12	17.2	24.9	20.8	82.0	0.0	3.7	3.7	.8
13	17.5	25.1	21.7	83.0	0.0	23.8	23.8	1.3
14	17.0	26.2	21.4	79.3	0.0	0.0	0.0	1.2
15	16.8	26.5	21.1	77.7	0.0	0.0	0.0	2.9
16	17.4	29.5	24.1	65.3	0.0	49.0	49.0	6.4
17	17.8	27.6	22.2	79.7	1.1	0.0	1.1	5.0
18	18.0	29.0	23.5	69.3	0.0	0.0	0.0	7.9
19	19.0	27.0	22.4	77.3	0.0	0.0	0.0	3.0
20	18.7	27.6	23.3	73.0	0.0	16.9	16.9	4.1
21	18.9	25.8	22.3	82.0	.9	1.2	2.1	.6
22	19.0	26.2	22.5	82.0	.5	0.0	.5	3.3
23	18.5	27.0	22.2	72.3	.1	24.4	24.5	3.6
24	17.8	26.2	21.5	81.7	.5	.3	.8	2.8
25	18.8	24.2	21.5	85.0	.3	0.0	.3	.2
26	16.7	28.3	22.0	73.0	0.0	2.4	2.4	4.5
27	17.5	25.8	22.1	80.0	0.0	8.0	8.0	2.7
28	18.5	26.8	21.9	76.7	0.0	54.8	54.8	4.2
29	16.9	23.6	19.7	84.7	11.5	0.0	11.5	1.6
30	15.2	26.0	21.1	74.7	0.0	0.0	0.0	2.3
31	17.5	27.2	22.3	72.0	.4	3.3	3.7	4.9
TOTAL PROMEDIO	17.7	26.7	21.8	78.4	20.3	332.3	352.6	106.1

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.8	26.7	20.2	81.0	6.2	.1	6.3	2.6
2	16.8	27.8	21.3	75.0	0.0	.8	.8	6.3
3	18.2	26.8	21.7	78.7	10.5	1.0	11.5	1.5
4	17.8	28.2	21.9	73.0	6.6	0.0	6.6	3.6
5	18.5	31.0	23.2	69.3	1.8	0.0	1.8	6.2
6	18.0	31.2	23.7	70.0	0.0	0.0	0.0	7.6
7	17.0	29.8	22.3	66.0	0.0	0.0	0.0	5.0
8	16.0	25.5	21.6	79.7	0.0	0.0	0.0	1.1
9	17.5	25.0	20.8	84.3	0.0	13.0	13.0	0.0
10	18.0	25.2	20.6	85.7	2.9	1.9	4.8	.7
11	18.4	24.8	21.4	84.3	.3	0.0	.3	0.0
12	18.6	24.7	20.2	87.3	2.1	0.0	2.1	2.9
13	16.0	26.2	20.1	80.3	7.6	1.5	9.1	3.2
14	18.0	27.0	22.3	78.7	.1	0.0	.1	3.6
15	17.8	28.6	22.3	75.7	0.0	26.9	26.9	3.7
16	17.0	26.3	20.3	80.7	16.8	0.0	16.8	5.3
17	16.4	27.2	20.4	84.0	.7	0.0	.7	5.1
18	16.8	29.3	23.2	71.0	0.0	0.0	0.0	7.8
19	17.2	30.0	24.0	70.3	0.0	0.0	0.0	8.9
20	17.8	29.2	23.0	76.3	0.0	0.0	0.0	6.7
21	17.2	29.9	23.2	67.3	0.0	0.0	0.0	7.4
22	17.8	28.4	23.3	71.7	0.0	0.0	0.0	6.3
23	17.0	26.3	21.5	81.0	0.0	2.6	2.6	1.5
24	18.0	26.0	20.4	79.7	1.4	0.0	1.4	1.4
25	16.5	28.2	22.2	74.0	0.0	3.5	3.5	4.6
26	17.0	28.8	22.1	73.7	0.0	0.0	0.0	5.1
27	18.4	25.4	21.0	81.3	.9	0.0	.9	0.0
28	16.7	29.1	22.4	74.3	0.0	0.0	0.0	8.2
29	17.8	30.1	23.2	65.3	0.0	0.0	0.0	8.0
30	17.9	29.0	22.9	73.0	0.0	4.1	4.1	5.6
31								
TOTAL PROMEDIO	17.5	27.7	21.9	76.4	57.9	55.4	113.3	129.9

ESTACION: NARANJAL

DPTO: CALDAS

LATITUD : 04° 59'N

ANO : 1990

MPIO: CHINCHINA

LONGITUD: 75° 39'W

ALTITUD : 1400 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.7	28.0	22.3	74.3	0.0	23.3	23.3	5.0
2	17.0	27.6	21.3	79.7	0.0	2.6	2.6	3.2
3	17.5	28.9	23.4	73.7	0.0	66.7	66.7	5.6
4	17.0	25.1	21.2	82.0	1.1	13.4	14.5	1.9
5	17.5	24.0	20.5	84.7	.6	0.0	.6	1.1
6	16.3	27.0	21.1	76.0	0.0	0.0	0.0	4.5
7	17.0	27.2	21.3	73.7	2.7	26.8	29.5	5.7
8	16.7	28.3	22.2	72.0	0.0	1.7	1.7	7.7
9	16.8	27.5	21.5	71.3	0.0	21.0	21.0	6.8
10	17.0	25.6	20.6	80.7	.8	0.0	.8	3.4
11	17.8	26.5	20.8	79.0	0.0	0.0	0.0	4.4
12	16.5	28.0	21.7	76.3	0.0	8.2	8.2	4.6
13	17.0	28.2	21.6	79.7	0.0	0.0	0.0	4.9
14	16.9	25.8	21.1	77.3	0.0	.4	.4	1.6
15	17.7	25.5	21.2	77.3	3.0	0.0	3.0	2.3
16	17.8	26.2	20.8	81.3	1.5	5.6	7.1	2.0
17	17.6	26.8	21.8	75.7	.6	1.1	1.7	4.8
18	16.8	27.2	20.5	82.7	.5	22.4	22.9	4.4
19	15.9	27.0	21.0	70.0	0.0	0.0	0.0	5.9
20	15.7	28.8	22.1	67.3	0.0	17.3	17.3	8.7
21	16.0	28.2	21.5	73.0	0.0	0.0	0.0	7.3
22	15.8	25.8	19.8	81.3	.6	0.0	.6	4.0
23	15.6	26.8	21.2	75.0	0.0	1.6	1.6	6.7
24	17.2	28.9	22.8	70.7	0.0	2.1	2.1	8.0
25	17.1	28.8	22.9	68.3	0.0	0.0	0.0	7.5
26	17.0	27.5	22.3	72.7	0.0	0.0	0.0	3.3
27	16.0	29.2	22.5	63.7	0.0	0.0	0.0	8.1
28	17.0	28.4	23.1	67.7	0.0	0.0	0.0	7.5
29	17.2	30.0	23.3	64.7	0.0	.3	.3	7.5
30	17.5	27.2	22.4	70.3	0.0	0.0	0.0	6.2
31	15.8	27.9	22.2	66.7	0.0	0.0	0.0	7.5
TOTAL PROMEDIO	16.8	27.4	21.7	74.5	11.4	214.5	225.9	163.1

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.9	29.8	22.3	61.7	0.0	.2	.2	9.1
2	17.0	27.4	22.8	70.0	0.0	8.2	8.2	2.4
3	17.2	27.2	21.9	72.3	0.0	1.3	1.3	6.0
4	17.3	28.1	21.9	73.3	0.0	0.0	0.0	5.9
5	16.8	28.3	21.7	67.3	0.0	0.0	0.0	4.0
6	16.0	30.7	24.3	63.0	0.0	0.0	0.0	8.8
7	17.8	29.8	22.5	66.0	0.0	0.0	0.0	9.3
8	17.6	30.0	23.5	69.7	0.0	.4	.4	4.3
9	17.7	29.0	23.3	69.0	0.0	0.0	0.0	7.2
10	18.0	27.4	22.3	76.7	0.0	15.4	15.4	1.0
11	17.2	28.8	22.7	67.0	0.0	0.0	0.0	7.9
12	17.3	28.6	23.7	63.3	0.0	0.0	0.0	7.6
13	16.8	27.8	21.1	73.0	0.0	7.2	7.2	3.2
14	17.0	26.9	20.6	75.3	1.1	0.0	1.1	4.3
15	16.2	26.0	20.9	80.3	0.0	1.7	1.7	1.0
16	17.8	29.4	22.8	70.7	0.0	0.0	0.0	6.5
17	17.5	30.1	23.7	67.0	0.0	1.2	1.2	8.6
18	18.1	27.8	22.9	72.3	0.0	1.4	1.4	.6
19	18.0	30.2	22.7	70.3	.4	6.4	6.8	5.2
20	16.9	28.0	22.3	71.3	0.0	0.0	0.0	2.9
21	18.4	29.0	23.7	60.0	0.0	0.0	0.0	3.6
22	16.9	28.8	23.3	58.3	0.0	0.0	0.0	5.9
23	17.0	29.0	21.7	65.3	0.0	0.0	0.0	5.4
24	16.9	28.7	22.6	66.7	0.0	0.0	0.0	6.2
25	16.8	30.4	23.2	62.0	0.0	8.8	8.8	8.9
26	16.6	28.7	21.7	69.0	0.0	0.0	0.0	4.3
27	16.5	28.2	22.6	68.7	0.0	1.8	1.8	5.3
28	17.0	24.7	19.3	82.3	11.0	0.0	11.0	1.0
29	15.9	25.8	20.3	80.0	.8	0.0	.8	3.8
30	17.8	28.6	22.5	70.7	0.0	11.8	11.8	5.3
31	16.7	28.8	21.5	68.7	0.0	0.0	0.0	5.9
TOTAL PROMEDIO	17.1	28.5	22.3	69.4	13.3	65.8	79.1	161.4



ESTACION: NARANJAL

DPTO: CALDAS

LATITUD : 04° 59'N

LONGITUD: 75° 39'W

AÑO : 1990

MPIO: CHINCHINA

ALTITUD : 1400 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.9	28.2	23.2	66.3	0.0	26.9	26.9	6.9
2	16.4	26.4	21.2	72.3	0.0	0.0	0.0	5.1
3	17.6	28.2	21.8	74.0	0.0	0.0	0.0	5.1
4	16.8	29.5	22.6	67.0	0.0	0.0	0.0	5.0
5	16.6	29.2	22.9	66.0	0.0	0.0	0.0	9.3
6	18.5	27.4	22.3	75.7	.1	0.0	.1	3.6
7	17.8	29.1	22.2	71.0	0.0	0.0	0.0	5.9
8	17.2	28.3	22.0	67.0	.3	0.0	.3	5.2
9	16.5	27.2	21.5	72.3	.2	.1	.3	2.5
10	17.5	28.1	21.7	74.3	0.0	.5	.5	2.6
11	16.6	28.0	21.9	75.3	0.0	35.9	35.9	2.0
12	16.4	27.0	21.5	72.7	0.0	29.2	29.2	5.1
13	17.0	29.0	22.4	68.3	0.0	4.0	4.0	7.4
14	17.2	25.0	19.7	87.7	.2	0.0	.2	1.9
15	16.0	27.8	21.9	66.7	0.0	0.0	0.0	3.5
16	17.0	26.2	20.3	75.0	0.0	0.0	0.0	3.0
17	15.8	29.8	23.1	61.3	0.0	0.0	0.0	7.6
18	17.4	31.2	23.7	60.0	0.0	0.0	0.0	6.8
19	17.8	28.2	22.5	73.0	0.0	2.1	2.1	3.7
20	17.0	28.3	21.8	73.7	0.0	0.0	0.0	3.5
21	17.5	28.0	21.5	72.3	0.0	5.1	5.1	5.1
22	16.5	26.6	21.0	73.7	0.0	7.0	7.0	2.7
23	17.6	26.2	20.5	78.7	.3	0.0	.3	1.9
24	15.6	26.0	21.0	70.7	0.0	0.0	0.0	4.8
25	18.0	28.0	20.9	73.0	1.2	0.0	1.2	2.8
26	15.2	29.0	21.5	70.3	.2	4.1	4.3	6.1
27	16.5	27.6	21.7	73.3	0.0	1.8	1.8	5.6
28	17.5	28.2	22.6	71.7	0.0	0.0	0.0	3.6
29	17.6	28.5	22.5	69.7	0.0	0.0	0.0	3.5
30	17.0	27.5	21.8	74.3	.6	5.6	6.2	2.1
31								
TOTAL PROMEDIO	17.0	27.9	21.8	71.6	3.1	122.3	125.4	133.9

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.9	26.5	21.1	77.7	0.0	46.1	46.1	3.3
2	17.2	24.4	19.9	79.7	3.0	.1	3.1	.4
3	17.5	27.1	21.3	73.3	0.0	0.0	0.0	4.7
4	17.6	27.0	21.5	74.7	0.0	22.1	22.1	3.7
5	17.2	23.4	18.8	81.0	2.8	0.0	2.8	.3
6	15.4	26.5	20.5	75.7	4.8	0.0	4.8	3.9
7	17.5	26.0	20.9	76.3	0.0	16.0	16.0	.5
8	17.0	26.3	21.1	73.3	0.0	0.0	0.0	2.4
9	17.8	25.5	20.2	83.3	11.4	12.7	24.1	2.8
10	17.1	24.2	19.3	85.7	1.6	1.8	3.4	2.3
11	16.9	26.8	21.1	72.0	4.8	51.7	56.5	1.5
12	16.5	24.8	19.9	79.7	1.1	5.5	6.6	1.8
13	16.0	26.9	20.3	78.3	11.5	3.3	14.8	3.7
14	17.0	26.2	21.9	73.3	.1	7.5	7.6	4.7
15	17.5	25.4	20.4	75.7	.5	0.0	.5	2.0
16	16.8	28.4	22.0	71.0	0.0	58.8	58.8	6.6
17	16.5	27.0	20.9	73.0	.4	0.0	.4	3.0
18	15.5	28.0	21.2	70.0	0.0	.1	.1	5.1
19	18.0	27.4	21.6	76.0	0.0	27.4	27.4	2.6
20	16.0	25.1	19.8	82.3	0.0	.4	.4	3.4
21	17.1	26.2	20.4	76.0	.8	0.0	.8	3.4
22	17.0	22.3	19.6	81.7	4.4	0.0	4.4	.7
23	15.8	27.0	21.3	69.7	0.0	0.0	0.0	6.2
24	17.2	24.4	20.6	79.3	3.6	0.0	3.6	.4
25	17.6	28.8	22.7	69.3	0.0	8.0	8.0	7.1
26	15.8	28.0	21.6	70.7	0.0	0.0	0.0	7.8
27	16.6	28.8	21.1	69.7	17.0	2.4	19.4	6.1
28	17.2	27.6	20.7	78.0	21.5	1.0	22.5	4.7
29	16.8	23.2	19.6	89.0	6.6	0.0	6.6	.7
30	17.0	28.0	21.7	70.7	0.0	24.0	24.0	4.1
31	17.2	28.2	20.9	77.7	4.1	3.0	7.1	5.1
TOTAL PROMEDIO	16.9	26.3	20.7	76.2	100.0	291.9	391.9	105.0

ESTACION: NARANJAL

DPTO: CALDAS

LATITUD : 04° 59'N

AÑO : 1990

MPIO: CHINCHINA

LONGITUD: 75° 39'W

ALTITUD : 1400 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.6	26.3	20.3	81.3	7.8	0.0	7.8	5.2
2	17.8	27.4	21.2	78.0	0.0	35.0	35.0	1.2
3	17.6	27.2	20.6	79.0	3.0	23.0	26.0	2.1
4	16.4	22.2	19.4	85.3	0.0	0.0	0.0	0.0
5	17.2	27.8	20.9	72.7	.5	0.0	.5	2.9
6	16.6	28.0	21.3	72.0	0.0	.4	.4	7.6
7	18.2	27.2	22.2	73.0	0.0	0.0	0.0	4.4
8	17.1	29.1	22.4	72.0	0.0	18.5	18.5	7.2
9	17.0	27.5	22.1	75.7	.4	7.7	8.1	3.2
10	17.2	26.2	21.1	79.3	0.0	.9	.9	1.4
11	17.0	27.2	21.1	74.0	.7	0.0	.7	5.0
12	17.2	28.7	22.4	71.7	0.0	.4	.4	6.1
13	18.8	29.2	22.9	72.0	0.0	0.0	0.0	5.6
14	18.4	29.0	22.8	72.3	0.0	2.0	2.0	5.5
15	17.8	28.2	22.9	72.0	0.0	.8	.8	4.9
16	18.3	28.3	22.5	71.3	0.0	14.5	14.5	4.6
17	17.2	25.4	21.1	82.0	0.0	6.4	6.4	1.3
18	17.8	24.0	20.3	78.0	0.0	0.0	0.0	0.0
19	15.6	29.2	22.5	68.3	0.0	3.1	3.1	9.1
20	18.8	25.6	21.1	84.7	14.0	.4	14.4	1.1
21	17.0	25.1	18.4	84.7	1.0	.7	1.7	1.0
22	14.8	25.3	19.2	82.3	0.0	0.0	0.0	3.0
23	16.0	27.5	21.2	75.7	0.0	4.4	4.4	3.4
24	16.2	25.2	20.1	80.0	4.4	0.0	4.4	2.2
25	16.3	28.5	22.0	68.3	0.0	0.0	0.0	9.0
26	17.7	27.5	21.9	73.3	0.0	0.0	0.0	4.3
27	17.8	27.0	21.6	75.0	0.0	0.0	0.0	1.3
28	18.2	25.4	20.9	80.0	.2	3.3	3.5	.6
29	17.2	28.1	21.9	74.3	0.0	7.3	7.3	6.5
30	17.8	26.4	21.6	74.7	0.0	0.0	0.0	4.1
31								
TOTAL								
PROMEDIO	17.3	27.0	21.3	76.1	32.0	128.8	160.8	113.8

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	28.3	22.0	70.7	3.8	46.5	50.3	5.1
2	18.2	26.2	20.2	82.0	10.1	.1	10.2	2.0
3	17.0	25.7	21.1	77.0	0.0	21.2	21.2	2.9
4	17.8	27.2	20.2	82.7	7.8	22.8	30.6	3.1
5	17.7	24.7	19.5	82.0	12.2	3.5	15.7	.3
6	16.5	25.2	19.9	81.0	0.0	0.0	0.0	3.3
7	16.6	27.8	21.1	71.7	0.0	0.0	0.0	5.7
8	16.5	25.0	19.5	80.7	1.5	.6	2.1	2.6
9	14.7	27.2	20.7	76.7	0.0	0.0	0.0	9.4
10	16.0	28.4	21.2	71.7	0.0	0.0	0.0	9.2
11	17.8	27.4	21.3	73.7	0.0	0.0	0.0	6.6
12	16.8	27.1	21.7	72.3	0.0	0.0	0.0	7.4
13	16.0	28.2	21.3	71.7	0.0	0.0	0.0	7.2
14	17.6	28.0	21.9	75.3	0.0	0.0	0.0	4.0
15	16.6	29.9	21.4	68.7	0.0	.9	.9	9.6
16	17.4	27.8	21.5	70.3	0.0	0.0	0.0	6.3
17	18.2	29.0	22.8	65.7	0.0	0.0	0.0	6.6
18	18.0	29.4	22.7	68.0	0.0	0.0	0.0	7.7
19	16.8	27.2	21.7	76.0	0.0	0.0	0.0	1.6
20	17.6	30.0	23.0	66.7	0.0	0.0	0.0	7.2
21	17.9	27.8	21.9	68.7	0.0	0.0	0.0	2.9
22	16.7	26.2	21.6	76.7	0.0	0.0	0.0	2.0
23	16.9	28.5	21.6	72.0	0.0	0.0	0.0	6.1
24	17.9	26.5	21.5	76.3	0.0	9.4	9.4	.4
25	17.8	27.2	21.6	75.7	0.0	0.0	0.0	3.9
26	18.0	27.8	22.6	73.7	0.0	11.1	11.1	5.3
27	16.7	24.9	20.3	81.7	0.0	4.3	4.3	.1
28	17.5	23.4	20.6	82.3	0.0	0.0	0.0	.3
29	17.8	27.0	21.8	75.0	0.0	0.0	0.0	4.3
30	15.8	28.8	21.3	72.7	0.0	9.6	9.6	6.7
31	16.6	27.4	21.2	71.3	0.0	0.0	0.0	5.8
TOTAL								
PROMEDIO	17.1	27.3	21.3	74.5	35.4	130.0	165.4	145.6

ESTACION: NARANJAL  
 AÑO : 1990

DPTO: CALDAS  
 MPIO: CHINCHINA

LATITUD : 04° 59'N  
 LONGITUD: 75° 39'W  
 ALTITUD : 1400 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	17.1	27.0	21.4	15.0	30.8	77.3	191.1	15	143.9
FEBRERO	17.5	26.7	21.3	15.8	29.2	78.2	211.0	19	103.1
MARZO	17.7	26.9	21.6	15.1	30.2	77.8	216.1	18	122.3
ABRIL	17.6	26.7	21.7	16.2	29.4	79.0	416.8	25	101.1
MAYO	17.7	26.7	21.8	15.2	29.5	78.4	352.6	24	106.1
JUNIO	17.5	27.7	21.9	16.0	31.2	76.4	113.3	19	129.9
JULIO	16.8	27.4	21.7	15.6	30.0	74.5	225.9	20	163.1
AGOSTO	17.1	28.5	22.3	14.9	30.7	69.4	79.1	16	161.4
SEPTIEMBRE	17.0	27.9	21.8	15.2	31.2	71.6	125.4	17	133.9
OCTUBRE	16.9	26.3	20.7	15.4	28.8	76.2	391.9	27	105.0
NOVIEMBRE	17.3	27.0	21.3	14.8	29.2	76.1	160.8	21	113.8
DICIEMBRE	17.1	27.3	21.3	14.7	30.0	74.5	165.4	11	145.6
PROMEDIO	17.3	27.2	21.6			75.8			
ABSOLUTA				14.7	31.2				
TOTAL							2649.4	232	1529.2

ESTACION: MANUEL MEJIA

DPTO: CAUCA

LATITUD : 02° 25'N

AÑO : 1990

MPIO: EL TAMEO

LONGITUD: 76° 45'W

ALTITUD : 1700 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.0	22.3	17.3	85.3	17.7	2.7	20.4	3.9
2	14.9	23.2	17.5	85.3	0.0	0.0	0.0	7.2
3	15.4	23.4	17.5	88.0	.2	.3	.5	8.4
4	15.3	23.1	18.2	86.7	.2	5.7	5.9	6.9
5	15.5	18.4	16.2	92.3	17.7	4.8	22.5	2.2
6	14.8	23.0	17.8	86.7	5.3	10.6	15.9	3.3
7	15.1	22.8	18.2	83.3	1.0	8.5	9.5	4.8
8	14.7	21.9	17.2	86.7	14.7	1.4	16.1	.7
9	14.8	23.1	18.3	83.3	12.1	1.6	13.7	3.5
10	15.8	25.0	18.8	79.0	33.5	34.6	68.1	3.2
11	14.6	24.8	19.2	79.0	3.8	1.2	5.0	1.8
12	15.0	24.0	18.3	83.0	1.2	1.7	2.9	0.0
13	14.6	23.0	17.8	85.0	11.0	1.1	12.1	2.7
14	14.9	24.0	17.8	82.3	.4	0.0	.4	5.3
15	15.0	22.1	18.1	87.3	0.0	0.0	0.0	4.2
16	15.5	24.5	19.4	85.7	0.0	0.0	0.0	8.3
17	15.0	25.0	19.8	71.7	0.0	0.0	0.0	8.1
18	15.5	25.5	20.1	76.0	0.0	0.0	0.0	8.9
19	15.4	25.2	19.4	82.0	0.0	.1	.1	5.7
20	15.0	25.0	19.5	81.0	0.0	0.0	0.0	8.1
21	13.0	24.5	19.3	79.3	0.0	0.0	0.0	2.9
22	15.5	25.5	20.2	79.3	0.0	0.0	0.0	7.5
23	12.8	26.5	20.9	63.0	0.0	0.0	0.0	10.1
24	13.5	27.0	20.6	65.0	0.0	0.0	0.0	9.1
25	11.5	25.2	19.1	70.7	0.0	0.0	0.0	6.9
26	15.2	21.8	18.2	89.0	.6	.6	1.2	.1
27	15.1	25.0	20.0	78.7	0.0	0.0	0.0	4.9
28	15.3	25.2	20.0	79.0	0.0	0.0	0.0	6.8
29	12.0	24.5	19.4	81.7	0.0	0.0	0.0	6.3
30	14.0	23.5	19.2	87.0	0.0	0.0	0.0	2.6
31	17.0	25.4	20.4	80.0	0.0	0.0	0.0	5.7
TOTAL PROMEDIO	14.7	24.0	18.8	81.4	119.4	74.9	194.3	160.1

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.0	25.2	20.0	89.3	.2	0.0	.2	
2	16.5	24.5	19.8	84.0	.6	4.9	5.5	3.3
3	14.8	22.0	17.9	90.7	0.0	0.0	0.0	0.0
4	14.0	25.2	20.0	80.0	0.0	9.0	9.0	3.4
5	16.8	21.0	17.4	92.3	14.2	7.6	21.8	.1
6	14.8	23.2	18.3	87.7	0.0	0.0	0.0	1.6
7	16.2	26.2	18.7	79.7	13.0	.1	13.1	8.4
8	16.5	26.4	18.6	84.0	.4	1.2	1.6	5.2
9	16.0	22.5	18.6	88.7	3.3	2.0	5.3	2.9
10	15.5	24.1	19.0	88.0	0.0	0.0	0.0	3.3
11	16.0	22.0	18.0	90.3	.6	21.4	22.0	1.0
12	14.5	24.0	19.1	84.3	0.0	0.0	0.0	4.4
13	15.8	23.4	19.3	87.3	0.0	0.0	0.0	3.6
14	16.0	24.5	19.0	82.7	3.6	11.3	14.9	5.5
15	15.4	24.4	19.5	83.3	.8	.2	1.0	5.0
16	16.0	24.0	19.1	83.7	1.8	4.2	6.0	5.9
17	16.2	22.4	17.9	88.0	2.6	15.3	17.9	1.7
18	14.0	20.2	16.3	88.7	0.0	1.2	1.2	1.7
19	15.0	24.2	18.2	82.3	5.1	21.2	26.3	7.1
20	14.2	24.0	17.4	82.0	2.0	4.4	6.4	
21	13.0	25.3	18.3	80.0	0.0	0.0	0.0	
22	14.5	23.4	17.7	84.7	1.5	0.0	1.5	4.7
23	12.8	22.2	17.6	86.0	0.0	0.0	0.0	1.8
24	14.5	22.4	18.1	87.7	44.1	18.3	62.4	1.9
25	14.9	20.5	16.8	90.0	1.8	2.3	4.1	1.1
26	14.6	23.2	18.4	84.0	0.0	0.0	0.0	8.5
27	14.8	24.1	18.6	82.3	0.0	3.4	3.4	7.9
28	15.4	21.8	16.9	87.7	8.7	1.6	10.3	.8
29								
30								
31								
TOTAL PROMEDIO	15.1	23.4	18.4	85.7	104.3	129.6	233.9	

ESTACION: MANUEL MEJIA

DPTO: CAUCA

LATITUD : 02° 25'N

AÑO : 1990

MPIO: EL TAMBO

LONGITUD : 76° 45'W

ALTITUD : 1700 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	13.8	22.0	17.0	87.0	5.5	1.5	7.0	3.1
2	15.1	22.3	18.3	88.7	.1	2.2	2.3	2.7
3	14.7	21.9	16.5	90.7	.6	0.0	.6	
4	14.8	23.0	18.3	83.3	0.0	.1	.1	
5	15.0	22.5	18.3	83.7	2.5	0.0	2.5	
6	14.8	21.8	17.0	86.0	.1	0.0	.1	2.8
7	13.0	22.1	17.0	90.0	0.0	0.0	0.0	4.6
8	14.8	24.3	19.1	81.3	0.0	0.0	0.0	1.7
9	15.8	25.4	19.6	76.7	0.0	0.0	0.0	6.5
10	15.0	25.1	20.5	64.0	0.0	0.0	0.0	
11	13.0	25.0	19.6	72.0	0.0	0.0	0.0	
12	13.4	26.8	20.6	75.7	0.0	0.0	0.0	9.5
13	17.6	27.5	22.3	60.7	0.0	0.0	0.0	8.0
14	13.8	26.2	20.3	71.3	.5	1.4	1.9	4.4
15	13.5	26.0	19.7	77.7	.3	.1	.4	6.3
16	15.0	25.0	19.4	82.7	3.7	0.0	3.7	4.4
17	14.8	25.4	19.1	86.0	0.0	.2	.2	
18	16.6	22.1	18.2	86.0	0.0	0.0	0.0	
19	16.0	25.0	19.1	86.0	7.0	2.0	9.0	
20	17.0	23.2	19.6	84.7	0.0	0.0	0.0	4.7
21	16.0	24.0	19.7	84.7	.8	0.0	.8	2.0
22	16.9	22.8	18.4	86.0	0.0	.4	.4	3.9
23	15.0	24.4	20.1	80.7	1.5	9.0	10.5	1.3
24	15.8	22.3	17.8	90.7	0.0	38.1	38.1	
25	15.4	25.3	19.4	79.7	.7	13.4	14.1	
26	15.0	22.0	17.8	89.7	10.1	1.5	11.6	.8
27	14.0	24.3	18.6	86.3	0.0	17.5	17.5	3.1
28	15.4	23.2	19.1	82.3	0.0	1.2	1.2	6.9
29	14.5	25.8	19.9	79.7	0.0	0.0	0.0	6.7
30	16.7	25.0	19.7	82.7	1.0	0.0	1.0	4.2
31	16.0	25.5	19.2	82.3	2.5	21.1	23.6	5.3
TOTAL PROMEDIO	15.1	24.1	19.0	81.9	36.9	109.7	146.6	

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.9	20.5	17.0	87.3	.1	.2	.3	
2	14.0	25.0	18.3	83.3	.8	6.2	7.0	8.3
3	16.2	23.9	18.3	85.7	9.2	1.7	10.9	1.8
4	15.5	23.5	18.4	86.7	3.8	27.1	30.9	2.8
5	15.2	22.5	18.0	91.3	4.3	1.1	5.4	2.9
6	16.2	22.0	18.0	90.7	2.8	0.0	2.8	1.2
7	14.5	23.4	18.8	88.7	0.0	0.0	0.0	
8	14.9	23.2	18.3	82.0	0.0	0.0	0.0	7.7
9	15.0	24.7	20.0	70.7	0.0	0.0	0.0	
10	15.5	26.0	20.4	78.7	0.0	0.0	0.0	
11	15.0	24.4	19.9	78.7	0.0	0.0	0.0	
12	16.2	24.2	20.4	83.7	0.0	0.0	0.0	
13	15.4	24.0	19.1	82.7	0.0	0.0	0.0	
14	16.7	22.1	18.0	89.7	5.6	0.0	5.6	
15	15.8	23.4	18.8	85.7	9.5	0.0	9.5	
16	15.0	24.5	18.9	79.0	0.0	0.0	0.0	2.4
17	15.8	25.0	18.6	84.0	6.6	5.4	12.0	4.6
18	16.0	24.5	18.8	86.0	.8	0.0	.8	5.1
19	17.0	21.4	18.8	90.0	0.0	0.0	0.0	1.1
20	16.5	23.0	19.1	88.3	0.0	.3	.3	.6
21	16.4	20.2	17.9	89.0	0.0	0.0	0.0	3.4
22	15.2	22.3	18.5	87.7	8.7	0.0	8.7	
23	16.0	24.7	19.2	85.7	5.5	12.4	17.9	2.3
24	15.5	21.6	17.7	91.7	2.0	.1	2.1	.3
25	15.8	20.5	17.6	90.3	1.3	0.0	1.3	.3
26	14.8	23.5	18.5	85.3	0.0	0.0	0.0	3.0
27	15.8	21.4	17.5	91.3	8.0	4.4	12.4	1.1
28	15.4	21.0	16.3	93.7	15.4	0.0	15.4	.6
29	15.0	20.7	17.5	88.7	.3	0.0	.3	
30	15.2	23.2	18.1	86.7	7.0	7.5	14.5	4.8
31								
TOTAL PROMEDIO	15.5	23.0	18.5	86.1	91.7	66.4	158.1	

ESTACION: MANUEL MEJIA

DPTO: CAUCA

LATITUD : 02° 25'N

AÑO : 1990

MPIO: EL TAMBO

LONGITUD: 76° 45'W

ALTITUD : 1700 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.9	21.0	17.5	85.7	.7	0.0	.7	
2	15.0	25.0	17.9	83.7	1.0	0.0	1.0	5.0
3	14.8	22.2	17.8	87.3	7.3	.9	8.2	.8
4	14.4	23.0	17.3	88.3	15.4	31.2	46.6	4.6
5	14.0	24.0	17.8	85.3	15.0	1.4	16.4	4.7
6	15.6	21.8	18.0	90.3	0.0	0.0	0.0	
7	15.0	24.8	19.6	86.7	0.0	.4	.4	7.5
8	15.8	23.1	18.8	90.0	1.4	.9	2.3	2.0
9	16.5	23.0	19.0	90.0	0.0	15.6	15.6	2.1
10	15.0	23.8	18.8	86.0	0.0	0.0	0.0	4.1
11	16.0	23.5	18.8	87.0	.4	0.0	.4	1.4
12	15.0	23.0	18.9	88.0	5.2	0.0	5.2	2.0
13	15.1	21.0	18.5	89.7	2.5	.2	2.7	
14	15.8	22.9	18.3	86.7	1.2	0.0	1.2	1.9
15	15.0	25.2	20.5	83.7	0.0	0.0	0.0	6.1
16	15.2	25.0	20.5	78.7	0.0	0.0	0.0	4.5
17	13.8	23.0	19.3	77.7	0.0	0.0	0.0	4.4
18	13.0	25.0	20.1	68.3	0.0	0.0	0.0	6.1
19	14.5	25.4	21.2	69.3	.1	0.0	.1	7.9
20	14.8	23.8	19.0	80.3	0.0	0.0	0.0	
21	13.5	23.5	19.5	72.7	0.0	0.0	0.0	1.0
22	15.2	25.0	20.2	76.7	0.0	0.0	0.0	4.0
23	13.6	23.6	18.4	79.3	0.0	0.0	0.0	3.1
24	13.5	24.0	18.4	78.7	0.0	0.0	0.0	4.2
25	12.6	23.0	18.4	84.7	.7	.6	1.3	2.9
26	13.2	24.8	17.8	85.3	15.4	.1	15.5	
27	12.6	23.7	18.5	82.3	0.0	0.0	0.0	
28	11.8	25.0	18.7	79.7	0.0	0.0	0.0	
29	14.4	22.5	18.2	83.7	9.1	0.0	9.1	1.1
30	14.8	24.0	17.8	82.0	0.0	0.0	0.0	1.3
31	14.6	22.5	18.0	89.0	1.2	.1	1.3	2.7
TOTAL PROMEDIO	14.5	23.6	18.7	83.1	76.6	51.4	128.0	

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.2	21.4	17.7	90.7	.3	0.0	.3	1.7
2	14.9	24.8	18.6	82.7	0.0	0.0	0.0	
3	15.2	23.8	18.8	85.0	0.0	0.0	0.0	
4	14.7	22.0	18.3	85.3	.7	.1	.8	1.9
5	15.8	26.0	20.2	73.7	0.0	0.0	0.0	
6	15.5	26.4	20.3	73.3	0.0	0.0	0.0	
7	16.4	27.2	21.4	56.3	0.0	0.0	0.0	9.6
8	15.8	26.0	20.2	78.0	0.0	0.0	0.0	6.3
9	15.0	24.2	18.8	83.0	0.0	.1	.1	1.9
10	15.8	24.0	19.4	79.3	14.0	0.0	14.0	
11	15.0	21.5	16.3	93.7	.9	0.0	.9	1.7
12	13.0	23.5	18.7	82.3	0.0	.2	.2	6.5
13	15.8	23.8	19.3	84.3	.7	0.0	.7	2.3
14	15.4	24.0	18.4	87.0	8.3	0.0	8.3	1.8
15	15.6	22.6	17.8	84.7	5.5	.5	6.0	3.4
16	13.0	24.0	18.6	77.0	0.0	0.0	0.0	
17	13.1	25.8	19.5	79.7	0.0	0.0	0.0	
18	14.0	24.5	19.0	78.3	0.0	0.0	0.0	
19	16.6	25.1	20.2	64.3	0.0	0.0	0.0	7.0
20	17.0	26.0	21.5	49.7	0.0	0.0	0.0	9.2
21	14.8	24.5	19.9	59.7	0.0	0.0	0.0	5.6
22	13.5	25.6	19.5	70.3	0.0	0.0	0.0	8.5
23	13.0	25.1	18.8	79.7	0.0	0.0	0.0	
24	14.8	22.8	18.1	85.0	.1	.4	.5	
25	14.9	23.5	18.3	77.7	0.0	0.0	0.0	
26	12.4	24.0	18.4	76.3	0.0	0.0	0.0	5.8
27	11.8	25.5	20.9	60.0	0.0	0.0	0.0	5.3
28	13.4	26.0	20.4	59.3	0.0	0.0	0.0	9.9
29	12.4	25.2	20.0	70.3	0.0	0.0	0.0	9.7
30	15.0	25.0	21.6	55.7	0.0	0.0	0.0	10.9
31								
TOTAL PROMEDIO	14.6	24.5	19.3	75.4	30.5	1.3	31.8	

ESTACION: MANUEL MEJIA

DPTO: CAUCA

LATITUD : 02° 25'N

ANO : 1990

MPIO: EL TAMBO

LONGITUD: 76° 45'W  
ALTITUD : 1700 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	12.8	25.0	19.7	63.7	0.0	0.0	0.0	
2	13.0	25.5	19.9	66.0	.9	.1	1.0	
3	13.5	21.5	18.3	82.3	3.4	0.0	3.4	1.2
4	14.0	25.0	19.3	79.3	0.0	0.0	0.0	3.5
5	14.8	22.4	17.8	85.7	0.0	0.0	0.0	.6
6	10.8	23.8	18.3	80.3	0.0	0.0	0.0	3.2
7	11.2	24.0	17.5	81.3	0.0	0.0	0.0	
8	13.9	26.4	18.0	80.3	25.7	1.5	27.2	
9	14.0	22.5	17.2	84.0	1.7	6.3	8.0	3.3
10	15.0	21.0	16.9	92.7	1.2	.5	1.7	1.5
11	14.0	24.0	18.3	83.7	4.3	0.0	4.3	5.0
12	13.9	20.5	17.1	91.0	0.0	0.0	0.0	1.6
13	9.8	24.6	18.3	75.3	0.0	0.0	0.0	8.7
14	10.0	26.0	19.0	78.7	0.0	0.0	0.0	
15	14.1	24.0	17.8	82.0	.2	0.0	.2	
16	14.0	24.3	17.4	84.0	8.6	16.4	25.0	
17	14.5	21.8	17.6	80.7	.4	0.0	.4	
18	13.6	22.4	18.1	86.7	.7	0.0	.7	
19	12.4	25.0	18.5	67.7	0.0	0.0	0.0	
20	10.2	24.7	17.1	77.0	0.0	0.0	0.0	
21	9.1	24.0	18.5	82.7	0.0	0.0	0.0	
22	10.8	26.3	19.5	72.3	0.0	0.0	0.0	
23	13.0	22.8	16.7	89.3	4.8	0.0	4.8	3.8
24	8.8	26.2	19.4	63.3	0.0	0.0	0.0	9.5
25	12.5	27.0	19.8	56.7	0.0	0.0	0.0	8.8
26	9.4	24.5	19.0	51.7	0.0	0.0	0.0	10.6
27	9.2	25.5	18.6	64.3	0.0	0.0	0.0	8.1
28	11.6	25.3	19.3	69.3	0.0	0.0	0.0	
29	12.8	26.4	20.7	60.7	0.0	0.0	0.0	
30	13.0	24.0	18.8	80.7	0.0	0.0	0.0	9.5
31	10.4	26.2	19.6	65.3	0.0	0.0	0.0	8.7
TOTAL PROMEDIO	12.3	24.3	18.4	76.1	51.9	24.8	76.7	

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	9.0	24.5	18.9	67.7	0.0	0.0	0.0	5.6
2	12.2	24.9	19.7	66.7	0.0	0.0	0.0	
3	12.0	25.5	20.4	63.7	0.0	0.0	0.0	
4	15.6	23.4	19.8	67.7	0.0	0.0	0.0	1.3
5	12.2	26.8	20.1	61.7	0.0	0.0	0.0	8.2
6	15.0	27.8	21.5	58.7	0.0	0.0	0.0	7.1
7	12.2	26.6	19.7	72.7	0.0	0.0	0.0	8.6
8	12.0	25.5	19.7	67.7	0.0	0.0	0.0	6.2
9	12.2	27.0	20.8	65.7	0.0	0.0	0.0	7.0
10	15.0	23.5	19.8	68.3	0.0	0.0	0.0	1.1
11	10.4	24.6	17.8	60.3	0.0	0.0	0.0	7.5
12	7.5	25.2	18.3	66.0	0.0	0.0	0.0	6.1
13	12.5	25.5	19.0	71.0	0.0	0.0	0.0	3.7
14	13.5	24.5	18.0	80.3	0.0	0.0	0.0	3.4
15	11.6	26.2	18.2	79.0	0.0	2.8	2.8	5.6
16	13.2	26.0	19.4	70.7	0.0	0.0	0.0	4.7
17	10.4	28.5	20.6	63.3	0.0	0.0	0.0	4.9
18	10.7	27.2	19.9	67.0	0.0	0.0	0.0	5.2
19	11.8	26.5	19.9	61.7	0.0	0.0	0.0	7.1
20	11.5	26.9	19.6	63.3	0.0	0.0	0.0	7.9
21	14.6	25.0	20.8	61.0	0.0	0.0	0.0	7.1
22	16.4	24.8	20.9	55.0	0.0	0.0	0.0	7.3
23	14.5	24.7	20.2	64.7	0.0	0.0	0.0	5.2
24	13.0	26.8	20.3	57.0	0.0	0.0	0.0	10.3
25	10.5	27.2	20.4	66.3	0.0	0.0	0.0	6.8
26	10.8	27.1	17.1	79.7	10.3	7.7	18.0	6.1
27	13.6	27.0	18.2	80.3	1.5	.1	1.6	6.1
28	15.2	24.2	18.1	81.3	0.0	.7	.7	4.0
29	14.6	24.6	17.0	84.0	9.9	.1	10.0	2.5
30	13.2	25.4	18.0	79.7	1.6	0.0	1.6	4.6
31	12.4	26.0	18.4	76.3	16.5	0.0	16.5	5.1
TOTAL PROMEDIO	12.6	25.8	19.3	68.7	39.8	11.4	51.2	

ESTACION: MANUEL MEJIA

DPTO: CAUCA

LATITUD : 02° 25'N

AÑO : 1990

MPIO: EL TAMBO

LONGITUD: 76° 45'W

ALTITUD : 1700 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.2	25.2	18.2	84.7	.4	.1	.5	4.4
2	14.0	23.0	17.5	87.7	0.0	0.0	0.0	2.6
3	13.0	25.4	20.3	77.3	0.0	0.0	0.0	5.2
4	14.5	26.5	20.3	62.3	0.0	0.0	0.0	4.2
5	12.0	27.0	19.6	63.3	0.0	0.0	0.0	5.6
6	10.5	26.0	18.2	77.3	1.7	3.8	5.5	6.2
7	14.0	24.2	19.6	76.3	0.0	0.0	0.0	3.9
8	12.0	26.0	19.2	67.7	.3	0.0	.3	4.5
9	11.5	26.5	20.1	67.7	0.0	0.0	0.0	6.8
10	14.8	23.2	18.3	81.7	0.0	.1	.1	1.7
11	15.0	24.2	17.8	83.7	.2	0.0	.2	3.1
12	15.8	25.2	17.9	81.0	1.2	.3	1.5	3.9
13	11.0	26.4	20.0	61.0	0.0	.5	.5	6.7
14	14.0	25.0	19.8	57.7	0.0	.8	.8	3.2
15	13.5	28.0	20.6	62.0	0.0	0.0	0.0	5.7
16	10.8	27.0	19.7	60.7	0.0	0.0	0.0	6.9
17	8.5	28.0	19.9	58.3	0.0	0.0	0.0	7.9
18	9.0	28.5	20.0	65.7	0.0	0.0	0.0	9.3
19	11.8	29.0	20.0	73.0	0.0	0.0	0.0	7.6
20	15.0	24.9	17.8	85.7	.8	0.0	.8	3.2
21	13.0	25.2	17.5	88.0	5.5	0.0	5.5	3.5
22	14.5	22.0	18.2	82.0	0.0	0.0	0.0	.1
23	14.6	23.5	17.2	82.7	12.3	0.0	12.3	2.1
24	12.6	24.8	17.0	85.7	3.2	0.0	3.2	5.3
25	12.8	24.6	17.8	80.7	.2	0.0	.2	3.3
26	11.8	25.3	18.2	81.0	10.2	.7	10.9	5.4
27	14.8	22.8	19.5	69.3	0.0	0.0	0.0	2.5
28	10.0	26.0	19.4	71.0	0.0	0.0	0.0	6.7
29	12.2	25.2	19.1	72.3	0.0	0.0	0.0	2.2
30	14.2	25.1	17.5	82.0	1.2	.5	1.7	4.6
31								
TOTAL PROMEDIO	12.8	25.5	18.8	74.3	37.2	6.8	44.0	138.3

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	13.8	21.2	17.2	91.0	6.6	0.0	6.6	.4
2	15.0	21.5	17.0	88.7	1.4	0.0	1.4	.5
3	13.6	24.8	18.9	77.0	0.0	0.0	0.0	4.0
4	15.6	25.8	18.8	79.7	0.0	4.2	4.2	4.7
5	15.2	20.0	16.2	94.7	1.7	0.0	1.7	.6
6	11.4	23.2	17.0	84.7	8.1	.3	8.4	5.5
7	14.9	18.4	16.3	95.0	23.0	7.0	30.0	0.0
8	14.0	22.8	17.5	86.3	1.2	.7	1.9	1.3
9	15.0	24.5	18.4	83.7	13.4	22.7	36.1	2.9
10	14.8	22.9	17.0	85.3	2.2	0.0	2.2	2.2
11	13.6	22.4	17.4	84.7	.8	.4	1.2	2.1
12	15.0	20.4	17.4	86.0	0.0	0.0	0.0	.1
13	13.6	23.8	17.5	85.7	0.0	0.0	0.0	1.3
14	14.9	24.0	17.7	88.7	8.1	0.0	8.1	3.0
15	13.8	21.8	16.7	90.0	24.1	.1	24.2	.9
16	14.8	23.0	18.0	87.7	5.4	.8	6.2	2.7
17	14.0	22.0	17.3	87.3	1.2	0.0	1.2	2.0
18	13.0	25.0	19.4	76.0	0.0	26.3	26.3	3.9
19	14.0	23.2	17.4	85.7	2.0	0.0	2.0	3.1
20	15.0	20.6	17.3	87.7	.1	0.0	.1	.1
21	13.9	23.4	18.7	81.3	2.1	1.0	3.1	7.4
22	14.6	22.4	17.4	87.3	2.4	0.0	2.4	1.3
23	14.8	24.0	17.7	84.0	11.6	8.6	20.2	2.4
24	15.0	22.2	16.9	88.3	3.6	0.0	3.6	.8
25	13.2	23.2	18.4	83.3	0.0	.1	.1	5.8
26	15.8	24.0	19.1	81.0	0.0	0.0	0.0	2.8
27	12.6	24.2	17.6	86.3	0.0	19.8	19.8	6.2
28	14.9	24.0	18.8	82.7	0.0	20.1	20.1	5.8
29	14.8	22.0	18.0	84.3	0.0	3.4	3.4	1.2
30	13.2	24.0	18.4	83.0	0.0	.6	.6	7.4
31	15.0	25.2	18.6	83.7	1.1	4.1	5.2	5.8
TOTAL PROMEDIO	14.3	22.9	17.7	85.5	120.1	120.2	240.3	88.2



ESTACION: MANUEL MEJIA

DPTO: CAUCA

LATITUD : 02° 25'N

ANO : 1990

MPIO: EL TAMBO

LONGITUD: 76° 45'W

ALTITUD : 1700 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.8	25.0	18.1	83.7	.1	0.0	.1	4.6
2	15.5	22.5	17.8	84.7	5.9	109.5	115.4	1.8
3	14.2	22.0	17.7	88.7	1.9	44.0	45.9	1.5
4	13.4	22.8	16.9	85.7	2.9	.1	3.0	4.7
5	15.0	21.2	17.4	90.0	27.1	.7	27.8	2.2
6	14.5	23.9	18.0	89.7	4.2	.1	4.3	6.0
7	15.0	22.5	18.4	81.0	0.0	0.0	0.0	6.5
8	13.8	24.8	19.2	84.7	0.0	0.0	0.0	5.8
9	16.0	23.2	18.6	87.3	2.1	0.0	2.1	3.6
10	15.8	22.0	17.5	83.3	3.6	0.0	3.6	2.2
11	11.0	25.0	19.1	63.7	0.0	0.0	0.0	8.5
12	9.6	24.5	16.9	78.7	0.0	0.0	0.0	5.3
13	15.0	25.0	19.8	79.3	0.0	0.0	0.0	7.0
14	14.9	25.2	18.6	84.0	1.2	0.0	1.2	3.8
15	13.7	22.2	18.6	90.0	0.0	0.0	0.0	2.8
16	15.4	23.8	17.8	84.3	0.0	0.0	0.0	2.5
17	14.0	25.2	18.6	83.3	7.6	50.6	58.2	
18	15.0	22.0	17.4	84.7	5.9	.4	6.3	
19	14.0	24.5	18.8	86.0	0.0	0.0	0.0	6.1
20	16.0	23.5	18.9	84.3	16.8	23.4	40.2	5.3
21	14.1	16.7	15.6	91.0	5.5	0.0	5.5	.5
22	12.2	24.0	18.3	82.7	0.0	1.3	1.3	8.0
23	15.3	22.1	17.5	88.3	11.0	2.4	13.4	4.1
24	15.0	22.4	17.5	88.3	0.0	0.0	0.0	4.1
25	12.0	23.5	18.5	84.7	0.0	0.0	0.0	5.7
26	15.8	24.2	18.3	85.3	.9	.1	1.0	7.3
27	16.0	24.5	18.2	84.0	0.0	.2	.2	5.9
28	15.4	24.0	19.0	79.7	0.0	16.2	16.2	7.1
29	15.0	21.7	17.6	88.7	3.3	3.1	6.4	
30	14.5	21.8	17.4	94.0	.9	0.0	.9	
31								
TOTAL PROMEDIO	14.4	23.2	18.0	84.8	100.9	252.1	353.0	

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.0	22.4	17.9	89.0	3.5	0.0	3.5	5.4
2	14.8	21.0	16.8	87.0	35.4	70.6	106.0	4.2
3	12.0	21.2	16.6	88.0	0.0	0.0	0.0	1.5
4	15.0	23.2	17.6	86.7	23.1	30.2	53.3	2.9
5	14.0	16.4	15.1	94.0	1.9	.4	2.3	0.0
6	13.0	22.2	17.5	80.0	0.0	0.0	0.0	3.8
7	13.5	23.8	16.8	89.0	5.7	0.0	5.7	5.0
8	12.1	21.4	15.7	87.3	15.3	4.6	19.9	2.5
9	11.7	21.8	17.2	86.7	0.0	5.0	5.0	
10	14.9	22.8	18.7	86.3	0.0	0.0	0.0	
11	14.7	22.0	17.4	84.0	0.0	0.0	0.0	7.6
12	13.8	23.0	18.3	84.0	1.0	0.0	1.0	6.1
13	13.4	22.8	18.3	86.7	0.0	0.0	0.0	7.5
14	14.8	22.9	18.5	88.0	0.0	0.0	0.0	4.3
15	14.2	23.9	18.5	87.3	0.0	0.0	0.0	6.5
16	12.8	24.5	18.9	82.0	0.0	0.0	0.0	
17	15.0	23.8	19.2	80.7	0.0	0.0	0.0	
18	14.0	22.2	18.3	80.7	0.0	0.0	0.0	3.7
19	15.5	24.8	19.0	86.3	.2	0.0	.2	3.5
20	14.9	24.4	19.1	84.7	0.0	0.0	0.0	5.9
21	14.2	24.9	18.5	83.3	0.0	22.2	22.2	7.3
22	15.8	19.8	16.5	86.7	10.7	.1	10.8	0.0
23	12.0	22.4	17.8	87.0	0.0	19.4	19.4	8.6
24	15.4	21.2	17.4	87.7	13.6	2.0	15.6	4.5
25	15.2	24.0	19.1	83.3	0.0	5.9	5.9	3.8
26	15.0	23.2	18.1	85.7	0.0	0.0	0.0	5.2
27	15.5	20.5	17.8	89.7	1.8	0.0	1.8	1.2
28	15.0	22.0	18.0	90.0	.2	0.0	.2	1.1
29	14.0	23.8	17.6	85.3	.1	2.1	2.2	5.6
30	15.2	21.2	16.4	88.0	5.7	.1	5.8	1.9
31	13.8	22.8	17.1	87.7	.2	.9	1.1	
TOTAL PROMEDIO	14.2	22.5	17.7	86.2	118.4	163.5	281.9	

ESTACION: MANUEL MEJIA  
 AÑO : 1990

DPTO: CAUCA  
 MPFO: EL TAMBO

LATITUD : 02° 25'N  
 LONGITUD: 76° 45'W  
 ALTITUD : 1700 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	14.7	24.0	18.8	11.5	27.0	81.4	194.3	15	160.1
FEBRERO	15.1	23.4	18.4	12.8	26.4	85.7	233.9	20	
MARZO	15.1	24.1	19.0	13.0	27.5	81.9	146.6	21	
ABRIL	15.5	23.0	18.5	14.0	26.0	86.1	158.1	19	
MAYO	14.5	23.6	18.7	11.8	25.4	83.1	128.0	17	
JUNIO	14.6	24.5	19.3	11.8	27.2	75.4	31.8	10	
JULIO	12.3	24.3	18.4	8.8	27.0	76.1	76.7	11	
AGOSTO	12.6	25.8	19.3	7.5	28.5	68.7	51.2	7	
SEPTIEMBRE	12.8	25.5	18.8	8.5	29.0	74.3	44.0	15	138.3
OCTUBRE	14.3	22.9	17.7	11.4	25.8	85.5	240.3	27	88.2
NOVIEMBRE	14.4	23.2	18.0	9.6	25.2	84.8	353.0	20	
DICIEMBRE	14.2	22.5	17.7	11.7	24.9	86.2	281.9	19	
PROMEDIO	14.2	23.9	18.6			80.7			
ABSOLUTA				7.5	29.0				
TOTAL							1939.8	201	

ESTACION: LA CAMPINA

DPTO: CAUCA

LATITUD : 02° 24'N

AÑO : 1990

MPIO: TIMBIO

LONGITUD: 76° 40'W

ALTITUD : 1800 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.8	22.4	17.2	87.3	18.7	6.4	25.1	3.0
2	14.9	24.0	18.7	82.7	0.0	0.0	0.0	6.6
3	15.0	26.2	19.6	75.3	0.0	0.0	0.0	9.2
4	13.4	26.0	19.0	80.7	0.0	5.7	5.7	6.3
5	15.7	24.9	19.0	82.7	11.3	1.6	12.9	2.0
6	14.8	23.0	18.4	86.7	1.6	20.7	22.3	3.2
7	15.0	24.0	18.6	84.3	59.5	0.0	59.5	2.0
8	15.2	22.2	17.4	83.3	21.7	1.2	22.9	.5
9	15.3	22.5	17.9	87.3	6.6	.6	7.2	1.4
10	15.5	24.0	18.0	88.7	11.9	47.6	59.5	2.2
11	15.4	21.3	17.5	88.7	.5	.2	.7	.1
12	15.5	19.0	16.2	93.0	1.2	1.6	2.8	.1
13	14.8	22.0	17.8	87.0	2.5	0.0	2.5	2.6
14	15.3	23.4	18.1	85.0	.8	0.0	.8	4.2
15	14.0	22.8	18.2	85.7	0.0	0.0	0.0	3.7
16	14.9	24.9	19.5	83.7	0.0	0.0	0.0	8.9
17	13.5	26.9	19.0	76.0	2.1	.2	2.3	8.4
18	14.0	26.2	19.8	78.0	0.0	0.0	0.0	8.7
19	14.1	25.4	18.9	80.3	.8	4.8	5.6	7.1
20	14.5	25.5	19.3	83.7	0.0	0.0	0.0	8.9
21	12.4	24.1	18.1	83.3	0.0	0.0	0.0	3.5
22	13.8	26.9	20.0	77.0	1.3	0.0	1.3	7.9
23	13.9	26.3	20.8	58.7	0.0	0.0	0.0	9.3
24	14.0	26.4	19.9	62.0	0.0	0.0	0.0	8.6
25	13.0	25.7	19.0	74.0	0.0	0.0	0.0	7.5
26	14.7	20.2	17.8	93.0	1.1	.4	1.5	.3
27	14.1	25.0	20.0	66.0	0.0	0.0	0.0	4.4
28	15.2	24.8	19.8	80.0	0.0	0.0	0.0	6.2
29	12.6	24.7	18.8	84.3	0.0	0.0	0.0	6.9
30	13.4	24.0	19.0	86.7	0.0	0.0	0.0	3.3
31	14.9	24.1	19.1	82.7	0.0	0.0	0.0	6.0
TOTAL PROMEDIO	14.4	24.2	18.7	81.5	141.6	91.0	232.6	153.0

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	13.8	25.9	19.9	80.7	1.3	0.0	1.3	5.9
2	15.5	24.2	18.5	83.0	.8	4.6	5.4	4.3
3	14.0	21.7	17.3	91.0	0.0	0.0	0.0	.4
4	13.1	24.2	19.2	81.3	.1	1.1	1.2	3.1
5	16.0	20.8	17.1	91.7	28.1	4.1	32.2	.2
6	14.2	24.1	18.2	84.7	0.0	0.0	0.0	1.7
7	14.7	27.5	18.7	82.0	.2	0.0	.2	7.0
8	14.8	26.0	20.4	85.3	6.8	8.1	14.9	5.0
9	15.8	23.0	18.6	86.7	2.4	0.0	2.4	3.3
10	15.6	25.1	19.3	83.3	0.0	0.0	0.0	2.7
11	16.4	22.3	17.6	86.7	2.1	9.9	12.0	1.0
12	14.7	24.6	19.0	81.0	0.0	0.0	0.0	3.9
13	16.0	23.8	18.6	86.3	.9	0.0	.9	3.7
14	15.9	22.3	18.1	83.3	15.0	1.8	16.8	4.0
15	15.6	24.1	19.2	85.0	4.0	1.5	5.5	4.6
16	15.8	24.0	19.1	84.7	0.0	8.8	8.8	5.7
17	16.2	22.8	17.7	87.0	4.1	23.2	27.3	4.0
18	13.8	20.8	16.4	88.0	0.0	2.3	2.3	2.7
19	14.8	24.0	18.6	81.7	0.0	38.0	38.0	4.7
20	13.8	24.2	17.1	85.7	.1	.1	.2	5.5
21	12.0	24.4	16.8	84.0	.1	0.0	.1	5.1
22	14.0	22.1	17.3	87.7	3.4	0.0	3.4	.9
23	11.8	23.4	17.0	86.3	0.0	0.0	0.0	8.6
24	14.7	23.0	17.4	87.7	20.9	25.2	46.1	1.3
25	13.8	21.0	16.3	87.3	6.7	3.7	10.4	1.4
26	13.0	24.0	17.5	83.3	0.0	0.0	0.0	2.4
27	14.9	25.4	19.6	79.7	0.0	3.3	3.3	7.2
28	15.1	20.8	16.8	88.7	17.9	.4	18.3	.4
29								
30								
31								
TOTAL PROMEDIO	14.6	23.6	18.1	85.1	114.9	136.1	251.0	100.7

ESTACION: LA CAMPINA

DPTO: CAUCA

LATITUD : 02° 24' N

AÑO : 1990

MPIO: TIMBIO

LONGITUD : 76° 40' W

ALTITUD : 1800 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	13.8	22.6	16.5	87.3	5.3	3.3	8.6	1.6
2	14.8	22.8	17.5	88.7	.6	.1	.7	2.1
3	14.6	21.4	16.2	88.3	.4	0.0	.4	.2
4	14.2	22.1	17.6	86.7	1.0	0.0	1.0	2.2
5	14.0	23.0	16.9	84.7	.4	0.0	.4	1.8
6	12.8	23.8	18.1	80.0	0.0	0.0	0.0	3.3
7	14.5	24.9	18.6	89.0	.1	0.0	.1	4.7
8	15.8	23.5	19.1	77.7	0.0	0.0	0.0	3.7
9	14.9	27.0	20.8	63.3	0.0	0.0	0.0	6.9
10	14.8	25.5	19.7	65.3	0.0	0.0	0.0	4.6
11	15.6	26.7	19.9	71.7	0.0	0.0	0.0	4.3
12	13.9	28.4	20.9	62.0	0.0	0.0	0.0	9.5
13	16.0	28.7	22.0	59.0	0.0	0.0	0.0	7.6
14	14.0	26.0	20.6	70.0	.4	.5	.9	0.0
15	13.6	24.5	19.8	72.7	1.4	0.0	1.4	5.5
16	15.4	25.7	19.5	80.3	2.3	0.0	2.3	4.1
17	15.0	26.0	19.8	78.0	0.0	0.0	0.0	4.6
18	16.6	22.3	18.1	85.3	13.5	1.0	14.5	.8
19	15.6	24.7	20.2	84.0	0.0	0.0	0.0	3.5
20	16.3	25.8	19.2	84.7	0.0	0.0	0.0	3.5
21	16.7	23.4	18.8	85.3	11.9	0.0	11.9	1.6
22	15.1	23.8	19.5	82.7	0.0	0.0	0.0	2.5
23	16.7	22.7	18.0	87.3	5.2	8.3	13.5	2.6
24	14.7	25.0	18.6	84.0	1.2	12.9	14.1	4.5
25	15.8	22.6	18.5	87.3	.6	6.7	7.3	.7
26	15.2	24.8	17.8	84.3	7.6	1.7	9.3	.4
27	15.0	23.4	19.2	87.7	0.0	14.0	14.0	1.9
28	14.6	24.5	18.4	85.0	0.0	11.9	11.9	6.7
29	14.7	25.8	19.2	82.0	0.0	0.0	0.0	7.6
30	15.8	25.5	19.5	83.3	2.6	0.0	2.6	2.8
31	14.5	25.1	18.8	84.3	1.3	15.6	16.9	4.7
TOTAL PROMEDIO	15.0	24.6	18.9	80.4	55.8	76.0	131.8	110.5

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.9	18.9	16.3	89.3	1.9	0.0	1.9	0.0
2	13.2	19.6	16.1	87.0	.3	1.2	1.5	7.9
3	14.0	20.0	17.2	89.0	1.2	1.1	2.3	1.3
4	13.9	24.2	17.8	84.0	3.6	5.4	9.0	2.3
5	15.0	22.4	17.3	91.0	7.5	.4	7.9	3.3
6	16.0	22.3	17.8	84.3	4.1	0.0	4.1	2.3
7	13.6	24.5	18.8	82.7	0.0	0.0	0.0	3.4
8	13.8	24.6	18.8	80.0	0.0	0.0	0.0	4.4
9	13.7	26.2	20.4	69.0	0.0	0.0	0.0	7.7
10	15.4	26.0	20.2	75.0	0.0	0.0	0.0	4.8
11	14.9	25.8	20.4	72.3	0.0	0.0	0.0	5.7
12	14.3	24.6	19.3	78.0	3.3	0.0	3.3	2.6
13	14.5	25.0	19.2	83.3	0.0	0.0	0.0	2.6
14	16.0	23.2	18.0	91.3	6.7	.1	6.8	1.1
15	15.1	24.0	17.5	90.7	19.8	12.0	31.8	4.3
16	14.6	24.6	19.0	79.7	0.0	0.0	0.0	1.5
17	16.0	25.2	18.5	85.7	7.3	4.0	11.3	4.1
18	14.1	25.3	18.3	87.0	0.0	0.0	0.0	4.3
19	15.2	22.0	18.8	90.0	0.0	0.0	0.0	.7
20	14.9	23.0	18.2	86.7	1.6	0.0	1.6	.3
21	15.8	21.0	17.7	89.7	6.9	0.0	6.9	.1
22	14.8	19.8	16.6	87.3	2.2	.1	2.3	2.4
23	15.8	23.8	18.7	87.7	.6	4.6	5.2	1.7
24	15.4	22.8	17.2	94.7	1.0	.2	1.2	.4
25	15.6	20.0	17.3	93.7	11.9	0.0	11.9	
26	13.9	23.2	17.8	84.0	0.0	0.0	0.0	2.2
27	15.0	21.8	16.7	94.3	5.6	33.9	39.5	1.0
28	14.2	20.3	15.7	91.3	10.7	.1	10.8	.3
29	13.7	20.0	16.5	93.3	.2	0.0	.2	0.0
30	13.5	23.4	17.6	86.7	4.6	4.6	9.2	2.8
31								
TOTAL PROMEDIO	14.7	22.9	18.0	86.0	101.0	67.7	168.7	

ESTACION: LA CAMPINA

DPTO: CAUCA

LATITUD : 02° 24'N

AÑO : 1990

MPIO: TIMBIO

LONGITUD : 76° 40'W  
ALTITUD : 1800 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.8	23.0	17.9	84.3	3.0	0.0	3.0	2.1
2	14.0	24.8	17.7	85.0	4.3	0.0	4.3	5.2
3	14.4	23.4	17.2	88.0	21.4	0.0	21.4	.8
4	14.8	24.1	17.5	88.3	4.0	24.2	28.2	3.7
5	14.2	23.5	17.7	87.3	3.9	1.3	5.2	2.8
6	14.9	22.0	18.6	90.3	0.0	0.0	0.0	0.0
7	13.0	25.9	19.4	84.0	0.0	0.0	0.0	7.2
8	15.0	24.0	19.1	86.0	1.9	.8	2.7	2.1
9	16.7	23.4	19.1	87.7	0.0	3.4	3.4	2.6
10	14.6	24.2	18.7	87.7	.2	.4	.6	3.2
11	14.9	24.6	18.5	83.3	1.0	0.0	1.0	2.1
12	13.8	23.8	18.6	84.0	.9	0.0	.9	.9
13	14.0	21.2	17.5	91.3	7.0	.7	7.7	1.2
14	14.9	21.8	18.0	86.7	3.2	0.0	3.2	1.7
15	14.8	23.1	18.5	82.3	0.0	0.0	0.0	6.3
16	14.9	24.0	19.2	81.3	0.0	0.0	0.0	6.3
17	13.8	23.8	18.9	71.0	0.0	0.0	0.0	4.5
18	13.4	24.1	19.2	76.7	0.0	0.0	0.0	4.4
19	12.8	24.8	20.5	72.3	0.0	0.0	0.0	6.0
20	13.8	25.4	20.0	75.0	0.0	0.0	0.0	1.2
21	15.0	24.2	20.5	75.3	0.0	0.0	0.0	1.6
22	15.8	24.2	19.1	78.3	0.0	0.0	0.0	3.0
23	14.5	24.0	18.8	77.7	0.0	0.0	0.0	3.9
24	14.8	22.0	18.9	76.7	0.0	0.0	0.0	3.0
25	13.1	22.4	18.1	82.0	.9	1.1	2.0	4.9
26	14.3	23.8	18.3	86.7	.4	.2	.6	
27	12.6	24.0	18.8	82.0	0.0	0.0	0.0	6.0
28	12.7	25.0	18.8	80.7	.1	0.0	.1	.5
29	14.5	23.0	17.6	83.0	3.4	.3	3.7	1.3
30	14.0	24.0	17.5	82.3	0.0	0.0	0.0	4.5
31	15.1	22.1	17.7	93.0	0.0	0.0	0.0	
TOTAL PROMEDIO	14.3	23.7	18.6	82.9	55.6	32.4	88.0	

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.0	23.1	18.3	88.3	0.0	0.0	0.0	
2	14.0	23.8	19.0	78.0	0.0	0.0	0.0	7.4
3	14.2	24.0	19.6	82.3	0.0	0.0	0.0	4.2
4	14.0	23.4	18.4	84.3	.8	.4	1.2	7.3
5	15.0	23.0	18.5	83.7	0.0	0.0	0.0	
6	15.4	27.8	20.9	64.3	0.0	0.0	0.0	9.3
7	13.8	27.9	21.2	58.7	0.0	0.0	0.0	10.0
8	15.7	26.8	20.3	73.3	3.0	.5	3.5	4.6
9	15.8	20.0	16.5	90.3	.5	0.0	.5	.4
10	14.6	23.8	18.7	82.0	18.2	2.0	20.2	.1
11	15.0	23.0	17.4	85.3	3.5	0.0	3.5	1.2
12	13.2	26.8	20.0	77.0	0.0	0.0	0.0	6.8
13	15.4	24.0	18.8	82.3	7.2	.2	7.4	2.2
14	15.2	22.8	17.9	84.7	40.4	0.0	40.4	.8
15	14.9	24.8	18.5	84.7	0.0	.2	.2	3.7
16	13.0	25.0	19.8	78.7	0.0	0.0	0.0	2.9
17	14.6	24.6	19.7	79.3	0.0	0.0	0.0	5.5
18	15.0	25.0	20.4	70.0	0.0	0.0	0.0	
19	13.2	26.8	19.8	65.7	0.0	0.0	0.0	
20	14.6	26.9	20.9	55.3	0.0	0.0	0.0	8.8
21	19.0	25.0	21.5	51.7	0.0	0.0	0.0	
22	15.0	26.0	21.0	61.3	0.0	0.0	0.0	7.6
23	12.8	24.8	19.2	80.3	0.0	0.0	0.0	3.6
24	14.2	22.8	18.0	86.0	0.0	.5	.5	1.4
25	15.0	24.1	19.7	68.7	0.0	0.0	0.0	2.4
26	11.0	24.6	18.0	73.0	0.0	0.0	0.0	6.4
27	14.7	25.4	20.7	63.0	0.0	0.0	0.0	2.7
28	16.0	25.5	21.8	47.0	0.0	0.0	0.0	10.7
29	15.6	26.5	21.2	53.0	0.0	0.0	0.0	
30	18.4	26.6	21.9	48.0	0.0	0.0	0.0	7.5
31								
TOTAL PROMEDIO	14.8	24.8	19.6	72.7	73.6	3.8	77.4	

ESTACION: LA CAMPINA

DPTO: CAUCA

LATITUD : 02° 24'N

ANO : 1990

MPIO: TIMBIO

LONGITUD: 76° 40'W

ALTITUD : 1800 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.8	27.3	20.5	62.0	0.0	0.0	0.0	
2	14.0	25.6	18.4	83.3	4.0	0.0	4.0	
3	14.7	21.8	18.1	85.3	0.0	13.0	13.0	
4	14.1	24.0	18.9	75.0	0.0	0.0	0.0	3.7
5	14.9	23.1	18.5	81.7	0.0	0.0	0.0	.9
6	15.8	25.8	18.6	75.3	0.0	0.0	0.0	3.8
7	11.8	24.4	18.9	73.3	0.0	0.0	0.0	3.7
8	13.6	26.2	18.3	79.0	18.2	10.0	28.2	3.4
9	14.0	23.0	17.5	78.0	18.4	7.4	25.8	3.0
10	15.6	22.2	17.4	83.3	7.2	.4	7.6	1.5
11	13.9	23.2	18.4	85.3	4.6	0.0	4.6	3.6
12	13.8	21.0	17.0	77.3	0.0	0.0	0.0	.4
13	11.0	24.8	19.4	64.3	0.0	0.0	0.0	7.6
14	10.8	26.5	19.8	58.3	0.0	0.0	0.0	9.0
15	13.2	23.1	18.0	81.7	1.2	0.0	1.2	3.8
16	13.8	25.0	18.3	80.7	12.6	.6	13.2	3.5
17	15.4	22.8	17.7	81.3	.2	0.0	.2	4.0
18	12.5	22.4	17.7	87.0	.8	0.0	.8	2.9
19	13.5	26.0	19.2	66.7	0.0	0.0	0.0	6.8
20	10.7	25.3	18.0	77.0	0.0	0.0	0.0	6.6
21	9.8	24.6	18.4	78.0	0.0	.2	.2	5.2
22	11.2	26.4	19.9	60.3	0.0	1.4	1.4	5.1
23	13.5	24.6	18.2	73.3	.2	0.0	.2	3.1
24	10.0	25.8	19.3	60.0	0.0	0.0	0.0	10.0
25	12.1	27.2	20.1	51.7	0.0	0.0	0.0	8.8
26	10.4	24.8	19.2	46.7	0.0	0.0	0.0	10.0
27	10.0	24.9	18.8	58.3	0.0	0.0	0.0	6.2
28	12.6	24.5	19.1	61.3	0.0	0.0	0.0	4.8
29	16.5	26.3	21.0	54.0	0.0	0.0	0.0	5.3
30	15.1	26.1	20.6	52.0	0.0	0.0	0.0	9.4
31	11.2	25.3	18.6	60.3	0.0	0.0	0.0	10.1
TOTAL PROMEDIO	13.0	24.7	18.7	70.7	67.4	33.0	100.4	

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	10.0	25.0	18.8	56.3	0.0	0.0	0.0	5.4
2	11.4	24.9	18.5	59.0	0.0	0.0	0.0	6.4
3	13.0	24.4	19.4	56.3	0.0	0.0	0.0	8.1
4	14.8	23.2	18.2	66.7	0.0	0.0	0.0	.2
5	11.3	25.1	19.3	58.7	0.0	0.0	0.0	7.5
6	12.9	26.2	20.0	58.3	0.0	0.0	0.0	7.9
7	14.0	25.8	19.0	61.0	0.0	0.0	0.0	8.8
8	14.2	25.3	19.5	60.0	0.0	0.0	0.0	5.8
9	15.0	26.9	20.8	59.0	0.0	0.0	0.0	6.6
10	16.1	24.7	20.4	57.3	0.0	0.0	0.0	3.7
11	12.4	23.7	17.7	59.0	0.0	0.0	0.0	9.5
12	10.8	24.2	17.8	56.7	0.0	0.0	0.0	7.2
13	12.9	25.3	19.7	62.7	0.0	0.0	0.0	2.7
14	13.0	24.8	18.3	78.7	0.0	0.0	0.0	2.7
15	11.6	25.2	18.5	74.7	3.5	3.0	6.5	4.8
16	13.4	25.7	19.5	69.7	0.0	0.0	0.0	5.1
17	13.0	28.2	20.1	62.0	0.0	0.0	0.0	5.3
18	11.8	27.2	20.5	58.3	0.0	0.0	0.0	5.5
19	12.1	26.8	20.0	56.7	0.0	0.0	0.0	8.0
20	11.8	27.5	19.8	57.0	0.0	0.0	0.0	8.7
21	14.9	26.1	20.4	55.3	0.0	0.0	0.0	6.5
22	16.2	25.4	20.8	51.0	0.0	0.0	0.0	7.5
23	16.0	26.2	21.0	46.3	0.0	0.0	0.0	3.8
24	12.8	28.0	21.1	58.7	0.0	0.0	0.0	10.4
25	11.1	28.1	17.1	76.7	0.0	0.0	0.0	6.4
26	11.0	27.4	19.5	77.7	67.8	7.6	75.4	4.8
27	12.0	26.5	17.8	74.7	.5	0.0	.5	5.2
28	14.5	24.7	17.8	82.7	0.0	1.4	1.4	3.7
29	14.9	25.3	18.1	80.0	12.0	.1	12.1	3.0
30	13.6	25.1	18.6	79.3	2.8	0.0	2.8	4.6
31	13.0	25.6	18.5	77.7	5.8	0.0	5.8	5.3
TOTAL PROMEDIO	13.1	25.8	19.2	64.1	92.4	12.1	104.5	181.1

ESTACION: LA CAMPINA

DPTO: CAUCA

LATITUD : 02° 24'N

LONGITUD: 76° 40'W

ANO : 1990

MPIO: TIMBIO

ALTITUD : 1800 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	12.8	25.1	17.7	82.0	10.2	.5	10.7	5.7
2	13.0	21.4	16.8	89.3	1.5	0.0	1.5	2.8
3	12.2	25.5	19.6	74.0	0.0	0.0	0.0	4.0
4	16.1	27.0	20.7	56.0	0.0	0.0	0.0	6.1
5	14.0	28.0	21.2	55.0	0.0	0.0	0.0	6.3
6	12.0	27.2	18.3	73.3	.6	.3	.9	6.1
7	14.5	26.3	20.5	60.0	0.0	0.0	0.0	3.2
8	12.6	26.2	20.2	58.7	0.0	0.0	0.0	4.9
9	11.7	25.5	19.8	58.7	0.0	0.0	0.0	5.3
10	14.9	23.7	18.1	80.3	0.0	.3	.3	1.6
11	14.8	24.9	18.3	81.7	4.3	0.0	4.3	2.9
12	15.0	26.7	18.0	83.3	.9	0.0	.9	4.2
13	13.2	27.8	20.6	50.3	0.0	.1	.1	7.0
14	16.5	24.0	20.0	56.0	0.0	.7	.7	2.4
15	14.1	28.3	21.0	53.0	0.0	0.0	0.0	5.2
16	12.8	28.1	20.2	56.3	0.0	0.0	0.0	8.1
17	11.2	28.4	20.7	56.7	0.0	0.0	0.0	8.7
18	11.0	28.7	20.4	65.3	0.0	0.0	0.0	7.9
19	12.8	28.2	19.8	68.3	3.2	0.0	3.2	6.5
20	14.8	25.2	18.9	75.0	.1	0.0	.1	4.1
21	12.8	26.1	18.6	75.3	0.0	6.0	6.0	4.1
22	13.5	23.2	18.2	74.0	0.0	0.0	0.0	.2
23	14.6	24.0	16.9	82.3	0.0	23.3	23.3	1.2
24	13.8	26.3	18.5	80.0	0.0	0.0	0.0	6.4
25	13.9	25.0	18.5	79.0	0.0	28.0	28.0	2.9
26	12.4	26.4	18.9	82.3	0.0	16.0	16.0	5.7
27	13.8	23.0	19.5	75.3	0.0	0.0	0.0	2.4
28	11.5	26.3	19.9	66.3	0.0	0.0	0.0	6.2
29	12.8	25.1	20.2	74.7	0.0	0.0	0.0	2.6
30	13.8	26.5	18.4	85.3	0.0	5.0	5.0	5.1
31								
TOTAL PROMEDIO	13.4	25.9	19.3	70.3	20.8	80.2	101.0	139.8

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.8	20.3	17.3	92.7	0.0	9.0	9.0	.2
2	15.6	21.4	17.7	90.0	0.0	13.0	13.0	.2
3	13.4	25.8	18.2	80.7	0.0	5.0	5.0	3.0
4	15.4	26.2	19.1	85.0	0.0	3.0	3.0	4.0
5	15.1	20.2	16.8	97.3	0.0	9.0	9.0	1.3
6	12.0	23.9	17.4	91.3	0.0	36.0	36.0	4.6
7	15.0	20.3	17.1	93.7	0.0	16.0	16.0	.2
8	14.8	23.9	17.8	88.7	0.0	0.0	0.0	1.6
9	14.9	24.4	18.1	89.3	0.0	15.0	15.0	2.7
10	14.8	23.0	18.2	85.7	0.0	35.0	35.0	2.1
11	14.0	23.4	17.8	88.3	1.1	.2	1.3	1.5
12	15.0	20.7	17.7	91.3	0.0	0.0	0.0	.9
13	13.5	24.2	16.8	92.3	0.0	0.0	0.0	1.3
14	13.0	24.5	18.0	88.0	29.3	0.0	29.3	3.4
15	12.8	23.4	16.7	91.3	19.6	0.0	19.6	1.6
16	13.5	24.0	17.7	88.0	.7	0.0	.7	3.6
17	14.1	17.2	15.6	96.3	2.5	0.0	2.5	1.5
18	13.2	25.7	19.5	83.0	0.0	44.2	44.2	4.2
19	14.0	24.2	17.2	92.0	0.0	0.0	0.0	3.6
20	14.3	21.2	17.4	92.0	2.2	.3	2.5	.7
21	14.0	24.2	18.6	89.0	.3	1.3	1.6	6.3
22	14.1	22.0	17.0	89.3	15.2	.1	15.3	.3
23	13.8	22.5	16.9	84.3	19.3	3.5	22.8	1.3
24	14.1	22.0	16.8	92.7	22.1	0.0	22.1	.2
25	12.6	24.8	18.8	82.7	0.0	0.0	0.0	5.7
26	14.8	24.0	20.3	78.3	0.0	0.0	0.0	2.9
27	12.5	25.5	17.7	90.3	.7	5.4	6.1	5.4
28	14.8	25.3	18.9	85.3	.1	15.8	15.9	5.5
29	14.5	22.1	18.2	86.0	0.0	.3	.3	.4
30	13.0	25.1	19.3	85.7	0.0	3.2	3.2	7.2
31	15.3	25.4	18.7	84.7	3.7	30.4	34.1	5.1
TOTAL PROMEDIO	14.1	23.3	17.8	88.6	116.8	245.7	362.5	82.5

ESTACION: LA CAMPINA

DPTO: CAUCA

LATITUD : 02° 24'N

AÑO : 1990

MPIO: TIMBIO

LONGITUD : 76° 40'W

ALTITUD : 1800 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.5	24.8	19.1	84.7	0.0	.4	.4	3.2
2	15.7	23.0	18.5	87.7	7.2	33.0	40.2	1.8
3	14.8	23.2	18.3	89.0	1.9	40.1	42.0	.4
4	13.0	23.8	17.3	87.3	15.3	.1	15.4	2.8
5	15.0	22.4	17.8	93.0	2.7	2.8	5.5	1.4
6	14.5	25.1	18.3	87.3	11.3	.2	11.5	5.8
7	15.5	23.4	18.9	84.0	0.0	0.0	0.0	5.8
8	15.6	25.4	19.6	79.3	0.0	0.0	0.0	5.2
9	15.5	24.6	19.4	89.7	0.0	0.0	0.0	2.3
10	15.8	22.0	17.0	94.3	8.1	0.0	8.1	2.4
11	13.0	25.0	19.4	67.0	0.0	0.0	0.0	8.0
12	10.0	24.2	18.1	82.7	0.0	0.0	0.0	4.4
13	13.8	26.5	20.1	83.3	0.0	0.0	0.0	7.6
14	14.8	25.9	18.5	91.7	16.9	0.0	16.9	3.1
15	13.9	23.0	18.8	91.3	0.0	0.0	0.0	3.0
16	15.1	26.3	19.5	88.7	0.0	0.0	0.0	2.2
17	14.0	26.1	18.6	84.7	3.4	21.3	24.7	4.6
18	14.8	21.4	17.3	89.7	1.3	0.0	1.3	.2
19	13.0	25.5	18.4	88.0	1.8	.3	2.1	6.1
20	15.9	24.8	19.5	87.3	0.0	5.3	5.3	4.4
21	14.8	17.1	15.7	96.0	4.4	0.0	4.4	0.0
22	11.8	25.0	18.6	83.3	0.0	1.0	1.0	7.5
23	15.0	24.2	17.8	89.0	10.5	.2	10.7	2.4
24	15.1	23.2	17.6	87.3	1.1	0.0	1.1	1.9
25	11.6	24.3	18.7	88.0	0.0	1.0	1.0	5.3
26	15.4	25.8	19.2	86.7	0.0	5.3	5.3	7.3
27	14.9	26.4	18.6	86.0	1.3	.2	1.5	6.3
28	15.8	25.7	19.5	86.7	.1	17.4	17.5	5.3
29	15.0	23.2	18.0	89.3	15.5	4.9	20.4	2.0
30	14.8	23.5	18.1	95.3	1.2	0.0	1.2	2.0
31								
TOTAL PROMEDIO	14.4	24.2	18.5	87.3	104.0	133.5	237.5	114.7

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	13.0	24.0	17.9	90.3	9.8	.1	9.9	5.1
2	15.4	24.2	18.0	88.0	15.8	54.1	69.9	3.3
3	13.1	22.1	16.9	88.7	0.0	0.0	0.0	.9
4	15.0	23.8	18.2	89.0	10.7	35.3	46.0	1.7
5	13.8	16.8	15.0	96.0	0.0	0.0	0.0	0.0
6	13.2	24.0	18.8	85.3	0.0	0.0	0.0	6.6
7	13.0	24.3	17.3	85.3	26.1	0.0	26.1	5.0
8	12.0	23.0	16.2	91.0	5.8	6.6	12.4	2.4
9	11.0	24.2	17.8	86.0	0.0	9.3	9.3	5.8
10	15.0	24.0	18.9	83.7	0.0	0.0	0.0	7.7
11	14.2	24.4	17.5	86.0	10.1	3.4	13.5	7.6
12	12.4	25.0	17.8	86.7	9.5	0.0	9.5	6.6
13	12.8	24.2	18.9	84.0	0.0	0.0	0.0	7.0
14	14.8	24.0	19.4	89.0	0.0	0.0	0.0	5.2
15	13.5	25.8	18.9	81.0	0.0	0.0	0.0	6.7
16	13.4	25.0	19.2	71.7	0.0	0.0	0.0	3.9
17	14.6	24.2	18.5	90.0	0.0	0.0	0.0	2.7
18	13.4	24.1	19.1	85.7	0.0	0.0	0.0	5.3
19	14.0	23.5	18.8	85.3	.2	0.0	.2	2.9
20	15.1	27.0	20.0	86.0	0.0	0.0	0.0	6.9
21	14.7	26.7	19.7	84.0	0.0	2.8	2.8	7.7
22	15.9	20.2	16.3	94.7	18.9	.1	19.0	.2
23	11.8	25.1	18.3	85.0	0.0	1.9	1.9	7.0
24	15.6	21.2	17.5	92.0	1.6	.6	2.2	.1
25	15.7	26.2	19.4	84.3	0.0	0.0	0.0	7.9
26	15.0	22.3	18.4	91.7	15.4	0.0	15.4	2.2
27	15.7	21.4	18.0	92.7	4.3	0.0	4.3	.7
28	14.2	23.0	18.0	94.3	0.0	0.0	0.0	1.1
29	12.8	25.1	18.0	86.0	1.0	.3	1.3	4.4
30	15.7	23.5	17.0	90.7	6.8	.1	6.9	1.6
31	13.8	24.0	16.5	89.3	1.9	.1	2.0	3.0
TOTAL PROMEDIO	14.0	23.8	18.0	87.5	137.9	114.7	252.6	129.2



ESTACION: LA CAMPIÑA

DPTO: CAUCA

LATITUD : 02° 24'N

ANO : 1990

MPIO: TIMBIO

LONGITUD: 76° 40'W

ALTITUD : 1800 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	14.4	24.2	18.7	12.4	26.9	81.5	232.6	16	153.0
FEBRERO	14.6	23.6	18.1	11.8	27.5	85.1	251.0	22	100.7
MARZO	15.0	24.6	18.9	12.8	28.7	80.4	131.8	19	110.5
ABRIL	14.7	22.9	18.0	13.2	26.2	86.0	168.7	20	
MAYO	14.3	23.7	18.6	12.6	25.9	82.9	88.0	16	
JUNIO	14.8	24.8	19.6	11.0	27.9	72.7	77.4	9	
JULIO	13.0	24.7	18.7	9.8	27.3	70.7	100.4	13	
AGOSTO	13.1	25.8	19.2	10.0	28.2	64.1	104.5	7	181.1
SEPTIEMBRE	13.4	25.9	19.3	11.0	28.7	70.3	101.0	15	139.8
OCTUBRE	14.1	23.3	17.8	12.0	26.2	88.6	362.5	25	82.5
NOVIEMBRE	14.4	24.2	18.5	10.0	26.5	87.3	237.5	22	114.7
DICIEMBRE	14.0	23.8	18.0	11.0	27.0	87.5	252.6	18	129.2
PROMEDIO	14.2	24.3	18.6			79.7			
ABSOLUTA				9.8	28.7				
TOTAL							2108.0	202	

ESTACION: PUEBLO BELLO

DPTO: CESAR

LATITUD : 10° 25'N

AÑO : 1990

MPIO: VALLEDUPAR

LONGITUD: 73° 34'W

ALTITUD : 1000 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.0	26.0	20.4	79.3				
2	14.6	27.8	21.6	77.3				5.4
3	14.4	26.2	19.8	81.7				6.2
4	14.2	27.2	19.7	84.3				5.8
5	14.4	26.9	19.7	80.7				8.6
6	13.2	27.1	20.8	76.3				9.1
7	13.0	26.8	19.4	78.0				
8	11.5	26.8	21.1	76.3				8.3
9	12.5	27.4	21.4	76.0				8.1
10	12.3	26.3	19.0	79.7				9.2
11	12.2	27.2	19.5	83.3				9.2
12	13.3	26.0	20.2	79.7				5.4
13	15.1	27.0	21.3	79.3				
14	14.6	25.4	20.1	80.3				
15	13.0	26.0	21.3	81.3				
16	12.5	26.7	21.1	73.3				9.6
17	13.0	27.0	20.5	77.0				9.1
18	13.3	28.1	19.1	78.7				9.4
19	13.6	28.4	22.1	74.3				
20	14.2	28.6	22.7	68.7				7.9
21	14.1	29.0	22.9	71.7				9.0
22	14.4	27.0	22.8	72.7				6.7
23	14.2	29.0	23.0	72.7				9.0
24	16.0	28.9	24.0	72.3				9.4
25	13.8	29.8	24.3	71.0				8.0
26	14.9	26.4	22.4	77.7				
27	15.5	28.0	22.9	78.7				
28	13.9	28.3	23.4	71.0				
29	14.0	29.9	21.4	72.7				
30	14.6	30.0	22.8	75.7				
31	16.5	29.9	23.2	76.7				
TOTAL PROMEDIO	13.9	27.6	21.4	76.7				

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.0	29.0	23.2	79.0				
2	14.9	28.4	21.8	80.0				
3	15.2	28.2	21.7	78.7				
4	15.1	28.0	22.0	78.7				
5	18.2	25.0	21.0	87.0				
6	18.8	26.0	20.7	87.0				
7	18.0	27.1	21.3	80.0				
8	15.4	28.2	21.3	74.7				
9	14.8	28.1	20.3	75.0				
10	11.0	28.6	21.1	75.7				
11	14.4	28.2	21.4	71.7				
12								
13								
14								
15								
16								
17								
18								
19	12.8	28.3	20.0	73.0				
20	15.0	27.8	19.3	80.0				
21	14.0	26.5	20.0	81.7				
22	15.0	27.5	20.4	78.3				
23	13.5	27.0	20.4	75.3				
24	13.8	26.6	20.1	75.3				
25	8.7	26.0	19.0	62.7				
26	8.0	27.6	20.4	68.3				
27	11.0	28.1	19.2	70.7				
28	11.5	27.0	19.9	73.3				
29								
30								
31								
TOTAL PROMEDIO								

ESTACION: PUEBLO BELLO

DPTO: CESAR

LATITUD : 10° 25'N

AÑO : 1990

MPIO: VALLEDUPAR

LONGITUD: 73° 34'W

ALTITUD : 1000 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.0	27.0	19.8	79.7				
2	13.0	26.9	20.1	78.7				
3	13.5	27.1	21.1	79.7				
4	14.6	26.2	20.7	80.3				
5	14.0	27.6	21.0	78.7				
6	16.1	28.8	22.2	69.7				
7	14.0	29.3	22.3	66.3				
8	14.8	29.9	22.1	70.3				
9	15.0	29.0	21.7	77.0				
10	14.8	29.2	22.6	74.7				
11	17.2	26.8	22.0	78.3				
12	15.8	31.0	23.0	73.3				
13	16.0	30.5	24.7	69.7				
14	15.8	29.3	23.3	70.3				
15	16.1	29.1	21.5	78.0				
16	15.4	29.4	23.6	69.7				
17	17.8	28.8	22.8	78.3				
18	16.2	28.0	22.9	74.3				
19	16.0	29.0	22.4	76.0				
20	15.2	28.6	22.2	75.3				
21	17.2	27.8	22.2	78.0				
22	16.8	27.0	21.7	83.0				
23	18.4	28.4	22.7	70.0				
24	17.8	28.1	23.0	71.3				
25	14.9	27.4	23.0	76.0				
26	17.8	24.8	20.5	83.0				
27	18.0	27.3	22.3	75.3				
28	16.2	26.8	21.9	73.3				
29	17.2	28.4	23.3	67.3				
30	16.5	30.2	23.6	68.7				
31	18.0	29.2	23.1	77.7				
TOTAL PROMEDIO	15.9	28.3	22.2	74.9				

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	19.0	28.0	21.2	81.0	0.0	0.0	0.0	
2	15.8	26.2	21.2	84.3	0.0	0.0	0.0	
3	18.8	27.8	21.7	80.7	.5	0.0	.5	
4	17.0	25.4	21.6	83.3	31.0	0.0	31.0	
5	16.8	27.0	21.6	82.0	.7	.6	1.3	
6	16.6	28.0	20.6	84.7	33.1	1.3	34.4	
7	16.9	28.2	21.7	83.3	1.1	0.0	1.1	
8	15.0	32.0	24.1	53.7	0.0	0.0	0.0	
9	14.2	29.4	23.5	72.7	0.0	0.0	0.0	
10	14.1	30.5	23.1	64.7	0.0	0.0	0.0	
11	15.2	30.2	23.1	75.0	0.0	0.0	0.0	
12	17.8	29.0	23.2	77.7	0.0	0.0	0.0	
13	16.9	28.4	23.0	79.7	.2	0.0	.2	
14	17.0	29.2	22.7	79.7	0.0	0.0	0.0	
15	18.0	29.0	21.8	88.0	0.0	.7	.7	
16	19.2	26.0	22.3	83.0	8.3	40.3	48.6	
17	19.8	26.2	22.3	83.3	0.0	.9	.9	
18	16.0	27.0	21.3	80.0	0.0	0.0	0.0	
19	14.8	28.0	21.5	81.0	0.0	0.0	0.0	
20	14.1	27.9	21.7	76.7	0.0	0.0	0.0	
21	15.8	27.0	20.7	83.3	0.0	0.0	0.0	
22	17.2	26.9	21.9	83.7	0.0	0.0	0.0	
23	17.6	28.0	21.3	85.3	1.9	15.5	17.4	
24	19.0	28.5	22.4	82.3	11.7	.2	11.9	
25	18.8	25.4	21.2	88.7	48.9	0.0	48.9	
26	17.8	25.5	20.4	87.7	47.6	.1	47.7	
27	16.5	26.4	21.5	85.7	14.0	0.0	14.0	3.5
28	18.5	25.2	20.5	85.3	38.5	11.7	50.2	1.3
29	17.5	25.0	21.2	87.3	2.6	16.1	18.7	5.7
30	18.5	28.0	21.6	79.7	15.5	2.5	18.0	1.3
31								
TOTAL PROMEDIO	17.0	27.6	21.8	80.8	255.6	89.9	345.5	

ESTACION: PUEBLO BELLO

DPTO: CESAR

LATITUD : 10° 25'N

AÑO : 1990

MPIO: VALLEDUPAR

LONGITUD: 73° 34'W

ALTITUD : 1000 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	26.4	20.8	84.3	24.9	27.0	51.9	3.0
2	16.0	26.5	21.4	86.7	10.6	0.0	10.6	3.8
3	15.8	27.0	21.0	83.3	1.7	0.0	1.7	4.6
4	16.0	25.8	20.0	86.3	25.4	0.0	25.4	1.8
5	17.0	27.1	20.9	84.0	22.2	.9	23.1	1.4
6	16.2	27.3	22.0	82.0	.1	2.7	2.8	6.4
7	16.0	25.5	21.0	91.0	25.3	0.0	25.3	4.8
8	18.2	24.2	20.7	90.7	0.0	.4	.4	6.3
9	17.0	26.0	20.2	87.0	0.0	0.0	0.0	8.9
10	16.0	24.8	19.8	87.0	0.0	3.0	3.0	6.2
11	16.4	24.9	19.8	86.3	.4	3.3	3.7	7.8
12	17.2	24.8	19.9	83.3	0.0	0.0	0.0	7.4
13	17.1	26.0	21.0	86.7	0.0	0.0	0.0	4.6
14	19.8	26.4	21.0	86.7	0.0	0.0	0.0	1.1
15	17.0	25.8	22.1	87.7	0.0	0.0	0.0	4.8
16	16.0	28.0	22.8	81.3	0.0	0.0	0.0	10.2
17	16.2	26.0	20.6	86.0	0.0	0.0	0.0	4.8
18	16.4	25.0	22.2	84.7	4.5	0.0	4.5	5.0
19	16.2	26.9	21.7	85.3	0.0	0.0	0.0	8.1
20	16.0	25.8	21.6	85.3	0.0	0.0	0.0	6.9
21	17.0	24.0	21.8	87.7	.1	13.0	13.1	4.3
22	19.0	26.4	21.9	86.0	0.0	0.0	0.0	1.6
23	16.0	28.4	22.3	81.3	0.0	0.0	0.0	5.8
24	18.0	28.2	21.7	86.7	1.2	1.7	2.9	3.6
25	16.5	26.4	21.9	87.0	0.0	5.7	5.7	
26	19.1	28.1	23.2	83.3	4.3	2.3	6.6	
27	18.6	27.2	22.5	85.0	42.1	.1	42.2	
28	17.4	20.0	18.4	92.7	6.0	.8	6.8	
29	17.0	25.0	20.8	88.3	.3	.1	.4	
30	15.4	27.5	20.8	85.0	0.0	.2	.2	2.8
31	15.2	27.4	21.1	78.0	0.0	0.0	0.0	7.1
TOTAL PROMEDIO	16.9	26.1	21.2	85.7	169.1	61.2	230.3	

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	24.8	19.7	88.0	12.9	0.0	12.9	
2	15.8	25.4	21.2	83.3	0.0	0.0	0.0	
3	14.0	27.4	20.4	78.0	0.0	0.0	0.0	
4	13.8	28.8	21.7	84.3	0.0	0.0	0.0	
5	18.1	27.0	23.1	83.7	0.0	0.0	0.0	9.0
6	19.0	28.5	22.6	82.7	0.0	0.0	0.0	
7	16.5	27.0	21.6	85.7	0.0	4.5	4.5	5.6
8	17.8	27.2	20.1	82.0	0.0	0.0	0.0	7.0
9	19.8	27.8	21.6	84.0	14.2	.9	15.1	5.4
10	16.0	26.6	20.1	86.0	15.2	.2	15.4	2.0
11	17.0	25.0	20.4	89.3	3.4	15.7	19.1	1.5
12	17.4	27.0	21.6	84.3	0.0	0.0	0.0	2.8
13	17.5	27.8	20.9	85.3	38.8	18.3	57.1	5.9
14	17.0	28.0	21.8	84.7	0.0	0.0	0.0	.9
15	17.6	27.8	22.0	82.7	9.6	3.3	12.9	6.4
16	17.0	26.1	22.4	85.3	0.0	0.0	0.0	2.5
17	19.0	25.5	20.9	90.3	12.6	0.0	12.6	5.5
18	18.8	24.8	20.9	90.0	0.0	0.0	0.0	7.2
19	16.0	28.0	21.6	80.7	0.0	0.0	0.0	7.4
20	17.2	28.1	21.6	82.0	0.0	.3	.3	7.5
21	18.0	26.2	21.5	83.3	0.0	0.0	0.0	7.2
22	16.7	26.4	21.2	84.0	15.0	1.6	17.6	6.2
23	17.2	27.8	21.7	80.7	0.0	1.5	1.5	5.1
24	17.4	27.0	20.3	86.0	0.0	0.0	0.0	2.9
25	15.2	25.7	20.9	85.0	0.0	0.0	0.0	6.8
26	17.0	28.8	22.8	81.3	0.0	0.0	0.0	4.6
27	17.2	28.7	23.4	82.7	0.0	0.0	0.0	4.9
28	19.2	28.5	22.6	83.3	0.0	0.0	0.0	2.9
29	17.5	28.2	22.4	81.0	0.0	0.0	0.0	7.3
30	17.6	28.0	20.5	86.0	0.0	0.0	0.0	5.1
31								
TOTAL PROMEDIO	17.1	27.1	21.4	84.2	122.7	46.3	169.0	

ESTACION: PUEBLO BELLO

DPTO: CESAR

LATITUD : 10° 25'N

LONGITUD: 73° 34'W

AÑO : 1990

MPIO: VALLEDUPAR

ALTITUD : 1000 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.8	25.0	21.1	87.3	0.0	0.0	0.0	3.2
2	16.0	26.1	21.5	83.0	0.0	0.0	0.0	8.4
3	17.6	27.0	21.9	84.7	0.0	0.0	0.0	5.7
4	16.7	28.0	21.8	84.0	0.0	0.0	0.0	7.3
5	17.8	25.5	21.8	87.7	42.9	8.8	51.7	5.5
6	18.5	27.1	22.5	77.7	9.2	.6	9.8	4.5
7	16.1	28.8	22.3	75.0	.3	0.0	.3	7.1
8	17.4	27.4	21.8	81.3	0.0	0.0	0.0	8.4
9	17.2	29.2	23.5	71.7	0.0	0.0	0.0	9.6
10	15.4	27.2	23.0	77.7	0.0	0.0	0.0	7.2
11	16.0	27.1	22.4	81.3	0.0	0.0	0.0	2.3
12	16.8	26.2	20.7	84.0	0.0	0.0	0.0	8.6
13	16.1	25.0	19.8	88.7	0.0	0.0	0.0	5.9
14	16.0	25.4	20.3	86.7	0.0	0.0	0.0	3.2
15	15.8	26.5	21.8	84.0	0.0	0.0	0.0	1.1
16	16.0	29.4	23.5	73.0	0.0	0.0	0.0	2.6
17	14.4	26.2	21.8	80.0	0.0	0.0	0.0	8.7
18	18.0	25.1	21.3	87.3	0.0	0.0	0.0	7.1
19	16.8	26.6	22.3	85.0	0.0	0.0	0.0	8.0
20	16.2	26.4	22.1	80.0	0.0	0.0	0.0	9.0
21	16.7	24.2	21.0	80.7	0.0	0.0	0.0	9.7
22	16.0	25.1	21.2	80.0	0.0	0.0	0.0	4.7
23	17.0	27.0	21.5	78.3	0.0	0.0	0.0	6.9
24	16.4	25.8	21.3	78.7	7.9	0.0	7.9	6.3
25	16.8	25.9	20.2	84.7	0.0	0.0	0.0	7.9
26	17.4	26.8	21.7	80.0	9.4	0.0	9.4	3.7
27	16.0	28.8	22.9	79.7	2.5	.1	2.6	4.5
28	16.2	27.2	23.0	75.7	0.0	0.0	0.0	4.5
29	17.2	27.5	22.2	73.7	0.0	7.6	7.6	6.0
30	16.8	27.9	22.7	83.3	0.0	.1	.1	7.0
31	18.0	27.8	21.3	86.3	11.7	0.0	11.7	4.2
TOTAL PROMEDIO	16.6	26.7	21.8	81.3	83.9	17.2	101.1	188.8

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.8	28.0	21.5	82.0	0.0	0.0	0.0	8.3
2	15.4	26.6	21.4	81.3	0.0	0.0	0.0	7.1
3	17.5	28.0	22.2	76.3	0.0	.1	.1	6.9
4	18.0	26.4	21.2	82.7	8.4	0.0	8.4	6.0
5	15.4	27.1	21.8	82.7	1.2	3.6	4.8	6.2
6	16.0	29.0	20.7	78.3	26.2	0.0	26.2	6.3
7	17.8	27.1	19.8	84.7	18.8	0.0	18.8	5.7
8	16.6	26.4	20.3	82.0	0.0	0.0	0.0	4.8
9	17.0	26.6	21.3	85.7	0.0	0.0	0.0	6.5
10	16.4	27.8	20.5	85.0	46.0	0.0	46.0	6.6
11	15.4	25.0	21.4	84.3	0.0	0.0	0.0	9.2
12	15.8	27.1	22.0	82.3	0.0	0.0	0.0	6.3
13	17.1	26.2	21.3	83.7	.2	0.0	.2	4.2
14	17.4	25.4	21.0	82.0	1.0	6.2	7.2	.2
15	16.8	26.0	20.4	89.3	1.7	3.9	5.6	5.4
16	17.1	24.2	20.3	82.7	1.0	0.0	1.0	1.3
17	17.0	25.4	20.8	84.0	0.0	0.0	0.0	5.1
18	15.0	27.1	22.0	82.0	0.0	0.0	0.0	7.6
19	16.4	27.2	21.8	83.3	0.0	0.0	0.0	7.7
20	16.5	26.8	22.8	76.0	0.0	0.0	0.0	6.9
21	17.4	28.3	21.4	76.7	.2	.2	.4	7.8
22	14.7	28.4	22.2	80.7	0.0	0.0	0.0	6.5
23	16.8	26.3	19.6	87.0	11.6	.3	11.9	.2
24	16.7	25.5	20.7	87.0	0.0	0.0	0.0	5.9
25	16.0	26.1	20.1	86.7	20.9	0.0	20.9	8.2
26	16.0	27.8	20.9	85.7	0.0	0.0	0.0	6.6
27	18.8	25.5	20.7	81.7	5.5	8.8	14.3	3.1
28	17.0	26.0	20.7	83.3	4.9	42.1	47.0	5.7
29	16.8	25.9	21.1	82.0	0.0	0.0	0.0	4.6
30	18.0	26.0	21.5	84.7	0.0	0.0	0.0	5.9
31	18.4	25.8	22.2	84.0	0.0	0.0	0.0	6.8
TOTAL PROMEDIO	16.7	26.6	21.1	82.9	147.6	65.2	212.8	179.6

ESTACION: PUEBLO BELLO

DPTO: CESAR

LATITUD : 10° 25'N

ANO : 1990

MPIO: VALLEDUPAR

LONGITUD: 73° 34'W

ALTITUD : 1000 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.1	28.0	22.1	78.0	0.0	0.0	0.0	9.6
2	15.0	26.5	20.5	83.0	0.0	20.7	20.7	6.1
3	16.2	25.8	19.8	86.7	.3	0.0	.3	3.7
4	15.0	28.0	21.3	81.3	0.0	0.0	0.0	8.7
5	16.1	27.9	21.6	79.3	14.6	.2	14.8	8.8
6	15.9	28.0	21.6	83.3	.9	18.1	19.0	6.8
7	18.0	26.2	21.3	84.0	0.0	0.0	0.0	2.8
8	19.2	24.9	21.6	88.3	0.0	0.0	0.0	4.6
9	18.7	25.0	21.6	87.7	0.0	25.8	25.8	4.9
10	18.4	25.5	21.6	88.3	5.0	0.0	5.0	3.7
11	16.8	26.0	20.6	86.7	5.9	0.0	5.9	5.1
12	16.4	25.4	21.1	87.7	0.0	5.7	5.7	5.7
13	16.2	26.3	21.8	84.7	0.0	0.0	0.0	
14	16.9	25.0	20.3	86.3	0.0	12.0	12.0	
15	16.8	25.7	21.2	84.3	0.0	0.0	0.0	
16	14.7	26.1	20.6	80.7	5.2	.1	5.3	5.5
17	15.0	27.8	22.4	79.3	0.0	0.0	0.0	7.6
18	16.8	28.0	20.3	84.0	11.6	0.0	11.6	7.7
19	16.4	26.0	20.5	86.0	1.9	10.4	12.3	5.2
20	15.6	25.2	19.0	86.0	34.3	0.0	34.3	3.5
21	14.0	25.8	20.3	87.7	0.0	0.0	0.0	7.6
22	16.0	24.4	20.1	87.7	15.4	7.5	22.9	4.1
23	15.2	24.5	20.2	88.0	0.0	0.0	0.0	2.1
24	15.5	27.1	21.0	84.7	2.5	0.0	2.5	4.4
25	17.0	26.9	22.3	86.0	0.0	0.0	0.0	4.7
26	16.4	27.0	21.2	86.3	0.0	0.0	0.0	6.6
27	16.8	25.8	22.1	86.0	0.0	0.0	0.0	7.1
28	18.8	26.0	21.4	85.7	6.5	5.8	12.3	2.6
29	18.4	25.1	19.0	86.7	0.0	0.0	0.0	.6
30	14.7	26.5	21.9	82.7	0.0	0.0	0.0	4.8
31								
TOTAL PROMEDIO	16.5	26.2	21.0	84.9	104.1	106.3	210.4	

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.8	26.1	20.3	89.3	.2	8.0	8.2	4.8
2	15.4	24.8	20.0	84.3	4.5	6.2	10.7	3.7
3	17.0	25.8	21.3	84.7	0.0	0.0	0.0	5.2
4	16.0	25.2	21.7	86.3	0.0	13.3	13.3	6.1
5	17.2	26.1	20.3	78.3	2.4	3.5	5.9	6.0
6	17.0	24.7	19.4	90.7	0.0	0.0	0.0	4.0
7	16.0	25.1	20.8	90.7	10.4	.4	10.8	5.6
8	17.0	24.2	20.1	87.7	0.0	0.0	0.0	.8
9	15.8	26.2	20.9	85.7	0.0	.9	.9	8.7
10	18.6	25.2	20.6	87.7	0.0	9.2	9.2	4.4
11	18.0	26.8	21.3	84.0	.1	0.0	.1	
12	17.0	25.5	19.3	92.0	5.0	0.0	5.0	2.6
13	16.8	24.2	20.4	86.3	1.4	0.0	1.4	6.0
14	17.2	25.0	20.6	89.0	2.0	10.3	12.3	3.4
15	17.0	25.8	21.0	86.0	9.8	0.0	9.8	7.4
16	15.8	25.0	20.4	88.7	4.0	1.2	5.2	7.0
17	15.2	26.0	20.0	88.0	0.0	14.0	14.0	6.3
18	16.0	24.2	20.2	85.0	0.0	0.0	0.0	8.0
19	17.5	25.9	20.6	90.7	3.8	.0	3.8	5.0
20	15.8	24.9	18.8	91.3	8.9	0.0	8.9	2.8
21	16.0	24.8	19.5	91.0	30.9	4.1	35.0	5.7
22	15.8	25.1	20.0	90.7	3.2	.1	3.3	4.7
23	17.4	25.8	20.9	86.0	0.0	0.0	0.0	5.7
24	16.8	25.1	19.9	92.0	36.3	2.0	38.3	4.6
25	15.5	24.2	20.6	88.7	0.0	0.0	0.0	5.6
26	15.4	26.1	20.5	90.0	7.3	3.4	10.7	6.2
27	17.2	26.3	21.1	81.3	15.2	14.1	29.3	4.0
28	16.0	24.2	19.8	86.3	10.8	0.0	10.8	4.3
29	16.2	26.1	20.8	89.3	0.0	0.0	0.0	5.7
30	17.1	25.8	20.9	88.7	.5	19.2	19.7	5.1
31	18.4	24.2	20.6	90.7	2.2	0.0	2.2	3.6
TOTAL PROMEDIO	16.6	25.3	20.4	87.8	158.9	109.9	268.8	

ESTACION: PUEBLO BELLO

DPTO: CESAR

LATITUD : 10° 25'N

ANO : 1990

MPIO: VALLEDUPAR

LONGITUD : 73° 34'W

ALTITUD : 1000 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	25.0	20.6	89.3	33.6	.9	34.5	5.8
2	16.5	24.6	20.8	91.3	0.0	0.0	0.0	6.0
3	17.0	25.0	20.8	89.7	2.9	0.0	2.9	4.1
4	16.8	25.2	20.9	85.0	13.7	1.3	15.0	3.2
5	16.7	25.0	20.5	87.7	10.7	19.5	30.2	3.1
6	18.2	24.8	20.8	90.3	0.0	0.0	0.0	7.4
7	16.4	26.5	20.8	88.3	0.0	1.2	1.2	7.0
8	16.8	25.6	20.9	90.7	0.0	.9	.9	5.7
9	16.4	25.8	21.0	89.0	0.0	0.0	0.0	6.2
10	17.0	25.4	21.8	88.0	0.0	.4	.4	6.8
11	16.8	27.1	20.6	86.7	25.4	0.0	25.4	5.3
12	16.0	26.4	21.1	88.3	0.0	0.0	0.0	5.4
13	16.2	28.0	21.2	89.3	3.1	0.0	3.1	6.7
14	16.0	27.1	22.3	85.7	0.0	0.0	0.0	8.9
15	15.8	27.8	21.1	88.0	0.0	0.0	0.0	8.4
16	16.0	26.0	20.8	89.0	23.0	0.0	23.0	6.7
17	16.2	25.8	20.6	88.3	.2	1.1	1.3	6.5
18	18.2	23.2	19.9	90.7	.3	4.7	5.0	.4
19	17.5	26.2	20.8	87.0	16.5	0.0	16.5	6.9
20	15.6	26.0	21.5	87.3	0.0	0.0	0.0	8.5
21	16.0	25.9	21.7	86.0	0.0	0.0	0.0	8.6
22	14.2	25.8	20.4	89.3	.1	0.0	.1	8.5
23	15.8	25.7	20.1	88.3	.1	0.0	.1	7.3
24	14.0	25.8	19.8	84.3	0.0	0.0	0.0	8.0
25	13.8	25.9	19.6	85.3	0.0	0.0	0.0	8.5
26	15.4	26.0	20.0	86.0	0.0	0.0	0.0	8.5
27	15.1	25.5	20.2	86.0	0.0	0.0	0.0	6.5
28	16.2	27.5	21.2	88.7	0.0	7.4	7.4	4.4
29	17.9	24.9	20.5	88.3	1.6	0.0	1.6	2.5
30	16.1	24.8	20.8	88.0	0.0	.4	.4	5.4
31								
TOTAL PROMEDIO	16.3	25.8	20.7	88.0	131.2	37.8	169.0	187.2

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	25.0	20.6	86.7	0.0	0.0	0.0	6.3
2	15.2	25.4	20.0	90.7	0.0	0.0	0.0	4.0
3	17.6	25.0	20.3	89.3	0.0	0.0	0.0	5.3
4	16.2	26.0	21.0	89.7	0.0	0.0	0.0	6.7
5	17.0	25.8	20.0	86.7	0.0	0.0	0.0	0.0
6	16.9	22.3	19.2	88.3	2.1	0.0	2.1	4.7
7	16.8	24.7	20.2	84.7	44.8	0.0	44.8	0.0
8	16.6	24.4	19.9	87.7	1.3	8.4	9.7	2.7
9	17.8	21.0	19.5	91.0	.5	3.2	3.7	3.3
10	17.1	23.9	19.8	86.3	0.0	0.0	0.0	0.0
11	14.0	24.5	19.6	86.0	0.0	0.0	0.0	8.2
12	14.9	25.0	19.8	89.0	0.0	0.0	0.0	9.2
13	14.8	25.2	20.4	90.3	0.0	0.0	0.0	8.5
14	14.9	25.3	19.3	85.0	0.0	0.0	0.0	9.1
15	13.2	27.2	19.7	87.3	0.0	0.0	0.0	9.3
16	14.2	26.0	19.7	87.3	0.0	0.0	0.0	8.2
17	14.6	27.4	19.7	80.7	0.0	0.0	0.0	8.2
18	13.0	25.9	19.4	87.0	0.0	0.0	0.0	9.1
19	12.8	27.4	19.4	84.7	0.0	0.0	0.0	9.3
20	11.8	26.1	19.4	83.3	0.0	0.0	0.0	8.9
21	13.5	25.4	18.2	81.3	0.0	0.0	0.0	6.2
22	9.7	25.0	17.7	79.0	0.0	0.0	0.0	9.1
23	11.8	26.2	18.2	78.7	0.0	0.0	0.0	9.4
24	12.5	25.8	19.4	79.0	0.0	0.0	0.0	9.5
25	12.4	25.4	19.8	81.3	0.0	0.0	0.0	8.3
26	12.0	25.3	18.9	81.7	0.0	0.0	0.0	9.3
27	12.8	26.4	19.8	80.7	0.0	0.0	0.0	9.5
28	13.2	26.9	19.6	79.3	0.0	0.0	0.0	8.4
29	13.4	26.4	20.3	82.7	0.0	0.0	0.0	8.2
30	13.5	26.0	18.9	82.3	0.0	0.0	0.0	9.4
31	14.0	25.5	20.3	80.7	0.0	0.0	0.0	0.0
TOTAL PROMEDIO	14.3	25.4	19.6	84.8	48.7	11.6	60.3	

ESTACION: PUEBLO BELLO  
 AÑO : 1990

DPTO: CESAR  
 MPIO: VALLEDUPAR

LATITUD : 10° 25'N  
 LONGITUD: 73° 34'W  
 ALTITUD : 1000 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	BRILLO SOL(h)
ENERO	13.9	27.6	21.4	11.5	30.0	76.7			
FEBRERO									
MARZO	15.9	28.3	22.2	13.0	31.0	74.9			
ABRIL	17.0	27.6	21.8	14.1	32.0	80.8	345.5	17	
MAYO	16.9	26.1	21.2	15.2	28.4	85.7	230.3	19	
JUNIO	17.1	27.1	21.4	13.8	28.8	84.2	169.0	11	
JULIO	16.6	26.7	21.8	14.4	29.4	81.3	101.1	9	188.8
AGOSTO	16.7	26.6	21.1	14.7	29.0	82.9	212.8	15	179.6
SEPTIEMBRE	16.5	26.2	21.0	14.0	28.0	84.9	210.4	16	
OCTUBRE	16.6	25.3	20.4	15.2	26.8	87.8	268.8	24	
NOVIEMBRE	16.3	25.8	20.7	13.8	28.0	88.0	169.0	18	187.2
DICIEMBRE	14.3	25.4	19.6	9.7	27.4	84.8	60.3	4	
PROMEDIO ABSOLUTA TOTAL									



ESTACION: MONTELIBANO

DPTO: CUNDINAMARCA

LATITUD : 05° 28'N

AÑO : 1990

MPIO: YACOPI

LONGITUD: 74° 22'W

ALTITUD : 1340 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.4	23.6	19.6	86.0	0.0	0.0	0.0	6.6
2	17.5	24.0	19.9	87.3	0.0	0.0	0.0	2.4
3	17.4	25.4	20.3	88.3	0.0	0.0	0.0	1.7
4	17.0	25.5	20.8	87.3	0.0	11.0	11.0	4.7
5	17.4	25.0	19.6	88.3	8.9	0.0	8.9	3.9
6	16.0	25.1	20.3	86.0	0.0	10.0	10.0	4.4
7	16.7	24.4	19.7	89.7	19.5	0.0	19.5	3.4
8	17.4	24.2	20.2	90.3	1.6	0.0	1.6	2.4
9	17.5	22.8	19.5	91.0	0.0	.7	.7	1.6
10	17.4	23.2	19.8	90.7	0.0	0.0	0.0	2.3
11	18.0	25.0	20.5	88.7	0.0	0.0	0.0	3.7
12	17.8	24.1	19.3	91.3	4.6	19.3	23.9	2.1
13	16.0	25.4	19.6	83.3	.6	0.0	.6	6.9
14	16.6	24.5	19.4	92.0	.9	.7	1.6	.7
15	16.8	23.8	20.5	87.3	0.0	0.0	0.0	4.3
16	18.0	24.0	20.6	89.3	0.0	0.0	0.0	3.4
17	17.8	26.0	21.0	88.0	0.0	0.0	0.0	3.0
18	18.0	25.0	19.9	90.3	0.0	7.3	7.3	4.5
19	18.4	26.7	21.3	86.3	0.0	0.0	0.0	4.4
20	16.8	26.5	21.0	83.7	0.0	0.0	0.0	4.5
21	17.8	25.8	21.1	88.3	0.0	0.0	0.0	3.0
22	17.5	23.8	20.3	92.0	0.0	0.0	0.0	.5
23	18.0	27.4	21.5	87.7	0.0	0.0	0.0	5.7
24	18.4	28.5	21.8	87.0	0.0	0.0	0.0	7.3
25	18.6	29.5	23.2	82.0	0.0	0.0	0.0	8.3
26	19.5	23.4	19.3	89.3	6.0	.1	6.1	0.0
27	17.0	24.9	20.8	81.0	0.0	0.0	0.0	4.9
28	18.0	28.5	22.3	85.0	0.0	0.0	0.0	8.1
29	18.2	28.4	22.4	85.3	0.0	8.5	8.5	6.2
30	19.3	25.0	21.6	88.7	0.0	0.0	0.0	2.8
31	19.2	25.2	21.5	87.3	0.0	0.0	0.0	3.0
TOTAL PROMEDIO	17.7	25.3	20.6	87.7	42.1	57.6	99.7	120.7

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	19.0	26.8	22.4	85.3	0.0	.3	.3	4.6
2	19.1	25.0	21.1	88.3	0.0	0.0	0.0	.6
3	18.5	25.2	21.2	86.3	0.0	.1	.1	.4
4	18.6	25.5	21.2	88.0	1.0	26.6	27.6	2.7
5	17.4	22.5	18.6	93.0	10.5	5.6	16.1	.2
6	16.5	23.0	19.2	92.7	0.0	2.4	2.4	1.3
7	17.6	24.3	20.1	94.0	0.0	0.0	0.0	1.3
8	18.0	26.0	21.0	87.7	16.2	7.2	23.4	2.4
9	17.8	24.0	20.1	93.7	.1	3.5	3.6	.7
10	18.0	25.0	21.4	88.0	0.0	0.0	0.0	4.5
11	18.4	24.5	20.6	89.0	0.0	0.0	0.0	4.2
12	18.3	24.0	20.0	90.0	0.0	0.0	0.0	3.3
13	17.6	24.2	20.4	85.7	0.0	0.0	0.0	1.0
14	18.4	24.0	20.9	89.7	0.0	0.0	0.0	2.3
15	18.6	24.9	21.4	87.7	0.0	1.2	1.2	6.2
16	18.5	25.5	20.9	86.7	1.8	0.0	1.8	6.6
17	17.6	24.2	20.6	85.3	0.0	0.0	0.0	7.3
18	17.2	24.0	20.1	88.7	.1	6.2	6.3	2.2
19	16.6	22.3	19.0	90.7	4.4	3.2	7.6	1.8
20	15.5	23.5	19.3	87.0	.6	7.5	8.1	2.3
21	16.0	26.2	20.2	81.3	18.3	0.0	18.3	5.0
22	16.5	23.8	20.2	89.0	0.0	0.0	0.0	.6
23	17.6	25.5	20.6	86.3	0.0	0.0	0.0	2.9
24	18.2	23.0	19.9	86.7	0.0	0.0	0.0	.7
25	17.4	25.6	20.9	79.3	0.0	0.0	0.0	7.6
26	17.0	23.4	19.5	79.3	0.0	0.0	0.0	7.2
27	16.0	24.0	19.2	81.7	0.0	0.0	0.0	6.3
28	16.4	23.6	19.8	85.3	0.0	0.0	0.0	1.8
29								
30								
31								
TOTAL PROMEDIO	17.6	24.4	20.3	87.4	53.0	63.8	116.8	88.0

ESTACION: MONTELIBANO

DPTO: CUNDINAMARCA

LATITUD : 05° 28'N

AÑO : 1990

MPIO: YACOPI

LONGITUD: 74° 22'W

ALTITUD : 1340 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.2	24.3	20.3	83.7	0.0	0.0	0.0	6.5
2	17.6	24.5	20.8	84.0	0.0	0.0	0.0	4.9
3	18.0	24.0	19.8	86.7	0.0	.3	.3	1.0
4	17.4	23.7	19.5	89.3	8.7	1.7	10.4	1.7
5	17.0	24.4	19.8	89.3	0.0	.2	.2	1.5
6	17.4	26.0	21.0	87.0	0.0	39.8	39.8	5.1
7	17.0	25.0	21.1	88.0	4.2	0.0	4.2	3.5
8	18.5	24.9	21.4	89.3	.2	7.8	8.0	.8
9	19.6	26.5	22.5	86.3	0.0	0.0	0.0	1.6
10	20.0	27.0	22.9	72.3	0.0	0.0	0.0	1.9
11	18.0	25.5	21.2	89.0	0.0	.1	.1	.5
12	17.4	26.6	22.3	78.3	0.0	0.0	0.0	4.1
13	19.5	28.7	24.0	69.0	0.0	0.0	0.0	4.1
14	19.2	28.0	22.9	79.3	0.0	0.0	0.0	2.3
15	18.6	26.2	20.2	92.3	0.0	0.0	0.0	.1
16	18.8	26.6	21.8	83.7	0.0	20.0	20.0	.8
17	18.0	26.8	22.3	85.3	0.0	35.4	35.4	2.9
18	17.0	25.4	20.0	88.7	1.3	0.0	1.3	1.3
19	17.6	24.8	20.6	90.0	0.0	.4	.4	4.9
20	17.4	25.0	20.9	89.7	1.6	0.0	1.6	1.8
21	18.2	21.5	19.6	92.7	0.0	0.0	0.0	0.0
22	17.4	24.4	20.8	88.7	0.0	4.8	4.8	3.7
23	18.5	22.5	20.0	91.7	1.4	.6	2.0	.5
24	17.2	20.0	17.8	95.3	1.6	0.0	1.6	.3
25	15.8	24.2	19.7	88.0	0.0	13.9	13.9	1.3
26	17.8	19.2	17.0	94.3	6.4	0.0	6.4	.2
27	16.8	23.0	19.1	88.0	0.0	0.0	0.0	6.1
28	16.3	24.5	20.6	84.0	0.0	0.0	0.0	9.0
29	17.6	25.2	21.3	87.3	0.0	0.0	0.0	5.7
30	18.6	26.2	21.5	87.3	0.0	1.0	1.0	5.8
31	18.8	22.5	20.5	93.3	0.0	0.0	0.0	0.0
TOTAL PROMEDIO	17.9	24.7	20.7	86.8	25.4	126.0	151.4	83.9

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.2	22.2	19.6	91.3	.2	0.0	.2	0.0
2	18.0	24.2	19.7	90.0	0.0	0.0	0.0	.7
3	17.8	26.4	20.5	86.3	18.6	5.3	23.9	4.2
4	18.0	21.4	18.5	96.0	0.0	1.6	1.6	2.2
5	17.3	24.7	20.0	86.3	.8	0.0	.8	.7
6	18.2	23.5	20.3	90.3	0.0	0.0	0.0	.2
7	16.4	25.7	21.4	81.0	3.0	0.0	3.0	5.6
8	18.4	26.8	21.2	82.7	7.6	0.0	7.6	6.1
9	18.8	28.5	22.9	81.3	0.0	0.0	0.0	9.5
10	18.9	28.9	23.2	72.3	0.0	0.0	0.0	7.5
11	19.1	26.4	22.1	85.7	2.8	0.0	2.8	4.2
12	19.2	27.8	21.3	83.3	22.2	.1	22.3	2.1
13	18.8	24.2	21.1	92.7	0.0	61.0	61.0	2.8
14	17.5	24.9	20.2	93.3	2.5	2.5	5.0	3.4
15	18.0	26.0	20.4	88.0	14.7	3.2	17.9	1.3
16	18.0	23.5	19.9	86.7	0.0	0.0	0.0	.4
17	17.4	25.5	21.3	84.3	0.0	0.0	0.0	6.4
18	18.6	24.2	20.8	90.7	0.0	6.2	6.2	2.3
19	18.5	25.4	20.4	94.7	0.0	0.0	0.0	3.2
20	18.8	24.2	20.3	96.3	5.4	6.4	11.8	1.2
21	18.5	24.5	19.7	94.0	33.6	.5	34.1	.7
22	18.2	24.4	19.7	92.0	45.5	2.4	47.9	1.1
23	17.6	24.8	19.9	87.0	38.1	13.2	51.3	2.9
24	17.4	24.6	20.2	89.7	0.0	53.1	53.1	2.6
25	18.0	24.4	20.3	92.0	2.1	27.3	29.4	.5
26	16.5	25.2	20.7	83.3	0.0	1.7	1.7	.2
27	18.5	24.8	20.2	90.7	2.1	3.8	5.9	1.6
28	17.4	20.4	18.2	96.0	12.8	.6	13.4	0.0
29	17.5	26.2	20.6	86.7	0.0	.5	.5	3.9
30	17.2	22.6	19.5	91.0	5.7	0.0	5.7	.7
31								
TOTAL PROMEDIO	18.0	24.9	20.4	88.5	217.7	189.4	407.1	78.2

ESTACION: MONTELIBANO

DPTO: CUNDINAMARCA

LATITUD : 05° 28'N

ANO : 1990

MPIO: YACOPI

LONGITUD: 74° 22'W

ALTITUD : 1340 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.5	24.9	20.5	89.3	0.0	3.7	3.7	4.9
2	17.0	24.2	19.9	88.0	.6	18.4	19.0	1.8
3	17.0	24.6	20.5	89.0	0.0	.2	.2	1.0
4	18.2	25.5	21.0	86.7	2.5	6.6	9.1	4.0
5	17.6	25.1	20.9	88.0	7.6	40.8	48.4	3.1
6	17.0	24.6	20.8	92.0	.3	0.0	.3	1.8
7	19.0	25.5	21.2	91.0	.1	.1	.2	3.0
8	18.9	25.2	21.2	90.3	.8	0.0	.8	0.0
9	18.5	26.2	21.5	89.0	0.0	11.5	11.5	6.3
10	18.0	25.5	20.8	88.7	0.0	28.1	28.1	4.7
11	17.4	24.8	20.3	90.7	0.0	1.8	1.8	.9
12	17.3	24.5	20.7	90.7	0.0	.1	.1	.5
13	18.3	26.5	19.6	89.0	22.2	19.7	41.9	4.1
14	17.6	24.0	20.2	89.0	3.2	.6	3.8	2.2
15	18.3	25.6	21.3	90.7	0.0	.1	.1	4.5
16	18.4	27.6	20.3	89.3	14.7	0.0	14.7	6.9
17	19.0	27.5	22.4	79.7	0.0	0.0	0.0	4.4
18	19.5	26.4	23.2	71.0	0.0	0.0	0.0	6.8
19	18.5	27.0	22.4	77.0	0.0	0.0	0.0	3.2
20	19.0	28.6	22.4	79.0	6.8	0.0	6.8	5.2
21	18.8	27.8	22.4	78.7	0.0	0.0	0.0	2.9
22	19.0	24.6	20.4	87.0	5.8	0.0	5.8	.7
23	17.9	26.5	22.0	78.3	.3	0.0	.3	3.2
24	18.4	25.5	21.4	85.0	0.0	0.0	0.0	5.6
25	18.6	23.8	20.3	89.3	2.3	0.0	2.3	1.3
26	17.0	26.8	21.6	79.0	0.0	0.0	0.0	5.4
27	18.2	26.2	21.0	88.3	0.0	0.0	0.0	1.5
28	17.8	24.6	20.5	90.7	2.6	15.2	17.8	1.3
29	17.5	20.5	17.8	96.7	13.2	0.0	13.2	1.2
30	16.6	26.5	21.6	87.3	1.0	.4	1.4	6.5
31	17.5	27.2	22.3	79.7	0.0	.4	.4	7.6
TOTAL PROMEDIO	18.0	25.6	21.0	86.4	84.0	147.7	231.7	106.5

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.4	22.5	19.4	94.0	16.4	0.0	16.4	.6
2	17.2	24.8	19.3	88.7	6.7	0.0	6.7	3.9
3	17.4	26.6	22.1	80.7	0.0	0.0	0.0	6.7
4	18.5	26.5	21.2	86.0	.7	0.0	.7	3.2
5	18.0	26.7	20.8	88.0	0.0	.5	.5	4.8
6	18.3	29.2	23.8	68.7	0.0	0.0	0.0	8.9
7	18.5	27.0	23.0	61.0	0.0	0.0	0.0	4.2
8	19.2	28.4	22.9	73.7	0.0	0.0	0.0	6.2
9	18.8	26.3	21.8	86.7	.6	2.7	3.3	1.8
10	18.0	25.5	21.5	87.3	0.0	24.5	24.5	2.7
11	18.3	24.9	19.9	90.7	.2	0.0	.2	0.0
12	17.8	25.4	21.2	88.7	.4	0.0	.4	5.0
13	18.2	26.5	21.2	89.3	.1	34.9	35.0	6.6
14	17.0	24.1	20.2	90.0	0.0	42.9	42.9	.9
15	16.8	24.5	21.2	86.3	.2	.2	.4	6.1
16	18.2	25.8	21.3	83.3	0.0	0.0	0.0	3.8
17	17.0	26.4	21.0	91.0	.6	0.0	.6	7.9
18	17.8	28.4	23.1	79.0	0.0	0.0	0.0	10.0
19	18.6	28.0	23.9	68.3	0.0	0.0	0.0	7.9
20	19.8	28.3	23.4	61.7	0.0	0.0	0.0	5.8
21	19.5	27.5	23.0	62.7	0.0	0.0	0.0	4.6
22	18.8	27.6	22.5	68.0	0.0	0.0	0.0	3.7
23	18.6	25.1	21.0	86.0	0.0	0.0	0.0	.4
24	18.8	24.6	20.7	89.3	0.0	0.0	0.0	.6
25	18.3	26.5	21.6	80.3	.1	0.0	.1	5.6
26	18.4	27.4	21.4	85.0	3.3	0.0	3.3	4.7
27	18.9	28.2	22.3	72.0	0.0	0.0	0.0	1.7
28	18.8	26.7	22.3	67.3	0.0	0.0	0.0	2.5
29	19.0	28.7	22.4	69.7	11.1	0.0	11.1	7.6
30	19.2	27.8	23.7	59.7	0.0	0.0	0.0	6.1
31								
TOTAL PROMEDIO	18.3	26.5	21.8	79.4	40.4	105.7	146.1	134.5

ESTACION: MONTELIBANO

DPTO: CUNDINAMARCA

LATITUD : 05° 28'N

AÑO : 1990

MPIO: YACOPI

LONGITUD: 74° 22'W

ALTITUD : 1340 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	19.5	27.0	23.1	68.7	.5	0.0	.5	3.3
2	18.8	25.6	21.6	86.0	0.0	0.0	0.0	5.1
3	18.0	27.0	19.9	85.0	0.0	.6	.6	6.4
4	18.4	25.3	21.5	78.7	.2	0.0	.2	5.5
5	13.3	24.5	20.6	92.0	0.0	0.0	0.0	1.3
6	17.6	25.0	20.5	91.0	0.0	0.0	0.0	2.4
7	18.0	26.2	21.3	84.7	0.0	2.5	2.5	5.1
8	16.6	25.8	21.4	81.3	0.0	17.4	17.4	4.0
9	15.8	25.2	19.9	85.7	.2	1.7	1.9	7.9
10	17.4	24.0	19.7	92.0	8.4	1.8	10.2	3.0
11	17.8	23.9	20.2	90.3	3.1	3.3	6.4	3.2
12	17.9	26.0	21.4	83.3	0.0	0.0	0.0	3.3
13	17.8	26.1	20.6	86.7	1.2	0.0	1.2	5.2
14	18.4	25.6	20.7	85.3	0.0	.6	.6	4.2
15	17.6	25.4	20.2	87.0	3.0	0.0	3.0	1.6
16	17.0	24.5	19.7	88.0	.1	5.3	5.4	2.1
17	16.0	22.6	18.9	90.0	1.0	6.0	7.0	3.2
18	16.2	24.7	19.0	90.7	36.2	.1	36.3	5.6
19	16.0	24.0	19.8	87.7	0.0	0.0	0.0	2.5
20	16.5	25.5	19.7	88.3	23.8	8.7	32.5	7.4
21	16.2	24.5	19.1	92.0	3.2	0.0	3.2	3.8
22	16.6	23.6	20.0	86.0	.1	0.0	.1	5.7
23	17.8	26.9	22.1	72.7	0.0	.2	.2	8.0
24	17.5	24.8	20.9	87.3	2.1	0.0	2.1	5.4
25	17.8	26.4	22.1	80.0	0.0	0.0	0.0	9.1
26	18.0	27.4	22.6	56.0	0.0	0.0	0.0	9.6
27	18.2	26.5	22.1	64.0	0.0	0.0	0.0	6.2
28	18.4	27.2	21.7	72.3	.1	0.0	.1	7.7
29	19.2	28.2	22.3	68.0	0.0	0.0	0.0	5.3
30	18.0	26.6	21.3	74.7	.1	0.0	.1	5.6
31	17.8	26.7	22.2	58.3	0.0	0.0	0.0	7.3
TOTAL PROMEDIO	17.6	25.6	20.8	81.7	83.3	48.2	131.5	151.0

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.8	29.2	23.7	53.7	0.0	0.0	0.0	9.5
2	18.5	26.4	23.1	65.7	0.0	0.0	0.0	6.2
3	19.0	27.2	22.0	58.3	0.0	0.0	0.0	5.7
4	19.4	26.4	22.2	73.7	0.0	0.0	0.0	3.7
5	18.6	27.8	22.4	77.0	0.0	0.0	0.0	5.0
6	18.5	29.4	23.5	59.0	0.0	0.0	0.0	7.5
7	18.0	27.5	22.7	76.0	0.0	0.0	0.0	6.4
8	18.8	28.8	22.5	70.7	0.0	1.4	1.4	4.2
9	18.2	28.0	23.4	68.0	0.0	0.0	0.0	6.6
10	19.5	26.0	22.4	67.0	0.0	0.0	0.0	.6
11	17.8	27.5	22.5	63.7	0.0	.2	.2	7.1
12	18.0	29.0	23.9	50.7	0.0	0.0	0.0	7.8
13	18.8	26.9	22.6	66.0	0.0	0.0	0.0	1.8
14	17.5	27.5	19.8	81.7	11.0	5.5	16.5	4.0
15	16.5	26.4	20.4	89.0	.5	24.6	25.1	2.8
16	17.5	27.5	21.6	83.7	0.0	0.0	0.0	6.3
17	17.8	30.1	23.9	74.3	.2	0.0	.2	9.5
18	19.2	28.0	22.5	83.0	0.0	0.0	0.0	3.4
19	18.8	29.0	22.8	78.3	0.0	0.0	0.0	7.8
20	18.4	28.6	23.3	70.7	0.0	0.0	0.0	4.3
21	19.5	30.0	24.5	46.7	0.0	0.0	0.0	8.1
22	19.8	29.2	23.8	45.0	0.0	0.0	0.0	9.5
23	19.0	28.6	23.5	70.0	0.0	0.0	0.0	5.4
24	18.0	28.0	21.8	74.7	0.0	0.0	0.0	7.1
25	18.3	29.1	23.0	75.7	0.0	32.3	32.3	5.2
26	15.5	27.4	20.1	86.3	8.8	1.6	10.4	7.1
27	16.6	25.8	21.2	85.3	0.0	3.1	3.1	6.2
28	16.8	24.2	20.1	90.3	.2	7.2	7.4	.3
29	17.0	27.0	21.0	81.7	.7	.4	1.1	4.0
30	17.5	26.9	20.0	81.7	18.1	.9	19.0	5.9
31	16.0	25.4	21.3	86.0	.3	0.0	.3	6.6
TOTAL PROMEDIO	18.1	27.7	22.3	72.0	39.8	77.2	117.0	175.6

ESTACION: MONTELIBANO

DPTO: CUNDINAMARCA

LATITUD : 05° 28'N

LONGITUD: 74° 22'W

ANO : 1990

MPIO: YACOPI

ALTITUD : 1340 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.5	26.7	20.4	84.0	5.2	.2	5.4	5.2
2	16.6	26.4	22.2	85.0	.5	0.0	.5	4.6
3	17.8	24.0	20.0	93.3	2.0	0.0	2.0	2.6
4	17.9	28.4	21.9	81.0	0.0	0.0	0.0	5.2
5	18.7	29.2	23.1	78.0	0.0	.5	.5	9.1
6	18.8	27.2	21.7	86.7	0.0	0.0	0.0	4.9
7	18.5	24.9	20.4	88.7	4.5	0.0	4.5	5.7
8	17.8	26.6	21.2	84.7	0.0	31.0	31.0	7.0
9	16.8	24.3	19.9	83.3	2.0	0.0	2.0	4.1
10	17.8	24.2	20.7	89.0	2.6	.2	2.8	2.5
11	17.2	26.4	21.1	87.7	22.3	7.6	29.9	6.4
12	17.6	26.2	21.0	85.0	4.2	2.0	6.2	4.4
13	17.4	27.0	21.1	86.7	0.0	3.7	3.7	5.4
14	17.2	24.9	21.1	78.7	0.0	0.0	0.0	3.6
15	17.8	27.4	21.9	66.3	0.0	0.0	0.0	8.5
16	18.6	27.2	22.6	80.3	0.0	0.0	0.0	10.7
17	18.5	28.3	23.3	77.3	0.0	0.0	0.0	9.8
18	18.9	29.2	23.2	77.0	0.0	0.0	0.0	8.8
19	18.4	27.6	21.3	82.7	0.0	0.0	0.0	5.6
20	18.2	23.8	19.6	92.7	4.0	0.0	4.0	0.0
21	18.0	25.6	20.3	88.0	6.4	30.4	36.8	3.5
22	16.2	25.0	19.5	84.7	4.0	4.4	8.4	4.6
23	16.5	24.9	20.6	88.7	.5	8.4	8.9	5.0
24	16.8	25.8	21.3	84.3	16.0	2.6	18.6	6.0
25	17.6	26.2	21.0	89.3	.6	1.4	2.0	7.7
26	17.4	25.2	20.0	88.7	7.4	.1	7.5	5.3
27	17.6	24.9	20.9	88.3	0.0	0.0	0.0	4.2
28	18.8	23.7	20.6	92.0	0.0	.3	.3	.3
29	18.0	26.9	21.6	85.7	0.0	0.0	0.0	4.6
30	18.6	25.2	19.3	86.3	13.1	0.0	13.1	4.6
31								
TOTAL PROMEDIO	17.8	26.1	21.1	84.8	95.3	92.8	188.1	159.9

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.2	25.5	21.0	85.0	12.1	6.6	18.7	4.5
2	17.9	24.0	20.3	86.7	0.0	4.6	4.6	2.4
3	17.6	24.2	20.1	86.7	2.0	5.8	7.8	2.3
4	18.4	24.9	20.8	89.0	.2	6.8	7.0	3.6
5	16.8	24.2	19.6	89.0	11.8	2.5	14.3	0.0
6	17.0	24.3	19.9	91.0	2.5	4.3	6.8	1.4
7	17.2	23.2	20.0	89.3	38.6	16.5	55.1	3.2
8	16.5	24.0	19.6	86.7	14.4	0.0	14.4	2.4
9	18.2	23.2	20.4	90.7	0.0	29.5	29.5	.6
10	17.4	24.8	20.5	90.7	.7	1.0	1.7	2.8
11	17.5	25.0	20.8	85.3	.1	22.1	22.2	5.3
12	16.8	24.5	19.2	88.7	41.9	0.0	41.9	3.8
13	17.0	25.8	20.6	87.7	1.2	0.0	1.2	5.6
14	18.0	24.2	20.5	91.3	.5	1.1	1.6	3.7
15	17.0	26.0	20.9	81.3	.8	.3	1.1	3.2
16	17.5	24.6	20.6	85.3	.2	10.8	11.0	5.1
17	16.8	24.7	20.4	85.3	0.0	2.0	2.0	6.9
18	17.4	25.0	20.6	88.3	0.0	0.0	0.0	2.6
19	17.6	25.4	21.1	86.0	.5	.1	.6	3.9
20	18.0	25.1	20.0	89.0	27.5	8.5	36.0	2.0
21	16.9	25.4	19.2	90.0	8.9	0.0	8.9	5.1
22	17.2	23.0	19.7	90.0	0.0	2.9	2.9	0.0
23	17.9	25.8	19.7	84.7	36.2	0.0	36.2	2.6
24	17.8	23.8	20.2	90.0	.8	2.5	3.3	1.1
25	17.5	25.2	20.9	85.0	0.0	0.0	0.0	3.5
26	17.2	26.2	20.6	86.0	10.7	7.0	17.7	4.9
27	17.0	24.0	20.4	88.7	0.0	5.7	5.7	3.2
28	17.2	24.1	19.3	92.3	7.9	4.8	12.7	3.6
29	17.6	24.5	19.7	88.7	1.1	0.0	1.1	2.8
30	17.4	23.9	20.1	87.3	0.0	0.0	0.0	5.5
31	17.5	23.8	20.2	86.3	0.0	0.0	0.0	3.4
TOTAL PROMEDIO	17.4	24.6	20.2	87.8	220.6	145.4	366.0	101.0

ESTACION: MONTELIBANO

DPTO: CUNDINAMARCA

LATITUD : 05° 28'N

ANO : 1990

MPIO: YACOPI

LONGITUD: 74° 22'W

ALTITUD : 1340 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.8	24.8	20.8	85.3	0.0	3.8	3.8	6.3
2	17.9	24.5	20.6	87.3	.5	.3	.8	3.9
3	16.8	24.0	19.5	92.0	0.0	37.6	37.6	2.4
4	17.0	22.8	18.9	91.7	0.0	18.8	18.8	1.8
5	16.2	24.8	20.2	84.7	0.0	7.2	7.2	7.6
6	17.0	26.2	20.4	87.3	0.0	0.0	0.0	4.7
7	18.6	25.1	21.4	86.7	0.0	2.2	2.2	6.6
8	18.8	25.2	21.3	88.0	0.0	17.1	17.1	2.5
9	16.9	26.2	21.7	84.7	3.2	22.4	25.6	5.8
10	18.2	24.0	20.2	83.7	0.0	0.0	0.0	2.3
11	17.8	26.8	21.0	72.7	0.0	0.0	0.0	8.0
12	18.4	27.0	22.4	79.0	0.0	0.0	0.0	5.1
13	18.9	26.4	20.3	85.3	11.0	27.8	38.8	6.1
14	18.6	26.5	21.4	88.3	0.0	0.0	0.0	5.0
15	19.2	26.8	21.6	87.0	0.0	0.0	0.0	4.6
16	18.8	26.0	20.5	84.7	56.4	0.0	56.4	4.5
17	17.8	24.5	20.7	88.7	0.0	11.7	11.7	5.3
18	17.4	22.2	19.3	91.7	0.0	3.3	3.3	.3
19	17.2	23.2	20.2	91.3	0.0	.9	.9	1.0
20	19.0	26.8	21.9	85.3	0.0	1.8	1.8	4.4
21	18.4	24.8	20.4	90.0	12.1	.1	12.2	1.0
22	17.4	25.0	19.9	88.0	14.5	9.7	24.2	4.7
23	18.0	23.8	20.5	88.3	.2	.6	.8	4.6
24	17.8	23.5	19.2	86.7	8.0	7.0	15.0	3.2
25	17.0	23.4	19.8	88.3	0.0	0.0	0.0	3.7
26	18.0	25.0	20.4	86.0	0.0	.1	.1	3.5
27	18.8	26.2	21.4	85.3	0.0	.2	.2	1.3
28	18.4	25.2	21.4	85.3	0.0	.1	.1	2.3
29	17.9	24.2	20.4	87.7	0.0	21.0	21.0	5.3
30	17.6	23.2	20.2	85.3	0.0	0.0	0.0	4.9
31								
TOTAL PROMEDIO	17.9	24.9	20.6	86.5	105.9	193.7	299.6	122.7

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.2	24.7	21.0	87.3	0.0	0.0	0.0	4.9
2	18.0	24.5	20.0	89.3	4.1	9.5	13.6	2.2
3	17.0	24.4	20.2	88.0	1.7	.4	2.1	4.1
4	18.7	24.5	20.6	88.0	2.9	0.0	2.9	.8
5	18.2	21.4	18.9	93.3	8.5	3.2	11.7	.1
6	17.5	24.0	20.2	88.3	0.0	5.9	5.9	4.4
7	17.2	23.9	19.9	90.7	.5	6.5	7.0	2.9
8	16.5	22.0	18.8	90.0	0.0	0.0	0.0	1.2
9	16.8	24.2	20.3	85.7	0.0	0.0	0.0	6.4
10	17.4	24.6	20.8	87.3	0.0	0.0	0.0	7.4
11	17.8	23.8	20.2	89.0	.7	8.1	8.8	5.5
12	17.6	23.5	20.4	88.7	0.0	0.0	0.0	7.4
13	17.5	25.0	20.6	85.0	0.0	0.0	0.0	3.6
14	18.2	24.9	21.2	87.0	0.0	0.0	0.0	2.9
15	18.1	26.2	21.8	87.3	0.0	0.0	0.0	6.5
16	18.3	26.4	22.2	83.7	0.0	0.0	0.0	6.8
17	18.4	25.8	21.4	88.3	1.7	.8	2.5	4.8
18	18.2	26.8	21.6	87.3	0.0	0.0	0.0	4.8
19	19.0	25.0	21.2	91.0	.6	.1	.7	3.4
20	18.8	26.3	21.7	88.0	2.0	0.0	2.0	6.0
21	19.1	25.1	21.5	88.7	0.0	0.0	0.0	3.6
22	18.6	24.0	20.7	88.0	0.0	0.0	0.0	5.1
23	17.7	25.4	20.5	88.0	0.0	.1	.1	4.5
24	17.8	22.7	19.3	91.7	0.0	.2	.2	.7
25	18.1	22.9	19.7	91.3	.2	0.0	.2	.7
26	18.4	25.1	20.7	89.3	0.0	7.1	7.1	2.9
27	17.8	23.0	20.1	89.7	0.0	2.9	2.9	.2
28	17.2	22.5	19.6	91.0	0.0	0.0	0.0	2.0
29	17.6	25.8	20.7	85.3	0.0	0.0	0.0	2.8
30	16.1	25.0	21.2	86.3	0.0	.8	.8	6.0
31	18.0	24.4	20.7	87.3	1.1	0.0	1.1	4.6
TOTAL PROMEDIO	17.9	24.4	20.5	88.4	24.0	56.1	80.1	119.2

ESTACION: MONTELIBANO  
 AÑO : 1990

DPTO: CUNDINAMARCA  
 MPIO: YACOPI

LATITUD : 05° 28'N  
 LONGITUD: 74° 22'W  
 ALTITUD : 1340 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	17.7	25.3	20.6	16.0	29.5	87.7	99.7	12	120.7
FEBRERO	17.6	24.4	20.3	15.5	26.8	87.4	116.8	13	88.0
MARZO	17.9	24.7	20.7	15.8	28.7	86.8	151.4	18	83.9
ABRIL	18.0	24.9	20.4	16.4	28.9	88.5	407.1	23	78.2
MAYO	18.0	25.6	21.0	16.6	28.6	86.4	231.7	24	106.5
JUNIO	18.3	26.5	21.8	16.8	29.2	79.4	146.1	15	134.5
JULIO	17.6	25.6	20.8	15.8	28.2	81.7	131.5	21	151.0
AGOSTO	18.1	27.7	22.3	16.0	30.1	72.0	117.0	12	175.6
SEPTIEMBRE	17.8	26.1	21.1	16.2	29.2	84.8	188.1	20	159.9
OCTUBRE	17.4	24.6	20.2	16.2	26.2	87.8	366.0	27	101.0
NOVIEMBRE	17.9	24.9	20.6	16.2	27.0	86.5	299.6	22	122.7
DICIEMBRE	17.9	24.4	20.5	16.1	26.8	88.4	80.1	18	119.2
PROMEDIO	17.8	25.4	20.9			84.8			
ABSOLUTA				15.5	30.1				
TOTAL							2335.1	225	1441.2

ESTACION: SANTA BARBARA

DPTO: CUNDINAMARCA

LATITUD : 04° 57'N

AÑO : 1990

MPIO: SASAIMA

LONGITUD : 74° 25'W

ALTITUD : 1450 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.5	24.6	19.0	84.0	0.0	0.0	0.0	2.9
2	14.4	22.0	17.8	91.0	.2	0.0	.2	2.3
3	15.0	24.5	19.0	81.0	0.0	0.0	0.0	3.6
4	14.2	23.4	17.9	83.3	18.9	0.0	18.9	4.3
5	16.0	25.0	19.0	86.0	.8	25.3	26.1	3.7
6	14.0	24.9	19.3	82.7	2.0	9.7	11.7	5.3
7	15.2	22.8	18.5	87.7	17.0	0.0	17.0	1.3
8	15.5	24.2	18.5	89.7	1.2	21.6	22.8	2.9
9	16.3	24.4	18.8	88.7	10.0	30.0	40.0	1.5
10	16.0	23.5	19.7	85.7	0.0	1.6	1.6	1.7
11	15.5	24.8	19.3	85.0	40.0	0.0	40.0	3.3
12	15.7	22.0	18.3	89.3	1.9	0.0	1.9	.9
13	16.0	24.7	18.4	85.3	23.6	.2	23.8	2.6
14	14.0	23.0	18.8	88.7	.2	24.8	25.0	2.3
15	14.2	24.5	19.2	84.3	0.0	0.0	0.0	6.5
16	14.5	24.9	20.0	85.7	.4	59.0	59.4	5.3
17	15.3	24.3	19.7	81.3	0.0	0.0	0.0	4.2
18	15.5	25.5	19.7	78.3	0.0	0.0	0.0	6.5
19	16.5	25.8	21.1	73.3	0.0	0.0	0.0	3.7
20	15.8	25.5	19.6	84.0	0.0	0.0	0.0	5.5
21	15.4	25.8	20.8	77.7	0.0	0.0	0.0	5.6
22	17.0	23.0	19.1	90.7	0.0	0.0	0.0	.9
23	15.5	26.5	20.2	80.0	0.0	0.0	0.0	6.4
24	15.6	27.0	20.1	79.3	0.0	0.0	0.0	3.1
25	15.0	28.5	21.5	76.0	0.0	0.0	0.0	9.8
26	17.6	22.5	18.4	88.0	.7	.8	1.5	.5
27	15.0	27.0	20.1	82.7	0.0	0.0	0.0	7.1
28	15.2	27.8	21.0	78.0	0.0	0.0	0.0	9.0
29	15.0	27.5	22.1	74.0	0.0	0.0	0.0	8.5
30	16.5	26.6	21.1	82.0	0.0	0.0	0.0	4.6
31	16.7	26.5	20.9	82.7	.3	0.0	.3	3.4
TOTAL PROMEDIO	15.4	24.9	19.6	83.4	117.2	173.0	290.2	129.2

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.8	26.5	20.8	79.0	0.0	0.0	0.0	6.1
2	16.5	26.2	19.8	88.7	6.4	29.0	35.4	2.6
3	17.0	22.5	19.0	90.7	.1	0.0	.1	.9
4	16.5	24.5	21.1	86.0	.4	14.1	14.5	4.5
5	16.4	23.7	19.0	91.0	13.2	24.4	37.6	1.3
6	16.2	23.2	18.9	90.7	2.4	.2	2.6	1.2
7	16.5	22.6	18.8	88.0	.1	.7	.8	.1
8	16.8	24.3	20.1	86.7	.2	2.1	2.3	2.6
9	17.2	21.5	19.0	91.3	31.0	0.0	31.0	.2
10	17.0	26.2	20.6	85.7	0.0	3.5	3.5	3.5
11	17.1	26.8	20.9	81.0	0.0	.1	.1	3.4
12	16.5	24.5	20.2	82.7	0.0	11.0	11.0	2.9
13	17.0	22.5	19.7	86.7	1.2	0.0	1.2	.9
14	17.2	24.5	21.0	85.3	.1	24.4	24.5	2.4
15	17.5	26.8	21.3	82.7	0.0	0.0	0.0	4.7
16	17.2	26.2	20.8	80.7	0.0	0.0	0.0	4.3
17	15.2	26.4	20.0	81.3	0.0	0.0	0.0	5.4
18	17.0	22.5	18.7	84.3	5.7	16.1	21.8	1.4
19	15.0	22.6	18.1	87.3	.3	1.5	1.8	1.3
20	14.6	21.8	16.9	89.7	1.6	1.5	3.1	.5
21	15.0	24.2	18.5	84.7	0.0	0.0	0.0	2.1
22	15.5	25.8	19.7	83.3	.5	39.5	40.0	3.4
23	16.5	24.5	20.2	84.3	0.0	0.0	0.0	2.9
24	16.6	24.0	19.3	85.0	0.0	0.0	0.0	4.0
25	15.5	26.7	20.4	73.7	0.0	0.0	0.0	6.6
26	16.0	23.5	19.2	78.0	0.0	0.0	0.0	3.1
27	15.5	25.0	19.2	79.0	0.0	3.3	3.3	4.2
28	15.4	23.2	19.1	82.0	0.0	10.1	10.1	1.7
29								
30								
31								
TOTAL PROMEDIO	16.3	24.4	19.6	84.6	63.2	181.5	244.7	78.2



ESTACION: SANTA BARBARA

DPTO: CUNDINAMARCA

LATITUD : 04° 57'N

LONGITUD : 74° 25'W

ALTITUD : 1450 m.

AÑO : 1990

MPIO: SASAIMA

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.0	26.5	20.0	78.7	0.0	.9	.9	7.2
2	16.3	26.0	19.3	79.7	1.1	14.4	15.5	5.0
3	15.6	22.2	18.8	88.0	.2	.2	.4	.2
4	15.5	23.0	19.1	85.7	0.0	21.0	21.0	1.2
5	16.0	22.6	19.0	89.3	0.0	0.0	0.0	1.1
6	15.5	27.0	20.1	80.0	0.0	0.0	0.0	5.3
7	16.0	24.5	19.7	83.7	0.0	0.0	0.0	1.4
8	16.1	26.7	21.3	76.7	0.0	0.0	0.0	4.9
9	17.0	23.2	19.8	87.7	.9	0.0	.9	1.8
10	17.5	24.5	19.6	80.3	0.0	0.0	0.0	1.5
11	18.5	24.2	20.5	80.7	.1	0.0	.1	.2
12	15.2	27.3	21.4	75.3	0.0	0.0	0.0	6.2
13	17.5	25.6	22.6	59.7	0.0	0.0	0.0	3.9
14	18.4	29.2	22.4	65.3	0.0	0.0	0.0	4.1
15	18.0	24.5	20.8	77.0	.4	.1	.5	0.0
16	17.0	26.5	20.8	83.3	.2	0.0	.2	1.8
16	16.5	27.5	20.9	81.0	.8	.8	1.6	3.5
17	17.0	23.0	19.0	89.3	1.6	0.0	1.6	.9
18	15.0	26.0	21.1	81.0	0.0	12.2	12.2	4.6
19	16.3	25.0	20.6	86.7	2.0	0.0	2.0	1.8
20	16.7	22.5	18.0	87.7	22.0	0.0	22.0	.2
21	14.5	25.6	20.8	85.7	0.0	23.2	23.2	5.2
22	17.0	22.6	18.5	95.0	26.5	18.5	45.0	.5
23	16.8	21.8	18.0	97.3	14.7	0.0	14.7	.9
24	15.5	22.0	18.3	84.7	2.2	2.0	4.2	.2
25	15.0	19.5	17.4	80.7	10.3	0.0	10.3	0.0
26	15.2	26.2	19.4	76.0	0.0	0.0	0.0	6.6
27	16.0	26.6	20.6	82.0	0.0	0.0	0.0	8.8
28	15.0	26.5	20.6	80.3	0.0	0.0	0.0	6.6
29	17.5	27.4	21.7	81.3	0.0	11.1	11.1	5.2
30	17.0	23.5	19.3	92.7	.3	10.1	10.4	.5
31	17.0	23.5	19.3	92.7	.3	10.1	10.4	.5
TOTAL PROMEDIO	16.3	24.8	20.0	82.3	83.3	114.5	197.8	91.3

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.5	23.0	18.4	88.7	1.8	7.1	8.9	1.7
2	16.0	24.0	19.3	89.7	0.0	30.0	30.0	.9
3	16.5	24.7	19.0	88.7	1.9	0.0	1.9	1.9
4	16.4	25.0	19.6	87.3	19.0	0.0	19.0	1.8
5	16.3	24.5	20.1	88.7	0.0	.8	.8	1.4
6	16.0	22.0	18.1	92.7	.5	0.0	.5	0.0
7	16.5	25.7	21.4	65.7	0.0	0.0	0.0	4.6
8	15.5	27.0	21.3	76.7	0.0	0.0	0.0	6.5
9	16.0	28.5	22.5	54.0	0.0	0.0	0.0	7.1
10	17.6	27.5	22.3	61.7	0.0	0.0	0.0	6.6
11	17.0	27.0	21.9	79.7	0.0	0.0	0.0	5.8
12	18.2	28.7	22.6	76.3	0.0	0.0	0.0	4.9
13	17.5	25.8	21.4	82.3	3.2	47.0	50.2	1.8
14	16.5	25.0	19.0	86.3	23.7	0.0	23.7	3.5
15	15.4	26.0	19.8	85.7	.3	.4	.7	4.3
16	16.4	22.0	18.9	89.7	1.1	0.0	1.1	1.1
17	15.2	24.6	20.7	79.0	0.0	0.0	0.0	3.0
18	16.0	24.5	18.5	85.3	25.7	2.9	28.6	3.7
19	15.2	23.6	19.7	90.0	0.0	0.0	0.0	2.8
20	16.0	24.5	19.2	93.7	22.5	5.5	28.0	1.7
21	16.4	22.5	18.9	93.0	2.6	1.8	4.4	.5
22	16.5	22.6	19.1	90.7	7.5	4.4	11.9	2.1
23	16.6	24.8	20.3	87.7	1.8	78.3	80.1	1.0
24	15.8	22.5	19.1	89.7	.6	.6	1.2	1.4
25	17.5	21.5	19.0	95.0	2.9	15.5	18.4	.1
26	15.5	25.9	20.0	86.3	12.3	.1	12.4	2.5
27	16.3	22.7	19.0	89.7	8.1	0.0	8.1	1.0
28	17.0	21.0	18.6	90.0	64.1	2.0	66.1	.2
29	15.4	25.0	20.9	75.0	0.0	3.7	3.7	5.4
30	16.5	20.8	18.3	96.0	3.5	0.0	3.5	0.0
31	16.5	20.8	18.3	96.0	3.5	0.0	3.5	0.0
TOTAL PROMEDIO	16.3	24.4	19.9	84.5	203.1	200.1	403.2	79.3

ESTACION: SANTA BARBARA

DPTO: CUNDINAMARCA

LATITUD : 04° 57'N

AÑO : 1990

MPIO: SASAIMA

LONGITUD: 74° 25'W

ALTITUD : 1450 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.5	25.5	19.4	84.0	0.0	28.4	28.4	3.7
2	15.2	23.7	19.3	86.7	4.6	55.6	60.2	1.8
3	15.0	24.9	19.4	86.0	.3	3.7	4.0	2.0
4	16.0	25.3	19.7	83.3	.6	.6	1.2	4.4
5	16.2	24.5	19.4	84.0	7.1	25.4	32.5	2.7
6	15.6	24.2	20.7	82.7	0.0	0.0	0.0	3.0
7	17.4	24.5	20.6	89.7	.3	0.0	.3	3.3
8	17.5	25.0	20.0	87.7	0.0	0.0	0.0	.6
9	15.0	26.2	21.5	81.3	1.4	40.5	41.9	3.6
10	15.5	25.4	19.6	86.7	21.9	17.8	39.7	2.6
11	16.0	24.6	19.1	90.0	.4	0.0	.4	1.4
12	15.5	24.4	19.7	84.3	0.0	0.0	0.0	2.3
13	16.5	25.5	21.6	81.0	0.0	.6	.6	4.0
14	16.8	22.0	19.1	89.7	1.5	4.8	6.3	.5
15	15.4	25.5	21.2	79.7	0.0	0.0	0.0	6.9
16	17.0	27.4	22.6	63.0	0.0	0.0	0.0	9.0
17	16.9	25.0	20.2	79.3	0.0	0.0	0.0	2.5
18	16.2	25.5	20.7	80.7	0.0	0.0	0.0	3.6
19	16.5	24.5	20.4	87.0	0.0	0.0	0.0	4.7
20	16.2	27.0	20.8	81.7	.5	0.0	.5	2.9
21	17.4	26.5	21.0	76.7	.8	0.0	.8	3.9
22	17.2	24.5	19.2	90.7	2.9	0.0	2.9	1.0
23	16.5	25.0	20.5	76.7	0.0	0.0	0.0	3.2
24	16.0	24.0	20.0	84.0	.2	0.0	.2	2.9
25	15.9	25.0	19.3	84.7	7.4	.1	7.5	2.1
26	16.5	24.4	20.0	86.3	.7	0.0	.7	3.2
27	16.6	25.5	21.0	75.3	0.0	0.0	0.0	2.5
28	17.0	23.7	20.3	82.3	.6	1.3	1.9	1.5
29	16.5	21.2	17.9	92.0	29.2	.3	29.5	.4
30	14.7	25.2	20.0	85.0	13.7	0.0	13.7	3.8
31	14.5	26.6	20.9	76.0	0.0	0.0	0.0	7.6
TOTAL PROMEDIO	16.2	24.9	20.1	83.2	94.1	179.1	273.2	97.6

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.5	24.4	19.7	85.7	.4	0.0	.4	3.6
2	14.2	24.8	20.7	81.0	.3	0.0	.3	5.5
3	14.5	25.0	20.5	74.3	0.0	0.0	0.0	4.9
4	16.4	24.8	21.3	78.3	0.0	0.0	0.0	3.6
5	16.5	25.4	21.4	83.0	0.0	0.0	0.0	2.8
6	16.2	30.0	23.6	52.0	0.0	0.0	0.0	9.5
7	16.5	27.2	22.9	52.3	0.0	0.0	0.0	6.0
8	19.5	27.6	22.7	64.0	0.0	0.0	0.0	4.0
9	17.0	25.8	19.9	86.0	7.3	1.1	8.4	1.1
10	17.5	25.0	19.8	85.7	6.5	1.8	8.3	2.4
11	16.8	22.4	19.3	89.0	2.1	.7	2.8	0.0
12	16.5	25.6	21.2	82.7	0.0	0.0	0.0	5.3
13	16.0	25.8	21.0	72.0	1.9	7.5	9.4	4.6
14	16.5	25.6	19.2	88.3	2.1	1.9	4.0	3.3
15	15.6	25.5	21.1	79.7	2.6	0.0	2.6	4.6
16	16.5	25.4	20.8	74.0	0.0	0.0	0.0	5.7
17	15.5	25.5	20.4	77.0	0.0	0.0	0.0	7.0
18	16.0	28.2	22.7	66.7	0.0	0.0	0.0	7.7
19	16.5	26.9	20.4	63.3	0.0	0.0	0.0	5.4
20	18.0	27.2	22.5	60.3	0.0	0.0	0.0	6.1
21	18.5	26.5	21.9	65.0	0.0	0.0	0.0	5.7
22	16.0	24.5	20.2	77.0	.3	0.0	.3	2.1
23	16.5	25.4	20.1	78.7	.4	0.0	.4	2.9
24	16.4	24.8	20.2	84.0	7.7	0.0	7.7	2.5
25	16.0	26.0	21.1	71.3	0.0	0.0	0.0	4.9
26	16.3	26.6	21.6	69.7	0.0	0.0	0.0	1.1
27	17.0	26.4	20.5	78.0	0.0	0.0	0.0	.3
28	17.5	24.0	20.8	66.3	0.0	0.0	0.0	1.3
29	18.4	26.5	21.7	69.3	0.0	0.0	0.0	6.1
30	18.0	26.0	22.1	61.3	0.0	0.0	0.0	2.8
31								
TOTAL PROMEDIO	16.6	25.8	21.0	73.9	31.6	13.0	44.6	122.8

ESTACION: SANTA BARBARA

DPTO: CUNDINAMARCA

LATITUD : 04° 57'N

LONGITUD: 74° 25'W

ANO : 1990

MPIO: SASAIMA

ALTITUD : 1450 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.5	24.5	19.7	79.3	0.0	0.0	0.0	.7
2	16.0	27.8	22.0	70.7	0.0	0.0	0.0	5.3
3	17.5	25.8	21.7	71.0	0.0	0.0	0.0	1.8
4	15.6	24.5	19.6	83.7	.3	.2	.5	.4
5	15.7	23.4	19.4	83.3	1.0	0.0	1.0	.9
6	16.0	24.0	20.2	74.3	0.0	0.0	0.0	2.9
7	14.0	27.0	20.6	75.0	0.0	0.0	0.0	5.3
8	16.5	28.0	21.3	75.7	0.0	1.1	1.1	5.9
9	15.5	27.0	19.9	77.7	21.8	15.4	37.2	5.0
10	15.0	24.8	19.0	80.7	0.0	.1	.1	2.9
11	15.8	22.4	19.1	88.0	1.2	.1	1.3	1.2
12	16.0	25.5	19.8	78.7	0.0	0.0	0.0	3.9
13	14.8	25.8	19.6	78.3	.4	0.0	.4	2.8
14	16.5	25.0	19.4	76.7	.7	0.0	.7	3.0
15	15.8	23.5	19.8	81.3	.2	.1	.3	3.0
16	15.0	24.9	18.8	84.3	.4	0.0	.4	2.3
17	16.0	22.6	18.8	90.0	2.5	0.0	2.5	1.6
18	14.5	24.5	19.2	85.0	2.4	0.0	2.4	3.9
19	16.3	22.4	19.3	84.0	0.0	0.0	0.0	2.8
20	14.5	27.4	20.9	64.7	.1	0.0	.1	7.8
21	14.6	26.0	19.5	80.0	2.8	0.0	2.8	4.6
22	15.6	26.2	20.6	72.0	0.0	0.0	0.0	4.1
23	16.0	27.4	21.1	70.3	0.0	0.0	0.0	5.4
24	16.2	26.5	20.5	78.3	.4	0.0	.4	6.7
25	14.0	26.8	22.1	65.0	0.0	0.0	0.0	9.3
26	15.5	24.8	21.9	57.3	0.0	0.0	0.0	8.7
27	14.5	23.8	20.2	68.3	0.0	0.0	0.0	2.4
28	16.0	27.2	20.9	71.3	0.0	0.0	0.0	6.9
29	17.0	26.9	21.2	74.0	0.0	0.0	0.0	3.9
30	16.0	25.5	20.6	67.7	0.0	0.0	0.0	5.3
31	18.0	26.4	21.6	58.0	0.0	0.0	0.0	7.9
TOTAL PROMEDIO	15.7	25.4	20.2	75.6	34.2	17.0	51.2	128.6

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.0	25.8	22.1	58.0	0.0	0.0	0.0	6.7
2	16.0	26.0	22.0	65.0	0.0	0.0	0.0	5.8
3	17.5	24.5	20.2	70.0	0.0	0.0	0.0	3.2
4	17.0	26.8	21.7	66.3	0.0	0.0	0.0	5.9
5	15.5	27.5	20.2	71.0	0.0	0.0	0.0	5.9
6	19.0	27.4	23.3	56.7	0.0	0.0	0.0	5.2
7	16.5	26.0	21.4	71.0	.4	0.0	.4	2.2
8	16.2	26.5	21.5	67.3	.3	.4	.7	4.9
9	17.0	28.2	21.3	74.0	0.0	0.0	0.0	5.3
10	18.0	25.5	21.0	67.3	0.0	0.0	0.0	.8
11	16.5	25.8	21.8	60.7	0.0	0.0	0.0	3.2
12	17.0	25.7	22.2	56.0	0.0	0.0	0.0	5.6
13	16.0	23.6	18.4	88.3	2.1	0.0	2.1	.4
14	15.0	26.5	20.6	73.3	0.0	0.0	0.0	5.0
15	15.1	24.0	19.5	86.3	1.1	0.0	1.1	.6
16	16.0	25.8	20.6	73.3	0.0	0.0	0.0	3.6
17	15.0	28.8	21.1	65.0	0.0	0.0	0.0	7.1
18	17.0	28.5	23.4	57.3	0.0	0.0	0.0	3.7
19	19.5	28.6	23.2	50.7	0.0	0.0	0.0	5.4
20	17.2	27.5	23.5	53.0	0.0	0.0	0.0	4.3
21	18.0	28.0	23.3	52.3	0.0	0.0	0.0	7.0
22	17.1	27.4	21.5	51.3	0.0	0.0	0.0	8.8
23	16.0	28.0	22.4	55.0	0.0	0.0	0.0	3.5
24	16.5	26.3	20.7	67.3	0.0	0.0	0.0	2.3
25	16.2	28.2	21.5	62.3	0.0	9.1	9.1	3.2
26	16.5	27.4	20.8	80.7	.2	2.7	2.9	3.8
27	16.4	26.5	21.1	80.0	3.2	0.0	3.2	4.1
28	17.0	24.5	19.3	88.7	0.0	0.0	0.0	1.8
29	15.5	24.2	19.6	83.7	.9	0.0	.9	3.5
30	13.5	26.3	18.6	82.3	8.1	10.1	18.2	7.5
31	12.6	23.7	19.6	82.7	0.0	1.0	1.0	2.9
TOTAL PROMEDIO	16.4	26.4	21.2	68.3	16.3	23.3	39.6	133.2

ESTACION: SANTA BARBARA

DPTO: CUNDINAMARCA

LATITUD : 04° 57'N

AÑO : 1990

MPIO: SASAIMA

LONGITUD : 74° 25'W

ALTITUD : 1450 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	13.0	25.4	19.7	80.7	0.0	0.0	0.0	5.4
2	15.0	24.2	19.3	82.7	0.0	0.0	0.0	1.8
3	15.3	23.5	19.4	87.3	1.2	0.0	1.2	3.2
4	17.0	26.5	21.5	63.3	0.0	0.0	0.0	4.4
5	18.5	28.4	23.5	54.7	0.0	0.0	0.0	8.1
6	15.6	28.3	21.1	70.0	0.0	0.0	0.0	5.4
7	17.0	25.0	19.3	85.0	.5	0.0	.5	2.9
8	16.0	26.4	20.9	73.7	0.0	.3	.3	6.1
9	16.3	25.7	18.8	85.0	4.0	0.0	4.0	2.0
10	15.0	23.0	19.4	89.3	2.9	0.0	2.9	3.2
11	14.5	26.3	20.4	75.7	0.0	0.0	0.0	5.7
12	16.2	25.0	20.0	84.0	0.0	0.0	0.0	2.9
13	14.0	27.4	20.0	73.0	4.0	0.0	4.0	7.4
14	15.8	26.3	21.2	63.0	0.0	1.1	1.1	4.9
15	15.2	27.3	21.1	73.3	.1	0.0	.1	8.8
16	16.0	30.5	23.8	48.7	0.0	0.0	0.0	9.8
17	15.5	30.2	23.8	51.7	0.0	0.0	0.0	8.9
18	16.0	28.5	23.5	53.3	0.0	0.0	0.0	8.1
19	17.0	28.4	21.6	71.7	0.0	0.0	0.0	5.4
20	16.5	24.4	18.2	91.7	.1	0.0	.1	2.7
21	15.8	24.0	19.5	84.7	11.3	.9	12.2	1.3
22	15.0	25.2	20.0	79.3	0.0	5.9	5.9	3.2
23	14.9	22.5	18.9	90.0	5.5	0.0	5.5	1.9
24	15.0	26.9	19.4	84.3	2.0	2.6	4.6	5.2
25	14.9	28.6	20.9	69.3	3.5	2.1	5.6	7.0
26	14.5	26.0	20.3	79.0	2.8	0.0	2.8	4.9
27	15.6	26.5	20.9	75.7	0.0	0.0	0.0	3.6
28	17.0	23.5	19.9	79.0	.6	0.0	.6	.5
29	15.0	25.0	20.1	81.0	.1	0.0	.1	2.8
30	15.8	27.5	21.1	80.7	0.0	0.0	0.0	4.5
31								
TOTAL PROMEDIO	15.6	26.2	20.6	75.4	38.6	12.9	51.5	142.0

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	27.5	20.2	80.7	22.7	.1	22.8	4.1
2	15.5	23.1	18.9	88.3	4.3	.8	5.1	2.0
3	17.0	22.6	18.9	91.3	0.0	0.0	0.0	.6
4	17.5	23.8	20.5	86.0	16.4	0.0	16.4	2.1
5	17.0	25.0	19.0	92.0	4.0	0.0	4.0	1.9
6	16.4	22.5	19.5	91.3	0.0	2.0	2.0	.7
7	16.5	22.6	19.6	87.0	58.0	0.0	58.0	.3
8	14.5	22.8	18.6	85.3	4.0	0.0	4.0	1.1
9	16.2	23.5	19.5	90.0	29.0	0.0	29.0	2.3
10	16.5	25.8	20.0	85.3	4.2	12.0	16.2	2.8
11	14.2	26.2	20.4	77.3	2.6	9.9	12.5	3.9
12	16.5	23.5	18.5	85.7	34.0	0.0	34.0	1.5
13	16.6	23.4	19.9	84.7	.2	0.0	.2	1.4
14	16.4	25.7	20.8	84.7	5.5	.1	5.6	3.5
15	16.0	24.0	19.5	87.3	9.3	0.0	9.3	1.3
16	15.6	25.5	19.7	80.3	.9	4.1	5.0	4.8
17	16.0	25.0	19.8	84.0	.3	3.3	3.6	4.5
18	16.1	25.1	20.3	83.0	0.0	67.9	67.9	1.9
19	16.0	25.5	20.4	84.7	0.0	47.0	47.0	3.8
20	16.2	21.0	18.0	93.0	8.0	1.6	9.6	.7
21	15.5	25.2	19.3	83.3	6.6	.7	7.3	4.1
22	16.5	23.8	19.3	87.7	0.0	3.4	3.4	.4
23	17.0	22.4	18.9	92.0	0.0	34.0	34.0	1.2
24	16.5	22.0	18.4	91.7	2.0	0.0	2.0	0.0
25	16.6	26.8	20.8	80.7	0.0	.4	.4	4.5
26	15.0	26.0	20.0	81.3	0.0	0.0	0.0	5.4
27	17.0	24.2	19.3	88.0	.5	.2	.7	2.0
28	17.2	25.0	20.1	85.7	.5	0.0	.5	2.2
29	16.5	22.0	19.1	90.7	0.0	0.0	0.0	.8
30	15.0	26.5	20.1	82.3	0.0	0.0	0.0	4.1
31	17.2	23.5	19.4	91.3	14.2	.4	14.6	4.5
TOTAL PROMEDIO	16.2	24.2	19.5	86.3	227.2	187.9	415.1	74.4

ESTACION: SANTA BARBARA

DPTO: CUNDINAMARCA

LATITUD : 04° 57'N

AÑO : 1990

MPIO: SASAIMA

LONGITUD: 74° 25'W

ALTITUD : 1450 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	27.6	21.0	82.7	0.0	39.0	39.0	4.9
2	15.5	26.0	20.0	84.0	2.5	.1	2.6	4.3
3	16.0	25.0	20.0	81.7	0.0	47.0	47.0	2.2
4	16.2	23.2	19.1	86.7	0.0	37.0	37.0	1.5
5	16.0	25.1	19.0	86.0	0.0	40.0	40.0	5.4
6	14.5	24.2	19.3	83.0	5.2	0.0	5.2	5.3
7	15.0	26.2	20.4	68.0	0.0	0.0	0.0	8.5
8	17.0	24.6	19.5	87.3	0.0	0.0	0.0	2.0
9	16.5	25.8	20.9	80.7	1.7	0.0	1.7	6.3
10	17.2	26.0	19.6	78.3	0.0	0.0	0.0	4.2
11	17.5	27.2	22.3	59.0	0.0	0.0	0.0	6.0
12	15.5	24.5	20.0	83.7	0.0	0.0	0.0	4.5
13	15.2	28.4	21.9	68.7	0.0	0.0	0.0	7.1
14	17.5	26.1	21.2	79.3	0.0	0.0	0.0	4.7
15	17.6	26.6	20.9	76.0	0.0	0.0	0.0	2.8
16	15.5	27.5	21.1	77.0	0.0	0.0	0.0	6.2
17	16.0	27.4	21.3	80.3	0.0	21.7	21.7	5.7
18	17.0	22.6	19.4	88.3	3.7	.7	4.4	.3
19	17.2	22.5	19.6	89.7	.5	2.9	3.4	.6
20	16.0	25.5	20.0	84.7	0.0	0.0	0.0	4.9
21	16.8	25.4	19.5	89.3	0.0	0.0	0.0	1.0
22	15.5	24.9	19.9	92.0	16.2	7.5	23.7	4.2
23	16.0	26.6	20.3	82.0	0.0	6.8	6.8	3.8
24	16.5	24.4	19.2	92.7	5.1	1.7	6.8	1.7
25	15.4	23.5	18.7	87.7	0.0	8.2	8.2	2.4
26	17.5	24.0	18.8	89.3	16.8	0.0	16.8	3.1
27	14.2	26.0	19.7	84.3	0.0	0.0	0.0	6.2
28	16.2	24.7	20.3	85.3	0.0	0.0	0.0	3.8
29	15.2	25.0	19.7	86.0	3.5	57.0	60.5	3.6
30	14.5	24.5	19.6	85.7	1.4	0.0	1.4	2.2
31								
TOTAL PROMEDIO	16.1	25.4	20.1	82.6	56.6	269.6	326.2	119.4

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.5	26.4	20.9	82.7	0.0	47.4	47.4	3.7
2	17.0	26.0	19.5	89.0	18.0	12.3	30.3	1.3
3	17.2	23.6	19.4	87.7	2.2	0.0	2.2	1.2
4	16.5	25.1	19.3	87.3	59.2	79.1	138.3	2.9
5	16.4	22.6	19.0	90.0	10.7	2.8	13.5	.9
6	16.6	26.6	19.5	86.7	0.0	66.2	66.2	4.4
7	16.4	26.2	19.5	87.0	3.9	15.3	19.2	4.1
8	15.5	23.2	19.8	88.0	0.0	0.0	0.0	.7
9	15.0	26.5	20.7	81.7	0.0	0.0	0.0	7.8
10	17.0	26.4	20.7	81.7	0.0	0.0	0.0	8.1
11	16.9	25.5	20.2	85.3	.2	.1	.3	5.0
12	17.0	26.0	20.0	85.7	0.0	0.0	0.0	4.8
13	15.5	24.8	19.6	86.0	0.0	0.0	0.0	4.1
14	16.0	23.0	19.1	91.3	.7	0.0	.7	2.4
15	15.5	28.0	20.7	75.7	0.0	0.0	0.0	7.7
16	16.0	27.8	21.7	65.0	0.0	0.0	0.0	5.8
17	15.5	25.5	20.8	79.3	0.0	0.0	0.0	6.3
18	15.0	26.0	20.6	68.3	0.0	0.0	0.0	5.8
19	15.5	26.2	20.4	79.7	.3	0.0	.3	3.1
20	16.0	26.8	21.6	75.7	0.0	0.0	0.0	7.0
21	15.5	26.0	20.5	83.7	0.0	1.7	1.7	4.6
22	16.0	25.6	20.7	82.0	0.0	.5	.5	3.7
23	17.1	26.5	21.6	79.7	0.0	38.8	38.8	5.0
24	17.0	21.6	18.9	93.0	1.7	8.9	10.6	.1
25	16.5	21.0	18.8	91.7	.2	0.0	.2	.2
26	15.5	23.2	19.7	87.7	1.5	.8	2.3	2.4
27	16.0	23.1	19.0	90.3	0.0	.6	.6	.5
28	16.5	23.5	18.5	90.0	23.4	0.0	23.4	1.6
29	14.5	24.0	18.8	87.3	2.4	7.3	9.7	4.5
30	14.6	27.0	20.0	80.7	0.0	0.0	0.0	7.0
31	17.0	24.5	19.9	88.3	0.0	4.2	4.2	3.6
TOTAL PROMEDIO	16.1	25.1	20.0	84.1	124.4	286.0	410.4	120.3

ESTACION: SANTA BARBARA

DPTO: CUNDINAMARCA

LATITUD : 04° 57'N

AÑO : 1990

MPIO: SASAIMA

LONGITUD: 74° 25'W

ALTITUD : 1450 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	15.4	24.9	19.6	14.0	28.5	83.4	290.2	15	129.2
FEBRERO	16.3	24.4	19.6	14.6	26.8	84.6	244.7	19	78.2
MARZO	16.3	24.8	20.0	14.5	29.2	82.3	197.8	20	91.3
ABRIL	16.3	24.4	19.9	15.2	28.7	84.5	403.2	22	79.3
MAYO	16.2	24.9	20.1	14.5	27.4	83.2	273.2	20	97.6
JUNIO	16.6	25.8	21.0	14.2	30.0	73.9	44.6	11	122.8
JULIO	15.7	25.4	20.2	14.0	28.0	75.6	51.2	15	128.6
AGOSTO	16.4	26.4	21.2	12.6	28.8	68.3	39.6	10	133.2
SEPTIEMBRE	15.6	26.2	20.6	13.0	30.5	75.4	51.5	17	142.0
OCTUBRE	16.2	24.2	19.5	14.2	27.5	86.3	415.1	27	74.4
NOVIEMBRE	16.1	25.4	20.1	14.2	28.4	82.6	326.2	17	119.4
DICIEMBRE	16.1	25.1	20.0	14.5	28.0	84.1	410.4	20	120.3
PROMEDIO	16.1	25.2	20.1			80.3			
ABSOLUTA				12.6	30.5				
TOTAL							2747.7	213	1316.3

ESTACION: MISIONES

DPTO: CUNDINAMARCA

LATITUD : 04° 33'N

AÑO : 1990

MPIO: MESITAS DEL COLEGIO

LONGITUD: 74° 25'W  
ALTITUD : 1540 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.0	24.5	19.6	70.3	0.0	13.0	13.0	1.7
2	14.8	21.5	18.1	77.3	.7	0.0	.7	1.5
3	16.0	24.2	18.9	60.7	0.0	0.0	0.0	3.2
4	17.0	25.5	20.4	59.7	0.0	.8	.8	4.5
5	15.8	25.6	19.2	70.3	.3	0.0	.3	3.2
6	16.0	25.4	19.3	76.7	0.0	40.9	40.9	4.6
7	15.5	23.8	18.0	79.0	2.1	0.0	2.1	1.3
8	15.4	24.0	19.2	76.0	0.0	0.0	0.0	.7
9	16.5	23.5	18.8	82.7	0.0	0.0	0.0	2.6
10	15.8	22.0	18.4	84.0	5.7	0.0	5.7	1.5
11	16.0	24.2	20.1	69.3	0.0	0.0	0.0	6.1
12	15.9	23.0	18.6	81.3	0.0	0.0	0.0	1.5
13	15.5	22.8	19.1	74.0	.6	0.0	.6	3.7
14	15.0	21.4	18.6	79.3	0.0	0.0	0.0	1.4
15	16.2	23.5	19.0	72.7	0.0	0.0	0.0	2.5
16	16.0	25.8	20.7	63.0	0.0	0.0	0.0	4.6
17	16.2	25.0	19.8	66.0	0.0	0.0	0.0	3.3
18	17.5	25.8	20.7	63.7	0.0	0.0	0.0	4.8
19	17.4	26.0	20.8	58.3	0.0	.2	.2	3.6
20	17.5	26.2	20.5	73.7	0.0	0.0	0.0	5.9
21	17.3	25.0	20.0	62.0	0.0	0.0	0.0	.6
22	17.2	24.5	19.2	72.7	1.3	0.0	1.3	1.7
23	17.5	26.2	20.0	67.7	.4	0.0	.4	4.6
24	18.8	25.0	20.6	66.0	0.0	0.0	0.0	2.1
25	18.5	27.0	22.3	63.7	0.0	.3	.3	6.9
26	16.8	22.6	18.0	70.3	7.6	.9	8.5	.1
27	15.0	26.2	20.0	73.0	0.0	0.0	0.0	5.5
28	17.2	24.0	20.9	76.3	0.0	0.0	0.0	3.0
29	18.0	26.2	22.2	70.3	0.0	0.0	0.0	6.2
30	18.2	25.0	21.8	74.0	0.0	0.0	0.0	2.4
31	18.1	25.4	21.4	73.3	0.0	0.0	0.0	3.5
TOTAL PROMEDIO	16.6	24.5	19.8	71.2	18.7	56.1	74.8	98.8

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.6	26.0	21.2	72.3	0.0	0.0	0.0	5.7
2	19.0	25.5	21.2	75.7	0.0	2.5	2.5	3.8
3	15.8	23.2	19.0	85.3	.1	0.0	.1	.5
4	17.5	24.5	21.0	76.3	0.0	27.0	27.0	2.3
5	14.8	24.4	18.6	81.7	9.2	.4	9.6	1.5
6	16.0	21.0	17.6	83.0	4.9	0.0	4.9	.5
7	16.2	21.4	18.1	75.0	0.0	0.0	0.0	3.0
8	16.9	23.0	19.7	76.3	0.0	0.0	0.0	3.0
9	16.8	20.4	18.8	73.0	.4	.2	.6	.5
10	16.0	26.5	20.4	76.0	1.0	19.3	20.3	3.2
11	17.5	25.2	20.6	79.3	0.0	1.3	1.3	2.2
12	17.0	23.5	19.1	82.7	48.0	10.0	58.0	1.3
13	16.8	21.5	19.0	87.3	0.0	0.0	0.0	.1
14	17.6	27.0	21.5	74.3	0.0	0.0	0.0	4.5
15	16.8	25.8	20.2	76.3	4.1	13.8	17.9	4.4
16	17.0	25.0	20.6	82.3	0.0	11.9	11.9	4.4
17	15.8	26.0	20.5	80.3	0.0	4.1	4.1	5.6
18	16.0	21.6	18.6	84.0	0.0	1.0	1.0	1.7
19	15.2	21.8	18.1	74.7	.3	8.9	9.2	.6
20	15.4	20.8	18.1	74.3	.5	0.0	.5	.9
21	16.0	22.0	18.3	72.0	.7	0.0	.7	.4
22	16.4	22.5	18.6	63.7	0.0	15.0	15.0	1.8
23	16.0	21.4	18.7	72.3	0.0	0.0	0.0	.6
24	16.1	26.0	19.4	66.0	0.0	0.0	0.0	4.3
25	14.6	26.2	19.6	68.0	0.0	0.0	0.0	4.6
26	16.0	23.4	18.7	66.0	0.0	0.0	0.0	3.2
27	15.0	23.6	18.2	69.3	0.0	0.0	0.0	2.2
28	15.8	24.5	18.6	80.7	0.0	0.0	0.0	2.4
29								
30								
31								
TOTAL PROMEDIO	16.4	23.7	19.3	76.0	69.2	115.4	184.6	66.4

ESTACION: MISIONES

DPTO: CUNDINAMARCA

LATITUD : 04° 33'N

AÑO : 1990

MPIO: MESITAS DEL COLEGIO

LONGITUD: 74° 25'W

ALTITUD : 1540 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	26.5	20.4	74.0	0.0	0.0	0.0	5.1
2	15.8	24.6	20.1	65.0	0.0	20.3	20.3	3.1
3	15.2	21.6	18.6	68.0	0.0	0.0	0.0	.8
4	16.0	21.8	18.8	69.7	0.0	.2	.2	1.6
5	15.6	20.0	17.8	77.0	.2	0.0	.2	.1
6	16.0	23.6	19.9	74.0	0.0	0.0	0.0	2.0
7	18.0	26.0	20.6	70.7	.3	0.0	.3	2.3
8	18.4	23.8	20.9	69.7	0.0	0.0	0.0	1.4
9	17.2	23.0	20.0	71.7	3.1	.2	3.3	.8
10	16.0	23.2	18.8	66.3	0.0	0.0	0.0	.8
11	16.5	22.0	18.7	61.3	0.0	0.0	0.0	
12	16.0	26.8	21.1	64.0	0.0	0.0	0.0	4.9
13	18.2	26.2	20.9	71.0	0.0	0.0	0.0	2.2
14	18.6	25.0	20.8	72.3	0.0	0.0	0.0	1.1
15	16.8	24.4	20.2	71.3	0.0	.4	.4	.6
16	17.4	24.2	20.8	69.0	0.0	0.0	0.0	2.0
17	18.0	26.2	22.2	62.7	0.0	26.2	26.2	2.0
18	16.2	20.4	17.7	80.0	7.5	0.0	7.5	.6
19	16.0	26.4	21.9	62.7	0.0	0.0	0.0	3.2
20	17.8	23.4	20.6	73.7	.1	0.0	.1	1.0
21	17.6	22.5	19.6	69.3	5.5	0.0	5.5	0.0
22	17.0	25.8	21.9	68.7	0.0	0.0	0.0	4.8
23	18.0	22.5	19.5	69.0	0.0	35.0	35.0	1.2
24	16.0	20.6	17.9	68.0	26.5	0.0	26.5	.3
25	16.6	20.8	19.2	62.0	.5	24.3	24.8	.2
26	15.0	21.4	17.7	71.0	.7	0.0	.7	.2
27	14.0	24.2	19.0	66.7	.1	0.0	.1	3.9
28	15.8	26.2	20.3	65.3	0.0	0.0	0.0	7.9
29	16.4	25.5	21.2	66.3	0.0	0.0	0.0	6.2
30	17.6	26.8	21.5	71.3	0.0	63.5	63.5	6.5
31	16.0	22.4	19.1	77.3	.1	3.2	3.3	1.1
TOTAL PROMEDIO	16.6	23.8	19.9	69.3	44.6	173.3	217.9	

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.9	18.2	16.7	76.0	2.3	2.6	4.9	0.0
2	15.2	23.4	19.0	78.0	0.0	0.0	0.0	1.9
3	17.0	24.0	19.8	72.7	0.0	0.0	0.0	1.8
4	16.4	23.0	19.3	70.7	0.0	0.0	0.0	1.1
5	16.5	20.4	18.5	74.7	.5	0.0	.5	.2
6	16.0	19.2	17.1	78.7	.5	0.0	.5	0.0
7	17.0	26.2	20.5	69.7	0.0	0.0	0.0	4.1
8	18.0	23.5	20.8	65.3	0.0	0.0	0.0	3.1
9	17.6	25.2	21.3	61.0	0.0	0.0	0.0	6.9
10	19.4	25.5	21.1	74.0	0.0	0.0	0.0	4.6
11	19.3	25.0	20.8	64.0	0.0	0.0	0.0	2.4
12	18.8	25.2	20.9	68.0	.7	0.0	.7	1.5
13	18.4	23.5	20.6	66.7	0.0	0.0	0.0	1.6
14	16.5	23.4	19.3	76.3	3.1	0.0	3.1	2.0
15	16.8	25.3	19.5	71.3	4.7	0.0	4.7	1.9
16	16.4	20.2	17.5	78.0	.9	0.0	.9	.1
17	17.0	24.0	20.2	72.7	0.0	0.0	0.0	2.6
18	17.2	26.5	20.3	59.0	2.8	.7	3.5	3.4
19	17.0	23.2	19.1	68.0	1.2	0.0	1.2	1.3
20	17.4	22.0	19.2	71.7	.1	.8	.9	.9
21	18.0	23.4	19.8	66.7	.4	0.0	.4	.1
22	16.8	22.8	18.9	80.0	28.3	.4	28.7	2.2
23	16.0	23.5	19.2	79.3	.2	0.0	.2	.8
24	17.0	20.8	18.6	79.3	0.0	0.0	0.0	0.0
25	16.8	20.6	18.2	84.7	2.5	13.4	15.9	.1
26	15.0	20.4	17.6	74.0	2.2	0.0	2.2	0.0
27	16.0	23.0	19.6	74.3	.3	0.0	.3	.7
28	17.0	20.2	18.6	68.7	1.9	3.5	5.4	.1
29	15.0	20.8	17.2	75.3	4.6	0.0	4.6	.6
30	16.0	20.0	17.7	77.3	5.9	0.0	5.9	0.0
31								
TOTAL PROMEDIO	16.9	22.7	19.2	72.5	63.1	21.4	84.5	46.0



ESTACION: MISIONES

DPTO: CUNDINAMARCA

LATITUD : 04° 33'N

AÑO : 1990

MPIO: MESITAS DEL COLEGIO

LONGITUD: 74° 25'W  
ALTITUD : 1540 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.8	22.4	19.0	71.3	0.0	0.0	0.0	1.3
2	16.6	22.6	17.0	75.0	3.5	25.1	28.6	.3
3	15.4	21.0	18.1	73.7	.4	.6	1.0	.1
4	16.0	22.4	19.1	72.0	0.0	1.7	1.7	1.8
5	16.1	22.5	18.8	81.0	11.0	30.4	41.4	2.1
6	15.2	21.4	17.8	86.0	0.0	0.0	0.0	.8
7	16.8	23.5	20.5	82.3	.8	0.0	.8	.8
8	18.4	22.4	19.8	78.3	1.1	0.0	1.1	.4
9	17.0	24.0	20.5	77.0	0.0	0.0	0.0	1.3
10	17.1	24.2	20.6	67.7	0.0	15.9	15.9	3.0
11	16.0	23.2	18.9	78.0	0.0	0.0	0.0	.8
12	17.0	22.2	19.3	78.3	.1	0.0	.1	1.9
13	18.0	23.0	20.0	76.3	.1	22.4	22.5	.8
14	15.0	21.2	18.4	83.3	1.4	0.0	1.4	.4
15	16.0	24.0	20.1	68.0	0.0	0.0	0.0	2.9
16	17.8	23.8	20.7	71.3	1.0	0.0	1.0	2.3
17	18.0	23.9	19.8	74.7	0.0	.6	.6	1.3
18	15.4	24.8	19.8	77.7	0.0	.1	.1	2.7
19	17.2	22.0	19.3	87.0	.7	.1	.8	.3
20	17.0	24.5	20.4	82.7	3.4	0.0	3.4	1.5
21	17.4	23.5	20.2	80.3	0.0	0.0	0.0	.5
22	16.6	19.4	18.6	87.0	9.8	0.0	9.8	.2
23	16.2	23.0	19.3	75.3	5.8	0.0	5.8	1.6
24	16.5	22.5	19.8	79.7	0.0	0.0	0.0	.3
25	17.2	22.8	20.0	76.0	1.5	.2	1.7	.6
26	17.5	22.6	19.6	84.7	3.2	0.0	3.2	.7
27	17.3	24.5	20.3	75.0	.2	0.0	.2	2.0
28	18.5	21.0	19.3	85.3	1.6	6.7	8.3	.3
29	17.0	21.2	17.7	89.7	5.1	.6	5.7	.3
30	15.8	22.4	18.7	83.3	.9	0.0	.9	1.4
31	16.2	24.6	20.4	72.7	0.0	0.0	0.0	3.2
TOTAL					51.6	104.4	156.0	37.9
PROMEDIO	16.7	22.8	19.4	78.4				

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.2	23.0	19.1	86.7	5.3	0.0	5.3	1.7
2	16.5	22.2	19.9	79.3	1.7	0.0	1.7	3.1
3	18.5	23.8	21.0	75.0	0.0	0.0	0.0	4.4
4	19.0	24.5	20.9	76.3	0.0	0.0	0.0	1.9
5	18.8	23.8	20.7	79.0	0.0	0.0	0.0	1.8
6	19.0	24.0	20.8	78.3	0.0	0.0	0.0	5.4
7	17.5	26.5	21.7	61.3	0.0	0.0	0.0	4.9
8	18.5	26.4	20.9	70.0	0.0	0.0	0.0	2.9
9	19.5	26.0	21.4	77.0	.1	2.5	2.6	.8
10	18.0	21.0	18.8	88.3	1.5	4.2	5.7	.2
11	16.4	21.2	18.7	88.3	1.5	0.0	1.5	.2
12	17.0	24.0	21.1	76.3	0.0	1.9	1.9	2.3
13	16.2	24.6	20.2	84.0	0.0	17.1	17.1	2.0
14	17.0	23.2	19.8	86.3	1.4	0.0	1.4	1.0
15	17.1	23.5	19.9	83.3	0.0	0.0	0.0	1.1
16	16.2	21.4	19.1	80.7	2.7	0.0	2.7	.9
17	16.0	22.0	19.6	76.3	1.2	0.0	1.2	2.7
18	16.8	24.8	22.1	71.0	0.0	0.0	0.0	4.5
19	17.8	25.0	22.4	73.0	0.0	0.0	0.0	4.0
20	17.0	23.2	21.1	71.0	.1	0.0	.1	1.4
21	16.8	22.2	20.4	76.7	0.0	0.0	0.0	1.6
22	16.2	21.8	19.3	79.7	.2	0.0	.2	.7
23	18.0	24.0	20.9	67.7	.1	0.0	.1	.6
24	19.0	22.2	19.4	79.0	3.3	0.0	3.3	.5
25	17.0	24.2	20.7	69.3	.8	0.0	.8	3.5
26	18.8	25.0	21.0	73.3	0.0	0.0	0.0	1.7
27	16.8	24.0	18.9	86.0	3.7	0.0	3.7	.6
28	16.6	23.4	20.5	72.7	0.0	0.0	0.0	.8
29	15.8	24.5	20.6	73.7	0.0	0.0	0.0	2.8
30	16.4	23.5	21.0	71.7	.1	0.0	.1	2.4
31								
TOTAL					23.7	25.7	49.4	62.4
PROMEDIO	17.4	23.6	20.4	77.0				

ESTACION: MISIONES

DPTO: CUNDINAMARCA

LATITUD : 04° 33'N

AÑO : 1990

MPIO: MESITAS DEL COLEGIO

LONGITUD: 74° 25'W

ALTITUD : 1540 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.8	24.0	20.8	70.7	0.0	0.0	0.0	1.2
2	17.2	24.5	21.1	73.3	0.0	0.0	0.0	2.1
3	17.0	23.0	20.1	79.0	0.0	0.0	0.0	1.2
4	16.5	21.6	19.5	86.0	2.2	.1	2.3	.5
5	16.2	22.2	19.8	81.0	.3	0.0	.3	.5
6	16.5	24.2	20.1	76.7	0.0	0.0	0.0	2.1
7	17.8	25.0	21.4	69.0	0.0	0.0	0.0	4.0
8	17.6	24.8	21.1	74.7	1.2	16.5	17.7	2.9
9	16.0	24.2	19.8	78.0	2.2	0.0	2.2	4.8
10	15.8	20.4	17.8	84.0	3.1	0.0	3.1	.6
11	16.2	22.2	19.1	78.7	0.0	0.0	0.0	1.4
12	16.8	23.0	19.1	82.0	0.0	0.0	0.0	1.0
13	16.0	24.0	19.4	77.0	.3	0.0	.3	1.5
14	17.0	23.2	20.2	72.7	0.0	0.0	0.0	.9
15	17.6	22.6	18.5	84.0	1.0	0.0	1.0	.8
16	17.0	23.5	19.7	75.3	.7	0.0	.7	2.1
17	17.5	22.2	19.2	80.0	1.3	0.0	1.3	.9
18	17.6	24.5	20.2	73.3	.2	.1	.3	2.0
19	16.0	22.5	18.6	85.7	0.0	0.0	0.0	1.3
20	17.0	25.1	20.7	62.7	0.0	0.0	0.0	
21	17.5	20.8	19.3	78.3	0.0	0.0	0.0	
22	17.2	23.6	20.0	75.0	0.0	4.5	4.5	
23	15.2	23.8	20.0	75.3	0.0	.3	.3	2.3
24	16.5	24.8	20.3	73.0	0.0	0.0	0.0	3.9
25	16.7	25.0	20.7	63.0	0.0	0.0	0.0	4.5
26	15.0	23.5	20.2	63.3	0.0	0.0	0.0	3.8
27	16.0	25.6	20.6	61.7	0.0	0.0	0.0	2.0
28	15.0	25.0	20.3	70.7	0.0	0.0	0.0	3.9
29	16.0	25.2	20.8	70.0	2.6	0.0	2.6	2.5
30	15.8	21.8	18.5	80.7	4.5	3.2	7.7	.9
31	16.0	21.6	19.4	69.7	.3	0.0	.3	1.1
TOTAL PROMEDIO	16.5	23.5	19.9	75.0	19.9	24.7	44.6	

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	25.0	20.9	58.3	0.0	0.0	0.0	3.3
2	16.8	25.2	21.6	58.0	0.0	0.0	0.0	3.2
3	16.5	23.5	20.3	69.7	0.0	1.0	1.0	.9
4	15.8	24.8	20.6	69.7	0.0	0.0	0.0	3.3
5	15.0	25.0	20.9	69.0	0.0	0.0	0.0	3.8
6	16.0	27.0	21.8	60.0	0.0	.6	.6	3.4
7	17.0	25.0	20.4	73.0	0.0	0.0	0.0	2.5
8	16.0	26.0	20.8	66.3	0.0	1.1	1.1	2.7
9	16.4	24.0	20.9	74.0	.1	0.0	.1	2.3
10	17.0	22.8	17.6	83.0	19.4	0.0	19.4	.1
11	15.4	24.2	20.4	63.3	0.0	0.0	0.0	1.3
12	15.0	25.0	20.5	58.0	0.0	0.0	0.0	5.4
13	17.0	23.5	19.1	74.3	.9	0.0	.9	.5
14	17.2	24.8	20.7	71.7	5.3	0.0	5.3	3.1
15	18.2	23.2	20.1	69.3	6.4	0.0	6.4	.8
16	18.0	24.8	20.9	70.7	3.8	0.0	3.8	2.9
17	18.1	24.9	21.9	67.3	0.0	0.0	0.0	4.4
18	19.0	25.0	22.0	68.3	0.0	0.0	0.0	2.2
19	17.2	25.5	21.9	67.3	0.0	0.0	0.0	2.8
20	18.0	25.8	21.8	64.3	0.0	0.0	0.0	3.0
21	16.8	25.6	21.5	63.3	0.0	0.0	0.0	2.7
22	15.0	25.2	20.5	72.0	0.0	0.0	0.0	4.9
23	16.5	27.2	21.3	59.7	0.0	0.0	0.0	4.1
24	17.0	24.0	20.6	67.3	0.0	0.0	0.0	2.8
25	16.8	28.0	22.1	59.3	0.0	0.0	0.0	5.0
26	18.0	24.2	19.8	83.0	6.5	9.6	16.1	2.8
27	16.0	24.4	20.6	72.3	1.4	.4	1.8	3.1
28	17.8	21.5	19.9	78.7	2.0	0.0	2.0	.5
29	14.2	20.4	18.9	79.7	1.6	0.0	1.6	.3
30	17.5	24.2	21.0	72.0	0.0	0.0	0.0	3.9
31	17.0	22.8	19.9	82.0	1.9	0.0	1.9	2.0
TOTAL PROMEDIO	16.7	24.6	20.7	69.2	49.3	12.7	62.0	84.0

ESTACION: MISIONES

DPTO: CUNDINAMARCA

LATITUD : 04° 33'N

LONGITUD: 74° 25'W

AÑO : 1990

MPIO: MESITAS DEL COLEGIO

ALTITUD : 1540 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.4	23.0	20.2	83.3	1.5	0.0	1.5	1.4
2	17.0	24.5	20.1	70.7	.3	0.0	.3	1.5
3	17.1	23.5	20.4	78.0	1.6	.2	1.8	1.9
4	16.5	24.5	21.1	71.3	0.0	0.0	0.0	4.1
5	16.7	26.5	21.9	61.3	0.0	0.0	0.0	3.7
6	18.8	26.4	22.5	60.7	0.0	0.0	0.0	5.6
7	16.5	24.0	20.4	77.7	3.6	0.0	3.6	1.6
8	17.8	24.5	20.3	75.0	0.0	0.0	0.0	4.1
9	18.5	23.0	19.6	72.3	0.0	0.0	0.0	1.9
10	18.0	25.0	21.3	70.7	.5	1.4	1.9	2.4
11	16.2	23.2	19.4	74.7	3.4	.7	4.1	.9
12	17.9	24.8	20.9	68.0	1.3	0.0	1.3	3.4
13	17.8	25.8	21.0	69.3	1.2	1.2	2.4	3.5
14	16.5	22.4	19.5	72.0	0.0	0.0	0.0	2.0
15	15.0	24.0	19.8	72.7	0.0	0.0	0.0	7.6
16	15.2	27.0	21.9	58.7	0.0	0.0	0.0	2.3
17	17.0	28.4	23.0	49.7	0.0	0.0	0.0	7.0
18	17.8	28.8	23.9	49.7	0.0	.1	.1	8.7
19	18.0	25.0	20.5	76.3	.5	0.0	.5	3.3
20	17.8	24.0	20.8	67.7	0.0	0.0	0.0	1.7
21	17.5	24.8	21.1	71.0	0.0	0.0	0.0	3.5
22	16.0	23.5	19.2	83.3	0.0	0.0	0.0	.9
23	17.0	24.5	19.1	83.3	.3	0.0	.3	1.8
24	16.2	24.0	20.6	70.7	3.5	0.0	3.5	3.2
25	17.8	26.8	21.7	60.7	.2	0.0	.2	4.5
26	18.0	26.0	21.5	65.7	0.0	0.0	0.0	2.4
27	16.6	25.0	21.0	69.0	0.0	0.0	0.0	2.2
28	16.8	24.0	20.9	67.0	.2	0.0	.2	.9
29	17.8	25.0	21.1	68.7	.1	0.0	.1	1.1
30	14.5	25.8	20.7	74.7	47.9	.5	48.4	3.3
31								
TOTAL PROMEDIO	17.1	24.9	20.8	69.8	66.1	4.1	70.2	92.4

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	24.0	20.5	72.3	0.0	0.0	0.0	.6
2	17.8	21.5	19.6	80.3	1.1	0.0	1.1	.1
3	16.4	22.5	19.9	81.0	0.0	0.0	0.0	.1
4	17.5	26.5	21.0	76.0	0.0	11.2	11.2	2.0
5	15.6	23.0	19.0	83.7	.8	6.2	7.0	.6
6	16.0	23.2	19.6	83.3	4.8	.1	4.9	2.7
7	16.2	21.2	18.3	92.7	.8	2.1	2.9	.3
8	16.0	22.0	19.0	83.7	.7	0.0	.7	.2
9	17.0	23.0	20.1	77.0	.2	0.0	.2	1.7
10	17.5	20.2	18.6	84.7	.7	0.0	.7	.1
11	16.0	23.0	18.7	83.0	18.0	0.0	18.0	1.4
12	15.2	24.8	18.2	87.7	1.2	0.0	1.2	1.1
13	16.4	23.4	19.2	79.7	10.5	0.0	10.5	2.0
14	17.0	23.5	19.6	81.3	11.9	0.0	11.9	1.9
15	16.4	24.8	19.8	81.0	0.0	0.0	0.0	1.9
16	17.0	23.8	20.1	80.7	1.9	7.1	9.0	4.0
17	16.2	23.6	19.9	83.3	.2	2.0	2.2	3.9
18	17.0	25.2	21.0	75.0	0.0	14.5	14.5	
19	16.5	21.0	18.7	89.3	3.9	1.5	5.4	
20	17.0	19.2	18.2	91.7	11.4	5.2	16.6	
21	14.5	23.2	18.9	82.7	0.0	26.5	26.5	
22	16.0	22.0	18.9	81.3	0.0	0.0	0.0	
23	16.8	23.2	19.2	83.3	.3	0.0	.3	
24	16.2	20.0	18.7	88.7	.5	0.0	.5	
25	16.0	24.0	19.2	83.0	0.0	3.2	3.2	
26	17.1	22.8	19.9	74.3	.5	0.0	.5	
27	17.0	22.0	18.8	80.7	1.0	0.0	1.0	
28	16.8	24.0	19.4	85.3	3.9	0.0	3.9	
29	17.0	20.0	17.5	88.0	20.5	0.0	20.5	
30	15.5	22.5	18.6	88.0	0.0	1.1	1.1	
31	17.0	24.0	19.1	85.3	8.6	0.0	8.6	
TOTAL PROMEDIO	16.5	22.8	19.2	82.8	103.4	80.7	184.1	

ESTACION: MISIONES

DPTO: CUNDINAMARCA

LATITUD : 04° 33'N

ANO : 1990

MPIO: MESITAS DEL COLEGIO

LONGITUD : 74° 25'W

ALTITUD : 1540 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	24.2	20.1	82.3	0.0	1.0	1.0	
2	16.5	23.0	19.5	85.0	3.4	.7	4.1	1.3
3	16.8	20.2	18.2	90.7	4.7	0.0	4.7	.2
4	15.0	21.0	18.2	86.7	5.3	0.0	5.3	1.5
5	15.8	21.8	18.0	84.7	30.2	0.0	30.2	.5
6	16.0	23.0	20.1	80.0	0.0	0.0	0.0	3.5
7	17.5	25.5	21.1	63.7	0.0	0.0	0.0	4.1
8	16.5	22.5	20.4	78.3	0.0	0.0	0.0	1.7
9	17.0	23.5	20.5	80.0	1.9	.7	2.6	2.9
10	16.8	20.4	17.6	88.0	.3	0.0	.3	1.6
11	16.0	24.8	20.9	62.3	0.0	0.0	0.0	7.5
12	18.7	23.0	21.1	63.3	0.0	0.0	0.0	3.0
13	17.4	25.4	21.9	64.7	0.0	0.0	0.0	5.8
14	17.2	25.1	21.4	69.3	0.0	0.0	0.0	4.8
15	19.0	24.9	21.1	69.3	.2	0.0	.2	3.0
16	18.6	24.5	20.9	74.3	0.0	0.0	0.0	4.1
17	18.8	27.4	22.0	73.3	0.0	19.9	19.9	6.5
18	15.4	20.8	18.0	90.0	1.3	0.0	1.3	
19	16.7	21.5	18.7	89.0	.4	0.0	.4	1.4
20	17.2	24.0	20.5	83.7	0.0	0.0	0.0	1.9
21	18.6	22.0	19.7	73.3	5.2	0.0	5.2	7.3
22	16.8	24.8	20.5	77.0	0.0	0.0	0.0	4.9
23	17.0	23.0	19.0	89.0	23.7	16.3	40.0	.9
24	16.0	20.8	18.5	92.0	0.0	0.0	0.0	1.9
25	16.1	23.2	18.8	88.3	0.0	0.0	0.0	2.3
26	16.8	23.5	18.9	85.7	15.1	.6	15.7	3.7
27	17.5	24.8	19.8	79.3	.6	0.0	.6	2.3
28	17.6	23.6	19.5	77.3	1.2	0.0	1.2	2.9
29	17.4	23.2	20.2	81.3	.1	24.3	24.4	4.4
30	16.8	22.0	19.1	86.3	1.0	0.0	1.0	1.0
31								
TOTAL					94.6	63.5	156.1	
PROMEDIO	17.0	23.2	19.8	79.6				

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.4	24.0	19.8	85.0	0.0	20.0	20.0	5.7
2	17.0	23.0	18.8	93.3	.7	2.1	2.8	.9
3	16.8	19.4	18.3	90.7	2.0	0.0	2.0	.6
4	16.0	21.2	19.1	90.3	0.0	21.0	21.0	.4
5	16.2	19.4	17.7	90.3	20.0	0.0	20.0	.3
6	15.8	21.0	18.4	87.3	2.4	1.3	3.7	.9
7	16.0	22.0	19.3	85.0	1.7	0.0	1.7	1.7
8	15.8	21.0	17.8	90.3	3.0	.1	3.1	1.5
9	15.5	22.2	18.2	83.3	0.0	13.0	13.0	6.0
10	16.0	24.8	20.0	83.3	0.0	0.0	0.0	7.4
11	17.0	22.8	19.3	89.3	3.2	.2	3.4	4.7
12	16.2	22.5	19.4	83.3	0.0	0.0	0.0	4.6
13	17.0	23.5	19.3	72.3	0.0	0.0	0.0	5.4
14	19.5	23.4	19.6	75.3	0.0	0.0	0.0	2.3
15	18.5	24.2	20.5	76.0	0.0	0.0	0.0	5.2
16	17.5	25.2	21.3	67.7	0.0	0.0	0.0	2.7
17	18.0	24.2	21.2	66.0	0.0	0.0	0.0	4.1
18	18.1	23.5	20.2	77.0	0.0	0.0	0.0	3.7
19	18.0	23.0	20.4	78.0	0.0	0.0	0.0	2.5
20	19.2	25.5	21.1	72.3	0.0	0.0	0.0	5.7
21	17.5	25.2	20.8	80.3	0.0	0.0	0.0	5.6
22	17.4	23.5	19.5	88.7	0.0	0.0	0.0	4.0
23	16.2	25.0	19.6	84.7	0.0	9.0	9.0	6.4
24	16.6	21.9	19.4	88.7	0.0	0.0	0.0	
25	15.2	22.4	19.3	83.0	0.0	22.0	22.0	
26	16.8	22.2	18.5	82.3	4.2	0.0	4.2	3.6
27	17.1	21.0	18.8	83.0	0.0	0.0	0.0	.1
28	17.0	21.5	18.5	85.0	2.0	0.0	2.0	1.7
29	16.8	25.0	19.8	75.3	0.0	0.0	0.0	4.8
30	17.4	24.2	20.4	78.7	0.0	.2	.2	4.2
31	16.8	21.5	19.0	87.3	3.7	.4	4.1	.3
TOTAL					42.9	89.3	132.2	
PROMEDIO	16.9	22.9	19.5	82.4				

ESTACION: MISIONES  
 AÑO : 1990

DPTO: CUNDINAMARCA  
 MPIO: MESITAS DEL COLEGIO

LATITUD : 04° 33'N  
 LONGITUD: 74° 25'W  
 ALTITUD : 1540 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	16.6	24.5	19.8	14.8	27.0	71.2	74.8	13	98.8
FEBRERO	16.4	23.7	19.3	14.6	27.0	76.0	184.6	17	66.4
MARZO	16.6	23.8	19.9	14.0	26.8	69.3	217.9	17	
ABRIL	16.9	22.7	19.2	15.0	26.5	72.5	84.5	19	46.0
MAYO	16.7	22.8	19.4	15.0	24.8	78.4	156.0	23	37.9
JUNIO	17.4	23.6	20.4	15.8	26.5	77.0	49.4	17	62.4
JULIO	16.5	23.5	19.9	15.0	25.6	75.0	44.6	15	
AGOSTO	16.7	24.6	20.7	14.2	28.0	69.2	62.0	14	84.0
SEPTIEMBRE	17.1	24.9	20.8	14.5	28.8	69.8	70.2	16	92.4
OCTUBRE	16.5	22.8	19.2	14.5	26.5	82.8	184.1	27	
NOVIEMBRE	17.0	23.2	19.8	15.0	27.4	79.6	158.1	18	
DICIEMBRE	16.9	22.9	19.5	15.2	25.5	82.4	132.2	16	
PROMEDIO	16.8	23.6	19.8			75.3			
ABSOLUTA				14.0	28.8				
TOTAL							1418.4	212	

ESTACION: GRANJA TIBACUY

DPTO: CUNDINAMARCA

LATITUD : 04° 22'N

AÑO : 1990

MPIO: TIBACUY

LONGITUD: 74° 26'W

ALTITUD : 1550 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.9	24.0	18.9	84.3	0.0	7.8	7.8	4.7
2	14.6	22.8	18.5	78.7	0.0	0.0	0.0	3.6
3	15.4	22.5	18.6	81.3	0.0	0.0	0.0	2.5
4	14.5	24.0	19.7	78.0	0.0	0.0	0.0	5.5
5	15.2	23.2	18.8	82.0	0.0	0.0	0.0	2.1
6	14.5	23.4	18.3	86.0	1.9	4.6	6.5	3.7
7	15.4	22.5	18.3	81.3	1.2	0.0	1.2	3.8
8	14.5	23.4	19.5	78.7	0.0	0.0	0.0	3.5
9	16.2	23.7	19.0	80.3	0.0	10.5	10.5	4.9
10	15.8	22.2	17.9	82.0	0.0	0.0	0.0	1.0
11	14.8	24.4	19.1	80.0	0.0	0.0	0.0	7.8
12	16.0	22.5	18.8	80.0	0.0	0.0	0.0	.6
13	14.9	22.0	18.8	80.3	0.0	0.0	0.0	3.8
14	15.0	23.2	18.4	83.7	0.0	0.0	0.0	2.9
15	15.4	24.0	19.0	82.0	0.0	0.0	0.0	4.3
16	15.0	25.4	19.3	78.7	0.0	0.0	0.0	7.1
17	14.6	25.5	19.2	72.7	0.0	0.0	0.0	6.2
18	16.0	26.4	20.2	71.7	0.0	0.0	0.0	7.9
19	15.8	26.3	20.6	77.3	0.0	3.6	3.6	5.2
20	15.7	24.7	20.4	76.7	0.0	0.0	0.0	6.4
21	15.0	24.2	18.4	83.3	6.4	0.0	6.4	4.0
22	14.8	23.0	18.3	78.7	7.6	0.0	7.6	2.1
23	15.0	25.0	18.8	82.7	0.0	0.0	0.0	6.9
24	16.4	25.2	19.9	79.0	0.0	0.0	0.0	3.8
25	17.0	26.7	20.1	72.0	0.0	.3	.3	6.5
26	17.3	22.7	18.3	92.3	1.3	2.4	3.7	.2
27	15.8	25.8	20.0	74.3	0.0	0.0	0.0	6.2
28	15.5	27.4	20.3	70.3	0.0	0.0	0.0	7.0
29	16.0	26.5	20.9	72.0	0.0	0.0	0.0	6.8
30	17.0	25.0	20.4	79.0	0.0	0.0	0.0	2.1
31	15.5	26.5	20.3	76.0	0.0	0.0	0.0	4.8
TOTAL PROMEDIO	15.5	24.3	19.2	79.2	18.4	29.2	47.6	137.9

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.5	27.1	21.5	68.0	0.0	0.0	0.0	7.9
2	17.5	26.5	21.5	72.3	1.5	2.5	4.0	4.7
3	16.5	23.8	19.5	74.7	.7	0.0	.7	.6
4	16.6	26.2	21.0	79.3	2.8	52.3	55.1	5.4
5	16.4	22.8	18.8	91.3	15.8	2.6	18.4	.7
6	16.5	21.8	18.5	90.0	7.7	0.0	7.7	.7
7	16.0	21.6	18.6	85.7	.7	0.0	.7	.4
8	15.5	24.7	20.4	79.0	0.0	0.0	0.0	5.9
9	17.5	23.5	19.6	83.3	0.0	.7	.7	.9
10	16.5	24.2	20.5	85.3	.6	3.6	4.2	6.0
11	16.4	24.3	20.6	81.7	0.0	0.0	0.0	5.6
12	17.5	23.0	19.7	88.0	0.0	7.5	7.5	1.8
13	17.0	20.5	18.6	88.3	0.0	0.0	0.0	.3
14	15.4	24.6	20.0	81.3	0.0	0.0	0.0	5.4
15	17.5	23.6	20.3	87.0	18.4	10.0	28.4	4.2
16	16.8	23.8	19.9	88.7	0.0	.2	.2	5.8
17	15.0	24.1	19.0	83.3	0.0	11.0	11.0	5.7
18	14.4	21.0	18.2	86.0	7.7	13.2	20.9	.8
19	16.0	20.0	17.3	90.3	44.8	.6	45.4	.6
20	14.8	20.6	17.1	88.7	0.0	0.0	0.0	1.3
21	15.5	21.4	18.2	86.7	0.0	0.0	0.0	1.1
22	15.6	22.6	18.0	89.3	2.1	.1	2.2	2.8
23	15.4	23.0	18.3	87.0	4.7	0.0	4.7	2.1
24	15.8	23.5	19.3	83.3	.1	0.0	.1	6.1
25	14.0	24.0	19.3	74.7	0.0	0.0	0.0	6.6
26	16.5	23.2	18.7	80.3	0.0	0.0	0.0	3.3
27	15.0	22.0	18.9	84.3	0.0	0.0	0.0	3.3
28	15.5	22.5	18.1	85.7	0.0	.7	.7	2.8
29								
30								
31								
TOTAL PROMEDIO	16.0	23.2	19.2	83.7	107.6	105.0	212.6	92.8

ESTACION: GRANJA TIBACUY

DPTO: CUNDINAMARCA

LATITUD : 04° 22'N

AÑO : 1990

MPIO: TIBACUY

LONGITUD: 74° 26'W

ALTITUD : 1550 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.0	24.2	19.2	83.3	0.0	2.3	2.3	7.2
2	16.5	23.6	18.9	80.7	0.0	24.3	24.3	4.6
3	15.8	23.0	18.4	82.7	.4	0.0	.4	5.5
4	15.0	21.8	18.4	80.7	0.0	2.1	2.1	.5
5	16.2	20.5	17.7	90.7	.2	.4	.6	.7
6	14.9	24.2	19.9	75.7	0.0	0.0	0.0	6.4
7	16.8	24.4	20.1	75.0	0.0	0.0	0.0	4.9
8	17.5	23.4	19.4	79.3	0.0	0.0	0.0	1.8
9	17.6	22.6	19.4	85.7	0.0	.5	.5	.6
10	16.2	22.1	18.7	89.0	3.3	0.0	3.3	.7
11	16.0	21.5	18.7	84.0	.5	0.0	.5	0.0
12	14.8	25.7	19.0	78.3	0.0	0.0	0.0	4.9
13	16.0	25.8	19.9	79.3	0.0	0.0	0.0	4.6
14	16.1	23.6	19.4	85.3	0.0	0.0	0.0	1.7
15	15.0	24.2	19.3	74.3	.3	.3	.6	2.5
16	16.2	25.3	20.1	76.3	0.0	0.0	0.0	5.6
17	17.0	25.6	21.1	74.7	0.0	.3	.3	3.2
18	16.5	20.4	17.2	95.3	8.3	0.0	8.3	.1
19	15.5	26.0	21.4	69.7	0.0	0.0	0.0	7.9
20	17.0	24.2	20.0	82.3	0.0	0.0	0.0	2.0
21	16.4	23.4	19.2	82.0	.8	0.0	.8	.6
22	15.4	25.7	20.3	77.0	0.0	0.0	0.0	6.0
23	17.4	22.7	19.1	87.0	2.1	26.4	28.5	1.4
24	16.9	22.4	19.1	88.7	.8	1.8	2.6	.8
25	17.4	21.4	18.8	88.3	.3	12.9	13.2	.1
26	15.5	20.0	17.2	91.3	10.6	0.0	10.6	.1
27	14.4	22.2	18.3	88.3	0.0	0.0	0.0	4.6
28	16.4	24.4	19.6	80.0	0.0	0.0	0.0	8.7
29	15.4	24.6	20.2	76.0	0.0	0.0	0.0	5.9
30	16.4	24.8	20.8	81.3	0.0	22.8	22.8	5.7
31	17.0	23.5	19.4	87.3	0.0	11.2	11.2	2.1
TOTAL PROMEDIO	16.1	23.5	19.3	82.2	27.6	105.3	132.9	101.4

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.2	19.2	16.6	93.7	2.5	0.0	2.5	.4
2	15.4	24.1	17.8	80.3	0.0	0.0	0.0	3.0
3	15.8	23.5	18.4	90.3	1.6	0.0	1.6	2.0
4	15.5	22.1	19.2	83.3	.1	0.0	.1	1.1
5	15.8	21.7	18.5	89.3	1.0	.2	1.2	1.2
6	16.4	20.6	17.8	92.3	.9	0.0	.9	.1
7	16.0	24.7	19.4	76.7	0.0	0.0	0.0	4.4
8	16.4	24.5	20.3	72.0	0.0	0.0	0.0	5.1
9	15.4	26.4	20.2	68.3	0.0	0.0	0.0	9.5
10	14.9	25.5	20.7	73.7	0.0	0.0	0.0	7.3
11	17.5	24.2	20.2	81.0	0.0	0.0	0.0	2.2
12	16.0	25.5	20.9	79.3	0.0	0.0	0.0	3.2
13	17.5	23.6	20.7	80.7	0.0	0.0	0.0	1.2
14	17.2	23.2	20.6	83.0	.8	12.2	13.0	3.4
15	15.5	24.3	19.0	82.0	5.0	.3	5.3	4.4
16	15.6	21.4	17.6	90.0	3.1	0.0	3.1	.5
17	15.0	25.0	18.8	84.0	2.6	0.0	2.6	4.4
18	15.8	24.0	19.8	82.7	0.0	0.0	0.0	5.3
19	16.5	24.2	20.9	81.0	0.0	0.0	0.0	5.6
20	16.4	23.7	19.1	88.3	.2	.2	.4	2.9
21	16.8	22.5	18.5	87.3	3.8	0.0	3.8	.8
22	16.0	23.0	19.1	86.3	6.8	3.0	9.8	1.2
23	17.5	23.4	19.0	88.7	.2	3.6	3.8	2.5
24	16.5	20.4	18.5	89.3	.5	0.0	.5	0.0
25	16.4	21.7	18.6	89.3	0.0	3.0	3.0	.5
26	16.7	20.8	18.3	91.3	1.8	0.0	1.8	.2
27	15.6	23.5	19.1	83.3	0.0	0.0	0.0	3.2
28	16.2	23.4	18.8	86.7	2.9	5.5	8.4	1.7
29	15.5	21.6	18.1	83.7	0.0	0.0	0.0	.6
30	15.8	20.8	17.4	89.7	7.5	0.0	7.5	0.0
31								
TOTAL PROMEDIO	16.1	23.1	19.0	84.3	41.3	28.0	69.3	77.9

ESTACION: GRANJA TIBACUY

DPTO: CUNDINAMARCA

LATITUD : 04° 22'N

AÑO : 1990

MPIO: TIBACUY

LONGITUD : 74° 26'W

ALTITUD : 1550 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.4	23.1	19.0	86.7	.2	3.3	3.5	2.2
2	15.8	23.4	20.1	84.3	.1	25.1	25.2	3.6
3	16.2	21.7	18.1	91.0	2.4	0.0	2.4	1.0
4	16.5	22.3	18.4	91.3	7.6	1.8	9.4	2.0
5	17.2	23.8	18.9	90.7	0.0	7.5	7.5	2.5
6	16.5	22.5	19.0	88.7	0.0	0.0	0.0	3.3
7	17.2	23.0	19.9	86.0	0.0	0.0	0.0	2.2
8	17.0	22.0	19.3	88.0	0.0	0.0	0.0	.2
9	16.6	24.6	20.1	80.3	0.0	0.0	0.0	6.4
10	15.2	24.0	20.2	83.0	0.0	.1	.1	6.7
11	17.0	23.4	18.7	79.7	0.0	0.0	0.0	2.3
12	15.5	23.8	19.6	82.3	0.0	0.0	0.0	3.4
13	17.0	24.0	20.4	78.7	0.0	4.1	4.1	4.8
14	15.8	21.6	18.5	90.0	0.0	.2	.2	2.0
15	16.5	23.9	19.7	84.3	0.0	0.0	0.0	6.1
16	16.4	25.5	20.9	72.7	0.0	0.0	0.0	6.6
17	17.5	24.2	19.9	82.3	0.0	2.0	2.0	2.5
18	15.5	23.5	19.6	85.0	0.0	.1	.1	3.1
19	17.0	22.0	18.8	86.7	0.0	0.0	0.0	1.5
20	16.0	24.6	20.3	80.0	0.0	0.0	0.0	5.3
21	16.4	24.0	19.8	82.7	0.0	0.0	0.0	3.2
22	16.5	20.0	18.0	88.0	7.2	0.0	7.2	.2
23	14.5	22.5	18.6	81.0	1.3	.6	1.9	3.0
24	16.6	21.4	18.3	86.0	.9	0.0	.9	.3
25	16.8	22.1	19.0	81.7	2.0	.1	2.1	.8
26	16.0	22.6	18.9	81.7	0.0	0.0	0.0	5.0
27	15.0	24.0	20.0	73.3	0.0	.1	.1	.8
28	16.5	22.5	18.5	78.3	.2	2.0	2.2	.9
29	16.8	20.5	18.3	92.7	6.6	.4	7.0	.5
30	15.0	23.0	18.3	80.0	0.0	0.0	0.0	3.6
31	13.8	23.6	19.8	73.3	0.0	0.0	0.0	5.4
TOTAL PROMEDIO	16.2	23.0	19.2	83.6	28.5	47.4	75.9	91.4

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.5	23.0	18.1	89.3	3.1	0.0	3.1	2.1
2	14.0	24.8	19.6	69.3	.3	0.0	.3	6.2
3	15.6	24.9	20.3	70.0	0.0	0.0	0.0	5.0
4	17.4	24.2	20.1	76.7	0.0	0.0	0.0	1.6
5	17.0	24.0	19.8	82.3	0.0	.2	.2	2.4
6	16.4	26.4	20.2	71.7	0.0	0.0	0.0	8.3
7	14.5	25.5	21.0	58.0	0.0	0.0	0.0	5.7
8	16.0	26.0	20.6	72.7	0.0	0.0	0.0	4.7
9	17.4	24.2	20.5	73.7	0.0	5.6	5.6	.8
10	16.0	24.3	19.3	87.7	0.0	7.6	7.6	1.4
11	15.2	21.5	18.8	87.7	.3	0.0	.3	.6
12	15.8	24.2	20.0	81.3	0.0	1.2	1.2	6.1
13	16.8	24.0	19.5	84.7	0.0	0.0	0.0	5.3
14	16.4	24.3	19.8	82.3	0.0	0.0	0.0	2.9
15	16.5	25.1	20.1	78.3	0.0	0.0	0.0	7.2
16	16.4	22.6	18.7	84.7	.7	0.0	.7	8.2
17	14.9	23.4	19.6	76.0	0.0	.2	.2	.2
18	16.4	25.5	20.4	81.7	0.0	0.0	0.0	.4
19	16.0	24.9	19.6	79.0	.5	0.0	.5	4.4
20	16.4	24.5	20.0	77.3	0.0	0.0	0.0	4.4
21	15.8	24.7	19.7	75.7	0.0	0.0	0.0	4.3
22	15.5	24.0	19.2	76.7	.2	0.0	.2	1.5
23	14.8	24.5	20.0	79.7	.2	0.0	.2	1.1
24	16.2	24.1	18.9	83.3	1.9	0.0	1.9	1.8
25	15.0	25.4	19.8	70.7	0.0	0.0	0.0	7.0
26	16.2	24.2	19.7	78.7	.5	.1	.6	1.4
27	15.8	24.0	19.2	81.7	0.0	0.0	0.0	1.0
28	15.0	23.7	19.4	75.7	0.0	0.0	0.0	1.4
29	14.6	24.0	18.9	76.7	0.0	0.0	0.0	3.8
30	15.4	24.4	19.5	73.7	0.0	0.0	0.0	4.2
31								
TOTAL PROMEDIO	15.9	24.3	19.6	77.9	7.7	14.9	22.6	



ESTACION: GRANJA TIBACUY

DPTO: CUNDINAMARCA

LATITUD : 04° 22'N

AÑO : 1990

MPIO: TIBACUY

LONGITUD: 74° 26'W

ALTITUD : 1550 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.0	25.4	19.4	73.0	0.0	0.0	0.0	2.7
2	16.5	25.5	19.8	74.7	0.0	.4	.4	5.4
3	16.6	24.5	20.0	76.7	0.0	0.0	0.0	1.6
4	16.5	23.6	19.5	76.7	.2	0.0	.2	1.1
5	16.0	22.2	18.6	79.7	0.0	0.0	0.0	.2
6	15.8	23.5	20.0	71.3	0.0	0.0	0.0	3.7
7	15.6	25.5	20.6	71.0	0.0	0.0	0.0	3.5
8	16.0	26.0	20.8	69.0	0.0	0.0	0.0	5.2
9	15.8	24.2	19.3	82.7	.6	9.0	9.6	4.8
10	16.7	21.4	18.2	80.3	10.7	0.0	10.7	1.5
11	15.6	23.4	19.1	78.3	0.0	1.1	1.1	2.2
12	16.0	24.5	19.5	79.0	0.0	0.0	0.0	2.8
13	14.5	24.3	18.9	76.3	.1	0.0	.1	2.0
14	16.4	23.8	19.5	71.7	0.0	.5	.5	1.7
15	16.0	23.0	19.4	75.0	0.0	0.0	0.0	2.0
16	16.8	22.6	18.5	75.7	3.3	0.0	3.3	2.7
17	15.6	21.6	18.2	83.0	3.4	0.0	3.4	1.3
18	14.6	24.4	19.1	78.0	0.0	1.3	1.3	4.7
19	15.9	22.4	17.9	85.3	.4	0.0	.4	2.7
20	14.0	25.6	19.5	70.3	0.0	0.0	0.0	7.3
21	15.7	22.6	19.1	68.7	.3	.1	.4	2.7
22	15.1	24.4	19.5	71.0	0.0	1.1	1.1	3.8
23	15.6	23.8	19.4	80.7	.3	0.0	.3	5.2
24	14.6	25.0	19.5	74.0	0.0	0.0	0.0	6.9
25	15.2	25.4	19.9	71.7	0.0	0.0	0.0	6.9
26	15.0	24.7	19.3	64.0	0.0	0.0	0.0	6.0
27	14.9	25.5	19.3	70.3	0.0	0.0	0.0	3.6
28	14.6	24.7	19.8	77.3	0.0	0.0	0.0	4.8
29	15.3	25.8	20.5	70.3	0.0	0.0	0.0	5.3
30	14.6	23.5	18.5	85.7	1.4	0.0	1.4	3.0
31	14.1	23.4	18.5	68.0	0.0	0.0	0.0	3.5
TOTAL PROMEDIO	15.5	24.1	19.3	75.1	20.7	13.5	34.2	110.8

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.4	25.0	19.5	63.7	0.0	0.0	0.0	3.8
2	15.5	25.5	20.6	61.3	0.0	0.0	0.0	5.1
3	16.3	24.7	19.4	64.0	0.0	.9	.9	3.1
4	15.3	25.5	20.1	64.3	0.0	0.0	0.0	
5	14.9	24.8	19.6	73.0	0.0	0.0	0.0	
6	15.5	26.7	21.3	67.3	0.0	.5	.5	4.7
7	16.2	24.8	20.0	70.0	0.0	0.0	0.0	3.9
8	15.8	25.0	20.6	70.0	0.0	0.0	0.0	3.1
9	17.3	24.5	19.9	73.7	0.0	0.0	0.0	2.7
10	16.4	22.5	18.8	77.3	0.0	0.0	0.0	.5
11	15.4	24.9	20.0	61.0	0.0	0.0	0.0	2.9
12	14.9	26.0	20.4	59.7	0.0	0.0	0.0	5.6
13	16.7	23.6	18.7	71.3	0.0	0.0	0.0	.8
14	17.2	24.9	20.3	71.3	0.0	0.0	0.0	3.2
15	16.0	24.5	20.1	72.7	.7	0.0	.7	.9
16	17.1	25.0	20.4	74.3	0.0	0.0	0.0	3.4
17	16.5	25.1	21.2	68.0	0.0	0.0	0.0	5.8
18	17.5	27.0	22.1	65.3	0.0	0.0	0.0	4.3
19	15.8	26.0	21.5	67.7	0.0	0.0	0.0	3.3
20	16.6	25.9	21.5	67.7	0.0	0.0	0.0	2.8
21	15.2	26.5	20.9	62.0	0.0	0.0	0.0	7.5
22	12.0	26.0	20.6	61.0	0.0	0.0	0.0	7.4
23	14.3	26.5	20.9	64.0	0.0	0.0	0.0	6.4
24	16.0	24.0	19.4	70.7	0.0	0.0	0.0	.9
25	15.7	26.1	20.5	70.7	0.0	0.0	0.0	4.4
26	17.8	26.5	22.0	69.7	0.0	1.3	1.3	3.8
27	17.3	25.2	20.6	69.7	0.0	0.0	0.0	2.7
28	16.7	23.5	18.9	81.0	1.1	0.0	1.1	1.5
29	15.4	21.0	17.0	88.7	1.7	0.0	1.7	.3
30	15.5	25.7	20.2	63.3	0.0	0.0	0.0	7.2
31	15.7	24.4	19.5	73.0	0.0	0.0	0.0	2.0
TOTAL PROMEDIO	15.9	25.1	20.2	68.9	3.5	2.7	6.2	

ESTACION: GRANJA TIBACUY

DPTO: CUNDINAMARCA

LATITUD : 04° 22'N

AÑO : 1990

MPIO: TIBACUY

LONGITUD: 74° 26'W  
ALTITUD : 1550 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.7	24.6	20.4	68.3	0.0	0.0	0.0	2.4
2	15.2	25.0	19.6	70.7	.1	0.0	.1	3.3
3	15.0	25.4	19.6	70.0	.5	1.1	1.6	4.4
4	14.0	26.5	19.8	68.3	0.0	0.0	0.0	6.6
5	16.2	26.4	21.0	64.0	0.0	0.0	0.0	4.6
6	15.8	26.7	20.9	66.0	0.0	0.0	0.0	5.4
7	16.5	25.0	20.4	66.0	0.0	0.0	0.0	4.1
8	16.0	25.6	20.3	72.0	0.0	4.9	4.9	3.7
9	14.5	23.7	19.6	69.0	0.0	0.0	0.0	3.2
10	16.5	25.4	20.8	68.0	0.0	.4	.4	4.1
11	15.4	24.0	19.7	74.3	0.0	.7	.7	2.7
12	15.8	24.6	19.7	78.0	.4	0.0	.4	3.9
13	15.4	25.0	20.0	72.7	.6	.1	.7	3.2
14	15.0	23.5	19.5	73.7	0.0	0.0	0.0	2.2
15	16.0	25.4	18.8	74.0	0.0	0.0	0.0	
16	14.0	26.0	21.5	57.3	0.0	0.0	0.0	
17	14.4	28.2	21.5	54.3	0.0	0.0	0.0	9.3
18	15.6	28.0	22.9	54.3	0.0	8.2	8.2	8.0
19	16.2	25.2	20.4	71.0	0.0	0.0	0.0	3.2
20	15.5	24.0	20.3	66.0	.2	0.0	.2	3.6
21	15.4	25.4	20.8	66.7	.3	14.5	14.8	5.0
22	15.6	21.7	18.5	82.7	.6	0.0	.6	1.6
23	15.0	23.8	19.7	78.0	0.0	0.0	0.0	3.4
24	15.2	25.1	20.1	61.3	.6	0.0	.6	4.8
25	15.4	26.2	20.9	61.3	.3	0.0	.3	5.5
26	15.6	26.6	21.5	64.0	0.0	0.0	0.0	6.0
27	16.3	25.1	20.4	69.3	0.0	0.0	0.0	4.2
28	17.6	24.0	20.5	68.7	0.0	0.0	0.0	1.7
29	15.5	25.7	20.8	71.0	0.0	0.0	0.0	
30	17.4	25.6	21.5	69.0	0.0	0.0	0.0	
31								
TOTAL PROMEDIO	15.6	25.2	20.4	68.3	3.6	29.9	33.5	

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.8	25.2	19.9	76.7	.2	0.0	.2	4.9
2	16.8	22.2	18.4	86.7	3.9	0.0	3.9	.7
3	15.0	22.6	18.9	78.7	2.5	0.0	2.5	.7
4	15.5	25.6	21.0	66.0	0.0	1.2	1.2	4.9
5	16.4	22.5	19.1	83.7	0.0	10.6	10.6	.1
6	16.0	22.5	18.8	89.3	.1	0.0	.1	
7	15.4	23.8	19.4	76.7	0.0	7.2	7.2	
8	15.5	24.0	17.9	83.3	2.2	0.0	2.2	.8
9	15.0	23.0	19.9	74.7	.2	0.0	.2	3.4
10	16.4	21.7	18.8	78.0	.1	.1	.2	.4
11	16.5	23.2	19.1	83.7	3.7	35.0	38.7	1.9
12	16.0	21.5	18.3	89.0	.1	0.0	.1	1.1
13	15.0	24.0	19.6	78.0	1.1	0.0	1.1	3.9
14	15.4	24.6	19.4	76.0	.4	0.0	.4	4.5
15	15.5	25.3	19.6	72.3	0.0	0.0	0.0	4.4
16	14.5	24.0	20.1	74.0	0.0	.8	.8	4.7
17	16.5	24.6	19.8	75.3	0.0	0.0	0.0	4.4
18	16.4	25.6	20.8	73.3	0.0	42.9	42.9	6.3
19	16.0	23.4	19.8	78.7	0.0	0.0	0.0	6.0
20	17.0	20.6	17.5	94.0	0.0	0.0	0.0	
21	15.8	22.3	18.9	83.3	3.1	0.0	3.1	
22	15.5	20.8	18.3	85.3	0.0	0.0	0.0	.6
23	15.8	23.5	18.9	80.0	0.0	0.0	0.0	3.7
24	16.0	20.0	18.1	84.3	.8	.5	1.3	0.0
25	15.4	24.4	19.5	79.7	0.0	5.0	5.0	5.9
26	15.0	23.5	19.4	76.7	0.0	0.0	0.0	7.1
27	15.4	22.5	19.4	77.3	.2	0.0	.2	
28	15.7	23.9	19.6	79.7	0.0	1.3	1.3	
29	16.4	22.5	17.1	94.0	10.8	0.0	10.8	2.1
30	14.0	22.6	18.8	80.7	.8	13.7	14.5	3.4
31	15.5	22.7	18.5	88.7	27.1	0.0	27.1	3.5
TOTAL PROMEDIO	15.7	23.2	19.1	80.6	57.3	118.3	175.6	

ESTACION: GRANJA TIBACUY

DPTO: CUNDINAMARCA

LATITUD : 04° 22'N

ANO : 1990

MPIO: TIBACUY

LONGITUD : 74° 26'W

ALTITUD : 1550 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.0	22.5	18.0	88.0	1.7	0.0	1.7	3.2
2	14.9	23.0	19.5	82.3	0.0	21.9	21.9	2.5
3	16.8	19.8	17.1	93.0	3.9	2.9	6.8	1.7
4	16.4	21.8	17.6	93.7	0.0	0.0	0.0	1.0
5	15.4	23.1	19.2	85.0	3.7	0.0	3.7	3.2
6	14.6	23.0	19.0	79.0	0.0	0.0	0.0	5.8
7	14.5	24.4	19.8	74.7	0.0	0.0	0.0	5.5
8	16.3	23.2	19.2	85.3	0.0	0.0	0.0	3.0
9	16.2	24.0	20.1	77.0	0.0	0.0	0.0	5.1
10	17.0	21.5	18.3	89.7	0.0	0.0	0.0	3.2
11	13.5	23.8	19.8	70.7	0.0	0.0	0.0	6.8
12	16.5	24.1	19.4	80.3	0.0	0.0	0.0	3.3
13	14.6	25.0	21.7	72.7	0.0	0.0	0.0	3.5
14	16.8	25.6	20.4	74.0	0.0	0.0	0.0	5.3
15	16.5	24.5	19.9	83.0	0.0	0.0	0.0	3.6
16	16.0	24.8	19.3	81.7	0.0	0.0	0.0	4.9
17	15.5	26.5	21.1	66.3	0.0	31.4	31.4	5.7
18	16.8	21.8	18.5	86.3	.5	1.9	2.4	.1
19	16.0	22.0	19.0	88.0	0.0	0.0	0.0	1.3
20	15.6	24.0	19.9	81.7	0.0	0.0	0.0	4.3
21	17.5	21.2	18.5	83.3	8.6	0.0	8.6	.2
22	14.3	23.2	19.2	85.0	.5	.1	.6	2.4
23	15.8	22.6	19.1	86.0	.3	58.6	58.9	2.0
24	15.0	22.4	18.0	91.3	0.0	2.3	2.3	
25	16.4	23.5	18.7	84.3	0.0	.3	.3	
26	15.5	23.8	19.8	82.0	.2	0.0	.2	5.5
27	14.5	23.6	20.0	77.0	0.0	0.0	0.0	6.8
28	15.5	22.6	18.8	83.3	0.0	0.0	0.0	1.5
29	15.4	23.0	19.1	81.3	0.0	11.6	11.6	4.2
30	16.8	22.0	18.9	88.3	.5	0.0	.5	.5
31								
TOTAL PROMEDIO	15.7	23.2	19.2	82.5	19.9	131.0	150.9	

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.0	23.6	19.5	77.0	0.0	.4	.4	5.1
2	17.4	23.4	19.7	79.3	0.0	.2	.2	1.7
3	15.8	19.0	17.5	95.0	3.0	0.0	3.0	.2
4	14.5	21.6	19.3	82.0	0.0	4.2	4.2	2.7
5	15.8	20.8	16.9	90.7	20.4	4.3	24.7	.3
6	14.5	21.2	17.6	88.0	28.2	0.0	28.2	1.6
7	15.0	22.3	18.8	88.3	1.9	3.8	5.7	2.4
8	14.3	21.0	18.3	87.0	.2	.1	.3	1.9
9	14.0	21.6	18.5	84.3	0.0	0.0	0.0	5.0
10	15.8	23.6	19.4	82.3	0.0	.6	.6	7.5
11	16.2	22.7	19.5	91.0	2.2	0.0	2.2	5.2
12	14.2	23.0	18.8	86.0	0.0	0.0	0.0	5.9
13	14.4	24.2	19.2	80.7	0.0	0.0	0.0	6.0
14	17.0	23.4	18.2	89.0	.8	.2	1.0	1.9
15	16.2	23.2	19.0	77.0	0.0	0.0	0.0	
16	15.8	24.4	19.6	80.0	0.0	0.0	0.0	
17	15.0	24.8	19.8	71.0	0.0	0.0	0.0	7.1
18	14.5	24.5	19.1	81.3	0.0	0.0	0.0	7.4
19	15.6	23.6	18.9	80.7	0.0	0.0	0.0	3.0
20	14.4	25.0	20.2	79.3	0.0	0.0	0.0	5.1
21	14.2	25.2	20.2	76.3	0.0	0.0	0.0	8.4
22	14.7	24.0	19.1	76.7	0.0	0.0	0.0	5.2
23	15.0	24.6	19.9	78.7	0.0	0.0	0.0	7.5
24	15.8	22.2	18.8	86.3	0.0	28.6	28.6	.5
25	15.2	21.4	17.9	83.7	.1	0.0	.1	2.1
26	15.0	22.5	18.7	82.7	0.0	0.0	0.0	3.3
27	15.4	22.0	18.6	86.3	0.0	0.0	0.0	1.0
28	14.6	24.0	18.2	87.7	0.0	0.0	0.0	3.3
29	14.0	24.9	19.6	80.3	0.0	0.0	0.0	7.0
30	15.9	24.7	19.8	83.3	20.4	.8	21.2	3.4
31	14.5	21.8	17.5	90.7	2.6	2.8	5.4	3.9
TOTAL PROMEDIO	15.2	23.0	18.9	83.3	79.8	46.0	125.8	

ESTACION: GRANJA TIBACUY  
 AÑO : 1990

DPTO: CUNDINAMARCA  
 MPIO: TIBACUY

LATITUD : 04° 22'N  
 LONGITUD: 74° 26'W  
 ALTITUD : 1550 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	15.5	24.3	19.2	14.5	27.4	79.2	47.6	9	137.9
FEBRERO	16.0	23.2	19.2	14.0	27.1	83.7	212.6	18	92.8
MARZO	16.1	23.5	19.3	14.4	26.0	82.2	132.9	18	101.4
ABRIL	16.1	23.1	19.0	14.9	26.4	84.3	69.3	18	77.9
MAYO	16.2	23.0	19.2	13.8	25.5	83.6	75.9	17	91.4
JUNIO	15.9	24.3	19.6	14.0	26.4	77.9	22.6	14	
JULIO	15.5	24.1	19.3	14.0	26.0	75.1	34.2	15	110.8
AGOSTO	15.9	25.1	20.2	12.0	27.0	68.9	6.2	6	
SEPTIEMBRE	15.6	25.2	20.4	14.0	28.2	68.3	33.5	13	
OCTUBRE	15.7	23.2	19.1	14.0	25.6	80.6	175.6	24	
NOVIEMBRE	15.7	23.2	19.2	13.5	26.5	82.5	150.9	14	
DICIEMBRE	15.2	23.0	18.9	14.0	25.2	83.3	125.8	15	
PROMEDIO	15.8	23.8	19.4			79.1			
ABSOLUTA				12.0	28.2				
TOTAL							1087.1	181	

ESTACION: JORGE VILLAMIL

DPTO. HUILA

LATITUD 02° 20' N

AÑO 1990

MPIO: GIGANTE

LONGITUD 75° 31' W

ALTITUD 1500 m

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.2	19.2	17.6	95.3	0.0	7.6	7.6	1.7
2	15.0	23.2	19.0	87.0	0.0	0.0	0.0	
3	14.5	25.2	19.8	76.7	0.0	0.0	0.0	3.4
4	15.8	25.5	20.2	78.3	0.0	0.0	0.0	7.9
5	16.0	25.0	20.2	76.7	0.0	0.0	0.0	3.2
6	15.0	24.5	19.4	82.0	4.1	2.4	6.5	4.9
7	16.5	21.0	18.6	83.3	5.5	0.0	5.5	4.4
8	16.0	24.5	19.9	84.0	0.0	1.5	1.5	4.6
9	15.8	23.5	19.5	90.7	0.0	.6	.6	2.5
10	16.0	24.5	19.5	83.0	0.0	0.0	0.0	4.8
11	16.5	23.2	18.8	89.0	8.6	0.0	8.6	
12	14.5	22.5	18.9	88.7	1.5	0.0	1.5	
13	14.6	20.5	17.7	93.3	1.5	0.0	1.5	1.1
14	15.8	21.2	18.9	90.0	0.0	0.0	0.0	
15	16.0	21.4	18.6	88.7	3.7	.1	3.8	.4
16	16.5	25.5	21.0	77.0	0.0	0.0	0.0	2.4
17	16.6	26.0	21.0	78.0	0.0	0.0	0.0	5.2
18	16.0	27.8	20.9	72.7	0.0	0.0	0.0	8.7
19	17.0	27.6	22.2	67.3	0.0	.4	.4	4.2
20	16.0	26.8	21.0	75.3	.9	.2	1.1	4.7
21	17.5	24.5	19.3	84.3	2.9	0.0	2.9	1.7
22	16.4	24.2	20.2	78.7	1.2	0.0	1.2	3.0
23	17.5	26.0	20.6	78.0	.2	0.0	.2	2.6
24	18.4	25.6	20.8	75.3	0.0	0.0	0.0	1.4
25	17.5	25.8	21.5	75.3	.1	1.6	1.7	2.1
26	17.4	23.0	19.4	89.3	3.4	3.1	6.5	.3
27	14.8	27.5	20.6	76.0	0.0	0.0	0.0	5.4
28	17.8	24.9	20.7	82.3	0.0	0.0	0.0	1.4
29	18.5	27.5	21.6	77.0	0.0	0.0	0.0	2.5
30	17.4	26.5	21.6	77.3	0.0	0.0	0.0	1.0
31	17.5	26.8	22.2	74.3	0.0	0.0	0.0	3.4
TOTAL PROMEDIO	16.3	24.5	20.0	81.5	33.6	17.5	51.1	

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.2	27.8	22.3	77.7	.4	0.0	.4	4.7
2	17.4	27.3	22.4	76.3	0.0	18.6	18.6	3.4
3	16.5	24.8	20.2	75.7	0.0	0.0	0.0	.7
4	18.0	27.0	21.2	81.7	4.3	3.4	7.7	3.8
5	18.2	23.8	19.8	92.0	16.3	33.3	49.6	.9
6	17.0	23.5	19.5	91.7	3.6	.4	4.0	1.7
7	16.7	23.1	19.0	93.3	0.0	0.0	0.0	.4
8	16.8	27.3	22.2	77.3	0.0	12.4	12.4	5.3
9	17.8	22.5	19.3	89.3	4.6	0.0	4.6	0.0
10	16.9	23.2	19.9	90.3	0.0	0.0	0.0	2.9
11	17.8	24.0	20.9	89.3	0.0	9.0	9.0	.8
12	17.9	20.8	19.3	93.0	4.5	0.0	4.5	0.0
13	16.0	22.6	19.4	89.7	1.7	0.0	1.7	1.0
14	17.0	25.5	21.0	84.7	0.0	.9	.9	2.1
15	18.0	23.4	19.7	91.3	.7	1.6	2.3	.6
16	17.4	24.5	19.9	88.7	5.0	22.0	27.0	4.2
17	17.0	24.3	20.2	88.3	.1	.4	.5	1.6
18	16.5	24.0	19.6	84.0	.2	0.0	.2	.8
19	16.8	20.6	18.7	92.0	3.7	0.0	3.7	.3
20	15.4	21.8	18.0	87.3	3.1	0.0	3.1	.4
21	15.8	24.0	19.4	83.0	1.2	0.0	1.2	1.7
22	17.4	23.8	18.7	86.7	11.1	0.0	11.1	1.5
23	16.0	24.8	20.1	84.7	.1	.1	.2	1.4
24	17.0	25.0	21.0	79.0	0.0	0.0	0.0	6.0
25	16.2	24.5	20.3	76.3	0.0	0.0	0.0	3.6
26	16.8	25.2	20.7	73.3	0.0	0.0	0.0	8.8
27	17.0	23.2	19.1	86.0	0.0	0.0	0.0	1.1
28	15.0	24.8	19.8	81.0	0.0	0.0	0.0	3.9
29								
30								
31								
TOTAL PROMEDIO	16.9	24.2	20.0	85.1	60.6	102.1	162.7	63.1

ESTACION JORGE VILLAMIL DPTO HUILA  
 AÑO 1990 MPIO GIGANTE

LATITUD : 02° 20'N  
 LONGITUD : 75° 31'W  
 ALTITUD : 1500 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.5	24.5	20.6	80.7	0.0	8.8	8.8	1.9
2	16.5	24.2	19.5	83.7	1	0.0	.1	.6
3	17.0	23.4	18.8	87.0	.6	0.0	.6	.1
4	16.5	22.4	19.0	84.0	.2	.1	.3	3.1
5	17.5	23.0	18.9	88.3	4.8	0.0	4.8	.8
6	16.8	26.3	20.9	75.3	0.0	0.0	0.0	3.9
7	17.8	25.4	21.4	73.7	.4	0.0	.4	2.5
8	18.4	26.0	21.2	77.3	.3	.9	1.2	2.4
9	18.0	21.7	19.5	92.7	7.3	3.6	10.9	.5
10	17.4	23.0	19.8	86.7	.2	0.0	.2	.3
11	18.4	21.7	19.4	81.7	5.2	0.0	5.2	0.0
12	17.0	24.9	21.0	74.0	1.9	0.0	1.9	2.7
13	17.8	25.5	21.1	75.3	.2	1.8	2.0	2.2
14	17.5	20.7	18.9	91.7	4.3	.1	4.4	0.0
15	17.0	24.7	21.1	73.3	.2	1.4	1.6	3.4
16	17.4	26.1	21.0	75.0	.1	0.0	.1	1.4
17	17.8	28.4	22.5	69.3	0.0	.2	.2	5.8
18	18.0	23.2	19.9	84.7	2.3	.3	2.6	.5
19	17.5	25.8	21.2	73.7	0.0	0.0	0.0	4.6
20	17.8	27.2	21.0	73.3	0.0	.9	.9	4.1
21	17.4	23.4	20.6	76.0	0.0	0.0	0.0	1.1
22	17.4	24.9	20.9	79.7	.4	0.0	.4	2.7
23	17.2	24.7	20.3	84.0	0.0	0.0	0.0	3.4
24	17.4	26.2	21.0	82.0	.1	3.4	3.5	1.3
25	17.0	22.6	19.2	93.3	6.3	6.0	12.3	.7
26	16.7	22.5	18.7	92.3	.4	0.0	.4	.7
27	17.4	24.5	19.5	79.3	0.0	0.0	0.0	5.0
28	14.5	25.6	20.4	81.0	0.0	0.0	0.0	7.7
29	17.6	28.0	22.8	74.7	0.0	.1	.1	5.9
30	18.2	27.0	21.2	87.3	.5	0.0	.5	2.8
31	18.4	26.0	21.2	84.0	1.4	.1	1.5	2.7
TOTAL PROMEDIO	17.4	24.6	20.4	81.1	37.2	27.7	64.9	74.8

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.4	20.4	17.8	94.3	35.6	0.0	35.6	2.0
2	14.4	26.2	20.8	74.7	0.0	.1	.1	6.8
3	17.5	23.4	20.2	90.7	7.6	0.0	7.6	1.2
4	16.0	24.5	21.1	82.0	0.0	0.0	0.0	3.6
5	17.4	22.6	19.6	90.7	12.8	7.6	20.4	1.1
6	17.5	20.0	18.1	90.7	7.1	0.0	7.1	.9
7	16.5	24.0	20.0	77.0	0.0	0.0	0.0	3.8
8	17.8	25.2	20.6	74.0	0.0	0.0	0.0	5.2
9	16.2	27.0	21.9	68.3	0.0	0.0	0.0	.9
10	18.4	26.6	21.3	78.7	0.0	0.0	0.0	3.8
11	18.3	23.8	20.6	85.7	.4	0.0	.4	5.2
12	18.0	26.2	20.9	74.3	.5	0.0	.5	1.1
13	17.8	26.0	21.8	83.3	.4	2.2	2.6	2.2
14	18.4	25.9	19.3	93.3	16.6	.1	16.7	2.5
15	17.2	27.4	21.0	79.0	.8	0.0	.8	3.2
16	18.2	23.8	19.6	87.7	1.0	0.0	1.0	4.4
17	16.4	24.0	20.4	84.3	0.0	.8	.8	.8
18	17.8	23.2	20.5	86.7	.7	.1	.8	0.0
19	17.5	26.0	20.4	74.7	0.0	4.9	4.9	1.5
20	17.4	24.0	20.4	81.3	.8	0.0	.8	1.9
21	17.0	26.5	20.6	71.7	0.0	0.0	0.0	0.0
22	18.5	24.0	20.5	82.7	1.0	0.0	1.0	0.0
23	16.5	26.2	20.8	80.7	0.0	1.3	1.3	2.5
24	17.5	21.2	19.3	92.7	.8	0.0	.8	4.2
25	17.4	21.0	18.9	86.3	1.8	0.0	1.8	4.9
26	17.5	22.8	19.7	77.0	0.0	0.0	0.0	0.0
27	17.2	26.5	21.4	71.7	.1	0.0	.1	0.0
28	17.9	27.0	21.1	79.7	.2	5.7	5.9	.8
29	17.0	21.5	17.5	89.3	2.7	0.0	2.7	4.5
30	15.8	24.0	20.6	79.7	.1	0.0	.1	1.0
31								2.8
TOTAL PROMEDIO	17.2	24.4	20.2	82.1	91.0	22.8	113.8	

ESTACION: JORGE VILLAMIL

DPTO: HUILA

LATITUD : 02° 20'N

ANO : 1990

MPIO: GIGANTE

LONGITUD: 75° 31'W

ALTITUD : 1500 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	24.5	19.7	79.3	.2	0.0	.2	2.8
2	16.4	25.5	19.5	80.7	19.1	.7	19.8	6.1
3	17.0	21.0	18.5	93.3	.9	0.0	.9	.8
4	16.6	22.2	18.9	85.0	2.8	.5	3.3	1.3
5	17.0	24.2	19.4	87.3	6.2	.9	7.1	1.9
6	16.5	21.4	19.4	89.7	0.0	0.0	0.0	0.0
7	18.0	25.4	21.3	71.3	0.0	.3	.3	3.5
8	18.2	25.5	20.1	85.0	3.5	1.8	5.3	2.4
9	17.5	26.2	21.1	78.0	2.0	.5	2.5	5.0
10	17.0	25.0	21.0	80.3	.2	.3	.5	2.5
11	17.5	24.9	20.5	79.0	0.0	.5	.5	2.3
12	17.8	24.5	20.1	83.3	0.0	0.0	0.0	4.2
13	17.5	25.8	20.7	74.3	.8	2.1	2.9	
14	17.0	24.7	19.4	87.7	5.3	11.6	16.9	5.0
15	17.1	26.3	21.4	77.3	.3	0.0	.3	4.9
16	18.0	25.4	20.6	79.0	1.7	0.0	1.7	1.8
17	17.4	23.7	19.8	81.0	0.0	1.2	1.2	1.4
18	17.0	25.6	20.2	74.7	0.0	0.0	0.0	4.0
19	17.0	21.8	18.8	89.7	11.0	0.0	11.0	.5
20	17.5	22.5	19.0	76.3	0.0	0.0	0.0	.8
21	17.4	23.5	20.2	79.0	.2	1.3	1.5	.7
22	16.8	21.5	18.8	85.0	4.0	1.0	5.0	.3
23	17.2	22.5	18.9	84.3	1.3	0.0	1.3	1.6
24	17.0	23.8	19.8	67.0	0.0	0.0	0.0	3.0
25	16.5	26.6	21.6	67.3	.9	12.4	13.3	4.8
26	16.6	24.5	19.9	82.3	.1	0.0	.1	3.3
27	15.8	24.8	20.3	79.7	0.0	.4	.4	4.9
28	17.0	25.5	20.6	76.7	0.0	0.0	0.0	1.9
29	17.5	24.5	19.7	84.3	.8	5.5	6.3	2.4
30	16.5	24.8	19.8	81.3	.3	0.0	.3	2.6
31	16.4	24.5	20.8	71.3	0.0	.1	.1	2.9
TOTAL PROMEDIO	17.1	24.3	20.0	80.3	61.6	41.1	102.7	

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	25.0	20.2	74.7	.1	0.0	.1	2.6
2	16.0	25.4	20.7	75.7	.4	0.0	.4	4.6
3	16.5	25.8	20.9	71.7	0.0	4.4	4.4	5.4
4	16.6	24.5	20.2	87.3	2.7	0.0	2.7	2.0
5	16.5	25.5	21.4	76.3	0.0	6.4	6.4	3.0
6	16.8	26.5	20.7	69.0	.1	.2	.3	6.1
7	16.0	25.0	21.5	62.0	0.0	.3	.3	3.3
8	17.0	25.2	20.4	75.0	0.0	0.0	0.0	2.7
9	17.8	25.0	20.8	79.0	2.7	3.7	6.4	1.8
10	17.4	22.0	19.1	90.7	14.2	11.4	25.6	.9
11	17.0	21.0	18.6	90.7	2.1	.3	2.4	.1
12	17.1	25.5	20.9	80.0	.4	6.7	7.1	5.4
13	17.0	25.0	20.3	82.0	.2	.4	.6	4.7
14	17.5	26.5	20.7	78.7	0.0	2.0	2.0	4.9
15	17.0	23.0	19.0	88.0	.5	0.0	.5	1.2
16	16.8	21.6	18.4	88.3	5.6	0.0	5.6	.5
17	16.5	22.0	18.8	87.7	2.1	0.0	2.1	2.1
18	16.4	26.2	20.9	70.0	1.1	0.0	1.1	2.1
19	17.5	24.5	19.5	73.7	.1	0.0	.1	4.3
20	16.4	22.6	18.3	91.3	1.2	.1	1.3	4.1
21	16.0	24.2	19.5	75.3	1.3	0.0	1.3	1.2
22	16.5	23.4	17.7	91.0	0.0	0.0	0.0	3.0
23	15.8	25.4	20.2	75.0	1.2	0.0	1.2	4.2
24	16.5	24.8	20.0	74.7	1.4	0.0	1.4	3.1
25	16.4	22.7	18.9	82.7	.4	6.6	7.0	2.7
26	15.5	24.6	19.5	77.3	0.0	0.0	0.0	5.6
27	16.3	24.5	19.8	76.7	24.2	0.0	24.2	.7
28	16.5	21.5	18.1	83.3	0.0	1.5	1.5	3.6
29	16.4	24.8	20.5	73.3	3.4	1.5	4.9	6.7
30	15.4	23.5	19.6	77.7	2.2	0.0	2.2	2.5
31								
TOTAL PROMEDIO	16.6	24.2	19.8	79.3	67.6	45.5	113.1	95.1

ESTACION JORGE WILLAMIT

OPTO HUILA

LATITUD 02 20'N

AÑO 1990

MPIO GIGANTE

LONGITUD 75° 31'W

ALTITUD 1500 m

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.4	24.5	20.1	77.0	0.0	0.0	0.0	3.8
2	16.3	21.0	18.8	82.0	5.3	8.6	13.9	.1
3	16.8	22.5	19.7	82.7	1.7	.7	2.4	2.2
4	16.5	23.2	19.4	85.0	2.8	3.6	6.4	.8
5	16.0	21.6	18.3	88.3	1.0	0.0	1.0	.5
6	16.5	24.5	21.0	71.0	0.0	0.0	0.0	2.6
7	15.4	24.4	20.3	71.7	0.0	0.0	0.0	3.6
8	16.5	26.4	20.9	74.3	0.0	0.0	0.0	2.8
9	17.2	24.8	20.8	84.7	.8	.5	1.3	2.4
10	17.0	24.4	19.6	85.0	3.0	4.5	7.5	2.1
11	16.3	24.1	19.6	79.0	.2	.7	.9	2.0
12	16.0	20.6	17.4	92.3	4.5	0.0	4.5	.1
13	14.5	25.7	19.7	75.0	0.0	0.0	0.0	5.1
14	14.6	26.2	19.1	71.3	0.0	0.0	0.0	4.2
15	15.2	26.0	20.0	74.3	0.0	.1	.1	3.3
16	16.4	25.7	19.8	77.7	1.8	0.0	1.8	3.2
17	16.5	23.1	19.1	82.0	4.7	0.0	4.7	2.6
18	16.6	24.0	20.1	73.7	.2	3.7	3.9	2.2
19	15.7	23.0	18.3	82.3	.2	0.0	.2	3.6
20	15.6	26.1	20.9	66.7	0.0	0.0	0.0	1.8
21	16.0	23.6	20.3	73.7	0.0	0.0	0.0	2.2
22	16.4	23.0	19.3	84.0	8.7	1.0	9.7	3.0
23	16.0	22.0	18.6	88.7	3.0	0.0	3.0	3.2
24	14.0	27.0	19.5	71.7	2.6	0.0	2.6	8.7
25	14.2	26.2	19.1	70.7	0.0	0.0	0.0	8.3
26	12.0	24.6	18.7	66.7	0.0	0.0	0.0	3.1
27	16.4	23.6	18.2	73.7	.3	.5	.8	.6
28	15.0	24.5	18.8	77.0	0.0	0.0	0.0	3.7
29	15.6	23.5	18.3	85.7	.2	.9	1.1	5.8
30	15.0	20.6	17.0	86.0	4.7	0.0	4.7	.5
31	15.2	23.5	18.5	73.7	0.0	0.0	0.0	1.8
TOTAL PROMEDIO	15.7	24.0	19.3	78.3	45.7	24.8	70.5	89.9

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.0	22.0	18.3	73.7	0.0	0.0	0.0	.8
2	14.5	24.0	19.3	72.0	0.0	0.0	0.0	3.2
3	16.5	23.8	19.3	77.3	.5	0.0	.5	5.0
4	15.7	21.2	18.5	90.3	.9	0.0	.9	.5
5	16.4	26.8	20.4	73.0	.6	0.0	.6	4.1
6	15.5	24.6	20.1	76.0	3.7	0.0	3.7	1.7
7	16.0	25.8	20.1	68.7	0.0	0.0	0.0	4.2
8	16.4	24.8	20.7	70.3	0.0	1.4	1.4	2.8
9	16.5	24.9	19.6	78.3	0.0	2.0	2.0	3.0
10	16.0	19.0	17.1	90.3	1.9	0.0	1.9	0.0
11	15.0	25.0	19.3	73.0	0.0	0.0	0.0	3.3
12	14.0	24.9	19.9	64.3	0.0	0.0	0.0	3.6
13	17.4	23.0	19.1	74.7	.3	0.0	.3	.8
14	15.0	25.6	20.0	70.7	0.0	0.0	0.0	2.8
15	15.8	27.0	20.9	68.0	1.7	0.0	1.7	6.3
16	17.4	26.0	20.8	71.3	.2	0.0	.2	1.8
17	15.8	27.4	21.2	66.7	0.0	0.0	0.0	5.6
18	17.5	26.4	21.7	71.7	.8	.3	1.1	3.2
19	16.0	26.2	21.5	67.3	0.0	0.0	0.0	3.8
20	17.5	25.4	20.3	70.0	1.8	.1	1.9	.6
21	16.8	24.5	19.6	77.7	0.0	.6	.6	2.6
22	15.5	23.0	18.9	85.0	1.3	1.5	2.8	.0
23	16.0	21.2	17.3	93.0	0.0	0.0	0.0	.0
24	15.0	26.5	21.5	57.0	0.0	0.0	0.0	8.0
25	14.5	26.4	19.9	71.7	0.0	0.0	0.0	1.6
26	15.0	27.8	22.0	61.3	0.0	0.0	0.0	.0
27	17.0	26.9	22.1	67.0	0.0	0.0	0.0	.0
28	16.4	25.7	20.8	75.0	.1	8.3	8.4	1.8
29	16.5	23.6	19.6	77.7	.1	.2	.3	.3
30	16.4	27.6	22.1	67.7	0.0	0.0	0.0	6.5
31	16.5	25.5	20.2	74.7	.8	0.0	.8	4.2
TOTAL PROMEDIO	16.0	24.9	20.1	73.4	14.7	14.4	29.1	



ESTACION: JORGE VILLAMIL

DPTO: HUILA

LATITUD : 02° 20'N

AÑO : 1990

MPIO: GIGANTE

LONGITUD: 75° 31'W  
ALTITUD : 1500 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.4	26.5	20.4	78.0	1.1	1.8	2.9	5.4
2	16.2	27.5	21.0	67.3	0.0	7.0	7.0	3.8
3	17.5	24.4	20.5	71.3	0.0	1.4	1.4	.9
4	16.0	25.8	20.2	71.3	1.0	1.1	2.1	4.0
5	15.5	26.2	20.8	69.7	0.0	0.0	0.0	5.9
6	16.0	26.0	19.8	74.3	2.2	0.0	2.2	4.1
7	15.8	26.8	19.3	81.0	2.9	0.0	2.9	3.9
8	16.2	25.8	20.5	72.0	.1	0.0	.1	2.7
9	16.4	25.5	20.1	77.0	0.0	2.0	2.0	3.7
10	16.8	27.2	21.5	68.3	.3	0.0	.3	5.5
11	17.4	27.4	22.6	68.7	0.0	.7	.7	
12	17.6	28.2	20.0	77.3	0.0	2.4	2.4	
13	16.4	28.3	20.4	71.3	1.5	2.6	4.1	7.1
14	16.0	24.2	19.3	79.3	0.0	17.2	17.2	5.1
15	15.3	23.4	18.6	81.7	0.0	0.0	0.0	2.6
16	16.5	27.2	20.6	64.3	0.0	0.0	0.0	2.2
17	14.8	26.5	21.4	62.3	0.0	0.0	0.0	3.6
18	15.3	27.8	22.2	64.7	0.0	0.0	0.0	6.5
19	17.2	25.5	20.0	75.3	1.8	0.0	1.8	6.1
20	15.8	27.5	21.3	66.7	0.0	0.0	0.0	1.5
21	16.5	27.4	20.9	69.3	0.0	0.0	0.0	5.1
22	15.8	24.0	19.6	81.0	1.1	0.0	1.1	3.6
23	17.0	26.6	21.2	75.3	0.0	1.5	1.5	1.9
24	16.8	28.5	21.3	70.7	0.0	0.0	0.0	5.8
25	16.6	25.5	20.8	72.3	0.0	0.0	0.0	6.4
26	15.8	27.4	20.0	77.0	.9	0.0	.9	2.5
27	15.0	27.0	20.4	72.7	.6	0.0	.6	5.8
28	16.5	27.2	21.6	69.0	0.0	0.0	0.0	2.3
29	17.0	27.5	21.5	68.7	0.0	4.8	4.8	2.6
30	16.5	28.0	22.0	68.7	0.0	0.0	0.0	2.4
31								
TOTAL PROMEDIO	16.3	26.6	20.6	72.2	13.5	42.5	56.0	

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	24.5	19.5	80.7	4.1	0.0	4.1	2.2
2	16.8	23.7	20.1	81.7	.3	0.0	.3	.8
3	16.0	23.6	20.2	72.7	1.9	0.0	1.9	2.6
4	16.7	28.0	23.1	64.7	0.0	.1	.1	5.0
5	17.0	25.5	20.3	84.0	2.5	0.0	2.5	2.6
6	16.8	25.2	20.5	79.7	1.6	3.3	4.9	4.1
7	17.0	23.7	20.4	82.7	3.3	.7	4.0	1.7
8	17.2	26.4	20.2	82.7	1.9	.5	2.4	5.0
9	16.0	26.6	20.7	76.0	3.1	0.0	3.1	2.9
10	17.0	20.5	18.5	91.3	17.5	0.0	17.5	.2
11	16.0	22.5	19.3	81.3	5.8	0.0	5.8	.7
12	16.8	22.4	19.4	88.0	1.4	0.0	1.4	1.9
13	17.4	24.5	20.7	79.7	1.8	0.0	1.8	1.1
14	17.0	26.2	19.4	77.7	0.0	18.0	18.0	3.0
15	16.4	26.5	21.2	73.3	0.0	0.0	0.0	5.2
16	16.6	22.0	19.0	92.7	4.7	0.0	4.7	2.7
17	16.5	25.5	21.1	76.0	0.0	1.6	1.6	2.3
18	16.4	26.5	20.7	82.7	.2	8.7	8.9	2.9
19	16.8	23.6	19.7	83.0	1.7	0.0	1.7	1.4
20	17.8	23.2	19.6	84.7	6.2	1.6	7.8	.5
21	17.0	25.8	21.3	72.7	0.0	8.5	8.5	3.6
22	16.8	25.6	19.6	81.0	.2	.7	.9	1.5
23	17.2	24.8	19.6	82.3	.8	1.2	2.0	2.7
24	17.0	25.7	19.4	88.0	21.7	4.6	26.3	.6
25	15.8	26.0	20.8	72.7	0.0	0.0	0.0	3.3
26	16.8	26.7	21.5	68.3	0.0	0.0	0.0	5.2
27	17.0	25.1	20.0	80.3	9.7	4.4	14.1	
28	17.4	26.0	20.5	76.7	.5	0.0	.5	
29	17.0	24.2	18.7	90.3	0.0	0.0	0.0	1.7
30	16.0	23.4	19.7	82.3	0.0	.8	.8	2.5
31	17.0	21.4	19.2	94.0	1.4	0.0	1.4	.8
TOTAL PROMEDIO	16.8	24.7	20.1	80.8	92.3	54.7	147.0	

ESTACION JORGE VILLAMIL DPTO HUILA  
 AÑO 1990 MPIO GIGANTE

LATITUD 02° 20'N  
 LONGITUD 75° 31'W  
 ALTITUD 1500 m

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.6	23.2	18.6	91.7	2.7	2.1	4.8	
2	16.5	21.8	18.6	92.0	18.6	0.0	18.6	2
3	16.0	21.2	18.3	92.3	49.4	5.6	55.0	2.4
4	15.7	23.0	19.1	88.0	.1	0.0	.1	.2
5	16.5	21.8	19.0	85.0	1.3	0.0	1.3	2.9
6	16.0	26.2	20.4	81.0	.9	0.0	.9	2.8
7	16.5	27.2	21.9	59.7	0.0	0.0	0.0	7.5
8	17.8	25.5	21.1	73.3	0.0	0.0	0.0	2.3
9	18.0	26.6	20.5	80.7	4.0	0.0	4.0	3.3
10	17.5	24.2	18.5	75.7	.7	0.0	.7	2.4
11	15.8	26.4	20.5	67.0	0.0	0.0	0.0	4.5
12	17.8	26.5	21.2	66.7	0.0	0.0	0.0	1.8
13	17.0	27.2	23.2	62.0	0.0	0.0	0.0	5.2
14	17.5	27.5	21.7	71.0	.2	0.0	.2	2.6
15	17.4	26.2	20.7	80.3	.3	1.9	2.2	2.1
16	17.0	24.6	19.9	72.3	0.0	0.0	0.0	1.1
17	18.4	28.2	22.3	67.3	0.0	0.0	0.0	2.5
18	18.2	22.6	19.5	88.3	2.8	0.0	2.8	1.1
19	16.0	23.4	19.1	88.0	.9	.4	1.3	1.8
20	17.2	23.0	20.1	75.3	.2	0.0	.2	1.9
21	16.5	27.0	21.7	68.0	0.0	0.0	0.0	3.2
22	16.6	26.0	20.3	83.3	0.0	2.2	2.2	4.1
23	16.5	21.8	18.8	91.7	7.1	16.0	23.1	3.1
24	17.0	22.0	19.5	88.7	.4	.2	.6	.6
25	16.9	25.5	20.5	81.3	4.4	6.1	10.5	
26	16.8	25.2	21.0	82.0	0.0	.8	.8	5.0
27	17.2	27.0	20.8	80.0	9.5	.3	9.8	2.9
28	16.2	26.1	20.8	71.3	.2	0.0	.2	4.1
29	16.5	25.5	20.6	78.0	1.0	.2	1.2	4.6
30	17.0	21.8	19.4	90.7	4.2	0.0	4.2	1.0
31								
TOTAL PROMEDIO	16.9	24.8	20.2	79.1	108.9	35.8	144.7	

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.6	25.7	20.6	82.3	0.0	0.0	0.0	.8
2	17.5	23.6	21.0	79.0	28.0	53.0	81.0	4.6
3	16.4	21.0	18.5	90.3	0.0	0.0	0.0	0.0
4	16.2	24.2	19.9	92.7	0.0	4.0	4.0	4.5
5	17.2	21.5	18.5	92.3	9.2	3.9	13.1	.2
6	15.8	21.7	18.2	87.0	0.0	0.0	0.0	.6
7	16.6	22.0	18.5	89.7	.1	0.0	.1	.5
8	16.4	21.9	18.5	86.7	0.0	0.0	0.0	.9
9	15.7	23.5	19.8	85.3	0.0	0.0	0.0	4.0
10	17.4	25.0	20.4	81.3	.2	0.0	.2	8.1
11	17.0	25.2	20.2	81.3	0.0	1.4	1.4	7.1
12	16.5	25.1	20.1	81.3	.4	0.0	.4	5.8
13	16.2	25.5	21.3	64.3	0.0	0.0	0.0	2.9
14	17.8	26.5	21.4	65.7	.2	0.0	.2	3.8
15	18.2	24.4	21.1	75.7	1.6	0.0	1.6	4.4
16	17.2	26.4	21.7	70.3	0.0	.4	.4	6.0
17	15.8	26.5	21.3	73.0	0.0	0.0	0.0	2.9
18	16.5	23.8	19.9	76.3	.7	0.0	.7	3.3
19	17.5	25.6	20.5	73.3	2.6	0.0	2.6	2.6
20	17.6	24.6	20.7	78.0	1.0	0.0	1.0	.7
21	17.8	28.1	21.9	69.0	0.0	.6	.6	4.6
22	17.5	23.5	20.0	82.3	9.7	0.0	9.7	.9
23	16.5	25.0	20.0	82.7	1.0	0.0	1.0	1.9
24	18.0	22.4	18.5	85.3	8.4	0.0	8.4	.3
25	17.6	23.0	20.5	81.3	0.0	1.0	1.0	3.0
26	17.4	23.4	19.3	81.0	8.1	0.0	8.1	2.2
27	17.5	24.2	20.5	73.7	0.0	0.0	0.0	1.2
28	17.2	25.8	19.5	83.7	9.1	0.0	9.1	1.7
29	15.8	25.4	20.4	77.3	0.0	11.0	11.0	5.4
30	16.8	24.1	19.7	86.7	0.0	2.9	2.9	2.6
31	17.1	21.8	18.5	88.7	1.3	0.0	1.3	.3
TOTAL PROMEDIO	17.0	24.2	20.0	80.6	81.6	78.2	159.8	84.8

ESTACION: JORGE VILLAMIL  
 AÑO : 1990

DPTO: HUILA  
 MPIO: GIGANTE

LATITUD : 02° 20'N  
 LONGITUD: 75° 31'W  
 ALTITUD : 1500 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	16.3	24.5	20.0	14.5	27.8	81.5	51.1	16	
FEBRERO	16.9	24.2	20.0	15.0	27.8	85.1	162.7	20	63.6
MARZO	17.4	24.6	20.4	14.5	28.4	81.1	64.9	25	74.8
ABRIL	17.2	24.4	20.2	14.4	27.4	82.1	113.8	23	
MAYO	17.1	24.3	20.0	15.8	26.6	80.3	102.7	25	
JUNIO	16.6	24.2	19.8	15.4	26.5	79.3	113.1	27	95.1
JULIO	15.7	24.0	19.3	12.0	27.0	78.3	70.5	19	89.9
AGOSTO	16.0	24.9	20.1	14.0	27.8	73.4	29.1	17	
SEPTIEMBRE	16.3	26.6	20.6	14.8	28.5	72.2	56.0	19	
OCTUBRE	16.8	24.7	20.1	15.8	28.0	80.8	147.0	27	
NOVIEMBRE	16.9	24.8	20.2	15.6	28.2	79.1	144.7	22	
DICIEMBRE	17.0	24.2	20.0	15.7	28.1	80.6	159.8	23	84.8
PROMEDIO	16.7	24.6	20.1			79.4			
ABSOLUTA				12.0	28.5				
TOTAL							1215.4	263	

ESTACION: OSPINA PEREZ

DPTO: NARINO

LATITUD : 01° 15'N

AÑO : 1990

MPIO: CONSACA

LONGITUD: 77° 29'W

ALTITUD : 1700 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.0	21.0	18.0	91.7	0.0	2.0	2.0	.1
2	15.2	24.4	18.7	85.7	0.0	0.0	0.0	4.8
3	13.5	26.4	18.9	80.3	0.0	0.0	0.0	9.0
4	14.0	25.9	19.7	80.0	0.0	0.0	0.0	8.9
5	15.0	26.5	19.4	79.3	0.0	0.0	0.0	7.4
6	14.4	26.4	19.7	77.3	0.0	0.0	0.0	8.7
7	16.5	26.0	19.6	83.7	0.0	4.8	4.8	2.7
8	16.4	23.0	18.3	88.7	1.6	5.9	7.5	1.1
9	14.7	24.0	18.3	85.3	1.6	0.0	1.6	2.1
10	16.2	24.5	19.5	82.7	.8	3.6	4.4	2.4
11	16.0	23.5	18.8	87.0	.2	5.2	5.4	.7
12	15.4	20.0	17.5	90.3	16.6	.7	17.3	
13	15.5	23.2	19.1	83.0	0.0	2.8	2.8	3.8
14	15.4	22.0	18.5	85.7	.7	.2	.9	.6
15	16.5	22.1	18.5	88.3	0.0	0.0	0.0	.3
16	15.5	23.5	18.8	86.0	0.0	0.0	0.0	3.3
17	16.2	26.0	20.1	80.0	0.0	0.0	0.0	7.3
18	14.5	26.8	20.2	77.7	0.0	0.0	0.0	8.9
19	14.0	25.5	19.6	77.7	0.0	.3	.3	7.1
20	15.5	25.2	19.4	82.7	0.0	0.0	0.0	4.5
21	15.0	22.9	18.5	87.0	0.0	0.0	0.0	1.8
22	16.4	26.0	20.3	79.7	0.0	0.0	0.0	6.0
23	16.3	28.6	21.4	73.0	0.0	0.0	0.0	6.4
24	16.5	30.6	22.1	65.0	0.0	0.0	0.0	6.9
25	18.0	28.9	23.1	52.0	0.0	0.0	0.0	6.7
26	16.0	24.5	19.3	87.7	0.0	0.0	0.0	1.7
27	17.0	26.6	22.5	57.3	0.0	0.0	0.0	3.2
28	16.8	27.0	21.1	72.0	0.0	0.0	0.0	1.9
29	17.0	26.4	20.3	88.0	.1	0.0	.1	3.6
30	17.2	24.0	20.0	83.7	0.0	0.0	0.0	.9
31	16.5	27.2	21.3	76.3	0.0	0.0	0.0	5.5
TOTAL PROMEDIO	15.7	25.1	19.7	80.5	21.6	25.5	47.1	

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	27.8	21.0	78.0	.1	1.7	1.8	4.1
2	15.5	26.0	19.3	81.3	.3	.2	.5	2.9
3	16.0	23.0	19.2	82.3	.1	0.0	.1	.4
4	16.5	27.2	20.4	81.3	4.2	.7	4.9	5.0
5	17.0	23.5	18.8	89.0	.8	13.0	13.8	1.1
6	16.0	24.5	19.4	84.3	0.0	0.0	0.0	.3
7	15.5	29.0	21.7	74.0	0.0	0.0	0.0	8.6
8	17.4	28.2	21.6	74.0	0.0	0.0	0.0	5.7
9	16.0	26.0	20.5	72.0	0.0	.9	.9	2.4
10	16.8	27.9	20.6	80.7	0.0	9.0	9.0	7.5
11	16.7	18.5	17.6	94.7	.4	.1	.5	0.0
12	16.0	25.5	19.9	78.7	.2	0.0	.2	3.7
13	17.0	22.0	18.7	88.0	0.0	.7	.7	.9
14	15.0	26.5	19.6	78.7	0.0	4.8	4.8	6.8
15	16.2	26.6	20.1	83.3	0.0	.2	.2	5.8
16	16.5	26.7	20.0	79.3	1.6	6.5	8.1	6.2
17	16.4	23.4	18.7	89.0	2.6	25.8	28.4	1.7
18	16.0	20.8	17.3	93.7	5.8	1.1	6.9	.1
19	16.1	25.2	18.3	82.0	4.8	20.7	25.5	4.1
20	15.0	25.0	19.8	80.0	.1	1.0	1.1	7.4
21	16.5	24.5	19.7	80.7	.1	0.0	.1	3.9
22	15.0	21.0	17.5	91.3	0.0	.7	.7	.2
23	15.5	24.5	19.1	84.7	0.0	0.0	0.0	1.2
24	16.0	22.0	17.9	91.3	1.9	1.8	3.7	.3
25	15.6	25.0	18.9	83.3	.4	4.2	4.6	6.1
26	16.0	24.5	18.9	86.7	.1	1.1	1.2	5.4
27	15.0	25.4	19.7	79.3	0.0	14.9	14.9	7.9
28	16.2	21.2	17.6	93.7	1.5	.4	1.9	.9
29								
30								
31								
TOTAL PROMEDIO	16.1	24.7	19.3	83.4	25.0	109.5	134.5	100.6

ESTACION: OSPINA PEREZ

DPTO: NARINO

LATITUD : 01° 15'N

ANO : 1990

MPIO: CONSACA

LONGITUD: 77° 29'W

ALTITUD : 1700 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.5	24.7	18.6	80.7	0.0	0.0	0.0	2.6
2	15.5	22.4	19.0	84.7	1.0	41.8	42.8	1.0
3	15.4	21.0	17.4	88.3	2.7	.3	3.0	1.1
4	15.5	23.0	18.8	84.3	2.7	0.0	2.7	1.4
5	14.5	24.5	19.0	81.7	2.3	0.0	2.3	5.8
6	15.0	26.9	19.8	78.3	0.0	.2	.2	6.1
7	16.7	23.8	19.1	87.3	0.0	0.0	0.0	1.1
8	16.8	24.8	20.0	85.3	0.0	0.0	0.0	2.4
9	16.9	28.8	21.2	65.0	.1	0.0	.1	5.4
10	16.5	27.6	22.1	67.0	0.0	1.4	1.4	4.2
11	17.0	26.7	20.2	86.3	0.0	.1	.1	1.7
12	16.0	28.5	21.0	65.3	0.0	0.0	0.0	5.4
13	18.5	30.0	23.7	48.7	0.0	0.0	0.0	5.0
14	15.5	25.6	20.0	79.0	.2	0.0	.2	1.6
15	16.0	26.0	21.0	70.3	0.0	0.0	0.0	5.8
16	16.2	26.5	21.2	76.3	0.0	0.0	0.0	2.2
17	17.0	27.5	20.6	83.0	.2	.1	.3	5.3
18	17.1	24.0	19.3	88.3	3.9	16.7	20.6	1.1
19	16.8	26.6	20.6	82.3	0.0	0.0	0.0	6.3
20	17.0	24.0	20.2	84.0	.3	0.0	.3	1.3
21	17.5	25.4	20.3	83.3	0.0	.2	.2	2.1
22	16.7	25.5	20.6	83.0	0.0	0.0	0.0	3.2
23	16.5	25.7	20.3	83.3	1.7	9.6	11.3	5.9
24	17.0	25.4	20.3	82.0	0.0	.9	.9	4.0
25	16.8	21.0	18.4	94.0	3.6	2.7	6.3	.1
26	17.0	23.5	18.9	88.0	1.7	3.4	5.1	1.2
27	15.5	25.5	19.8	86.0	.9	1.7	2.6	2.8
28	15.4	26.6	19.9	81.3	0.0	0.0	0.0	6.1
29	14.0	29.2	20.8	74.3	0.0	0.0	0.0	9.5
30	15.5	26.0	19.5	82.3	0.0	0.0	0.0	4.4
31	17.0	25.0	19.8	86.3	0.0	28.3	28.3	3.4
TOTAL PROMEDIO	16.2	25.5	20.0	80.3	21.3	107.4	128.7	109.5

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	20.0	17.7	91.7	6.3	0.0	6.3	.5
2	14.8	25.5	19.7	81.7	0.0	3.2	3.2	5.6
3	16.0	25.2	19.3	83.3	.2	2.9	3.1	5.0
4	16.4	25.1	19.2	91.0	3.3	.8	4.1	4.3
5	15.5	24.2	19.1	84.0	4.6	6.2	10.8	.8
6	16.8	22.5	19.5	89.0	0.0	0.0	0.0	1.2
7	15.5	26.2	19.8	80.3	0.0	0.0	0.0	4.1
8	17.0	25.0	19.6	87.3	0.0	0.0	0.0	2.7
9	15.5	27.5	21.8	56.0	0.0	0.0	0.0	5.6
10	17.0	24.6	20.0	85.7	0.0	0.0	0.0	3.5
11	16.4	24.5	20.2	84.0	0.0	.1	.1	2.2
12	16.5	24.3	20.1	84.0	.4	0.0	.4	1.7
13	16.4	26.8	20.2	84.0	0.0	0.0	0.0	4.5
14	17.0	26.2	19.1	88.7	1.1	22.0	23.1	1.4
15	16.0	25.0	19.7	82.0	1.6	8.9	10.5	1.9
16	15.9	26.5	21.0	72.3	0.0	4.5	4.5	6.6
17	16.7	27.5	21.5	79.3	1.0	0.0	1.0	5.8
18	16.5	26.0	21.2	80.3	0.0	18.3	18.3	4.9
19	16.8	25.5	19.7	87.0	.6	0.0	.6	2.7
20	16.5	24.5	19.9	83.3	1.3	20.1	21.4	1.6
21	17.0	22.0	18.9	91.0	8.9	0.0	8.9	.5
22	16.0	22.1	18.7	92.7	3.6	0.0	3.6	.3
23	16.4	24.2	19.4	85.3	.9	28.4	29.3	1.4
24	16.8	23.2	19.0	89.7	13.8	0.0	13.8	.6
25	16.0	21.5	18.5	90.0	6.7	0.0	6.7	.1
26	15.5	24.0	19.7	84.3	0.0	0.0	0.0	3.1
27	16.0	23.5	18.8	89.0	0.0	22.4	22.4	1.6
28	15.0	24.0	18.6	83.3	1.6	2.1	3.7	3.8
29	16.4	23.0	18.5	92.7	0.0	0.0	0.0	.7
30	17.0	24.0	19.1	89.3	.6	37.6	38.2	3.2
31								
TOTAL PROMEDIO	16.2	24.5	19.6	84.7	56.5	177.5	234.0	81.9

ESTACION: OSPINA PEREZ

DPTO: NARINO

LATITUD : 01° 15'N

ANO : 1990

MPIO: CONSACA

LONGITUD: 77° 29'W  
ALTITUD : 1700 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.5	24.0	19.0	82.0	0.0	0.0	0.0	.8
2	16.0	25.5	19.2	86.0	0.0	17.6	17.6	3.2
3	16.4	22.5	18.8	88.0	1.2	2.2	3.4	.6
4	16.0	22.8	18.6	87.3	.8	5.3	6.1	3.0
5	16.1	22.2	18.9	88.7	10.5	.6	11.1	1.2
6	16.4	22.0	18.2	93.0	0.0	0.0	0.0	0.0
7	15.6	24.5	19.9	78.0	0.0	0.0	0.0	3.4
8	17.4	25.2	19.1	91.3	3.0	9.0	12.0	2.3
9	17.2	23.5	19.3	88.3	3.0	.4	3.4	1.6
10	16.0	24.5	18.8	87.0	6.2	1.3	7.5	2.2
11	16.5	23.5	19.6	88.3	2.2	.3	2.5	1.0
12	16.0	25.0	19.3	86.0	4.0	.3	4.3	4.8
13	16.4	23.0	18.8	89.3	2.6	.3	2.9	0.0
14	17.0	24.0	19.0	89.0	0.0	0.0	0.0	2.3
15	14.7	28.0	20.2	80.7	0.0	0.0	0.0	8.3
16	15.5	27.0	19.8	81.3	0.0	0.0	0.0	3.3
17	16.4	24.5	20.2	76.3	0.0	0.0	0.0	3.0
18	16.5	26.0	20.8	78.0	0.0	0.0	0.0	6.1
19	16.4	27.5	21.3	79.7	0.0	0.0	0.0	7.0
20	16.0	27.0	21.5	64.7	0.0	0.0	0.0	4.8
21	17.4	26.8	21.5	67.0	0.0	0.0	0.0	2.1
22	16.5	25.5	20.3	81.7	.1	0.0	.1	3.3
23	16.4	24.8	20.5	74.7	0.0	0.0	0.0	2.0
24	19.4	27.0	22.0	57.3	0.0	0.0	0.0	2.2
25	16.5	24.6	19.9	80.3	0.0	0.0	0.0	2.1
26	17.0	24.5	19.9	84.7	1.1	0.0	1.1	3.8
27	15.0	25.6	20.0	79.0	0.0	0.0	0.0	2.8
28	14.0	24.5	19.7	75.0	0.0	0.0	0.0	3.4
29	15.0	25.5	19.1	78.7	1.0	1.8	2.8	4.3
30	15.4	26.0	19.5	83.3	3.4	0.0	3.4	2.5
31	16.0	24.2	19.2	86.0	9.3	0.0	9.3	1.9
TOTAL PROMEDIO	16.2	24.9	19.7	81.6	48.4	39.1	87.5	89.3

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.0	23.5	18.7	88.0	0.0	0.0	0.0	2.0
2	15.5	24.5	19.4	81.0	0.0	0.0	0.0	1.0
3	16.5	25.8	20.1	81.0	0.0	0.0	0.0	2.1
4	15.8	23.0	18.3	92.3	1.8	.1	1.9	.9
5	16.5	27.4	20.7	83.3	0.0	0.0	0.0	6.8
6	15.5	29.5	23.0	51.7	0.0	0.0	0.0	7.1
7	17.8	30.0	23.3	55.0	0.0	0.0	0.0	6.8
8	17.0	28.0	20.8	70.0	0.0	0.0	0.0	6.2
9	16.0	23.5	18.8	87.3	4.6	15.3	19.9	.7
10	16.5	20.6	18.5	91.3	11.5	5.9	17.4	.3
11	16.0	23.0	18.7	88.0	2.1	0.0	2.1	1.2
12	15.5	27.5	19.7	84.7	0.0	0.0	0.0	2.2
13	16.5	24.5	19.8	83.3	0.0	.8	.8	3.4
14	16.4	23.5	19.1	84.7	4.0	.7	4.7	1.0
15	16.5	27.0	20.4	80.0	.1	.3	.4	2.7
16	16.0	25.4	20.2	78.7	0.0	0.0	0.0	3.1
17	16.2	26.0	21.0	73.3	0.0	0.0	0.0	6.2
18	15.0	26.8	20.6	74.3	0.0	0.0	0.0	3.5
19	16.4	28.4	22.6	53.3	0.0	0.0	0.0	6.0
20	17.4	28.5	22.7	55.3	0.0	0.0	0.0	4.6
21	18.5	28.0	23.5	43.0	0.0	0.0	0.0	6.1
22	16.5	28.4	21.3	73.0	0.0	0.0	0.0	3.9
23	15.4	25.8	20.1	73.0	0.0	0.0	0.0	3.7
24	15.8	24.0	19.3	83.7	.3	0.0	.3	1.2
25	16.4	28.3	21.4	59.7	0.0	0.0	0.0	2.8
26	15.5	27.5	20.5	65.7	0.0	0.0	0.0	2.9
27	15.0	25.5	19.6	81.0	0.0	0.0	0.0	3.0
28	15.5	29.2	22.0	54.7	0.0	0.0	0.0	6.2
29	16.8	28.5	22.5	50.0	0.0	0.0	0.0	3.2
30	17.5	28.0	21.9	56.3	0.0	0.0	0.0	2.5
31								
TOTAL PROMEDIO	16.2	26.3	20.6	72.6	24.4	23.1	47.5	103.3

ESTACION: OSPINA PEREZ

DPTO: NARINO

LATITUD : 01° 15'N

ANO : 1990

MPIO: CONSACA

LONGITUD: 77° 29'W

ALTITUD : 1700 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	27.5	20.9	72.7	0.0	0.0	0.0	4.2
2	14.5	25.6	19.9	73.0	.1	0.0	.1	1.6
3	16.3	24.3	19.2	85.3	2.7	0.0	2.7	.7
4	16.0	24.5	19.6	79.3	0.0	1.7	1.7	1.8
5	15.4	23.0	19.2	82.7	0.0	0.0	0.0	1.8
6	15.2	27.0	20.4	66.0	0.0	0.0	0.0	4.2
7	14.1	24.6	19.6	76.0	.1	0.0	.1	3.6
8	14.0	26.0	20.0	75.7	.4	17.8	18.2	3.0
9	15.0	23.5	18.5	82.0	.1	.1	.2	4.0
10	16.0	23.0	19.0	81.3	3.1	4.2	7.3	.7
11	15.5	25.0	19.2	88.7	0.0	2.9	2.9	3.0
12	15.6	21.6	19.2	62.7	.2	0.0	.2	.3
13	14.5	26.0	20.0	68.0	0.0	0.0	0.0	2.6
14	13.5	26.5	20.0	66.7	0.0	0.0	0.0	7.8
15	13.0	25.0	19.0	75.3	.3	0.0	.3	4.9
16	16.3	25.5	19.6	82.0	0.0	0.0	0.0	4.2
17	13.2	25.2	19.3	73.3	0.0	0.0	0.0	3.0
18	12.6	24.0	18.5	72.3	0.0	0.0	0.0	2.7
19	13.2	28.5	20.2	71.7	0.0	0.0	0.0	8.0
20	14.5	25.6	19.8	68.3	0.0	0.0	0.0	4.8
21	14.0	27.0	20.2	66.3	0.0	0.0	0.0	4.2
22	16.6	28.6	21.8	57.0	0.0	.8	.8	5.3
23	15.4	25.0	19.3	78.7	0.0	0.0	0.0	3.7
24	13.4	28.5	21.3	50.7	0.0	0.0	0.0	8.3
25	14.5	29.0	21.7	43.0	0.0	0.0	0.0	8.8
26	15.5	28.5	21.7	38.3	0.0	0.0	0.0	8.9
27	16.0	27.8	21.9	36.0	0.0	1.0	1.0	8.4
28	14.0	27.2	21.2	58.0	0.0	0.0	0.0	6.4
29	16.0	27.0	21.9	54.0	0.0	0.0	0.0	4.3
30	16.1	26.8	21.5	43.3	0.0	0.0	0.0	9.1
31	18.5	28.0	22.6	36.3	0.0	0.0	0.0	10.4
TOTAL PROMEDIO	15.0	26.0	20.2	66.6	7.0	28.5	35.5	144.7

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.6	28.0	22.0	42.0	0.0	0.0	0.0	7.4
2	18.0	27.0	22.3	43.7	0.0	0.0	0.0	5.2
3	15.0	28.5	21.8	51.7	0.0	0.0	0.0	4.9
4	17.2	27.6	22.1	53.3	0.0	0.0	0.0	2.4
5	15.5	27.2	21.9	51.7	0.0	0.0	0.0	3.8
6	15.2	30.0	22.1	52.0	0.0	0.0	0.0	8.6
7	16.2	27.0	22.6	42.7	0.0	0.0	0.0	9.0
8	14.5	28.5	20.5	70.7	0.0	0.0	0.0	5.6
9	15.5	27.5	22.0	58.3	0.0	0.0	0.0	3.3
10	15.4	28.2	21.9	55.7	0.0	0.0	0.0	3.9
11	15.0	24.6	20.4	48.0	0.0	0.0	0.0	9.1
12	17.2	27.0	20.9	41.3	0.0	0.0	0.0	5.8
13	16.0	26.0	20.3	58.7	0.0	0.0	0.0	1.2
14	15.2	21.5	18.2	79.3	0.0	0.0	0.0	.5
15	13.0	28.4	20.1	69.0	0.0	0.0	0.0	8.4
16	15.6	29.5	22.3	58.7	0.0	0.0	0.0	5.3
17	14.0	31.4	21.4	64.7	0.0	0.0	0.0	8.7
18	16.5	29.0	21.0	67.7	0.0	0.0	0.0	2.9
19	16.4	29.8	23.5	38.3	0.0	0.0	0.0	10.1
20	19.0	30.0	23.5	45.3	0.0	0.0	0.0	6.7
21	16.4	28.0	21.8	56.3	0.0	0.0	0.0	5.2
22	16.8	27.3	21.7	57.7	0.0	0.0	0.0	5.1
23	15.0	27.5	21.0	49.0	0.0	0.0	0.0	6.7
24	16.8	28.3	22.7	41.3	0.0	0.0	0.0	10.2
25	14.0	30.2	21.9	61.7	0.0	0.0	0.0	3.7
26	13.5	29.1	20.2	65.0	0.0	0.0	0.0	7.1
27	15.5	28.7	20.1	70.0	0.0	2.6	2.6	6.9
28	15.2	24.0	18.4	84.0	.1	0.0	.1	2.7
29	16.0	28.2	20.5	73.7	0.0	.5	.5	4.6
30	16.1	24.5	19.6	75.7	0.0	0.0	0.0	.9
31	13.5	29.2	19.7	69.7	3.1	0.0	3.1	7.0
TOTAL PROMEDIO	15.7	27.8	21.2	58.0	3.2	3.1	6.3	172.9

ESTACION: OSPINA PEREZ

DPTO: NARINO

LATITUD : 01° 15'N

AÑO : 1990

MPIO: CONSACA

LONGITUD: 77° 29'W

ALTITUD : 1700 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.5	27.2	20.3	74.3	.4	8.9	9.3	6.9
2	15.0	25.8	18.5	78.7	2.9	0.0	2.9	2.0
3	14.4	23.0	18.7	81.7	0.0	2.2	2.2	4.4
4	16.5	28.2	22.9	39.3	0.0	0.0	0.0	7.2
5	15.0	30.0	21.2	62.3	0.0	0.0	0.0	7.1
6	14.2	28.0	19.7	65.0	0.0	1.5	1.5	6.3
7	14.5	27.0	19.4	75.3	0.0	0.0	0.0	5.1
8	15.0	25.5	19.2	75.3	0.0	0.0	0.0	4.1
9	16.0	27.2	20.2	69.7	0.0	0.0	0.0	5.0
10	14.5	26.5	19.5	75.0	0.0	0.0	0.0	6.8
11	16.0	25.5	19.7	75.3	.6	0.0	.6	1.9
12	15.5	27.5	19.9	75.3	5.6	0.0	5.6	2.9
13	16.0	29.5	21.4	52.7	0.0	0.0	0.0	10.3
14	15.9	28.0	20.4	68.7	0.0	0.0	0.0	3.8
15	16.0	28.5	20.9	67.3	0.0	0.0	0.0	4.4
16	18.2	29.5	23.3	40.0	0.0	0.0	0.0	6.1
17	17.0	30.4	23.0	41.3	0.0	0.0	0.0	9.3
18	16.8	30.5	21.7	57.3	0.0	0.0	0.0	8.2
19	14.0	29.7	21.0	67.0	0.0	0.0	0.0	9.1
20	14.3	27.6	20.6	69.7	0.0	0.0	0.0	8.1
21	14.6	26.2	19.6	73.0	0.0	0.0	0.0	3.7
22	14.0	27.0	20.3	65.3	0.0	.5	.5	6.6
23	15.4	25.2	18.8	80.3	1.2	0.0	1.2	3.1
24	15.8	25.4	19.4	79.0	.9	0.0	.9	2.9
25	14.5	27.1	19.5	72.0	0.0	0.0	0.0	2.6
26	14.7	27.4	20.6	70.3	3.1	0.0	3.1	6.7
27	14.0	28.6	20.3	61.7	0.0	0.0	0.0	3.7
28	12.3	28.8	20.6	60.0	0.0	0.0	0.0	5.7
29	14.5	27.6	20.6	69.7	0.0	0.0	0.0	4.1
30	15.5	25.4	19.7	78.3	0.0	5.6	5.6	1.0
31								
TOTAL PROMEDIO	15.2	27.5	20.3	67.4	14.7	18.7	33.4	159.1

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.4	21.0	17.2	94.3	5.6	4.9	10.5	.7
2	15.2	23.0	18.1	82.3	1.6	0.0	1.6	2.0
3	13.5	25.0	19.3	78.3	.7	0.0	.7	5.7
4	16.0	28.0	20.6	76.3	0.0	31.5	31.5	7.0
5	16.1	26.0	19.4	80.7	0.0	0.0	0.0	3.2
6	15.0	23.0	18.4	83.0	0.0	5.5	5.5	3.0
7	15.5	22.2	18.0	86.3	11.4	8.0	19.4	.7
8	15.8	23.0	18.5	84.3	.9	.2	1.1	1.1
9	16.0	23.2	18.5	89.3	12.0	4.8	16.8	2.2
10	15.4	21.5	18.0	85.0	.2	15.7	15.9	.2
11	15.0	23.2	18.6	84.3	.9	30.8	31.7	1.6
12	16.4	24.0	19.2	91.7	1.5	4.7	6.2	.7
13	16.5	24.5	18.9	85.3	3.8	.9	4.7	2.1
14	16.0	22.3	18.6	90.0	3.4	.3	3.7	2.6
15	15.4	23.5	17.9	85.0	12.2	0.0	12.2	2.8
16	14.0	25.7	19.5	75.0	0.0	20.8	20.8	7.9
17	14.5	24.5	18.9	79.3	0.0	0.0	0.0	4.2
18	15.6	26.5	20.5	76.3	0.0	9.5	9.5	5.7
19	16.0	25.5	19.8	82.0	0.0	15.8	15.8	3.8
20	15.8	23.5	19.5	82.7	.1	59.8	59.9	1.6
21	14.5	23.8	18.0	85.7	1.2	6.1	7.3	4.7
22	15.5	23.2	18.0	89.7	.6	.5	1.1	2.0
23	16.0	23.0	18.6	87.3	.6	1.6	2.2	2.1
24	15.8	18.0	16.6	96.0	8.0	0.0	8.0	0.0
25	14.0	23.8	19.3	80.0	0.0	0.0	0.0	5.4
26	15.5	26.4	20.2	75.0	0.0	0.0	0.0	8.0
27	16.4	25.5	19.6	80.7	0.0	.2	.2	4.7
28	15.2	25.8	20.1	79.3	0.0	17.4	17.4	8.5
29	15.8	21.5	18.1	87.7	.8	1.1	1.9	.4
30	15.5	25.0	19.4	79.7	0.0	0.0	0.0	5.7
31	15.0	26.5	19.8	78.3	0.0	1.8	1.8	7.1
TOTAL PROMEDIO	15.4	23.9	18.9	83.6	65.5	241.9	307.4	107.4



ESTACION: OSPINA PEREZ

DPTO: NARINO

LATITUD : 01° 15'N

ANO : 1990

MPIO: CONSACA

LONGITUD: 77° 29'W

ALTITUD : 1700 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	25.5	19.3	83.7	0.0	0.0	0.0	4.1
2	16.4	25.0	19.2	86.0	0.0	1.9	1.9	2.0
3	16.0	24.0	18.9	83.3	3.7	0.0	3.7	2.0
4	15.0	24.2	17.9	85.3	.3	0.0	.3	1.1
5	15.5	23.5	18.7	83.0	3.6	.2	3.8	.7
6	15.0	25.2	19.6	78.0	0.0	.2	.2	6.6
7	14.8	27.2	20.0	75.7	0.0	0.0	0.0	7.3
8	16.0	25.8	19.2	85.3	0.0	0.0	0.0	3.8
9	15.8	26.5	19.5	83.3	0.0	0.0	0.0	4.9
10	16.4	23.5	19.0	83.7	.1	0.0	.1	2.4
11	16.8	26.8	21.9	41.3	0.0	0.0	0.0	9.3
12	14.8	28.5	20.1	62.3	0.0	0.0	0.0	10.1
13	14.2	26.5	20.1	71.7	0.0	0.0	0.0	8.5
14	15.3	26.0	20.3	81.7	0.0	0.0	0.0	6.3
15	15.4	23.5	18.9	82.0	0.0	0.0	0.0	.2
16	15.0	26.2	20.0	76.3	0.0	0.0	0.0	6.0
17	14.2	26.5	19.8	74.7	0.0	2.5	2.5	6.0
18	16.0	21.4	17.8	87.7	3.6	3.7	7.3	1.6
19	15.0	25.5	19.5	80.0	0.0	0.0	0.0	6.0
20	16.8	27.2	20.5	82.7	0.0	0.0	0.0	6.4
21	15.0	24.5	18.3	83.7	2.1	0.0	2.1	1.9
22	14.0	26.0	19.5	78.7	0.0	.2	.2	9.7
23	16.0	25.0	19.1	81.0	0.0	7.6	7.6	4.6
24	15.8	23.2	18.8	84.0	0.0	0.0	0.0	
25	15.0	23.5	18.7	82.7	0.0	0.0	0.0	
26	16.0	25.4	20.0	77.7	0.0	.4	.4	1.3
27	16.5	26.0	20.0	81.7	0.0	0.0	0.0	6.9
28	15.4	26.8	19.8	77.3	0.0	12.1	12.1	4.0
29	15.5	22.0	17.9	87.3	1.6	.7	2.3	2.4
30	16.0	24.5	18.6	87.0	1.9	.1	2.0	.9
31								
TOTAL PROMEDIO	15.5	25.2	19.3	79.6	16.9	29.6	46.5	

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.8	25.0	19.6	82.0	.6	0.0	.6	6.2
2	16.0	23.4	18.8	86.3	0.0	1.7	1.7	2.1
3	15.0	23.5	18.2	86.7	0.0	0.0	0.0	.6
4	15.2	25.0	19.4	81.3	0.0	1.5	1.5	2.9
5	15.3	18.0	16.4	93.7	0.0	0.0	0.0	0.0
6	14.1	26.0	18.7	75.7	0.0	0.0	0.0	3.1
7	14.0	26.2	18.3	79.7	0.0	0.0	0.0	2.8
8	15.9	24.4	18.2	83.0	11.4	1.9	13.3	.8
9	14.6	23.0	17.8	81.0	0.0	.6	.6	3.2
10	14.8	26.8	19.8	74.0	0.0	.2	.2	9.7
11	15.8	22.0	18.3	83.0	0.0	.2	.2	.2
12	14.6	25.5	19.4	75.3	0.0	0.0	0.0	6.1
13	15.0	26.6	20.0	77.0	0.0	0.0	0.0	8.1
14	16.0	23.2	19.2	84.7	0.0	0.0	0.0	2.5
15	15.0	27.5	21.5	64.0	0.0	0.0	0.0	3.8
16	16.4	27.8	20.2	73.0	0.0	0.0	0.0	4.0
17	15.0	26.2	20.1	74.7	0.0	0.0	0.0	3.6
18	15.1	26.0	19.4	82.0	0.0	0.0	0.0	2.9
19	15.8	25.5	19.8	80.7	1.1	0.0	1.1	2.8
20	14.8	24.0	19.1	83.3	0.0	0.0	0.0	.4
21	14.6	28.5	20.2	75.0	0.0	0.0	0.0	7.9
22	15.5	21.0	17.5	91.3	1.7	11.3	13.0	1.1
23	15.6	22.4	18.6	85.3	.1	4.8	4.9	1.7
24	16.0	21.4	18.1	88.0	.9	3.8	4.7	.2
25	15.9	24.0	19.1	82.7	0.0	0.0	0.0	3.9
26	16.0	24.5	19.0	87.0	0.0	.4	.4	2.3
27	15.4	23.2	18.8	81.7	0.0	0.0	0.0	1.3
28	14.5	26.6	19.0	79.0	11.0	0.0	11.0	6.9
29	14.0	25.0	19.3	78.3	0.0	6.5	6.5	4.0
30	15.8	21.6	18.3	87.7	1.0	6.5	7.5	.2
31	15.0	25.2	18.9	84.0	0.0	0.0	0.0	2.1
TOTAL PROMEDIO	15.3	24.5	19.0	81.3	27.8	39.4	67.2	97.4

ESTACION: OSPINA PEREZ

DPTO: NARINO

LATITUD : 01° 15'N

AÑO : 1990

MPIO: CONSACA

LONGITUD: 77° 29'W

ALTITUD : 1700 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	15.7	25.1	19.7	13.5	30.6	80.5	47.1	11	
FEBRERO	16.1	24.7	19.3	15.0	29.0	83.4	134.5	24	100.6
MARZO	16.2	25.5	20.0	14.0	30.0	80.3	128.7	19	109.5
ABRIL	16.2	24.5	19.6	14.8	27.5	84.7	234.0	22	81.9
MAYO	16.2	24.9	19.7	14.0	28.0	81.6	87.5	15	89.3
JUNIO	16.2	26.3	20.6	15.0	30.0	72.6	47.5	8	103.3
JULIO	15.0	26.0	20.2	12.6	29.0	66.6	35.5	12	144.7
AGOSTO	15.7	27.8	21.2	13.0	31.4	58.0	6.3	4	172.9
SEPTIEMBRE	15.2	27.5	20.3	12.3	30.5	67.4	33.4	11	159.1
OCTUBRE	15.4	23.9	18.9	13.5	28.0	83.6	307.4	26	107.4
NOVIEMBRE	15.5	25.2	19.3	14.0	28.5	79.6	46.5	15	
DICIEMBRE	15.3	24.5	19.0	14.0	28.5	81.3	67.2	15	97.4
PROMEDIO	15.7	25.5	19.8			76.6			
ABSOLUTA				12.3	31.4				
TOTAL							1175.6	182	

ESTACION: FRANCISCO ROMERO

DPTO: NORTE DE SANTANDER

LATITUD : 07° 45'N

ANO : 1990

MPIO: SALAZAR

LONGITUD: 72° 47'W  
ALTITUD : 1000 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	26.0	21.1	84.0	19.3	1.3	20.6	3.5
2	17.0	25.0	19.9	92.0	26.0	0.0	26.0	3.0
3	16.0	24.4	20.4	88.0	0.0	0.0	0.0	.8
4	15.8	26.2	20.4	85.3	2.1	.1	2.2	3.0
5	16.0	26.0	20.6	86.0	0.0	54.3	54.3	3.0
6	18.0	24.2	20.9	87.7	0.0	0.0	0.0	.6
7	18.2	21.8	19.1	91.0	0.0	0.0	0.0	.1
8	17.0	25.0	20.2	83.7	0.0	0.0	0.0	1.0
9	17.8	24.0	20.5	88.3	0.0	11.5	11.5	2.5
10	17.2	23.4	20.4	89.7	0.0	0.0	0.0	1.1
11	16.0	26.0	20.6	84.3	0.0	0.0	0.0	4.4
12	15.6	27.4	21.3	81.7	0.0	0.0	0.0	6.0
13	17.8	26.0	21.3	85.3	0.0	1.0	1.0	3.1
14	17.6	22.4	19.7	88.7	.4	1.9	2.3	1.1
15	16.8	25.0	20.4	88.0	0.0	0.0	0.0	2.0
16	16.2	24.8	20.2	87.3	0.0	0.0	0.0	2.9
17	15.4	24.4	20.0	86.7	0.0	0.0	0.0	3.3
18	17.0	25.0	21.0	84.0	0.0	0.0	0.0	2.1
19	16.2	26.4	21.0	83.7	0.0	1.2	1.2	3.4
20	17.0	26.5	21.0	82.7	0.0	0.0	0.0	2.1
21	17.5	25.0	20.4	88.7	.1	0.0	.1	1.0
22	17.8	23.2	19.1	92.3	1.1	0.0	1.1	0.0
23	15.2	26.5	20.4	83.3	0.0	0.0	0.0	2.5
24	16.8	25.8	20.9	85.7	0.0	0.0	0.0	2.0
25	16.7	28.5	21.9	80.3	0.0	0.0	0.0	7.1
26	18.0	27.2	21.4	85.0	.2	1.5	1.7	2.9
27	17.4	26.0	20.5	84.0	0.0	0.0	0.0	1.1
28	16.2	25.4	19.7	89.3	.2	.3	.5	2.2
29	18.0	25.4	21.6	80.7	0.0	0.0	0.0	1.8
30	18.4	29.0	22.3	77.7	0.0	0.0	0.0	4.8
31	17.5	27.5	22.1	80.7	0.0	0.0	0.0	2.6
TOTAL PROMEDIO	17.0	25.5	20.6	85.7	49.4	73.1	122.5	77.0

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.8	27.8	21.6	80.7	0.0	0.0	0.0	4.1
2	18.0	26.2	21.7	87.0	0.0	5.3	5.3	2.2
3	19.2	24.0	19.9	94.3	6.1	19.4	25.5	.1
4	18.2	22.0	19.5	97.3	5.2	0.0	5.2	0.0
5	17.8	21.2	19.5	95.0	1.7	0.0	1.7	0.0
6	17.4	25.0	21.0	87.0	.5	45.0	45.5	.1
7	18.7	20.5	19.2	97.3	18.0	19.2	37.2	0.0
8	18.0	21.4	18.9	96.0	1.2	.3	1.5	0.0
9	17.2	24.2	20.3	91.3	0.0	0.0	0.0	1.0
10	16.4	28.0	21.7	77.3	0.0	0.0	0.0	6.4
11	16.8	26.7	21.6	81.7	0.0	0.0	0.0	4.0
12	17.0	26.2	21.4	83.7	0.0	0.0	0.0	3.6
13	18.2	25.8	21.1	84.0	1.8	2.8	4.6	1.1
14	18.0	23.2	19.6	90.7	1.9	1.3	3.2	.6
15	17.5	23.0	19.6	91.3	2.3	2.3	4.6	.2
16	17.0	23.2	19.4	91.0	0.0	0.0	0.0	.6
17	16.0	26.0	20.5	85.7	0.0	108.0	108.0	4.4
18	15.8	23.0	19.0	87.7	.8	4.1	4.9	.4
19	14.7	22.5	19.1	90.7	0.0	0.0	0.0	.4
20	18.0	25.5	20.9	84.7	0.0	0.0	0.0	1.1
21	17.5	27.0	21.0	85.3	1.1	0.0	1.1	3.7
22	17.0	25.0	20.4	88.0	0.0	0.0	0.0	3.7
23	17.2	24.8	20.7	89.3	1.1	0.0	1.1	3.3
24	16.0	24.1	19.6	88.3	3.3	6.9	10.2	2.9
25	15.0	24.0	18.9	86.0	0.0	0.0	0.0	5.1
26	14.6	24.2	18.8	82.7	0.0	0.0	0.0	1.5
27	13.2	24.0	18.2	85.3	0.0	0.0	0.0	.9
28	15.8	23.5	19.3	85.7	0.0	0.0	0.0	.2
29								
30								
31								
TOTAL PROMEDIO	16.9	24.4	20.1	88.0	45.0	214.6	259.6	51.6

ESTACION: FRANCISCO ROMERO

DPTO: NORTE DE SANTANDER

LATITUD : 07° 45'N

AÑO : 1990

MPIO: SALAZAR

LONGITUD: 72° 47'W

ALTITUD : 1000 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.7	27.6	21.0	77.3	.3	1.1	1.4	4.3
2	17.0	25.0	20.1	85.0	0.0	0.0	0.0	3.4
3	18.0	25.4	21.2	83.3	0.0	1.7	1.7	2.2
4	16.7	26.2	20.7	87.7	0.0	0.0	0.0	3.0
5	17.0	26.0	21.0	84.0	.3	0.0	.3	1.4
6	17.2	24.5	20.8	82.3	0.0	0.0	0.0	.1
7	17.0	25.0	21.1	81.7	0.0	.1	.1	.9
8	18.8	26.5	21.5	83.3	0.0	0.0	0.0	1.0
9	18.5	23.5	20.0	94.7	4.5	10.0	14.5	.2
10	18.0	25.8	20.1	85.0	0.0	0.0	0.0	.3
11	17.2	25.0	20.6	84.3	0.0	0.0	0.0	.1
12	17.4	27.2	22.0	83.0	0.0	0.0	0.0	1.1
13	19.0	27.0	21.3	82.0	0.0	0.0	0.0	1.4
14	18.0	27.5	22.0	80.7	0.0	0.0	0.0	2.5
15	17.9	26.3	21.8	82.3	0.0	1.0	1.0	0.0
16	18.5	26.2	21.9	85.3	0.0	1.1	1.1	1.3
17	17.2	27.6	22.2	79.7	0.0	0.0	0.0	2.5
18	18.2	23.8	19.6	92.0	0.0	0.0	0.0	0.0
19	17.0	26.5	21.7	79.0	0.0	0.0	0.0	1.8
20	19.0	29.2	23.0	78.0	0.0	.1	.1	2.9
21	18.0	24.2	20.4	90.0	0.0	0.0	0.0	0.0
22	19.2	26.4	22.0	83.0	0.0	0.0	0.0	3.6
23	19.3	21.7	19.7	95.3	.1	.6	.7	.1
24	18.5	21.9	19.3	96.0	.7	5.3	6.0	0.0
25	18.7	22.4	20.0	85.0	.8	4.2	5.0	0.0
26	17.8	21.5	19.7	93.3	1.7	.4	2.1	0.0
27	17.2	26.2	21.0	86.0	0.0	2.0	2.0	2.4
28	16.4	26.5	20.9	84.7	0.0	.3	.3	3.7
29	18.2	24.0	20.6	90.7	0.0	0.0	0.0	.8
30	18.0	28.0	21.6	83.3	0.0	0.0	0.0	3.1
31	18.2	27.2	22.4	81.3	0.0	0.0	0.0	3.6
TOTAL PROMEDIO	17.8	25.5	21.0	85.1	8.4	27.9	36.3	47.7

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	28.4	22.5	80.3	0.0	0.0	0.0	3.6
2	19.0	28.0	22.5	80.0	0.0	0.0	0.0	1.5
3	19.5	28.5	22.7	84.7	17.5	4.3	21.8	3.8
4	18.4	27.5	22.6	84.7	0.0	98.5	98.5	1.2
5	18.0	24.2	20.6	94.3	5.5	9.7	15.2	1.4
6	18.5	24.3	20.3	91.3	0.0	0.0	0.0	0.0
7	17.4	29.5	22.7	77.7	0.0	0.0	0.0	4.3
8	15.8	29.0	22.1	84.0	0.0	0.0	0.0	4.8
9	15.0	28.8	22.8	80.0	0.0	1.0	1.0	
10	18.0	27.5	22.3	81.7	0.0	2.2	2.2	3.8
11	19.2	29.5	23.8	74.0	0.0	0.0	0.0	5.5
12	19.0	28.4	23.0	77.0	0.0	0.0	0.0	.6
13	18.6	30.0	23.4	77.7	.3	0.0	.3	2.9
14	18.0	27.0	21.4	87.7	1.9	.1	2.0	2.5
15	17.5	27.8	21.3	90.3	0.0	47.5	47.5	3.7
16	18.2	27.5	22.8	86.7	0.0	0.0	0.0	.2
17	18.1	27.8	22.6	85.3	.8	8.9	9.7	3.8
18	18.6	24.0	21.2	93.7	14.5	0.0	14.5	
19	18.5	25.0	21.4	91.7	0.0	-9.7	9.7	2.9
20	18.8	25.1	19.8	95.3	2.1	0.0	2.1	1.0
21	18.1	23.6	20.6	89.0	0.0	65.0	65.0	0.0
22	18.0	22.5	19.6	94.7	.7	.4	1.1	0.0
23	18.5	25.5	21.6	87.0	0.0	6.3	6.3	0.0
24	19.0	26.5	22.5	83.7	.2	5.2	5.4	0.0
25	17.8	28.0	21.7	83.3	61.5	0.0	61.5	1.9
26	17.5	25.5	20.8	90.0	0.0	0.0	0.0	1.4
27	17.2	28.5	23.2	82.0	.1	0.0	.1	1.6
28	18.5	27.2	21.8	82.7	36.0	0.0	36.0	4.3
29	17.4	28.0	21.7	86.0	56.0	0.0	56.0	1.3
30	18.2	26.7	21.4	86.0	24.3	5.0	29.3	1.8
31								
TOTAL PROMEDIO	18.0	27.0	21.9	85.4	221.4	263.8	485.2	

ESTACION: FRANCISCO ROMERO

DPTO: NORTE DE SANTANDER

LATITUD : 07° 45'N

AÑO : 1990

MPIO: SALAZAR

LONGITUD: 72° 47'W

ALTITUD : 1000 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	28.2	21.4	86.0	13.5	44.0	57.5	2.1
2	17.8	22.5	20.2	92.3	1.8	.5	2.3	0.0
3	18.6	26.5	21.8	86.0	.5	2.3	2.8	1.3
4	19.0	27.8	21.8	86.7	47.0	82.0	129.0	2.7
5	18.7	27.4	21.8	83.3	1.6	11.0	12.6	3.2
6	18.0	27.2	22.5	84.3	0.0	0.0	0.0	5.2
7	17.5	28.4	22.6	83.7	4.2	.5	4.7	4.4
8	18.2	27.2	20.2	90.7	8.7	0.0	8.7	1.5
9	16.4	30.4	23.0	78.0	0.0	.3	.3	8.0
10	17.8	28.5	22.2	81.7	.1	0.0	.1	4.6
11	18.2	28.7	21.8	82.7	0.0	0.0	0.0	3.9
12	17.8	25.0	20.9	86.3	.1	0.0	.1	1.3
13	18.4	28.2	21.9	80.3	12.4	0.0	12.4	1.6
14	19.0	25.0	21.4	82.3	.1	0.0	.1	.4
15	18.0	27.2	21.8	85.7	.4	.1	.5	1.7
16	17.4	27.4	20.4	95.3	3.1	0.0	3.1	5.1
17	17.6	27.8	22.2	81.0	0.0	0.0	0.0	2.9
18	18.0	29.0	22.6	80.3	.1	0.0	.1	3.8
19	17.9	27.2	21.1	86.7	0.0	0.0	0.0	1.1
20	17.2	28.1	22.0	84.0	0.0	0.0	0.0	4.7
21	18.0	27.6	22.8	79.3	0.0	0.0	0.0	.6
22	18.8	24.2	21.2	90.0	8.1	0.0	8.1	.1
23	18.0	27.2	21.9	79.7	0.0	0.0	0.0	3.8
24	17.8	28.0	22.0	78.3	0.0	0.0	0.0	3.1
25	18.6	28.5	22.5	78.7	0.0	0.0	0.0	3.1
26	17.5	30.0	23.4	76.0	0.0	.8	.8	5.0
27	17.8	27.0	21.3	86.0	2.9	.7	3.6	8.6
28	17.0	29.5	22.8	80.3	.3	2.3	2.6	3.9
29	19.5	28.0	22.7	80.7	0.0	.5	.5	1.1
30	18.8	30.0	23.0	75.7	0.0	0.0	0.0	1.4
31	17.2	29.9	22.6	74.3	0.0	0.0	0.0	9.5
TOTAL PROMEDIO	18.0	27.7	21.9	83.1	104.9	145.0	249.9	104.5

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.2	26.8	20.3	88.7	1.8	0.0	1.8	1.5
2	17.4	30.2	22.6	72.3	0.0	0.0	0.0	4.3
3	14.5	30.0	22.1	70.0	0.0	0.0	0.0	0.0
4	15.8	30.8	23.2	70.0	0.0	0.0	0.0	7.8
5	17.5	30.0	24.0	71.0	0.0	0.0	0.0	8.8
6	19.0	31.2	24.2	73.3	0.0	0.0	0.0	8.4
7	18.6	27.2	21.6	83.3	.5	0.0	.5	2.4
8	17.0	28.5	22.2	77.3	0.0	0.0	0.0	.7
9	17.8	30.2	23.3	75.0	0.0	7.1	7.1	6.0
10	18.8	28.2	22.8	83.0	.6	1.8	2.4	0.0
11	18.0	28.0	21.7	82.7	.9	.1	1.0	.8
12	17.6	28.4	22.7	77.3	0.0	0.0	0.0	5.8
13	17.4	29.2	23.3	77.3	0.0	0.0	0.0	5.7
14	19.2	29.8	23.2	79.0	.3	0.0	.3	4.5
15	17.8	29.0	22.6	77.0	0.0	.4	.4	3.4
16	19.0	28.0	22.1	82.3	.4	0.0	.4	2.2
17	17.8	29.9	23.3	74.0	0.0	.5	.5	7.4
18	18.8	28.8	22.7	79.7	0.0	0.0	0.0	6.3
19	17.4	30.4	23.8	74.3	0.0	0.0	0.0	8.5
20	17.2	28.2	21.8	83.3	.6	0.0	.6	3.3
21	17.5	29.4	21.8	78.7	0.0	0.0	0.0	8.2
22	17.6	30.1	22.8	72.3	0.0	0.0	0.0	6.1
23	17.9	29.2	22.8	74.3	0.0	0.0	0.0	3.4
24	18.0	29.1	22.4	72.0	0.0	0.0	0.0	2.6
25	17.0	30.8	24.4	66.7	0.0	.3	.3	8.2
26	18.0	30.2	21.5	84.3	0.0	0.0	0.0	5.1
27	17.9	29.0	22.8	75.3	0.0	.4	.4	3.7
28	17.8	28.4	21.8	81.7	.4	0.0	.4	2.4
29	17.0	29.2	21.7	76.7	0.0	0.0	0.0	3.8
30	15.8	30.0	21.5	77.3	9.0	.3	9.3	8.7
31								
TOTAL PROMEDIO	17.6	29.3	22.5	77.0	14.5	10.9	25.4	140.0

ESTACION: FRANCISCO ROMERO

DPTO: NORTE DE SANTANDER

LATITUD : 07° 45'N

AÑO : 1990

MPIO: SALAZAR

LONGITUD : 72° 47'W

ALTITUD : 1000 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	29.6	23.2	73.3	0.0	.3	.3	6.9
2	18.0	32.0	24.0	70.3	0.0	0.0	0.0	4.9
3	16.5	30.4	23.6	62.3	0.0	0.0	0.0	3.4
4	16.7	30.5	22.2	72.7	0.0	0.0	0.0	7.3
5	18.0	29.0	23.5	72.7	0.0	0.0	0.0	8.2
6	18.2	28.8	22.1	82.7	.3	0.0	.3	3.1
7	17.8	30.5	22.9	70.3	0.0	0.0	0.0	6.2
8	16.2	31.0	23.1	71.3	0.0	0.0	0.0	5.2
9	17.0	28.8	23.3	72.7	0.0	0.0	0.0	5.2
10	18.0	28.6	22.5	75.7	0.0	0.0	0.0	2.0
11	17.8	27.0	20.9	85.3	.9	0.0	.9	3.6
12	17.5	29.4	22.9	75.7	.3	0.0	.3	4.0
13	16.2	28.2	22.6	72.3	0.0	0.0	0.0	2.7
14	17.5	26.4	20.5	82.7	3.4	0.0	3.4	1.3
15	15.4	29.8	22.9	72.0	0.0	5.9	5.9	5.7
16	18.0	30.2	23.3	74.0	0.0	2.6	2.6	5.0
17	18.1	29.0	22.7	72.7	0.0	0.0	0.0	2.7
18	18.0	30.0	23.4	69.0	0.0	0.0	0.0	7.0
19	18.8	28.2	22.6	77.7	.3	0.0	.3	4.3
20	16.4	29.8	23.3	72.3	0.0	0.0	0.0	8.3
21	18.4	28.0	21.1	81.3	15.9	.3	16.2	2.8
22	16.8	21.8	18.2	96.0	7.2	0.0	7.2	.1
23	15.0	28.2	21.2	81.3	.9	0.0	.9	7.5
24	17.4	29.8	22.4	77.3	0.0	0.0	0.0	7.3
25	17.3	30.0	23.3	75.3	0.0	0.0	0.0	9.6
26	17.6	29.8	22.3	72.7	0.0	0.0	0.0	6.8
27	17.0	27.8	23.4	72.7	0.0	0.0	0.0	5.4
28	18.0	28.2	21.4	80.0	1.6	0.0	1.6	4.0
29	17.8	30.0	23.6	72.0	0.0	0.0	0.0	7.4
30	17.2	28.8	22.3	79.0	0.0	0.0	0.0	8.3
31	17.0	28.4	22.9	72.3	0.0	0.0	0.0	8.0
TOTAL PROMEDIO	17.3	29.0	22.5	75.4	30.8	9.1	39.9	164.2

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.5	29.8	22.7	75.3	0.0	0.0	0.0	6.0
2	15.2	29.0	21.9	72.3	0.0	0.0	0.0	6.2
3	17.4	29.2	23.5	71.7	0.0	1.3	1.3	6.2
4	18.0	29.5	22.2	76.0	0.0	0.0	0.0	6.8
5	16.0	31.5	23.1	71.3	0.0	0.0	0.0	8.9
6	17.0	31.0	23.3	72.7	0.0	.7	.7	6.9
7	17.8	30.2	23.5	75.0	.1	.2	.3	7.1
8	16.8	30.0	24.0	65.0	0.0	0.0	0.0	6.3
9	18.8	29.8	23.5	71.7	0.0	0.0	0.0	5.1
10	18.0	29.6	22.3	76.0	1.3	0.0	1.3	2.8
11	17.0	30.0	22.8	69.7	0.0	0.0	0.0	5.7
12	16.8	29.4	22.4	75.0	0.0	0.0	0.0	7.6
13	18.0	30.8	23.1	70.3	.2	0.0	.2	3.8
14	17.9	30.9	24.0	69.0	0.0	12.6	12.6	4.3
15	19.0	28.0	22.6	82.7	0.0	0.0	0.0	1.5
16	18.6	30.0	24.2	73.7	0.0	0.0	0.0	5.6
17	19.0	29.9	22.9	71.3	0.0	0.0	0.0	5.6
18	18.8	29.8	22.8	76.3	.3	0.0	.3	4.2
19	17.0	30.2	23.4	72.7	0.0	0.0	0.0	3.6
20	17.8	28.9	23.1	76.0	.6	0.0	.6	3.9
21	16.8	29.8	22.6	69.3	0.0	0.0	0.0	5.6
22	16.0	30.7	23.0	69.7	0.0	0.0	0.0	7.9
23	15.9	29.6	24.3	68.3	0.0	.1	.1	5.6
24	18.4	30.0	22.9	72.0	0.0	0.0	0.0	5.2
25	17.0	31.8	24.0	70.0	0.0	0.0	0.0	5.5
26	18.0	30.0	22.1	78.0	21.0	2.0	23.0	5.0
27	17.8	29.2	21.5	83.3	7.6	9.7	17.3	4.7
28	18.0	29.8	22.4	81.3	.7	12.5	13.2	3.5
29	17.0	29.5	22.5	81.3	8.0	53.5	61.5	5.5
30	17.6	31.0	24.1	73.0	0.0	0.0	0.0	8.6
31	18.0	29.3	23.3	79.0	0.0	0.0	0.0	5.4
TOTAL PROMEDIO	17.5	29.9	23.0	73.8	39.8	92.6	132.4	170.6

ESTACION: FRANCISCO ROMERO

DPTO: NORTE DE SANTANDER

LATITUD : 07° 45'N

AÑO : 1990

MPIO: SALAZAR

LONGITUD : 72° 47'W  
ALTITUD : 1000 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.8	28.2	21.8	77.7	.7	3.5	4.2	6.7
2	17.0	28.3	22.1	77.3	0.0	0.0	0.0	5.5
3	16.9	28.6	22.6	76.7	0.0	0.0	0.0	5.9
4	17.4	30.0	22.9	75.0	0.0	0.0	0.0	7.8
5	16.5	31.2	22.6	77.0	.1	0.0	.1	8.3
6	17.0	31.4	23.3	71.3	0.0	0.0	0.0	9.5
7	17.8	29.0	22.6	76.3	0.0	0.0	0.0	7.7
8	17.2	30.0	22.6	77.3	2.3	0.0	2.3	5.1
9	19.0	29.2	22.2	73.7	1.0	0.0	1.0	3.8
10	16.0	30.0	23.5	71.3	0.0	.5	.5	5.3
11	17.8	30.2	23.7	77.3	0.0	0.0	0.0	4.6
12	18.5	29.7	23.3	75.3	0.0	0.0	0.0	2.3
13	17.2	29.8	22.2	78.3	3.4	0.0	3.4	7.1
14	16.8	30.0	22.8	69.7	0.0	0.0	0.0	3.3
15	16.4	30.5	22.7	72.0	0.0	0.0	0.0	6.8
16	16.0	30.0	22.2	76.0	0.0	0.0	0.0	8.0
17	16.7	31.4	23.3	72.3	0.0	0.0	0.0	9.1
18	17.0	31.6	23.3	71.3	0.0	0.0	0.0	8.7
19	18.0	30.0	23.4	71.0	0.0	1.1	1.1	3.5
20	17.0	29.5	21.8	77.0	6.5	.8	7.3	1.2
21	18.0	28.2	22.4	83.0	1.9	102.0	103.9	5.3
22	16.8	29.0	22.0	82.0	.4	10.0	10.4	5.3
23	17.2	28.5	22.2	83.0	0.0	.4	.4	4.1
24	17.0	29.5	22.9	79.3	0.0	7.9	7.9	4.8
25	18.6	29.0	22.5	78.0	0.0	0.0	0.0	4.3
26	17.0	29.2	22.9	76.0	0.0	0.0	0.0	7.1
27	18.0	30.2	24.0	74.0	0.0	0.0	0.0	5.5
28	18.4	29.0	22.7	76.3	0.0	0.0	0.0	2.9
29	18.0	30.2	22.1	81.7	3.7	0.0	3.7	5.0
30	17.2	28.8	22.0	80.0	0.0	0.0	0.0	2.9
31								
TOTAL PROMEDIO	17.3	29.7	22.7	76.2	20.0	126.2	146.2	167.4

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	30.6	23.7	73.0	0.0	.5	.5	6.4
2	18.8	29.4	23.0	76.0	4.8	21.6	26.4	2.7
3	19.0	26.0	20.3	2.7	7.4	0.0	7.4	.9
4	16.0	29.0	22.0	80.7	35.6	30.6	66.2	5.6
5	16.8	27.5	21.8	82.0	3.2	.5	3.7	2.4
6	18.0	28.2	21.7	87.3	1.0	39.6	40.6	3.9
7	18.4	30.0	22.9	82.3	.1	6.4	6.5	1.5
8	18.8	27.8	21.9	85.7	0.0	0.0	0.0	5.0
9	17.8	28.5	22.5	81.3	4.9	49.2	54.1	4.6
10	18.0	29.0	23.3	80.3	0.0	3.1	3.1	7.1
11	19.8	29.2	22.7	81.3	53.3	59.1	112.4	5.2
12	18.0	26.5	21.9	86.3	.1	0.0	.1	.7
13	18.8	26.8	22.1	86.0	11.5	.2	11.7	3.0
14	17.8	29.2	22.4	81.7	2.9	2.8	5.7	4.5
15	16.5	28.3	21.9	82.7	23.5	.5	24.0	6.0
16	17.4	29.2	23.1	82.0	5.9	37.5	43.4	5.9
17	17.0	29.0	21.5	83.7	8.7	2.1	10.8	5.9
18	18.0	29.2	23.2	81.7	0.0	24.6	24.6	6.9
19	17.5	28.2	21.6	83.7	0.0	0.0	0.0	3.6
20	17.8	27.2	20.8	84.3	26.4	8.1	34.5	3.9
21	17.4	29.0	21.5	82.7	37.8	.1	37.9	5.7
22	18.0	26.0	22.2	86.7	0.0	14.8	14.8	.7
23	17.4	28.0	22.0	84.0	6.9	1.9	8.8	1.9
24	17.0	26.2	21.1	87.3	.5	.1	.6	3.0
25	16.8	28.5	22.5	80.7	.5	5.4	5.9	5.6
26	17.8	29.3	22.0	81.3	0.0	3.6	3.6	5.7
27	18.0	28.2	21.8	84.0	11.6	6.1	17.7	4.7
28	17.9	26.5	20.8	96.3	28.3	7.5	35.8	2.6
29	18.0	28.4	22.5	84.0	22.1	13.4	35.5	4.6
30	18.8	28.5	22.5	84.0	0.0	.4	.4	6.5
31	19.2	26.4	22.1	83.3	3.5	23.4	26.9	1.2
TOTAL PROMEDIO	17.9	28.2	22.1	83.5	300.5	363.1	663.6	127.9

ESTACION: FRANCISCO ROMERO

DPTO: NORTE DE SANTANDER

LATITUD : 07° 45'N

AÑO : 1990

MPIO: SALAZAR

LONGITUD: 72° 47'W

ALTITUD : 1000 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	19.8	27.5	22.3	82.7	16.2	18.9	35.1	2.1
2	18.9	28.5	22.0	83.7	39.1	82.9	122.0	5.4
3	18.0	27.2	21.8	84.7	.4	0.0	.4	2.8
4	17.0	29.2	21.7	81.0	27.7	1.9	29.6	6.1
5	16.8	28.4	22.2	86.7	.9	28.2	29.1	5.3
6	18.0	28.0	21.4	84.3	0.0	0.0	0.0	5.8
7	17.8	28.5	22.3	84.7	0.0	2.6	2.6	6.4
8	18.7	27.0	21.6	81.0	.2	0.0	.2	1.8
9	17.0	28.2	22.0	80.7	0.0	0.0	0.0	7.5
10	17.1	25.7	20.8	90.0	0.0	0.0	0.0	1.2
11	15.8	28.8	21.3	77.7	0.0	0.0	0.0	6.8
12	16.8	28.0	21.5	82.7	0.0	0.0	0.0	5.6
13	17.4	27.2	21.9	79.0	0.0	0.0	0.0	3.2
14	17.5	28.0	21.6	81.3	0.0	0.0	0.0	5.9
15	18.2	26.2	22.0	84.7	0.0	0.0	0.0	1.6
16	17.0	28.8	22.7	81.3	0.0	2.5	2.5	6.7
17	17.5	26.4	21.6	85.0	0.0	23.6	23.6	1.5
18	18.5	25.2	21.7	87.3	0.0	18.3	18.3	0.0
19	17.5	26.8	21.8	84.0	0.0	.2	.2	3.3
20	18.0	27.8	22.4	83.3	0.0	0.0	0.0	3.4
21	17.5	27.1	21.8	83.0	.1	.2	.3	2.2
22	19.0	25.0	21.3	92.0	3.1	0.0	3.1	.5
23	18.9	27.2	21.9	86.7	24.8	20.7	45.5	3.7
24	18.2	26.2	20.4	90.3	0.0	1.4	1.4	1.3
25	15.8	26.1	20.8	85.7	0.0	13.2	13.2	3.7
26	17.0	28.0	21.4	84.0	0.0	0.0	0.0	3.1
27	17.1	25.3	20.7	80.7	0.0	0.0	0.0	.3
28	17.5	28.0	21.7	81.0	0.0	0.0	0.0	3.6
29	17.4	27.8	22.1	80.7	0.0	1.1	1.1	2.3
30	17.2	27.5	21.7	84.0	21.9	1.1	23.0	3.8
31								
TOTAL PROMEDIO	17.6	27.3	21.7	83.8	134.4	216.8	351.2	106.9

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	27.2	21.2	88.7	0.0	8.0	8.0	
2	19.1	26.6	21.3	87.3	0.0	65.0	65.0	0.0
3	17.0	24.5	20.8	88.3	0.0	5.6	5.6	.2
4	19.0	27.2	22.0	84.0	9.3	20.7	30.0	3.0
5	19.1	24.1	20.1	93.0	3.2	.2	3.4	.3
6	17.8	24.0	20.7	90.0	.5	39.8	40.3	.2
7	18.4	27.4	21.1	84.7	70.7	12.1	82.8	4.1
8	18.0	26.5	21.4	85.3	0.0	0.0	0.0	3.7
9	17.8	23.2	20.1	89.3	.1	3.3	3.4	
10	18.8	22.2	19.8	92.7	8.5	.1	8.6	.6
11	18.6	23.8	20.7	90.7	.3	0.0	.3	.5
12	15.5	26.4	20.0	88.7	0.0	0.0	0.0	5.5
13	17.8	24.2	20.2	86.0	0.0	0.0	0.0	.7
14	16.8	27.4	20.6	79.0	0.0	0.0	0.0	5.4
15	15.8	28.2	20.7	80.0	0.0	0.0	0.0	7.3
16	16.8	26.8	21.2	82.7	0.0	0.0	0.0	3.0
17	17.0	26.0	20.5	84.0	0.0	.6	.6	.6
18	16.8	28.0	21.6	83.0	0.0	0.0	0.0	5.4
19	18.0	25.0	20.5	85.0	0.0	0.0	0.0	.2
20	17.0	27.2	21.7	84.3	0.0	0.0	0.0	3.6
21	15.2	26.4	20.3	84.0	0.0	0.0	0.0	5.7
22	14.0	26.2	20.1	83.7	0.0	0.0	0.0	6.8
23	17.6	26.0	21.1	80.0	0.0	0.0	0.0	3.7
24	16.0	27.2	21.9	80.7	0.0	.4	.4	4.6
25	18.0	26.2	21.4	81.7	.6	.2	.8	2.4
26	16.5	25.2	20.3	86.7	0.0	21.1	21.1	2.2
27	17.8	25.0	21.1	86.0	0.0	4.8	4.8	2.6
28	17.6	23.2	19.8	92.3	1.0	0.0	1.0	.2
29	16.8	25.2	20.2	88.0	1.0	0.0	1.0	2.9
30	16.7	26.5	20.5	86.0	6.1	2.7	8.8	2.9
31	18.0	24.2	21.0	88.0	.1	3.4	3.5	1.2
TOTAL PROMEDIO	17.3	25.7	20.7	85.9	101.4	188.0	289.4	



ESTACION: FRANCISCO ROMERO  
 AÑO : 1990

DPTO: NORTE DE SANTANDER  
 MPIO: SALAZAR

LATITUD : 07° 45'N  
 LONGITUD: 72° 47'W  
 ALTITUD : 1000 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	17.0	25.5	20.6	15.2	29.0	85.7	122.5	12	77.0
FEBRERO	16.9	24.4	20.1	13.2	28.0	88.0	259.6	15	51.6
MARZO	17.8	25.5	21.0	15.7	29.2	85.1	36.3	14	47.7
ABRIL	18.0	27.0	21.9	15.0	30.0	85.4	485.2	21	
MAYO	18.0	27.7	21.9	16.4	30.4	83.1	249.9	20	104.5
JUNIO	17.6	29.3	22.5	14.5	31.2	77.0	25.4	14	140.0
JULIO	17.3	29.0	22.5	15.0	32.0	75.4	39.9	12	164.2
AGOSTO	17.5	29.9	23.0	15.2	31.8	73.8	132.4	13	170.6
SEPTIEMBRE	17.3	29.7	22.7	16.0	31.6	76.2	146.2	13	167.4
OCTUBRE	17.9	28.2	22.1	16.0	30.6	83.5	663.6	29	127.9
NOVIEMBRE	17.6	27.3	21.7	15.8	29.2	83.8	351.2	18	106.9
DICIEMBRE	17.3	25.7	20.7	14.0	28.2	85.9	289.4	19	
PROMEDIO	17.5	27.4	21.7			81.9			
ABSOLUTA				13.2	32.0				
TOTAL							2801.6	200	

ESTACION: BLONAY

DPTO: NORTE DE SANTANDER

LATITUD : 07° 34'N

AÑO : 1990

MPIO: CHINACOTA

LONGITUD: 72° 37'W

ALTITUD : 1235 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	23.8	19.3	88.3	0.0	0.0	0.0	3.7
2	15.8	25.0	19.6	84.7	6.1	.8	6.9	4.2
3	14.8	23.2	18.6	94.0	0.0	0.0	0.0	1.1
4	14.5	25.5	19.1	82.7	15.8	0.0	15.8	3.3
5	14.0	23.2	19.0	90.0	2.5	8.7	11.2	7.3
6	15.6	24.4	19.2	86.7	0.0	1.1	1.1	7.2
7	16.8	20.5	18.1	92.3	0.0	0.0	0.0	2.0
8	15.8	22.2	18.3	87.0	0.0	0.0	0.0	.4
9	16.0	23.5	19.5	84.0	0.0	0.0	0.0	.5
10	15.8	22.8	19.0	85.0	0.0	2.5	2.5	1.5
11	16.0	24.2	19.1	84.7	0.0	0.0	0.0	4.6
12	14.0	26.5	19.7	80.7	2.5	0.0	2.5	5.4
13	16.9	25.0	20.5	85.0	.8	0.0	.8	2.2
14	16.4	22.0	19.1	92.7	.7	0.0	.7	3.9
15	16.0	24.4	19.3	88.3	0.0	.7	.7	.6
16	14.8	24.1	18.9	85.0	0.0	0.0	0.0	3.3
17	13.8	23.2	18.5	86.7	3.0	0.0	3.0	1.8
18	15.0	24.5	19.1	86.3	0.0	0.0	0.0	
19	16.2	25.0	19.9	82.7	0.0	0.0	0.0	
20	16.0	26.0	19.6	83.3	0.0	0.0	0.0	
21	16.5	22.2	18.5	91.0	.5	0.0	.5	.3
22	16.8	21.4	18.7	90.7	.6	0.0	.6	0.0
23	14.5	24.0	19.6	82.3	0.0	0.0	0.0	2.9
24	15.5	25.0	19.7	86.7	0.0	0.0	0.0	2.1
25	16.0	28.0	20.9	80.7	0.0	0.0	0.0	6.0
26	16.5	26.0	20.2	82.7	0.0	1.1	1.1	1.9
27	16.0	25.0	18.9	83.7	0.0	0.0	0.0	2.5
28	15.0	26.2	20.2	83.7	0.0	0.0	0.0	4.2
29	16.0	26.7	21.2	79.0	0.0	0.0	0.0	4.8
30	17.5	26.5	20.7	79.7	0.0	0.0	0.0	3.9
31	16.0	27.2	20.7	81.7	0.0	0.0	0.0	6.7
TOTAL PROMEDIO	15.7	24.4	19.4	85.5	32.5	14.9	47.4	

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.8	28.4	20.9	79.7	0.0	0.0	0.0	7.4
2	16.0	25.2	20.4	86.0	0.0	0.0	0.0	3.0
3	18.8	23.1	19.9	89.0	0.0	.6	.6	.1
4	17.8	22.7	18.5	95.3	.8	0.0	.8	.1
5	17.0	22.0	19.1	93.7	.7	3.4	4.1	0.0
6	17.1	23.0	20.1	89.3	7.9	52.6	60.5	.5
7	17.8	19.5	18.5	96.0	44.7	5.2	49.9	0.0
8	17.0	20.0	17.9	96.0	8.3	.5	8.8	0.0
9	16.5	23.0	18.7	95.0	.3	0.0	.3	1.1
10	14.0	25.0	20.0	78.7	0.0	0.0	0.0	6.3
11	15.8	26.0	20.7	80.0	0.0	0.0	0.0	7.0
12	16.5	25.0	20.4	81.0	0.0	0.0	0.0	2.6
13	17.1	24.0	19.9	84.3	0.0	.9	.9	1.3
14	17.0	22.8	18.8	90.3	.1	.4	.5	.9
15	16.0	21.5	18.4	91.7	1.1	1.0	2.1	.7
16	16.0	21.8	18.5	88.3	.4	.8	1.2	.3
17	15.8	22.8	19.0	81.3	0.0	3.7	3.7	6.1
18	16.0	22.0	18.3	90.7	1.5	.4	1.9	.9
19	14.0	21.8	18.2	91.7	.5	.1	.6	0.0
20	16.5	22.4	18.8	88.7	0.0	.1	.1	.7
21	16.0	24.9	19.5	87.3	4.0	7.6	11.6	2.8
22	16.0	23.2	19.1	91.3	0.0	.7	.7	1.9
23	16.5	23.8	19.6	86.3	.1	0.0	.1	2.6
24	15.0	23.5	19.1	83.7	0.0	1.8	1.8	3.4
25	14.8	22.5	18.4	85.3	0.0	0.0	0.0	6.5
26	16.0	22.6	17.9	84.0	0.0	0.0	0.0	2.1
27	12.2	23.8	17.9	81.7	0.0	0.0	0.0	.5
28	16.0	22.5	18.5	84.7	.2	0.0	.2	.6
29								
30								
31								
TOTAL PROMEDIO	16.1	23.2	19.1	87.5	70.6	79.8	150.4	59.4

ESTACION: BLONAY

DPTO: NORTE DE SANTANDER

LATITUD : 07° 34'N

AÑO : 1990

MPIO: CHINACOTA

LONGITUD: 72° 37'W  
ALTITUD : 1235 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	26.4	20.1	78.0	0.0	4.8	4.8	3.0
2	14.5	24.0	18.7	89.3	0.0	0.0	0.0	2.6
3	16.8	23.8	19.7	84.0	0.0	7.3	7.3	1.0
4	16.0	24.5	20.0	85.0	.2	1.0	1.2	1.9
5	16.2	22.5	19.3	90.0	8.3	0.0	8.3	.3
6	17.0	23.0	19.3	85.3	0.0	0.0	0.0	.9
7	16.0	24.2	19.8	80.0	0.0	.2	.2	1.1
8	16.5	26.0	20.4	79.0	0.0	0.0	0.0	2.8
9	17.0	21.0	18.8	93.3	4.0	9.8	13.8	0.0
10	16.5	24.0	19.9	84.7	0.0	0.0	0.0	1.0
11	16.8	22.0	19.4	86.7	0.0	0.0	0.0	0.0
12	15.8	26.0	20.3	86.0	0.0	0.0	0.0	2.3
13	18.0	25.5	20.2	81.3	0.0	0.0	0.0	2.0
14	17.2	26.0	20.8	78.7	0.0	0.0	0.0	2.0
15	16.5	26.4	21.1	83.3	0.0	6.8	6.8	1.9
16	17.0	25.8	20.7	85.0	0.0	0.0	0.0	1.9
17	16.0	26.4	21.3	79.7	0.0	.7	.7	2.4
18	17.2	24.8	19.9	84.0	.4	0.0	.4	.3
19	16.4	26.2	21.0	79.0	0.0	0.0	0.0	3.0
20	16.5	27.5	21.5	77.3	0.0	0.0	0.0	5.2
21	16.8	23.0	19.5	90.3	0.0	0.0	0.0	0.0
22	16.8	25.0	20.1	84.3	0.0	0.0	0.0	2.8
23	17.8	20.4	18.5	93.3	.9	.3	1.2	0.0
24	16.8	20.2	17.9	95.7	1.7	5.7	7.4	0.0
25	17.0	19.4	17.9	93.7	3.8	10.2	14.0	0.0
26	16.8	20.3	18.2	92.7	3.4	0.0	3.4	0.0
27	16.0	23.8	19.5	87.3	.3	5.5	5.8	1.4
28	15.8	24.5	19.8	90.0	1.1	2.1	3.2	3.4
29	17.0	21.2	19.2	91.3	0.0	0.0	0.0	0.0
30	16.8	26.0	20.9	85.3	0.0	0.0	0.0	3.1
31	15.0	26.6	21.8	80.3	0.0	0.0	0.0	3.4
TOTAL PROMEDIO	16.5	24.1	19.8	85.6	24.1	54.4	78.5	49.7

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.2	27.0	21.1	81.7	0.0	0.0	0.0	4.3
2	18.0	25.5	20.9	82.7	0.0	3.2	3.2	2.4
3	17.8	26.5	21.8	82.3	0.0	.1	.1	5.0
4	17.0	25.5	21.3	83.3	.5	0.0	.5	1.5
5	16.5	23.0	19.8	91.3	9.5	0.0	9.5	1.0
6	17.0	22.5	18.6	88.0	1.2	0.0	1.2	.2
7	16.8	27.4	21.0	80.0	0.0	0.0	0.0	3.9
8	15.6	28.4	21.2	77.3	0.0	0.0	0.0	6.1
9	14.2	28.2	21.9	75.7	0.0	0.0	0.0	7.3
10	15.5	28.0	21.3	77.3	0.0	0.0	0.0	4.1
11	17.0	29.2	21.7	76.7	0.0	0.0	0.0	6.5
12	16.4	28.3	21.9	78.7	0.0	.1	.1	1.7
13	17.2	28.0	21.7	77.0	0.0	0.0	0.0	3.2
14	17.0	27.2	22.0	80.7	0.0	0.0	0.0	4.3
15	16.7	28.0	22.1	80.0	0.0	0.0	0.0	5.2
16	18.0	25.5	21.7	84.0	.1	.2	.3	.3
17	17.2	27.5	21.1	79.0	3.6	4.0	7.6	6.4
18	18.0	23.0	20.2	90.3	0.0	0.0	0.0	0.0
19	16.5	24.5	20.6	92.0	.2	.3	.5	2.6
20	18.0	23.5	19.2	93.3	.1	0.0	.1	.8
21	17.0	23.9	20.0	86.0	5.5	4.1	9.6	.1
22	17.2	22.5	19.4	93.3	2.1	.4	2.5	.2
23	18.0	24.0	21.0	89.3	3.0	6.5	9.5	.6
24	18.2	23.2	20.6	90.0	0.0	0.0	0.0	0.0
25	17.5	27.2	21.0	82.0	44.2	24.2	68.4	1.4
26	16.5	23.4	20.8	90.3	0.0	0.0	0.0	0.0
27	16.0	27.2	21.8	81.7	1.9	71.3	73.2	2.5
28	17.5	24.9	20.3	88.0	9.4	0.0	9.4	1.7
29	15.4	26.0	20.8	83.3	2.5	24.3	26.8	3.8
30	17.4	22.0	19.6	90.3	24.9	11.6	36.5	0.0
31								
TOTAL PROMEDIO	16.9	25.7	20.9	84.2	108.7	150.3	259.0	77.1

ESTACION: BLONAY

DPTO: NORTE DE SANTANDER

LATITUD : 07° 34'N

AÑO : 1990

MPIO: CHINACOTA

LONGITUD: 72° 37'W

ALTITUD : 1235 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	25.5	20.0	84.0	9.5	0.0	9.5	2.8
2	16.8	21.0	18.1	95.3	1.9	1.2	3.1	.2
3	16.9	23.8	19.7	91.3	0.0	10.3	10.3	.4
4	17.0	26.1	21.3	84.7	5.5	4.1	9.6	2.2
5	17.2	25.2	20.2	84.3	.7	0.0	.7	2.7
6	16.2	26.2	21.4	82.7	0.0	0.0	0.0	5.8
7	15.8	26.5	21.7	83.7	0.0	0.0	0.0	3.9
8	17.0	24.8	18.7	90.0	0.0	8.0	8.0	.4
9	15.0	28.0	21.0	79.7	0.0	0.0	0.0	5.9
10	16.0	26.0	20.7	81.3	0.0	0.0	0.0	5.0
11	16.2	28.2	21.1	81.7	0.0	0.0	0.0	4.2
12	15.8	22.8	19.2	92.0	1.2	0.0	1.2	.5
13	17.0	27.9	21.1	82.0	0.0	0.0	0.0	2.6
14	18.0	24.2	19.7	90.7	1.6	0.0	1.6	1.5
15	16.8	26.0	20.5	85.7	1.2	.4	1.6	1.0
16	16.0	25.4	19.9	89.3	0.0	0.0	0.0	2.6
17	16.2	27.8	20.9	85.3	0.0	0.0	0.0	3.7
18	16.4	27.2	21.8	81.3	0.0	0.0	0.0	3.2
19	17.0	24.0	20.0	87.7	4.6	0.0	4.6	1.7
20	16.4	26.3	20.9	86.0	0.0	0.0	0.0	4.4
21	17.2	25.0	20.3	91.3	4.5	0.0	4.5	1.0
22	16.8	21.2	19.4	93.3	12.0	0.0	12.0	5.7
23	17.0	25.2	20.7	82.3	0.0	0.0	0.0	1.3
24	16.5	26.0	20.9	83.7	.4	.9	1.3	1.1
25	17.0	26.2	20.3	91.3	.6	0.0	.6	2.7
26	15.5	28.4	21.8	77.7	0.0	4.7	4.7	7.2
27	15.8	25.2	19.5	91.3	2.5	0.0	2.5	1.9
28	15.7	27.2	21.4	82.0	0.0	0.0	0.0	0.0
29	18.0	26.0	20.8	83.3	0.0	.2	.2	1.6
30	15.4	28.9	20.8	79.0	0.0	0.0	0.0	7.8
31	15.0	29.9	21.2	75.7	0.0	0.0	0.0	9.0
TOTAL PROMEDIO	16.4	25.9	20.5	85.5	46.2	29.8	76.0	94.0

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.5	23.0	17.9	96.3	7.4	0.0	7.4	.3
2	15.8	28.0	20.2	78.7	16.5	0.0	16.5	5.2
3	14.5	28.2	21.0	77.0	0.0	0.0	0.0	8.0
4	14.2	28.7	21.4	74.0	0.0	0.0	0.0	6.4
5	16.0	28.8	21.5	81.7	0.0	0.0	0.0	7.4
6	17.0	30.5	22.2	78.0	0.0	1.3	1.3	8.5
7	16.8	24.0	19.6	89.7	2.7	0.0	2.7	.3
8	16.0	24.2	20.3	83.0	1.2	0.0	1.2	.5
9	16.0	28.5	20.2	79.7	.8	9.3	10.1	3.0
10	17.2	26.8	21.0	87.3	1.6	1.0	2.6	2.9
11	16.8	24.0	19.6	87.3	4.9	.1	5.0	.1
12	16.0	26.9	21.2	82.0	0.0	0.0	0.0	8.1
13	16.2	28.0	21.4	82.7	0.0	0.0	0.0	6.0
14	17.8	26.5	21.2	82.7	.6	.1	.7	1.8
15	16.0	27.4	20.9	84.0	0.0	0.0	0.0	4.5
16	18.0	24.8	20.9	85.7	0.0	0.0	0.0	1.7
17	15.8	28.2	21.0	82.7	0.0	7.4	7.4	7.1
18	16.8	27.4	21.2	85.0	0.0	0.0	0.0	5.9
19	16.0	28.6	21.0	85.0	0.0	0.0	0.0	6.1
20	15.8	25.2	20.3	89.7	.1	0.0	.1	2.9
21	15.5	27.0	19.3	85.3	0.0	0.0	0.0	6.1
22	15.4	27.1	20.3	85.3	0.0	0.0	0.0	3.7
23	16.0	26.2	21.2	83.7	.1	0.0	.1	1.2
24	16.2	27.4	20.6	75.3	0.0	0.0	0.0	1.2
25	15.0	29.4	21.2	76.7	0.0	.2	.2	5.7
26	16.2	27.2	19.9	88.7	0.0	0.0	0.0	4.4
27	16.4	26.2	21.6	79.3	0.0	.1	.1	1.3
28	16.5	25.4	20.0	86.7	1.1	.1	1.2	.7
29	15.8	26.0	19.1	82.0	.8	0.0	.8	4.3
30	14.7	27.2	20.0	81.7	3.6	1.3	4.9	6.6
31								
TOTAL PROMEDIO	16.1	26.9	20.6	83.2	41.4	20.9	62.3	121.9

ESTACION: BLONAY

DPTO: NORTE DE SANTANDER

LATITUD : 07° 34'N

AÑO : 1990

MPIO: CHINACOTA

LONGITUD : 72° 37'W  
ALITUD : 1235 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.9	27.6	20.3	82.3	.1	5.4	5.5	4.6
2	16.4	30.1	21.2	74.0	0.0	0.0	0.0	8.9
3	16.0	28.0	22.0	60.3	.1	0.0	.1	2.6
4	13.5	29.0	20.0	73.3	0.0	0.0	0.0	7.7
5	16.0	27.2	21.0	80.0	0.0	.2	.2	3.3
6	17.0	27.4	20.8	82.3	.2	.5	.7	3.4
7	16.0	28.0	20.2	80.0	0.0	0.0	0.0	4.7
8	14.5	30.0	22.3	72.7	0.0	0.0	0.0	3.8
9	15.0	26.4	20.8	79.0	0.0	0.0	0.0	4.6
10	14.9	27.0	20.5	75.0	0.0	0.0	0.0	4.4
11	16.0	25.4	19.7	88.7	0.0	0.0	0.0	3.5
12	16.5	27.2	21.5	78.0	.5	0.0	.5	3.1
13	14.5	26.2	21.0	81.7	0.0	.1	.1	3.1
14	15.2	25.1	18.0	91.0	6.1	0.0	6.1	1.3
15	14.8	26.8	19.9	84.7	0.0	12.9	12.9	4.8
16	16.5	28.0	19.6	87.3	6.4	5.4	11.8	2.7
17	15.0	27.0	20.4	82.7	0.0	0.0	0.0	2.8
18	14.5	27.4	20.2	77.3	0.0	1.3	1.3	7.6
19	15.5	26.2	20.7	83.0	0.0	0.0	0.0	4.3
20	14.9	27.0	20.1	82.0	5.2	0.0	5.2	5.3
21	16.0	26.0	19.5	89.7	2.2	0.0	2.2	3.2
22	15.0	24.1	15.9	97.0	13.5	0.0	13.5	0.0
23	14.0	25.8	19.5	84.7	7.0	.6	7.6	7.5
24	16.0	27.3	21.1	83.7	.3	0.0	.3	7.2
25	15.0	27.6	20.3	81.7	1.5	0.0	1.5	6.8
26	14.9	28.2	20.5	79.0	0.0	0.0	0.0	7.5
27	15.5	26.2	21.0	80.7	0.0	.5	.5	5.7
28	17.0	25.1	19.6	82.0	0.0	0.0	0.0	2.1
29	16.2	28.4	20.7	79.0	.8	0.0	.8	4.8
30	15.8	29.4	21.0	74.3	0.0	0.0	0.0	6.3
31	15.0	27.0	20.8	80.7	0.0	0.0	0.0	6.7
TOTAL PROMEDIO	15.4	27.2	20.3	80.9	43.9	26.9	70.8	144.3

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.9	27.0	19.7	82.7	2.9	.1	3.0	5.6
2	14.0	27.2	19.5	79.3	0.0	0.0	0.0	
3	15.3	26.0	20.2	84.0	0.0	1.9	1.9	5.5
4	16.0	29.2	20.5	76.7	0.0	0.0	0.0	6.4
5	14.9	28.9	21.2	79.0	0.0	0.0	0.0	7.5
6	15.8	28.0	20.8	80.3	3.0	.2	3.2	6.0
7	16.8	29.0	20.9	82.7	.6	3.0	3.6	6.7
8	15.0	27.2	21.2	79.7	1.1	0.0	1.1	5.1
9	16.0	27.0	20.3	83.7	0.0	0.0	0.0	4.3
10	16.2	26.4	20.2	83.3	5.7	0.0	5.7	1.0
11	15.4	27.1	20.3	79.0	0.0	0.0	0.0	3.7
12	15.0	26.5	20.3	82.0	0.0	0.0	0.0	5.8
13	16.5	27.4	20.7	81.3	.2	0.0	.2	3.3
14	15.7	28.2	21.7	79.0	10.2	1.2	11.4	4.5
15	16.8	26.2	20.5	81.0	2.4	0.0	2.4	1.5
16	16.9	26.4	20.9	80.7	0.0	.5	.5	5.8
17	16.0	27.0	20.6	83.3	0.0	0.0	0.0	4.9
18	16.5	26.2	20.6	80.3	2.1	0.0	2.1	3.2
19	15.8	27.4	20.2	77.7	0.0	0.0	0.0	2.6
20	15.2	28.0	20.5	81.3	3.4	0.0	3.4	3.4
21	15.8	26.2	20.1	79.7	0.0	0.0	0.0	5.1
22	14.0	29.4	20.7	76.7	0.0	.1	.1	7.2
23	16.0	26.8	21.1	82.0	.1	0.0	.1	6.1
24	17.0	26.5	20.6	79.3	.5	0.0	.5	2.4
25	15.0	28.2	20.9	82.0	.3	0.0	.3	3.4
26	16.8	27.3	20.1	85.7	2.0	.5	2.5	4.2
27	16.5	26.4	21.1	86.0	6.1	10.8	16.9	4.8
28	16.6	26.5	20.1	90.3	4.2	9.7	13.9	3.7
29	15.8	27.0	20.3	91.3	2.3	14.4	16.7	6.6
30	16.0	28.2	20.7	81.7	3.2	.1	3.3	5.5
31	15.6	27.2	21.2	82.7	.2	0.0	.2	3.8
TOTAL PROMEDIO	15.8	27.3	20.5	81.8	50.5	42.5	93.0	

ESTACION: BLONAY

DPTO: NORTE DE SANTANDER

LATITUD : 07° 34'N

ANO : 1990

MPIO: CHINACOTA

LONGITUD: 72° 37'W

ALTITUD : 1235 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.0	25.2	20.3	85.3	.4	2.2	2.6	2.4
2	15.6	24.9	19.1	95.3	3.9	0.0	3.9	2.7
3	15.8	26.4	20.3	83.3	0.0	0.0	0.0	5.4
4	15.9	27.3	19.7	84.3	0.0	0.0	0.0	5.0
5	14.8	29.2	20.2	79.7	1.4	0.0	1.4	6.7
6	14.5	29.0	21.3	75.0	0.0	0.0	0.0	7.9
7	16.2	26.5	20.4	84.0	0.0	0.0	0.0	5.3
8	16.0	28.4	21.3	81.3	1.3	0.0	1.3	6.2
9	16.1	27.0	18.2	97.3	9.0	0.0	9.0	1.2
10	16.0	27.2	20.0	83.7	0.0	0.0	0.0	4.2
11	15.0	28.0	21.2	82.7	0.0	0.0	0.0	6.3
12	16.2	27.2	20.9	85.0	0.0	0.0	0.0	2.1
13	15.0	27.0	19.9	82.3	.8	0.0	.8	2.3
14	15.5	27.2	20.8	78.7	0.0	0.0	0.0	3.4
15	14.0	28.8	20.6	76.7	0.0	0.0	0.0	6.7
16	14.2	29.8	20.7	78.0	0.0	0.0	0.0	7.6
17	14.8	30.0	21.2	77.3	0.0	0.0	0.0	8.2
18	15.0	29.2	20.6	80.0	.8	0.0	.8	6.9
19	16.5	29.0	21.0	77.7	2.6	1.5	4.1	3.9
20	15.5	26.4	19.9	82.7	3.5	0.0	3.5	1.0
21	15.0	27.1	20.1	86.7	1.2	20.6	21.8	4.9
22	15.5	26.0	20.1	90.3	29.6	3.3	32.9	3.4
23	16.0	25.3	20.0	86.0	2.7	.5	3.2	1.3
24	16.8	27.2	20.6	81.3	.1	1.0	1.1	5.1
25	16.2	25.0	20.0	85.3	.1	0.0	.1	.9
26	15.0	27.8	20.8	81.7	0.0	0.0	0.0	5.6
27	15.5	28.0	21.8	81.3	0.0	0.0	0.0	4.3
28	16.2	26.4	20.8	82.7	0.0	0.0	0.0	.9
29	16.5	27.2	21.3	82.0	1.6	0.0	1.6	3.6
30	15.4	27.4	19.4	86.0	.3	0.0	.3	3.1
31								
TOTAL	=====	=====	=====	=====	=====	=====	=====	=====
PROMEDIO	15.5	27.4	20.4	83.1	59.3	29.1	88.4	128.5

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.9	28.0	21.3	78.7	0.0	0.0	0.0	4.2
2	16.0	27.1	20.7	81.3	.3	.2	.5	2.2
3	18.2	25.0	20.0	86.0	2.0	0.0	2.0	1.5
4	15.2	28.2	20.9	80.7	6.9	61.2	68.1	4.0
5	15.5	26.5	20.6	86.7	6.9	9.4	16.3	2.3
6	16.0	25.8	19.6	94.0	3.4	6.9	10.3	2.6
7	17.4	28.1	21.2	84.3	1.1	2.8	3.9	4.2
8	17.3	25.0	20.2	89.0	.7	1.0	1.7	2.4
9	18.8	24.9	20.3	92.7	7.8	.4	8.2	2.1
10	16.8	27.0	21.7	84.0	7.3	1.4	8.7	6.4
11	17.9	27.2	21.1	85.7	3.4	26.2	29.6	4.2
12	16.0	25.4	20.2	87.0	0.0	.1	.1	1.2
13	17.0	25.7	20.8	92.0	.1	0.0	.1	4.7
14	15.6	25.8	20.4	86.0	4.8	0.0	4.8	3.4
15	14.7	26.2	20.4	90.7	6.4	.7	7.1	4.4
16	15.8	26.1	19.3	96.0	38.8	1.3	40.1	3.4
17	15.0	26.2	18.9	94.7	1.5	0.0	1.5	3.6
18	17.0	26.0	21.6	84.0	0.0	13.2	13.2	4.9
19	16.3	27.0	21.1	82.0	0.0	-0.0	0.0	5.3
20	16.0	26.9	20.3	84.3	.4	.2	.6	2.6
21	16.1	27.0	20.2	86.7	5.4	0.0	5.4	3.3
22	16.5	26.0	21.0	84.0	0.0	41.6	41.6	3.7
23	15.7	25.1	19.6	90.0	13.4	1.3	14.7	.4
24	15.8	24.0	19.8	90.0	0.0	.1	.1	4.4
25	16.0	26.5	20.4	84.3	0.0	.7	.7	4.8
26	17.2	27.0	19.8	86.7	.5	0.0	.5	2.9
27	16.0	26.4	20.4	90.0	3.4	0.0	3.4	1.8
28	16.8	25.0	20.1	86.0	3.2	10.7	13.9	2.1
29	17.5	25.2	20.8	90.0	63.9	12.8	76.7	4.4
30	16.8	27.1	21.2	84.7	0.0	5.4	5.4	4.4
31	17.8	24.0	19.8	93.3	.8	27.9	28.7	1.3
TOTAL	=====	=====	=====	=====	=====	=====	=====	=====
PROMEDIO	16.5	26.2	20.4	87.3	182.4	225.5	407.9	

ESTACION: BLONAY

DPTO: NORTE DE SANTANDER

LATITUD : 07° 34'N

AÑO : 1990

MPIO: CHINACOTA

LONGITUD: 72° 37'W

ALTITUD : 1235 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.8	24.0	19.5	92.7	1.0	6.9	7.9	1.8
2	17.4	27.4	21.7	82.7	0.0	0.0	0.0	5.2
3	17.2	27.0	20.3	82.0	2.6	0.0	2.6	2.5
4	16.0	28.0	20.6	81.3	1.5	1.0	2.5	6.4
5	15.9	26.4	20.5	86.7	23.9	.2	24.1	1.9
6	16.6	24.2	19.9	87.3	0.0	0.0	0.0	.6
7	16.0	27.1	20.5	84.7	.2	0.0	.2	7.2
8	17.2	25.2	20.1	86.0	.2	0.0	.2	2.1
9	15.5	27.2	20.9	83.7	0.0	1.7	1.7	7.1
10	16.0	23.8	18.9	92.7	.6	0.0	.6	.4
11	14.2	28.1	20.0	77.3	0.0	0.0	0.0	4.8
12	15.8	26.2	20.2	85.7	0.0	0.0	0.0	5.4
13	15.7	23.8	19.5	88.7	.6	0.0	.6	.6
14	15.8	24.8	19.6	88.0	0.0	0.0	0.0	3.7
15	17.2	24.0	19.9	89.0	.1	0.0	.1	1.5
16	15.2	27.6	21.1	82.0	0.0	21.5	21.5	6.7
17	15.5	25.1	20.8	86.3	0.0	48.2	48.2	1.2
18	17.4	24.0	20.1	92.0	3.8	6.4	10.2	1.0
19	17.0	26.0	20.6	88.0	0.0	0.0	0.0	3.1
20	16.4	26.4	20.6	83.3	0.0	0.0	0.0	4.1
21	16.0	26.2	19.8	82.3	0.0	0.0	0.0	2.8
22	17.0	23.5	20.0	92.0	0.0	0.0	0.0	.8
23	17.2	25.0	20.9	87.0	0.0	0.0	0.0	2.3
24	17.5	23.4	19.5	92.0	3.5	.1	3.6	.6
25	14.8	24.8	19.4	91.3	0.0	0.0	0.0	3.8
26	16.2	26.8	20.1	81.7	0.0	0.0	0.0	4.9
27	15.5	23.2	19.0	88.0	0.0	0.0	0.0	.2
28	16.2	24.8	19.9	85.7	0.0	0.0	0.0	.9
29	16.0	25.2	20.9	86.0	4.8	0.0	4.8	1.6
30	16.8	25.1	20.2	89.7	8.9	6.7	15.6	1.9
31								
TOTAL PROMEDIO	16.3	25.5	20.1	86.5	51.7	92.7	144.4	87.1

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.5	26.2	20.1	89.7	.9	27.8	28.7	3.6
2	17.8	24.3	20.3	90.7	28.7	32.5	61.2	.5
3	16.5	22.2	19.2	91.3	0.0	.1	.1	0.0
4	16.2	24.8	20.2	87.7	.6	3.4	4.0	1.3
5	17.5	21.8	17.9	96.7	7.0	4.4	11.4	.2
6	15.8	22.8	18.8	90.7	3.4	37.2	40.6	.3
7	16.8	24.8	20.7	88.0	0.0	8.4	8.4	2.9
8	17.0	24.7	19.7	88.3	3.1	5.7	8.8	4.0
9	16.6	23.2	19.2	88.0	0.0	5.5	5.5	2.0
10	17.2	20.0	17.9	92.3	4.8	2.6	7.4	0.0
11	16.2	22.8	18.9	90.7	0.0	.4	.4	1.1
12	14.0	24.1	18.6	89.0	0.0	0.0	0.0	5.6
13	16.4	21.2	18.0	93.3	0.0	0.0	0.0	.2
14	15.4	24.0	17.8	87.0	0.0	0.0	0.0	4.0
15	13.8	27.2	18.9	83.3	0.0	0.0	0.0	8.2
16	14.5	23.0	18.7	88.3	0.0	0.0	0.0	2.0
17	15.0	24.2	19.2	89.7	0.0	0.0	0.0	2.7
18	14.0	25.1	18.5	85.7	0.0	0.0	0.0	6.1
19	16.7	23.6	18.9	86.0	0.0	0.0	0.0	1.1
20	15.0	25.2	19.9	83.3	0.0	0.0	0.0	6.4
21	14.0	24.8	18.3	88.3	0.0	0.0	0.0	4.5
22	12.9	25.0	18.5	84.0	0.0	0.0	0.0	6.6
23	15.0	24.9	18.9	86.7	0.0	0.0	0.0	5.4
24	15.4	24.8	19.5	84.0	0.0	1.4	1.4	4.2
25	15.0	24.1	19.2	87.0	.2	.4	.6	5.5
26	15.6	23.4	19.2	87.0	0.0	0.0	0.0	.6
27	15.7	22.0	18.9	89.3	0.0	0.0	0.0	1.2
28	16.0	21.8	18.3	90.0	10.2	0.0	10.2	.1
29	15.4	23.1	18.9	87.7	0.0	0.0	0.0	2.0
30	15.0	23.0	18.7	88.0	0.0	12.8	12.8	3.4
31	16.2	21.9	18.4	93.3	0.0	1.9	1.9	.6
TOTAL PROMEDIO	15.6	23.7	19.0	88.5	58.9	144.5	203.4	

ESTACION: BLONAY  
 AÑO : 1990

DPTO: NORTE DE SANTANDER  
 MPIO: CHINACOTA

LATITUD : 07° 34'N  
 LONGITUD: 72° 37'W  
 ALTITUD : 1235 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	15.7	24.4	19.4	13.8	28.0	85.5	47.4	13	
FEBRERO	16.1	23.2	19.1	12.2	28.4	87.5	150.4	20	59.4
MARZO	16.5	24.1	19.8	14.5	27.5	85.6	78.5	15	49.7
ABRIL	16.9	25.7	20.9	14.2	29.2	84.2	259.0	18	77.1
MAYO	16.4	25.9	20.5	15.0	29.9	85.5	76.0	17	94.0
JUNIO	16.1	26.9	20.6	14.2	30.5	83.2	62.3	17	121.9
JULIO	15.4	27.2	20.3	13.5	30.1	80.9	70.8	18	144.3
AGOSTO	15.8	27.3	20.5	14.0	29.4	81.8	93.0	22	
SEPTIEMBRE	15.5	27.4	20.4	14.0	30.0	83.1	88.4	16	128.5
OCTUBRE	16.5	26.2	20.4	14.7	28.2	87.3	407.9	29	
NOVIEMBRE	16.3	25.5	20.1	14.2	28.1	86.5	144.4	16	87.1
DICIEMBRE	15.6	23.7	19.0	12.9	27.2	88.5	203.4	16	
PROMEDIO	16.1	25.6	20.1			85.0			
ABSOLUTA				12.2	30.5				
TOTAL							1681.5	217	



ESTACION: MARACAY

DPTO: QUINDIO

LATITUD : 04° 36'N

LONGITUD: 75° 46'W

ANO : 1990

MPIO: QUIMBAYA

ALTITUD : 1450 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.4	26.4	20.1	83.7	3.1	9.9	13.0	4.2
2	17.0	27.6	20.6	83.7	0.0	0.0	0.0	5.3
3	17.4	27.2	21.0	82.0	0.0	0.0	0.0	3.2
4	16.6	27.5	20.2	84.0	7.9	.2	8.1	4.2
5	16.5	23.5	19.8	89.3	0.0	0.0	0.0	0.0
6	16.7	25.4	20.0	84.7	1.7	.1	1.8	2.2
7	17.4	25.6	20.2	85.3	0.0	2.5	2.5	2.0
8	17.5	23.2	19.6	87.3	5.5	0.0	5.5	.2
9	16.0	27.5	19.8	84.7	.2	2.7	2.9	4.1
10	17.2	26.2	20.0	86.7	0.0	0.0	0.0	1.3
11	17.5	26.6	20.0	85.3	5.5	0.0	5.5	4.4
12	17.4	23.4	18.6	87.7	40.2	2.8	43.0	.2
13	15.0	25.6	19.0	85.0	.6	0.0	.6	3.0
14	16.1	25.8	20.8	83.0	0.0	0.0	0.0	3.8
15	16.0	27.2	21.1	85.7	0.0	0.0	0.0	3.7
16	16.5	26.4	21.3	83.7	0.0	.6	.6	3.4
17	17.6	28.0	22.0	81.7	0.0	0.0	0.0	4.8
18	16.8	28.6	21.1	84.0	1.2	.1	1.3	6.0
19	17.8	27.6	20.5	85.3	5.7	0.0	5.7	3.5
20	17.0	28.2	20.7	84.0	0.0	0.0	0.0	6.7
21	15.8	27.8	21.4	78.0	0.0	0.0	0.0	5.5
22	17.4	27.0	20.2	87.7	0.0	0.0	0.0	3.1
23	16.2	29.0	21.6	80.7	0.0	0.0	0.0	8.5
24	16.0	29.2	21.9	78.3	0.0	0.0	0.0	6.1
25	15.8	30.6	22.5	78.3	0.0	0.0	0.0	8.1
26	18.0	23.2	20.3	91.3	1.8	.4	2.2	0.0
27	16.5	29.5	21.5	82.0	0.0	0.0	0.0	6.0
28	17.0	29.8	22.5	77.3	0.0	0.0	0.0	5.2
29	16.5	29.6	22.6	80.3	0.0	0.0	0.0	5.6
30	16.0	28.5	22.2	81.0	0.0	0.0	0.0	5.0
31	18.3	27.8	21.8	85.0	0.0	0.0	0.0	.5
TOTAL PROMEDIO	16.8	27.1	20.8	83.8	73.4	19.3	92.7	119.8

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.5	28.0	22.9	78.7	0.0	0.0	0.0	3.3
2	17.0	27.0	21.1	83.3	.6	0.0	.6	2.2
3	17.5	25.6	21.7	84.0	0.0	0.0	0.0	.4
4	18.4	26.6	22.6	83.0	4.0	26.8	30.8	1.5
5	17.4	24.8	19.5	90.3	4.9	2.2	7.1	0.0
6	16.5	25.0	20.4	86.0	0.0	0.0	0.0	1.8
7	16.0	28.0	21.8	80.7	0.0	0.0	0.0	2.9
8	18.0	28.9	21.5	84.0	1.6	9.3	10.9	2.9
9	17.0	27.2	21.4	82.7	.5	0.0	.5	3.9
10	18.4	27.8	22.4	82.0	0.0	0.0	0.0	4.0
11	16.8	27.0	21.8	84.3	0.0	0.0	0.0	2.3
12	18.4	25.0	20.4	90.7	0.0	.6	.6	.3
13	17.0	24.8	20.6	86.0	15.2	0.0	15.2	.1
14	15.5	27.6	21.4	81.3	0.0	0.0	0.0	4.2
15	18.4	28.0	22.3	82.7	1.2	0.0	1.2	4.9
16	18.3	28.2	21.9	81.7	.3	.1	.4	4.6
17	17.0	29.4	21.2	71.3	0.0	3.2	3.2	6.7
18	16.5	24.4	18.9	97.3	7.2	5.0	12.2	2.2
19	16.8	25.7	20.4	83.3	.3	0.0	.3	1.7
20	17.0	27.5	20.0	84.7	.6	0.0	.6	3.0
21	16.8	27.4	20.0	82.3	0.0	0.0	0.0	5.5
22	15.5	25.6	19.1	82.3	10.6	.1	10.7	1.1
23	16.5	26.2	20.5	85.3	0.0	0.0	0.0	1.5
24	17.0	22.6	19.0	91.3	.1	10.9	11.0	.8
25	16.3	26.5	21.1	81.3	.2	2.7	2.9	4.3
26	16.4	23.5	19.3	85.0	0.0	.3	.3	.1
27	16.5	26.0	21.2	79.3	0.0	.1	.1	4.4
28	17.2	27.4	21.1	74.0	0.0	0.0	0.0	2.4
29								
30								
31								
TOTAL PROMEDIO	17.0	26.5	20.9	83.5	47.3	61.3	108.6	73.0

ESTACION: MARACAY

DPTO: QUINDIO

LATITUD : 04° 36'N

AÑO : 1990

MPIO: QUIMBAYA

LONGITUD: 75° 46'W  
ALTITUD : 1450 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	25.5	19.6	83.0	3.3	6.1	9.4	3.6
2	16.5	27.4	20.7	76.0	.7	0.0	.7	6.4
3	17.5	21.2	18.5	88.0	.1	0.0	.1	0.0
4	14.2	24.6	19.6	80.0	0.0	.3	.3	2.1
5	17.0	24.5	20.4	84.0	.9	.1	1.0	.7
6	15.0	28.5	21.4	79.0	0.0	.1	.1	6.7
7	18.0	27.6	21.9	80.0	0.0	0.0	0.0	2.8
8	17.5	29.9	22.2	77.0	0.0	0.0	0.0	8.6
9	17.0	30.1	23.5	67.7	0.0	0.0	0.0	8.0
10	17.4	31.3	22.4	73.7	0.0	0.0	0.0	5.3
11	18.0	28.7	22.6	77.7	0.0	0.0	0.0	2.0
12	17.0	31.3	22.4	77.7	.4	0.0	.4	8.1
13	18.5	30.8	24.4	66.0	0.0	0.0	0.0	7.1
14	17.5	26.2	21.9	82.7	0.0	0.0	0.0	.6
15	18.5	25.7	21.2	87.0	0.0	15.2	15.2	0.0
16	17.4	27.5	20.4	85.3	.5	0.0	.5	2.8
17	17.0	29.0	21.9	80.3	.5	52.4	52.9	4.6
18	17.5	24.2	19.5	89.3	6.6	0.0	6.6	.2
19	15.8	28.4	21.6	81.7	0.0	0.0	0.0	5.0
20	18.5	28.5	22.3	78.7	0.0	0.0	0.0	2.6
21	18.0	23.2	19.0	91.3	16.5	0.0	16.5	0.0
22	14.5	28.0	22.1	76.0	0.0	0.0	0.0	6.9
23	18.5	25.7	21.8	79.3	0.0	7.9	7.9	1.5
24	18.0	26.0	20.6	87.7	.3	0.0	.3	.9
25	18.2	24.8	19.1	95.0	12.2	0.0	12.2	1.0
26	16.5	23.0	18.5	92.7	20.0	0.0	20.0	.3
27	14.0	26.4	19.8	76.7	0.0	0.0	0.0	7.6
28	16.0	28.0	20.6	75.0	0.0	0.0	0.0	6.5
29	16.5	29.2	22.4	75.7	0.0	0.0	0.0	9.1
30	17.8	29.3	23.5	72.7	0.0	0.0	0.0	6.3
31	17.5	28.5	21.3	81.3	1.2	13.8	15.0	4.0
TOTAL PROMEDIO	17.0	27.2	21.2	80.6	63.2	95.9	159.1	121.3

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.8	22.5	19.1	87.3	.5	0.0	.5	.5
2	15.0	26.8	21.6	75.7	0.0	0.0	0.0	4.5
3	16.5	27.5	21.0	79.7	0.0	0.0	0.0	4.3
4	17.8	26.8	20.6	83.7	.2	14.6	14.8	3.0
5	17.2	25.0	20.8	85.7	.3	.2	.5	1.1
6	17.8	26.7	20.8	83.0	.2	0.0	.2	1.3
7	16.5	27.2	21.5	80.7	0.0	0.0	0.0	4.4
8	17.0	28.4	23.3	71.3	0.0	0.0	0.0	6.8
9	16.7	29.0	22.3	80.3	7.5	0.0	7.5	7.8
10	16.2	29.3	22.4	77.0	3.1	0.0	3.1	7.9
11	17.5	29.2	22.1	79.3	2.0	0.0	2.0	5.5
12	19.0	29.0	22.2	82.7	13.1	0.0	13.1	5.6
13	17.8	28.5	20.9	81.7	53.1	0.0	53.1	4.9
14	18.5	27.0	21.9	84.7	.3	.3	.6	1.6
15	17.8	26.4	21.4	85.3	16.3	16.9	33.2	2.5
16	16.8	22.0	19.1	92.0	.9	0.0	.9	1.1
17	16.0	27.5	20.8	81.7	12.1	0.0	12.1	6.2
18	16.5	27.8	20.9	77.7	7.0	.4	7.4	5.2
19	17.5	27.6	21.5	80.7	0.0	0.0	0.0	3.0
20	18.5	26.7	20.9	83.0	.2	26.9	27.1	2.1
21	17.5	23.5	19.4	88.3	3.6	0.0	3.6	.8
22	16.0	28.0	20.7	82.0	20.1	26.5	46.6	6.1
23	17.5	24.0	20.7	86.7	0.0	0.0	0.0	1.0
24	17.2	23.9	20.0	85.7	9.0	.8	9.8	.7
25	17.0	25.2	19.5	88.7	16.4	4.3	20.7	1.7
26	16.0	26.8	21.5	82.7	0.0	48.3	48.3	4.2
27	16.6	26.2	20.4	84.3	2.6	12.0	14.6	5.3
28	17.0	25.7	20.9	85.3	2.0	35.0	37.0	4.4
29	16.5	23.6	19.5	87.3	0.0	0.0	0.0	1.3
30	16.0	23.7	20.0	87.7	0.0	20.0	20.0	.5
31								
TOTAL PROMEDIO	17.1	26.4	20.9	83.1	170.5	206.2	376.7	104.3

ESTACION: MARACAY

DPTO: QUINDIO

LATITUD : 04° 36'N

AÑO : 1990

MPIO: QUIMBAYA

LONGITUD: 75° 46'W  
ALTITUD : 1450 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.7	25.8	20.5	84.0	.3	.2	.5	4.6
2	15.8	26.6	21.1	83.3	0.0	2.4	2.4	5.2
3	16.5	26.2	19.9	81.7	5.6	0.0	5.6	3.6
4	16.0	25.2	19.7	87.3	.2	2.2	2.4	4.0
5	16.4	24.5	19.9	87.7	.1	5.2	5.3	4.3
6	16.9	25.2	20.8	85.3	0.0	0.0	0.0	1.3
7	17.5	26.8	21.4	82.0	3.5	0.0	3.5	3.8
8	18.0	26.0	21.0	86.7	0.0	0.0	0.0	1.7
9	17.4	28.2	21.4	83.7	9.0	.5	9.5	4.7
10	17.5	26.4	21.4	83.7	0.0	4.0	4.0	3.9
11	18.2	27.0	21.6	83.7	.6	0.0	.6	4.7
12	16.4	24.6	20.6	89.3	1.1	.1	1.2	.4
13	17.6	25.8	20.3	86.7	6.3	11.8	18.1	1.5
14	17.5	25.4	20.5	85.3	0.0	0.0	0.0	4.0
15	16.5	26.5	20.2	86.7	0.0	0.0	0.0	3.5
16	16.8	28.6	22.5	80.7	.6	0.0	.6	6.9
17	18.2	25.7	21.5	84.7	0.0	0.0	0.0	1.7
18	18.6	27.4	22.7	80.3	0.0	0.0	0.0	6.8
19	18.0	26.0	23.5	78.0	0.0	0.0	0.0	5.0
20	17.8	27.6	22.4	81.3	.7	0.0	.7	4.8
21	18.4	26.4	21.5	83.7	0.0	0.0	0.0	1.8
22	18.2	28.0	22.7	80.0	.2	0.0	.2	3.0
23	18.0	27.4	22.0	80.0	0.0	0.0	0.0	4.4
24	18.2	25.2	20.9	85.3	3.6	0.0	3.6	2.5
25	17.6	25.5	21.3	80.7	0.0	0.0	0.0	.6
26	17.5	27.5	21.9	77.3	0.0	0.0	0.0	3.7
27	17.0	25.0	19.4	90.7	11.5	0.0	11.5	1.1
28	16.6	25.9	21.1	82.7	0.0	.7	.7	4.8
29	17.5	22.0	19.2	91.0	10.6	0.0	10.6	.1
30	15.3	25.7	20.4	85.0	0.0	0.0	0.0	2.7
31	17.4	24.9	20.8	82.0	1.4	0.0	1.4	3.0
TOTAL PROMEDIO	17.3	26.1	21.1	83.9	55.3	27.1	82.4	104.1

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.4	25.9	20.8	80.0	5.4	7.8	13.2	4.9
2	14.5	26.8	20.3	81.0	0.0	0.0	0.0	6.1
3	16.4	27.5	21.7	78.0	2.0	0.0	2.0	5.5
4	17.0	25.0	20.0	80.7	0.0	0.0	0.0	2.9
5	17.5	28.0	22.9	81.0	0.0	0.0	0.0	6.9
6	17.0	29.8	23.7	74.3	0.0	0.0	0.0	8.8
7	15.6	28.5	23.5	78.7	0.0	0.0	0.0	7.1
8	16.3	26.5	21.5	82.0	0.0	0.0	0.0	.6
9	16.8	24.5	20.9	85.7	18.5	10.9	29.4	0.0
10	17.5	23.0	19.4	86.7	16.4	0.0	16.4	.2
11	17.4	24.0	20.6	81.7	0.0	0.0	0.0	.1
12	17.5	26.3	20.8	87.0	0.0	0.0	0.0	2.0
13	15.0	25.2	20.3	82.7	0.0	5.5	5.5	2.3
14	17.4	26.2	18.8	88.0	34.0	0.0	34.0	1.7
15	16.4	27.0	20.4	81.0	.7	9.9	10.6	3.6
16	17.0	26.6	21.9	84.0	.1	0.0	.1	4.5
17	16.8	27.5	21.6	76.0	0.0	0.0	0.0	7.5
18	15.8	27.8	21.9	82.0	0.0	0.0	0.0	6.1
19	16.0	29.0	23.2	74.7	0.0	0.0	0.0	8.1
20	16.7	30.1	24.2	57.3	0.0	0.0	0.0	7.4
21	16.6	29.3	24.6	60.3	0.0	0.0	0.0	6.3
22	18.4	27.0	22.4	75.0	0.0	0.0	0.0	5.0
23	16.0	26.7	20.6	84.0	8.1	0.0	8.1	3.2
24	17.0	26.2	20.8	80.3	11.9	.1	12.0	3.4
25	16.0	27.6	20.2	82.7	12.3	0.0	12.3	5.2
26	16.2	28.5	22.5	71.3	0.0	0.0	0.0	6.6
27	16.8	25.5	21.0	82.0	.1	0.0	.1	0.0
28	16.5	30.1	24.0	61.0	0.0	0.0	0.0	7.7
29	16.2	30.6	23.3	59.0	0.0	0.0	0.0	10.4
30	18.0	30.2	23.3	75.0	0.0	0.0	0.0	8.2
31								
TOTAL PROMEDIO	16.6	27.2	21.7	77.8	109.5	34.2	143.7	142.3

ESTACION: MARACAY

DPTO: QUINDIO

LATITUD : 04° 36'N

AÑO : 1990

MPIO: QUIMBAYA

LONGITUD: 75° 46'W  
ALTITUD : 1450 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.5	28.3	21.1	79.3	0.0	.2	.2	5.6
2	16.8	28.4	21.4	76.3	.2	0.0	.2	5.0
3	16.2	27.6	21.5	77.0	.1	.5	.6	4.2
4	17.0	28.0	21.6	83.0	0.0	1.0	1.0	3.6
5	16.9	26.5	20.9	81.0	4.4	0.0	4.4	2.9
6	14.5	25.8	20.5	79.0	0.0	0.0	0.0	4.3
7	15.8	27.8	21.6	77.3	0.0	.3	.3	6.1
8	16.4	26.7	22.0	75.0	0.0	16.5	16.5	5.8
9	16.5	26.0	21.2	80.7	0.0	23.6	23.6	3.9
10	16.4	23.5	19.5	85.7	4.6	0.0	4.6	2.2
11	15.5	25.7	20.6	82.0	0.0	0.0	0.0	4.3
12	16.5	26.4	21.6	83.3	0.0	0.0	0.0	3.5
13	15.8	27.2	20.5	80.0	.1	0.0	.1	4.9
14	16.3	26.1	20.5	86.7	.3	0.0	.3	4.7
15	16.7	26.4	20.9	80.0	.2	.6	.8	2.8
16	17.2	24.0	19.4	84.7	.5	0.0	.5	3.0
17	17.0	25.5	19.9	83.7	1.5	.3	1.8	4.8
18	15.8	26.0	19.5	83.7	64.0	0.0	64.0	4.8
19	15.6	25.8	19.4	83.3	.6	0.0	.6	7.1
20	13.4	26.3	20.9	78.0	6.4	4.2	10.6	6.8
21	15.8	27.1	18.9	82.7	5.8	.4	6.2	8.7
22	13.5	26.0	20.1	83.3	0.0	0.0	0.0	3.7
23	15.5	27.0	21.6	77.0	0.0	0.0	0.0	6.4
24	17.2	28.5	22.1	79.3	0.0	0.0	0.0	8.1
25	15.6	28.6	22.0	75.7	0.0	0.0	0.0	9.1
26	15.5	26.9	21.3	76.3	0.0	0.0	0.0	6.0
27	15.6	27.8	22.7	65.7	0.0	0.0	0.0	5.3
28	16.4	29.6	23.6	61.3	0.0	0.0	0.0	7.2
29	16.9	29.1	23.6	65.3	0.0	0.0	0.0	9.0
30	17.6	30.1	23.7	57.0	0.0	0.0	0.0	9.5
31	15.1	29.9	23.2	57.7	0.0	0.0	0.0	9.3
TOTAL PROMEDIO	16.0	27.1	21.2	77.5	88.7	47.6	136.3	172.6

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.1	29.1	23.0	60.7	0.0	0.0	0.0	8.8
2	15.7	27.6	22.0	72.7	0.0	0.0	0.0	6.1
3	16.4	28.4	23.0	66.7	0.0	0.0	0.0	6.4
4	16.6	29.7	23.1	64.0	0.0	0.0	0.0	4.2
5	15.7	28.8	23.1	62.3	0.0	0.0	0.0	6.7
6	14.4	30.4	22.7	69.7	0.0	0.0	0.0	9.8
7	16.5	30.0	22.4	77.0	0.0	0.0	0.0	7.7
8	16.6	29.1	22.1	79.7	0.0	0.0	0.0	6.5
9	17.5	31.4	23.6	68.0	0.0	0.0	0.0	8.4
10	17.2	27.4	23.7	62.3	0.0	0.0	0.0	1.3
11	15.7	30.5	23.7	59.7	0.0	0.0	0.0	8.4
12	16.1	30.6	24.0	63.7	0.0	0.0	0.0	9.4
13	17.0	28.0	21.1	75.7	0.0	0.0	0.0	4.1
14	17.2	25.4	19.3	87.0	0.0	0.0	0.0	2.1
15	15.5	27.0	20.8	80.0	.6	0.0	.6	5.4
16	17.4	29.4	22.0	72.7	0.0	0.0	0.0	7.7
17	16.4	31.0	23.4	73.0	0.0	0.0	0.0	7.5
18	17.0	27.8	22.2	78.7	0.0	0.0	0.0	1.4
19	16.5	30.4	24.0	62.0	0.0	0.0	0.0	7.3
20	16.0	28.8	24.1	56.7	0.0	0.0	0.0	6.7
21	17.0	30.1	24.2	52.0	0.0	0.0	0.0	5.8
22	15.0	30.2	24.0	52.7	0.0	0.0	0.0	7.3
23	16.0	31.0	24.3	53.3	0.0	0.0	0.0	7.6
24	15.3	30.6	23.4	63.0	0.0	0.0	0.0	9.8
25	15.5	31.0	21.9	79.0	0.0	0.0	0.0	7.5
26	16.0	27.0	19.6	80.7	3.9	0.0	3.9	3.5
27	15.4	28.0	20.1	78.0	0.0	3.6	3.6	5.3
28	17.6	23.5	19.3	83.0	1.5	0.0	1.5	.5
29	14.7	24.5	20.1	88.7	1.3	0.0	1.3	2.5
30	17.4	27.6	20.0	87.7	1.9	3.6	5.5	4.7
31	16.4	28.0	22.1	72.7	0.0	4.0	4.0	6.9
TOTAL PROMEDIO	16.2	28.8	22.3	70.4	9.2	11.2	20.4	187.3

ESTACION: MARACAY

DPTO: QUINDIO

LATITUD : 04° 36'N

AÑO : 1990

MPIO: QUIMBAYA

LONGITUD: 75° 46'W  
ALTITUD : 1450 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.3	27.2	21.6	75.3	0.0	5.0	5.0	3.9
2	17.4	27.5	21.6	76.0	0.0	3.4	3.4	4.4
3	16.7	27.1	21.0	84.7	0.0	0.0	0.0	3.0
4	15.7	29.1	21.7	75.7	0.0	0.0	0.0	4.1
5	15.4	31.0	23.1	72.0	0.0	0.0	0.0	7.0
6	16.5	25.7	20.4	87.7	15.1	0.0	15.1	3.1
7	16.7	29.5	22.4	73.3	0.0	0.0	0.0	6.4
8	16.5	26.7	20.7	81.7	0.0	0.0	0.0	2.4
9	16.2	28.0	21.3	77.0	0.0	3.0	3.0	3.7
10	16.5	27.3	21.3	80.7	.7	0.0	.7	6.2
11	16.7	26.4	20.6	83.0	.3	0.0	.3	2.8
12	16.8	28.5	20.8	81.0	9.0	0.0	9.0	6.6
13	16.0	30.2	21.5	77.7	.6	1.8	2.4	7.9
14	17.2	25.7	20.3	82.3	.2	0.0	.2	2.2
15	15.0	28.4	21.4	77.0	0.0	0.0	0.0	2.9
16	16.0	27.8	22.0	71.7	0.0	0.0	0.0	7.1
17	16.6	30.4	22.8	69.3	0.0	0.0	0.0	8.5
18	15.8	29.6	21.4	77.7	0.0	0.0	0.0	5.7
19	16.0	29.9	20.7	79.3	21.3	3.4	24.7	5.6
20	17.0	28.5	20.4	76.7	8.3	2.1	10.4	6.3
21	16.2	28.0	20.7	79.0	10.7	32.5	43.2	6.3
22	16.6	23.7	19.6	88.0	1.0	0.0	1.0	.9
23	16.5	25.0	19.4	86.0	0.0	0.0	0.0	2.9
24	14.9	27.1	20.6	79.7	1.0	0.0	1.0	4.5
25	16.0	27.3	21.3	78.0	0.0	0.0	0.0	3.6
26	15.8	27.5	20.2	80.3	5.6	0.0	5.6	4.1
27	15.9	27.0	20.9	81.7	0.0	0.0	0.0	5.1
28	17.8	26.7	22.1	79.0	0.0	0.0	0.0	3.8
29	16.6	27.3	22.5	78.7	0.0	10.0	10.0	5.0
30	15.6	27.5	21.1	79.7	0.0	5.1	5.1	4.6
31								
TOTAL PROMEDIO	16.3	27.7	21.2	79.0	73.8	66.3	140.1	140.6

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.4	25.4	19.5	83.0	.8	34.5	35.3	1.8
2	16.5	23.0	19.4	91.3	.7	0.0	.7	.3
3	16.4	27.0	20.6	87.3	.1	0.0	.1	4.5
4	16.6	27.4	21.6	78.7	0.0	12.2	12.2	4.5
5	16.8	23.0	18.7	84.0	5.1	0.0	5.1	.8
6	16.0	26.8	21.4	77.0	0.0	2.2	2.2	3.8
7	18.0	25.3	19.6	83.3	19.4	23.5	42.9	.6
8	16.0	25.2	19.6	83.0	0.0	0.0	0.0	3.3
9	16.4	26.3	20.1	82.3	6.3	.2	6.5	3.0
10	17.0	24.6	19.7	86.7	2.8	0.0	2.8	3.1
11	16.9	26.2	20.0	82.7	15.8	70.8	86.6	1.6
12	16.4	26.0	20.0	83.3	.7	2.7	3.4	2.5
13	15.8	25.2	19.8	84.7	6.5	6.1	12.6	4.5
14	17.0	26.8	19.6	90.0	17.7	.8	18.5	3.9
15	17.6	25.4	19.9	85.3	.6	0.0	.6	1.4
16	15.7	27.2	20.6	81.3	.2	.5	.7	3.6
17	16.4	25.5	19.7	84.7	0.0	7.1	7.1	3.7
18	15.6	27.1	21.0	78.0	.2	14.3	14.5	5.0
19	17.0	26.4	20.3	80.7	3.5	6.1	9.6	3.6
20	16.1	23.2	19.2	92.7	0.0	2.8	2.8	.7
21	16.6	25.0	19.9	83.7	.2	1.1	1.3	2.2
22	16.5	21.8	17.8	92.7	19.1	1.1	20.2	1.1
23	15.5	25.0	18.9	83.0	.5	0.0	.5	3.6
24	15.7	24.5	20.1	85.0	3.1	0.0	3.1	2.1
25	17.2	28.2	20.6	73.0	0.0	25.7	25.7	4.9
26	15.5	27.5	19.6	76.7	0.0	0.0	0.0	8.1
27	16.0	26.2	21.3	78.0	0.0	3.9	3.9	4.9
28	17.0	27.1	20.6	81.3	1.1	0.0	1.1	4.3
29	17.6	23.8	19.3	91.3	2.2	0.0	2.2	.9
30	16.0	27.5	21.4	81.0	0.0	11.0	11.0	6.3
31	16.8	27.6	20.4	80.7	1.2	31.7	32.9	6.1
TOTAL PROMEDIO	16.5	25.7	20.0	83.4	107.8	258.3	366.1	99.7

ESTACION: MARACAY

DPTO: QUINDIO

LATITUD : 04° 36'N

AÑO : 1990

MPIO: QUIMBAYA

LONGITUD: 75° 46'W

ALTITUD : 1450 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.8	27.2	19.8	85.7	.2	0.0	.2	3.4
2	17.5	24.5	19.0	92.3	1.3	13.4	14.7	1.5
3	17.4	26.9	20.0	86.0	.2	2.9	3.1	2.3
4	16.8	22.0	19.4	91.0	0.0	0.0	0.0	.2
5	17.0	24.6	19.7	86.7	1.1	0.0	1.1	1.0
6	15.5	27.0	20.8	82.3	0.0	0.0	0.0	4.7
7	16.5	28.6	22.0	79.3	0.0	1.5	1.5	6.7
8	16.7	27.8	21.8	77.3	0.0	.3	.3	7.3
9	17.6	27.0	21.0	85.3	19.7	0.0	19.7	2.9
10	16.2	26.6	20.8	82.7	0.0	0.0	0.0	2.4
11	15.0	27.8	21.4	77.3	0.0	0.0	0.0	7.1
12	16.5	27.6	20.6	84.0	5.9	0.0	5.9	6.3
13	17.0	27.8	22.0	78.3	.3	0.0	.3	5.3
14	16.8	28.2	21.5	82.7	1.4	0.0	1.4	5.6
15	17.0	28.4	21.8	83.3	0.0	0.0	0.0	5.8
16	16.5	28.2	22.2	80.0	0.0	33.6	33.6	4.1
17	16.6	27.5	20.5	80.7	7.2	0.0	7.2	2.7
18	17.4	23.8	19.4	86.0	.7	0.0	.7	.3
19	15.4	26.2	20.8	78.3	0.0	0.0	0.0	4.2
20	17.5	28.6	22.3	74.3	.1	4.0	4.1	3.2
21	16.2	21.5	17.6	91.0	17.3	0.0	17.3	.1
22	13.5	24.2	18.7	86.0	0.0	0.0	0.0	2.4
23	15.6	27.4	20.6	81.3	0.0	1.3	1.3	6.0
24	16.5	25.8	20.3	84.3	0.0	0.0	0.0	3.7
25	15.6	28.4	21.1	76.3	0.0	0.0	0.0	5.0
26	16.5	27.0	20.4	80.3	8.1	0.0	8.1	4.3
27	15.0	26.4	20.9	79.3	0.0	0.0	0.0	4.2
28	17.4	25.1	20.6	85.3	.7	0.0	.7	.9
29	17.0	27.2	20.9	81.3	0.0	11.3	11.3	5.0
30	17.5	26.4	21.1	84.0	0.0	0.0	0.0	3.7
31								
TOTAL PROMEDIO	16.5	26.5	20.6	82.8	64.2	68.3	132.5	112.3

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	26.5	20.8	83.0	4.9	.1	5.0	2.4
2	18.0	25.7	19.6	88.0	7.7	2.8	10.5	2.3
3	16.0	25.5	19.8	83.7	.1	7.1	7.2	1.9
4	16.4	24.5	19.8	83.0	12.9	28.1	41.0	1.5
5	16.5	21.2	18.5	92.7	.6	10.4	11.0	.3
6	16.0	25.5	20.1	80.7	0.0	0.0	0.0	4.7
7	16.4	26.4	20.1	83.0	.5	.1	.6	3.8
8	16.5	23.8	18.2	92.7	16.8	.4	17.2	2.2
9	13.5	27.5	19.8	79.3	0.0	0.0	0.0	8.3
10	15.5	28.0	20.4	77.3	0.0	0.0	0.0	8.8
11	16.4	26.8	21.2	78.0	8.0	0.0	8.0	5.2
12	16.0	26.0	20.8	83.3	.4	0.0	.4	5.2
13	15.5	27.0	20.9	80.0	0.0	0.0	0.0	5.2
14	16.8	26.9	20.7	81.3	33.6	0.0	33.6	4.9
15	15.8	30.0	22.0	76.7	0.0	0.0	0.0	6.8
16	15.7	28.5	21.5	83.0	0.0	0.0	0.0	6.6
17	16.4	28.2	21.0	81.3	1.4	0.0	1.4	6.3
18	15.5	28.0	20.4	80.7	6.5	0.0	6.5	6.0
19	16.0	24.4	19.9	86.7	0.0	.2	.2	.4
20	17.0	27.5	21.1	82.7	11.0	.2	11.2	4.6
21	16.0	26.5	20.6	84.3	0.0	0.0	0.0	2.2
22	17.4	24.2	20.6	83.0	.5	0.0	.5	.7
23	17.0	27.2	21.5	81.3	0.0	23.8	23.8	3.3
24	18.0	23.6	20.5	87.7	3.9	7.9	11.8	1.0
25	17.8	26.7	21.1	82.3	.2	0.0	.2	4.0
26	16.5	27.0	20.6	80.7	0.0	0.0	0.0	4.3
27	16.4	23.4	19.0	90.7	0.0	0.0	0.0	0.0
28	17.0	24.4	19.7	85.0	.2	0.0	.2	1.4
29	16.5	26.5	19.5	84.0	15.8	.1	15.9	3.9
30	16.0	26.2	20.6	81.3	0.0	11.4	11.4	2.3
31	16.2	26.8	20.0	82.0	0.0	0.0	0.0	5.1
TOTAL PROMEDIO	16.4	26.1	20.3	83.2	125.0	92.6	217.6	115.6

ESTACION: MARACAY

DPTO: QUINDIO

LATITUD : 04° 36'N

AÑO : 1990

MPIO: QUIMBAYA

LONGITUD: 75° 46'W

ALTITUD : 1450 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	BRILLO SOL(h)
ENERO	16.8	27.1	20.8	15.0	30.6	83.8	92.7	13	119.8
FEBRERO	17.0	26.5	20.9	15.5	29.4	83.5	108.6	18	73.0
MARZO	17.0	27.2	21.2	14.0	31.3	80.6	159.1	17	121.3
ABRIL	17.1	26.4	20.9	15.0	29.3	83.1	376.7	23	104.3
MAYO	17.3	26.1	21.1	15.3	28.6	83.9	82.4	19	104.1
JUNIO	16.6	27.2	21.7	14.5	30.6	77.8	143.7	12	142.3
JULIO	16.0	27.1	21.2	13.4	30.1	77.5	136.3	18	172.6
AGOSTO	16.2	28.8	22.3	14.1	31.4	70.4	20.4	7	187.3
SEPTIEMBRE	16.3	27.7	21.2	14.9	31.0	79.0	140.1	17	140.6
OCTUBRE	16.5	25.7	20.0	15.5	28.2	83.4	366.1	29	99.7
NOVIEMBRE	16.5	26.5	20.6	13.5	28.6	82.8	132.5	19	112.3
DICIEMBRE	16.4	26.1	20.3	13.5	30.0	83.2	217.6	21	115.6
PROMEDIO	16.6	26.9	21.0			80.7			
ABSOLUTA				13.4	31.4				
TOTAL							1976.2	213	1492.9

ESTACION: EL AGRADO

DPTO: QUINDIO

LATITUD : 04° 31'N

ANO : 1990

MPIO: MONTENEGRO

LONGITUD: 75° 47'W  
ALTITUD : 1350 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.6	27.8	20.1	80.7	15.2	1.8	17.0	4.2
2	17.5	28.4	21.7	80.7	0.0	.5	.5	5.7
3	18.0	27.8	20.8	84.3	3.6	0.0	3.6	2.9
4	17.0	29.0	20.1	81.3	14.5	.3	14.8	5.1
5	17.1	24.5	20.2	87.0	0.0	0.0	0.0	0.0
6	17.0	26.0	19.9	85.3	16.5	0.0	16.5	2.4
7	17.2	26.1	20.4	84.7	.8	20.4	21.2	2.4
8	17.5	23.0	19.8	87.7	2.3	0.0	2.3	0.0
9	16.5	27.5	21.1	78.3	0.0	4.5	4.5	4.5
10	17.5	26.9	20.9	81.3	1.5	0.0	1.5	4.0
11	17.6	28.0	21.3	81.7	0.0	0.0	0.0	4.8
12	17.8	24.5	19.1	87.3	18.4	0.0	18.4	0.0
13	15.5	25.5	20.9	81.3	0.0	0.0	0.0	3.3
14	16.0	28.5	20.4	82.0	8.6	0.0	8.6	3.5
15	16.4	28.9	22.8	75.7	0.0	0.0	0.0	6.6
16	16.5	28.5	22.4	80.0	0.0	0.0	0.0	4.6
17	18.0	29.2	22.5	79.0	0.0	0.0	0.0	4.4
18	17.0	29.8	21.7	80.7	2.1	7.5	9.6	7.5
19	18.0	28.0	20.8	82.7	12.9	0.0	12.9	3.6
20	17.5	29.0	22.0	79.7	0.0	0.0	0.0	6.9
21	15.4	28.8	22.2	77.3	0.0	0.0	0.0	5.5
22	17.0	27.5	21.7	79.3	0.0	0.0	0.0	3.4
23	16.0	30.1	22.2	78.0	0.0	0.0	0.0	8.6
24	15.8	29.9	22.7	72.3	0.0	0.0	0.0	6.3
25	15.9	31.7	23.6	72.3	0.0	0.0	0.0	8.5
26	18.0	23.0	20.3	91.7	1.6	.3	1.9	0.0
27	17.0	30.4	22.9	76.3	0.0	0.0	0.0	7.5
28	16.4	29.9	23.0	76.0	0.0	0.0	0.0	6.6
29	15.5	31.0	23.0	73.3	0.0	0.0	0.0	7.4
30	16.0	30.2	23.5	75.0	0.0	0.0	0.0	5.1
31	18.5	29.0	23.1	78.0	0.0	0.0	0.0	.9
TOTAL PROMEDIO	16.9	28.0	21.5	80.4	98.0	35.3	133.3	136.2

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.5	28.5	23.0	76.0	0.0	0.0	0.0	4.9
2	16.8	28.2	21.3	81.7	.2	0.0	.2	1.7
3	17.0	26.4	22.3	79.3	0.0	0.0	0.0	.2
4	17.5	28.4	23.1	74.3	0.0	10.7	10.7	1.3
5	18.0	26.5	20.3	86.0	3.7	3.5	7.2	5.6
6	17.1	27.6	21.1	80.7	0.0	0.0	0.0	2.2
7	16.0	29.4	22.2	76.7	0.0	0.0	0.0	3.4
8	18.0	29.9	21.8	80.7	15.2	20.6	35.8	2.9
9	17.0	28.5	21.8	75.7	0.0	18.8	18.8	4.5
10	18.2	29.0	23.0	79.3	.4	0.0	.4	4.1
11	19.2	27.8	22.6	76.3	0.0	.2	.2	2.1
12	18.8	25.4	21.5	85.0	0.0	3.0	3.0	0.0
13	17.8	23.5	20.7	87.0	.5	0.0	.5	0.0
14	15.0	28.9	22.0	75.3	0.0	0.0	0.0	3.5
15	18.5	29.3	22.5	76.0	0.0	0.0	0.0	4.9
16	18.4	29.4	23.1	73.7	0.0	0.0	0.0	5.0
17	17.0	30.2	21.6	69.3	0.0	0.0	0.0	6.8
18	16.8	24.2	19.3	95.3	6.8	8.0	14.8	2.2
19	16.6	26.0	21.0	78.0	.6	1.1	1.7	1.8
20	17.2	27.4	20.5	79.0	3.6	0.0	3.6	4.8
21	17.1	28.8	21.9	74.7	0.0	0.0	0.0	5.3
22	16.0	27.5	19.8	80.3	.6	.2	.8	1.1
23	16.7	27.6	21.6	72.0	0.0	0.0	0.0	.6
24	17.5	23.2	19.2	91.7	3.7	.9	4.6	.2
25	16.5	27.9	21.3	76.7	0.0	0.0	0.0	4.7
26	17.5	24.1	20.1	81.0	0.0	2.8	2.8	.2
27	17.0	27.2	22.3	73.0	0.0	0.0	0.0	3.7
28	17.5	27.3	22.0	72.7	0.0	.6	.6	2.7
TOTAL PROMEDIO	17.3	27.4	21.5	78.8	35.3	70.4	105.7	75.4



ESTACION: EL AGRADO

DPTO: QUINDIO

LATITUD : 04° 31'N

LONGITUD : 75° 47'W

ANO : 1990

MPIO: MONTENEGRO

ALTITUD : 1350 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.5	27.4	21.2	77.3	1.5	1.1	2.6	4.9
2	16.5	27.5	21.4	77.0	0.0	0.0	0.0	6.6
3	17.5	22.8	18.2	94.3	8.6	0.0	8.6	0.0
4	13.5	25.0	19.6	82.3	0.0	.2	.2	.9
5	17.0	26.1	21.8	81.3	0.0	0.0	0.0	1.1
6	15.0	30.6	20.7	82.0	.7	5.0	5.7	7.0
7	17.8	29.0	22.4	79.7	0.0	0.0	0.0	3.0
8	17.5	31.0	23.5	75.3	0.0	0.0	0.0	7.3
9	17.2	31.2	23.7	73.7	0.0	0.0	0.0	8.2
10	17.3	32.0	23.5	79.7	.2	0.0	.2	6.1
11	18.0	29.5	23.1	76.7	0.0	0.0	0.0	1.5
12	17.5	32.2	24.3	72.0	0.0	0.0	0.0	7.8
13	19.0	32.5	25.4	71.3	0.0	0.0	0.0	6.8
14	18.5	27.1	22.6	83.0	0.0	0.0	0.0	.2
15	19.0	26.5	22.1	85.0	0.0	5.9	5.9	0.0
16	17.1	28.5	22.3	77.3	12.8	0.0	12.8	3.6
17	17.0	30.4	22.7	78.3	.3	25.3	25.6	4.8
18	17.5	25.3	20.1	87.3	0.0	.6	.6	.2
19	16.8	29.9	22.9	77.7	0.0	.1	.1	4.9
20	19.5	29.4	22.7	79.7	0.0	0.0	0.0	2.4
21	19.0	24.0	19.6	88.0	8.5	0.0	8.5	0.0
22	14.0	30.0	22.8	73.7	0.0	0.0	0.0	8.2
23	19.5	26.5	22.5	82.3	0.0	22.1	22.1	1.2
24	17.8	26.4	21.4	85.3	1.5	0.0	1.5	1.1
25	18.0	26.0	20.8	89.7	5.6	1.6	7.2	.5
26	17.0	24.5	19.1	89.3	6.4	13.1	19.5	.2
27	15.0	27.4	21.2	76.3	0.0	0.0	0.0	6.7
28	16.0	29.5	22.7	71.7	0.0	0.0	0.0	6.4
29	16.5	31.0	23.3	72.3	0.0	0.0	0.0	9.5
30	18.0	30.8	23.6	74.0	0.0	0.0	0.0	6.8
31	17.5	30.0	21.7	78.7	43.5	5.5	49.0	4.6
TOTAL PROMEDIO	17.3	28.4	22.0	79.8	89.6	80.5	170.1	122.5

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.2	23.4	19.6	90.0	0.0	0.0	0.0	.7
2	16.0	28.5	22.5	74.7	0.0	0.0	0.0	4.8
3	17.5	28.9	21.3	82.3	0.0	0.0	0.0	4.2
4	17.8	27.8	20.8	84.0	.2	6.2	6.4	3.8
5	18.0	28.0	21.4	84.3	8.5	.1	8.6	2.9
6	18.5	28.1	21.5	82.7	.2	0.0	.2	1.4
7	16.0	28.3	22.3	82.0	0.0	0.0	0.0	4.5
8	16.5	30.2	23.6	76.3	0.0	0.0	0.0	6.4
9	17.5	31.0	22.7	77.0	0.0	0.0	0.0	8.2
10	16.5	31.1	24.4	72.3	0.0	1.8	1.8	8.7
11	18.8	31.5	22.6	80.7	28.1	0.0	28.1	7.1
12	19.5	30.0	23.1	80.7	0.0	0.0	0.0	7.3
13	18.0	29.4	21.7	82.7	4.0	.1	4.1	4.9
14	18.8	27.8	22.6	82.0	0.0	0.0	0.0	1.4
15	18.5	27.2	21.7	85.0	0.0	23.7	23.7	3.2
16	17.0	23.8	19.7	91.3	.6	0.0	.6	.1
17	16.0	29.5	21.6	79.3	0.0	0.0	0.0	6.0
18	17.5	28.8	21.6	80.7	17.5	.3	17.8	5.3
19	18.0	28.4	22.4	83.3	0.0	2.4	2.4	2.5
20	19.0	27.5	21.7	84.3	18.7	19.4	38.1	1.6
21	18.0	25.2	20.3	87.0	1.8	0.0	1.8	.2
22	16.5	29.5	20.8	81.3	.4	56.2	56.6	5.9
23	17.0	25.0	21.1	86.7	0.0	0.0	0.0	0.0
24	18.5	26.0	20.8	85.3	7.4	0.0	7.4	.2
25	18.0	26.1	19.6	90.0	10.9	2.1	13.0	.2
26	16.5	28.6	22.6	79.7	0.0	28.1	28.1	3.8
27	17.0	27.5	21.2	81.3	1.2	8.9	10.1	5.0
28	17.2	26.0	21.7	83.0	2.8	19.7	22.5	2.1
29	17.1	27.0	21.0	84.3	.2	0.0	.2	1.1
30	17.5	25.0	21.0	84.3	.5	12.7	13.2	0.0
31								
TOTAL PROMEDIO	17.6	27.8	21.6	82.6	103.0	181.7	284.7	103.5

ESTACION: EL AGRADO

DPTO: QUINDIO

LATITUD : 04° 31'N

AÑO : 1990

MPIO: MONTENEGRO

LONGITUD: 75° 47'W  
ALTITUD : 1350 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	28.2	21.3	82.0	.4	.9	1.3	4.4
2	15.5	28.5	21.7	82.0	0.0	.6	.6	4.8
3	17.2	28.3	21.9	78.7	.1	0.0	.1	4.6
4	16.8	28.0	21.8	78.7	1.7	6.9	8.6	2.8
5	17.5	28.8	21.9	80.7	0.0	1.2	1.2	3.2
6	18.0	27.5	22.2	84.0	0.0	0.0	0.0	.7
7	17.5	29.8	22.5	80.7	1.2	0.0	1.2	4.8
8	18.5	26.5	22.2	83.7	0.0	0.0	0.0	.1
9	18.0	30.0	21.8	81.7	0.0	0.0	0.0	4.9
10	18.1	28.5	21.8	80.7	.3	.6	.9	2.5
11	18.5	28.6	21.7	80.7	0.0	0.0	0.0	3.4
12	16.5	25.6	21.0	87.7	1.6	.1	1.7	.1
13	18.5	26.5	20.8	85.3	2.2	25.9	28.1	3.7
14	18.0	28.0	22.9	83.0	0.0	0.0	0.0	3.7
15	17.5	28.5	21.6	80.7	.5	0.0	.5	2.9
16	18.0	31.0	22.3	80.0	7.8	0.0	7.8	5.8
17	18.3	27.8	22.6	82.7	0.0	0.0	0.0	1.2
18	18.5	29.8	24.0	75.0	0.0	0.0	0.0	6.7
19	18.4	29.2	23.7	80.7	0.0	0.0	0.0	4.7
20	17.8	29.1	24.2	79.7	0.0	0.0	0.0	3.3
21	18.8	28.0	23.2	83.0	0.0	0.0	0.0	0.0
22	19.0	29.4	23.2	80.3	.2	0.0	.2	1.7
23	18.0	28.5	22.6	81.0	2.9	2.0	4.9	1.8
24	18.8	28.0	21.1	84.7	1.4	0.0	1.4	1.6
25	18.4	28.2	22.1	82.3	0.0	0.0	0.0	0.0
26	18.5	28.8	22.4	79.7	.6	0.0	.6	4.8
27	17.8	27.5	21.7	79.3	.9	5.2	6.1	1.7
28	17.0	28.0	22.2	79.7	.1	0.0	.1	4.5
29	18.2	24.0	20.1	87.7	5.5	0.0	5.5	.1
30	16.5	27.0	21.6	81.0	0.0	0.0	0.0	2.0
31	18.0	27.2	21.8	80.7	.9	0.0	.9	2.1
TOTAL PROMEDIO	17.8	28.2	22.1	81.5	28.3	43.4	71.7	85.6

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.5	28.0	19.7	82.3	1.8	0.0	1.8	3.4
2	14.5	28.1	21.2	81.0	0.0	0.0	0.0	6.3
3	16.2	28.8	22.7	75.0	0.0	0.0	0.0	4.9
4	17.4	27.5	21.2	84.3	1.2	0.0	1.2	1.7
5	17.5	29.0	23.3	77.7	0.0	0.0	0.0	6.0
6	18.0	31.8	23.9	74.3	0.0	0.0	0.0	7.8
7	15.5	30.0	23.0	77.7	0.0	0.0	0.0	4.3
8	16.5	27.2	21.9	78.7	0.0	0.0	0.0	0.0
9	17.5	26.4	21.1	82.3	3.9	6.3	10.2	0.0
10	18.2	24.0	19.6	93.0	3.2	3.1	6.3	.2
11	17.8	25.2	21.7	86.3	0.0	0.0	0.0	0.0
12	18.0	28.4	21.7	81.7	.3	0.0	.3	3.6
13	15.0	27.2	21.1	80.7	0.0	14.8	14.8	1.5
14	17.2	28.2	21.4	78.7	29.9	9.2	39.1	2.9
15	16.0	29.4	20.7	82.7	1.9	4.4	6.3	5.2
16	18.0	28.5	22.4	82.3	0.0	0.0	0.0	4.1
17	17.5	30.0	24.0	75.3	0.0	0.0	0.0	7.8
18	16.0	30.3	23.2	74.0	0.0	0.0	0.0	8.2
19	17.0	31.2	23.9	75.3	0.0	0.0	0.0	7.5
20	17.2	32.4	23.6	67.7	0.0	0.0	0.0	4.5
21	17.0	30.8	23.3	73.3	0.0	0.0	0.0	5.2
22	17.5	29.0	22.2	76.3	2.2	0.0	2.2	3.1
23	16.5	28.2	21.0	83.3	15.4	0.0	15.4	2.0
24	17.5	28.0	20.7	84.7	.6	0.0	.6	1.8
25	16.5	28.5	21.6	81.3	.8	0.0	.8	4.8
26	17.0	29.5	22.9	78.0	0.0	0.0	0.0	5.3
27	17.5	27.0	22.0	82.3	0.0	0.0	0.0	0.0
28	17.2	31.2	24.0	69.7	0.0	0.0	0.0	7.3
29	16.2	32.0	24.1	61.7	0.0	0.0	0.0	9.6
30	17.5	31.8	24.1	73.7	0.0	0.0	0.0	6.2
31								
TOTAL PROMEDIO	16.9	28.9	22.2	78.5	61.2	37.8	99.0	125.2

ESTACION: EL AGRADO

DPTO: QUINDIO

LATITUD : 04° 31'N

AÑO : 1990

MPIO: MONTENEGRO

LONGITUD: 75° 47'W  
ALTITUD : 1350 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.5	30.0	21.8	79.3	1.3	.1	1.4	3.4
2	17.6	30.2	23.4	67.7	0.0	0.0	0.0	5.9
3	16.5	29.5	23.3	72.0	0.0	0.0	0.0	4.2
4	17.8	29.4	20.7	79.3	28.8	.7	29.5	2.9
5	17.5	27.8	23.3	84.0	.6	.1	.7	2.9
6	15.0	27.7	21.4	80.7	0.0	0.0	0.0	4.9
7	16.0	30.0	22.3	77.0	2.3	22.3	24.6	5.7
8	16.5	28.8	22.7	74.7	0.0	27.4	27.4	6.7
9	17.2	27.2	22.0	77.0	.1	26.9	27.0	4.4
10	16.5	26.0	20.6	83.7	4.3	0.0	4.3	3.5
11	16.2	27.7	21.8	77.3	0.0	0.0	0.0	5.1
12	17.0	28.5	22.8	79.7	0.0	0.0	0.0	2.6
13	17.2	29.0	22.0	77.3	0.0	0.0	0.0	3.5
14	16.5	27.8	21.2	76.7	0.0	0.0	0.0	4.9
15	16.8	27.5	22.2	78.0	.2	0.0	.2	2.8
16	17.0	27.0	21.2	83.3	.2	0.0	.2	3.5
17	18.8	26.5	20.2	88.7	2.7	0.0	2.7	3.5
18	17.0	27.8	20.7	78.7	0.0	15.4	15.4	3.1
19	16.8	27.7	21.4	79.7	0.0	0.0	0.0	5.3
20	14.5	29.0	22.4	74.0	0.0	8.0	8.0	9.0
21	16.5	28.8	19.7	79.3	26.5	0.0	26.5	7.2
22	14.5	28.0	21.7	79.3	0.0	0.0	0.0	4.6
23	16.5	28.2	22.3	78.7	.1	0.0	.1	5.3
24	17.9	29.9	23.3	76.3	0.0	0.0	0.0	6.2
25	16.0	30.0	22.9	74.0	0.0	0.0	0.0	9.3
26	15.8	28.7	22.4	71.7	0.0	0.0	0.0	5.7
27	16.4	28.8	22.8	77.0	0.0	0.0	0.0	4.2
28	16.5	30.5	24.1	61.7	0.0	0.0	0.0	8.6
29	15.8	31.0	23.4	73.3	0.0	.1	.1	6.7
30	18.5	32.1	24.7	58.0	0.0	0.0	0.0	9.1
31	15.5	31.0	23.4	57.3	0.0	0.0	0.0	9.0
TOTAL PROMEDIO	16.6	28.8	22.2	76.0	67.1	101.0	168.1	163.7

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.0	30.5	24.1	60.7	0.0	0.0	0.0	9.5
2	16.0	29.8	23.4	69.0	0.0	0.0	0.0	6.6
3	16.5	29.9	23.1	63.3	0.0	0.0	0.0	6.6
4	17.0	30.4	23.7	68.0	0.0	0.0	0.0	6.3
5	15.8	29.8	23.0	73.0	0.0	0.0	0.0	6.0
6	14.7	31.8	23.7	69.0	0.0	0.0	0.0	8.9
7	16.8	31.6	23.2	73.3	0.0	0.0	0.0	7.1
8	17.2	30.3	23.6	71.7	0.0	0.0	0.0	5.6
9	17.5	32.3	24.3	69.3	0.0	0.0	0.0	7.8
10	17.0	28.6	23.9	63.3	0.0	0.0	0.0	1.7
11	16.0	31.2	23.8	59.3	0.0	0.0	0.0	8.7
12	15.6	31.3	24.0	67.0	0.0	0.0	0.0	7.8
13	18.0	30.4	23.2	74.3	.2	0.0	.2	3.1
14	18.2	28.6	21.6	78.0	0.0	0.0	0.0	2.6
15	15.8	29.8	23.3	72.0	0.0	0.0	0.0	6.8
16	17.8	31.8	24.0	68.7	0.0	0.0	0.0	8.7
17	16.5	33.1	24.1	71.0	0.0	0.0	0.0	7.8
18	17.5	29.2	22.9	78.7	0.0	0.0	0.0	1.2
19	16.5	31.8	24.8	66.0	0.0	0.0	0.0	8.0
20	16.3	31.0	24.4	60.3	0.0	0.0	0.0	6.3
21	17.5	32.4	25.3	52.0	0.0	0.0	0.0	5.4
22	16.6	31.6	24.6	62.0	0.0	0.0	0.0	7.1
23	15.0	32.4	24.6	60.3	0.0	0.0	0.0	7.8
24	15.9	32.2	24.0	64.0	0.0	0.0	0.0	8.3
25	15.0	32.0	23.7	68.7	.9	.1	1.0	7.6
26	17.5	28.7	20.3	81.7	23.2	0.0	23.2	2.8
27	15.5	30.1	20.7	80.0	10.5	.6	11.1	7.1
28	17.8	24.2	19.9	85.3	3.0	0.0	3.0	.1
29	15.0	25.8	20.5	83.0	1.3	0.0	1.3	2.9
30	17.0	29.4	21.2	83.3	.7	.1	.8	4.3
31	17.2	29.2	23.2	71.3	0.0	0.0	0.0	7.2
TOTAL PROMEDIO	16.5	30.4	23.2	69.9	39.8	.8	40.6	187.7

ESTACION: EL AGRADO

DPTO: QUINDIO

LATITUD : 04° 31'N

ANO : 1990

MPIO: MONTENEGRO

LONGITUD: 75° 47'W

ALTITUD : 1350 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	29.2	22.9	73.0	0.0	1.2	1.2	5.9
2	17.5	29.1	21.8	77.0	0.0	0.0	0.0	4.9
3	17.4	29.2	22.2	77.0	0.0	0.0	0.0	3.1
4	15.5	30.9	22.5	74.0	0.0	0.0	0.0	4.5
5	15.8	33.2	23.4	71.0	0.0	0.0	0.0	8.3
6	16.9	28.4	23.0	70.0	0.0	0.0	0.0	3.7
7	17.2	30.6	23.6	71.7	0.0	0.0	0.0	5.9
8	16.5	29.8	23.0	73.7	0.0	0.0	0.0	4.6
9	16.8	30.4	20.4	80.0	13.2	1.3	14.5	6.2
10	16.2	29.5	22.1	77.3	0.0	0.0	0.0	5.9
11	17.4	28.7	22.3	77.7	0.0	1.4	1.4	2.7
12	18.0	31.0	21.1	80.3	11.6	.5	12.1	7.0
13	17.0	30.8	22.7	73.0	2.9	1.1	4.0	8.7
14	17.5	27.0	21.2	80.7	.3	0.0	.3	2.0
15	15.0	29.7	22.4	76.3	0.0	0.0	0.0	2.2
16	16.0	30.4	22.6	72.3	0.0	0.0	0.0	4.5
17	15.0	31.9	24.2	67.7	0.0	0.0	0.0	9.4
18	15.8	29.9	22.8	72.7	0.0	0.0	0.0	2.7
19	17.0	31.5	21.3	78.3	.6	4.0	4.6	4.6
20	17.5	30.1	22.3	73.3	0.0	0.0	0.0	5.9
21	17.0	29.7	21.3	79.0	.9	22.4	23.3	5.3
22	17.1	25.5	20.9	82.3	2.4	0.0	2.4	.7
23	17.2	25.6	19.6	89.3	3.5	0.0	3.5	2.2
24	15.2	29.4	22.5	75.7	0.0	0.0	0.0	6.0
25	17.0	30.4	21.6	78.7	12.4	0.0	12.4	4.8
26	15.5	29.4	20.7	80.3	.6	1.3	1.9	4.6
27	17.0	28.5	21.5	81.0	0.0	0.0	0.0	4.9
28	18.0	28.2	22.9	76.7	0.0	0.0	0.0	3.1
29	17.5	29.2	23.6	72.0	0.0	.8	.8	4.3
30	16.0	29.5	22.8	73.7	3.7	7.8	11.5	5.4
31								
TOTAL PROMEDIO	16.7	29.6	22.1	76.2	52.1	41.8	93.9	144.0

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	26.9	20.4	88.0	11.2	21.6	32.8	3.5
2	17.5	24.2	20.6	85.3	.6	0.0	.6	.3
3	18.0	27.8	22.2	79.7	0.0	0.0	0.0	4.4
4	17.5	30.0	22.1	77.0	0.0	30.6	30.6	4.3
5	17.2	23.4	19.4	88.0	4.9	0.0	4.9	.4
6	17.0	27.5	22.0	76.0	0.0	0.0	0.0	4.2
7	18.5	26.7	20.3	84.0	15.6	12.8	28.4	1.1
8	16.7	27.8	21.1	82.0	.5	0.0	.5	3.7
9	16.8	28.0	20.9	78.7	2.2	1.9	4.1	4.0
10	17.5	25.5	21.2	85.7	35.1	.7	35.8	2.4
11	17.0	28.0	21.0	79.7	.6	19.2	19.8	2.7
12	17.5	26.9	20.8	79.0	0.0	2.8	2.8	2.6
13	16.0	27.5	21.7	82.0	.5	.1	.6	5.4
14	17.0	27.6	21.1	83.3	.2	.6	.8	3.8
15	18.0	26.9	21.3	82.0	.1	.1	.2	1.2
16	17.0	28.8	21.8	77.7	.5	5.5	6.0	4.2
17	17.5	27.2	21.1	79.3	0.0	0.0	0.0	4.4
18	17.0	29.5	21.8	78.0	.9	14.4	15.3	5.2
19	17.2	28.3	21.4	78.7	3.4	19.3	22.7	5.9
20	17.0	24.8	20.6	84.0	.1	2.0	2.1	0.0
21	17.4	28.0	20.8	83.0	2.5	0.0	2.5	2.9
22	17.5	23.2	19.3	85.3	17.2	0.0	17.2	0.0
23	16.3	27.3	20.1	82.3	.5	1.9	2.4	3.2
24	16.5	26.2	21.4	81.7	.8	0.0	.8	1.8
25	17.5	29.5	22.5	78.0	0.0	20.5	20.5	4.7
26	16.0	28.8	20.7	76.0	0.0	0.0	0.0	7.4
27	15.0	28.6	21.4	80.7	0.0	.2	.2	5.6
28	17.5	27.5	21.4	67.7	.2	0.0	.2	2.3
29	17.2	26.0	20.7	85.3	0.0	0.0	0.0	2.2
30	16.6	28.9	22.5	71.3	0.0	.2	.2	5.8
31	17.8	28.8	21.1	81.0	2.1	13.1	15.2	5.2
TOTAL PROMEDIO	17.1	27.3	21.1	80.7	99.7	167.5	267.2	104.8

ESTACION: EL AGRADO

DPTO: QUINDIO

LATITUD : 04° 31'N

ANO : 1990

MPIO: MONTENEGRO

LONGITUD: 75° 47'W

ALTITUD : 1350 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.5	27.2	21.3	80.3	0.0	0.0	0.0	5.5
2	17.4	25.5	20.6	86.7	.2	1.9	2.1	1.1
3	18.0	27.5	20.2	84.7	1.3	.4	1.7	1.5
4	17.5	24.0	20.4	86.0	2.5	0.0	2.5	.1
5	17.0	28.2	20.6	84.0	.7	0.0	.7	3.4
6	16.0	29.1	21.9	77.3	0.0	0.0	0.0	5.2
7	16.5	30.6	23.2	73.0	0.0	0.0	0.0	7.4
8	17.4	29.8	22.9	75.3	0.0	65.6	65.6	7.0
9	18.0	28.3	22.4	79.3	0.0	0.0	0.0	3.7
10	19.0	28.9	21.7	80.0	0.0	0.0	0.0	2.7
11	15.0	30.1	22.7	73.0	0.0	0.0	0.0	7.1
12	17.4	28.2	21.4	82.0	0.0	0.0	0.0	6.0
13	18.4	30.1	23.3	74.7	0.0	0.0	0.0	6.0
14	17.5	30.8	23.2	78.0	.1	4.7	4.8	7.1
15	18.0	29.8	22.8	81.0	0.0	0.0	0.0	3.6
16	17.0	29.9	23.1	77.3	0.0	11.7	11.7	4.3
17	17.5	27.2	21.6	84.0	1.1	0.0	1.1	3.7
18	17.4	26.8	21.1	84.7	0.0	0.0	0.0	.5
19	15.8	28.2	21.9	80.7	0.0	0.0	0.0	4.1
20	18.4	29.1	22.1	81.3	45.3	8.2	53.5	3.5
21	17.9	22.3	18.0	92.3	10.6	0.0	10.6	0.0
22	14.0	24.2	19.4	85.7	0.0	0.0	0.0	1.0
23	15.5	28.6	21.8	76.7	0.0	.7	.7	7.0
24	17.5	26.4	20.5	84.0	0.0	0.0	0.0	1.7
25	15.5	29.8	21.5	76.7	0.0	0.0	0.0	8.5
26	16.0	29.9	22.1	79.3	0.0	0.0	0.0	6.1
27	15.4	29.0	22.1	79.3	2.8	0.0	2.8	2.9
28	17.6	27.2	21.3	83.3	6.1	.3	6.4	1.2
29	17.8	28.4	22.0	79.3	1.2	3.3	4.5	6.1
30	18.2	27.8	21.9	80.7	0.0	0.0	0.0	2.8
31								
TOTAL PROMEDIO	17.1	28.1	21.6	80.7	71.9	96.8	168.7	120.8

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	27.4	21.2	83.7	.6	.3	.9	3.5
2	17.8	27.1	20.6	82.7	19.4	0.0	19.4	0.0
3	16.8	26.2	21.0	83.7	0.0	.1	.1	1.1
4	17.5	27.2	21.3	80.7	0.0	22.8	22.8	2.3
5	17.6	23.2	19.5	88.0	2.1	10.9	13.0	2.2
6	17.0	26.8	20.9	82.0	0.0	0.0	0.0	3.7
7	16.2	28.8	20.8	79.0	.4	0.0	.4	5.5
8	16.0	26.5	19.6	84.0	5.3	.4	5.7	2.2
9	14.0	28.8	20.7	78.0	0.0	8.8	8.8	8.4
10	15.8	29.8	21.5	76.7	0.0	0.0	0.0	8.9
11	16.0	30.1	21.7	76.3	0.0	0.0	0.0	6.9
12	16.8	28.2	22.8	74.0	0.0	0.0	0.0	5.2
13	16.4	28.8	22.2	76.0	0.0	0.0	0.0	5.1
14	16.8	29.8	21.8	81.3	.4	0.0	.4	5.1
15	16.0	30.8	23.0	76.7	0.0	0.0	0.0	8.3
16	15.8	30.4	22.9	75.3	0.0	0.0	0.0	7.0
17	16.4	31.2	21.5	78.7	39.8	0.0	39.8	7.1
18	16.3	30.1	22.2	79.3	0.0	0.0	0.0	6.9
19	16.5	27.1	21.7	81.7	0.0	0.0	0.0	0.0
20	18.2	30.5	23.6	73.3	0.0	0.0	0.0	6.8
21	16.5	27.8	21.9	79.3	0.0	0.0	0.0	.9
22	17.5	26.6	20.9	79.7	.2	0.0	.2	.1
23	17.0	28.9	22.6	77.0	0.0	15.6	15.6	4.1
24	18.0	25.2	21.3	85.3	.5	8.8	9.3	.7
25	18.5	29.0	21.3	82.0	11.2	0.0	11.2	3.6
26	17.0	29.8	20.9	82.7	23.7	0.0	23.7	4.2
27	18.0	24.4	20.1	88.0	.1	0.0	.1	0.0
28	16.5	26.0	20.1	85.0	.3	0.0	.3	.4
29	17.0	28.8	19.9	82.7	23.5	0.0	23.5	5.4
30	16.5	28.2	21.1	79.3	0.0	26.0	26.0	2.9
31	16.4	27.9	21.0	80.0	0.0	0.0	0.0	4.2
TOTAL PROMEDIO	16.8	28.1	21.3	80.4	127.5	93.7	221.2	120.7

ESTACION: EL AGRADO

DPTO: QUINDIO

LATITUD : 04° 31'N

AÑO : 1990

MPIO: MONTENEGRO

LONGITUD: 75° 47'W

ALTITUD : 1350 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	16.9	28.0	21.5	15.4	31.7	80.4	133.3	14	136.2
FEBRERO	17.3	27.4	21.5	15.0	30.2	78.8	105.7	16	75.4
MARZO	17.3	28.4	22.0	13.5	32.5	79.8	170.1	16	122.5
ABRIL	17.6	27.8	21.6	16.0	31.5	82.6	284.7	20	103.5
MAYO	17.8	28.2	22.1	15.5	31.0	81.5	71.7	19	85.6
JUNIO	16.9	28.9	22.2	14.5	32.4	78.5	99.0	12	125.2
JULIO	16.6	28.8	22.2	14.5	32.1	76.0	168.1	15	163.7
AGOSTO	16.5	30.4	23.2	14.0	33.1	69.9	40.6	7	187.7
SEPTIEMBRE	16.7	29.6	22.1	15.0	33.2	76.2	93.9	14	144.0
OCTUBRE	17.1	27.3	21.1	15.0	30.0	80.7	267.2	26	104.8
NOVIEMBRE	17.1	28.1	21.6	14.0	30.8	80.7	168.7	14	120.8
DICIEMBRE	16.8	28.1	21.3	14.0	31.2	80.4	221.2	19	120.7
PROMEDIO	17.0	28.4	21.9			78.8			
ABSOLUTA				13.5	33.2				
TOTAL							1824.2	192	1490.1

ESTACION: LA BELLA

DPTO: QUINDIO

LATITUD : 04° 30'N

ANO : 1990

MPIO: CALARCA

LONGITUD: 75° 40'W

ALTITUD : 1450 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.5	25.2	19.2	82.7	2.3	4.9	7.2	3.0
2	16.8	25.0	20.1	82.3	0.0	.8	.8	3.2
3	17.0	25.1	20.8	80.0	0.0	0.0	0.0	3.2
4	16.4	26.0	20.8	84.7	2.2	0.0	2.2	4.0
5	16.5	22.5	19.4	86.7	0.0	0.0	0.0	.2
6	16.3	23.0	18.9	86.3	.8	0.0	.8	.9
7	17.0	23.5	19.5	86.0	10.0	3.4	13.4	1.2
8	16.5	21.5	18.7	86.7	1.4	0.0	1.4	0.0
9	15.5	24.2	18.9	82.7	.6	16.6	17.2	3.2
10	16.8	24.5	19.1	85.7	.7	0.0	.7	2.6
11	16.5	24.7	19.7	82.7	.8	0.0	.8	4.6
12	17.0	22.0	18.2	89.3	10.6	.1	10.7	.7
13	14.5	24.0	18.9	87.3	0.0	0.0	0.0	1.7
14	15.5	25.4	20.3	79.7	0.0	0.0	0.0	3.4
15	16.8	25.5	20.4	82.0	0.0	0.0	0.0	4.0
16	16.0	25.4	20.7	79.3	0.0	0.0	0.0	3.5
17	17.0	26.5	21.1	80.7	0.0	0.0	0.0	4.5
18	15.4	27.5	20.8	81.7	0.0	.3	.3	5.4
19	17.4	26.3	20.0	83.0	19.8	0.0	19.8	4.7
20	16.5	26.5	21.3	81.3	0.0	0.0	0.0	6.4
21	15.5	26.2	21.1	76.3	0.0	0.0	0.0	4.7
22	17.5	25.0	20.5	84.3	0.0	0.0	0.0	1.7
23	16.0	27.2	21.5	77.3	0.0	0.0	0.0	7.3
24	15.5	28.0	21.3	79.3	0.0	0.0	0.0	5.0
25	15.0	28.6	21.8	75.7	0.0	0.0	0.0	7.7
26	18.0	21.0	19.2	94.0	.7	1.1	1.8	0.0
27	16.4	27.0	21.1	78.0	0.0	0.0	0.0	5.9
28	16.5	27.5	21.5	76.0	0.0	0.0	0.0	5.0
29	15.5	28.5	22.3	73.3	0.0	0.0	0.0	6.0
30	15.7	27.0	22.1	78.7	0.0	0.0	0.0	4.8
31	18.0	26.5	22.3	84.0	0.0	0.0	0.0	1.0
TOTAL PROMEDIO	16.3	25.4	20.4	82.2	49.9	27.2	77.1	109.5

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	26.7	22.4	76.3	0.0	0.0	0.0	3.5
2	15.8	26.2	20.3	82.7	11.5	0.0	11.5	2.8
3	17.5	25.0	21.4	80.7	0.0	0.0	0.0	.5
4	18.0	25.5	20.8	84.3	.4	3.8	4.2	.6
5	17.0	20.5	18.3	95.3	3.8	4.3	8.1	0.0
6	16.0	24.0	19.8	85.7	0.0	0.0	0.0	1.4
7	15.5	26.5	21.6	79.7	0.0	0.0	0.0	2.5
8	17.2	26.8	21.6	79.3	0.0	32.5	32.5	3.2
9	17.0	26.2	21.2	80.7	.7	1.4	2.1	3.7
10	18.0	25.8	21.7	79.0	0.0	25.0	25.0	2.1
11	17.8	25.0	21.2	82.3	.9	.9	1.8	.7
12	17.7	23.5	20.5	83.3	0.0	0.0	0.0	0.0
13	17.0	24.0	20.3	83.3	8.9	0.0	8.9	0.0
14	15.0	26.6	20.7	78.0	0.0	0.0	0.0	3.7
15	18.0	26.7	21.9	77.7	0.0	5.6	5.6	4.8
16	17.8	27.0	21.6	75.0	0.0	.3	.3	4.8
17	16.0	27.5	19.6	77.0	17.2	.2	17.4	7.4
18	16.8	24.0	19.1	85.7	4.0	6.9	10.9	2.4
19	16.4	23.5	19.8	83.3	1.3	8.9	10.2	.5
20	15.5	24.4	19.7	82.7	2.5	0.0	2.5	2.8
21	16.0	26.0	20.6	78.0	0.0	0.0	0.0	4.7
22	15.8	25.5	18.7	83.0	44.2	0.0	44.2	1.3
23	16.0	24.2	20.3	82.0	0.0	0.0	0.0	1.6
24	17.0	21.2	18.3	89.3	0.0	24.6	24.6	.3
25	16.2	25.0	20.0	79.3	2.6	6.2	8.8	4.3
26	16.0	22.0	19.3	82.0	9.9	1.0	10.9	.5
27	15.5	24.5	20.6	78.7	.5	1.9	2.4	3.1
28	17.0	24.7	19.8	79.0	1.0	0.0	1.0	1.0
29								
30								
31								
TOTAL PROMEDIO	16.7	24.9	20.4	81.5	109.4	123.5	232.9	64.2

ESTACION: LA BELLA

DPTO: QUINDIO

LATITUD : 04° 30'N

ANO : 1990

MPIO: CALARCA

LONGITUD : 75° 40'W

ALTITUD : 1450 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	25.0	19.1	85.0	22.7	.4	23.1	3.7
2	16.0	25.6	19.6	80.0	.7	0.0	.7	6.4
3	17.0	20.5	17.5	89.3	0.0	0.0	0.0	0.0
4	13.6	23.5	19.0	81.0	0.0	1.9	1.9	2.6
5	16.5	24.0	20.6	82.0	0.0	0.0	0.0	1.3
6	15.0	26.8	20.2	81.3	.2	.1	.3	6.3
7	17.4	26.0	21.7	80.7	0.0	0.0	0.0	1.3
8	17.5	28.6	22.3	77.7	0.0	0.0	0.0	6.2
9	17.0	29.5	22.9	73.3	0.0	0.0	0.0	5.0
10	17.2	30.2	22.2	78.3	0.0	0.0	0.0	5.6
11	17.6	27.5	23.6	67.0	0.0	0.0	0.0	2.7
12	17.5	28.5	23.1	70.7	0.0	0.0	0.0	6.8
13	18.0	29.5	24.2	67.0	0.0	0.0	0.0	6.7
14	17.0	24.5	21.4	84.0	0.0	0.0	0.0	.7
15	17.8	23.8	20.9	86.0	0.0	1.2	1.2	.1
16	17.5	26.6	21.3	79.0	0.0	0.0	0.0	1.7
17	17.0	28.0	21.2	81.7	1.4	9.3	10.7	4.2
18	17.2	23.0	19.3	90.7	0.0	.4	.4	0.0
19	16.0	26.7	20.6	82.7	0.0	0.0	0.0	4.4
20	18.2	25.6	21.3	81.7	3.4	0.0	3.4	1.7
21	18.0	21.7	18.5	90.3	21.0	0.0	21.0	0.0
22	14.0	27.0	22.4	74.7	0.0	0.0	0.0	7.9
23	18.0	25.0	20.9	82.3	6.8	34.3	41.1	1.3
24	17.2	22.6	19.6	90.3	.4	3.2	3.6	.1
25	17.0	23.2	19.4	92.7	2.4	1.8	4.2	2.0
26	16.0	22.5	17.8	94.0	10.8	.5	11.3	.9
27	14.5	25.0	20.0	76.0	0.0	0.0	0.0	6.9
28	16.0	26.7	20.5	71.3	0.0	0.0	0.0	5.5
29	15.9	28.2	22.5	74.0	0.0	0.0	0.0	7.0
30	18.0	28.1	23.1	71.3	0.0	0.0	0.0	5.2
31	17.0	25.5	20.6	81.3	2.9	18.7	21.6	3.6
TOTAL PROMEDIO	16.8	25.8	20.9	80.6	72.7	71.8	144.5	107.8

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	19.6	18.1	93.0	1.6	0.0	1.6	0.0
2	14.5	25.0	21.1	78.3	0.0	0.0	0.0	3.6
3	17.0	24.6	19.8	83.3	9.3	0.0	9.3	3.1
4	16.5	25.5	19.7	81.3	.4	0.0	.4	3.7
5	17.0	24.5	20.5	86.0	0.0	0.0	0.0	1.2
6	18.0	24.7	20.6	83.0	.3	0.0	.3	.9
7	16.2	25.5	20.9	81.7	0.0	0.0	0.0	4.0
8	16.5	27.0	22.4	72.7	0.0	0.0	0.0	6.0
9	17.0	27.4	21.6	77.3	0.0	0.0	0.0	8.6
10	16.0	28.5	22.2	77.3	0.0	0.0	0.0	7.1
11	18.0	28.6	22.0	77.7	0.0	0.0	0.0	5.5
12	19.0	27.6	21.7	80.7	4.2	0.0	4.2	4.8
13	17.5	27.0	21.2	85.0	3.3	.5	3.8	4.8
14	18.5	25.2	21.1	86.7	.1	.1	.2	1.5
15	18.0	26.0	20.9	85.3	.9	5.2	6.1	2.3
16	16.5	21.2	19.0	88.7	0.0	0.0	0.0	.1
17	15.0	27.0	20.1	84.0	3.1	0.0	3.1	3.9
18	16.5	25.5	20.0	80.3	2.7	.2	2.9	4.2
19	17.0	25.4	20.8	83.0	0.0	0.0	0.0	3.1
20	18.0	24.6	20.0	92.3	.2	7.5	7.7	2.1
21	17.0	22.5	18.5	92.0	2.1	0.0	2.1	1.2
22	16.0	26.5	19.9	82.7	3.5	2.4	5.9	5.2
23	17.6	24.5	19.7	88.3	1.3	0.0	1.3	.4
24	17.0	23.4	19.4	86.0	1.9	.2	2.1	.1
25	16.8	23.5	19.3	88.7	3.6	6.3	9.9	.7
26	16.4	25.0	20.7	84.7	0.0	46.1	46.1	2.5
27	16.0	24.0	19.4	88.3	.9	61.1	62.0	4.5
28	16.2	24.2	19.9	88.0	3.9	36.9	40.8	1.5
29	16.0	23.0	19.4	88.0	.1	0.0	.1	.9
30	16.0	23.6	19.6	86.0	20.6	14.3	34.9	.7
31								
TOTAL PROMEDIO	16.8	25.0	20.3	84.3	64.0	180.8	244.8	88.2



ESTACION: LA BELLA

DPTO: QUINDIO

LATITUD : 04° 30'N

AÑO : 1990

MPIO: CALARCA

LONGITUD: 75° 40'W  
ALTITUD : 1450 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.2	26.2	19.8	83.7	.3	2.7	3.0	5.0
2	15.5	26.0	20.6	83.0	0.0	.9	.9	4.3
3	16.5	25.0	19.6	80.7	0.0	1.6	1.6	3.2
4	15.7	23.8	19.5	88.0	.4	8.0	8.4	1.9
5	16.5	24.5	21.0	78.7	0.0	1.7	1.7	3.2
6	17.0	24.3	20.6	85.3	0.0	0.0	0.0	2.6
7	17.5	27.8	21.6	78.3	0.0	0.0	0.0	3.7
8	17.4	24.2	20.9	86.0	0.0	0.0	0.0	1.1
9	17.0	25.2	21.0	78.7	0.0	0.0	0.0	4.0
10	16.8	24.5	20.1	81.7	6.8	1.5	8.3	2.2
11	17.5	25.1	19.9	84.3	7.9	0.0	7.9	1.8
12	15.5	23.4	20.0	84.7	1.5	0.0	1.5	1.9
13	17.0	23.5	19.6	86.0	.1	.5	.6	.2
14	17.1	25.0	20.9	78.7	0.0	1.0	1.0	2.9
15	16.5	25.1	20.9	80.7	2.1	0.0	2.1	4.0
16	17.0	28.0	21.8	78.0	.2	0.0	.2	7.7
17	17.5	25.2	21.8	79.0	0.0	0.0	0.0	2.6
18	18.0	25.6	22.0	78.7	0.0	0.0	0.0	4.1
19	17.5	27.1	22.6	78.0	0.0	0.0	0.0	6.2
20	18.0	26.2	22.5	79.7	0.0	0.0	0.0	4.9
21	18.0	24.2	21.3	85.7	0.0	0.0	0.0	0.0
22	18.2	26.0	21.7	81.7	0.0	0.0	0.0	1.6
23	17.5	26.5	21.8	83.7	.1	.1	.2	2.6
24	18.0	24.5	19.8	85.0	.5	0.0	.5	1.8
25	17.0	24.0	20.3	83.3	0.0	0.0	0.0	.5
26	17.2	26.5	21.5	79.7	.1	0.0	.1	4.5
27	17.5	24.6	19.9	84.7	0.0	0.0	0.0	2.6
28	17.0	25.5	20.6	79.3	0.0	0.0	0.0	2.7
29	17.4	21.0	18.6	90.0	3.0	0.0	3.0	0.0
30	14.5	24.6	20.0	83.7	0.0	0.0	0.0	3.5
31	16.5	24.5	20.1	81.0	0.0	0.0	0.0	3.0
TOTAL PROMEDIO	17.0	25.1	20.7	82.2	23.0	18.0	41.0	90.3

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.5	24.6	19.3	85.3	2.0	0.0	2.0	3.5
2	14.2	25.5	20.2	77.7	0.0	0.0	0.0	5.2
3	15.6	25.7	21.1	75.7	0.0	0.0	0.0	4.1
4	17.5	23.2	19.6	88.0	0.0	0.0	0.0	1.7
5	16.0	25.2	20.9	81.7	0.0	0.0	0.0	5.5
6	17.0	28.0	22.4	78.3	0.0	0.0	0.0	7.7
7	14.5	27.2	21.1	80.7	0.0	0.0	0.0	6.3
8	15.5	24.2	20.5	85.0	0.0	0.0	0.0	1.1
9	15.6	23.2	18.9	90.7	0.0	9.1	9.1	0.0
10	16.2	21.4	18.3	92.3	.7	1.7	2.4	.5
11	16.0	22.5	19.4	89.3	0.0	0.0	0.0	0.0
12	17.0	25.0	20.1	84.0	0.0	0.0	0.0	2.2
13	15.0	24.2	19.9	83.3	.9	1.5	2.4	3.1
14	16.6	25.5	19.5	85.3	.1	0.0	.1	2.5
15	16.4	26.0	19.9	82.7	.1	2.2	2.3	4.4
16	16.5	25.5	20.5	83.0	0.0	0.0	0.0	2.9
17	16.8	27.4	21.5	77.3	0.0	0.0	0.0	7.1
18	16.0	26.4	21.1	78.3	0.0	0.0	0.0	5.9
19	15.5	26.8	22.3	76.0	0.0	0.0	0.0	7.4
20	17.0	28.4	22.7	68.3	0.0	0.0	0.0	5.6
21	16.5	28.6	22.7	66.3	0.0	0.0	0.0	6.9
22	18.0	26.5	21.6	78.3	0.0	0.0	0.0	2.8
23	15.5	25.5	20.0	84.0	5.9	0.0	5.9	3.1
24	16.5	24.2	19.0	83.7	30.4	.1	30.5	.8
25	16.0	25.5	20.6	79.0	0.0	0.0	0.0	5.8
26	16.1	26.2	22.0	76.0	0.0	0.0	0.0	5.9
27	17.0	24.0	20.1	85.0	0.0	0.0	0.0	0.0
28	16.4	28.8	22.5	65.3	0.0	0.0	0.0	6.3
29	16.5	30.5	23.0	64.3	0.0	0.0	0.0	6.7
30	17.5	29.0	22.6	71.7	0.0	0.0	0.0	6.9
31								
TOTAL PROMEDIO	16.2	25.8	20.8	79.9	40.1	14.6	54.7	121.9

ESTACION: LA BELLA

DPTO: QUINDIO

LATITUD : 04° 30'N

ANO : 1990

MPIO: CALARCA

LONGITUD : 75° 40'W

ALTITUD : 1450 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.5	25.2	20.6	79.3	0.0	.2	.2	1.7
2	17.0	27.2	22.0	75.3	0.0	0.0	0.0	5.6
3	16.0	26.2	21.9	76.3	0.0	0.0	0.0	3.3
4	16.5	25.0	20.0	80.3	0.0	1.6	1.6	1.9
5	16.6	25.4	19.3	85.7	.2	0.0	.2	1.5
6	14.2	25.0	20.5	78.0	0.0	0.0	0.0	4.8
7	15.2	26.6	21.3	79.0	0.0	3.9	3.9	5.4
8	16.5	25.8	21.2	77.0	0.0	21.2	21.2	7.0
9	16.3	24.0	20.1	81.3	.3	48.1	48.4	1.6
10	15.5	22.0	19.3	83.0	6.9	0.0	6.9	2.1
11	15.6	24.0	20.1	79.7	.5	0.0	.5	2.1
12	16.2	25.4	20.8	80.0	0.0	0.0	0.0	2.9
13	15.5	25.2	20.1	78.7	0.0	0.0	0.0	3.6
14	16.2	25.5	20.5	74.0	0.0	0.0	0.0	3.9
15	16.5	23.5	20.1	82.0	.2	1.3	1.5	2.1
16	16.4	23.0	19.5	83.0	0.0	0.0	0.0	1.8
17	17.0	23.2	18.8	85.0	2.2	.6	2.8	2.4
18	16.0	24.4	19.8	79.0	0.0	13.7	13.7	4.0
19	15.5	25.6	20.0	80.0	.2	0.0	.2	4.6
20	14.0	26.0	20.2	75.3	0.0	7.0	7.0	6.9
21	16.0	26.5	18.4	81.3	3.3	0.0	3.3	8.1
22	14.5	24.2	20.0	78.7	0.0	0.0	0.0	4.3
23	16.2	24.0	20.3	79.3	.5	.4	.9	2.8
24	16.5	26.6	22.1	73.7	0.0	0.0	0.0	7.1
25	15.0	27.4	21.4	71.7	0.0	0.0	0.0	10.1
26	14.4	25.6	20.6	70.3	0.0	0.0	0.0	7.2
27	15.5	25.7	21.8	66.7	0.0	0.0	0.0	4.2
28	15.7	27.4	22.5	64.7	0.0	0.0	0.0	6.9
29	16.5	26.6	22.7	63.3	0.0	0.0	0.0	5.2
30	17.0	29.0	22.8	56.3	0.0	0.0	0.0	5.5
31	15.5	28.0	21.9	57.7	0.0	0.0	0.0	7.3
TOTAL PROMEDIO	15.9	25.5	20.7	76.0	14.3	98.0	112.3	137.9

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	13.5	27.6	22.1	60.3	0.0	0.0	0.0	9.3
2	15.8	26.5	21.4	71.7	0.0	0.0	0.0	5.8
3	15.3	27.0	21.8	70.3	0.0	0.0	0.0	4.3
4	16.5	27.5	22.2	63.7	0.0	0.0	0.0	5.6
5	15.2	28.0	22.2	65.7	0.0	0.0	0.0	4.9
6	14.0	29.6	21.8	73.7	0.0	0.0	0.0	8.7
7	16.0	26.5	22.5	71.3	0.0	0.0	0.0	3.6
8	16.5	27.2	22.4	72.3	0.0	0.0	0.0	5.5
9	16.4	30.4	23.5	69.7	0.0	0.0	0.0	8.5
10	17.0	25.0	22.6	67.0	0.0	0.0	0.0	.3
11	15.5	28.0	22.5	62.3	0.0	0.0	0.0	6.5
12	16.0	27.5	22.9	59.3	0.0	0.0	0.0	7.5
13	16.5	26.2	21.4	72.3	.1	0.0	.1	3.3
14	17.0	24.2	19.9	80.3	0.0	0.0	0.0	3.2
15	15.0	25.0	20.2	79.3	0.0	0.0	0.0	3.8
16	17.0	28.0	22.1	69.7	0.0	0.0	0.0	5.8
17	15.5	31.0	22.3	71.3	0.0	0.0	0.0	8.2
18	16.5	25.8	21.2	81.0	0.0	0.0	0.0	1.2
19	15.8	28.2	23.4	62.7	0.0	0.0	0.0	5.2
20	15.5	27.4	22.2	66.0	0.0	0.0	0.0	4.2
21	17.0	28.5	22.9	55.3	0.0	0.0	0.0	5.9
22	16.4	29.0	23.2	53.3	0.0	0.0	0.0	7.4
23	15.0	30.0	22.1	56.7	0.0	0.0	0.0	8.6
24	16.5	29.7	22.6	59.7	0.0	0.0	0.0	7.7
25	15.0	29.4	22.1	67.7	0.0	0.0	0.0	8.6
26	16.5	25.2	18.3	85.0	24.3	0.0	24.3	2.0
27	14.0	26.5	19.9	78.7	0.0	.1	.1	6.5
28	17.0	21.3	18.3	89.0	4.4	0.0	4.4	.3
29	14.4	23.5	18.9	85.0	2.8	0.0	2.8	2.6
30	16.8	26.2	19.7	84.3	.8	0.0	.8	4.7
31	16.5	26.6	21.2	71.0	.5	0.0	.5	7.0
TOTAL PROMEDIO	15.9	27.2	21.6	70.2	32.9	.1	33.0	166.7

ESTACION: LA BELLA

DPTO: QUINDIO

LATITUD : 04° 30'N

AÑO : 1990

MPIO: CALARCA

LONGITUD: 75° 40'W

ALTITUD : 1450 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.7	25.5	21.6	72.3	0.0	3.3	3.3	3.2
2	16.5	25.8	20.6	78.7	5.3	.5	5.8	3.9
3	16.4	25.5	20.3	78.7	0.0	0.0	0.0	3.1
4	15.0	26.7	21.0	76.7	0.0	0.0	0.0	2.9
5	15.2	30.0	22.3	68.7	0.0	0.0	0.0	7.9
6	16.5	25.0	20.9	73.3	0.0	0.0	0.0	3.9
7	16.4	26.6	21.6	72.3	0.0	0.0	0.0	3.5
8	16.5	25.3	21.2	75.0	0.0	0.0	0.0	2.0
9	16.0	28.0	21.3	80.7	2.2	0.0	2.2	2.8
10	16.4	25.0	20.0	81.7	0.0	0.0	0.0	2.6
11	16.0	25.5	20.7	80.0	0.0	0.0	0.0	1.8
12	16.5	27.4	20.7	77.3	0.0	.3	.3	4.6
13	15.0	28.0	21.6	74.7	0.0	0.0	0.0	7.1
14	17.0	24.4	19.8	78.7	0.0	0.0	0.0	2.5
15	15.0	27.2	20.9	76.7	0.0	0.0	0.0	3.1
16	15.2	27.0	21.6	71.0	0.0	0.0	0.0	7.0
17	14.0	29.0	21.7	66.0	0.0	0.0	0.0	8.3
18	15.0	28.5	20.8	77.3	.1	0.0	.1	6.2
19	15.8	28.0	20.0	80.0	12.6	.1	12.7	4.4
20	16.0	27.0	20.1	79.3	2.4	0.0	2.4	5.3
21	15.4	26.4	19.6	80.7	6.6	18.4	25.0	6.6
22	16.0	22.5	19.6	84.0	1.4	0.0	1.4	.3
23	15.0	23.8	19.0	82.7	.5	.1	.6	2.5
24	14.5	26.2	21.0	72.7	.1	0.0	.1	5.1
25	16.0	26.3	19.9	79.3	16.0	0.0	16.0	2.7
26	15.0	25.5	19.2	82.3	3.5	1.5	5.0	3.5
27	15.8	25.0	20.0	83.7	0.0	0.0	0.0	3.6
28	17.5	24.2	20.9	80.3	0.0	0.0	0.0	2.0
29	16.5	26.4	21.6	77.7	0.0	0.0	0.0	3.0
30	15.0	26.2	20.2	83.7	.1	10.8	10.9	5.1
31								
TOTAL PROMEDIO	15.8	26.3	20.6	77.5	50.8	35.0	85.8	120.5

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.8	24.2	18.3	89.3	44.8	40.5	85.3	2.5
2	15.9	21.4	18.8	88.3	.1	0.0	.1	.1
3	16.0	25.0	20.2	79.3	0.0	0.0	0.0	3.9
4	16.8	26.2	20.8	75.3	0.0	16.2	16.2	3.5
5	16.0	22.2	18.2	87.7	3.8	0.0	3.8	.4
6	15.0	24.3	20.4	77.3	.1	.5	.6	2.3
7	16.8	24.4	18.7	86.3	35.6	7.8	43.4	.9
8	15.4	24.2	19.3	80.7	1.0	0.0	1.0	2.9
9	15.8	24.8	19.3	80.7	6.7	.2	6.9	2.4
10	16.0	23.0	19.5	85.3	4.5	1.5	6.0	2.8
11	15.9	25.2	19.6	83.7	32.7	12.5	45.2	2.4
12	15.8	22.2	18.6	82.0	.7	1.4	2.1	.3
13	15.0	24.3	19.3	80.3	1.4	0.0	1.4	4.4
14	16.0	24.8	19.2	87.7	2.1	.3	2.4	2.7
15	17.0	24.0	19.9	84.7	0.0	0.0	0.0	.8
16	15.4	25.8	19.8	77.3	10.8	2.8	13.6	5.6
17	15.8	23.0	18.6	90.7	1.9	0.0	1.9	2.6
18	15.0	25.5	19.4	84.0	0.0	25.0	25.0	4.0
19	16.0	25.0	20.0	80.0	3.5	5.4	8.9	5.5
20	15.5	20.8	17.7	86.3	1.3	5.4	6.7	.1
21	15.8	23.8	19.0	84.7	1.6	0.0	1.6	2.3
22	16.1	20.4	17.7	89.0	24.2	0.0	24.2	.1
23	14.8	24.1	19.2	80.0	0.0	1.9	1.9	3.9
24	15.5	23.0	18.6	86.7	35.7	.4	36.1	1.5
25	15.8	25.0	20.0	82.0	0.0	17.2	17.2	2.7
26	14.0	24.0	18.8	80.3	0.0	0.0	0.0	7.7
27	13.9	23.8	18.8	81.7	0.0	11.6	11.6	4.8
28	16.2	24.2	20.2	82.3	0.0	29.1	29.1	2.9
29	16.8	22.0	19.2	89.0	5.9	0.0	5.9	.9
30	15.0	26.0	20.2	80.0	.3	2.9	3.2	6.7
31	16.0	25.4	19.6	81.3	0.0	1.1	1.1	4.8
TOTAL PROMEDIO	15.7	23.9	19.2	83.4	218.7	183.7	402.4	88.4

ESTACION: LA BELLA

DPTO: QUINDIO

LATITUD : 04° 30'N

ANO : 1990

MPIO: CALARCA

LONGITUD: 75° 40'W  
ALTITUD : 1450 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.4	23.5	18.7	88.7	10.6	0.0	10.6	2.3
2	16.0	22.2	18.2	89.7	.7	33.9	34.6	.6
3	15.9	25.4	19.4	84.0	1.3	10.8	12.1	1.5
4	16.0	21.8	18.2	89.0	.4	0.0	.4	.1
5	15.8	23.0	18.6	85.7	.2	0.0	.2	.7
6	15.0	26.0	20.5	78.0	0.0	0.0	0.0	4.1
7	16.0	26.5	21.0	77.0	0.0	0.0	0.0	5.2
8	16.6	26.0	20.6	82.0	.4	.6	1.0	6.4
9	17.0	25.2	20.5	80.3	0.0	0.0	0.0	3.7
10	17.8	25.3	20.2	83.3	0.0	0.0	0.0	.5
11	14.8	26.4	20.9	76.3	0.0	0.0	0.0	6.9
12	16.6	26.2	20.9	77.7	0.0	0.0	0.0	5.3
13	17.0	26.1	21.3	74.7	0.0	0.0	0.0	5.6
14	16.8	26.7	21.5	78.0	0.0	0.0	0.0	4.9
15	17.0	26.5	20.7	81.3	0.0	0.0	0.0	2.9
16	15.8	26.4	20.6	80.0	0.0	82.9	82.9	3.6
17	15.0	24.8	20.3	81.0	0.0	.1	.1	2.5
18	17.0	22.0	18.9	90.0	0.0	0.0	0.0	2.6
19	14.8	23.4	20.0	82.3	0.0	.2	.2	
20	17.0	25.2	19.9	85.7	4.4	5.4	9.8	2.3
21	17.2	20.0	16.4	96.0	3.7	0.0	3.7	.1
22	12.8	21.4	17.1	88.0	0.0	0.0	0.0	2.0
23	14.0	25.8	19.9	80.0	0.0	20.9	20.9	6.2
24	16.0	23.2	18.9	84.7	.1	0.0	.1	2.1
25	16.4	26.0	20.4	77.3	0.0	0.0	0.0	5.2
26	15.6	25.8	19.6	80.3	3.0	0.0	3.0	3.5
27	14.5	25.0	20.0	79.7	0.0	0.0	0.0	3.1
28	17.2	24.2	18.7	87.7	41.3	0.0	41.3	1.1
29	15.8	25.5	19.3	79.7	9.5	.1	9.6	4.3
30	16.7	24.0	19.7	84.0	.1	0.0	.1	2.7
31								
TOTAL PROMEDIO	16.0	24.6	19.7	82.7	75.7	154.9	230.6	

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	24.3	19.9	85.3	.4	3.3	3.7	2.2
2	17.0	24.1	18.5	84.3	8.1	.3	8.4	2.0
3	15.4	23.0	19.2	86.3	0.0	1.3	1.3	.5
4	16.0	22.8	19.4	84.7	0.0	86.7	86.7	1.9
5	15.8	20.0	17.6	92.7	2.9	18.2	21.1	.3
6	15.1	24.1	19.4	81.0	0.0	0.0	0.0	3.4
7	15.0	23.6	18.9	83.7	26.0	0.0	26.0	4.4
8	14.9	23.0	18.1	86.0	15.7	5.0	20.7	2.5
9	12.8	25.9	18.9	77.3	0.0	.3	.3	7.9
10	14.9	26.2	20.1	72.7	0.0	0.0	0.0	9.0
11	15.0	24.9	19.9	76.7	0.0	.2	.2	5.3
12	15.8	25.3	19.7	78.3	0.0	0.0	0.0	5.9
13	15.1	25.1	19.5	80.7	0.0	0.0	0.0	4.8
14	16.0	26.0	19.7	84.0	.4	0.0	.4	2.9
15	15.0	29.2	21.5	74.7	0.0	0.0	0.0	7.5
16	15.2	28.2	21.3	76.0	0.0	0.0	0.0	6.1
17	14.8	27.2	20.0	82.0	2.7	0.0	2.7	6.6
18	16.0	26.4	20.2	80.3	5.3	0.0	5.3	5.0
19	15.5	22.8	19.3	86.0	0.0	0.0	0.0	.1
20	17.0	27.0	22.0	74.7	0.0	0.0	0.0	2.0
21	15.8	24.2	20.5	82.7	0.0	0.0	0.0	5.6
22	16.0	23.0	19.3	87.7	.6	0.0	.6	.9
23	15.8	25.0	18.8	82.7	.2	25.3	25.5	3.9
24	16.8	23.6	19.5	86.3	4.9	4.8	9.7	1.8
25	17.0	24.9	19.9	84.0	0.0	0.0	0.0	2.2
26	15.8	25.8	19.5	81.7	0.0	0.0	0.0	3.9
27	16.2	22.0	18.3	90.7	0.0	0.0	0.0	0.0
28	15.3	22.5	18.5	86.0	8.1	0.0	8.1	1.0
29	15.1	24.5	19.1	81.7	6.0	0.0	6.0	3.8
30	15.9	24.2	19.5	84.0	0.0	3.0	3.0	2.2
31	16.0	24.8	19.1	78.3	0.0	0.0	0.0	4.5
TOTAL PROMEDIO	15.6	24.6	19.5	82.4	81.3	148.4	229.7	110.1

ESTACION: LA BELLA

DPTO: QUINDIO

LATITUD : 04° 30'N

ANO : 1990

MPIO: CALARCA

LONGITUD: 75° 40'W

ALTITUD : 1450 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	16.3	25.4	20.4	14.5	28.6	82.2	77.1	13	109.5
FEBRERO	16.7	24.9	20.4	15.0	27.5	81.5	232.9	20	64.2
MARZO	16.8	25.8	20.9	13.6	30.2	80.6	144.5	14	107.8
ABRIL	16.8	25.0	20.3	14.5	28.6	84.3	244.8	21	88.2
MAYO	17.0	25.1	20.7	14.5	28.0	82.2	41.0	16	90.3
JUNIO	16.2	25.8	20.8	14.2	30.5	79.9	54.7	8	121.9
JULIO	15.9	25.5	20.7	14.0	29.0	76.0	112.3	15	137.9
AGOSTO	15.9	27.2	21.6	13.5	31.0	70.2	33.0	7	166.7
SEPTIEMBRE	15.8	26.3	20.6	14.0	30.0	77.5	85.8	14	120.5
OCTUBRE	15.7	23.9	19.2	13.9	26.2	83.4	402.4	28	88.4
NOVIEMBRE	16.0	24.6	19.7	12.8	26.7	82.7	230.6	17	
DICIEMBRE	<u>15.6</u>	<u>24.6</u>	<u>19.5</u>	<u>12.8</u>	<u>29.2</u>	<u>82.4</u>	<u>229.7</u>	<u>18</u>	<u>110.1</u>
PROMEDIO	16.2	25.3	20.4			80.2			
<b>ABSOLUTA</b>				<b>12.8</b>	<b>31.0</b>				
<b>TOTAL</b>							<b>1888.8</b>	<b>191</b>	

ESTACION: PARAGUAICITO

DPTO: QUINDIO

LATITUD : 04° 23'N

AÑO : 1990

MPIO: BUENAVISTA

LONGITUD: 75° 44'W

ALTITUD : 1250 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.7	28.2	21.4	76.7	0.0	1.0	1.0	6.8
2	18.0	27.5	21.7	79.3	0.0	0.0	0.0	5.2
3	18.4	28.2	21.7	79.7	0.0	0.0	0.0	4.4
4	18.0	29.0	21.8	78.7	0.0	.5	.5	6.4
5	17.8	24.7	20.6	84.3	0.0	7.9	7.9	0.0
6	17.9	27.0	21.0	81.3	3.3	2.1	5.4	2.0
7	18.1	26.5	20.8	81.3	1.1	18.7	19.8	2.7
8	18.0	22.5	19.4	89.3	3.8	0.0	3.8	0.0
9	16.2	28.5	20.5	78.7	7.7	22.3	30.0	6.6
10	17.8	26.2	21.2	83.3	0.0	0.0	0.0	2.4
11	17.4	27.8	21.6	78.0	.4	0.0	.4	3.7
12	18.2	24.4	19.7	85.7	16.0	0.0	16.0	.4
13	15.5	26.5	20.3	79.7	0.0	0.0	0.0	3.9
14	17.0	28.6	20.9	82.0	6.9	.2	7.1	5.6
15	18.0	28.5	21.7	79.3	0.0	0.0	0.0	4.2
16	16.8	28.8	22.5	76.0	0.0	0.0	0.0	4.5
17	17.8	30.0	22.8	77.7	0.0	0.0	0.0	4.7
18	17.0	30.5	23.7	71.3	0.0	7.5	7.5	8.1
19	18.4	28.2	21.2	81.7	13.5	0.0	13.5	4.0
20	17.3	29.7	22.3	78.0	0.0	0.0	0.0	8.5
21	16.0	29.2	22.6	79.0	.2	0.0	.2	6.6
22	18.6	27.4	22.3	78.7	0.0	0.0	0.0	2.6
23	16.8	31.0	22.8	73.3	0.0	0.0	0.0	9.1
24	16.4	30.8	23.0	75.7	0.0	0.0	0.0	7.0
25	16.8	31.5	23.7	71.7	0.0	0.0	0.0	8.5
26	18.8	22.2	20.4	90.3	1.5	1.4	2.9	0.0
27	17.0	29.2	22.6	76.3	0.0	0.0	0.0	6.3
28	16.8	29.8	23.4	75.3	0.0	0.0	0.0	6.2
29	16.5	31.2	23.0	72.0	0.0	0.0	0.0	7.3
30	16.6	29.0	23.4	75.0	0.0	0.0	0.0	4.7
31	19.0	30.0	23.4	76.7	0.0	0.0	0.0	3.8
TOTAL PROMEDIO	17.4	28.1	21.8	78.9	54.4	61.6	116.0	146.2

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.5	29.4	23.0	76.0	0.0	0.0	0.0	4.8
2	17.6	28.6	21.3	82.0	62.7	0.0	62.7	2.2
3	17.4	26.2	21.8	82.7	0.0	0.0	0.0	.6
4	18.0	27.8	22.1	79.0	.6	29.7	30.3	1.2
5	17.5	23.5	19.5	87.7	6.9	4.7	11.6	.1
6	17.0	26.4	21.2	81.0	0.0	0.0	0.0	2.8
7	16.0	28.8	22.9	75.0	0.0	0.0	0.0	4.3
8	17.8	29.8	23.1	74.0	0.0	23.9	23.9	4.7
9	18.0	28.0	22.6	77.0	.5	.2	.7	5.3
10	18.8	28.8	23.0	78.7	0.0	.3	.3	4.2
11	19.0	27.0	23.0	79.0	.9	0.0	.9	1.5
12	18.9	25.2	21.7	82.0	0.0	0.0	0.0	.1
13	17.6	25.0	21.3	82.7	0.0	0.0	0.0	0.0
14	15.5	29.5	22.8	74.0	0.0	9.9	9.9	5.4
15	18.5	29.4	23.6	74.7	0.0	1.0	1.0	6.1
16	18.8	29.6	23.9	70.0	.5	0.0	.5	6.5
17	17.5	30.5	23.0	66.0	0.0	0.0	0.0	8.0
18	17.2	25.6	20.6	81.3	.4	5.6	6.0	2.1
19	17.5	25.0	20.9	82.3	0.0	1.2	1.2	.4
20	16.5	27.8	21.4	79.0	.1	0.0	.1	5.4
21	17.0	28.7	22.8	72.7	0.0	0.0	0.0	5.3
22	16.3	28.5	20.2	79.0	18.3	2.3	20.6	2.6
23	16.8	28.2	22.5	75.7	0.0	0.0	0.0	3.7
24	18.0	23.2	20.0	84.7	0.0	8.9	8.9	.1
25	17.0	27.6	21.6	76.7	0.0	.3	.3	5.2
26	18.4	25.0	21.0	78.0	0.0	5.8	5.8	.4
27	17.0	27.6	21.7	78.7	0.0	0.0	0.0	5.1
28	17.8	28.2	22.7	72.3	0.0	0.0	0.0	2.4
29								
30								
31								
TOTAL PROMEDIO	17.5	27.5	22.0	77.9	90.9	93.8	184.7	90.5

ESTACION: PARAGUAICITO

DPTO: QUINDIO

LATITUD : 04° 23'N

LONGITUD: 75° 44'W

ANO : 1990

MPIO: BUENAVISTA

ALTITUD : 1250 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.4	27.8	21.8	76.3	.1	16.7	16.8	3.9
2	16.5	29.5	21.8	73.3	0.0	0.0	0.0	7.8
3	17.8	23.5	18.5	92.7	17.3	0.0	17.3	.2
4	14.5	24.9	19.6	81.3	.2	.8	1.0	1.5
5	17.0	27.0	21.9	81.3	0.0	0.0	0.0	2.6
6	16.0	30.8	21.7	77.3	1.3	0.0	1.3	6.7
7	18.0	28.6	23.5	74.3	0.0	.1	.1	3.4
8	18.2	31.2	23.6	76.0	0.0	0.0	0.0	7.1
9	19.0	31.8	24.3	75.0	0.0	0.0	0.0	7.6
10	18.0	29.5	23.2	75.3	0.0	0.0	0.0	5.1
11	18.5	28.9	23.3	78.3	0.0	0.0	0.0	2.8
12	17.6	32.0	24.7	69.3	0.0	0.0	0.0	8.0
13	19.0	33.0	25.1	70.7	0.0	0.0	0.0	7.3
14	18.4	26.4	22.6	82.0	0.0	0.0	0.0	0.0
15	18.5	26.3	22.2	82.7	0.0	2.1	2.1	0.0
16	19.0	28.5	22.5	77.0	0.0	0.0	0.0	2.3
17	18.3	30.5	22.3	81.3	1.4	38.0	39.4	4.4
18	18.0	26.0	20.7	87.3	1.1	.5	1.6	.7
19	17.0	29.4	23.1	74.3	0.0	1.4	1.4	5.2
20	19.4	28.7	23.0	81.7	0.0	0.0	0.0	3.0
21	18.4	23.8	20.0	85.7	36.2	0.0	36.2	0.0
22	15.0	29.6	23.6	69.0	0.0	0.0	0.0	7.3
23	19.3	27.6	21.9	85.0	4.6	41.4	46.0	1.3
24	18.0	24.0	21.3	87.0	0.0	3.5	3.5	.2
25	18.2	26.5	20.7	88.0	16.4	2.6	19.0	1.0
26	17.2	25.1	19.7	87.0	13.7	27.0	40.7	.8
27	16.0	27.0	21.1	75.0	0.0	0.0	0.0	7.2
28	16.5	29.2	22.7	67.0	0.0	.9	.9	6.4
29	16.7	30.8	23.9	70.7	0.0	0.0	0.0	8.2
30	18.0	30.9	24.5	69.7	0.0	0.0	0.0	6.7
31	17.4	29.2	22.0	78.3	.8	34.8	35.6	5.4
TOTAL PROMEDIO	17.7	28.3	22.3	78.4	93.1	169.8	262.9	124.1

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.4	21.0	19.1	92.3	6.2	0.0	6.2	0.0
2	15.5	28.4	22.5	73.3	0.0	0.0	0.0	6.9
3	18.0	28.2	21.5	80.0	2.3	0.0	2.3	4.7
4	18.2	28.9	20.8	80.0	50.7	.1	50.8	3.5
5	18.3	26.8	22.1	80.0	0.0	4.2	4.2	2.0
6	19.5	27.5	22.7	79.0	0.0	0.0	0.0	.5
7	17.0	28.0	22.9	82.7	0.0	0.0	0.0	5.2
8	17.6	29.0	23.9	76.0	0.0	0.0	0.0	6.2
9	18.4	31.2	23.7	74.7	0.0	0.0	0.0	9.1
10	17.5	31.0	24.8	70.0	0.0	0.0	0.0	8.9
11	19.8	31.2	23.8	80.7	5.4	4.5	9.9	6.9
12	19.5	30.4	23.3	81.0	0.0	0.0	0.0	7.2
13	18.8	30.3	23.3	78.7	1.4	13.1	14.5	5.5
14	17.5	27.8	22.8	82.0	.1	.1	.2	1.1
15	18.5	26.5	22.4	80.0	0.0	56.9	56.9	2.6
16	17.5	23.6	20.4	86.3	0.0	0.0	0.0	.1
17	16.0	29.4	21.9	78.7	0.0	.8	.8	6.5
18	18.0	28.9	21.8	76.7	0.0	0.0	0.0	6.0
19	17.8	28.0	22.6	78.7	0.0	3.8	3.8	1.6
20	18.6	27.5	22.4	79.0	0.0	3.7	3.7	3.2
21	18.8	24.7	20.5	86.3	1.1	0.0	1.1	.5
22	16.8	29.4	21.6	80.7	.6	1.8	2.4	4.8
23	18.5	25.8	21.5	82.3	0.0	0.0	0.0	1.0
24	18.6	26.2	21.3	82.7	.6	0.0	.6	0.0
25	18.0	26.0	20.2	83.7	41.0	5.5	46.5	1.1
26	17.5	28.5	22.4	79.0	0.0	18.8	18.8	4.4
27	18.0	28.2	20.7	87.0	.3	20.6	20.9	4.0
28	17.5	26.5	21.1	85.3	1.7	3.8	5.5	2.6
29	17.8	26.0	21.0	83.0	.8	0.0	.8	1.7
30	17.6	25.2	21.1	84.0	24.0	15.5	39.5	0.0
31								
TOTAL PROMEDIO	18.0	27.7	22.0	80.8	136.2	153.2	289.4	107.8

ESTACION: PARAGUAICITO

DPTO: QUINDIO

LATITUD : 04° 23'N

AÑO : 1990

MPIO: BUENAVISTA

LONGITUD: 75° 44'W  
ALTITUD : 1250 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.8	29.0	21.4	78.3	.3	.7	1.0	5.0
2	16.0	28.6	22.3	78.0	0.0	.7	.7	6.3
3	17.5	28.8	22.1	79.3	.5	3.2	3.7	3.6
4	17.9	27.8	21.9	82.0	0.0	28.0	28.0	3.9
5	18.0	26.7	21.6	82.3	.6	2.8	3.4	2.4
6	17.8	27.6	22.1	82.0	0.0	0.0	0.0	3.1
7	18.4	28.9	22.7	78.3	.5	0.0	.5	4.5
8	18.9	27.5	23.3	79.7	0.0	0.0	0.0	.6
9	18.2	29.9	22.4	76.3	0.0	0.0	0.0	5.4
10	18.4	28.2	22.4	76.3	0.0	.8	.8	4.9
11	18.9	29.2	22.2	79.7	0.0	0.0	0.0	2.9
12	17.0	27.2	22.2	81.7	.3	2.7	3.0	2.6
13	18.8	26.6	21.9	82.3	.6	2.1	2.7	1.5
14	18.2	28.0	22.3	78.0	.1	1.6	1.7	2.7
15	18.0	28.6	22.2	80.7	.3	0.0	.3	6.6
16	18.5	30.4	23.8	76.3	0.0	0.0	0.0	8.0
17	18.8	28.2	23.0	79.7	0.0	0.0	0.0	1.9
18	18.6	29.0	24.2	71.0	0.0	0.0	0.0	6.2
19	18.8	28.6	24.2	73.3	0.0	0.0	0.0	3.2
20	18.4	28.2	23.7	79.7	0.0	0.0	0.0	2.9
21	19.6	27.4	23.0	80.7	0.0	0.0	0.0	1.1
22	19.5	29.0	23.9	74.7	.1	0.0	.1	3.2
23	19.3	29.8	23.9	77.3	0.0	.7	.7	3.5
24	19.4	28.0	21.8	86.0	14.9	0.0	14.9	2.1
25	18.8	26.6	22.4	81.3	.1	.1	.2	1.1
26	18.6	29.2	22.9	78.0	.9	0.0	.9	4.8
27	18.0	28.3	22.8	79.3	2.5	0.0	2.5	5.0
28	18.4	28.8	22.9	76.7	0.0	.3	.3	3.8
29	18.7	24.4	20.9	86.0	4.9	0.0	4.9	.4
30	16.8	28.6	22.3	82.0	0.0	0.0	0.0	3.9
31	18.0	28.0	22.3	80.7	0.0	0.0	0.0	4.2
TOTAL PROMEDIO	18.3	28.2	22.6	79.3	26.6	43.7	70.3	111.3

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.5	27.5	21.1	80.0	2.0	0.0	2.0	3.1
2	15.7	28.9	22.7	73.7	0.0	0.0	0.0	5.8
3	17.4	29.0	23.1	78.3	0.0	0.0	0.0	5.0
4	18.6	27.2	21.7	85.7	4.8	0.0	4.8	2.7
5	18.5	28.6	23.2	77.7	0.0	0.0	0.0	4.6
6	18.8	31.8	24.5	79.0	0.0	0.0	0.0	8.2
7	16.9	30.5	24.0	72.3	0.0	0.0	0.0	7.4
8	17.5	27.2	22.8	78.0	0.0	0.0	0.0	1.8
9	17.9	26.0	21.8	84.3	4.3	11.0	15.3	0.0
10	18.9	25.0	20.7	87.7	2.0	1.9	3.9	1.1
11	18.7	26.0	21.7	86.0	0.0	0.0	0.0	.2
12	18.8	28.4	21.4	83.7	28.4	0.0	28.4	2.6
13	16.5	27.0	22.1	80.7	0.0	.7	.7	2.0
14	18.6	28.2	23.3	74.3	0.0	0.0	0.0	3.2
15	17.5	29.4	21.6	80.7	16.8	0.0	16.8	4.4
16	18.5	28.8	23.2	77.0	0.0	0.0	0.0	5.6
17	18.4	30.6	23.8	79.3	0.0	0.0	0.0	7.5
18	17.5	30.2	23.5	73.3	0.0	0.0	0.0	8.5
19	17.0	29.8	23.9	75.3	0.0	0.0	0.0	7.7
20	17.8	30.8	24.3	66.0	0.0	0.0	0.0	6.5
21	17.5	29.0	23.2	74.0	0.0	0.0	0.0	4.2
22	18.0	28.8	22.8	81.7	.2	0.0	.2	4.1
23	17.0	28.2	21.6	81.0	0.0	0.0	0.0	3.1
24	18.2	28.0	21.5	80.3	.9	0.0	.9	2.6
25	17.5	29.0	22.9	77.3	0.0	0.0	0.0	7.0
26	17.4	29.6	23.0	75.7	0.0	0.0	0.0	5.2
27	18.7	27.1	23.0	79.7	0.0	0.0	0.0	.1
28	18.0	31.5	24.7	70.3	0.0	0.0	0.0	8.0
29	16.5	32.4	23.9	68.0	0.0	0.0	0.0	8.5
30	17.5	31.7	24.4	72.7	0.0	0.0	0.0	7.9
31								
TOTAL PROMEDIO	17.8	28.9	22.8	77.8	59.4	13.6	73.0	138.6



ESTACION: PARAGUAICITO

DPTO: QUINDIO

LATITUD : 04° 23'N

AÑO : 1990

MPIO: BUENAVISTA

LONGITUD : 75° 44'W

ALTITUD : 1250 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.2	29.9	21.9	81.0	11.8	.5	12.3	3.6
2	18.6	30.6	23.7	77.3	0.0	0.0	0.0	5.2
3	18.4	29.6	24.0	72.7	0.0	0.0	0.0	4.0
4	18.3	29.2	21.9	74.7	0.0	.8	.8	3.6
5	18.0	28.5	21.5	81.0	.9	4.7	5.6	3.8
6	15.8	28.0	21.5	79.7	0.0	0.0	0.0	4.4
7	17.0	30.7	24.1	70.3	0.0	9.5	9.5	7.0
8	17.8	29.5	23.6	73.0	0.0	1.3	1.3	8.6
9	18.6	28.5	22.5	76.3	0.0	47.6	47.6	3.7
10	17.8	27.0	21.1	79.3	8.3	.1	8.4	4.2
11	17.6	26.9	22.7	73.7	0.0	.3	.3	3.9
12	17.5	28.2	22.9	78.7	0.0	0.0	0.0	2.2
13	17.4	29.4	22.8	74.7	0.0	0.0	0.0	4.6
14	17.6	28.4	23.0	75.7	1.2	.3	1.5	5.0
15	17.2	26.8	22.3	78.3	0.0	0.0	0.0	2.5
16	18.4	26.6	21.6	80.0	0.0	0.0	0.0	3.3
17	18.0	27.5	20.8	80.0	24.3	1.3	25.6	4.9
18	17.9	27.9	21.8	77.7	0.0	4.8	4.8	5.4
19	17.5	28.4	22.5	77.3	1.4	0.0	1.4	6.0
20	15.5	29.0	22.2	72.0	0.0	0.0	0.0	7.8
21	18.0	29.7	20.0	80.3	5.1	0.0	5.1	5.8
22	15.1	27.9	21.4	80.3	.1	0.0	.1	4.4
23	17.5	28.6	22.5	78.7	0.0	0.0	0.0	3.9
24	18.0	29.9	23.5	74.0	0.0	0.0	0.0	7.7
25	16.6	30.2	23.9	70.7	0.0	0.0	0.0	10.0
26	16.3	28.8	22.5	73.0	0.0	0.0	0.0	7.1
27	17.4	28.7	22.9	73.7	0.0	0.0	0.0	6.2
28	17.0	30.5	23.6	68.7	0.0	0.0	0.0	7.0
29	15.8	31.0	23.9	67.0	0.0	0.0	0.0	5.7
30	18.3	31.7	24.8	59.3	0.0	0.0	0.0	8.4
31	15.2	30.4	23.4	57.0	0.0	0.0	0.0	8.3
TOTAL PROMEDIO	17.4	29.0	22.6	74.7	53.1	71.2	124.3	168.2

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.0	30.0	22.7	67.0	0.0	0.0	0.0	8.6
2	16.8	29.8	23.2	69.0	0.0	0.0	0.0	6.5
3	17.0	30.4	23.8	64.7	0.0	0.0	0.0	6.9
4	17.5	28.7	23.4	71.7	0.0	0.0	0.0	4.1
5	16.2	29.1	22.6	72.3	0.0	0.0	0.0	6.5
6	15.4	32.4	23.6	67.3	0.0	0.0	0.0	8.3
7	17.0	29.2	23.9	70.0	0.0	0.0	0.0	3.7
8	17.6	30.5	24.1	72.0	0.0	.1	.1	4.9
9	18.4	32.5	24.4	71.0	0.0	0.0	0.0	6.5
10	17.6	28.5	24.4	62.7	0.0	0.0	0.0	1.1
11	16.4	30.0	24.5	59.0	0.0	0.0	0.0	7.0
12	15.7	31.8	24.4	62.0	0.0	0.0	0.0	8.1
13	18.4	30.2	24.4	67.3	0.0	.1	.1	4.5
14	18.2	27.0	21.7	79.3	.8	0.0	.8	1.1
15	16.0	28.2	22.0	75.7	0.0	0.0	0.0	3.3
16	18.6	31.0	24.5	68.0	0.0	0.0	0.0	6.1
17	17.5	32.6	23.6	71.7	0.0	0.0	0.0	8.1
18	17.6	28.5	23.3	74.7	0.0	0.0	0.0	1.6
19	16.7	32.3	25.1	65.3	0.0	0.0	0.0	6.1
20	17.2	29.6	24.7	61.3	0.0	0.0	0.0	4.4
21	18.4	31.8	25.4	51.0	0.0	0.0	0.0	7.1
22	16.8	31.5	24.4	60.3	0.0	0.0	0.0	6.6
23	16.7	33.2	24.6	53.0	0.0	0.0	0.0	8.2
24	17.3	32.8	24.6	61.7	0.0	0.0	0.0	7.1
25	16.0	31.8	22.9	74.0	7.1	0.0	7.1	7.5
26	18.0	28.2	20.2	80.7	6.7	0.0	6.7	2.9
27	15.6	30.2	21.2	78.7	17.1	.2	17.3	7.8
28	17.5	24.6	20.2	84.0	3.4	0.0	3.4	.6
29	16.1	26.6	20.9	82.3	2.1	0.0	2.1	2.4
30	18.0	29.0	22.8	77.3	1.7	.3	2.0	4.6
31	17.6	28.7	22.7	73.3	1.3	.1	1.4	5.2
TOTAL PROMEDIO	17.0	30.0	23.3	69.3	40.2	.8	41.0	167.4

ESTACION: PARAGUAICITO

DPTO: QUINDIO

LATITUD : 04° 23'N

ANO : 1990

MPIO: BUENAVISTA

LONGITUD: 75° 44'W  
ALTITUD : 1250 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	28.5	23.8	71.7	0.0	1.9	1.9	4.1
2	18.6	28.8	22.4	75.3	0.0	0.0	0.0	4.1
3	18.4	28.5	22.8	73.3	0.0	0.0	0.0	2.4
4	16.5	29.5	23.8	71.7	0.0	0.0	0.0	3.4
5	16.4	33.5	24.2	67.7	0.0	0.0	0.0	8.3
6	17.5	29.1	23.0	74.0	0.0	0.0	0.0	5.3
7	17.9	30.5	23.8	67.7	0.0	0.0	0.0	5.7
8	18.0	28.6	23.2	71.7	0.0	0.0	0.0	1.6
9	17.6	30.7	22.5	71.0	0.0	0.0	0.0	3.8
10	17.4	28.2	22.6	71.3	.4	.3	.7	3.8
11	17.8	29.0	22.8	75.0	.9	5.0	5.9	3.5
12	18.4	30.2	21.3	78.3	.1	0.0	.1	6.3
13	17.4	30.4	23.8	69.0	0.0	0.0	0.0	7.4
14	18.5	27.6	21.5	79.7	1.3	0.0	1.3	2.5
15	16.3	29.8	23.0	73.0	0.0	0.0	0.0	4.7
16	16.5	30.4	22.9	71.0	0.0	0.0	0.0	7.1
17	15.2	31.5	24.5	63.3	0.0	0.0	0.0	8.6
18	16.4	31.0	23.3	70.7	0.0	0.0	0.0	4.9
19	17.6	31.6	21.7	77.7	1.5	.2	1.7	5.2
20	18.2	30.1	22.7	70.3	0.0	0.0	0.0	6.3
21	16.5	29.6	21.2	77.0	2.1	52.1	54.2	5.5
22	17.2	25.5	20.9	80.0	5.9	0.0	5.9	.9
23	16.6	27.6	20.8	86.3	.3	.1	.4	2.4
24	16.0	30.0	22.9	71.7	.1	0.0	.1	6.0
25	17.8	29.5	22.2	76.7	.5	0.0	.5	4.9
26	17.9	28.8	21.4	78.3	1.1	0.0	1.1	4.4
27	18.0	27.8	22.0	75.7	0.0	0.0	0.0	3.6
28	19.0	28.2	23.2	73.7	0.0	0.0	0.0	3.3
29	18.7	28.3	23.8	72.3	0.0	0.0	0.0	2.7
30	16.8	30.0	22.4	76.7	.1	25.0	25.1	6.2
31								
TOTAL PROMEDIO	17.4	29.4	22.7	73.7	14.3	84.6	98.9	138.9

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.8	27.2	21.5	80.7	.4	48.1	48.5	3.6
2	17.6	25.0	20.4	85.3	.5	0.0	.5	.3
3	18.0	27.5	22.4	80.7	0.0	0.0	0.0	2.4
4	17.8	27.6	22.5	79.3	0.0	84.0	84.0	4.8
5	18.0	24.0	19.8	85.7	3.3	0.0	3.3	.5
6	16.5	28.4	22.7	71.3	0.0	0.0	0.0	4.3
7	18.4	27.0	20.8	82.0	21.0	8.8	29.8	.6
8	17.6	27.8	21.8	83.0	0.0	0.0	0.0	4.1
9	17.1	27.2	20.9	83.3	0.0	1.6	1.6	4.5
10	18.0	26.0	21.2	85.3	15.0	0.0	15.0	3.6
11	17.4	27.6	21.4	78.3	0.0	11.6	11.6	2.2
12	17.6	25.1	20.7	84.7	2.7	1.3	4.0	.6
13	16.8	27.8	21.5	81.0	11.2	0.0	11.2	7.3
14	17.4	29.1	21.5	79.0	.1	1.7	1.8	4.9
15	18.8	27.4	21.6	80.0	2.3	1.2	3.5	3.1
16	18.2	29.1	22.5	76.0	.2	34.4	34.6	5.7
17	17.6	27.6	21.4	79.0	0.0	0.0	0.0	3.5
18	18.0	29.4	23.0	75.0	0.0	45.2	45.2	5.1
19	17.2	26.2	21.6	79.0	.9	13.1	14.0	3.4
20	17.4	24.1	20.3	88.7	.3	3.8	4.1	.1
21	17.8	28.0	21.7	80.7	0.0	.1	.1	4.2
22	17.6	22.6	20.2	86.0	34.6	0.0	34.6	.2
23	16.9	25.8	20.2	85.3	0.0	.8	.8	.5
24	17.8	26.0	20.9	82.7	25.3	.8	26.1	.7
25	18.0	28.8	22.7	80.0	0.0	7.2	7.2	5.0
26	16.3	28.2	21.0	75.0	0.0	0.0	0.0	7.1
27	15.4	28.0	21.4	79.3	0.0	18.9	18.9	4.8
28	17.5	28.2	21.9	79.0	0.0	0.0	0.0	3.2
29	18.4	25.6	21.7	80.0	.6	0.0	.6	1.0
30	17.8	29.4	22.9	72.7	0.0	.9	.9	8.5
31	18.1	28.9	21.9	76.0	0.0	30.9	30.9	5.5
TOTAL PROMEDIO	17.6	27.1	21.5	80.5	118.4	314.4	432.8	105.3

ESTACION: PARAGUAICITO

DPTO: QUINDIO

LATITUD : 04° 23'N

ANO : 1990

MPIO: BUENAVISTA

LONGITUD: 75° 44'W

ALTITUD : 1250 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	27.0	22.0	79.3	.2	0.0	.2	4.0
2	17.1	26.0	20.7	89.3	1.0	6.6	7.6	2.9
3	17.8	29.2	20.9	82.0	18.7	28.2	46.9	2.9
4	17.7	24.0	20.5	88.0	.8	.4	1.2	0.0
5	17.4	26.2	21.0	82.7	.2	0.0	.2	2.5
6	16.8	29.0	21.9	78.7	0.0	0.0	0.0	4.4
7	17.6	30.8	23.3	77.0	0.0	0.0	0.0	8.9
8	17.2	29.8	23.7	71.3	0.0	2.9	2.9	7.8
9	19.2	29.2	22.7	75.7	0.0	2.2	2.2	3.2
10	19.1	27.6	22.1	81.3	0.0	0.0	0.0	2.9
11	15.8	29.2	22.6	77.0	0.0	0.0	0.0	9.1
12	17.8	29.0	23.8	74.3	0.0	0.0	0.0	5.9
13	18.8	30.6	23.8	71.7	0.0	0.0	0.0	7.3
14	19.0	30.2	24.3	73.3	0.0	0.0	0.0	6.7
15	19.2	29.5	22.9	76.7	0.0	0.0	0.0	3.7
16	17.8	30.2	23.7	74.0	0.0	65.2	65.2	5.1
17	16.8	28.0	21.6	81.0	0.0	9.7	9.7	4.7
18	18.2	26.0	21.3	85.7	.2	0.0	.2	1.0
19	16.9	26.7	22.1	80.0	0.0	.2	.2	2.7
20	18.9	29.6	22.3	81.3	1.4	8.4	9.8	3.7
21	17.4	22.2	18.4	92.7	10.7	0.0	10.7	0.0
22	14.2	23.8	19.2	86.0	0.0	0.0	0.0	.4
23	16.2	29.5	22.7	74.7	0.0	9.7	9.7	7.7
24	17.9	26.2	20.9	85.3	.1	0.0	.1	.7
25	15.8	30.1	22.1	73.7	0.0	0.0	0.0	8.3
26	17.3	30.2	21.6	80.0	8.6	0.0	8.6	6.5
27	16.6	28.4	22.2	79.7	0.0	.1	.1	2.5
28	19.0	28.2	22.0	83.3	2.7	.6	3.3	2.9
29	18.8	29.2	22.3	80.7	3.3	9.1	12.4	6.2
30	18.6	28.0	21.7	82.3	0.0	0.0	0.0	3.5
31								
TOTAL PROMEDIO	17.6	28.1	22.0	80.0	47.9	143.3	191.2	128.1

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	28.0	22.1	79.7	8.2	6.4	14.6	4.1
2	19.0	27.4	20.7	83.7	5.3	16.4	21.7	2.1
3	17.0	27.0	21.3	83.3	0.0	0.0	0.0	1.7
4	18.4	26.5	21.8	82.0	0.0	77.9	77.9	1.8
5	17.5	22.3	19.7	92.0	.4	11.3	11.7	.1
6	17.4	27.2	21.8	78.3	0.0	0.0	0.0	6.2
7	16.1	28.3	21.1	80.3	.2	0.0	.2	6.6
8	16.5	26.0	20.1	84.0	8.7	3.2	11.9	3.1
9	14.7	28.8	20.8	78.3	0.0	1.5	1.5	8.0
10	16.4	29.6	21.5	75.3	0.0	0.0	0.0	9.8
11	16.2	29.8	21.6	77.3	1.6	.5	2.1	7.8
12	17.7	29.2	22.0	78.7	0.0	0.0	0.0	7.3
13	16.8	28.2	22.1	76.3	0.0	0.0	0.0	6.2
14	17.5	28.3	21.1	82.0	3.3	0.0	3.3	4.9
15	17.0	30.2	22.7	76.7	0.0	0.0	0.0	6.7
16	16.2	28.2	21.9	82.7	0.0	0.0	0.0	5.0
17	16.8	30.0	21.8	77.7	0.0	0.0	0.0	7.4
18	17.3	30.1	22.5	77.3	2.0	0.0	2.0	7.9
19	17.0	26.2	21.7	81.0	0.0	0.0	0.0	0.0
20	18.8	30.4	24.4	72.0	0.0	0.0	0.0	7.8
21	17.2	28.4	22.6	78.0	0.0	0.0	0.0	2.7
22	17.6	26.0	21.0	84.0	1.1	.1	1.2	.4
23	17.0	28.6	22.4	78.0	1.2	15.0	16.2	2.2
24	18.8	26.0	21.0	83.0	4.7	61.4	66.1	.4
25	18.9	29.0	22.9	75.3	0.0	0.0	0.0	5.7
26	17.2	29.2	21.8	80.0	.2	0.0	.2	3.8
27	17.9	25.8	21.3	87.0	0.0	0.0	0.0	.2
28	16.6	26.5	20.1	85.3	4.6	0.0	4.6	3.0
29	16.2	28.2	20.5	81.0	.7	0.0	.7	6.5
30	17.0	27.5	21.8	75.7	0.0	1.5	1.5	2.3
31	17.2	28.0	21.9	79.0	0.0	.8	.8	5.5
TOTAL PROMEDIO	17.2	27.9	21.6	80.2	42.2	196.0	238.2	137.2

ESTACION: PARAGUAICITO  
 AÑO : 1990

DPTO: QUINDIO  
 MPIO: BUENAVISTA

LATITUD : 04° 23'N  
 LONGITUD: 75° 44'W  
 ALTITUD : 1250 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	BRILLO SOL(h)
ENERO	17.4	28.1	21.8	15.5	31.5	78.9	116.0	14	146.2
FEBRERO	17.5	27.5	22.0	15.5	30.5	77.9	184.7	17	90.5
MARZO	17.7	28.3	22.3	14.5	33.0	78.4	262.9	16	124.1
ABRIL	18.0	27.7	22.0	15.5	31.2	80.8	289.4	20	107.8
MAYO	18.3	28.2	22.6	16.0	30.4	79.3	70.3	19	111.3
JUNIO	17.8	28.9	22.8	15.7	32.4	77.8	73.0	9	138.6
JULIO	17.4	29.0	22.6	15.1	31.7	74.7	124.3	14	168.2
AGOSTO	17.0	30.0	23.3	14.0	33.2	69.3	41.0	10	167.4
SEPTIEMBRE	17.4	29.4	22.7	15.2	33.5	73.7	98.9	13	138.9
OCTUBRE	17.6	27.1	21.5	15.4	29.4	80.5	432.8	25	105.3
NOVIEMBRE	17.6	28.1	22.0	14.2	30.8	80.0	191.2	19	128.1
DICIEMBRE	17.2	27.9	21.6	14.7	30.4	80.2	238.2	18	137.2
PROMEDIO	17.6	28.4	22.3			77.6			
ABSOLUTA				14.0	33.5				
TOTAL							2122.7	194	1563.6

ESTACION: EL JAZMIN

DPTO: RISARALDA

LATITUD : 04° 55'N

AÑO : 1990

MPIO: SANTA ROSA DE CABAL

LONGITUD : 75° 38'W

ALTITUD : 1600 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.8	26.0	20.2	80.0	0.0	4.6	4.6	3.8
2	16.0	26.3	20.3	77.0	0.0	.6	.6	6.2
3	16.3	24.2	20.2	79.7	0.0	0.0	0.0	1.2
4	15.8	26.5	21.0	74.7	0.0	.5	.5	5.3
5	15.7	23.0	19.3	81.3	0.0	0.0	0.0	.4
6	16.0	25.1	19.6	81.7	2.4	1.2	3.6	3.0
7	15.9	25.8	19.4	81.7	8.7	1.9	10.6	3.8
8	16.7	20.5	18.4	88.0	10.0	0.0	10.0	0.0
9	16.0	25.5	20.4	79.0	.9	7.8	8.7	3.5
10	16.8	23.8	20.1	81.7	0.0	1.3	1.3	.6
11	16.4	26.2	20.6	76.3	0.0	31.3	31.3	2.0
12	15.6	22.4	17.5	87.3	20.4	0.0	20.4	.1
13	14.9	24.7	19.2	77.0	.5	0.0	.5	4.4
14	16.4	25.8	20.4	76.3	0.0	0.0	0.0	2.8
15	16.6	26.4	21.4	76.0	0.0	0.0	0.0	4.6
16	16.8	25.5	21.4	81.0	0.0	21.3	21.3	3.4
17	16.9	26.5	20.9	82.7	.2	34.3	34.5	3.9
18	16.4	27.0	20.6	80.0	0.0	.7	.7	4.8
19	17.2	24.3	20.3	85.3	2.1	0.0	2.1	2.2
20	16.7	27.8	21.2	77.3	0.0	0.0	0.0	6.4
21	16.0	26.0	20.6	78.0	.2	0.0	.2	3.7
22	17.0	24.8	19.8	85.0	0.0	0.0	0.0	2.5
23	15.4	29.0	21.6	71.7	0.0	0.0	0.0	8.5
24	16.8	27.2	21.3	73.0	0.0	0.0	0.0	4.0
25	16.5	29.0	22.8	67.7	0.0	3.0	3.0	7.2
26	17.3	21.1	18.8	93.3	3.4	0.0	3.4	0.0
27	16.4	27.6	21.7	78.0	0.0	0.0	0.0	4.9
28	16.0	27.4	22.0	74.0	.2	0.0	.2	4.8
29	17.8	28.5	22.2	75.3	0.0	0.0	0.0	6.7
30	17.9	27.2	22.0	77.3	0.0	0.0	0.0	3.4
31	18.0	26.1	21.8	74.7	0.0	0.0	0.0	1.0
TOTAL PROMEDIO	16.5	25.7	20.5	79.1	49.0	108.5	157.5	109.1

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.4	27.5	22.4	78.0	0.0	0.0	0.0	5.3
2	17.3	25.5	20.8	83.3	7.0	0.0	7.0	1.4
3	17.8	25.8	21.3	80.0	0.0	0.0	0.0	2.0
4	18.6	25.0	20.8	84.0	1.1	17.4	18.5	2.3
5	16.9	24.2	19.2	86.0	3.1	3.6	6.7	1.0
6	16.4	25.9	20.4	79.7	0.0	0.0	0.0	2.9
7	17.1	28.3	21.7	78.3	0.0	0.0	0.0	4.0
8	17.9	25.2	20.8	80.0	0.0	46.6	46.6	.6
9	16.5	25.1	20.9	80.3	.3	0.0	.3	3.3
10	17.1	24.5	20.6	84.3	0.0	0.0	0.0	1.3
11	17.8	25.1	20.7	82.3	.3	17.7	18.0	1.5
12	17.0	21.9	18.9	93.0	.6	0.0	.6	0.0
13	17.4	22.8	19.9	80.3	0.0	0.0	0.0	.4
14	16.0	26.4	20.7	78.3	1.5	48.9	50.4	5.6
15	16.5	25.8	21.5	77.7	3.8	0.0	3.8	4.6
16	17.8	26.9	22.3	73.7	0.0	0.0	0.0	4.7
17	17.0	27.3	21.3	70.3	0.0	0.0	0.0	6.6
18	16.2	22.0	19.0	85.7	0.0	13.9	13.9	1.1
19	15.7	22.2	18.5	82.7	.5	.7	1.2	1.3
20	16.0	26.0	19.6	82.3	0.0	0.0	0.0	4.7
21	16.6	26.2	20.4	73.7	0.0	0.0	0.0	5.0
22	15.9	26.0	19.8	76.7	.8	0.0	.8	1.8
23	15.8	26.5	21.2	77.0	0.0	0.0	0.0	2.4
24	16.2	24.6	19.3	83.0	0.0	.3	.3	5.1
25	16.0	25.1	19.6	83.3	.7	2.2	2.9	3.6
26	15.7	20.7	17.8	90.3	2.5	.2	2.7	0.0
27	16.2	24.7	20.2	78.7	.2	.4	.6	3.3
28	16.8	24.9	19.7	77.3	1.8	0.0	1.8	1.8
29								
30								
31								
TOTAL PROMEDIO	16.7	25.1	20.3	80.7	24.2	151.9	176.1	77.6

ESTACION: EL JAZMIN

DPTO: RISARALDA

LATITUD : 04° 55'N

AÑO : 1990

MPIO: SANTA ROSA DE CABAL

LONGITUD: 75° 38'W

ALTITUD : 1600 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.8	24.0	20.3	75.7	0.0	5.0	5.0	2.0
2	15.6	26.8	19.5	77.7	5.1	4.9	10.0	5.6
3	16.1	21.9	17.8	84.3	5.7	.4	6.1	.3
4	14.7	23.0	19.4	81.3	0.0	0.0	0.0	.6
5	16.2	26.3	19.7	77.7	.6	0.0	.6	3.1
6	15.4	27.0	22.0	73.3	0.0	2.9	2.9	5.4
7	17.6	25.0	20.8	89.7	.8	0.0	.8	1.3
8	17.5	27.5	22.1	74.3	0.0	0.0	0.0	4.1
9	16.7	28.0	22.3	71.7	0.0	0.0	0.0	6.4
10	17.5	28.1	22.1	73.0	0.0	0.0	0.0	3.7
11	17.8	26.2	21.4	80.7	0.0	0.0	0.0	.3
12	17.0	29.4	23.6	70.3	0.0	0.0	0.0	5.5
13	19.2	28.3	23.7	76.7	0.0	0.0	0.0	2.5
14	19.0	26.2	21.4	78.7	0.0	0.0	0.0	.4
15	18.6	25.7	21.7	83.3	0.0	31.7	31.7	0.0
16	17.8	25.9	21.3	84.3	0.0	0.0	0.0	.9
17	17.9	26.5	21.4	76.7	0.0	68.4	68.4	4.0
18	16.8	22.4	19.1	89.3	.6	0.0	.6	0.0
19	16.9	26.0	21.5	78.3	0.0	.8	.8	3.4
20	18.0	28.2	21.5	81.0	.1	10.1	10.2	3.2
21	17.6	20.4	18.4	93.0	5.4	0.0	5.4	0.0
22	15.2	28.8	22.5	72.7	0.0	.7	.7	7.3
23	18.6	22.2	19.3	92.3	3.3	6.7	10.0	.5
24	16.2	25.1	20.0	85.3	.4	0.0	.4	1.5
25	17.5	22.3	18.3	93.7	6.1	2.6	8.7	1.0
26	16.0	21.2	17.8	91.7	4.4	7.9	12.3	0.0
27	14.6	25.1	20.2	80.0	0.0	0.0	0.0	4.8
28	16.0	27.0	20.3	78.3	0.0	0.0	0.0	5.6
29	16.4	27.8	22.3	68.0	0.0	0.0	0.0	6.2
30	18.5	28.9	23.1	71.7	0.0	0.0	0.0	7.2
31	18.0	28.2	20.4	83.0	13.1	.2	13.3	5.2
TOTAL PROMEDIO	17.0	25.8	20.8	80.2	45.6	142.3	187.9	92.0

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.9	21.8	18.5	90.3	1.5	0.0	1.5	.4
2	14.7	26.4	20.3	76.3	.9	.3	1.2	4.9
3	17.1	27.5	21.2	79.3	0.0	0.0	0.0	3.6
4	17.8	24.0	19.9	84.3	3.1	9.2	12.3	1.1
5	16.9	25.8	21.2	79.0	0.0	31.7	31.7	1.7
6	17.1	25.1	20.2	80.3	.3	0.0	.3	1.0
7	16.0	27.5	22.5	73.0	0.0	2.8	2.8	8.3
8	17.8	25.3	21.7	75.7	0.0	0.0	0.0	3.0
9	17.5	29.1	23.0	70.3	0.0	0.0	0.0	4.7
10	18.7	28.4	23.2	70.0	0.0	14.8	14.8	6.9
11	18.0	27.9	22.8	75.0	0.0	13.1	13.1	4.5
12	17.4	27.0	22.6	81.0	0.0	2.7	2.7	4.8
13	18.2	26.5	21.9	78.0	0.0	20.2	20.2	3.3
14	17.6	24.4	21.0	85.3	0.0	0.0	0.0	.3
15	17.2	25.6	20.7	83.0	0.0	32.4	32.4	1.6
16	16.0	23.9	19.7	85.3	0.0	0.0	0.0	0.0
17	17.5	25.3	20.5	80.0	1.6	0.0	1.6	2.5
18	17.0	27.6	21.1	77.3	0.0	.4	.4	4.4
19	18.0	25.0	21.2	83.3	.5	0.0	.5	1.3
20	18.1	25.2	20.2	86.0	18.4	27.4	45.8	1.1
21	16.9	21.8	18.4	89.7	.2	0.0	.2	.2
22	16.0	25.3	20.7	78.7	0.0	5.6	5.6	3.7
23	16.1	25.5	20.5	81.3	.3	0.0	.3	1.9
24	17.8	25.0	20.2	84.0	.6	9.8	10.4	.5
25	17.5	23.2	18.9	87.0	9.0	3.1	12.1	0.0
26	16.9	27.3	20.9	77.0	.2	9.7	9.9	3.6
27	16.8	24.2	18.4	89.3	0.0	30.2	30.2	3.4
28	16.0	22.2	19.2	88.3	2.2	7.7	9.9	0.0
29	16.2	24.1	19.9	86.0	3.5	10.9	14.4	1.6
30	16.0	22.7	18.5	90.3	8.1	0.0	8.1	.7
31								
TOTAL PROMEDIO	17.1	25.4	20.6	81.5	50.4	232.0	282.4	75.0

ESTACION: EL JAZMIN

DPTO: RISARALDA

LATITUD : 04° 55'N

AÑO : 1990

MPIO: SANTA ROSA DE CABAL

LONGITUD: 75° 38'W

ALTITUD : 1600 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.8	25.1	19.8	82.3	31.1	.1	31.2	1.8
2	16.2	26.2	20.1	86.0	10.8	.1	10.9	4.1
3	17.3	24.3	19.2	78.0	5.1	2.4	7.5	2.4
4	16.2	26.0	20.0	79.7	12.3	4.5	16.8	1.9
5	16.9	24.9	20.2	85.0	1.0	12.3	13.3	1.4
6	17.0	24.4	20.8	82.7	0.0	2.6	2.6	1.8
7	17.1	26.2	21.0	79.0	4.2	0.0	4.2	3.6
8	17.8	26.0	20.7	84.3	.4	.3	.7	1.4
9	18.4	27.5	21.0	85.0	5.5	2.4	7.9	3.9
10	18.0	28.0	21.9	77.3	0.0	21.1	21.1	5.8
11	16.4	25.5	19.3	82.7	7.6	0.0	7.6	3.7
12	16.6	23.1	20.0	77.3	1.5	.5	2.0	0.0
13	16.9	24.5	19.8	86.3	0.0	9.8	9.8	.9
14	16.5	24.0	20.3	84.0	0.0	0.0	0.0	.4
15	16.4	25.0	20.6	78.0	0.0	0.0	0.0	1.7
16	16.9	28.8	22.5	76.0	0.0	1.9	1.9	5.6
17	17.6	27.2	21.7	78.3	.7	0.0	.7	2.3
18	17.0	27.0	20.9	77.0	3.4	.1	3.5	2.2
19	18.4	26.9	22.3	77.0	0.0	0.0	0.0	3.2
20	18.7	27.0	22.2	77.7	0.0	14.1	14.1	4.1
21	18.2	23.4	20.1	90.3	3.6	.4	4.0	.4
22	17.8	25.0	21.2	81.7	.8	0.0	.8	2.2
23	18.2	25.9	21.0	81.3	0.0	7.3	7.3	4.6
24	17.5	26.0	20.1	86.0	7.3	0.0	7.3	3.5
25	18.0	23.0	20.4	89.3	0.0	0.0	0.0	.3
26	16.5	26.8	20.9	76.7	0.0	1.9	1.9	0.0
27	16.9	24.4	20.5	86.0	8.8	.4	9.2	2.4
28	17.4	24.5	20.3	83.3	2.5	21.0	23.5	2.4
29	16.4	22.4	19.0	87.0	12.7	0.0	12.7	.3
30	15.0	25.0	20.3	76.7	0.0	0.0	0.0	1.1
31	17.0	25.2	20.3	80.7	0.0	0.0	0.0	2.9
TOTAL PROMEDIO	17.2	25.5	20.6	81.7	119.3	103.2	222.5	72.3

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.9	25.0	19.8	80.7	.3	0.0	.3	1.3
2	15.0	26.8	20.5	76.7	0.0	0.0	0.0	4.1
3	18.0	26.1	20.8	81.7	0.0	0.0	0.0	2.2
4	17.5	24.9	20.0	78.7	.8	1.1	1.9	1.9
5	17.3	28.2	21.7	75.7	0.0	0.0	0.0	5.7
6	18.0	29.2	23.3	72.0	0.0	0.0	0.0	7.1
7	17.0	27.8	22.3	68.3	0.0	0.0	0.0	4.3
8	16.8	25.8	21.0	75.3	0.0	0.0	0.0	.6
9	17.4	23.2	19.3	89.3	3.1	8.9	12.0	0.0
10	17.2	21.9	18.7	92.0	10.9	2.1	13.0	.2
11	17.4	23.2	20.1	87.0	0.0	0.0	0.0	0.0
12	17.0	23.1	18.5	90.7	19.0	0.0	19.0	1.9
13	14.9	23.5	18.7	89.7	9.9	0.0	9.9	1.9
14	16.9	25.7	20.9	80.7	0.0	7.3	7.3	2.0
15	17.0	25.0	20.6	81.0	.7	9.2	9.9	2.0
16	16.4	24.9	19.2	83.7	23.9	0.0	23.9	1.5
17	15.8	25.0	19.4	86.3	4.5	0.0	4.5	4.5
18	16.0	28.9	21.7	75.0	0.0	0.0	0.0	8.0
19	17.0	28.2	22.6	73.0	0.0	0.0	0.0	7.7
20	17.5	28.4	22.5	76.7	0.0	0.0	0.0	5.1
21	17.4	28.3	22.4	69.7	0.0	0.0	0.0	6.5
22	18.0	27.4	21.7	72.0	0.0	0.0	0.0	4.1
23	17.0	24.9	20.6	82.0	1.1	15.1	16.2	1.1
24	16.8	23.2	19.6	82.7	11.5	0.0	11.5	.5
25	16.0	26.5	21.0	76.0	0.0	0.0	0.0	5.1
26	16.7	26.0	21.2	74.7	13.6	0.0	13.6	4.6
27	17.6	23.0	19.9	86.7	0.0	0.0	0.0	0.0
28	16.8	28.4	21.3	75.3	.3	0.0	.3	6.7
29	16.9	28.8	22.1	68.7	0.0	0.0	0.0	7.8
30	18.0	27.4	22.0	77.0	0.0	.2	.2	5.2
31								
TOTAL PROMEDIO	16.9	26.0	20.8	79.3	99.6	43.9	143.5	103.6

ESTACION: EL JAZMIN

DPTO: RISARALDA

LATITUD : 04° 55'N

AÑO : 1990

MPIO: SANTA ROSA DE CABAL

LONGITUD: 75° 38'W

ALTITUD : 1600 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	26.7	20.9	79.0	0.0	4.2	4.2	3.0
2	16.8	27.2	20.4	76.7	0.0	0.0	0.0	3.0
3	16.9	26.4	21.8	72.7	0.0	.4	.4	3.4
4	17.3	24.6	20.0	86.7	1.6	1.1	2.7	1.4
5	17.0	21.5	19.5	90.0	6.7	0.0	6.7	1.4
6	15.4	26.8	19.5	78.3	1.4	0.0	1.4	3.6
7	16.6	25.4	19.8	79.3	16.2	6.4	22.6	3.3
8	16.1	27.5	20.9	77.3	.1	.2	.3	5.4
9	16.0	25.1	19.2	85.0	4.8	17.5	22.3	3.7
10	16.2	25.0	19.4	79.0	0.0	0.0	0.0	3.8
11	16.6	24.5	19.2	86.7	2.6	0.0	2.6	2.4
12	16.2	26.0	20.3	78.3	0.0	.5	.5	1.9
13	16.9	26.1	20.6	77.7	0.0	0.0	0.0	3.3
14	16.5	24.0	20.6	83.7	0.0	1.1	1.1	.7
15	16.0	25.1	20.1	84.7	.3	1.3	1.6	2.4
16	16.4	24.2	19.3	86.3	2.2	1.1	3.3	1.4
17	16.8	24.3	19.9	80.7	.3	.3	.6	2.5
18	16.6	25.0	19.8	85.3	1.2	36.2	37.4	3.8
19	15.1	27.0	20.1	74.0	0.0	0.0	0.0	8.5
20	15.0	26.3	20.6	76.0	0.0	20.0	20.0	7.8
21	15.2	26.4	20.4	79.3	0.0	2.7	2.7	6.7
22	15.0	24.3	18.1	81.0	1.1	0.0	1.1	3.7
23	15.4	24.4	19.8	77.7	.3	.4	.7	4.6
24	16.4	28.2	22.0	73.3	0.0	19.1	19.1	8.4
25	16.3	27.7	21.9	73.3	0.0	.8	.8	5.9
26	16.8	25.0	21.0	79.0	.8	0.0	.8	1.3
27	15.6	27.1	21.3	66.3	0.0	0.0	0.0	7.3
28	16.6	26.6	21.8	72.0	0.0	.3	.3	5.0
29	16.8	27.8	21.9	68.3	0.0	9.9	9.9	6.6
30	16.5	25.8	20.8	78.0	.9	0.0	.9	4.9
31	16.0	27.0	21.7	66.0	0.0	0.0	0.0	7.0
TOTAL PROMEDIO	16.2	25.8	20.4	78.4	40.5	123.5	164.0	127.1

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.4	27.1	21.5	63.3	0.0	0.0	0.0	6.3
2	17.0	25.0	20.9	70.3	0.0	25.8	25.8	6.7
3	16.0	26.0	20.7	75.3	0.0	1.4	1.4	3.9
4	16.8	27.0	21.3	66.3	0.0	0.0	0.0	5.2
5	16.4	26.0	20.9	70.0	0.0	0.0	0.0	3.9
6	15.2	29.1	22.2	66.0	0.0	.4	.4	
7	16.8	29.6	21.3	65.0	5.7	0.0	5.7	
8	17.8	27.6	21.8	74.7	0.0	.3	.3	3.8
9	16.8	27.8	21.5	76.7	0.0	0.0	0.0	3.4
10	17.1	25.5	21.1	80.3	0.0	.1	.1	.9
11	17.0	28.4	21.8	76.0	0.0	0.0	0.0	6.8
12	17.1	28.2	22.3	69.7	0.0	0.0	0.0	5.6
13	16.8	26.2	20.6	76.7	0.0	.7	.7	1.9
14	17.5	25.4	20.0	80.7	.3	0.0	.3	3.4
15	15.8	24.1	20.3	80.3	0.0	0.0	0.0	1.1
16	17.2	28.7	21.5	72.7	0.0	0.0	0.0	5.4
17	17.0	29.4	22.8	71.3	0.0	.6	.6	7.6
18	17.7	27.0	21.7	76.7	0.0	0.0	0.0	.6
19	17.8	28.0	22.0	72.7	8.0	.8	8.8	4.7
20	16.7	27.2	21.4	71.3	0.0	0.0	0.0	4.1
21	18.0	28.4	22.5	66.3	0.0	0.0	0.0	4.2
22	17.0	29.5	22.5	59.0	0.0	0.0	0.0	6.1
23	16.8	27.1	21.6	66.3	0.0	0.0	0.0	4.9
24	16.7	26.7	21.8	68.3	0.0	0.0	0.0	3.9
25	16.1	29.0	21.9	63.0	0.0	31.2	31.2	5.7
26	16.4	27.3	20.7	73.0	0.0	0.0	0.0	3.6
27	16.0	25.5	20.6	76.7	0.0	2.3	2.3	3.7
28	16.8	23.4	19.4	86.3	53.9	0.0	53.9	.3
29	15.0	25.4	19.6	84.3	.4	0.0	.4	3.9
30	17.1	26.1	21.1	73.0	0.0	11.8	11.8	3.7
31	15.8	26.5	21.0	71.3	0.0	0.0	0.0	6.0
TOTAL PROMEDIO	16.7	27.0	21.3	72.4	68.3	75.4	143.7	



ESTACION: EL JAZMIN

DPTO: RISARALDA

LATITUD : 04° 55'N

ANO : 1990

MPIO: SANTA ROSA DE CABAL

LONGITUD: 75° 38'W  
ALTITUD : 1600 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.1	25.2	21.0	74.3	0.0	9.8	9.8	2.9
2	15.8	25.5	20.1	76.7	0.0	0.0	0.0	5.4
3	16.5	27.0	21.3	75.3	0.0	0.0	0.0	3.6
4	16.8	28.1	21.9	70.7	0.0	0.0	0.0	3.9
5	16.3	28.8	22.9	68.7	0.0	0.0	0.0	6.2
6	18.6	25.3	21.5	78.7	8.5	0.0	8.5	2.6
7	17.1	28.0	22.4	68.0	0.0	0.0	0.0	6.2
8	16.6	26.2	21.0	79.3	16.0	0.0	16.0	5.0
9	15.8	25.7	20.0	81.7	1.8	0.0	1.8	2.2
10	16.5	28.1	21.0	74.7	0.0	.1	.1	3.3
11	17.0	25.0	21.3	76.0	0.0	23.2	23.2	1.5
12	15.8	26.4	19.6	80.3	3.0	4.2	7.2	6.1
13	16.8	27.4	20.7	73.0	0.0	.9	.9	7.2
14	16.7	20.8	19.0	89.7	1.7	0.0	1.7	1.3
15	15.0	26.2	21.3	66.7	0.0	0.0	0.0	2.7
16	16.5	25.5	18.8	79.7	14.5	0.0	14.5	2.2
17	14.8	28.7	22.0	65.7	0.0	0.0	0.0	5.7
18	17.1	29.4	23.1	61.3	0.0	2.5	2.5	6.2
19	17.3	27.4	21.3	71.3	0.0	2.4	2.4	3.3
20	16.8	27.0	21.0	75.3	0.0	.4	.4	3.1
21	17.1	25.2	20.4	77.3	0.0	7.1	7.1	2.1
22	16.0	24.8	20.3	76.7	0.0	9.9	9.9	1.7
23	16.4	24.9	19.8	84.3	.9	0.0	.9	1.4
24	14.4	25.0	19.7	80.3	.1	0.0	.1	4.5
25	17.0	24.9	19.3	78.7	18.6	0.0	18.6	1.2
26	14.8	28.0	20.6	76.3	1.2	.9	2.1	5.4
27	16.0	25.9	20.8	73.0	0.0	3.4	3.4	5.3
28	17.6	26.5	21.7	74.7	0.0	3.0	3.0	2.3
29	17.8	26.8	21.3	78.7	0.0	0.0	0.0	3.6
30	16.8	26.0	21.5	78.0	.1	11.4	11.5	2.6
31								
TOTAL PROMEDIO	16.5	26.3	20.9	75.5	66.4	79.2	145.6	110.7

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	23.1	19.8	77.3	.1	5.9	6.0	2.6
2	16.9	22.2	18.9	83.0	6.2	6.5	12.7	.4
3	16.7	26.2	20.5	75.0	1.4	0.0	1.4	3.6
4	17.0	26.1	20.4	76.7	0.0	24.3	24.3	3.2
5	16.5	22.1	18.0	88.7	4.7	0.0	4.7	3.7
6	15.8	25.2	19.8	74.3	4.1	0.0	4.1	3.6
7	17.0	24.0	18.9	83.7	6.5	7.3	13.8	.2
8	16.2	25.0	19.8	80.0	0.0	0.0	0.0	1.8
9	17.2	24.1	19.4	83.7	6.2	5.5	11.7	.8
10	16.8	24.2	19.0	86.3	7.3	2.5	9.8	.7
11	16.7	26.4	20.3	78.7	1.0	12.9	13.9	.8
12	16.0	23.2	18.9	85.0	2.6	5.1	7.7	
13	15.9	25.5	19.6	80.3	19.4	0.0	19.4	
14	16.8	24.2	19.9	87.3	4.1	5.5	9.6	0.0
15	16.9	25.7	19.8	83.3	.1	0.0	.1	2.2
16	17.0	26.5	20.8	75.0	5.5	64.3	69.8	5.9
17	16.4	24.8	19.5	80.0	2.6	0.0	2.6	2.3
18	15.5	26.3	20.6	73.0	0.0	0.0	0.0	4.5
19	17.8	24.1	20.5	76.7	0.0	34.9	34.9	2.6
20	15.8	23.9	18.5	83.3	.3	.3	.6	1.6
21	16.2	24.2	18.9	84.3	9.1	1.0	10.1	2.0
22	16.8	20.4	18.1	89.7	7.0	0.0	7.0	.5
23	15.5	25.8	19.8	76.7	0.0	0.0	0.0	2.8
24	17.0	23.8	19.8	81.3	0.0	0.0	0.0	.3
25	16.5	26.5	21.0	77.3	0.0	11.7	11.7	4.0
26	15.7	26.0	20.1	70.0	0.0	0.0	0.0	8.0
27	16.2	26.8	20.0	79.3	.8	0.0	.8	4.3
28	16.7	26.0	20.0	76.7	4.6	.3	4.9	3.6
29	16.8	23.9	19.3	88.7	3.8	.2	4.0	2.0
30	16.1	26.0	20.4	75.0	0.0	11.7	11.7	1.8
31	16.8	25.1	20.0	81.3	.2	0.0	.2	3.3
TOTAL PROMEDIO	16.5	24.8	19.7	80.4	97.6	199.9	297.5	

ESTACION: EL JAZMIN

DPTO: RISARALDA

LATITUD : 04° 55'N

AÑO : 1990

MPIO: SANTA ROSA DE CABAL

LONGITUD: 75° 38'W

ALTITUD : 1600 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	24.0	19.5	78.3	0.0	0.0	0.0	5.0
2	16.9	24.8	19.1	82.7	0.0	27.2	27.2	1.6
3	16.1	23.5	18.9	80.3	0.0	26.1	26.1	1.2
4	14.9	20.4	18.1	86.0	1.2	0.0	1.2	0.0
5	16.0	26.2	19.2	77.3	.8	0.0	.8	2.9
6	14.8	26.2	19.7	75.0	0.0	0.0	0.0	3.8
7	16.9	27.1	21.1	80.0	0.0	0.0	0.0	4.1
8	16.8	27.0	21.3	71.3	0.0	21.3	21.3	6.0
9	16.0	24.6	20.3	78.0	0.0	7.3	7.3	1.4
10	17.0	25.2	20.1	82.3	0.0	0.0	0.0	1.7
11	16.5	25.4	19.7	78.0	6.4	0.0	6.4	3.9
12	16.4	27.3	20.6	74.7	0.0	.1	.1	4.2
13	17.8	26.8	21.3	75.0	0.0	0.0	0.0	3.7
14	17.0	26.3	21.3	73.7	0.0	1.0	1.0	4.2
15	17.6	25.7	21.1	75.0	0.0	0.0	0.0	2.8
16	17.4	25.5	20.6	79.0	0.0	33.9	33.9	1.2
17	16.0	23.7	19.8	83.0	0.0	0.0	0.0	3.0
18	17.0	22.8	18.1	84.7	.1	0.0	.1	.2
19	14.0	27.4	20.4	78.0	0.0	16.0	16.0	6.5
20	17.5	24.1	20.0	86.3	1.2	2.1	3.3	.6
21	15.0	22.4	16.1	90.7	19.1	1.8	20.9	.3
22	13.2	23.0	18.0	84.7	0.0	0.0	0.0	2.7
23	15.2	25.8	19.5	74.3	0.0	1.3	1.3	
24	15.0	23.2	18.6	84.0	.9	0.0	.9	
25	14.7	25.8	20.1	71.0	0.0	11.0	11.0	6.1
26	16.0	25.2	19.6	76.7	2.9	0.0	2.9	3.3
27	16.1	24.2	19.1	80.3	.3	.6	.9	1.3
28	16.8	23.1	18.7	86.7	1.9	0.0	1.9	.6
29	16.2	25.2	19.6	80.0	1.4	2.9	4.3	5.3
30	16.4	23.8	19.4	78.0	0.0	0.0	0.0	3.7
31								
TOTAL PROMEDIO	16.1	24.9	19.6	79.5	36.2	152.6	188.8	

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	25.0	19.9	79.0	11.9	39.7	51.6	4.4
2	16.8	24.0	18.4	85.3	20.8	.5	21.3	1.0
3	15.8	23.2	18.8	80.3	1.1	.2	1.3	.9
4	16.6	23.0	19.2	84.7	.4	40.0	40.4	1.6
5	16.0	20.0	16.7	88.0	14.1	2.7	16.8	0.0
6	15.0	23.2	18.2	84.0	.3	0.0	.3	2.0
7	15.1	24.0	18.8	78.0	.7	2.7	3.4	3.9
8	15.0	22.7	17.7	84.3	11.9	.7	12.6	1.5
9	13.2	23.9	19.3	74.3	0.0	0.0	0.0	6.6
10	14.9	26.8	21.3	69.0	0.0	0.0	0.0	7.8
11	16.8	25.1	19.9	76.7	0.0	0.0	0.0	5.5
12	16.0	26.8	20.3	68.0	0.0	0.0	0.0	7.3
13	15.4	27.0	20.9	71.3	0.0	0.0	0.0	5.6
14	17.0	25.1	21.0	81.7	0.0	0.0	0.0	2.5
15	15.8	28.0	22.2	65.7	0.0	.3	.3	8.3
16	17.0	27.2	21.1	75.0	0.0	0.0	0.0	5.6
17	17.1	26.1	21.5	71.3	0.0	0.0	0.0	3.2
18	17.0	27.1	21.4	71.3	0.0	0.0	0.0	6.5
19	16.4	25.1	20.5	78.0	0.0	0.0	0.0	.6
20	16.6	27.2	21.9	73.0	0.0	0.0	0.0	7.0
21	17.0	26.2	20.8	75.0	0.0	0.0	0.0	.5
22	16.4	25.4	20.3	78.7	0.0	0.0	0.0	1.2
23	16.0	26.2	20.5	69.7	0.0	31.2	31.2	3.1
24	17.2	22.4	19.6	88.3	6.6	13.0	19.6	0.0
25	16.2	24.0	19.4	80.3	0.0	0.0	0.0	2.3
26	16.8	25.7	20.6	76.0	0.0	12.5	12.5	3.3
27	16.0	22.1	19.4	81.0	0.0	0.0	0.0	0.0
28	16.8	22.2	19.1	84.7	0.0	0.0	0.0	.1
29	15.0	25.0	20.0	78.7	0.0	0.0	0.0	3.0
30	15.5	25.9	20.6	73.0	.1	5.2	5.3	4.4
31	16.0	25.0	19.9	71.7	0.0	.6	.6	3.5
TOTAL PROMEDIO	16.1	24.9	20.0	77.3	67.9	149.3	217.2	103.2

ESTACION: EL JAZMIN

DPTO: RISARALDA

LATITUD : 04° 55'N

AÑO : 1990

MPIO: SANTA ROSA DE CABAL

LONGITUD: 75° 38'W

ALTITUD : 1600 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	16.5	25.7	20.5	14.9	29.0	79.1	157.5	19	109.1
FEBRERO	16.7	25.1	20.3	15.7	28.3	80.7	176.1	17	77.6
MARZO	17.0	25.8	20.8	14.6	29.4	80.2	187.9	18	92.0
ABRIL	17.1	25.4	20.6	14.7	29.1	81.5	282.4	25	75.0
MAYO	17.2	25.5	20.6	15.0	28.8	81.7	222.5	25	72.3
JUNIO	16.9	26.0	20.8	14.9	29.2	79.3	143.5	15	103.6
JULIO	16.2	25.8	20.4	15.0	28.2	78.4	164.0	25	127.1
AGOSTO	16.7	27.0	21.3	15.0	29.6	72.4	143.7	15	
SEPTIEMBRE	16.5	26.3	20.9	14.4	29.4	75.5	145.6	22	110.7
OCTUBRE	16.5	24.8	19.7	15.5	26.8	80.4	297.5	26	
NOVIEMBRE	16.1	24.9	19.6	13.2	27.4	79.5	188.8	21	
DICIEMBRE	16.1	24.9	20.0	13.2	28.0	77.3	217.2	14	103.2
PROMEDIO	16.6	25.6	20.4			78.8			
ABSOLUTA				13.2	29.6				
TOTAL							2326.7	242	

ESTACION: LA CATALINA

DPTO: RISARALDA

LATITUD : 04° 45'N

AÑO : 1990

MPIO: PEREIRA

LONGITUD: 75° 45'W  
ALTITUD : 1350 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.5	27.1	21.7	78.7	0.0	4.2	4.2	4.9
2	17.4	26.0	21.8	76.0	0.0	.5	.5	6.3
3	17.6	25.4	21.7	78.0	0.0	0.0	0.0	3.6
4	17.8	27.5	21.4	79.7	.1	0.0	.1	6.2
5	17.5	24.5	20.4	82.7	0.0	1.6	1.6	6.2
6	18.0	26.5	20.9	81.3	4.2	13.2	17.4	3.2
7	17.4	26.4	21.4	82.3	0.0	2.9	2.9	2.4
8	17.5	23.2	20.6	86.3	3.2	0.0	3.2	.1
9	17.6	26.6	20.9	80.3	0.0	3.7	3.7	4.9
10	18.0	25.5	21.0	81.7	.2	0.0	.2	1.2
11	17.8	26.9	21.0	82.0	0.0	0.0	0.0	3.2
12	18.0	22.8	19.2	90.3	15.2	0.0	15.2	.2
13	16.0	26.8	21.2	82.0	11.8	.4	12.2	4.9
14	17.5	26.0	21.7	78.7	0.0	0.0	0.0	3.7
15	17.2	27.5	22.5	77.7	0.0	0.0	0.0	6.4
16	17.5	26.4	22.1	78.7	0.0	5.0	5.0	4.7
17	17.8	28.0	22.6	78.3	0.0	0.0	0.0	6.4
18	18.3	28.2	22.4	76.3	0.0	0.0	0.0	7.3
19	18.2	27.0	21.4	82.7	5.3	0.0	5.3	2.9
20	17.6	28.8	22.5	78.0	0.0	0.0	0.0	6.6
21	17.0	28.2	21.6	76.7	0.0	13.1	13.1	6.6
22	17.8	26.9	21.0	84.0	0.0	0.0	0.0	5.1
23	17.0	30.2	22.6	77.3	1.5	0.0	1.5	8.8
24	17.5	29.5	23.1	72.7	0.0	0.0	0.0	7.0
25	18.0	30.6	24.3	70.3	0.0	0.0	0.0	10.1
26	17.3	24.8	21.0	86.7	.8	.1	.9	0.0
27	18.5	29.6	23.5	71.3	0.0	0.0	0.0	7.0
28	17.5	28.8	23.3	74.7	0.0	0.0	0.0	5.8
29	17.3	29.4	23.9	74.0	0.0	0.0	0.0	7.6
30	17.4	29.2	23.1	74.7	0.0	0.0	0.0	5.1
31	19.3	27.8	23.1	79.0	0.0	0.0	0.0	1.8
TOTAL PROMEDIO	17.6	27.2	21.9	79.1	42.3	44.7	87.0	144.2

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	28.5	22.4	75.7	0.0	0.0	0.0	4.4
2	18.5	27.5	22.1	80.3	0.0	0.0	0.0	1.3
3	18.6	27.2	23.0	77.0	0.0	0.0	0.0	1.6
4	19.8	26.6	21.6	83.3	16.2	6.4	22.6	.9
5	18.5	25.5	19.9	89.7	3.2	12.1	15.3	2.0
6	17.0	25.0	23.6	81.3	0.0	0.0	0.0	3.8
7	17.8	28.0	22.8	76.3	0.0	0.0	0.0	4.1
8	18.8	28.8	22.0	80.3	5.9	34.2	40.1	3.4
9	16.8	26.5	21.5	81.7	.5	3.9	4.4	3.8
10	17.8	27.0	22.7	81.7	.2	0.0	.2	3.2
11	18.9	26.8	22.6	80.7	.2	11.8	12.0	3.4
12	18.5	24.5	21.5	83.7	1.6	0.0	1.6	.4
13	18.4	22.5	20.6	89.0	0.0	0.0	0.0	0.0
14	17.4	28.4	21.6	83.7	6.5	4.8	11.3	6.4
15	18.8	28.0	22.3	78.0	6.4	0.0	6.4	5.7
16	19.0	28.5	22.8	72.7	0.0	0.0	0.0	6.9
17	18.2	29.2	22.5	68.7	0.0	0.0	0.0	7.5
18	17.6	23.4	20.0	87.7	.1	.6	.7	1.1
19	17.4	26.2	20.8	77.3	.3	0.0	.3	1.8
20	17.5	27.5	20.4	81.0	1.2	0.0	1.2	3.8
21	17.0	28.8	20.2	80.3	23.0	0.0	23.0	6.6
22	16.8	26.9	20.1	76.3	4.2	0.0	4.2	2.8
23	17.4	26.2	21.8	80.7	0.0	0.0	0.0	2.1
24	18.0	24.0	20.4	86.3	0.0	15.8	15.8	2.9
25	17.5	26.5	21.4	79.7	0.0	1.8	1.8	4.0
26	16.9	23.6	19.6	81.7	0.0	0.0	0.0	.1
27	17.0	26.8	21.3	75.7	0.0	0.0	0.0	4.6
28	17.5	26.5	21.1	74.0	0.0	0.0	0.0	1.6
29								
30								
31								
TOTAL PROMEDIO	17.9	26.6	21.5	80.2	69.5	91.4	160.9	90.2

ESTACION: LA CATALINA

DPTO: RISARALDA

LATITUD : 04° 45'N

AÑO : 1990

MPIO: PEREIRA

LONGITUD: 75° 45'W

ALTITUD : 1350 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.6	26.2	21.1	77.3	0.0	0.0	0.0	3.5
2	16.8	27.6	21.0	74.7	.6	0.0	.6	5.5
3	18.0	22.5	19.2	86.3	2.4	0.0	2.4	0.0
4	15.2	24.0	20.0	78.3	0.0	0.0	0.0	.9
5	17.5	25.4	21.4	80.0	1.2	0.0	1.2	1.9
6	16.2	29.3	22.9	75.7	.5	4.5	5.0	7.6
7	18.3	27.4	22.8	80.0	0.0	0.0	0.0	7.1
8	18.2	28.6	23.3	72.0	0.0	0.0	0.0	4.0
9	17.5	29.5	23.1	73.7	1.3	0.0	1.3	7.5
10	18.0	29.4	22.8	73.7	0.0	0.0	0.0	6.1
11	18.8	28.2	23.4	74.7	0.0	0.0	0.0	1.3
12	18.4	31.5	24.2	72.7	0.0	0.0	0.0	8.4
13	19.3	30.1	23.4	77.3	0.0	0.0	0.0	4.1
14	19.1	27.2	22.4	78.3	0.0	0.0	0.0	1.4
15	18.8	25.6	21.7	88.3	0.0	4.8	4.8	0.0
16	17.8	26.6	22.4	85.0	.2	0.0	.2	2.2
17	18.8	29.0	22.4	79.3	12.0	14.0	26.0	2.4
18	17.5	24.0	20.4	89.0	.4	.2	.6	.1
19	18.0	26.9	22.3	79.3	0.0	0.0	0.0	3.1
20	18.8	28.2	22.1	79.3	0.0	0.0	0.0	3.4
21	19.4	22.0	19.4	93.3	5.0	0.0	5.0	0.0
22	15.8	29.1	23.0	73.3	0.0	.2	.2	8.4
23	19.4	24.4	21.3	88.7	0.0	21.4	21.4	.7
24	17.8	26.5	21.1	81.7	.6	0.0	.6	1.6
25	18.5	24.2	19.2	89.3	1.5	1.8	3.3	.2
26	17.0	23.2	18.8	92.7	3.7	10.2	13.9	.2
27	15.0	27.0	20.4	77.7	0.0	0.0	0.0	7.7
28	17.2	28.2	22.5	76.0	0.0	0.0	0.0	5.6
29	18.0	29.5	23.2	75.3	0.0	0.0	0.0	9.7
30	19.4	29.6	23.8	73.7	0.0	.3	.3	7.6
31	19.0	28.8	21.3	80.0	26.1	1.1	27.2	5.5
TOTAL					55.5	58.5	114.0	117.7
PROMEDIO	17.9	27.1	21.8	79.9				

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	23.0	19.6	87.3	0.0	0.0	0.0	.6
2	16.7	27.4	22.0	79.0	0.0	.8	.8	5.6
3	17.8	28.3	21.6	79.0	0.0	0.0	0.0	4.2
4	18.4	26.6	21.6	78.0	2.5	16.6	19.1	2.2
5	17.5	26.5	21.7	84.7	.2	0.0	.2	4.3
6	18.0	26.6	21.0	84.0	.4	0.0	.4	.6
7	17.4	27.5	22.0	81.3	0.0	0.0	0.0	5.5
8	18.5	28.0	22.9	73.7	0.0	0.0	0.0	4.7
9	18.0	30.0	23.8	70.7	1.5	0.0	1.5	6.7
10	18.5	29.8	22.3	79.7	.6	.1	.7	7.0
11	18.7	29.4	23.9	75.0	0.0	0.0	0.0	6.4
12	19.5	29.2	23.5	75.3	2.8	0.0	2.8	3.3
13	19.4	28.2	22.8	80.3	.7	0.0	.7	4.0
14	19.2	27.1	23.0	80.3	0.0	1.5	1.5	3.3
15	18.5	28.8	22.1	81.0	3.7	46.7	50.4	3.7
16	17.2	22.2	19.8	90.0	.4	0.0	.4	0.0
17	17.6	28.8	21.8	78.7	0.0	18.8	18.8	6.2
18	17.8	28.0	21.5	81.7	0.0	0.0	0.0	4.2
19	18.6	27.3	21.9	79.3	8.7	0.0	8.7	3.2
20	18.5	27.5	21.2	84.7	5.7	18.6	24.3	3.0
21	18.0	24.6	20.4	85.3	0.0	0.0	0.0	.4
22	17.2	28.6	21.5	78.0	.6	10.5	11.1	6.3
23	17.4	24.6	21.3	83.0	0.0	2.6	2.6	1.1
24	18.6	25.5	21.3	84.0	1.6	1.5	3.1	.3
25	18.4	25.6	20.2	86.0	8.4	.8	9.2	.9
26	17.0	26.2	21.8	79.3	0.0	16.6	16.6	2.8
27	17.5	25.0	20.2	85.0	4.2	5.4	9.6	3.7
28	17.6	26.0	20.6	86.0	2.5	8.9	11.4	2.5
29	17.0	25.0	21.1	82.3	0.0	0.0	0.0	3.3
30	17.8	23.6	20.8	82.7	0.0	12.4	12.4	.1
31								
TOTAL					44.5	161.8	206.3	100.1
PROMEDIO	18.0	26.8	21.6	81.2				

ESTACION: LA CATALINA

DPTO: RISARALDA

LATITUD : 04° 45'N

LONGITUD: 75° 45'W

AÑO : 1990

MPIO: PEREIRA

ALTITUD : 1350 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.6	27.2	21.4	78.7	0.0	0.0	0.0	4.7
2	17.0	27.0	21.4	80.0	0.0	0.0	0.0	4.5
3	17.1	27.2	19.9	78.3	40.3	22.5	62.8	4.1
4	16.9	25.8	20.4	82.3	10.5	15.1	25.6	3.0
5	17.5	26.0	21.1	82.0	1.9	12.8	14.7	2.4
6	17.8	25.0	21.4	85.7	0.0	0.0	0.0	1.1
7	18.6	27.4	22.1	78.7	4.4	0.0	4.4	4.7
8	19.2	25.0	21.8	86.0	0.0	0.0	0.0	1.1
9	18.8	28.2	22.1	80.0	12.9	.3	13.2	7.0
10	18.5	27.6	22.2	80.7	0.0	2.4	2.4	5.7
11	18.4	27.5	21.4	77.3	.6	0.0	.6	6.1
12	17.5	24.9	21.1	84.0	.9	2.7	3.6	.4
13	18.2	25.0	21.3	87.3	.2	19.2	19.4	1.2
14	18.0	25.6	21.0	80.0	4.6	0.0	4.6	.8
15	17.5	26.1	21.0	87.0	0.0	0.0	0.0	3.2
16	18.3	28.9	23.2	77.3	0.0	0.0	0.0	7.3
17	19.8	27.5	23.0	78.3	.6	0.0	.6	3.1
18	19.0	28.2	22.7	78.7	.1	0.0	.1	6.5
19	18.4	27.6	23.9	68.7	4.6	0.0	4.6	5.1
20	18.8	26.7	23.4	80.3	0.0	.3	.3	4.1
21	19.0	25.1	22.0	84.3	0.0	0.0	0.0	.5
22	19.4	27.5	22.6	80.3	0.0	0.0	0.0	2.5
23	19.2	27.8	22.9	76.7	0.0	0.0	0.0	3.5
24	18.5	25.0	20.1	89.7	9.2	.4	9.6	2.1
25	18.8	24.6	21.3	83.3	.4	0.0	.4	.3
26	17.8	26.8	22.1	80.7	0.0	0.0	0.0	4.4
27	17.4	26.5	21.0	83.7	0.0	0.0	0.0	2.6
28	17.6	25.4	21.4	87.3	1.6	18.5	20.1	3.9
29	17.0	23.0	20.0	91.3	3.9	0.0	3.9	.3
30	17.2	25.5	21.0	84.3	0.0	0.0	0.0	2.4
31	18.0	25.4	21.5	82.3	.7	0.0	.7	2.5
TOTAL PROMEDIO	18.1	26.4	21.6	81.8	97.4	94.2	191.6	101.1

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.5	26.4	21.2	79.7	.4	0.0	.4	3.8
2	15.6	28.2	21.5	76.7	0.0	0.0	0.0	5.3
3	18.5	27.5	22.5	75.0	0.0	0.0	0.0	3.7
4	18.0	26.2	20.2	84.7	36.7	0.0	36.7	2.8
5	17.8	28.5	22.4	77.7	0.0	0.0	0.0	6.6
6	18.0	29.2	24.1	75.3	0.0	0.0	0.0	7.0
7	17.4	28.8	22.8	77.3	0.0	0.0	0.0	6.3
8	17.8	25.2	21.3	83.3	0.0	.1	.1	.2
9	18.2	24.4	21.0	87.3	.5	2.0	2.5	0.0
10	18.6	24.6	20.6	87.0	11.7	5.1	16.8	.3
11	18.0	24.5	21.3	86.0	0.0	0.0	0.0	.1
12	19.0	25.4	21.2	87.3	0.0	0.0	0.0	3.0
13	16.5	25.8	20.7	81.7	0.0	0.0	0.0	4.0
14	18.0	27.5	21.1	81.0	1.2	2.7	3.9	2.8
15	17.6	28.0	21.1	84.3	2.4	28.3	30.7	2.7
16	17.7	27.0	21.5	79.7	0.0	0.0	0.0	5.4
17	17.2	25.2	21.9	82.3	0.0	0.0	0.0	8.5
18	17.3	28.6	23.2	75.7	0.0	0.0	0.0	8.3
19	17.8	29.0	23.7	75.0	0.0	0.0	0.0	7.4
20	18.0	30.6	24.6	64.3	0.0	0.0	0.0	7.9
21	17.5	30.5	24.5	59.3	0.0	0.0	0.0	8.8
22	18.8	29.2	23.1	76.3	1.2	0.0	1.2	4.9
23	17.8	27.0	21.9	82.7	0.0	.8	.8	2.3
24	17.5	25.0	19.9	90.0	5.3	0.0	5.3	1.6
25	17.0	27.0	22.2	81.3	0.0	0.0	0.0	4.3
26	16.8	27.5	22.7	74.7	0.0	0.0	0.0	6.1
27	17.6	25.2	21.6	83.3	0.0	0.0	0.0	0.0
28	17.5	28.7	23.6	64.3	0.0	0.0	0.0	7.2
29	17.0	30.8	24.8	58.0	0.0	0.0	0.0	10.5
30	18.5	29.5	23.4	76.7	0.0	0.0	0.0	4.9
31								
TOTAL PROMEDIO	17.7	27.4	22.2	78.3	59.4	39.0	98.4	136.7

ESTACION: LA CATALINA

DPTO: RISARALDA

LATITUD : 04° 45'N

ANO : 1990

MPIO: PEREIRA

LONGITUD: 75° 45'W  
ALTITUD : 1350 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.8	29.4	21.5	79.3	1.6	0.0	1.6	5.0
2	17.6	28.5	22.7	73.7	0.0	0.0	0.0	3.7
3	17.8	28.6	23.2	72.0	0.0	0.0	0.0	4.7
4	18.5	27.5	21.3	80.3	11.4	0.0	11.4	3.4
5	17.7	26.0	20.8	84.7	0.0	0.0	0.0	2.8
6	15.8	27.5	21.5	75.0	1.2	0.0	1.2	5.7
7	17.5	26.2	22.8	77.0	0.0	12.5	12.5	4.6
8	16.5	27.0	21.9	79.3	0.0	16.7	16.7	4.5
9	16.7	27.5	21.6	78.3	.1	6.6	6.7	4.8
10	17.0	25.5	20.4	82.7	.6	0.0	.6	3.0
11	17.1	27.0	21.2	78.0	3.5	0.0	3.5	3.8
12	16.8	27.8	21.6	80.7	0.0	1.8	1.8	4.5
13	17.0	28.4	21.6	77.0	0.0	0.0	0.0	5.2
14	17.4	26.2	21.4	77.0	.2	0.0	.2	3.2
15	17.5	26.0	21.6	83.3	1.1	0.0	1.1	4.5
16	17.8	25.8	20.8	85.0	.7	1.7	2.4	2.8
17	18.0	25.4	21.4	81.7	.3	.8	1.1	3.3
18	16.6	27.8	21.1	75.3	0.0	6.4	6.4	4.7
19	16.0	27.2	21.4	75.7	.1	0.0	.1	8.2
20	15.8	27.8	21.6	75.0	.2	4.2	4.4	8.4
21	16.5	29.1	20.0	85.0	.9	2.1	3.0	8.1
22	14.9	26.2	20.9	78.7	0.0	0.0	0.0	4.2
23	16.2	27.0	21.0	77.3	.7	0.0	.7	5.7
24	17.8	29.0	23.7	70.0	0.0	0.0	0.0	7.4
25	17.4	29.2	23.3	70.0	0.0	0.0	0.0	8.0
26	16.7	27.0	21.6	77.3	0.0	0.0	0.0	4.8
27	16.4	28.6	22.8	71.3	0.0	0.0	0.0	7.2
28	17.0	30.7	23.7	63.0	0.0	0.0	0.0	8.6
29	17.2	28.6	23.8	70.3	0.0	0.0	0.0	7.3
30	17.6	31.0	25.1	53.7	0.0	0.0	0.0	10.1
31	16.7	30.0	24.1	51.7	0.0	0.0	0.0	9.5
TOTAL PROMEDIO	17.0	27.7	22.0	75.5	22.6	52.8	75.4	171.7

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.5	29.0	22.7	64.3	0.0	0.0	0.0	7.0
2	17.3	27.0	22.1	76.3	0.0	0.0	0.0	3.0
3	17.4	30.0	23.9	60.7	0.0	0.0	0.0	7.4
4	17.0	28.8	22.8	66.0	0.0	0.0	0.0	8.0
5	16.4	28.4	21.9	68.0	0.0	0.0	0.0	7.2
6	16.5	30.5	24.5	63.7	0.0	0.0	0.0	9.0
7	17.8	29.2	22.7	76.7	1.6	0.0	1.6	5.9
8	18.0	28.8	23.0	72.7	1.4	0.0	1.4	6.2
9	18.2	30.0	23.7	65.3	0.0	0.0	0.0	8.6
10	17.5	29.2	24.2	61.0	0.0	0.0	0.0	2.5
11	16.5	29.9	23.6	59.7	0.0	0.0	0.0	7.4
12	17.0	29.8	23.5	68.3	0.0	0.0	0.0	8.1
13	18.0	25.7	20.8	83.0	6.0	0.0	6.0	3.2
14	18.5	25.8	19.8	92.7	6.3	0.0	6.3	1.2
15	16.9	27.2	21.8	75.3	0.0	0.0	0.0	5.3
16	18.5	29.8	22.8	74.0	0.0	0.0	0.0	4.5
17	17.8	30.0	24.0	67.7	.4	0.0	.4	8.4
18	18.0	28.5	23.1	73.3	0.0	.4	.4	2.6
19	17.8	30.2	23.4	70.0	0.0	0.0	0.0	7.1
20	17.8	28.2	23.7	63.3	0.0	0.0	0.0	5.3
21	19.0	31.0	25.5	49.0	0.0	0.0	0.0	6.1
22	16.9	29.8	23.8	61.7	0.0	0.0	0.0	6.2
23	17.8	30.4	23.9	62.0	0.0	0.0	0.0	7.3
24	16.8	31.5	23.2	66.0	0.0	0.0	0.0	9.8
25	17.0	30.6	22.7	75.7	.1	1.9	2.0	9.3
26	17.5	27.5	20.4	79.3	.2	0.0	.2	3.6
27	16.0	28.8	21.9	74.0	0.0	1.7	1.7	5.9
28	18.4	26.2	20.6	81.0	1.0	0.0	1.0	1.3
29	16.0	26.8	20.6	84.0	.4	0.0	.4	2.9
30	17.8	27.8	22.2	75.0	0.0	3.0	3.0	3.3
31	15.8	28.0	21.8	71.0	.2	0.0	.2	5.8
TOTAL PROMEDIO	17.4	28.9	22.7	70.3	17.6	7.0	24.6	179.4

ESTACION: LA CATALINA

DPTO: RISARALDA

LATITUD : 04° 45'N

ANO : 1990

MPIO: PEREIRA

LONGITUD: 75° 45'W  
ALTITUD : 1350 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	28.3	22.0	72.7	0.0	0.0	0.0	4.6
2	17.0	28.0	22.3	73.7	0.0	0.0	0.0	4.7
3	17.8	28.5	22.6	74.3	0.0	0.0	0.0	4.9
4	17.4	28.8	22.1	75.0	.1	0.0	.1	3.2
5	17.0	29.8	23.7	68.7	0.0	0.0	0.0	7.1
6	17.8	26.4	22.3	79.3	.4	0.0	.4	1.8
7	18.2	29.8	23.3	69.7	0.0	0.0	0.0	5.3
8	18.0	26.8	20.9	83.0	2.1	0.0	2.1	3.6
9	17.4	28.0	21.8	79.7	.1	0.0	.1	4.6
10	17.5	28.8	22.4	76.3	0.0	.2	.2	4.3
11	18.0	26.5	21.9	76.7	0.0	2.1	2.1	.6
12	17.3	28.2	21.3	76.3	0.0	.2	.2	5.5
13	16.8	30.5	21.3	75.3	1.0	.3	1.3	8.1
14	17.5	26.5	20.8	80.0	0.0	0.0	0.0	3.0
15	16.5	28.4	22.6	70.3	0.0	0.0	0.0	3.2
16	17.0	27.2	22.2	69.3	2.0	0.0	2.0	4.0
17	16.3	30.6	23.5	70.0	0.0	0.0	0.0	8.1
18	17.2	31.0	23.6	66.7	0.0	0.0	0.0	6.3
19	17.8	29.2	21.9	78.0	1.9	6.7	8.6	3.0
20	17.5	28.8	23.2	68.0	0.0	0.0	0.0	6.9
21	17.8	28.0	21.8	76.0	.2	23.1	23.3	4.7
22	16.8	24.7	21.0	79.7	0.0	.1	.1	1.9
23	18.0	25.2	19.5	89.0	3.1	.1	3.2	1.4
24	15.5	28.2	22.0	72.7	0.0	0.0	0.0	4.8
25	17.5	28.0	21.2	76.3	3.7	0.0	3.7	4.0
26	16.5	28.2	21.8	75.3	.2	11.3	11.5	6.3
27	16.8	26.3	21.4	80.3	.1	0.0	.1	5.3
28	18.0	29.0	23.1	75.3	0.0	0.0	0.0	5.4
29	18.5	28.0	23.1	76.3	1.1	0.0	1.1	4.6
30	17.5	27.2	22.3	78.3	2.0	6.9	8.9	2.8
31								
TOTAL PROMEDIO	17.4	28.1	22.1	75.4	18.0	51.0	69.0	134.0

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.6	26.7	20.7	84.0	1.9	36.5	38.4	2.1
2	17.5	23.8	19.3	92.0	3.5	0.0	3.5	.4
3	17.8	26.8	21.9	75.0	0.0	0.0	0.0	4.8
4	17.6	27.5	21.8	75.3	0.0	19.5	19.5	4.1
5	17.5	23.9	19.1	85.0	1.7	0.0	1.7	1.3
6	17.0	27.0	20.7	82.0	6.8	2.5	9.3	5.0
7	18.0	25.2	20.1	83.0	3.7	26.6	30.3	.4
8	16.5	25.8	21.3	80.3	0.0	0.0	0.0	2.9
9	18.0	27.0	21.3	79.7	.5	2.0	2.5	2.5
10	17.5	25.0	20.4	87.3	.8	.4	1.2	2.0
11	18.0	27.2	21.0	82.7	9.0	36.1	45.1	2.2
12	16.5	26.0	20.7	86.3	.1	4.2	4.3	3.3
13	16.6	26.7	20.7	90.3	.8	1.3	2.1	4.6
14	18.2	26.4	21.7	83.7	.5	1.2	1.7	0.0
15	18.0	25.7	20.9	80.3	1.0	.3	1.3	0.0
16	17.2	27.8	21.7	79.3	0.0	22.9	22.9	0.0
17	16.8	27.6	21.1	78.7	.2	0.0	.2	0.0
18	16.2	28.2	21.1	79.3	0.0	24.2	24.2	0.0
19	18.0	25.2	21.1	80.7	0.0	28.6	28.6	0.0
20	16.2	24.1	19.6	86.3	.1	.8	.9	0.0
21	17.2	27.2	21.2	82.7	0.0	.5	.5	0.0
22	17.8	22.8	19.1	88.0	11.9	0.0	11.9	0.0
23	16.9	26.4	20.4	74.7	0.0	0.0	0.0	0.0
24	17.4	25.5	20.8	82.7	0.0	0.0	0.0	0.0
25	17.8	28.2	22.5	76.3	0.0	37.7	37.7	2.4
26	15.9	26.5	20.8	77.0	0.0	0.0	0.0	8.7
27	16.8	27.8	22.1	71.7	0.0	4.4	4.4	6.3
28	17.2	27.5	21.3	81.0	.7	0.0	.7	5.2
29	17.0	24.2	21.0	85.3	.1	0.0	.1	.9
30	17.4	28.2	22.3	73.7	0.0	3.0	3.0	4.6
31	18.0	29.2	21.7	79.7	0.0	24.4	24.4	6.0
TOTAL PROMEDIO	17.3	26.4	20.9	81.4	43.3	277.1	320.4	69.7



ESTACION: LA CATALINA

DPTO: RISARALDA

LATITUD : 04° 45'N

ANO : 1990

MPIO: PEREIRA

LONGITUD : 75° 45'W

ALTITUD : 1350 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.5	26.5	20.8	81.3	.4	0.0	.4	4.1
2	18.5	25.8	20.5	83.3	0.0	0.0	0.0	1.6
3	18.0	26.5	21.4	78.3	0.0	5.4	5.4	2.0
4	17.3	24.2	20.0	90.0	2.3	0.0	2.3	.1
5	17.5	27.0	20.5	80.7	4.7	0.0	4.7	2.2
6	17.0	28.2	22.0	78.7	0.0	1.5	1.5	5.9
7	17.8	29.3	22.7	79.3	0.0	0.0	0.0	7.1
8	18.0	29.5	22.5	78.7	1.8	.3	2.1	8.3
9	18.6	27.2	22.0	81.7	0.0	0.0	0.0	2.1
10	19.2	25.5	20.6	83.0	5.3	0.0	5.3	.8
11	16.8	28.2	22.1	78.0	0.0	0.0	0.0	7.5
12	18.0	29.8	22.0	81.3	1.5	0.0	1.5	5.6
13	18.8	28.5	23.2	74.7	0.0	0.0	0.0	5.0
14	18.6	28.9	22.3	79.7	4.8	0.0	4.8	4.9
15	18.5	29.0	23.0	81.0	.6	0.0	.6	6.1
16	19.0	29.2	22.9	75.0	0.0	22.1	22.1	4.2
17	17.0	26.6	21.6	80.0	0.0	0.0	0.0	3.3
18	18.0	25.0	21.0	84.7	0.0	0.0	0.0	.7
19	16.0	27.8	22.2	76.3	0.0	0.0	0.0	8.5
20	18.8	28.0	23.0	78.7	0.0	.1	.1	1.2
21	17.0	22.2	18.0	93.3	8.1	0.0	8.1	.1
22	15.0	24.7	19.6	84.0	0.0	0.0	0.0	3.0
23	17.0	28.4	21.3	81.7	0.0	3.7	3.7	4.8
24	16.8	26.2	20.5	81.3	0.0	0.0	0.0	5.3
25	17.0	28.6	22.4	74.3	0.0	0.0	0.0	9.2
26	18.0	29.2	22.5	73.7	0.0	0.0	0.0	6.2
27	17.2	27.5	21.6	79.7	0.0	0.0	0.0	2.5
28	18.8	27.0	20.9	85.3	4.3	0.0	4.3	1.7
29	17.8	28.5	20.9	81.0	15.3	5.7	21.0	5.7
30	18.0	26.4	21.9	78.7	0.0	0.0	0.0	3.7
31								
TOTAL PROMEDIO	17.7	27.3	21.5	80.6	49.1	38.8	87.9	123.4

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.8	26.0	22.1	83.0	.6	.3	.9	2.4
2	18.7	26.5	20.2	86.0	7.5	.6	8.1	2.0
3	17.0	26.0	20.7	80.7	0.0	13.1	13.1	1.6
4	17.8	25.8	21.2	82.0	3.9	15.7	19.6	2.4
5	17.4	22.6	19.0	87.3	4.9	12.5	17.4	.7
6	16.5	26.2	20.7	81.7	0.0	0.0	0.0	4.7
7	17.8	26.0	20.8	80.7	4.4	.1	4.5	3.1
8	18.0	24.2	19.4	87.3	3.4	.3	3.7	1.6
9	14.6	27.0	20.9	81.3	0.0	0.0	0.0	9.3
10	16.0	28.0	21.6	76.0	0.0	0.0	0.0	8.9
11	17.1	27.8	21.4	75.3	0.0	0.0	0.0	5.8
12	17.0	26.5	22.2	79.7	0.0	0.0	0.0	5.6
13	16.9	28.2	22.2	75.0	0.0	0.0	0.0	9.2
14	17.8	28.0	22.5	77.7	0.0	0.0	0.0	4.3
15	17.0	30.0	23.4	71.7	0.0	0.0	0.0	9.0
16	17.1	28.2	22.1	79.3	.4	0.0	.4	5.1
17	17.6	29.0	22.8	78.0	0.0	0.0	0.0	6.6
18	18.0	29.2	22.0	81.0	6.1	0.0	6.1	7.2
19	17.8	26.2	21.2	84.3	0.0	0.0	0.0	.9
20	18.9	29.3	22.6	76.7	17.9	0.0	17.9	6.3
21	17.8	27.8	22.1	79.3	0.0	0.0	0.0	2.2
22	18.0	26.2	21.5	81.7	0.0	0.0	0.0	.3
23	18.4	27.5	22.5	79.7	0.0	.3	.3	3.9
24	18.6	25.0	21.1	86.7	0.0	.5	.5	.3
25	18.2	26.2	21.5	81.3	2.5	0.0	2.5	2.3
26	17.8	28.0	21.6	82.7	8.7	0.0	8.7	4.5
27	17.4	24.0	20.1	90.3	1.6	2.0	3.6	0.0
28	18.0	24.6	20.6	88.3	.3	0.0	.3	.3
29	17.5	27.3	20.3	82.7	.6	0.0	.6	4.1
30	16.0	27.0	20.9	80.0	0.0	16.5	16.5	3.7
31	17.0	26.8	21.1	78.7	0.0	0.0	0.0	4.6
TOTAL PROMEDIO	17.5	26.8	21.3	81.2	62.8	61.9	124.7	122.9

ESTACION: LA CATALINA  
 AÑO : 1990

DPTO: RISARALDA  
 MPIO: PEREIRA

LATITUD : 04° 45'N  
 LONGITUD: 75° 45'W  
 ALTITUD : 1350 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	17.6	27.2	21.9	16.0	30.6	79.1	87.0	16	144.2
FEBRERO	17.9	26.6	21.5	16.8	29.2	80.2	160.9	16	90.2
MARZO	17.9	27.1	21.8	15.0	31.5	79.9	114.0	17	117.7
ABRIL	18.0	26.8	21.6	16.7	30.0	81.2	206.3	22	100.1
MAYO	18.1	26.4	21.6	16.6	28.9	81.8	191.6	19	101.1
JUNIO	17.7	27.4	22.2	15.6	30.8	78.3	98.4	10	136.7
JULIO	17.0	27.7	22.0	14.9	31.0	75.5	75.4	18	171.7
AGOSTO	17.4	28.9	22.7	15.8	31.5	70.3	24.6	13	179.4
SEPTIEMBRE	17.4	28.1	22.1	15.5	31.0	75.4	69.0	18	134.0
OCTUBRE	17.3	26.4	20.9	15.9	29.2	81.4	320.4	26	69.7
NOVIEMBRE	17.7	27.3	21.5	15.0	29.8	80.6	87.9	16	123.4
DICIEMBRE	17.5	26.8	21.3	14.6	30.0	81.2	124.7	18	122.9
PROMEDIO	17.6	27.2	21.8			78.7			
ABSOLUTA				14.6	31.5				
TOTAL							1560.2	209	1491.1

ESTACION: EL CEDRAL

DPTO: RISARALDA

LATITUD : 04° 42'N

AÑO : 1990

MPIO: PEREIRA

LONGITUD : 75° 32'W

ALTITUD : 2120 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	10.8	16.9	13.8	79.3	.4	13.2	13.6	2.1
2	10.7	17.5	14.1	83.7	3.6	.1	3.7	1.7
3	11.0	19.0	15.0	84.3	0.0	0.0	0.0	1.4
4	11.8	19.3	14.7	79.3	0.0	0.0	0.0	3.1
5	11.2	18.0	14.2	88.7	.8	0.0	.8	.3
6	10.8	18.5	14.6	84.0	1.0	1.3	2.3	2.3
7	12.6	19.2	14.9	82.0	11.7	0.0	11.7	1.4
8	12.0	16.0	14.0	89.7	5.2	2.2	7.4	0.0
9	9.9	18.9	14.1	82.0	5.3	0.0	5.3	3.0
10	12.1	18.0	14.1	84.7	14.6	0.0	14.6	.5
11	10.6	19.1	14.6	82.0	3.6	0.0	3.6	1.9
12	11.7	16.5	13.8	91.0	2.2	0.0	2.2	.2
13	10.6	18.1	13.8	84.7	4.9	0.0	4.9	2.3
14	10.8	19.0	14.8	82.0	0.0	0.0	0.0	1.6
15	11.4	20.0	15.7	80.7	0.0	0.0	0.0	2.3
16	11.2	19.6	14.8	81.7	0.0	0.0	0.0	3.4
17	12.0	19.4	15.4	80.7	9.3	0.0	9.3	2.1
18	11.0	21.4	15.7	77.7	7.1	0.0	7.1	5.1
19	12.8	18.4	15.3	90.7	0.0	0.0	0.0	1.8
20	11.0	20.0	15.2	80.7	1.9	0.0	1.9	3.1
21	10.8	19.0	14.8	83.3	0.0	0.0	0.0	2.3
22	11.8	19.8	15.6	79.7	0.0	0.0	0.0	1.8
23	11.2	21.0	15.6	77.3	0.0	0.0	0.0	6.5
24	11.8	20.8	16.3	76.7	0.0	0.0	0.0	3.8
25	11.0	21.6	16.6	76.3	0.0	0.0	0.0	5.6
26	12.5	17.4	14.9	85.3	4.0	.1	4.1	0.0
27	12.8	21.4	16.5	79.7	0.0	0.0	0.0	3.2
28	12.2	19.8	16.5	80.3	0.0	0.0	0.0	2.9
29	11.4	19.0	15.5	79.3	0.0	0.0	0.0	2.7
30	10.8	19.5	15.7	80.3	0.0	0.0	0.0	3.1
31	11.9	19.2	16.2	78.7	0.0	0.0	0.0	1.6
TOTAL PROMEDIO	11.4	19.1	15.0	82.1	75.6	16.9	92.5	73.1

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	11.1	20.0	16.2	81.7	0.0	0.0	0.0	2.6
2	11.4	19.5	15.4	80.0	8.8	0.0	8.8	2.2
3	12.9	19.2	15.5	81.0	.5	0.0	.5	2.1
4	12.2	19.5	16.2	81.7	.3	19.6	19.9	1.2
5	13.6	17.0	14.4	90.7	9.3	1.6	10.9	0.0
6	11.8	18.7	15.3	85.0	0.0	0.0	0.0	1.8
7	11.0	20.0	15.1	77.0	4.1	0.0	4.1	2.5
8	12.0	19.2	15.6	85.0	3.7	19.6	23.3	1.5
9	12.8	19.5	15.5	84.7	1.9	0.0	1.9	2.6
10	12.0	19.0	16.0	84.0	1.2	.8	2.0	.6
11	12.8	18.2	15.4	80.0	0.0	0.0	0.0	.9
12	12.0	16.6	14.1	88.0	.1	0.0	.1	.2
13	12.1	16.4	14.2	85.0	1.0	0.0	1.0	.2
14	9.8	18.7	14.6	80.7	0.0	0.0	0.0	2.7
15	11.9	20.0	16.0	81.3	.4	0.0	.4	1.4
16	10.8	19.7	15.7	83.7	0.0	1.5	1.5	2.6
17	9.8	19.5	14.6	75.3	5.2	18.8	24.0	3.7
18	12.0	17.2	14.0	91.3	2.2	9.3	11.5	1.9
19	12.8	17.0	13.8	88.7	5.0	0.0	5.0	1.2
20	11.8	18.0	13.5	89.3	28.6	0.0	28.6	1.6
21	11.0	19.8	13.3	92.7	30.4	0.0	30.4	3.5
22	10.6	18.2	14.3	83.3	.7	0.0	.7	.2
23	10.8	18.7	15.2	83.3	2.3	0.0	2.3	1.7
24	11.0	17.1	14.5	85.0	0.0	0.0	0.0	2.2
25	11.2	17.5	15.0	83.7	10.2	87.0	97.2	.3
26	12.8	14.8	13.4	89.0	13.9	2.7	16.6	0.0
27	10.8	17.8	14.3	85.0	4.7	19.6	24.3	1.6
28	12.4	17.4	14.3	86.7	8.4	.3	8.7	.4
29								
30								
31								
TOTAL PROMEDIO	11.7	18.4	14.8	84.4	142.9	180.8	323.7	42.4

ESTACION: EL CEDRAL

DPTO: RISARALDA

LATITUD : 04° 42'N

ANO : 1990

MPIO: PEREIRA

LONGITUD: 75° 32'W  
ALTITUD : 2120 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	10.8	18.0	14.0	81.3	7.3	0.0	7.3	2.9
2	9.8	18.4	14.0	78.0	2.8	0.0	2.8	2.7
3	11.2	17.0	14.2	82.7	30.4	.2	30.6	.4
4	10.8	18.4	15.2	79.7	.6	3.1	3.7	.2
5	12.8	19.0	15.8	88.7	13.2	0.0	13.2	1.3
6	10.8	21.0	15.9	80.3	6.5	.8	7.3	4.2
7	13.2	19.2	16.4	84.3	0.0	0.0	0.0	1.1
8	12.6	21.0	16.5	84.7	0.0	0.0	0.0	4.3
9	12.8	20.9	16.3	79.3	0.0	0.0	0.0	3.4
10	13.8	21.8	17.0	73.3	.6	0.0	.6	4.8
11	13.4	20.8	16.8	80.3	.1	0.0	.1	.8
12	12.0	21.7	16.6	78.0	8.3	0.0	8.3	3.9
13	13.8	21.6	17.1	81.3	0.0	0.0	0.0	3.6
14	12.5	20.4	16.1	80.7	0.0	0.0	0.0	.5
15	13.1	19.4	16.3	80.7	0.0	0.0	0.0	0.0
16	13.8	20.6	16.6	83.7	.3	0.0	.3	1.6
17	12.7	20.9	16.3	81.0	.3	.6	.9	2.0
18	14.8	18.4	16.0	87.0	8.2	0.0	8.2	.1
19	12.6	20.8	15.7	85.7	49.4	0.0	49.4	2.3
20	12.5	20.2	15.3	80.0	3.0	0.0	3.0	1.0
21	13.1	18.4	15.1	87.0	16.7	0.0	16.7	0.0
22	11.0	20.2	16.5	81.7	0.0	.1	.1	2.8
23	13.7	19.3	16.0	84.7	44.3	1.5	45.8	1.4
24	14.2	20.4	15.9	92.0	.3	0.0	.3	1.5
25	14.0	19.4	15.5	83.7	13.9	2.9	16.8	.9
26	13.2	18.0	14.6	85.0	19.1	12.9	32.0	0.0
27	11.0	20.1	15.3	70.7	0.0	0.0	0.0	3.8
28	11.8	19.0	14.9	79.3	16.2	.4	16.6	1.2
29	11.0	21.4	16.6	78.0	0.0	0.0	0.0	5.2
30	12.0	22.2	15.6	73.3	2.8	0.0	2.8	4.8
31	11.9	19.8	15.7	79.7	8.2	3.2	11.4	2.5
TOTAL	=====	=====	=====	=====	=====	=====	=====	=====
PROMEDIO	12.5	19.9	15.8	81.5	252.5	25.7	278.2	65.2

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	13.9	17.5	15.0	89.0	11.9	.3	12.2	.2
2	10.0	19.4	15.0	78.3	4.7	0.0	4.7	2.2
3	11.0	19.2	15.1	78.0	4.8	.6	5.4	1.5
4	12.0	19.8	15.6	84.7	4.3	6.9	11.2	.6
5	12.1	18.9	15.7	81.7	1.0	0.0	1.0	1.7
6	12.6	19.0	15.5	82.3	1.5	0.0	1.5	.3
7	12.7	20.0	16.2	78.3	0.0	0.0	0.0	2.8
8	12.8	19.5	16.1	77.7	0.0	0.0	0.0	2.4
9	11.8	20.0	15.2	78.3	0.0	0.0	0.0	3.2
10	11.5	20.2	16.4	78.3	0.0	0.0	0.0	3.2
11	11.7	20.1	16.2	78.0	1.4	.1	1.5	3.1
12	12.5	20.3	16.7	75.3	2.2	0.0	2.2	2.7
13	12.8	21.1	15.6	81.7	11.0	0.0	11.0	2.4
14	13.1	20.8	16.5	78.3	2.6	.2	2.8	1.0
15	13.2	19.8	16.2	79.0	5.3	3.9	9.2	1.2
16	13.5	18.4	15.2	84.3	.8	0.0	.8	0.0
17	12.0	19.5	15.0	79.7	1.9	0.0	1.9	2.4
18	11.7	19.4	15.2	78.0	3.7	.1	3.8	2.0
19	13.1	21.0	16.5	75.7	.2	0.0	.2	1.1
20	12.6	20.2	15.8	83.7	51.9	1.2	53.1	.9
21	13.7	19.0	14.6	90.3	47.8	0.0	47.8	.1
22	12.2	20.0	15.1	87.0	3.9	6.9	10.8	2.4
23	14.0	20.1	16.3	83.0	1.6	0.0	1.6	.5
24	12.4	20.0	14.8	85.7	29.0	0.0	29.0	.9
25	12.1	19.0	15.4	83.7	20.3	1.3	21.6	.3
26	12.8	20.7	16.5	82.3	33.3	0.0	33.3	2.3
27	13.6	19.0	15.6	87.7	10.7	15.9	26.6	1.3
28	13.8	18.2	16.1	85.0	8.3	23.1	31.4	.1
29	12.8	19.2	16.0	86.3	.5	.2	.7	.6
30	12.9	17.5	14.3	90.0	3.6	5.8	9.4	.6
31	=====	=====	=====	=====	=====	=====	=====	=====
TOTAL	=====	=====	=====	=====	=====	=====	=====	=====
PROMEDIO	12.6	19.6	15.6	82.0	268.2	66.5	334.7	44.0

ESTACION: EL CEDRAL

DPTO: RISARALDA

LATITUD : 04° 42'N

AÑO : 1990

MPIO: PEREIRA

LONGITUD: 75° 32'W

ALTITUD : 2120 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	12.5	21.0	15.0	79.0	23.8	0.0	23.8	1.4
2	11.0	21.2	15.7	79.0	1.5	2.9	4.4	2.6
3	12.8	20.1	14.7	83.7	27.7	.7	28.4	2.5
4	12.2	19.4	15.9	82.0	4.7	18.0	22.7	.8
5	13.8	18.1	15.0	92.7	7.6	1.8	9.4	.9
6	13.1	18.4	15.1	88.0	.2	0.0	.2	.2
7	12.0	20.7	15.5	79.3	6.2	0.0	6.2	3.9
8	12.7	18.4	15.6	87.0	0.0	0.0	0.0	.3
9	13.4	20.1	15.7	79.3	.3	0.0	.3	2.1
10	12.5	19.6	15.9	80.0	0.0	2.4	2.4	.9
11	13.1	19.8	15.5	84.0	2.9	0.0	2.9	2.5
12	12.0	18.4	15.3	85.3	1.0	0.0	1.0	.7
13	12.8	17.8	15.2	88.3	1.6	1.2	2.8	.2
14	13.9	17.6	15.0	90.3	1.3	0.0	1.3	.7
15	12.0	21.2	15.5	79.0	0.0	0.0	0.0	3.6
16	11.8	21.1	16.5	79.0	0.0	0.0	0.0	4.6
17	13.6	21.3	17.2	76.7	0.0	0.0	0.0	1.0
18	13.0	20.5	16.9	78.3	0.0	0.0	0.0	3.8
19	14.0	21.0	17.7	72.0	0.0	0.0	0.0	3.0
20	14.2	22.0	16.3	79.0	0.0	0.0	0.0	2.2
21	14.6	19.3	16.5	83.3	0.0	0.0	0.0	.1
22	12.8	22.0	17.8	57.3	0.0	0.0	0.0	2.0
23	12.0	21.2	17.0	80.0	0.0	.1	.1	4.1
24	12.9	18.0	15.3	91.3	4.9	.3	5.2	.7
25	12.8	18.3	15.3	91.7	3.4	0.0	3.4	.2
26	12.5	20.0	16.1	81.0	0.0	0.0	0.0	1.1
27	11.8	18.2	15.3	86.7	5.6	0.0	5.6	1.9
28	12.9	18.0	15.0	87.7	9.1	.2	9.3	1.0
29	12.8	16.8	13.9	88.0	12.6	0.0	12.6	.1
30	10.0	19.5	15.0	82.0	.3	0.0	.3	3.2
31	9.9	18.8	14.8	86.3	3.4	0.0	3.4	2.2
TOTAL PROMEDIO	12.6	19.6	15.7	82.5	118.1	27.6	145.7	54.5

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	11.8	18.3	14.6	84.0	9.0	0.0	9.0	.8
2	11.0	20.2	15.1	82.3	3.2	0.0	3.2	4.4
3	12.0	19.7	15.3	85.3	0.0	0.0	0.0	1.5
4	11.6	18.2	14.6	81.7	2.4	.1	2.5	1.7
5	11.5	21.0	15.5	81.3	0.0	0.0	0.0	3.3
6	12.9	22.0	16.3	77.7	0.0	0.0	0.0	5.0
7	12.0	21.9	16.1	61.7	0.0	0.0	0.0	7.1
8	11.9	19.0	16.1	82.0	0.0	.2	.2	.4
9	12.1	18.6	15.1	87.7	11.6	.4	12.0	0.0
10	12.9	16.2	14.9	93.0	22.3	.5	22.8	0.0
11	13.5	18.0	15.4	88.3	0.0	0.0	0.0	0.0
12	12.4	19.7	15.5	82.0	0.0	0.0	0.0	3.7
13	11.8	18.9	15.3	78.3	0.0	2.7	2.7	3.6
14	13.1	21.5	15.4	80.7	30.6	0.0	30.6	1.6
15	12.4	19.1	15.1	85.7	5.7	1.8	7.5	1.5
16	13.0	20.1	15.1	76.0	.1	0.0	.1	2.5
17	11.4	21.5	16.3	68.3	0.0	0.0	0.0	7.6
18	11.2	20.0	15.5	81.3	0.0	0.0	0.0	4.7
19	11.8	20.4	15.9	77.0	0.0	0.0	0.0	3.9
20	12.9	22.0	16.8	60.0	0.0	0.0	0.0	5.7
21	12.5	22.2	17.0	67.3	0.0	0.0	0.0	5.7
22	13.0	20.4	16.0	76.3	3.8	0.0	3.8	2.4
23	11.1	19.0	15.0	81.3	1.5	0.0	1.5	1.1
24	12.0	18.0	14.9	91.0	10.5	0.0	10.5	5.0
25	11.8	19.6	14.7	77.3	1.7	0.0	1.7	.1
26	10.6	19.3	14.4	81.7	0.0	0.0	0.0	3.4
27	11.8	18.4	14.5	84.3	0.0	0.0	0.0	.1
28	11.5	22.0	16.1	65.0	0.0	0.0	0.0	8.2
29	12.2	22.7	16.6	61.7	0.0	0.0	0.0	8.9
30	12.9	22.6	16.5	65.3	0.0	0.0	0.0	6.5
31								
TOTAL PROMEDIO	12.1	20.0	15.5	78.2	102.4	5.7	108.1	

ESTACION: EL CEDRAL

DPTO: RISARALDA

LATITUD : 04° 42'N

AÑO : 1990

MPIO: PEREIRA

LONGITUD: 75° 32'W  
ALTITUD : 2120 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	12.5	19.2	15.3	82.0	.7	0.0	.7	2.2
2	12.1	20.0	15.6	80.0	.7	0.0	.7	1.4
3	10.6	19.6	15.0	77.7	0.0	0.0	0.0	1.8
4	11.8	18.2	15.0	79.7	0.0	.1	.1	1.4
5	12.6	18.4	14.3	87.3	.3	0.0	.3	1.5
6	10.7	19.8	14.9	77.7	0.0	0.0	0.0	4.2
7	10.2	18.5	14.5	80.0	.2	0.0	.2	1.7
8	12.5	20.1	15.8	79.7	.5	0.0	.5	3.3
9	11.2	18.6	14.7	83.3	0.0	14.1	14.1	1.6
10	12.6	18.4	15.1	81.3	3.9	0.0	3.9	2.3
11	11.4	19.0	14.7	82.3	0.0	0.0	0.0	2.9
12	12.0	19.2	15.3	79.7	0.0	0.0	0.0	1.7
13	10.8	19.4	14.2	76.0	9.1	0.0	9.1	2.2
14	11.0	18.4	14.2	87.3	10.0	0.0	10.0	1.2
15	11.8	18.4	15.2	86.7	3.4	.1	3.5	2.0
16	11.6	17.8	14.1	83.3	.5	0.0	.5	1.2
17	11.9	17.6	13.9	88.3	5.2	0.0	5.2	1.0
18	11.2	18.4	14.2	84.7	1.7	10.1	11.8	2.1
19	11.6	20.8	14.9	74.0	.2	0.0	.2	4.3
20	10.0	19.6	14.5	79.0	.5	0.0	.5	5.0
21	12.7	19.4	15.0	82.0	0.0	0.0	0.0	4.0
22	11.8	18.8	14.3	77.3	0.0	0.0	0.0	3.2
23	11.0	18.2	14.3	83.7	0.0	0.0	0.0	3.4
24	11.8	19.7	15.5	80.7	0.0	0.0	0.0	3.6
25	11.0	20.4	15.8	76.7	0.0	0.0	0.0	5.0
26	10.0	19.6	15.0	79.0	0.0	0.0	0.0	3.5
27	10.8	19.5	15.6	80.0	0.0	0.0	0.0	4.3
28	12.3	21.5	17.2	50.7	0.0	0.0	0.0	7.4
29	12.4	20.8	16.9	73.3	0.0	.2	.2	5.3
30	12.0	20.2	15.9	55.7	0.0	0.0	0.0	7.4
31	11.4	20.1	16.5	53.0	0.0	0.0	0.0	7.1
TOTAL PROMEDIO	11.5	19.3	15.1	78.1	36.9	24.6	61.5	99.2

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	10.0	19.8	14.4	76.7	0.0	0.0	0.0	2.6
2	11.0	18.4	14.9	77.0	0.0	0.0	0.0	1.6
3	11.2	20.6	15.8	63.3	.1	0.0	.1	7.0
4	12.0	20.2	15.8	69.0	0.0	0.0	0.0	3.4
5	11.2	20.0	15.1	73.7	0.0	0.0	0.0	4.0
6	10.8	21.0	15.1	73.3	0.0	.1	.1	5.7
7	11.0	20.0	16.0	76.7	.1	0.0	.1	3.6
8	11.8	20.1	15.8	76.7	0.0	0.0	0.0	3.8
9	11.6	21.7	15.8	71.0	0.0	0.0	0.0	5.6
10	13.0	21.0	17.2	58.7	0.0	0.0	0.0	1.1
11	12.0	20.8	16.1	68.7	0.0	0.0	0.0	5.2
12	12.2	20.6	16.9	72.0	0.0	0.0	0.0	4.5
13	11.8	17.8	14.1	76.7	0.0	0.0	0.0	.9
14	11.0	17.4	14.1	92.7	13.0	0.0	13.0	1.1
15	10.2	18.0	14.0	81.7	.1	0.0	.1	1.9
16	11.8	19.6	15.8	80.0	.1	.2	.3	3.4
17	10.8	21.4	16.3	74.0	0.0	0.0	0.0	6.6
18	12.0	20.0	16.2	79.7	0.0	0.0	0.0	.3
19	11.6	21.0	15.9	71.7	0.0	0.0	0.0	4.3
20	12.0	19.5	14.9	68.0	0.0	0.0	0.0	1.3
21	13.0	21.4	16.6	62.7	0.0	0.0	0.0	5.1
22	10.8	21.0	15.6	62.0	0.0	0.0	0.0	5.4
23	11.0	21.8	15.9	64.0	0.0	0.0	0.0	6.2
24	11.5	22.1	16.0	68.3	0.0	0.0	0.0	7.2
25	10.0	21.0	14.5	76.7	9.5	0.0	9.5	2.8
26	11.6	19.1	15.6	86.3	6.4	0.0	6.4	1.5
27	11.0	18.0	14.4	85.7	17.0	0.0	17.0	1.9
28	11.6	16.5	13.6	87.0	.5	0.0	.5	.1
29	10.0	19.8	14.3	82.7	9.6	.6	10.2	2.3
30	11.8	19.1	14.8	89.3	2.3	0.0	2.3	2.5
31	11.2	19.0	14.7	77.3	0.0	.2	.2	4.3
TOTAL PROMEDIO	11.4	19.9	15.3	74.9	58.7	1.1	59.8	107.2

ESTACION: EL CEDRAL

DPTO: RISARALDA

LATITUD : 04° 42'N

ANO : 1990

MPIO: PEREIRA

LONGITUD: 75° 32'W

ALTITUD : 2120 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	10.5	19.0	14.9	80.0	0.0	1.4	1.4	2.2
2	11.4	20.0	15.1	80.7	0.0	1.2	1.2	3.1
3	11.0	18.8	14.9	82.0	0.0	0.0	0.0	2.5
4	11.5	20.0	15.0	80.3	0.0	0.0	0.0	2.2
5	10.9	21.8	16.0	72.3	0.0	0.0	0.0	7.2
6	10.7	19.2	15.3	76.0	.2	0.0	.2	1.7
7	10.8	20.8	15.5	73.0	0.0	.5	.5	2.4
8	11.9	19.4	15.0	81.0	4.0	0.0	4.0	2.5
9	11.6	18.9	14.3	86.3	5.0	0.0	5.0	.9
10	11.0	20.2	15.2	80.0	.4	.2	.6	2.4
11	11.2	18.2	14.8	82.0	0.0	0.0	0.0	.3
12	11.8	19.4	14.8	91.7	8.7	3.4	12.1	2.9
13	10.8	23.1	16.3	68.3	0.0	.7	.7	5.4
14	13.1	21.4	16.6	64.0	0.0	0.0	0.0	2.6
15	13.4	22.0	17.2	69.3	0.0	0.0	0.0	3.8
16	11.4	21.0	14.8	83.7	1.5	0.0	1.5	3.5
17	12.0	20.4	15.8	79.0	.6	0.0	.6	4.5
18	11.2	21.5	16.0	72.7	1.5	0.0	1.5	4.3
19	11.3	22.0	15.9	76.0	3.6	0.0	3.6	1.8
20	12.8	20.3	16.0	81.7	0.0	0.0	0.0	3.0
21	12.0	19.2	16.0	80.0	4.3	16.8	21.1	2.5
22	13.0	18.7	15.6	86.7	.3	0.0	.3	.8
23	12.6	19.0	15.4	86.7	1.4	0.0	1.4	1.5
24	12.0	19.2	15.2	80.3	0.0	0.0	0.0	2.4
25	12.4	18.7	15.0	78.7	0.0	0.0	0.0	1.0
26	10.8	19.6	14.6	78.0	26.3	.5	26.8	3.0
27	12.7	19.2	15.4	82.7	0.0	0.0	0.0	2.1
28	12.5	20.0	16.3	81.0	0.0	0.0	0.0	1.3
29	13.0	20.3	17.0	75.0	0.0	0.0	0.0	2.5
30	12.1	20.0	15.4	83.3	4.6	6.8	11.4	3.1
31								
TOTAL	----	----	----	----	----	----	----	----
PROMEDIO	11.8	20.0	15.5	79.1	62.4	31.5	93.9	79.4

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	13.8	19.2	15.0	85.7	3.0	2.0	5.0	2.4
2	13.1	16.5	14.4	86.3	12.4	0.0	12.4	0.0
3	11.9	19.4	15.7	82.0	1.1	4.1	5.2	.9
4	12.0	19.8	14.5	89.3	18.3	9.4	27.7	2.6
5	11.9	16.0	13.7	88.3	4.5	0.0	4.5	0.0
6	12.0	19.5	15.3	79.0	12.5	.3	12.8	2.6
7	12.7	19.2	15.5	85.0	16.7	7.2	23.9	1.0
8	13.1	19.1	15.2	87.0	21.0	0.0	21.0	1.3
9	11.9	18.2	15.0	88.0	8.2	0.0	8.2	1.7
10	12.9	19.1	15.2	85.0	9.0	.2	9.2	.9
11	12.4	19.7	15.3	84.0	0.0	44.0	44.0	.5
12	13.0	18.2	15.1	83.7	0.0	27.0	27.0	.1
13	12.8	19.2	15.8	82.0	7.0	.5	7.5	1.6
14	12.1	19.8	16.1	83.3	2.8	0.0	2.8	2.0
15	13.0	18.5	14.7	85.0	1.1	0.0	1.1	.7
16	11.2	19.2	15.5	79.0	3.0	1.0	4.0	2.2
17	13.2	19.0	15.1	89.3	8.1	.7	8.8	1.1
18	11.0	19.5	15.1	85.7	1.0	.4	1.4	3.2
19	12.8	19.4	15.6	87.0	.1	9.4	9.5	1.1
20	14.0	18.2	15.9	89.7	4.9	2.8	7.7	0.0
21	12.9	20.2	15.4	82.0	0.0	.4	.4	2.9
22	12.0	16.2	13.8	82.7	2.5	0.0	2.5	0.0
23	11.4	19.4	14.6	83.7	2.1	0.0	2.1	1.1
24	11.8	18.6	14.3	79.0	4.0	0.0	4.0	.1
25	12.6	20.0	15.1	83.0	26.8	5.5	32.3	3.6
26	12.0	20.8	15.5	80.0	0.0	0.0	0.0	4.2
27	11.2	20.2	14.7	82.0	3.4	.3	3.7	2.7
28	12.8	19.7	15.4	78.7	1.5	1.6	3.1	1.1
29	13.1	17.6	15.1	89.3	20.5	0.0	20.5	.3
30	11.0	19.3	15.2	81.3	43.9	5.7	49.6	2.5
31	12.7	19.2	15.0	81.7	.9	8.8	9.7	3.6
TOTAL	----	----	----	----	----	----	----	----
PROMEDIO	12.4	19.0	15.1	84.1	240.3	131.3	371.6	48.0

ESTACION: EL CEDRAL

DPTO: RISARALDA

LATITUD : 04° 42'N

AÑO : 1990

MPIO: PEREIRA

LONGITUD: 75° 32'W

ALTITUD : 2120 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	12.0	18.2	15.0	83.7	1.5	0.0	1.5	.6
2	12.1	18.8	14.3	88.7	22.9	0.0	22.9	1.6
3	12.0	19.2	15.2	88.3	6.0	35.9	41.9	.9
4	13.1	17.2	15.3	89.7	4.7	0.0	4.7	0.0
5	13.2	20.3	17.0	81.7	6.1	0.0	6.1	0.0
6	13.8	21.8	18.0	81.7	0.0	0.0	0.0	3.8
7	13.7	21.4	17.2	79.0	0.0	0.0	0.0	2.0
8	13.0	21.5	17.1	77.7	2.3	0.0	2.3	5.2
9	13.2	19.5	16.6	79.3	7.0	.1	7.1	1.5
10	13.4	20.2	15.9	78.0	2.6	0.0	2.6	.6
11	12.0	20.4	16.4	78.0	0.0	0.0	0.0	6.9
12	13.0	20.0	16.2	80.0	.2	0.0	.2	1.6
13	12.0	19.9	15.1	81.3	3.1	0.0	3.1	2.6
14	12.6	21.0	15.5	82.7	.6	0.0	.6	2.9
15	12.0	20.0	16.3	85.7	0.0	0.0	0.0	1.4
16	12.5	20.2	16.0	84.3	2.5	1.5	4.0	1.6
17	13.0	19.6	15.4	86.0	0.0	7.9	7.9	2.5
18	14.0	18.0	14.7	89.7	8.1	0.0	8.1	0.0
19	11.2	19.4	15.6	84.7	18.6	6.4	25.0	3.2
20	13.0	19.6	15.9	87.7	1.6	0.0	1.6	.2
21	14.0	17.8	14.7	90.3	28.5	.2	28.7	1.0
22	11.8	19.4	14.9	77.3	0.0	0.0	0.0	2.7
23	12.5	20.0	15.3	80.7	20.6	16.4	37.0	1.0
24	12.8	19.0	14.5	90.3	12.7	2.4	15.1	2.2
25	11.4	20.3	16.0	79.7	5.9	.3	6.2	5.1
26	12.0	19.4	14.4	80.0	39.2	0.0	39.2	3.7
27	11.0	19.0	14.6	81.3	0.0	0.0	0.0	2.2
28	12.0	19.2	15.2	81.7	4.1	0.0	4.1	.3
29	11.0	19.0	15.1	78.7	.5	0.0	.5	2.2
30	12.8	20.2	15.8	86.7	.5	0.0	.5	1.9
31								
TOTAL PROMEDIO	12.5	19.7	15.6	83.1	199.8	71.1	270.9	61.4

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	12.0	19.5	15.9	80.3	1.2	0.0	1.2	2.1
2	11.9	19.2	15.3	82.7	14.5	0.0	14.5	.9
3	13.0	17.0	14.7	86.7	1.0	0.0	1.0	.1
4	12.0	18.6	15.2	83.3	0.0	8.0	8.0	1.9
5	14.0	17.0	14.8	91.0	32.5	18.5	51.0	0.0
6	13.0	19.0	15.1	89.3	16.9	0.0	16.9	.4
7	11.0	20.8	14.6	79.3	1.8	0.0	1.8	2.8
8	11.2	18.2	14.1	91.3	14.2	0.0	14.2	1.6
9	10.8	19.4	14.8	82.7	6.6	0.0	6.6	2.9
10	10.9	20.0	14.3	76.3	0.0	0.0	0.0	4.0
11	10.7	20.3	14.5	89.0	1.1	0.0	1.1	3.6
12	9.5	19.0	14.6	80.7	0.0	0.0	0.0	3.1
13	10.0	19.2	15.0	78.0	0.0	0.0	0.0	2.7
14	11.8	20.1	15.1	80.3	0.0	0.0	0.0	2.4
15	11.7	21.6	16.0	77.3	0.0	0.0	0.0	5.2
16	12.6	20.8	16.3	81.3	0.0	0.0	0.0	3.4
17	12.4	19.5	15.8	80.0	0.0	0.0	0.0	2.2
18	11.0	20.3	15.5	78.3	.1	0.0	.1	2.7
19	11.5	19.3	15.8	76.0	0.0	0.0	0.0	0.0
20	11.8	21.4	16.1	79.0	0.0	0.0	0.0	3.1
21	11.0	21.0	16.4	77.0	0.0	0.0	0.0	1.8
22	11.1	19.4	16.1	81.3	.1	0.0	.1	.6
23	10.8	20.5	16.4	79.0	1.0	0.0	1.0	2.7
24	12.8	19.0	15.4	86.7	.2	0.0	.2	1.8
25	11.8	19.4	15.8	80.3	0.0	0.0	0.0	.4
26	10.8	19.7	15.4	81.3	8.7	0.0	8.7	2.3
27	11.8	18.2	15.4	84.7	0.0	6.7	6.7	0.0
28	12.2	18.9	15.5	88.0	13.9	0.0	13.9	1.0
29	12.1	19.9	15.1	81.0	22.6	.2	22.8	2.3
30	12.0	19.1	16.1	81.7	4.6	.4	5.0	2.0
31	12.5	19.0	14.7	84.0	24.0	7.2	31.2	1.9
TOTAL PROMEDIO	11.7	19.5	15.3	82.2	165.0	41.0	206.0	61.9



ESTACION: EL CEDRAL  
 AÑO : 1990

DPTO: RISARALDA  
 MPIO: PEREIRA

LATITUD : 04° 42'N  
 LONGITUD: 75° 32'W  
 ALTITUD : 2120 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		
	MIN MED	MAX MED *	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	BRILLO SOL(h)
ENERO	11.4	19.1	15.0	9.9	21.6	82.1	92.5	15	73.1
FEBRERO	11.7	18.4	14.8	9.8	20.0	84.4	323.7	23	42.4
MARZO	12.5	19.9	15.8	9.8	22.2	81.5	278.2	23	65.2
ABRIL	12.6	19.6	15.6	10.0	21.1	82.0	334.7	26	44.0
MAYO	12.6	19.6	15.7	9.9	22.0	82.5	145.7	21	54.5
JUNIO	12.1	20.0	15.5	10.6	22.7	78.2	108.1	14	
JULIO	11.5	19.3	15.1	10.0	21.5	78.1	61.5	17	99.2
AGOSTO	11.4	19.9	15.3	10.0	22.1	74.9	59.8	13	107.2
SEPTIEMBRE	11.8	20.0	15.5	10.5	23.1	79.1	93.9	18	79.4
OCTUBRE	12.4	19.0	15.1	11.0	20.8	84.1	371.6	30	48.0
NOVIEMBRE	12.5	19.7	15.6	11.0	21.8	83.1	270.9	24	61.4
DICIEMBRE	11.7	19.5	15.3	9.5	21.6	82.2	206.0	20	61.9
PROMEDIO	12.0	19.5	15.4			81.0			
ABSOLUTA				9.5	23.1				
TOTAL							2346.6	244	

ESTACION: LA TRINIDAD

DPTO: TOLIMA

LATITUD : 04° 54'N

LONGITUD: 75° 03'W

AÑO : 1990

MPIO: LIBANO

ALTITUD : 1430 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.5	24.2	19.5	84.7	0.0	21.4	21.4	1.8
2	16.0	24.0	18.9	87.3	0.0	21.4	21.4	1.5
3	16.7	23.2	19.8	85.7	0.0	0.0	0.0	3.3
4	16.2	24.4	20.0	83.3	1.8	8.0	9.8	3.8
5	17.0	24.2	19.1	87.7	0.0	0.0	0.0	.6
6	15.0	24.4	18.9	85.0	0.0	2.5	2.5	2.2
7	16.0	23.5	19.0	86.7	.8	0.0	.8	2.5
8	17.2	23.2	19.6	86.7	0.0	0.0	0.0	.4
9	15.8	23.8	19.4	88.7	0.0	0.0	0.0	3.7
10	17.5	21.8	18.3	89.3	2.6	14.3	16.9	.4
11	16.4	24.2	20.1	87.7	0.0	0.0	0.0	3.7
12	17.8	22.8	19.8	87.7	0.0	18.0	18.0	.4
13	16.5	24.6	19.6	83.7	0.0	0.0	0.0	6.0
14	15.0	23.0	19.3	85.3	0.0	0.0	0.0	3.3
15	17.5	25.0	20.7	82.7	0.0	0.0	0.0	5.6
16	16.0	24.8	20.3	86.7	0.0	36.8	36.8	7.7
17	17.0	24.2	20.6	86.0	0.0	0.0	0.0	5.1
18	16.9	24.3	20.3	82.0	0.0	3.0	3.0	3.5
19	18.0	23.9	21.1	85.0	0.0	0.0	0.0	2.7
20	17.5	24.8	20.5	86.7	5.4	.6	6.0	4.8
21	16.5	23.7	19.5	90.0	0.0	15.2	15.2	3.9
22	17.9	23.0	19.9	91.3	0.0	0.0	0.0	.3
23	16.8	25.8	20.5	81.0	0.0	0.0	0.0	6.6
24	16.4	26.8	21.1	79.7	0.0	0.0	0.0	6.2
25	16.3	27.4	21.7	75.3	0.0	.2	.2	9.6
26	18.3	20.9	18.7	87.0	13.9	.6	14.5	0.0
27	16.0	25.3	19.9	87.7	0.0	0.0	0.0	5.9
28	16.1	26.6	21.3	75.3	0.0	0.0	0.0	9.8
29	17.8	27.4	21.7	77.3	0.0	0.0	0.0	8.3
30	17.9	25.2	21.3	84.0	.1	.4	.5	3.7
31	18.3	25.9	21.0	88.7	0.0	0.0	0.0	1.6
TOTAL PROMEDIO	16.8	24.4	20.0	85.0	24.6	142.4	167.0	118.9

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	26.8	21.5	80.0	0.0	0.0	0.0	7.2
2	18.0	25.2	20.5	88.7	.6	.7	1.3	1.2
3	18.1	23.8	19.3	92.0	4.9	0.0	4.9	2.1
4	17.0	25.5	21.3	82.7	0.0	28.9	28.9	4.9
5	16.5	23.2	19.3	90.3	3.2	6.2	9.4	.4
6	17.0	22.9	19.4	90.7	0.0	0.0	0.0	1.1
7	16.7	23.0	19.8	90.3	0.0	0.0	0.0	1.4
8	18.0	25.0	21.1	87.3	0.0	44.5	44.5	2.1
9	16.4	24.0	19.6	90.0	0.0	31.0	31.0	2.7
10	17.2	24.2	20.3	89.7	1.7	0.0	1.7	3.4
11	18.3	25.4	20.9	84.0	0.0	0.0	0.0	4.9
12	18.0	24.4	20.3	85.3	0.0	0.0	0.0	1.3
13	18.0	22.4	19.3	91.3	0.0	0.0	0.0	.2
14	16.0	26.4	21.1	81.0	0.0	0.0	0.0	3.0
15	18.2	25.2	21.0	85.0	0.0	0.0	0.0	4.3
16	17.4	25.3	20.7	85.0	0.0	0.0	0.0	6.5
17	16.0	25.1	20.0	83.0	0.0	8.5	8.5	4.2
18	15.8	22.1	18.3	88.0	3.5	.9	4.4	.3
19	15.6	22.2	18.1	90.7	.6	0.0	.6	.2
20	16.7	23.4	19.0	86.3	0.0	0.0	0.0	1.3
21	17.0	24.3	19.9	86.3	0.0	0.0	0.0	1.7
22	16.7	23.9	19.9	85.3	6.9	1.3	8.2	1.0
23	16.8	23.0	19.4	90.7	2.7	0.0	2.7	.2
24	16.2	24.4	19.2	86.0	0.0	.3	.3	1.7
25	17.7	25.2	20.7	77.7	0.0	4.2	4.2	1.3
26	16.8	24.1	19.7	70.7	0.0	.2	.2	.5
27	17.0	21.9	18.4	85.0	0.0	0.0	0.0	.3
28	14.2	24.3	19.3	81.0	0.0	0.0	0.0	.5
29								
30								
31								
TOTAL PROMEDIO	16.9	24.2	19.9	85.9	24.1	126.7	150.8	59.9

ESTACION: LA TRINIDAD

DPTO: TOLIMA

LATITUD : 04° 54'N

AÑO : 1990

MPIO: LIBANO

LONGITUD: 75° 03'W

ALTITUD : 1430 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.2	25.8	19.9	80.0	0.0	0.0	0.0	7.0
2	16.0	24.2	19.1	81.0	0.0	0.0	0.0	4.0
3	15.5	24.5	17.8	85.7	.7	0.0	.7	2.1
4	16.6	24.8	20.2	83.0	0.0	47.5	47.5	2.7
5	16.5	23.2	19.2	88.3	5.8	0.0	5.8	.3
6	17.0	25.0	20.9	83.3	0.0	8.7	8.7	6.1
7	17.2	25.2	20.7	84.3	0.0	.1	.1	4.7
8	18.4	25.8	22.3	80.3	0.0	0.0	0.0	4.8
9	18.6	25.5	20.7	90.7	0.0	0.0	0.0	1.8
10	17.5	24.3	20.0	83.0	0.0	0.0	0.0	1.5
11	16.4	24.0	19.4	82.7	.1	0.0	.1	0.0
12	15.0	26.2	21.1	75.3	0.0	0.0	0.0	9.8
13	17.7	27.4	21.8	71.0	0.0	0.0	0.0	7.5
14	16.5	26.8	21.0	73.3	0.0	0.0	0.0	2.4
15	16.4	24.8	20.5	76.0	0.0	6.9	6.9	0.0
16	17.8	25.7	20.8	83.7	0.0	0.0	0.0	2.8
17	17.9	26.8	22.1	80.7	0.0	46.1	46.1	4.5
18	17.0	23.6	19.8	87.0	.2	.8	1.0	1.7
19	17.6	25.0	20.7	86.3	0.0	58.2	58.2	3.0
20	17.2	23.8	20.5	87.7	.2	0.0	.2	.2
21	18.8	22.0	19.7	92.7	0.0	0.0	0.0	0.0
22	17.4	25.2	21.0	85.7	0.0	0.0	0.0	4.5
23	18.4	23.0	19.1	93.3	15.1	1.2	16.3	.4
24	17.2	22.9	18.6	95.0	1.4	0.0	1.4	2.3
25	17.8	23.1	19.2	93.3	1.9	6.5	8.4	.3
26	16.5	20.5	16.6	89.7	8.1	2.9	11.0	0.0
27	15.0	24.2	19.4	80.3	0.0	0.0	0.0	4.3
28	17.0	24.8	20.9	77.3	0.0	0.0	0.0	1.8
29	17.1	24.5	20.8	85.7	0.0	0.0	0.0	3.5
30	18.0	26.2	21.4	85.0	0.0	0.0	0.0	2.8
31	18.2	22.4	19.3	92.0	13.0	.4	13.4	.2
TOTAL PROMEDIO	17.1	24.6	20.1	84.3	46.5	179.3	225.8	87.0

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.6	23.0	17.7	95.0	.6	0.0	.6	.2
2	15.0	23.5	19.7	84.0	0.0	0.0	0.0	2.8
3	17.0	24.5	20.2	88.7	0.0	3.5	3.5	3.9
4	17.4	23.0	19.2	91.3	1.1	0.0	1.1	.2
5	18.0	23.5	20.6	87.3	0.0	17.9	17.9	1.2
6	16.7	21.2	18.3	97.3	1.8	0.0	1.8	.5
7	15.5	26.6	21.8	80.3	0.0	0.0	0.0	7.4
8	17.0	26.9	22.0	77.0	0.0	0.0	0.0	7.5
9	16.8	26.6	21.3	72.0	0.0	0.0	0.0	9.8
10	16.2	26.4	21.2	77.3	0.0	0.0	0.0	10.0
11	18.2	26.6	22.1	78.7	0.0	0.0	0.0	7.7
12	17.4	25.3	21.7	84.7	0.0	.2	.2	4.3
13	18.6	24.3	21.2	91.3	1.7	10.1	11.8	3.3
14	18.9	24.4	20.5	91.3	0.0	1.3	1.3	4.1
15	17.7	26.6	21.6	78.7	0.0	48.9	48.9	6.3
16	16.6	23.4	19.3	90.3	0.0	0.0	0.0	1.3
17	16.0	23.4	19.4	89.7	.1	0.0	.1	2.8
18	16.2	25.6	20.9	85.3	0.0	0.0	0.0	5.0
19	17.8	24.5	21.4	86.0	0.0	8.7	8.7	1.4
20	18.0	25.3	20.7	86.7	.9	16.6	17.5	1.5
21	17.8	24.2	20.1	90.0	0.0	9.8	9.8	1.1
22	17.6	23.8	20.2	89.7	3.4	1.7	5.1	2.0
23	17.4	23.5	20.3	88.7	0.0	.7	.7	.8
24	17.6	22.4	19.2	92.3	0.0	0.0	0.0	.1
25	18.0	22.1	19.6	94.7	.3	44.7	45.0	.1
26	16.0	23.8	19.6	89.3	.5	0.0	.5	2.6
27	17.4	25.4	20.9	87.7	0.0	18.9	18.9	2.9
28	16.8	20.4	18.9	95.0	30.0	0.0	30.0	0.0
29	16.7	21.4	18.8	91.0	0.0	0.0	0.0	2.4
30	17.0	21.7	18.5	93.3	.4	0.0	.4	0.0
31								
TOTAL PROMEDIO	17.2	24.1	20.2	87.5	40.8	183.0	223.8	93.2

ESTACION: LA TRINIDAD

DPTO: TOLIMA

LATITUD : 04° 54'N

LONGITUD: 75° 03'W

ANO : 1990

MPIO: LIBANO

ALTITUD : 1430 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.7	24.8	20.2	85.3	0.0	2.3	2.3	2.6
2	16.0	23.5	19.4	89.7	7.1	3.0	10.1	.8
3	17.1	24.5	19.0	88.3	.6	.9	1.5	7.7
4	17.0	23.4	19.5	91.0	.1	0.0	.1	1.9
5	17.2	23.2	19.3	93.3	1.1	7.6	8.7	2.3
6	17.0	22.0	19.3	93.0	.1	0.0	.1	.3
7	16.7	24.8	20.7	88.3	0.0	3.8	3.8	2.1
8	19.0	24.3	20.9	88.0	0.0	0.0	0.0	1.1
9	18.0	25.8	21.2	83.7	0.0	0.0	0.0	6.2
10	18.2	26.6	20.9	84.3	0.0	5.4	5.4	3.9
11	16.4	23.4	19.7	92.0	0.0	.8	.8	3.4
12	18.0	24.4	20.1	94.3	.1	0.0	.1	1.7
13	17.0	24.7	20.8	86.3	0.0	5.6	5.6	3.9
14	17.1	22.4	19.6	91.3	2.8	15.2	18.0	2.7
15	16.8	23.4	20.1	92.3	9.7	0.0	9.7	2.8
16	17.7	25.5	21.4	84.7	0.0	0.0	0.0	8.0
17	17.0	24.2	19.9	89.3	0.0	0.0	0.0	2.7
18	17.1	25.0	20.2	83.3	0.0	0.0	0.0	8.6
19	17.0	24.0	19.6	89.0	0.0	0.0	0.0	1.5
20	17.3	25.2	20.8	84.0	0.0	0.0	0.0	4.2
21	18.0	24.8	21.2	82.7	0.0	0.0	0.0	3.2
22	17.0	22.3	19.0	94.7	.1	0.0	.1	.4
23	15.2	23.7	20.3	84.0	0.0	0.0	0.0	4.8
24	17.0	23.6	19.7	83.3	0.0	0.0	0.0	2.9
25	16.8	24.0	20.4	82.0	0.0	0.0	0.0	2.0
26	17.0	23.8	20.3	84.7	0.0	0.0	0.0	2.2
27	16.4	25.2	20.8	81.7	0.0	0.0	0.0	6.0
28	17.9	23.8	20.4	86.7	0.0	20.2	20.2	3.2
29	17.0	22.3	18.2	97.3	9.2	0.0	9.2	.3
30	15.0	22.2	19.0	91.0	0.0	0.0	0.0	1.9
31	16.0	24.0	20.3	86.0	0.0	0.0	0.0	8.2
TOTAL PROMEDIO	17.0	24.0	20.1	87.9	30.9	64.8	95.7	96.5

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.6	25.0	18.7	89.0	9.6	0.0	9.6	1.7
2	14.8	24.0	20.6	82.0	0.0	0.0	0.0	6.8
3	16.0	24.9	19.9	88.7	0.0	0.0	0.0	4.6
4	17.7	25.5	21.8	78.0	0.0	.2	.2	5.0
5	16.7	24.2	20.3	87.7	0.0	0.0	0.0	4.1
6	17.0	26.5	21.4	73.7	0.0	0.0	0.0	9.7
7	14.8	26.2	21.0	68.0	0.0	0.0	0.0	7.8
8	15.0	25.6	21.4	74.3	0.0	0.0	0.0	5.6
9	17.4	25.4	21.5	84.0	0.0	.4	.4	2.1
10	18.0	23.2	20.1	90.0	.5	1.8	2.3	.6
11	18.1	22.1	19.4	94.0	.1	0.0	.1	0.0
12	17.4	25.6	21.0	82.7	0.0	2.0	2.0	7.8
13	18.0	24.5	20.8	84.3	0.0	34.6	34.6	4.1
14	16.7	23.0	19.9	89.0	0.0	17.7	17.7	1.6
15	16.6	24.0	20.4	88.3	0.0	0.0	0.0	4.5
16	17.8	23.4	19.4	93.3	0.0	0.0	0.0	1.7
17	15.8	24.8	19.3	85.0	0.0	0.0	0.0	5.2
18	16.0	25.2	20.4	78.0	0.0	0.0	0.0	10.4
19	17.0	26.0	21.6	76.3	0.0	0.0	0.0	8.4
20	16.0	25.8	20.6	72.0	0.0	0.0	0.0	7.8
21	15.0	25.4	20.4	72.0	0.0	0.0	0.0	8.5
22	14.8	23.9	20.0	82.3	0.0	0.0	0.0	4.0
23	16.0	25.8	21.1	79.7	0.0	0.0	0.0	4.9
24	16.8	23.4	19.6	90.0	0.0	0.0	0.0	2.4
25	17.4	25.7	21.0	77.0	0.0	0.0	0.0	9.0
26	17.0	23.0	20.0	83.3	0.0	0.0	0.0	.9
27	17.2	23.2	20.0	83.3	0.0	0.0	0.0	.4
28	15.6	24.8	20.1	76.0	0.0	0.0	0.0	5.4
29	15.2	25.4	21.0	70.7	0.0	0.0	0.0	10.0
30	16.8	25.5	20.2	75.3	0.0	0.0	0.0	7.9
31								
TOTAL PROMEDIO	16.5	24.7	20.4	81.6	10.2	56.7	66.9	152.9

ESTACION: LA TRINIDAD

DPTO: TOLIMA

LATITUD : 04° 54'N

LONGITUD: 75° 03'W

AÑO : 1990

MPIO: LIBANO

ALTITUD : 1430 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.5	26.2	20.4	76.7	0.0	10.8	10.8	3.4
2	16.8	24.3	20.2	84.3	0.0	0.0	0.0	5.5
3	16.4	24.5	20.5	74.0	0.0	0.0	0.0	4.9
4	16.0	23.8	19.7	82.3	0.0	0.0	0.0	2.5
5	16.8	23.5	20.2	82.3	0.0	0.0	0.0	1.6
6	17.0	23.6	19.7	82.0	0.0	0.0	0.0	2.3
7	15.2	27.1	22.1	71.3	0.0	0.0	0.0	9.3
8	17.0	25.5	20.5	81.0	0.0	6.2	6.2	8.7
9	16.2	24.9	20.2	78.7	0.0	2.2	2.2	7.2
10	16.8	22.2	18.8	90.7	0.0	.9	.9	1.6
11	17.0	23.6	19.8	89.3	2.0	.6	2.6	5.2
12	17.8	25.2	20.7	86.0	0.0	0.0	0.0	5.6
13	14.8	24.2	20.2	75.0	0.0	0.0	0.0	4.3
14	16.7	24.8	20.3	77.3	0.0	0.0	0.0	5.3
15	16.6	23.0	19.4	89.3	0.0	0.0	0.0	2.4
16	16.8	23.7	19.6	84.7	6.5	0.0	6.5	3.9
17	17.0	24.5	19.2	94.3	5.7	0.0	5.7	2.0
18	17.1	24.8	21.0	80.0	0.0	19.1	19.1	4.3
19	15.2	22.9	18.6	90.7	0.0	0.0	0.0	5.5
20	14.9	26.0	21.3	69.7	0.0	9.6	9.6	10.8
21	16.0	24.0	20.1	86.0	0.0	0.0	0.0	7.8
22	15.2	26.4	20.0	79.3	0.0	0.0	0.0	4.5
23	16.0	24.7	20.4	78.3	0.0	0.0	0.0	7.6
24	16.1	25.2	20.5	76.0	0.0	.5	.5	8.0
25	15.2	26.0	20.2	71.7	0.0	0.0	0.0	8.5
26	14.8	25.2	20.5	58.3	0.0	0.0	0.0	8.9
27	13.4	25.6	20.6	61.7	0.0	0.0	0.0	8.8
28	14.7	26.0	21.4	64.7	0.0	0.0	0.0	10.2
29	15.4	26.8	21.5	66.7	0.0	.6	.6	9.1
30	15.0	25.4	20.2	73.0	0.0	0.0	0.0	7.0
31	13.2	25.2	19.7	68.7	0.0	0.0	0.0	8.0
TOTAL PROMEDIO	15.9	24.8	20.2	78.2	14.2	50.5	64.7	184.7

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.0	26.8	21.1	61.3	0.0	0.0	0.0	9.3
2	16.0	27.0	21.9	59.7	0.0	0.0	0.0	6.9
3	15.4	26.2	20.1	67.0	0.0	0.0	0.0	6.4
4	17.0	26.9	21.4	68.7	0.0	0.0	0.0	7.0
5	15.4	27.5	21.5	68.7	0.0	0.0	0.0	9.6
6	14.7	28.0	22.8	61.7	0.0	2.3	2.3	8.3
7	17.0	26.3	21.6	70.7	0.0	0.0	0.0	8.4
8	15.2	27.5	20.9	69.7	0.0	.3	.3	7.3
9	17.0	26.3	21.3	70.7	0.0	0.0	0.0	6.9
10	16.4	25.3	20.5	72.3	0.0	0.0	0.0	1.3
11	15.0	27.0	22.2	59.7	0.0	0.0	0.0	7.9
12	14.6	27.2	21.9	55.7	0.0	0.0	0.0	10.0
13	16.0	25.6	19.7	70.7	0.0	0.0	0.0	2.9
14	15.0	26.4	20.9	73.7	0.0	0.0	0.0	5.4
15	17.4	25.0	20.1	85.3	5.6	4.9	10.5	1.8
16	17.0	26.0	21.0	80.3	17.5	.2	17.7	4.8
17	16.8	27.5	22.4	65.0	0.0	1.9	1.9	8.6
18	17.0	27.3	21.9	76.0	0.0	0.0	0.0	4.1
19	16.8	27.2	22.3	63.3	0.0	0.0	0.0	8.0
20	17.0	27.0	20.9	70.3	0.0	0.0	0.0	5.3
21	16.0	27.8	22.3	62.3	0.0	0.0	0.0	8.3
22	14.2	27.2	21.4	62.3	0.0	0.0	0.0	7.7
23	16.0	27.8	23.6	51.7	0.0	0.0	0.0	9.1
24	16.4	26.4	20.4	63.3	0.0	0.0	0.0	6.5
25	15.0	26.7	19.9	70.0	0.0	0.0	0.0	5.7
26	16.8	26.6	21.6	75.3	0.0	.1	.1	7.3
27	17.0	24.7	20.1	84.7	4.3	7.1	11.4	4.1
28	17.4	22.0	18.9	94.3	.1	0.0	.1	1.0
29	15.8	22.5	19.1	91.3	17.7	.1	17.8	2.0
30	17.2	24.8	20.3	85.7	0.0	1.0	1.0	5.5
31	16.0	25.4	20.8	78.0	0.0	.6	.6	2.9
TOTAL PROMEDIO	16.1	26.3	21.1	70.6	45.2	18.5	63.7	190.3

ESTACION: LA TRINIDAD

DPTO: TOLIMA

LATITUD : 04° 54'N

ANO : 1990

MPIO: LIBANO

LONGITUD: 75° 03'W

ALTITUD : 1430 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.1	26.4	22.0	73.7	0.0	37.2	37.2	6.7
2	15.6	24.9	20.8	78.7	1.2	5.1	6.3	5.7
3	17.2	24.0	20.2	87.7	0.0	0.0	0.0	1.6
4	17.4	24.8	20.2	83.7	0.0	0.0	0.0	3.1
5	15.9	28.0	21.6	69.0	0.0	0.0	0.0	9.7
6	16.7	27.2	21.6	77.0	0.0	45.5	45.5	8.9
7	14.4	24.2	19.3	89.3	0.0	0.0	0.0	2.5
8	17.0	25.2	20.3	83.3	0.0	1.0	1.0	4.4
9	16.8	24.0	19.5	84.7	0.0	0.0	0.0	4.1
10	15.4	25.2	20.1	89.3	0.0	0.0	0.0	3.7
11	16.4	24.4	20.5	85.0	0.0	.1	.1	4.6
12	17.0	25.8	21.2	79.7	0.0	14.3	14.3	4.3
13	16.0	26.2	21.1	74.0	0.0	.4	.4	8.1
14	17.0	25.2	20.3	73.0	0.0	.6	.6	5.0
15	16.6	24.4	18.9	82.0	0.0	0.0	0.0	4.7
16	14.0	27.0	21.0	63.7	0.0	0.0	0.0	10.8
17	15.4	27.8	21.9	63.0	0.0	0.0	0.0	8.8
18	15.8	28.4	20.9	65.0	0.0	0.0	0.0	8.8
19	17.0	24.8	20.0	83.3	0.0	0.0	0.0	2.2
20	17.7	25.0	19.8	85.0	0.0	.2	.2	1.7
21	15.8	25.4	20.9	84.3	0.0	20.2	20.2	6.9
22	16.0	23.2	18.6	90.0	0.0	1.2	1.2	2.9
23	15.0	24.0	19.3	85.7	0.0	50.9	50.9	3.4
24	16.0	24.4	21.7	84.7	0.0	46.9	46.9	8.4
25	16.4	25.2	21.2	79.0	0.0	0.0	0.0	6.9
26	17.0	25.5	21.0	82.0	22.0	0.0	22.0	5.3
27	16.4	25.0	20.3	88.7	0.0	0.0	0.0	4.6
28	17.0	22.6	19.8	88.7	0.0	0.0	0.0	.5
29	15.4	23.4	20.6	86.0	0.0	0.0	0.0	2.1
30	16.4	25.4	21.5	85.7	0.0	0.0	0.0	5.6
31								
TOTAL PROMEDIO	16.2	25.2	20.5	80.8	23.2	223.6	246.8	156.0

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.3	24.0	20.4	88.3	27.0	0.0	27.0	3.4
2	16.0	23.3	19.2	90.7	0.0	0.0	0.0	.9
3	16.8	22.6	19.4	88.3	0.0	0.0	0.0	1.0
4	15.0	24.7	20.2	85.0	0.0	0.0	0.0	3.3
5	16.4	23.4	18.4	91.7	0.0	0.0	0.0	.8
6	16.0	22.4	19.0	93.3	6.5	0.0	6.5	2.3
7	17.0	23.4	19.8	88.0	0.0	6.0	6.0	1.8
8	16.4	22.3	18.6	90.0	0.0	0.0	0.0	.4
9	15.8	24.4	19.8	87.3	0.0	2.0	2.0	3.7
10	17.0	22.4	18.5	86.3	0.0	3.0	3.0	1.2
11	16.0	23.2	19.2	90.0	0.0	33.8	33.8	2.0
12	16.2	25.0	19.5	90.0	0.0	1.9	1.9	4.6
13	16.4	24.4	20.8	83.7	0.0	.2	.2	6.5
14	17.8	26.3	20.8	88.0	0.0	6.9	6.9	4.1
15	16.6	24.7	19.5	89.3	1.4	0.0	1.4	2.7
16	16.4	25.3	20.6	87.0	0.0	9.4	9.4	2.6
17	16.2	24.2	19.7	87.0	0.0	0.0	0.0	5.2
18	16.4	25.2	20.3	84.7	0.0	0.0	0.0	5.4
19	16.8	22.4	18.9	91.7	0.0	3.8	3.8	2.6
20	16.0	23.4	19.5	87.7	18.0	67.7	85.7	2.0
21	15.9	23.9	19.6	86.7	0.0	14.8	14.8	4.8
22	16.0	21.0	17.7	93.7	.5	0.0	.5	.3
23	16.6	23.2	19.1	87.7	0.0	0.0	0.0	1.5
24	16.0	22.8	18.8	85.3	0.0	0.0	0.0	.5
25	16.8	23.6	19.8	90.7	0.0	5.5	5.5	4.1
26	15.0	23.5	19.1	89.3	0.0	0.0	0.0	6.4
27	16.4	22.2	19.2	91.0	.4	12.8	13.2	1.4
28	16.8	23.2	19.5	91.7	0.0	.9	.9	2.7
29	17.0	25.2	18.2	92.0	3.4	15.8	19.2	1.3
30	16.2	23.0	19.2	92.3	21.8	.4	22.2	1.6
31	17.0	23.2	19.0	88.3	1.7	0.0	1.7	.5
TOTAL PROMEDIO	16.4	23.6	19.4	88.9	80.7	184.9	265.6	81.6

ESTACION: LA TRINIDAD

DPTO: TOLIMA

LATITUD : 04° 54'N

AÑO : 1990

MPIO: LIBANO

LONGITUD: 75° 03'W  
ALTITUD : 1430 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	23.6	19.1	87.0	0.0	5.2	5.2	1.9
2	16.8	24.5	20.0	88.7	.8	2.4	3.2	5.1
3	16.0	23.0	18.9	95.3	6.4	19.8	26.2	.2
4	16.1	22.3	18.0	90.7	1.8	5.0	6.8	.4
5	16.0	24.0	19.7	88.0	0.0	0.0	0.0	3.7
6	15.8	24.0	20.2	80.0	0.0	.3	.3	7.2
7	16.0	24.3	20.2	86.0	0.0	.2	.2	6.5
8	17.0	22.4	19.4	89.7	0.0	13.0	13.0	1.0
9	17.1	24.2	20.3	91.0	0.0	2.6	2.6	4.7
10	17.0	22.4	19.3	91.0	19.7	0.0	19.7	1.3
11	13.0	24.8	20.2	71.7	0.0	0.0	0.0	10.3
12	16.0	24.2	20.3	85.3	0.0	0.0	0.0	6.4
13	17.0	25.4	20.7	86.0	0.0	0.0	0.0	7.9
14	18.0	25.0	20.2	86.7	0.0	0.0	0.0	6.3
15	17.4	24.9	20.6	86.0	0.0	0.0	0.0	
16	16.0	25.0	20.2	83.3	0.0	0.0	0.0	
17	16.4	24.5	21.1	81.0	0.0	15.9	15.9	6.1
18	16.8	20.4	18.1	93.0	1.4	1.8	3.2	0.0
19	16.5	23.9	20.1	88.0	0.0	12.4	12.4	3.4
20	18.0	23.2	20.0	90.7	0.0	0.0	0.0	1.0
21	17.8	21.0	18.4	95.3	28.4	0.0	28.4	0.0
22	15.2	23.4	19.6	84.3	.1	0.0	.1	4.1
23	16.3	23.8	19.5	89.3	1.0	4.6	5.6	1.5
24	16.1	23.6	17.7	90.3	9.1	0.0	9.1	2.2
25	14.4	23.8	19.9	85.7	0.0	0.0	0.0	4.9
26	16.3	24.8	19.5	87.0	0.0	0.0	0.0	3.6
27	15.2	24.6	20.6	84.3	0.0	2.9	2.9	5.1
28	16.8	22.8	19.6	92.7	0.0	0.0	0.0	.6
29	16.2	23.5	20.0	89.0	0.0	0.0	0.0	2.7
30	17.0	24.4	19.3	87.0	.6	0.0	.6	2.0
31								
TOTAL PROMEDIO	16.3	23.7	19.7	87.5	69.3	86.1	155.4	

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.9	25.6	20.9	84.0	0.0	34.8	34.8	4.2
2	16.3	24.2	20.0	90.0	0.0	29.2	29.2	3.1
3	16.8	22.3	18.7	87.3	20.5	0.0	20.5	.7
4	15.4	23.8	19.9	87.0	1.9	3.4	5.3	4.0
5	17.0	18.6	17.1	94.7	43.7	16.0	59.7	0.0
6	16.0	24.0	18.6	91.3	26.8	.7	27.5	.8
7	16.4	23.2	19.0	90.7	1.1	2.3	3.4	1.6
8	15.0	21.4	18.3	85.0	3.0	0.0	3.0	.5
9	16.5	23.8	18.7	89.7	0.0	0.0	0.0	3.4
10	16.8	24.2	20.0	86.0	0.0	1.3	1.3	3.2
11	17.0	24.4	19.4	87.7	3.3	0.0	3.3	2.8
12	16.8	24.0	19.5	90.7	0.0	0.0	0.0	4.0
13	14.8	23.0	19.5	84.3	0.0	0.0	0.0	4.2
14	17.4	22.5	19.5	91.3	0.0	0.0	0.0	1.1
15	15.9	25.0	20.1	83.7	0.0	0.0	0.0	7.3
16	16.0	25.2	20.4	85.7	0.0	0.0	0.0	6.0
17	16.1	26.0	20.8	78.0	0.0	0.0	0.0	8.5
18	16.2	25.0	20.0	80.7	0.0	0.0	0.0	7.8
19	15.4	23.4	20.7	82.3	0.0	0.0	0.0	2.4
20	16.0	25.2	21.6	79.3	0.0	0.0	0.0	8.5
21	15.8	24.2	20.1	82.3	0.0	0.0	0.0	4.3
22	16.4	24.0	19.9	85.7	0.0	0.0	0.0	2.2
23	15.0	25.5	19.5	83.0	0.0	38.0	38.0	3.7
24	16.2	22.3	19.3	89.3	.4	2.2	2.6	.1
25	16.4	23.5	19.1	84.3	14.6	2.1	16.7	1.4
26	16.3	24.6	19.3	88.7	.1	16.6	16.7	3.3
27	16.8	22.0	18.9	91.3	0.0	0.0	0.0	2.2
28	16.0	21.8	18.5	89.7	1.1	0.0	1.1	.5
29	15.6	23.4	19.5	86.7	0.0	4.7	4.7	4.7
30	16.0	24.2	20.1	85.7	0.0	0.0	0.0	1.0
31	16.7	22.2	19.1	89.3	2.2	.1	2.3	3.0
TOTAL PROMEDIO	16.2	23.6	19.5	86.6	118.7	151.4	270.1	100.5

ESTACION: LA TRINIDAD  
 AÑO : 1990

DPTO: TOLIMA  
 MPIO: LIBANO

LATITUD : 04° 54'N  
 LONGITUD: 75° 03'W  
 ALTITUD : 1430 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	16.8	24.4	20.0	15.0	27.4	85.0	167.0	14	118.9
FEBRERO	16.9	24.2	19.9	14.2	26.8	85.9	150.8	15	59.9
MARZO	17.1	24.6	20.1	15.0	27.4	84.3	225.8	16	87.0
ABRIL	17.2	24.1	20.2	15.0	26.9	87.5	223.8	20	93.2
MAYO	17.0	24.0	20.1	15.0	26.6	87.9	95.7	16	96.5
JUNIO	16.5	24.7	20.4	14.8	26.5	81.6	66.9	8	152.9
JULIO	15.9	24.8	20.2	13.2	27.1	78.2	64.7	11	184.7
AGOSTO	16.1	26.3	21.1	14.0	28.0	70.6	63.7	11	190.3
SEPTIEMBRE	16.2	25.2	20.5	14.0	28.4	80.8	246.8	14	156.0
OCTUBRE	16.4	23.6	19.4	15.0	26.3	88.9	265.6	21	81.6
NOVIEMBRE	16.3	23.7	19.7	13.0	25.4	87.5	155.4	18	
DICIEMBRE	16.2	23.6	19.5	14.8	26.0	86.6	270.1	17	100.5
PROMEDIO	16.5	24.4	20.1			83.7			
ABSOLUTA				13.0	28.4				
TOTAL							1996.3	181	



ESTACION: LA PRIMAVERA

DPTO: TOLIMA

LATITUD : 04° 25'N

AÑO : 1990

MPIO: IBAGUE

LONGITUD: 75° 15'W

ALTITUD : 1300 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.5	24.5	19.8	77.3	0.0	0.0	0.0	4.7
2	16.3	23.7	19.4	81.7	1.0	.2	1.2	3.9
3	17.0	27.0	21.4	69.7	.1	0.0	.1	3.5
4	17.3	27.2	21.7	74.0	0.0	2.1	2.1	5.1
5	17.0	24.2	20.7	81.3	0.0	0.0	0.0	1.7
6	16.5	25.6	19.5	86.0	9.7	0.0	9.7	1.9
7	17.8	23.6	20.2	82.0	26.4	0.0	26.4	.9
8	16.5	23.1	19.3	87.3	0.0	0.0	0.0	6.1
9	17.3	25.2	20.3	84.3	6.8	10.2	17.0	1.8
10	17.6	24.1	19.4	88.0	0.0	1.7	1.7	5.6
11	17.3	26.0	20.6	81.3	0.0	0.0	0.0	4.4
12	17.0	24.4	20.8	83.0	0.0	0.0	0.0	2.2
13	16.7	25.1	21.4	83.0	0.0	0.0	0.0	.3
14	16.9	24.0	21.5	84.7	2.7	.9	3.6	5.7
15	17.7	24.5	21.5	84.0	0.0	0.0	0.0	3.7
16	16.0	27.0	21.0	76.3	0.0	6.8	6.8	7.2
17	18.3	26.0	20.4	85.3	9.6	0.0	9.6	4.4
18	17.0	26.6	21.7	75.7	0.0	0.0	0.0	6.0
19	18.5	27.2	22.6	77.0	0.0	0.0	0.0	4.8
20	18.4	27.0	21.3	79.7	0.0	0.0	0.0	3.6
21	17.0	26.8	21.8	68.0	5.1	0.0	5.1	6.8
22	17.5	24.5	20.3	86.7	.9	0.0	.9	1.0
23	16.8	28.8	21.7	75.3	0.0	0.0	0.0	6.7
24	17.5	29.5	21.3	71.7	0.0	0.0	0.0	7.0
25	18.3	29.8	23.0	68.0	0.0	0.0	0.0	9.1
26	19.2	23.2	19.8	91.0	3.0	3.2	6.2	.1
27	16.3	26.5	21.9	82.3	0.0	0.0	0.0	8.0
28	17.0	27.8	22.5	66.0	0.0	0.0	0.0	9.3
29	17.4	28.7	22.7	73.3	0.0	0.0	0.0	9.4
30	18.5	27.4	21.3	80.0	0.0	1.9	1.9	3.6
31	18.6	26.1	20.2	88.7	.3	0.0	.3	1.4
TOTAL PROMEDIO	17.4	26.0	21.0	79.8	65.6	27.0	92.6	139.9

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.4	28.6	22.7	76.7	0.0	0.0	0.0	
2	18.0	27.3	21.9	80.0	7.0	5.3	12.3	2.1
3	17.4	24.5	20.8	85.3	0.0	0.0	0.0	2.0
4	17.5	27.6	22.1	77.0	0.0	15.7	15.7	8.1
5	18.8	24.7	21.2	86.3	.2	4.0	4.2	.8
6	18.0	23.0	19.7	93.3	14.1	4.3	18.4	2.2
7	17.5	24.9	20.9	84.0	0.0	6.9	6.9	2.0
8	18.0	26.0	20.7	88.0	5.3	0.0	5.3	.5
9	18.2	24.8	20.6	86.0	.6	0.0	.6	2.3
10	18.5	25.8	21.7	76.7	0.0	7.7	7.7	4.2
11	18.6	25.5	21.1	84.7	.6	0.0	.6	5.4
12	18.2	25.4	21.0	85.3	0.0	.7	.7	1.2
13	18.0	25.0	20.7	87.7	2.4	0.0	2.4	5.5
14	17.0	26.9	21.6	80.0	0.0	0.0	0.0	5.1
15	17.4	26.2	21.2	83.3	0.0	0.0	0.0	5.8
16	17.5	26.3	21.4	80.3	0.0	35.9	35.9	1.6
17	16.5	25.4	21.2	75.0	0.0	0.0	0.0	5.6
18	17.3	23.7	20.0	85.7	4.2	1.9	6.1	1.0
19	16.8	20.6	18.6	90.0	2.5	0.0	2.5	.4
20	17.0	24.0	19.2	89.0	10.7	.3	11.0	2.1
21	16.5	24.5	20.8	83.0	0.0	0.0	0.0	2.7
22	17.0	24.6	21.0	81.7	.3	3.1	3.4	2.4
23	16.8	25.3	20.1	83.3	.8	0.0	.8	2.0
24	16.7	25.1	21.0	82.0	0.0	0.0	0.0	4.0
25	17.5	24.5	21.1	81.0	0.0	2.7	2.7	.4
26	17.3	21.5	19.2	90.7	.6	.1	.7	0.0
27	17.5	21.4	18.9	90.0	.1	0.0	.1	
28	16.7	23.6	20.0	80.0	3.8	0.0	3.8	.5
29								
30								
31								
TOTAL PROMEDIO	17.5	24.9	20.7	83.8	53.2	88.6	141.8	

ESTACION: LA PRIMAVERA

DPTO: TOLIMA

LATITUD : 04° 25'N

AÑO : 1990

MPIO: IBAGUE

LONGITUD: 75° 15'W  
ALTITUD : 1300 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	25.5	20.5	85.3	0.0	0.0	0.0	5.1
2	17.1	25.1	20.5	85.7	.9	.1	1.0	4.4
3	17.3	22.2	19.7	88.3	.4	37.3	37.7	.7
4	17.0	26.0	20.7	84.3	11.6	.1	11.7	3.5
5	16.8	24.5	21.1	81.7	0.0	0.0	0.0	7.1
6	17.5	27.1	21.5	83.3	0.0	0.0	0.0	1.1
7	18.8	27.0	21.7	82.0	0.0	0.0	0.0	3.1
8	18.5	27.5	21.6	81.0	0.0	.1	.1	4.1
9	18.1	26.0	21.5	83.7	0.0	0.0	0.0	7.1
10	18.0	26.8	21.9	74.7	.1	.2	.3	1.2
11	17.7	27.0	21.4	69.7	0.0	0.0	0.0	.7
12	16.9	27.9	22.6	67.7	1.3	0.0	1.3	0.0
13	18.7	30.0	23.7	62.3	0.0	0.0	0.0	7.2
14	18.9	26.6	21.9	73.3	.1	0.0	.1	.8
15	17.0	26.4	22.0	64.0	0.0	5.8	5.8	1.0
16	17.2	27.5	21.8	76.0	.1	0.0	.1	4.7
17	18.5	29.4	23.6	71.0	0.0	3.5	3.5	6.7
18	17.7	23.5	20.1	88.3	11.5	0.0	11.5	.6
19	18.5	27.6	21.7	78.7	6.4	0.0	6.4	2.0
20	18.4	26.5	21.3	80.7	0.0	22.9	22.9	8.6
21	18.3	25.7	21.1	82.0	1.3	0.0	1.3	8.9
22	16.5	26.5	21.6	80.7	0.0	0.0	0.0	5.1
23	17.5	25.4	21.0	83.7	2.5	9.4	11.9	3.6
24	18.0	24.1	20.5	85.3	7.9	.6	8.5	1.8
25	18.8	22.5	20.6	83.0	5.9	8.7	14.6	.4
26	17.5	21.0	18.8	90.0	.7	4.0	4.7	.1
27	15.6	22.6	19.4	78.7	0.0	0.0	0.0	2.8
28	17.0	24.6	20.5	81.0	0.0	0.0	0.0	4.7
29	17.2	26.2	21.3	80.3	0.0	0.0	0.0	6.4
30	17.9	27.5	22.8	76.7	0.0	.1	.1	7.7
31	18.8	24.1	20.8	87.7	.5	.1	.6	1.3
TOTAL PROMEDIO	17.7	25.8	21.2	79.7	51.2	92.9	144.1	112.5

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	22.1	19.2	84.7	15.5	0.0	15.5	.3
2	16.4	23.8	20.2	83.7	0.0	0.0	0.0	
3	17.4	26.4	21.8	82.7	1.4	4.9	6.3	6.1
4	17.5	25.5	20.9	83.7	1.1	7.3	8.4	2.3
5	17.8	25.0	21.4	83.0	0.0	.2	.2	3.6
6	18.2	24.3	20.5	84.7	2.4	0.0	2.4	.1
7	18.3	27.2	22.9	70.0	0.0	0.0	0.0	4.9
8	19.0	28.0	23.3	68.7	0.0	0.0	0.0	6.8
9	18.5	28.6	23.5	69.0	0.0	0.0	0.0	9.3
10	19.0	27.6	22.5	61.7	0.0	0.0	0.0	9.5
11	19.8	28.0	23.2	75.3	0.0	0.0	0.0	7.2
12	20.0	27.5	23.3	76.0	0.0	0.0	0.0	3.7
13	19.4	27.0	22.5	84.0	0.0	0.0	0.0	2.3
14	19.2	26.5	22.2	84.0	0.0	3.1	3.1	2.6
15	18.5	28.2	22.7	73.3	2.2	2.9	5.1	5.3
16	18.2	23.5	20.7	89.7	1.2	0.0	1.2	.8
17	18.0	25.0	21.5	80.3	0.0	0.0	0.0	4.4
18	18.2	27.6	22.4	77.0	3.0	0.0	3.0	8.1
19	18.5	26.5	22.3	81.3	.5	.3	.8	2.0
20	18.8	25.5	21.7	80.3	5.7	0.0	5.7	1.5
21	18.5	24.9	19.9	94.7	79.9	0.0	79.9	2.7
22	18.0	26.4	22.3	78.0	0.0	1.2	1.2	3.2
23	18.2	25.0	21.7	81.7	0.0	1.6	1.6	1.3
24	17.8	23.0	20.5	91.3	0.0	9.0	9.0	.2
25	18.4	24.0	20.8	89.7	1.4	55.4	56.8	1.1
26	18.0	24.5	20.5	81.0	14.5	0.0	14.5	2.2
27	17.6	26.0	21.5	81.0	.8	0.0	.8	3.0
28	18.5	24.8	21.1	88.0	5.4	2.0	7.4	2.8
29	18.4	23.0	19.9	89.0	33.6	0.0	33.6	2.4
30	18.0	22.8	20.3	89.0	0.0	0.0	0.0	.9
TOTAL PROMEDIO	18.3	25.6	21.5	81.2	168.6	87.9	256.5	

ESTACION: LA PRIMAVERA

DPTO: TOLIMA

LATITUD : 04° 25'N

AÑO : 1990

MPIO: IBAGUE

LONGITUD: 75° 15'W

ALTITUD : 1300 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.5	25.0	21.1	87.0	0.0	.6	.6	2.5
2	17.6	25.2	20.5	90.0	4.5	0.0	4.5	3.4
3	17.8	22.2	20.3	84.3	11.2	.9	12.1	0.0
4	17.5	25.5	21.4	81.3	0.0	12.3	12.3	5.7
5	18.0	25.1	21.3	82.7	2.2	0.0	2.2	5.3
6	18.4	24.5	20.7	93.7	0.0	0.0	0.0	1.0
7	18.5	25.5	21.7	86.3	0.0	0.0	0.0	4.5
8	18.4	25.3	21.8	83.3	40.3	0.0	40.3	1.2
9	18.3	27.0	22.4	84.3	0.0	0.0	0.0	7.9
10	18.8	26.0	21.5	85.7	0.0	25.1	25.1	5.0
11	17.5	25.2	21.7	86.3	0.0	1.7	1.7	6.2
12	18.0	24.8	21.5	83.0	0.0	0.0	0.0	3.7
13	18.7	26.5	21.2	85.0	6.6	77.6	84.2	3.1
14	16.5	25.8	21.1	85.0	.1	13.1	13.2	4.7
15	18.2	26.5	22.5	79.0	.9	0.0	.9	7.0
16	19.3	28.2	24.1	68.3	0.0	0.0	0.0	9.7
17	20.0	27.5	22.9	71.0	0.0	0.0	0.0	3.1
18	19.0	28.2	23.6	64.3	0.0	0.0	0.0	6.1
19	19.2	27.2	22.9	70.3	0.0	0.0	0.0	3.1
20	19.3	27.4	22.9	74.7	0.0	0.0	0.0	6.2
21	19.6	28.3	23.5	76.0	0.0	0.0	0.0	1.8
22	19.7	25.2	22.3	78.3	0.0	0.0	0.0	.2
23	18.5	26.4	23.3	76.0	0.0	0.0	0.0	3.8
24	19.0	26.2	22.6	78.0	0.0	0.0	0.0	3.5
25	19.1	26.4	22.5	75.7	0.0	0.0	0.0	.7
26	19.3	27.0	23.2	77.3	0.0	.5	.5	4.7
27	18.7	26.8	23.2	77.7	0.0	0.0	0.0	4.2
28	19.0	26.5	22.0	82.3	4.2	.8	5.0	3.8
29	18.5	22.8	19.5	91.7	29.4	0.0	29.4	.7
30	17.5	25.2	20.9	79.7	0.0	0.0	0.0	2.3
31	17.0	26.8	22.2	72.3	0.0	0.0	0.0	7.2
TOTAL PROMEDIO	18.5	26.0	22.0	80.3	99.4	132.6	232.0	122.3

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.2	25.9	21.5	77.7	0.0	0.0	0.0	3.7
2	17.0	27.0	22.5	72.0	0.0	0.0	0.0	8.7
3	18.0	26.8	21.8	74.3	0.0	0.0	0.0	3.4
4	18.1	27.5	22.5	75.7	0.0	0.0	0.0	2.7
5	18.8	28.0	22.7	75.0	0.0	0.0	0.0	3.9
6	19.5	29.5	24.5	61.3	0.0	0.0	0.0	8.6
7	18.8	29.4	24.1	56.7	0.0	0.0	0.0	7.6
8	18.6	28.2	23.5	65.7	0.0	0.0	0.0	3.1
9	18.8	28.4	23.7	71.3	0.0	2.5	2.5	2.9
10	19.0	25.1	21.3	87.3	2.3	3.1	5.4	.9
11	18.3	24.4	21.0	89.7	0.0	0.0	0.0	0.0
12	18.2	28.1	23.0	72.3	0.0	0.0	0.0	7.3
13	19.0	28.0	23.3	75.0	0.0	42.8	42.8	9.5
14	18.0	26.8	21.7	82.7	0.0	9.8	9.8	4.4
15	17.1	26.0	22.0	80.0	0.0	0.0	0.0	2.4
16	18.3	26.4	21.9	76.0	0.0	0.0	0.0	2.5
17	18.4	26.5	22.6	71.7	0.0	0.0	0.0	1.4
18	17.6	27.6	22.9	70.7	0.0	0.0	0.0	9.8
19	18.1	28.4	23.8	64.3	0.0	0.0	0.0	7.9
20	19.2	27.4	23.6	59.3	0.0	0.0	0.0	2.4
21	18.5	28.0	22.2	66.0	0.0	0.0	0.0	5.6
22	17.8	25.8	22.1	74.3	0.0	0.0	0.0	2.0
23	17.4	26.8	21.9	76.3	0.0	0.0	0.0	4.6
24	18.5	24.7	21.0	82.7	0.0	.6	.6	.9
25	16.5	28.2	22.8	60.3	0.0	0.0	0.0	8.1
26	18.1	27.5	23.0	67.3	0.0	0.0	0.0	3.9
27	19.0	25.8	22.1	73.0	0.0	0.0	0.0	1.4
28	18.9	27.5	23.2	65.0	0.0	0.0	0.0	2.9
29	19.2	28.9	23.5	62.7	0.0	0.0	0.0	5.1
30	19.6	29.0	23.8	61.0	0.0	0.0	0.0	3.6
31								
TOTAL PROMEDIO	18.4	27.3	22.6	71.6	2.3	58.8	61.1	131.2

ESTACION: LA PRIMAVERA

DPTO: TOLIMA

LATITUD : 04° 25'N

AÑO : 1990

MPIO: IBAGUE

LONGITUD: 75° 15'W

ALTITUD : 1300 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	19.4	28.5	24.1	55.0	0.0	4.1	4.1	4.5
2	18.5	28.0	22.9	73.3	0.0	0.0	0.0	3.9
3	18.8	27.3	22.8	70.7	0.0	0.0	0.0	4.0
4	18.0	27.4	22.3	70.7	0.0	0.0	0.0	3.8
5	19.1	26.2	22.4	72.3	.1	0.0	.1	.8
6	18.6	27.3	23.4	66.0	0.0	0.0	0.0	1.0
7	18.5	29.2	24.8	66.3	0.0	0.0	0.0	8.3
8	19.0	27.8	22.9	77.0	0.0	.3	.3	6.0
9	18.5	27.0	23.3	72.7	.9	2.7	3.6	7.0
10	16.3	24.2	18.8	95.7	44.9	0.0	44.9	3.0
11	17.3	25.0	20.9	83.3	1.9	.1	2.0	2.4
12	18.0	25.5	21.1	78.0	0.0	0.0	0.0	3.0
13	17.0	26.7	22.0	64.7	0.0	0.0	0.0	4.5
14	18.0	27.5	22.6	68.7	0.0	0.0	0.0	4.6
15	18.8	25.0	21.4	81.3	.2	0.0	.2	1.2
16	18.4	25.5	20.7	83.3	3.9	0.0	3.9	3.2
17	18.0	26.0	20.3	79.3	3.5	0.0	3.5	2.7
18	17.8	27.4	22.8	69.3	0.0	27.0	27.0	3.5
19	16.2	25.6	21.0	78.3	0.0	0.0	0.0	3.7
20	17.6	28.5	23.3	60.7	0.0	0.0	0.0	11.1
21	19.0	26.2	22.1	77.0	1.6	0.0	1.6	3.3
22	18.5	28.5	23.3	61.0	0.0	0.0	0.0	5.8
23	18.0	26.5	22.5	69.3	0.0	1.5	1.5	6.8
24	17.8	27.8	23.0	63.7	0.0	0.0	0.0	8.7
25	17.5	28.3	23.5	60.0	0.0	0.0	0.0	10.2
26	17.3	28.2	23.1	56.0	0.0	0.0	0.0	6.7
27	18.6	28.0	23.1	51.0	0.0	0.0	0.0	2.3
28	18.7	28.2	23.8	61.3	0.0	0.0	0.0	5.4
29	19.5	29.0	24.6	60.7	0.0	1.2	1.2	6.6
30	18.2	28.0	22.6	66.7	0.0	0.0	0.0	4.3
31	19.3	26.5	22.4	59.3	0.0	0.0	0.0	2.0
TOTAL					57.0	36.9	93.9	144.3
PROMEDIO	18.2	27.1	22.5	69.4				

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.2	29.0	24.1	52.0	0.0	0.0	0.0	9.1
2	19.0	29.5	24.2	54.0	0.0	0.0	0.0	7.7
3	18.7	27.5	23.3	60.0	0.0	0.0	0.0	2.0
4	19.8	28.2	23.1	62.3	0.0	0.0	0.0	4.5
5	18.0	29.5	23.6	58.0	0.0	0.0	0.0	9.0
6	17.5	31.0	24.2	57.0	.1	.1	.2	7.7
7	19.0	28.5	23.9	64.3	0.0	.1	.1	5.0
8	19.8	29.8	24.5	56.7	0.0	0.0	0.0	5.5
9	20.0	29.6	24.2	62.3	0.0	0.0	0.0	3.6
10	20.1	26.2	22.1	69.0	0.0	0.0	0.0	0.0
11	18.0	29.2	24.3	53.0	0.0	0.0	0.0	4.4
12	17.8	29.8	24.7	48.7	0.0	0.0	0.0	5.9
13	19.6	27.0	22.7	64.3	0.0	0.0	0.0	.5
14	18.5	28.7	23.0	69.3	0.0	0.0	0.0	6.0
15	19.5	27.0	22.1	76.7	.7	.3	1.0	2.4
16	18.7	29.8	24.3	66.7	0.0	0.0	0.0	4.4
17	18.8	31.0	25.4	54.7	0.0	0.0	0.0	8.7
18	20.0	29.5	25.3	56.0	0.0	0.0	0.0	1.1
19	19.0	29.9	25.1	55.3	0.0	0.0	0.0	6.4
20	18.6	29.0	24.5	55.7	0.0	0.0	0.0	5.3
21	19.5	29.9	25.0	51.7	0.0	0.0	0.0	8.2
22	18.3	29.4	23.6	56.7	0.0	0.0	0.0	5.8
23	18.8	30.0	24.6	55.0	0.0	0.0	0.0	7.3
24	20.0	29.0	24.1	56.0	0.0	0.0	0.0	4.9
25	18.1	29.5	24.2	52.7	0.0	0.0	0.0	4.0
26	20.0	29.7	23.4	62.7	0.0	0.0	0.0	7.0
27	19.0	28.0	23.0	73.0	0.0	0.0	0.0	4.2
28	19.3	24.6	20.0	84.7	7.5	0.0	7.5	2.1
29	16.5	26.0	21.5	69.0	11.2	55.7	66.9	3.6
30	17.0	28.5	22.5	75.3	.2	8.2	8.4	6.8
31	18.0	27.0	22.4	74.3	0.0	0.0	0.0	7.4
TOTAL					19.7	64.4	84.1	160.5
PROMEDIO	18.8	28.8	23.6	61.5				

ESTACION: LA PRIMAVERA

DPTO: TOLIMA

LATITUD : 04° 25'N

LONGITUD: 75° 15'W

ANO : 1990

MPIO: IBAGUE

ALTITUD : 1300 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.5	28.6	23.3	76.7	0.0	0.0	0.0	5.3
2	19.0	27.8	23.2	68.7	0.0	2.8	2.8	5.7
3	18.0	27.2	21.7	79.3	0.0	.6	.6	4.0
4	18.5	28.2	23.4	66.3	0.0	0.0	0.0	5.5
5	18.7	30.2	24.1	57.7	0.0	0.0	0.0	9.6
6	18.0	29.0	23.8	63.3	0.0	9.7	9.7	7.1
7	17.6	26.5	23.0	78.0	.2	0.0	.2	2.8
8	18.5	28.2	22.8	70.7	0.0	0.0	0.0	2.9
9	19.0	26.0	22.8	70.7	0.0	0.0	0.0	.5
10	18.2	28.2	22.9	78.0	0.0	3.2	3.2	7.7
11	17.5	27.0	22.2	79.0	0.0	0.0	0.0	5.2
12	18.2	28.0	22.7	73.3	.2	.1	.3	3.8
13	17.2	29.2	24.2	55.7	0.0	0.0	0.0	7.1
14	18.8	27.5	22.5	69.0	0.0	0.0	0.0	1.7
15	17.6	27.4	22.4	70.3	0.0	0.0	0.0	5.5
16	17.0	28.2	23.4	55.3	0.0	0.0	0.0	8.9
17	17.5	30.2	23.9	53.7	0.0	0.0	0.0	9.4
18	18.2	30.6	24.3	53.0	0.0	0.0	0.0	7.9
19	19.0	28.5	23.2	71.7	0.0	0.0	0.0	3.0
20	18.2	29.0	23.5	67.7	0.0	4.7	4.7	6.8
21	17.5	27.8	22.5	76.7	.7	28.2	28.9	7.5
22	16.8	25.5	21.0	86.7	2.9	0.0	2.9	4.2
23	17.8	26.6	21.8	78.3	.2	2.4	2.6	4.4
24	17.6	27.6	22.2	79.0	0.0	.3	.3	7.3
25	18.0	28.6	23.1	65.3	0.0	0.0	0.0	7.2
26	19.0	28.0	23.9	70.3	0.0	0.0	0.0	7.5
27	19.1	27.9	23.1	70.3	0.0	0.0	0.0	3.8
28	19.5	27.5	23.4	67.3	0.0	0.0	0.0	2.3
29	18.4	27.6	24.0	68.7	0.0	0.0	0.0	2.8
30	19.8	29.0	24.5	69.3	0.0	2.6	2.6	6.2
31								
TOTAL PROMEDIO	18.2	28.1	23.1	69.7	4.2	54.6	58.8	165.6

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.2	26.0	21.3	84.3	8.2	0.0	8.2	2.5
2	16.0	23.7	19.3	83.7	36.3	0.0	36.3	.4
3	16.8	24.6	20.5	82.7	3.1	0.0	3.1	1.8
4	18.0	25.7	20.9	78.0	2.5	2.0	4.5	2.4
5	17.8	24.1	19.9	84.3	3.8	0.0	3.8	2.8
6	17.5	25.5	21.0	85.3	1.6	1.1	2.7	5.1
7	17.1	23.0	20.6	84.7	48.3	9.9	58.2	1.9
8	17.3	23.6	20.1	91.0	0.0	0.0	0.0	1.2
9	17.0	25.0	21.5	79.0	0.0	0.0	0.0	2.5
10	17.4	24.0	20.5	81.3	54.0	0.0	54.0	1.9
11	17.5	25.5	21.4	74.3	1.1	1.9	3.0	2.3
12	17.7	25.0	20.5	79.7	7.0	53.1	60.1	3.5
13	17.6	26.0	21.6	79.0	.3	28.1	28.4	3.4
14	18.0	26.2	21.6	76.7	2.5	10.2	12.7	6.0
15	17.4	25.5	21.0	78.7	0.0	0.0	0.0	3.8
16	17.5	26.3	22.2	74.0	0.0	1.4	1.4	8.1
17	18.5	25.3	21.4	73.0	0.0	0.0	0.0	5.2
18	18.7	26.2	22.0	77.0	0.0	53.0	53.0	6.1
19	18.0	26.0	20.7	80.0	0.0	0.0	0.0	3.2
20	18.4	24.5	21.0	77.0	3.9	21.6	25.5	1.3
21	17.5	27.2	21.4	72.3	0.0	6.4	6.4	5.2
22	18.0	23.3	20.2	88.0	4.0	0.0	4.0	2.0
23	17.8	25.0	20.1	86.7	11.9	5.6	17.5	1.9
24	17.9	23.0	19.9	85.0	2.1	0.0	2.1	0.0
25	18.0	26.4	22.2	72.3	0.0	0.0	0.0	5.0
26	17.0	25.0	20.6	73.3	3.6	0.0	3.6	3.3
27	17.2	24.2	20.7	80.0	5.3	.1	5.4	2.9
28	17.5	25.2	20.0	82.0	0.0	0.0	0.0	2.6
29	17.8	24.3	18.9	81.7	3.6	0.0	3.6	4.0
30	15.4	24.2	20.3	76.7	0.0	9.8	9.8	5.8
31	18.8	25.0	21.0	85.3	2.3	.1	2.4	2.1
TOTAL PROMEDIO	17.6	25.0	20.8	80.2	205.4	204.3	409.7	100.2

ESTACION: LA PRIMAVERA

DPTO: TOLIMA

LATITUD : 04° 25'N

ANO : 1990

MPIO: IBAGUE

LONGITUD: 75° 15'W

ALTITUD : 1300 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.3	25.0	21.0	78.0	3.4	7.4	10.8	3.8
2	17.9	24.9	19.7	81.3	26.2	.2	26.4	3.1
3	17.7	24.0	19.5	84.0	18.2	0.0	18.2	2.1
4	16.5	20.7	19.0	78.0	30.7	0.0	30.7	0.0
5	16.7	25.0	20.4	81.7	0.0	28.7	28.7	6.6
6	17.2	24.9	21.0	70.7	0.0	0.0	0.0	5.9
7	18.0	26.8	22.0	69.3	0.0	2.8	2.8	9.9
8	18.2	26.0	21.5	77.3	0.0	1.2	1.2	3.1
9	18.0	26.5	21.9	75.3	1.0	5.5	6.5	3.6
10	19.0	24.2	19.2	82.0	.5	0.0	.5	1.5
11	17.8	28.0	23.0	51.7	0.0	0.0	0.0	9.9
12	18.5	26.5	22.5	69.3	0.0	0.0	0.0	6.6
13	19.5	27.8	23.1	62.0	0.0	7.1	7.1	7.5
14	18.5	27.5	22.8	74.0	.6	0.0	.6	6.3
15	19.5	28.0	22.8	68.3	0.0	0.0	0.0	4.5
16	18.7	28.2	22.8	68.0	0.0	0.0	0.0	4.3
17	18.5	28.0	23.3	60.7	0.0	11.8	11.8	8.4
18	18.2	22.4	19.9	83.3	7.6	0.0	7.6	0.0
19	17.2	24.0	20.7	80.3	.2	32.2	32.4	.9
20	18.2	25.0	21.7	79.7	0.0	0.0	0.0	1.6
21	18.6	23.0	19.9	78.3	72.6	0.0	72.6	.1
22	16.1	24.2	21.1	75.3	0.0	0.0	0.0	3.2
23	17.5	26.0	21.4	85.3	1.2	6.1	7.3	3.9
24	17.2	23.2	18.7	87.7	.2	0.0	.2	2.5
25	16.0	25.0	20.7	76.3	0.0	0.0	0.0	7.7
26	18.0	25.2	20.7	80.3	.7	0.0	.7	3.6
27	17.2	25.5	20.9	73.0	0.0	0.0	0.0	5.3
28	18.5	26.5	21.9	75.7	0.0	0.0	0.0	2.8
29	17.0	25.5	21.4	71.0	0.0	0.0	0.0	7.2
30	18.0	25.1	20.9	80.7	0.0	17.5	17.5	2.7
31								
TOTAL PROMEDIO	17.9	25.4	21.2	75.3	163.1	120.5	283.6	128.6

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	26.4	21.2	82.7	0.0	.1	.1	5.4
2	19.0	27.0	22.0	81.7	.7	16.7	17.4	3.4
3	17.2	23.4	20.2	85.0	.1	0.0	.1	.3
4	16.8	25.2	20.9	81.3	0.0	40.6	40.6	5.4
5	17.8	22.2	19.0	86.7	18.3	0.0	18.3	.4
6	16.8	23.2	20.0	86.3	0.0	24.3	24.3	1.9
7	17.0	24.1	20.8	80.3	0.0	2.0	2.0	3.5
8	16.0	23.0	19.6	84.3	8.8	0.0	8.8	2.5
9	16.2	24.2	20.5	78.3	5.5	0.0	5.5	5.8
10	17.0	26.0	21.0	80.0	0.0	0.0	0.0	7.3
11	17.2	26.2	20.8	73.3	.2	.3	.5	8.5
12	17.4	25.4	20.9	70.0	0.0	0.0	0.0	8.4
13	17.0	25.8	21.3	72.7	0.0	0.0	0.0	5.3
14	19.0	24.0	20.8	77.3	1.5	0.0	1.5	.3
15	18.0	27.8	22.2	74.0	0.0	.8	.8	4.9
16	17.9	27.5	22.6	74.0	0.0	0.0	0.0	8.1
17	18.5	28.2	23.5	69.0	0.0	0.0	0.0	7.5
18	18.0	28.0	22.9	62.0	0.0	0.0	0.0	7.5
19	18.5	26.2	21.9	71.0	0.0	0.0	0.0	2.4
20	18.4	27.0	22.6	73.0	0.0	0.0	0.0	3.9
21	18.2	26.8	22.7	69.7	0.0	0.0	0.0	3.4
22	18.3	25.5	21.2	75.0	.4	0.0	.4	3.2
23	17.0	25.6	21.5	70.3	5.1	0.0	5.1	4.1
24	18.2	22.7	20.1	87.7	10.0	9.2	19.2	0.0
25	18.0	25.0	20.9	81.7	2.3	0.0	2.3	2.6
26	17.2	25.1	20.5	74.0	.4	.7	1.1	2.9
27	18.5	23.5	20.5	80.3	2.6	0.0	2.6	.2
28	17.5	21.5	18.6	84.3	27.3	0.0	27.3	.8
29	17.4	26.0	21.7	74.3	0.0	.9	.9	7.2
30	17.0	24.2	20.8	80.7	0.0	10.2	10.2	2.6
31	17.8	22.9	19.0	87.3	5.0	.8	5.8	6.3
TOTAL PROMEDIO	17.6	25.1	21.0	77.7	88.2	106.6	194.8	126.0

ESTACION: LA PRIMAVERA

DPTO: TOLIMA

LATITUD : 04° 25'N

AÑO : 1990

MPIO: IBAGUE

LONGITUD: 75° 15'W

ALTITUD : 1300 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	17.4	26.0	21.0	16.0	29.8	79.8	92.6	15	139.9
FEBRERO	17.5	24.9	20.7	16.5	28.6	83.8	141.8	21	
MARZO	17.7	25.8	21.2	15.6	30.0	79.7	144.1	20	112.5
ABRIL	18.3	25.6	21.5	16.4	28.6	81.2	256.5	20	
MAYO	18.5	26.0	22.0	16.5	28.3	80.3	232.0	14	122.3
JUNIO	18.4	27.3	22.6	16.5	29.5	71.6	61.1	5	131.2
JULIO	18.2	27.1	22.5	16.2	29.2	69.4	93.9	13	144.3
AGOSTO	18.8	28.8	23.6	16.5	31.0	61.5	84.1	6	160.5
SEPTIEMBRE	18.2	28.1	23.1	16.8	30.6	69.7	58.8	12	165.6
OCTUBRE	17.6	25.0	20.8	15.4	27.2	80.2	409.7	24	100.2
NOVIEMBRE	17.9	25.4	21.2	16.0	28.2	75.3	283.6	19	128.6
DICIEMBRE	17.6	25.1	21.0	16.0	28.2	77.7	194.8	22	126.0
PROMEDIO	18.0	26.3	21.8			75.8			
ABSOLUTA				15.4	31.0				
TOTAL							2053.0	191	

ESTACION: EL LIMON

DPTO: TOLIMA

LATITUD : 03° 40'N

ANO : 1990

MPIO: CHAPARRAL

LONGITUD: 75° 35'W

ALTITUD : 990 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.5	25.8	21.0	86.0	.1	0.0	.1	.2
2	18.4	28.6	21.9	80.7	0.0	0.0	0.0	3.9
3	18.2	30.5	23.1	69.7	0.0	0.0	0.0	6.9
4	18.1	31.2	23.5	72.0	0.0	0.0	0.0	8.0
5	18.4	26.6	22.5	80.3	0.0	19.6	19.6	.1
6	18.2	29.1	22.0	76.7	.8	.2	1.0	4.4
7	18.3	28.3	21.6	79.7	.3	15.9	16.2	2.2
8	18.4	28.8	22.1	81.7	0.0	46.1	46.1	1.4
9	18.0	29.2	22.2	81.7	.8	11.1	11.9	4.0
10	18.7	27.6	21.9	81.7	0.0	87.9	87.9	1.9
11	19.4	29.6	22.9	82.0	1.2	18.0	19.2	6.6
12	18.7	26.6	21.1	84.0	3.7	4.4	8.1	.8
13	18.4	29.1	21.5	80.3	.5	0.0	.5	6.6
14	18.5	27.3	22.1	85.7	0.0	33.4	33.4	1.3
15	18.6	27.5	21.8	84.0	0.0	0.0	0.0	3.2
16	18.0	30.0	23.9	72.7	0.0	0.0	0.0	8.0
17	19.0	31.0	23.0	78.7	0.0	0.0	0.0	7.8
18	18.8	31.6	23.3	74.0	0.0	0.0	0.0	9.0
19	17.5	31.0	23.7	73.0	0.0	0.0	0.0	3.2
20	19.4	31.6	23.7	73.0	.2	0.0	.2	5.4
21	17.6	32.4	24.3	72.3	0.0	0.0	0.0	5.4
22	19.4	28.7	23.4	80.7	0.0	0.0	0.0	5.2
23	18.5	30.8	23.0	75.7	0.0	0.0	0.0	3.9
24	17.5	31.5	23.4	72.0	0.0	0.0	0.0	5.9
25	18.9	32.5	24.8	70.0	0.0	0.0	0.0	8.3
26	19.6	26.4	21.9	88.3	7.4	3.1	10.5	1.0
27	17.8	31.8	24.3	75.0	0.0	0.0	0.0	9.2
28	18.6	32.0	24.3	72.7	0.0	0.0	0.0	1.1
29	18.4	32.6	25.4	71.7	0.0	0.0	0.0	9.1
30	19.5	32.5	25.3	75.0	0.0	0.0	0.0	7.9
31	20.4	32.0	24.5	79.3	0.0	0.0	0.0	3.6
TOTAL PROMEDIO	18.6	29.8	23.0	77.7	15.0	239.7	254.7	145.5

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	19.0	32.2	24.4	74.0	0.0	0.0	0.0	5.4
2	19.2	32.1	25.0	73.3	0.0	55.8	55.8	6.2
3	19.5	27.1	22.9	82.0	0.0	0.0	0.0	1.8
4	19.0	32.1	24.8	73.7	0.0	5.2	5.2	7.7
5	19.2	26.1	21.9	94.0	0.0	0.0	0.0	.2
6	18.9	27.6	22.3	83.3	0.0	0.0	0.0	
7	19.4	27.4	22.3	85.7	0.0	0.0	0.0	
8	20.4	29.4	23.2	82.0	0.0	0.0	0.0	
9	19.0	29.2	23.2	81.3	0.0	0.0	0.0	
10	19.8	29.4	22.9	82.7	0.0	2.6	2.6	
11	20.0	29.2	22.6	80.7	0.0	0.0	0.0	
12	19.8	24.4	22.0	90.7	0.0	0.0	0.0	
13	18.4	27.8	21.9	82.7	0.0	0.0	0.0	
14	18.5	30.2	23.9	79.3	0.0	0.0	0.0	7.8
15	19.4	28.4	23.5	80.3	0.0	0.0	0.0	.1
16	18.5	29.3	22.9	80.7	0.0	0.0	0.0	
17	20.3	28.0	23.4	83.0	0.0	0.0	0.0	
18	18.4	26.4	22.0	83.7	0.0	0.0	0.0	
19	18.3	25.5	20.2	86.0	0.0	0.0	0.0	
20	16.5	27.2	21.1	85.0	0.0	0.0	0.0	
21	18.2	28.2	22.1	83.3	0.0	2.7	2.7	3.5
22	18.8	27.0	22.1	81.7	0.0	10.0	10.0	.2
23	16.4	26.2	21.8	88.0	0.0	0.0	0.0	1.8
24	17.2	26.6	22.3	82.7	0.0	1.0	1.0	.1
25	18.0	24.5	20.5	84.3	0.0	5.3	5.3	.6
26	17.6	25.0	19.5	84.0	0.0	0.0	0.0	.5
27	17.5	27.6	21.2	78.7	0.0	0.0	0.0	.1
28	19.5	28.4	21.7	76.0	0.0	0.0	0.0	2.0
29								
30								
31								
TOTAL PROMEDIO	18.7	27.9	22.4	82.2	0.0	82.6	82.6	



ESTACION: EL LIMON

DPTO: TOLIMA

LATITUD : 03° 40'N

AÑO : 1990

MPIO: CHAPARRAL

LONGITUD: 75° 35'W

ALTITUD : 990 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.3	29.5	21.9	77.7				3.7
2	18.6	28.5	22.3	80.3				5.5
3	19.5	27.5	21.8	81.7				.6
4	19.0	24.5	21.5	83.0				2.2
5	18.0	25.6	21.2	88.0				.6
6	17.0	30.6	23.2	75.0				5.1
7	19.4	30.5	23.3	74.7				1.3
8	19.5	32.0	24.5	70.7				.2
9	20.4	29.6	23.7	78.7				
10	19.8	28.2	22.6	77.7				.5
11	18.5	26.0	22.3	82.0				.2
12	18.0	32.2	23.8	73.0				9.4
13	20.0	32.6	25.1	68.0				4.3
14	20.4	23.8	21.4	84.3				0.0
15	17.5	31.4	23.8	72.0				2.9
16	19.5	31.6	24.0	72.3				6.4
17	18.4	33.1	25.4	68.0				8.5
18	20.5	28.6	23.1	75.0				.5
19	19.8	32.1	24.3	67.7				8.5
20	20.0	29.6	23.1	75.7				2.6
21	19.6	30.2	24.0	72.3				2.5
22	19.8	30.8	23.6	71.3				2.9
23	18.6	28.2	23.3	76.0				2.9
24	19.2	29.5	24.1	71.0				6.2
25	20.4	28.6	23.2	75.7				4.2
26	19.8	25.8	20.9	78.3				0.0
27	17.0	27.4	21.2	82.7				5.0
28	18.8	28.2	22.3	81.7				2.7
29	19.4	30.7	23.3	68.3				8.4
30	19.5	30.6	24.3	66.7				4.6
31	19.4	29.1	23.6	72.0				2.0
TOTAL PROMEDIO	19.1	29.2	23.1	75.5				

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1								.9
2								9.3
3								3.3
4								5.3
5					2.0	2.3	4.3	3.7
6					3.0	0.0	3.0	0.0
7					0.0	0.0	0.0	3.3
8					0.0	0.0	0.0	3.4
9					0.0	0.0	0.0	9.8
10					.3	0.0	.3	1.6
11					0.0	0.0	0.0	1.3
12					.1	.3	.4	3.4
13					0.0	2.0	2.0	1.3
14					0.0	23.2	23.2	1.9
15					3.6	8.5	12.1	5.9
16					0.0	0.0	0.0	1.2
17					0.0	.3	.3	6.7
18					0.0	10.7	10.7	5.5
19					.2	0.0	.2	
20					0.0	0.0	0.0	2.7
21					0.0	57.7	57.7	3.1
22					0.0	22.7	22.7	5.6
23					0.0	54.0	54.0	6.1
24					.6	31.6	32.2	3.3
25					0.0	6.8	6.8	.8
26					0.0	0.0	0.0	1.5
27					0.0	6.0	6.0	2.9
28					3.5	31.1	34.6	5.1
29					1.3	0.0	1.3	.5
30					0.0	0.0	0.0	1.4
31								
TOTAL PROMEDIO								

ESTACION: EL LIMON

DPTO: TOLIMA

LATITUD : 03° 40'N

AÑO : 1990

MPIO: CHAPARRAL

LONGITUD: 75° 35'W

ALTITUD : 990 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1					0.0	33.4	33.4	3.3
2					.6	.3	.9	2.8
3					.2	.3	.5	1.9
4					4.7	5.7	10.4	4.3
5					0.0	23.4	23.4	6.4
6					3.6	2.7	6.3	1.1
7					1.1	0.0	1.1	2.9
8					.5	4.1	4.6	.3
9					0.0	.8	.8	7.1
10					0.0	64.7	64.7	7.4
11					0.0	7.5	7.5	6.5
12					0.0	0.0	0.0	1.5
13					0.0	.1	.1	5.9
14					6.4	43.2	49.6	3.8
15					0.0	.3	.3	7.9
16					0.0	0.0	0.0	6.8
17					0.0	.1	.1	3.0
18					0.0	.1	.1	4.3
19					2.4	0.0	2.4	.4
20					0.0	0.0	0.0	4.2
21					.1	1.0	1.1	.4
22					.3	0.0	.3	0.0
23					0.0	0.0	0.0	3.6
24					0.0	.2	.2	3.9
25					0.0	0.0	0.0	3.3
26					0.0	0.0	0.0	5.4
27					0.0	0.0	0.0	4.7
28					0.0	0.0	0.0	5.4
29					4.3	3.2	7.5	1.8
30					0.0	0.0	0.0	1.4
31					0.0	0.0	0.0	4.1
TOTAL PROMEDIO					24.2	191.1	215.3	115.8

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1					1.1	0.0	1.1	3.8
2					0.0	0.0	0.0	8.8
3					0.0	0.0	0.0	7.0
4					0.0	0.0	0.0	2.4
5					0.0	0.0	0.0	3.2
6					0.0	0.0	0.0	9.8
7					3.6	5.8	9.4	
8					0.0	0.0	0.0	
9					0.0	2.0	2.0	
10					4.8	2.2	7.0	
11					.2	.2	.4	2.0
12					0.0	1.9	1.9	7.1
13					.2	0.0	.2	6.6
14					0.0	6.0	6.0	5.3
15					0.0	.2	.2	2.3
16					.4	.3	.7	2.0
17					6.9	0.0	6.9	2.8
18					0.0	0.0	0.0	7.4
19					0.0	0.0	0.0	6.8
20					2.6	0.0	2.6	3.1
21					0.0	0.0	0.0	.1
22					0.0	0.0	0.0	2.4
23					0.0	0.0	0.0	6.5
24					.6	.6	1.2	7.2
25					0.0	0.0	0.0	5.9
26					0.0	.7	.7	6.7
27					0.0	0.0	0.0	0.0
28					0.0	.3	.3	2.5
29					0.0	0.0	0.0	4.5
30					0.0	0.0	0.0	8.0
31								
TOTAL PROMEDIO					20.4	20.2	40.6	

ESTACION: EL LIMON

DPTO. TOLIMA

LATITUD 03 40'N

AÑO 1990

MPIO. CHAPARRAL

LONGITUD 75 35'W

ALTITUD 990 m

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1					0.0	.9	.9	7.4
2					0.0	0.0	0.0	4.6
3					.4	.5	.9	5.5
4					0.0	.2	.2	1.2
5					0.0	0.0	0.0	2.8
6					.5	0.0	.5	3.7
7					0.0	0.0	0.0	7.3
8					.1	.5	.6	3.8
9					.6	42.1	42.7	5.0
10					5.5	.9	6.4	2.3
11					.4	1.2	1.6	.9
12					.2	0.0	.2	5.0
13					0.0	0.0	0.0	8.3
14					0.0	0.0	0.0	8.9
15					0.0	0.0	0.0	5.6
16					.5	.4	.9	1.3
17					.9	0.0	.9	5.8
18					1.5	0.0	1.5	6.3
19					.7	0.0	.7	4.7
20					0.0	0.0	0.0	8.6
21					32.5	0.0	32.5	3.9
22					0.0	2.6	2.6	6.1
23					.2	0.0	.2	5.9
24					0.0	0.0	0.0	10.1
25					0.0	0.0	0.0	6.6
26					0.0	0.0	0.0	9.6
27					0.0	0.0	0.0	.6
28					0.0	0.0	0.0	2.5
29					0.0	3.0	3.0	4.9
30					.3	0.0	.3	2.2
31					0.0	0.0	0.0	4.3
TOTAL PROMEDIO					44.3	52.3	96.6	155.7

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1					0.0	0.0	0.0	4.5
2					0.0	.1	.1	7.3
3					0.0	0.0	0.0	7.4
4					0.0	.2	.2	
5					0.0	0.0	0.0	
6					0.0	.1	.1	7.2
7					0.0	.1	.1	
8					0.0	.3	.3	
9					.1	0.0	.1	
10					0.0	0.0	0.0	
11					0.0	0.0	0.0	
12					0.0	0.0	0.0	
13					0.0	0.0	0.0	1.5
14					0.0	0.0	0.0	2.0
15					0.0	0.0	0.0	9.1
16					0.0	0.0	0.0	4.7
17					0.0	.8	.8	5.9
18					0.0	.1	.1	8.3
19					0.0	0.0	0.0	3.8
20					0.0	.1	.1	3.6
21					0.0	.4	.4	4.2
22					0.0	.3	.3	5.3
23					0.0	0.0	0.0	5.3
24					0.0	0.0	0.0	3.0
25					0.0	0.0	0.0	9.2
26					0.0	0.0	0.0	4.9
27					25.2	0.0	25.2	2.7
28					.4	.4	.8	2.4
29					4.2	28.3	32.5	1.4
30					.1	18.1	18.2	
31					9.7	.8	10.5	2.8
TOTAL PROMEDIO					39.7	50.1	89.8	

ESTACION: EL LIMON

DPTO: TOLIMA

LATITUD : 03° 40'N

AÑO : 1990

MPIO: CHAPARRAL

LONGITUD: 75° 35'W

ALTITUD : 990 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1					2.8	2.2	5.0	6.7
2					.3	0.0	.3	6.2
3					0.0	0.0	0.0	7.6
4					.1	0.0	.1	
5					0.0	0.0	0.0	4.6
6					0.0	0.0	0.0	3.3
7					0.0	0.0	0.0	.8
8					0.0	0.0	0.0	8.9
9					0.0	0.0	0.0	
10					0.0	74.1	74.1	8.1
11					.4	4.0	4.4	
12					.7	.5	1.2	
13					0.0	.3	.3	3.5
14					.6	.4	1.0	.4
15					0.0	0.0	0.0	6.1
16					0.0	0.0	0.0	8.7
17					0.0	0.0	0.0	8.7
18					.2	0.0	.2	7.9
19					0.0	0.0	0.0	5.1
20					1.2	2.0	3.2	4.4
21					3.6	17.6	21.2	2.2
22					.6	3.7	4.3	5.5
23					.4	2.9	3.3	7.4
24					0.0	0.0	0.0	8.6
25					0.0	0.0	0.0	8.2
26					0.0	0.0	0.0	5.7
27					0.0	0.0	0.0	.7
28					0.0	0.0	0.0	5.6
29					0.0	13.6	13.6	6.1
30					0.0	5.9	5.9	3.7
31								
TOTAL PROMEDIO					10.9	127.2	138.1	

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1					.2	0.0	.2	.9
2					0.0	0.0	0.0	1.8
3					0.0	.1	.1	3.6
4					0.0	.7	.7	4.9
5					0.0	59.5	59.5	.3
6					5.3	55.9	61.2	3.8
7					3.5	22.7	26.2	5.0
8					0.0	0.0	0.0	6.8
9					0.0	24.0	24.0	3.1
10					5.2	0.0	5.2	1.7
11					30.0	13.9	43.9	2.3
12					21.7	8.0	29.7	3.8
13					.2	38.7	38.9	2.3
14					0.0	7.6	7.6	5.1
15					1.2	45.4	46.6	1.3
16					0.0	10.0	10.0	5.4
17					0.0	57.0	57.0	
18					0.0	35.9	35.9	
19					1.7	0.0	1.7	1.4
20					0.0	30.5	30.5	
21					0.0	10.4	10.4	
22					1.1	11.0	12.1	6.6
23					7.6	72.1	79.7	2.3
24					0.0	0.0	0.0	1.2
25					0.0	1.1	1.1	2.6
26					.2	19.2	19.4	4.6
27					3.0	17.3	20.3	2.7
28					0.0	0.0	0.0	.8
29					0.0	.1	.1	
30					3.2	0.0	3.2	3.3
31					2.8	48.3	51.1	5.3
TOTAL PROMEDIO					86.9	589.4	676.3	

ESTACION: EL LIMON

DPTO TOLIMA

LATITUD 03° 40'N

ANO 1990

MPIO CHAPARRAL

LONGITUD 75° 35'W

ALTITUD 990 m

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1					1.1	0.0	1.1	5.8
2					0.0	4.0	4.0	9.8
3					2.3	0.0	2.3	5.9
4					0.0	.3	.3	3.6
5					0.0	.2	.2	4.3
6					0.0	44.7	44.7	8.4
7					0.0	32.0	32.0	
8					0.0	0.0	0.0	4.2
9					0.0	0.0	0.0	
10					0.0	0.0	0.0	4.4
11					0.0	0.0	0.0	1.5
12					0.0	0.0	0.0	6.6
13					0.0	0.0	0.0	
14					0.0	0.0	0.0	2.1
15					0.0	0.0	0.0	.6
16					0.0	0.0	0.0	
17					0.0	.2	.2	7.6
18					13.2	.1	13.3	2.2
19					0.0	1.7	1.7	2.2
20					.3	.6	.9	2.1
21					.2	0.0	.2	.4
22					.9	11.0	11.9	0.0
23					.1	11.8	11.9	
24					.9	0.0	.9	
25					0.0	0.0	0.0	3.2
26					0.0	0.0	0.0	
27					2.0	2.7	4.7	6.8
28					2.0	27.3	29.3	3.4
29					0.0	37.7	37.7	
30					20.8	0.0	20.8	
31								
TOTAL PROMEDIO					43.8	174.3	218.1	

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1					2.4	2.4	4.8	1.9
2					0.0	4.4	4.4	
3					6.7	0.0	6.7	1.5
4					0.0	17.3	17.3	5.0
5					16.3	.6	16.9	.1
6					.1	.1	.2	.1
7					.1	4.1	4.2	2.7
8					12.3	2.2	14.5	.8
9					0.0	0.0	0.0	3.1
10					0.0	.7	.7	3.5
11					0.0	60.3	60.3	5.8
12					0.0	0.0	0.0	6.8
13					0.0	0.0	0.0	7.6
14					0.0	0.0	0.0	4.2
15					0.0	0.0	0.0	5.0
16					0.0	0.0	0.0	8.7
17					0.0	0.0	0.0	6.6
18					0.0	0.0	0.0	5.7
19					0.0	0.0	0.0	2.4
20					0.0	0.0	0.0	5.0
21					0.0	6.4	6.4	6.2
22					0.0	0.0	0.0	.1
23					0.0	1.2	1.2	4.7
24					1.1	14.2	15.3	2.5
25					0.0	13.1	13.1	5.2
26					3.2	.2	3.4	.5
27					.7	0.0	.7	.1
28					37.9	0.0	37.9	2.3
29					0.0	0.0	0.0	
30					0.0	1.7	1.7	
31					0.0	35.7	35.7	1.9
TOTAL PROMEDIO					80.8	164.6	245.4	

ESTACION: EL LIMON

DPTO: TOLIMA

LATITUD : 03° 40'N

AÑO : 1990

MPIO: CHAPARRAL

LONGITUD: 75° 35'W

ALTITUD : 990 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	18.6	29.8	23.0	17.5	32.6	77.7	254.7	13	145.5
FEBRERO	18.7	27.9	22.4	16.4	32.2	82.2	82.6	7	
MARZO	19.1	29.2	23.1	17.0	33.1	75.5			
ABRIL									
MAYO							215.3	21	115.8
JUNIO							40.6	15	
JULIO							96.6	18	155.7
AGOSTO							89.8	16	
SEPTIEMBRE							138.1	15	
OCTUBRE							676.3	27	
NOVIEMBRE							218.1	19	
DICIEMBRE							245.4	19	
PROMEDIO									
ABSOLUTA									
TOTAL									

ESTACION: ALBAN

DPTO VALLE

LATITUD 04° 46' N

ANO : 1990

MPIO: EL CAIRO

LONGITUD: 76° 11' W

ALTITUD 1500 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.5	23.2	18.7	84.0	0.0	1.0	1.0	3.3
2	15.5	24.4	19.5	84.7	1.2	6.0	7.2	2.3
3	16.5	23.8	19.4	86.7	4.6	0.0	4.6	1.4
4	16.8	24.6	19.5	85.3	1.7	13.3	15.0	3.6
5	16.7	23.5	18.9	89.7	.4	.3	.7	1.6
6	16.8	21.6	18.5	94.7	2.1	.2	2.3	1.4
7	16.6	24.7	19.7	83.0	2.3	25.8	28.1	1.7
8	16.8	21.8	18.4	93.0	2.1	0.0	2.1	0.0
9	16.5	23.9	19.5	86.0	0.0	.1	.1	4.0
10	16.9	24.0	19.3	87.7	.1	0.0	.1	2.5
11	16.7	24.5	19.7	85.7	0.0	.1	.1	1.9
12	16.3	21.8	18.4	86.7	1.2	0.0	1.2	0.0
13	14.9	24.6	19.5	83.0	0.0	2.4	2.4	4.3
14	15.7	23.9	19.7	82.7	0.0	0.0	0.0	4.3
15	15.4	25.2	19.8	82.7	0.0	0.0	0.0	5.4
16	16.6	24.6	20.3	82.3	0.0	0.0	0.0	3.6
17	16.7	24.9	20.6	83.7	0.0	.4	.4	4.1
18	17.7	27.9	21.1	79.0	0.0	.1	.1	4.4
19	17.5	23.8	19.9	86.7	3.6	0.0	3.6	.5
20	15.5	25.8	19.6	88.7	0.0	0.0	0.0	5.7
21	15.7	25.2	20.5	82.7	0.0	19.7	19.7	4.0
22	17.0	25.7	21.2	82.0	6.6	0.0	6.6	3.9
23	15.8	27.9	21.0	80.7	0.0	0.0	0.0	8.3
24	16.1	28.2	21.5	82.7	0.0	0.0	0.0	5.1
25	17.4	27.4	21.4	84.7	0.0	.2	.2	8.0
26	17.8	21.5	19.0	90.7	1.9	.5	2.4	0.0
27	15.9	29.2	20.8	81.0	0.0	0.0	0.0	7.2
28	16.8	25.8	20.8	84.0	0.0	0.0	0.0	5.3
29	16.0	25.6	20.9	83.7	0.0	0.0	0.0	6.0
30	16.3	27.2	21.2	82.3	0.0	0.0	0.0	3.8
31	17.8	26.8	21.6	85.3	0.0	0.0	0.0	1.4
TOTAL PROMEDIO	16.4	24.9	20.0	85.0	27.8	70.1	97.9	109.0

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.8	27.6	21.8	79.0	0.0	0.0	0.0	3.5
2	16.9	24.5	20.1	92.0	.1	0.0	.1	.3
3	17.6	25.5	20.9	84.3	0.0	0.0	0.0	1.2
4	18.4	24.0	19.9	83.3	.4	8.5	8.9	1.8
5	17.4	24.8	19.4	88.0	2.5	16.8	19.3	2.1
6	15.7	24.5	19.9	86.0	0.0	0.0	0.0	3.8
7	15.8	26.2	20.6	86.3	0.0	0.0	0.0	4.8
8	17.4	24.9	20.7	87.0	.4	1.2	1.6	1.8
9	16.8	25.4	20.8	79.3	0.0	0.0	0.0	5.0
10	16.7	25.5	20.0	90.0	6.4	1.7	8.1	3.6
11	17.2	24.7	20.4	84.0	0.0	0.0	0.0	2.0
12	17.4	22.4	18.8	92.7	8.1	0.0	8.1	.7
13	16.5	23.0	20.1	86.3	.2	0.0	.2	0.0
14	17.5	23.6	20.0	85.7	.2	.2	.4	1.9
15	16.8	25.8	20.1	85.3	.4	0.0	.4	2.8
16	16.4	25.2	20.6	80.7	0.0	0.0	0.0	7.2
17	16.2	24.8	19.5	84.7	0.0	0.0	0.0	5.6
18	14.4	23.6	18.4	82.7	7.7	.4	8.1	1.5
19	14.5	22.8	18.5	82.7	.4	0.0	.4	3.4
20	14.9	24.6	19.3	80.7	.7	0.0	.7	3.1
21	15.4	25.0	20.2	81.3	0.0	0.0	0.0	4.5
22	15.8	24.8	19.2	88.7	3.0	0.0	3.0	1.7
23	16.3	23.8	19.5	86.0	0.0	1.7	1.7	0.0
24	14.8	22.5	18.7	89.7	10.2	0.0	10.2	.2
25	16.0	24.8	19.9	81.0	0.0	2.3	2.3	2.9
26	15.0	20.4	18.0	90.7	1.9	1.9	3.8	.7
27	14.8	23.4	19.5	84.3	0.0	0.0	0.0	2.4
28	13.8	21.7	18.5	84.7	0.0	0.0	0.0	.4
29								
30								
31								
TOTAL PROMEDIO	16.2	24.3	19.7	85.3	42.6	34.7	77.3	68.9

ESTACION: ALBAN

DPTO: VALLE

LATITUD : 04° 46'N

AÑO : 1990

MPIO: EL CAIRO

LONGITUD: 76° 11'W  
ALTITUD : 1500 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.8	21.6	18.4	86.3	.7	0.0	.7	.6
2	13.8	24.2	19.3	81.3	0.0	0.0	0.0	7.1
3	16.3	19.6	17.3	92.7	13.5	0.0	13.5	0.0
4	14.4	23.4	18.7	86.0	1.0	0.0	1.0	3.7
5	16.5	24.8	19.4	88.7	.7	0.0	.7	1.9
6	13.6	25.5	19.7	86.0	0.0	0.0	0.0	6.2
7	16.3	25.6	20.2	80.3	0.0	0.0	0.0	3.2
8	16.5	26.4	21.3	75.7	0.0	0.0	0.0	4.4
9	16.7	25.5	20.9	83.3	.1	0.0	.1	6.1
10	17.2	28.6	21.8	76.7	0.0	0.0	0.0	5.4
11	16.3	28.5	21.2	76.7	0.0	0.0	0.0	2.0
12	16.4	28.2	21.7	80.3	0.0	0.0	0.0	7.6
13	17.5	26.9	21.4	82.7	0.0	0.0	0.0	4.9
14	17.8	25.7	21.1	80.0	0.0	0.0	0.0	.8
15	17.5	23.4	20.3	80.7	0.0	2.4	2.4	0.0
16	16.6	27.8	21.4	77.3	4.0	0.0	4.0	4.0
17	16.4	25.5	20.8	81.3	0.0	17.3	17.3	5.6
18	16.5	22.4	19.1	83.0	.7	.5	1.2	.1
19	15.8	25.0	19.8	82.7	0.0	.5	.5	5.5
20	17.0	24.8	19.9	86.0	0.0	.6	.6	3.4
21	17.5	21.5	19.1	91.0	3.0	0.0	3.0	0.0
22	14.6	25.1	20.3	80.0	0.0	7.9	7.9	7.5
23	17.8	24.4	19.0	83.7	28.9	0.0	28.9	1.8
24	15.5	25.8	20.1	78.3	3.6	.8	4.4	3.6
25	17.4	22.9	19.4	83.0	.7	0.0	.7	.4
26	16.0	22.6	19.0	88.7	2.4	2.8	5.2	.6
27	13.6	24.6	19.4	78.7	0.0	2.6	2.6	7.4
28	16.0	24.3	20.0	78.3	0.0	0.0	0.0	4.8
29	15.5	25.6	20.3	82.0	0.0	0.0	0.0	6.4
30	16.5	25.1	20.3	81.0	0.0	0.0	0.0	6.0
31	15.9	24.2	18.9	86.0	0.0	0.0	0.0	5.0
TOTAL PROMEDIO	16.1	24.8	20.0	82.5	59.3	35.4	94.7	116.0

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.7	20.9	18.7	80.7	4.2	0.0	4.2	.1
2	12.4	25.4	19.5	79.3	0.0	2.3	2.3	7.2
3	13.5	25.5	19.2	84.0	0.0	0.0	0.0	3.4
4	16.0	24.4	18.9	83.0	.7	3.7	4.4	2.5
5	15.6	24.5	19.6	83.3	0.0	1.3	1.3	5.2
6	16.2	24.9	19.2	82.7	4.6	0.0	4.6	2.8
7	15.0	24.8	19.9	82.0	0.0	0.0	0.0	7.3
8	15.2	26.8	20.3	79.0	0.0	0.0	0.0	5.4
9	17.0	25.7	21.1	79.0	0.0	0.0	0.0	8.5
10	15.5	26.4	21.2	80.3	0.0	.1	.1	7.3
11	17.8	25.3	21.1	82.0	0.0	18.6	18.6	6.6
12	15.8	26.5	20.6	79.7	0.0	0.0	0.0	6.7
13	16.8	24.8	19.9	89.3	1.8	.4	2.2	4.7
14	17.6	25.5	20.1	86.0	0.0	0.0	0.0	2.0
15	17.4	27.6	20.4	79.7	4.5	7.0	11.5	2.6
16	16.6	21.4	19.1	87.0	.1	0.0	.1	0.0
17	15.3	24.9	20.2	80.0	.1	.5	.6	3.5
18	16.6	25.0	20.5	79.7	0.0	.6	.6	6.3
19	17.5	24.6	20.5	82.3	.8	0.0	.8	2.2
20	16.9	24.5	19.8	83.3	0.0	2.2	2.2	2.8
21	16.2	24.2	19.8	80.3	0.0	0.0	0.0	.1
22	16.6	25.2	20.2	80.7	.2	16.2	16.4	3.2
23	16.8	21.4	18.6	87.3	4.7	0.0	4.7	.4
24	14.7	23.4	18.8	86.3	0.0	0.0	0.0	1.6
25	17.0	22.8	18.8	86.7	4.7	.1	4.8	.9
26	16.8	25.4	20.6	80.7	0.0	1.6	1.6	4.3
27	16.4	23.8	19.0	86.0	6.8	2.1	8.9	3.6
28	15.8	23.6	19.2	84.7	.5	5.4	5.9	.4
29	15.9	26.3	20.4	78.7	0.0	0.0	0.0	2.9
30	15.2	23.4	19.3	81.7	0.0	1.7	1.7	.4
31								
TOTAL PROMEDIO	16.1	24.6	19.8	82.5	33.7	63.8	97.5	104.9



ESTACION: ALBAN

DPTO: VALLE

LATITUD : 04° 46'N

AÑO : 1990

MPIO: EL CAIRO

LONGITUD: 76° 11'W

ALTITUD : 1500 m.

MAYO	TEMPERATURA' °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.6	24.2	18.8	85.0	3.3	.2	3.5	2.0
2	15.0	24.4	18.7	81.7	2.7	.1	2.8	2.7
3	13.8	24.2	19.1	80.3	0.0	8.4	8.4	4.6
4	15.5	24.3	19.6	80.0	1.4	0.0	1.4	4.2
5	16.1	25.8	19.9	80.3	0.0	.7	.7	1.6
6	15.3	26.4	20.8	77.3	0.0	0.0	0.0	2.7
7	17.2	26.5	20.2	84.7	1.2	0.0	1.2	4.6
8	17.4	25.0	20.4	81.7	0.0	0.0	0.0	.9
9	16.9	25.5	19.8	83.3	1.6	.4	2.0	5.1
10	16.5	25.2	19.5	83.0	.5	2.1	2.6	5.6
11	15.8	25.9	20.4	81.0	2.2	1.1	3.3	6.3
12	17.4	24.1	19.8	85.7	.1	.1	.2	.2
13	17.3	24.3	18.7	89.7	12.2	.5	12.7	1.7
14	16.9	24.5	19.8	82.7	1.1	0.0	1.1	3.2
15	15.0	26.2	20.5	81.0	0.0	0.0	0.0	6.6
16	16.4	26.2	21.1	81.0	0.0	0.0	0.0	8.5
17	17.6	24.6	20.9	81.3	0.0	0.0	0.0	1.7
18	16.4	27.4	21.4	77.3	0.0	0.0	0.0	6.5
19	16.1	27.8	22.3	74.3	0.0	0.0	0.0	5.3
20	16.8	27.6	21.5	81.0	0.0	6.5	6.5	4.7
21	18.4	24.6	20.6	83.7	0.0	.3	.3	.5
22	17.4	26.8	20.9	83.3	0.0	0.0	0.0	3.0
23	17.8	25.2	20.1	86.7	8.9	3.3	12.2	3.9
24	16.9	25.4	19.4	84.7	8.9	0.0	8.9	3.4
25	16.3	24.4	20.5	80.7	0.0	0.0	0.0	2.5
26	16.8	25.6	20.3	82.0	4.4	0.0	4.4	5.0
27	16.2	24.9	20.0	82.3	0.0	0.0	0.0	3.0
28	15.9	24.6	19.6	85.0	.4	9.6	10.0	5.1
29	16.7	21.4	18.8	91.0	17.8	0.0	17.8	0.0
30	15.3	25.6	20.1	82.0	0.0	0.0	0.0	3.9
31	16.4	24.4	20.1	79.0	.1	0.0	.1	2.5
TOTAL PROMEDIO	16.4	25.3	20.1	82.3	66.8	33.3	100.1	111.5

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.7	24.2	18.5	82.0	4.1	.1	4.2	3.6
2	13.3	26.0	20.2	79.3	0.0	0.0	0.0	8.5
3	15.9	25.4	20.2	81.3	0.0	0.0	0.0	5.1
4	16.5	24.3	19.7	87.0	1.5	0.0	1.5	2.6
5	16.9	27.4	21.3	76.0	0.0	0.0	0.0	8.3
6	16.6	27.6	21.2	79.3	0.0	0.0	0.0	6.5
7	15.8	29.0	21.5	72.3	0.0	0.0	0.0	6.7
8	15.2	23.0	19.2	86.7	0.0	0.0	0.0	0.0
9	16.4	23.2	19.4	84.0	.9	3.3	4.2	0.0
10	17.0	20.9	18.6	90.3	.4	2.0	2.4	.2
11	16.4	23.7	19.8	81.0	0.0	0.0	0.0	1.8
12	16.3	24.8	19.4	83.7	4.5	0.0	4.5	3.2
13	14.2	24.2	18.9	82.3	1.0	.2	1.2	5.7
14	16.3	26.2	20.4	77.7	.6	0.0	.6	4.3
15	15.8	25.8	20.5	81.3	.6	4.2	4.8	3.7
16	15.0	25.6	20.1	82.0	0.0	0.0	0.0	5.3
17	15.8	26.2	20.4	80.7	0.0	0.0	0.0	6.9
18	15.6	26.3	20.3	81.7	0.0	0.0	0.0	7.0
19	15.7	27.0	21.0	81.3	0.0	0.0	0.0	6.7
20	15.8	28.8	21.8	72.7	0.0	0.0	0.0	7.8
21	14.2	28.4	21.1	72.0	0.0	0.0	0.0	7.5
22	14.8	26.7	20.3	83.0	0.0	0.0	0.0	4.3
23	15.7	25.2	19.7	80.7	0.0	0.0	0.0	1.4
24	16.9	23.8	19.9	84.3	6.0	0.0	6.0	2.0
25	15.8	24.9	20.6	77.7	0.0	0.0	0.0	5.3
26	14.8	25.8	20.3	79.0	0.0	0.0	0.0	5.7
27	17.4	24.0	20.2	83.3	0.0	0.0	0.0	0.0
28	15.6	28.6	21.6	70.7	0.0	0.0	0.0	8.7
29	14.0	28.4	21.1	75.7	0.0	0.0	0.0	9.2
30	16.3	28.6	21.5	71.7	0.0	5.7	5.7	7.3
31								
TOTAL PROMEDIO	15.7	25.8	20.3	80.0	19.6	15.5	35.1	145.3

ESTACION: ALBAN

DPTO: VALLE

LATITUD : 04° 46'N

AÑO : 1990

MPIO: EL CAIRO

LONGITUD: 76° 11'W  
ALTITUD : 1500 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.8	26.1	20.7	78.3	0.0	0.0	0.0	7.2
2	16.4	28.9	21.3	71.7	0.0	0.0	0.0	4.0
3	16.3	25.4	20.0	80.3	0.0	0.0	0.0	3.9
4	16.8	24.9	19.3	84.0	9.7	.3	10.0	4.6
5	16.3	23.9	19.0	82.7	1.4	0.0	1.4	2.4
6	14.3	26.4	19.9	79.0	0.0	0.0	0.0	5.5
7	15.8	24.8	20.0	78.7	0.0	1.9	1.9	5.4
8	15.4	24.9	19.6	80.3	0.0	3.3	3.3	7.1
9	15.1	23.9	19.6	79.7	.2	5.5	5.7	4.2
10	15.2	25.4	19.4	79.7	0.0	0.0	0.0	2.4
11	16.2	23.9	19.6	81.7	0.0	0.0	0.0	4.5
12	14.8	27.4	20.7	74.7	0.0	0.0	0.0	4.6
13	15.8	27.8	21.0	73.0	0.0	0.0	0.0	4.6
14	15.1	23.9	19.2	76.0	0.0	0.0	0.0	4.8
15	16.3	23.4	18.5	88.0	3.3	0.0	3.3	3.4
16	15.2	23.1	19.3	80.3	0.0	0.0	0.0	1.3
17	14.9	22.9	17.9	88.3	4.6	0.0	4.6	1.3
18	14.4	25.6	18.1	84.7	6.4	3.7	10.1	3.9
19	16.0	26.4	19.9	78.3	.8	0.0	.8	6.3
20	12.9	25.1	18.9	78.3	0.0	7.7	7.7	6.7
21	14.9	27.2	19.9	75.3	0.0	3.9	3.9	7.0
22	12.9	26.2	19.0	80.3	9.1	0.0	9.1	6.8
23	13.9	24.0	19.1	81.0	1.5	0.0	1.5	7.1
24	14.9	25.4	19.2	83.3	0.0	0.0	0.0	8.4
25	14.8	26.3	20.7	75.0	0.0	0.0	0.0	8.5
26	14.9	24.9	20.2	77.0	0.0	0.0	0.0	3.3
27	14.7	24.8	19.2	80.3	0.0	0.0	0.0	7.9
28	14.0	28.3	21.1	71.0	0.0	0.0	0.0	8.1
29	14.2	28.6	20.5	74.0	0.0	0.0	0.0	7.2
30	16.3	28.3	20.9	74.3	.1	0.0	.1	7.4
31	12.4	28.2	20.2	69.7	0.0	0.0	0.0	9.0
TOTAL					37.1	26.3	63.4	168.8
PROMEDIO	15.1	25.7	19.7	78.7				

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	12.8	26.0	19.2	79.7	0.0	0.0	0.0	7.0
2	16.3	24.2	19.9	80.7	0.0	0.0	0.0	2.8
3	16.2	28.5	20.6	73.3	0.0	0.0	0.0	8.1
4	14.2	27.9	20.5	72.0	0.0	0.0	0.0	7.7
5	16.0	25.1	19.9	78.3	0.0	0.0	0.0	8.0
6	13.2	26.8	20.1	77.0	0.0	0.0	0.0	7.2
7	16.9	25.0	20.3	81.0	.4	0.0	.4	7.1
8	17.2	25.4	20.3	82.0	0.0	0.0	0.0	6.4
9	17.0	26.1	20.3	80.3	0.0	0.0	0.0	6.9
10	16.2	26.3	20.3	77.3	0.0	0.0	0.0	1.8
11	14.0	28.9	20.4	73.0	0.0	0.0	0.0	6.4
12	14.8	27.0	19.8	80.3	.6	0.0	.6	7.8
13	14.9	24.9	19.1	81.7	23.5	0.0	23.5	3.2
14	15.8	23.4	18.7	85.0	2.3	0.0	2.3	1.0
15	13.3	25.0	18.7	82.7	0.0	0.0	0.0	5.1
16	16.2	27.0	20.8	76.7	0.0	0.0	0.0	6.6
17	16.9	26.8	20.2	81.0	0.0	0.0	0.0	8.0
18	16.6	26.4	20.9	78.3	0.0	0.0	0.0	1.1
19	16.7	26.8	20.9	76.3	0.0	0.0	0.0	5.3
20	15.4	26.4	20.7	78.3	0.0	0.0	0.0	1.7
21	15.7	28.0	21.0	67.7	0.0	0.0	0.0	1.6
22	14.9	26.3	19.6	79.0	0.0	0.0	0.0	5.9
23	15.2	26.2	19.8	75.7	0.0	0.0	0.0	7.3
24	14.2	27.4	20.0	75.7	0.0	0.0	0.0	7.0
25	15.4	29.0	20.7	72.3	0.0	9.9	9.9	7.1
26	15.0	23.6	18.3	85.7	.6	0.0	.6	3.2
27	14.9	23.7	19.2	81.3	0.0	.1	.1	6.2
28	16.3	23.0	18.7	83.3	4.2	0.0	4.2	2.1
29	13.9	24.5	19.0	80.7	0.0	0.0	0.0	5.5
30	16.4	23.5	19.8	79.7	0.0	17.7	17.7	4.1
31	14.8	25.0	18.9	82.7	0.0	12.9	12.9	7.2
TOTAL					31.6	40.6	72.2	166.4
PROMEDIO	15.4	25.9	19.9	78.7				

ESTACION: ALBAN

DPTO: VALLE

LATITUD : 04° 46'N

AÑO : 1990

MPIO: EL CAIRO

LONGITUD: 76° 11'W

ALTITUD : 1500 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.8	25.1	19.4	80.3	0.0	23.4	23.4	6.1
2	15.9	24.3	19.4	83.0	6.4	0.0	6.4	4.7
3	16.0	24.2	19.0	81.3	0.0	0.0	0.0	4.3
4	15.0	27.0	20.2	80.7	0.0	0.0	0.0	4.5
5	15.5	27.4	21.2	75.0	0.0	0.0	0.0	8.7
6	17.3	23.7	20.0	81.0	.2	.2	.4	2.6
7	15.9	24.7	19.9	81.3	0.0	0.0	0.0	6.5
8	16.6	25.0	19.9	81.3	0.0	0.0	0.0	4.7
9	15.6	25.6	19.8	81.7	0.0	2.7	2.7	4.1
10	15.5	25.2	19.4	83.0	5.3	15.0	20.3	4.9
11	15.9	24.8	19.7	79.3	0.0	0.0	0.0	3.6
12	16.2	24.4	19.7	79.3	3.1	.1	3.2	5.3
13	16.0	27.2	19.6	82.0	0.0	1.7	1.7	6.0
14	15.9	23.5	18.5	82.3	2.4	0.0	2.4	2.2
15	12.0	29.1	20.3	74.3	0.0	0.0	0.0	4.4
16	14.9	24.0	19.8	82.3	0.0	.1	.1	5.7
17	13.7	24.8	19.5	82.7	0.0	0.0	0.0	9.3
18	16.8	27.5	20.4	79.3	0.0	1.9	1.9	5.2
19	16.0	26.4	18.7	89.0	0.0	18.0	18.0	5.1
20	15.5	26.5	19.1	75.0	0.0	11.0	11.0	5.8
21	14.7	24.7	18.9	83.3	0.0	1.6	1.6	3.6
22	16.5	23.2	19.5	83.3	0.0	0.0	0.0	1.6
23	16.6	22.6	18.0	87.0	2.1	0.0	2.1	1.7
24	13.2	24.5	19.2	82.0	0.0	0.0	0.0	4.9
25	15.3	23.8	19.6	83.7	.3	.1	.4	5.2
26	15.7	24.8	19.9	81.0	.1	.7	.8	5.4
27	14.4	24.1	18.3	82.7	1.7	0.0	1.7	5.0
28	16.4	24.0	20.0	83.3	.1	.4	.5	5.7
29	16.8	25.5	20.1	80.3	0.0	0.0	0.0	6.2
30	15.7	25.9	19.6	81.7	7.8	.7	8.5	5.0
31								
TOTAL PROMEDIO	15.6	25.1	19.5	81.4	29.5	77.6	107.1	148.0

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.3	23.4	19.3	82.7	1.7	9.7	11.4	1.3
2	15.0	22.0	18.4	84.3	5.6	.6	6.2	1.0
3	16.0	24.9	19.7	80.3	0.0	.6	.6	4.3
4	16.2	23.5	19.5	85.0	2.0	15.2	17.2	2.3
5	16.4	21.2	17.3	91.0	8.1	0.0	8.1	4.4
6	13.8	23.5	18.9	77.7	0.0	0.0	0.0	6.8
7	15.8	24.4	17.9	85.0	9.7	3.4	13.1	1.2
8	15.5	24.0	19.4	79.0	0.0	0.0	0.0	2.0
9	16.4	23.6	18.9	85.3	.5	0.0	.5	2.2
10	16.5	24.0	18.9	84.7	1.8	.8	2.6	1.2
11	15.6	23.5	18.8	84.3	0.0	6.6	6.6	1.6
12	15.4	25.1	18.8	81.0	21.8	.6	22.4	2.1
13	15.3	24.4	19.7	80.7	.6	4.0	4.6	2.9
14	16.8	24.8	18.8	89.3	2.1	0.0	2.1	2.6
15	16.2	22.9	19.0	81.7	1.2	0.0	1.2	3.1
16	15.5	23.8	18.8	85.0	3.1	6.8	9.9	3.4
17	16.0	22.5	18.8	83.0	1.5	5.5	7.0	4.1
18	15.4	24.8	19.9	78.0	0.0	20.8	20.8	4.1
19	16.9	24.5	19.9	83.7	1.3	3.1	4.4	2.7
20	16.0	24.7	19.0	76.7	.5	1.2	1.7	1.4
21	15.6	23.5	18.4	85.0	.1	13.5	13.6	5.3
22	16.2	22.5	18.2	87.3	19.7	.2	19.9	.7
23	15.2	23.4	18.8	80.0	0.0	0.0	0.0	3.0
24	15.4	25.5	19.0	81.0	16.8	.3	17.1	1.7
25	14.9	24.2	19.6	82.0	0.0	1.3	1.3	6.6
26	15.6	26.0	20.0	76.0	0.0	1.7	1.7	5.5
27	15.8	23.5	19.3	81.7	0.0	0.0	0.0	5.3
28	16.0	24.0	19.1	81.3	7.1	3.7	10.8	2.4
29	15.0	22.8	17.6	94.7	20.0	0.0	20.0	1.3
30	16.2	24.0	19.2	84.0	.3	.2	.5	4.5
31	14.8	25.4	19.5	83.0	1.7	.2	1.9	3.7
TOTAL PROMEDIO	15.7	23.9	19.0	83.0	127.2	100.0	227.2	90.7

ESTACION: ALBAN

DPTO: VALLE

LATITUD : 04° 46'N

AÑO : 1990

MPIO: EL CAIRO

LONGITUD: 76° 11'W  
ALTITUD : 1500 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.9	26.4	19.6	80.3	0.0	1.0	1.0	4.5
2	16.7	23.8	18.8	87.3	25.4	0.0	25.4	3.2
3	16.3	24.0	18.9	82.7	0.0	20.8	20.8	1.1
4	16.0	22.3	17.9	88.3	9.4	0.0	9.4	.1
5	14.0	25.4	19.0	80.3	.3	0.0	.3	4.5
6	15.6	26.9	20.5	77.0	0.0	0.0	0.0	5.7
7	17.1	24.8	20.2	80.0	0.0	0.0	0.0	6.5
8	15.0	25.6	19.9	81.0	0.0	13.7	13.7	6.8
9	16.9	23.6	19.9	84.0	.9	0.0	.9	4.0
10	16.0	24.2	19.4	84.3	.4	0.0	.4	3.9
11	15.6	25.8	20.1	81.7	0.0	0.0	0.0	7.4
12	16.2	26.4	20.6	79.0	0.0	0.0	0.0	5.4
13	17.2	25.7	20.5	82.3	0.0	0.0	0.0	6.8
14	16.9	25.0	20.8	81.7	0.0	0.0	0.0	6.9
15	17.5	25.1	20.5	84.3	0.0	.4	.4	6.2
16	17.0	24.2	20.4	84.3	0.0	9.2	9.2	4.5
17	15.9	24.9	19.5	76.7	.3	11.3	11.6	2.2
18	16.0	21.4	18.3	89.0	1.3	0.0	1.3	0.0
19	14.0	24.9	19.9	83.0	0.0	0.0	0.0	4.6
20	16.4	24.2	19.7	84.0	.1	.4	.5	2.9
21	16.9	21.9	17.1	95.7	10.0	0.0	10.0	0.0
22	13.5	24.0	18.6	83.3	0.0	.6	.6	4.7
23	15.9	23.4	19.0	83.7	6.5	6.7	13.2	2.8
24	16.0	26.2	19.8	80.7	18.3	0.0	18.3	4.4
25	14.8	24.8	18.9	82.7	0.0	.2	.2	5.0
26	15.8	24.2	19.5	84.7	0.0	0.0	0.0	4.1
27	17.0	24.0	19.9	83.7	0.0	2.1	2.1	.9
28	16.9	23.4	19.4	83.7	1.2	0.0	1.2	2.1
29	16.5	24.6	19.6	79.7	0.0	2.9	2.9	4.4
30	16.4	24.0	19.2	87.0	.5	0.0	.5	3.8
31								
TOTAL					74.6	69.3	143.9	119.4
PROMEDIO	16.1	24.5	19.5	83.2				

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.8	23.8	19.6	83.0	.2	4.2	4.4	1.2
2	16.9	25.3	19.0	86.3	14.5	3.0	17.5	2.6
3	16.0	22.0	18.0	92.7	4.1	.2	4.3	.9
4	16.1	21.9	19.1	84.0	.5	49.0	49.5	1.1
5	15.5	20.3	17.1	88.7	11.0	8.0	19.0	0.0
6	15.0	23.4	18.5	84.0	1.1	0.0	1.1	1.6
7	12.9	25.4	18.7	82.3	.1	.9	1.0	4.7
8	14.6	23.4	16.8	87.7	4.2	.4	4.6	2.6
9	12.1	26.8	19.5	75.7	0.0	0.0	0.0	8.3
10	12.8	25.2	18.8	81.3	0.0	0.0	0.0	7.1
11	14.7	24.0	18.5	83.7	2.7	0.0	2.7	4.0
12	13.3	23.4	18.4	84.3	0.0	0.0	0.0	6.3
13	16.2	24.0	19.8	80.0	0.0	0.0	0.0	4.9
14	16.0	24.9	19.9	83.7	1.6	0.0	1.6	5.1
15	15.4	27.2	20.3	81.3	0.0	0.0	0.0	7.9
16	15.9	25.6	20.5	78.0	0.0	0.0	0.0	4.6
17	16.0	25.0	20.1	81.3	0.0	0.0	0.0	5.7
18	16.4	26.4	20.2	80.7	0.0	0.0	0.0	5.0
19	16.5	24.0	19.5	83.0	0.0	0.0	0.0	.3
20	16.8	25.0	20.5	80.0	0.0	0.0	0.0	5.6
21	17.6	25.2	20.7	78.0	0.0	0.0	0.0	2.2
22	15.9	23.6	19.8	81.7	0.0	0.0	0.0	0.0
23	15.6	24.0	19.3	84.3	0.0	.4	.4	.8
24	16.4	23.6	19.1	82.3	.6	.1	.7	.9
25	16.5	25.1	19.7	83.0	2.6	0.0	2.6	3.0
26	16.7	26.5	19.2	85.7	12.4	.4	12.8	2.7
27	16.9	23.5	19.4	83.3	0.0	0.0	0.0	0.0
28	15.5	23.0	18.3	91.0	7.1	0.0	7.1	.4
29	16.2	25.8	19.8	80.0	.9	0.0	.9	3.8
30	15.3	23.6	19.5	81.0	0.0	2.4	2.4	2.5
31	17.0	23.7	17.9	92.3	8.4	0.0	8.4	1.1
TOTAL					72.0	69.0	141.0	96.9
PROMEDIO	15.7	24.3	19.2	83.4				

ESTACION: ALBAN  
 AÑO : 1990

DPTO: VALLE  
 MPIO: EL CAIRO

LATITUD : 04° 46'N  
 LONGITUD: 76° 11'W  
 ALTITUD : 1500 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	BRILLO SOL(h)
ENERO	16.4	24.9	20.0	14.5	29.2	85.0	97.9	20	109.0
FEBRERO	16.2	24.3	19.7	13.8	27.6	85.3	77.3	17	68.9
MARZO	16.1	24.8	20.0	13.6	28.6	82.5	94.7	18	116.0
ABRIL	16.1	24.6	19.8	12.4	27.6	82.5	97.5	21	104.9
MAYO	16.4	25.3	20.1	13.8	27.8	82.3	100.1	20	111.5
JUNIO	15.7	25.8	20.3	13.3	29.0	80.0	35.1	10	145.3
JULIO	15.1	25.7	19.7	12.4	28.9	78.7	63.4	14	168.8
AGOSTO	15.4	25.9	19.9	12.8	29.0	78.7	72.2	10	166.4
SEPTIEMBRE	15.6	25.1	19.5	12.0	29.1	81.4	107.1	19	148.0
OCTUBRE	15.7	23.9	19.0	13.8	26.0	83.0	227.2	27	90.7
NOVIEMBRE	16.1	24.5	19.5	13.5	26.9	83.2	143.9	22	119.4
DICIEMBRE	15.7	24.3	19.2	12.1	27.2	83.4	141.0	18	96.9
PROMEDIO	15.9	24.9	19.7			82.1			
ABSOLUTA				12.0	29.2				
TOTAL							1257.4	216	1445.8

ESTACION: ARTURO GOMEZ

DPTO: VALLE

LATITUD : 04° 40'N

LONGITUD: 75° 47'W

AÑO : 1990

MPIO: ALCALA

ALTITUD : 1320 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.8	27.3	22.0	73.0	0.0	15.3	15.3	6.1
2	17.0	28.2	22.3	78.3	0.0	2.4	2.4	7.2
3	17.6	27.0	22.1	81.3	0.0	0.0	0.0	3.5
4	16.6	28.5	20.9	83.3	.2	0.0	.2	4.9
5	16.5	24.2	20.4	88.0	0.0	0.0	0.0	.1
6	17.5	26.5	20.7	83.3	0.0	1.2	1.2	3.0
7	17.2	27.5	21.3	85.3	0.0	7.9	7.9	2.4
8	16.5	23.2	20.0	87.0	3.7	0.0	3.7	0.0
9	16.0	28.0	20.3	82.3	0.0	3.4	3.4	5.6
10	16.8	26.6	20.5	85.0	14.8	0.0	14.8	2.3
11	17.5	28.0	20.7	82.7	0.0	0.0	0.0	5.4
12	17.6	24.2	19.1	89.0	15.8	15.5	31.3	.3
13	16.0	27.5	20.7	84.3	0.0	0.0	0.0	6.1
14	17.5	27.8	21.9	81.3	0.0	0.0	0.0	4.8
15	16.5	28.5	23.2	76.7	0.0	0.0	0.0	5.8
16	16.2	27.6	22.3	79.7	0.0	0.0	0.0	4.4
17	17.8	28.5	23.3	79.0	0.0	0.0	0.0	5.4
18	17.0	29.4	22.1	83.0	.2	0.0	.2	6.4
19	17.4	28.6	21.9	84.0	.2	0.0	.2	2.5
20	18.0	29.2	22.2	80.7	0.0	0.0	0.0	6.1
21	15.2	28.9	22.3	77.0	0.0	0.0	0.0	4.3
22	17.4	26.5	21.0	84.7	0.0	0.0	0.0	4.8
23	15.5	29.5	23.2	78.0	0.0	0.0	0.0	9.2
24	16.0	29.2	22.7	79.3	0.0	0.0	0.0	7.3
25	15.6	31.2	23.5	73.7	0.0	0.0	0.0	9.5
26	18.2	23.4	20.8	90.7	1.1	.4	1.5	0.0
27	16.4	29.4	23.2	76.7	0.0	0.0	0.0	7.3
28	16.5	29.2	23.2	75.7	0.0	0.0	0.0	5.3
29	16.0	30.0	23.0	78.3	0.0	0.0	0.0	6.4
30	16.2	29.3	23.7	78.0	0.0	0.0	0.0	5.0
31	18.4	27.5	23.3	82.7	0.0	0.0	0.0	1.4
TOTAL PROMEDIO	16.8	27.8	21.8	81.4	36.0	46.1	82.1	142.8

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	29.0	23.8	79.7	0.0	0.0	0.0	3.9
2	17.2	28.0	21.6	84.0	0.0	0.0	0.0	1.4
3	17.4	27.2	22.4	80.7	0.0	0.0	0.0	.9
4	19.0	27.6	22.5	83.3	0.0	8.0	8.0	2.4
5	17.4	26.5	19.9	87.0	3.0	5.4	8.4	1.3
6	17.2	26.2	21.3	84.0	0.0	0.0	0.0	3.1
7	16.5	28.8	22.7	81.7	0.0	0.0	0.0	4.3
8	18.5	30.0	22.2	82.0	5.0	15.4	20.4	3.2
9	16.8	28.2	22.5	78.7	.1	0.0	.1	4.8
10	18.5	28.3	22.9	84.7	0.0	0.0	0.0	5.4
11	18.7	27.5	22.7	81.7	0.0	3.0	3.0	3.1
12	18.0	24.6	21.3	87.3	.7	0.0	.7	.1
13	17.5	22.1	20.4	92.0	1.9	0.0	1.9	0.0
14	15.8	28.7	22.2	80.7	0.0	3.3	3.3	6.7
15	18.4	28.6	22.8	78.7	0.0	0.0	0.0	5.3
16	18.6	29.5	23.1	75.3	0.0	0.0	0.0	6.9
17	17.4	30.2	22.8	73.0	0.0	0.0	0.0	8.2
18	17.5	24.6	20.4	89.3	4.4	1.5	5.9	1.7
19	17.0	26.4	21.3	81.7	.1	0.0	.1	2.2
20	17.3	28.7	20.2	85.0	7.8	0.0	7.8	3.5
21	16.8	28.6	21.4	77.7	0.0	0.0	0.0	7.7
22	16.0	27.2	20.3	81.7	6.5	0.0	6.5	1.8
23	16.4	27.0	21.9	83.0	0.0	0.0	0.0	1.1
24	17.4	23.8	19.8	89.0	0.0	5.0	5.0	2.8
25	17.2	27.0	21.3	83.3	0.0	.2	.2	4.6
26	17.0	26.4	20.1	86.0	0.0	.1	.1	.2
27	16.9	27.0	21.9	77.3	0.0	0.0	0.0	4.1
28	16.6	27.1	21.6	75.3	0.0	0.0	0.0	3.1
29								
30								
31								
TOTAL PROMEDIO	17.4	27.3	21.7	82.3	29.5	41.9	71.4	93.8

ESTACION: ARTURO GOMEZ

DPTO: VALLE

LATITUD : 04° 40'N

ANO : 1990

MPIO: ALCALA

LONGITUD: 75° 47'W

ALTITUD : 1320 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.4	27.5	22.2	76.7	0.0	0.0	0.0	5.0
2	16.7	29.0	21.7	77.0	0.0	0.0	0.0	6.8
3	17.9	26.5	19.5	86.7	.3	0.0	.3	.4
4	13.6	25.1	20.3	78.7	0.0	0.0	0.0	1.4
5	16.7	25.4	21.5	83.0	.4	0.0	.4	1.3
6	14.7	29.2	22.7	76.7	0.0	24.4	24.4	6.8
7	18.0	28.0	22.6	83.0	0.0	0.0	0.0	3.5
8	17.8	29.2	23.7	75.7	0.0	0.0	0.0	8.1
9	16.5	30.0	23.5	74.7	0.0	0.0	0.0	8.0
10	16.6	30.8	23.6	72.7	0.0	0.0	0.0	6.1
11	17.8	27.5	22.5	84.0	0.0	0.0	0.0	.7
12	17.5	31.4	23.9	73.7	0.0	1.1	1.1	8.1
13	18.5	31.0	24.7	75.3	0.0	0.0	0.0	6.4
14	17.5	27.5	22.8	82.0	0.0	0.0	0.0	1.2
15	19.0	26.0	22.3	85.7	0.0	22.3	22.3	0.0
16	16.9	27.0	21.8	84.0	.2	0.0	.2	2.4
17	18.0	29.5	22.1	84.7	.6	40.2	40.8	3.8
18	17.4	27.2	20.1	91.7	1.7	0.0	1.7	.3
19	17.0	25.8	21.8	82.0	0.0	0.0	0.0	3.6
20	18.4	29.2	22.1	83.7	3.0	0.0	3.0	2.8
21	18.0	23.0	19.6	92.0	5.7	0.0	5.7	0.0
22	14.6	29.1	23.4	76.7	0.0	10.6	10.6	7.8
23	19.0	25.5	22.1	87.3	0.0	6.2	6.2	1.7
24	18.0	26.0	20.9	88.0	1.3	0.0	1.3	1.3
25	17.9	24.5	19.5	95.0	.5	1.8	2.3	.6
26	17.2	23.0	19.1	94.0	5.3	11.7	17.0	.2
27	14.5	26.4	20.7	78.0	0.0	0.0	0.0	7.2
28	16.5	28.5	23.1	74.0	0.0	0.0	0.0	6.1
29	17.0	29.7	23.6	76.7	0.0	0.0	0.0	7.3
30	17.5	29.8	23.7	76.3	0.0	1.5	1.5	6.3
31	18.2	29.0	21.8	80.7	.5	31.3	31.8	5.3
TOTAL PROMEDIO	17.2	27.7	22.0	81.6	19.5	151.1	170.6	120.5

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.6	22.5	19.7	90.0	0.0	0.0	0.0	.2
2	15.4	27.5	22.8	74.3	0.0	2.0	2.0	5.9
3	17.2	27.8	21.3	83.7	0.0	0.0	0.0	3.3
4	18.0	26.1	21.5	86.0	5.9	12.5	18.4	2.5
5	17.5	27.4	22.1	83.3	0.0	0.0	0.0	3.6
6	18.2	26.8	20.7	85.3	27.7	0.0	27.7	2.0
7	16.5	28.8	22.9	80.7	0.0	0.0	0.0	6.2
8	17.0	27.3	22.9	80.3	0.0	0.0	0.0	3.0
9	16.8	30.4	23.1	80.7	0.0	0.0	0.0	6.2
10	17.0	30.2	22.1	79.3	12.3	0.0	12.3	7.1
11	17.6	30.0	23.3	80.0	0.0	0.0	0.0	6.3
12	19.6	29.3	23.6	81.0	.6	0.0	.6	5.4
13	18.4	28.0	21.8	82.0	.3	0.0	.3	1.9
14	19.5	28.2	22.8	84.0	0.0	.7	.7	3.3
15	18.4	29.2	22.1	84.0	.2	12.8	13.0	0.0
16	17.0	22.5	19.5	93.7	.9	0.0	.9	0.0
17	16.7	28.4	22.1	83.0	0.0	1.4	1.4	6.3
18	18.0	28.7	22.2	81.3	0.0	0.0	0.0	5.5
19	17.9	28.6	22.4	81.7	3.0	0.0	3.0	3.2
20	17.8	28.2	21.7	84.0	16.3	23.0	39.3	3.1
21	17.5	25.2	20.6	89.3	.1	0.0	.1	.7
22	16.4	28.7	21.2	83.3	21.7	31.5	53.2	6.7
23	17.8	24.0	20.7	87.0	0.0	0.0	0.0	0.0
24	18.5	25.6	21.4	84.3	0.0	0.0	0.0	.7
25	18.0	26.2	20.0	88.7	43.3	.8	44.1	1.3
26	16.4	27.1	22.3	82.0	0.0	4.9	4.9	3.5
27	17.4	27.3	20.8	83.7	17.9	3.2	21.1	4.6
28	17.5	26.8	21.3	85.7	.3	7.0	7.3	2.4
29	17.0	25.2	20.7	90.0	0.0	0.0	0.0	.8
30	16.5	24.2	20.7	85.7	0.0	30.1	30.1	0.0
31								
TOTAL PROMEDIO	17.5	27.2	21.7	83.9	150.5	129.9	280.4	95.7

ESTACION: ARTURO GOMEZ

DPTO: VALLE

LATITUD : 04° 40'N

ANO : 1990

MPIO: ALCALA

LONGITUD : 75° 47'W

ALTITUD : 1320 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.5	28.1	21.7	84.0	1.1	0.0	1.1	4.0
2	16.6	27.0	21.6	85.0	0.0	.7	.7	2.7
3	17.2	28.0	20.4	82.3	23.8	0.0	23.8	4.0
4	17.0	27.8	21.2	83.3	7.8	4.3	12.1	3.9
5	17.5	26.5	20.9	84.7	.4	9.2	9.6	2.8
6	18.2	25.8	22.2	85.0	0.0	0.0	0.0	.7
7	18.0	28.3	22.1	82.0	2.5	0.0	2.5	4.1
8	17.8	25.8	21.7	88.7	0.0	0.0	0.0	.8
9	18.0	27.9	22.5	84.0	.1	0.0	.1	4.6
10	18.4	28.2	22.5	83.0	0.0	1.0	1.0	3.7
11	18.0	28.1	22.3	79.0	.2	0.0	.2	4.2
12	16.5	25.6	21.7	84.0	.4	0.0	.4	.4
13	18.4	25.8	20.8	91.3	4.1	13.5	17.6	.8
14	18.0	26.8	21.7	83.3	13.0	0.0	13.0	1.7
15	17.0	27.0	21.1	86.3	0.0	0.0	0.0	.9
16	17.2	29.0	22.9	80.3	0.0	0.0	0.0	6.3
17	19.0	27.3	22.9	81.7	0.0	0.0	0.0	.3
18	18.4	28.2	22.7	79.0	0.0	0.0	0.0	5.0
19	18.0	28.3	22.9	80.0	0.0	0.0	0.0	4.6
20	18.4	27.0	23.1	84.3	2.3	0.0	2.3	3.1
21	18.5	27.5	22.7	84.3	0.0	0.0	0.0	.4
22	18.6	28.2	23.0	81.0	.2	0.0	.2	2.5
23	18.2	28.0	23.0	80.7	0.0	0.0	0.0	2.2
24	18.5	26.0	19.8	97.3	8.5	0.0	8.5	1.9
25	17.8	25.5	21.6	86.0	0.0	0.0	0.0	0.0
26	17.4	27.5	22.1	83.3	1.9	0.0	1.9	3.2
27	17.0	25.8	20.8	89.7	3.8	0.0	3.8	1.7
28	16.8	26.5	21.6	83.3	1.3	17.3	18.6	4.7
29	17.5	22.5	19.4	90.7	6.5	0.0	6.5	.1
30	16.6	26.4	21.4	85.0	0.0	0.0	0.0	3.0
31	17.4	25.6	21.7	84.0	.9	.4	1.3	1.8
TOTAL PROMEDIO	17.7	27.0	21.8	84.4	78.8	46.4	125.2	80.1

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.5	27.0	20.5	85.3	31.8	0.0	31.8	4.2
2	14.8	27.5	21.3	79.7	0.0	0.0	0.0	4.2
3	17.6	27.2	22.3	83.0	0.0	0.0	0.0	4.3
4	16.5	27.5	20.9	85.0	2.1	0.0	2.1	4.0
5	17.2	28.5	22.4	82.7	0.0	0.0	0.0	4.6
6	17.0	30.1	23.9	78.0	0.0	0.0	0.0	7.8
7	15.6	28.8	22.7	79.3	0.0	0.0	0.0	6.1
8	16.0	26.4	21.7	84.3	0.0	0.0	0.0	0.0
9	17.4	25.2	21.0	88.3	5.1	3.3	8.4	0.0
10	18.0	24.2	20.4	89.3	1.3	1.7	3.0	.6
11	17.6	24.9	20.9	88.3	0.0	0.0	0.0	.2
12	18.4	26.5	21.3	89.7	0.0	0.0	0.0	2.6
13	15.0	26.4	20.8	85.7	0.0	9.5	9.5	2.6
14	17.5	27.3	20.2	83.3	1.2	2.5	3.7	2.7
15	16.4	28.0	21.2	84.7	.5	4.3	4.8	4.6
16	17.5	27.5	21.5	85.3	4.1	0.0	4.1	4.9
17	16.5	27.6	21.8	83.7	0.0	0.0	0.0	7.3
18	15.6	28.4	22.1	83.3	2.8	0.0	2.8	6.3
19	15.5	28.9	23.0	80.7	0.0	0.0	0.0	7.0
20	16.5	30.4	24.1	67.0	0.0	0.0	0.0	7.2
21	15.8	29.8	23.4	70.7	0.0	0.0	0.0	6.3
22	17.0	28.5	22.3	82.3	4.3	0.0	4.3	4.4
23	16.0	26.2	20.8	87.3	1.0	0.0	1.0	2.3
24	17.4	26.3	19.9	92.7	2.7	0.0	2.7	2.7
25	16.4	27.6	22.0	84.0	.4	0.0	.4	5.2
26	15.8	28.0	22.5	80.3	0.0	0.0	0.0	6.4
27	17.0	26.2	21.9	85.0	0.0	0.0	0.0	.1
28	16.6	30.2	23.0	78.7	0.0	0.0	0.0	6.4
29	16.0	30.0	24.1	63.7	0.0	0.0	0.0	7.6
30	17.4	29.2	23.0	79.3	0.0	0.0	0.0	6.8
31								
TOTAL PROMEDIO	16.6	27.7	21.9	82.4	57.3	21.3	78.6	129.4



ESTACION: ARTURO GOMEZ

DPTO: VALLE

LATITUD : 04° 40'N

AÑO : 1990

MPIO: ALCALA

LONGITUD: 75° 47'W

ALTITUD : 1320 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	28.2	20.9	82.0	2.5	.6	3.1	5.7
2	16.8	27.4	22.0	77.3	0.0	0.0	0.0	4.3
3	16.0	28.4	21.9	81.0	6.0	0.0	6.0	4.5
4	17.0	28.2	21.0	81.0	0.0	.2	.2	5.0
5	17.1	28.9	20.6	82.3	.2	0.0	.2	3.0
6	15.3	27.2	20.8	84.7	0.0	0.0	0.0	4.3
7	16.0	28.2	22.7	75.7	0.0	.4	.4	4.6
8	16.4	27.0	22.5	75.7	0.0	21.0	21.0	4.5
9	16.8	27.5	21.6	82.0	0.0	9.3	9.3	4.7
10	16.4	25.0	20.5	88.0	1.6	0.0	1.6	2.8
11	16.0	27.2	21.3	82.0	0.0	0.0	0.0	5.2
12	15.9	28.0	21.8	82.0	0.0	.1	.1	3.3
13	16.0	28.3	21.0	78.7	.9	0.0	.9	4.2
14	17.0	25.8	21.2	79.0	2.4	0.0	2.4	1.7
15	16.8	25.6	21.8	81.3	.5	0.0	.5	2.6
16	18.0	25.2	20.4	92.0	.8	2.4	3.2	1.1
17	17.5	26.0	20.5	86.7	1.1	.6	1.7	3.3
18	16.2	25.8	19.8	81.3	1.9	14.8	16.7	2.4
19	15.6	27.0	21.2	76.0	0.0	0.0	0.0	5.5
20	14.0	27.0	21.7	75.0	.1	2.6	2.7	4.1
21	17.0	28.6	19.2	83.0	.1	.7	.8	6.0
22	14.0	27.1	20.6	82.0	0.0	0.0	0.0	3.7
23	16.0	28.0	21.8	76.0	0.0	0.0	0.0	4.4
24	16.5	29.0	22.9	75.0	0.0	0.0	0.0	5.9
25	15.6	28.8	22.1	77.0	0.0	0.0	0.0	6.2
26	15.7	27.0	21.7	74.0	0.0	0.0	0.0	4.6
27	15.2	28.6	21.6	76.7	1.3	0.0	1.3	5.3
28	15.5	30.5	24.1	60.7	0.0	0.0	0.0	7.1
29	16.5	29.5	23.0	71.0	0.0	0.0	0.0	6.5
30	17.2	30.0	23.7	58.7	0.0	0.0	0.0	7.2
31	17.4	28.8	23.4	54.3	0.0	0.0	0.0	6.3
TOTAL PROMEDIO	16.2	27.7	21.6	77.8	19.4	52.7	72.1	140.0

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.2	30.2	22.1	69.7	0.0	0.0	0.0	5.5
2	16.2	27.6	21.9	75.3	0.0	0.0	0.0	3.0
3	16.0	29.5	23.7	63.7	0.0	0.0	0.0	5.7
4	15.4	29.6	22.7	69.0	0.0	0.0	0.0	4.9
5	15.0	29.7	22.5	67.0	0.0	0.0	0.0	6.7
6	14.0	30.6	22.8	69.0	0.0	0.0	0.0	6.7
7	16.0	30.4	22.5	75.3	0.0	0.0	0.0	6.0
8	17.0	29.6	23.1	73.7	0.0	0.0	0.0	5.2
9	16.9	30.6	23.7	70.3	0.0	0.0	0.0	5.8
10	17.0	28.8	24.4	60.7	0.0	0.0	0.0	1.8
11	16.0	31.4	23.5	60.3	0.0	0.0	0.0	6.8
12	15.8	31.2	22.7	68.3	0.0	0.0	0.0	6.6
13	18.0	28.6	22.5	73.0	0.0	0.0	0.0	4.9
14	17.8	26.8	18.7	91.3	19.7	0.0	19.7	1.4
15	15.5	27.6	21.6	75.7	0.0	0.0	0.0	4.6
16	17.4	29.2	23.1	73.0	0.0	0.0	0.0	4.9
17	16.3	30.8	23.7	70.7	0.0	0.0	0.0	6.3
18	17.0	28.2	22.7	77.3	0.0	0.0	0.0	1.0
19	16.2	30.5	23.9	67.3	0.0	0.0	0.0	6.0
20	16.5	29.0	22.8	66.3	0.0	0.0	0.0	5.0
21	16.7	30.5	24.9	52.0	0.0	0.0	0.0	4.5
22	15.0	30.6	24.2	53.3	0.0	0.0	0.0	5.0
23	16.4	30.5	24.0	57.7	0.0	0.0	0.0	5.6
24	15.2	31.6	23.4	65.3	0.0	0.0	0.0	7.3
25	15.6	31.5	22.1	75.7	7.5	.5	8.0	6.8
26	17.0	28.0	20.2	77.0	.6	0.0	.6	3.3
27	15.5	29.4	21.7	76.7	.4	.7	1.1	6.0
28	16.5	26.0	20.5	83.3	.7	0.0	.7	1.7
29	15.0	27.4	20.8	86.7	.7	0.0	.7	2.5
30	17.2	27.5	21.1	84.0	0.0	2.6	2.6	2.4
31	16.0	29.4	22.3	69.7	0.0	0.0	0.0	5.0
TOTAL PROMEDIO	16.1	29.4	22.6	70.9	29.6	3.8	33.4	148.9

ESTACION: ARTURO GOMEZ

DPTO: VALLE

LATITUD : 04° 40'N

AÑO : 1990

MPIO: ALCALA

LONGITUD: 75° 47'W

ALTITUD : 1320 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	28.7	22.6	67.7	0.0	19.6	19.6	4.2
2	16.8	28.6	21.5	77.3	2.0	.1	2.1	4.6
3	16.6	27.8	22.5	77.3	0.0	0.0	0.0	2.6
4	15.7	29.4	21.5	78.0	1.6	0.0	1.6	4.4
5	15.0	29.8	23.4	69.0	0.0	0.0	0.0	5.0
6	17.0	26.5	22.1	78.0	0.0	0.0	0.0	1.7
7	17.2	30.0	22.9	71.3	0.0	0.0	0.0	5.7
8	16.8	28.0	21.8	74.0	0.0	0.0	0.0	3.0
9	16.5	28.5	22.9	69.7	0.0	0.0	0.0	4.0
10	16.0	28.4	22.3	75.3	0.0	.8	.8	3.7
11	17.2	27.0	21.6	79.7	0.0	0.0	0.0	1.2
12	17.5	29.0	21.8	73.7	1.7	0.0	1.7	6.0
13	16.5	30.8	20.9	76.7	14.6	5.0	19.6	6.1
14	17.2	27.0	21.2	80.7	0.0	0.0	0.0	2.0
15	15.0	28.0	21.5	75.0	0.0	0.0	0.0	2.8
16	16.0	28.3	21.6	72.3	0.0	0.0	0.0	4.4
17	14.5	31.6	22.5	72.0	1.8	0.0	1.8	7.0
18	16.0	30.8	23.4	72.0	0.0	0.0	0.0	6.4
19	16.6	30.4	20.9	77.3	6.0	13.8	19.8	5.0
20	17.0	28.8	22.4	75.0	0.0	.1	.1	5.8
21	16.6	29.4	21.2	79.0	4.1	15.5	19.6	6.5
22	17.0	25.5	20.9	79.3	0.0	0.0	0.0	1.2
23	17.2	26.7	19.9	83.3	3.6	0.0	3.6	2.5
24	14.5	28.2	21.4	76.7	0.0	0.0	0.0	6.0
25	16.5	28.5	21.4	76.0	1.3	0.0	1.3	3.8
26	15.4	29.8	21.3	75.0	6.0	13.9	19.9	6.2
27	16.2	26.8	21.7	81.0	.7	0.0	.7	1.1
28	18.0	29.0	23.2	77.0	0.0	0.0	0.0	5.2
29	17.2	28.8	22.5	74.3	2.2	7.7	9.9	5.7
30	15.5	27.2	22.2	77.3	0.0	12.1	12.1	3.1
31								
TOTAL PROMEDIO	16.4	28.6	21.9	75.7	45.6	88.6	134.2	126.9

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.6	25.2	20.7	86.7	0.0	27.5	27.5	2.5
2	17.0	24.0	19.4	93.0	18.0	0.0	18.0	1.2
3	17.5	26.6	22.3	74.0	0.0	0.0	0.0	4.4
4	16.7	28.9	21.9	78.0	0.0	33.2	33.2	4.2
5	16.8	23.6	19.4	85.3	2.8	0.0	2.8	.8
6	17.0	27.6	21.1	80.0	1.7	.1	1.8	5.1
7	17.5	26.6	20.0	83.0	7.4	12.1	19.5	.5
8	16.5	26.5	21.3	79.3	0.0	0.0	0.0	3.5
9	17.0	26.8	20.6	80.0	11.7	2.2	13.9	2.6
10	17.2	25.0	20.5	83.7	0.0	0.0	0.0	2.7
11	17.4	27.5	21.1	79.0	0.0	45.0	45.0	2.5
12	16.5	26.4	21.1	84.3	.1	2.0	2.1	4.2
13	16.4	26.6	20.6	87.7	1.0	1.6	2.6	5.1
14	17.9	27.4	20.4	90.7	6.6	6.1	12.7	3.6
15	18.0	26.0	19.7	91.3	32.3	0.0	32.3	2.2
16	17.3	28.0	21.9	75.3	0.0	4.7	4.7	6.3
17	16.6	27.9	20.2	79.0	9.7	1.5	11.2	5.8
18	16.0	28.2	21.8	77.7	0.0	28.5	28.5	6.3
19	17.5	26.5	21.3	78.3	.3	15.8	16.1	3.4
20	16.4	23.3	19.6	85.7	0.0	1.3	1.3	1.1
21	17.2	27.5	20.9	80.7	0.0	.3	.3	4.1
22	17.0	22.0	18.6	90.7	23.8	0.0	23.8	0.0
23	16.0	26.5	20.5	81.3	.4	0.0	.4	3.7
24	16.2	25.5	20.8	80.3	.7	0.0	.7	2.1
25	17.4	28.6	22.6	70.0	0.0	25.6	25.6	5.6
26	16.0	27.5	20.8	75.0	0.0	0.0	0.0	7.7
27	15.5	28.0	21.5	78.7	0.0	24.9	24.9	6.0
28	17.5	27.9	21.1	81.0	22.0	0.0	22.0	5.3
29	17.0	25.2	21.1	81.0	0.0	0.0	0.0	1.7
30	16.2	28.4	22.2	77.3	0.0	1.0	1.0	7.3
31	18.0	28.6	21.7	78.7	0.0	9.4	9.4	7.0
TOTAL PROMEDIO	16.9	26.6	20.8	81.5	138.5	242.8	381.3	118.5

ESTACION: ARTURO GOMEZ

DPTO: VALLE

LATITUD : 04° 40'N

ANO : 1990

MPIO: ALCALA

LONGITUD: 75° 47'W

ALTITUD : 1320 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.4	26.2	21.2	81.3	0.0	.3	.3	3.3
2	18.0	25.8	20.7	85.3	0.0	.6	.6	1.5
3	18.1	26.6	20.7	82.0	.5	16.4	16.9	2.0
4	16.8	23.4	20.1	86.3	8.6	0.0	8.6	.2
5	17.0	27.0	20.3	82.7	3.3	0.0	3.3	2.5
6	15.7	28.4	22.1	80.3	0.0	27.0	27.0	6.9
7	16.8	30.3	23.2	77.0	0.0	0.0	0.0	7.4
8	16.9	29.4	22.1	78.7	11.2	0.0	11.2	7.8
9	18.0	27.2	21.6	81.0	0.0	.1	.1	3.1
10	19.0	27.8	21.1	78.7	.7	0.0	.7	2.6
11	14.8	29.2	21.6	76.7	0.0	0.0	0.0	8.1
12	17.0	29.1	22.5	78.7	0.0	0.0	0.0	6.5
13	18.0	29.0	23.1	77.3	0.0	0.0	0.0	7.1
14	17.0	30.1	23.0	78.0	.4	0.0	.4	5.6
15	17.2	29.2	22.6	80.0	0.0	0.0	0.0	6.6
16	17.0	29.5	23.2	74.3	0.0	29.5	29.5	5.7
17	17.2	27.8	21.5	80.7	.4	0.0	.4	4.4
18	17.6	26.7	21.0	82.3	0.0	0.0	0.0	1.6
19	16.0	27.5	21.5	77.7	0.0	0.0	0.0	6.5
20	18.8	29.2	22.8	78.3	0.0	.1	.1	2.9
21	17.5	23.0	17.9	92.0	3.3	0.0	3.3	.1
22	14.2	24.4	19.3	85.3	0.0	0.0	0.0	2.0
23	16.0	27.8	21.6	78.7	0.0	1.5	1.5	5.4
24	16.5	26.0	20.5	81.3	0.0	0.0	0.0	4.7
25	16.0	28.8	22.1	74.0	0.0	0.0	0.0	8.4
26	16.5	29.0	21.3	78.0	0.0	0.0	0.0	6.8
27	16.0	28.2	21.7	79.0	0.0	0.0	0.0	3.0
28	18.0	27.4	21.5	81.7	0.0	0.0	0.0	2.2
29	17.2	28.6	20.6	79.7	42.2	14.2	56.4	7.3
30	17.5	28.0	21.7	82.7	0.0	0.0	0.0	3.7
31								
TOTAL PROMEDIO	17.0	27.7	21.4	80.3	70.6	89.7	160.3	135.9

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.4	27.6	21.7	80.3	0.0	.7	.7	2.5
2	18.4	27.5	20.5	83.3	29.0	.4	29.4	2.3
3	17.0	26.4	20.9	82.0	0.0	5.5	5.5	2.4
4	17.2	26.6	21.2	84.3	0.0	64.2	64.2	1.7
5	16.8	22.6	19.1	88.7	.4	12.1	12.5	.1
6	16.5	26.8	21.0	80.7	0.0	0.0	0.0	5.6
7	16.8	27.6	20.8	79.7	.2	0.0	.2	3.2
8	17.0	24.6	19.2	84.7	21.6	.5	22.1	2.1
9	13.4	28.0	21.1	79.0	0.0	0.0	0.0	9.8
10	16.0	28.4	21.2	74.7	0.0	0.0	0.0	9.5
11	16.2	28.8	21.5	74.7	.8	0.0	.8	6.4
12	16.3	27.2	21.8	79.3	0.0	0.0	0.0	5.8
13	16.0	28.4	22.0	75.7	0.0	0.0	0.0	7.7
14	16.7	28.2	22.3	79.7	0.0	0.0	0.0	5.2
15	16.0	30.4	23.1	73.7	0.0	0.0	0.0	7.1
16	15.8	28.8	22.1	75.3	0.0	0.0	0.0	5.9
17	16.2	30.0	21.1	80.0	2.0	0.0	2.0	6.3
18	16.3	29.9	21.1	80.0	0.0	0.0	0.0	6.9
19	16.2	27.1	21.4	83.3	0.0	0.0	0.0	.6
20	17.4	30.0	21.9	77.0	3.5	0.0	3.5	6.7
21	16.2	28.8	22.1	77.7	0.0	0.0	0.0	3.9
22	17.0	26.4	21.0	84.0	0.0	0.0	0.0	.1
23	17.2	28.2	22.0	78.0	.5	7.1	7.6	3.2
24	18.4	25.2	21.5	84.0	.1	16.5	16.6	.4
25	18.0	28.0	21.8	78.7	0.0	0.0	0.0	4.9
26	17.5	28.4	21.4	80.3	1.5	1.6	3.1	4.8
27	17.0	24.0	20.4	87.3	0.0	0.0	0.0	0.0
28	18.0	25.5	20.2	83.7	17.0	0.0	17.0	.8
29	16.8	28.2	19.9	81.0	21.1	0.0	21.1	4.0
30	16.0	28.3	21.1	78.3	0.0	22.7	22.7	5.1
31	15.8	27.2	20.9	75.3	0.0	0.0	0.0	4.5
TOTAL PROMEDIO	16.7	27.5	21.2	80.1	97.7	131.3	229.0	129.5

ESTACION: ARTURO GOMEZ  
 AÑO : 1990

DPTO: VALLE  
 MPIO: ALCALA

LATITUD : 04° 40'N  
 LONGITUD: 75° 47'W  
 ALTITUD : 1320 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	BRILLO SOL(h)
ENERO	16.8	27.8	21.8	15.2	31.2	81.4	82.1	12	142.8
FEBRERO	17.4	27.3	21.7	15.8	30.2	82.3	71.4	15	93.8
MARZO	17.2	27.7	22.0	13.6	31.4	81.6	170.6	17	120.5
ABRIL	17.5	27.2	21.7	15.4	30.4	83.9	280.4	19	95.7
MAYO	17.7	27.0	21.8	16.5	29.0	84.4	125.2	20	80.1
JUNIO	16.6	27.7	21.9	14.8	30.4	82.4	78.6	13	129.4
JULIO	16.2	27.7	21.6	14.0	30.5	77.8	72.1	18	140.0
AGOSTO	16.1	29.4	22.6	14.0	31.6	70.9	33.4	7	148.9
SEPTIEMBRE	16.4	28.6	21.9	14.5	31.6	75.7	134.2	16	126.9
OCTUBRE	16.9	26.6	20.8	15.5	28.9	81.5	381.3	26	118.5
NOVIEMBRE	17.0	27.7	21.4	14.2	30.3	80.3	160.3	16	135.9
DICIEMBRE	16.7	27.5	21.2	13.4	30.4	80.1	229.0	16	129.5
PROMEDIO	16.9	27.7	21.7			80.2			
ABSOLUTA				13.4	31.6				
TOTAL							1818.6	195	1462.0

ESTACION: VENECIA

DPTO: VALLE

LATITUD : 04° 20'N

AÑO : 1990

MPIO: CAICEDONIA

LONGITUD : 75° 50'W

ALTITUD : 1170 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.4	28.4	21.7	72.3	0.0	1.8	1.8	4.1
2	18.5	27.8	21.3	76.0	0.0	0.0	0.0	3.5
3	18.0	27.5	22.2	74.0	0.0	0.0	0.0	3.7
4	18.2	28.2	22.1	76.3	0.0	13.4	13.4	5.4
5	18.5	24.2	20.7	84.0	0.0	0.0	0.0	1.7
6	18.0	26.2	20.8	80.0	8.7	15.1	23.8	5.5
7	17.8	26.5	20.9	81.0	.7	3.1	3.8	2.9
8	18.0	23.8	19.6	95.0	8.7	0.0	8.7	1.5
9	17.4	28.0	21.4	77.3	0.0	26.9	26.9	.1
10	18.0	25.8	21.0	81.7	.3	0.0	.3	5.3
11	18.4	27.8	22.8	73.0	0.0	1.6	1.6	.6
12	18.5	24.5	20.0	81.3	3.6	0.0	3.6	0.0
13	16.5	26.8	20.7	79.0	.1	0.0	.1	4.7
14	17.4	27.8	21.9	77.0	0.0	0.0	0.0	4.9
15	18.4	28.0	21.9	77.3	0.0	0.0	0.0	5.2
16	16.8	28.4	22.5	74.3	0.0	0.0	0.0	0.0
17	17.0	29.5	22.5	78.7	0.0	0.0	0.0	5.9
18	16.8	29.6	23.0	72.7	0.0	0.0	0.0	5.7
19	19.0	28.4	21.6	81.7	13.2	.4	13.6	6.4
20	17.8	29.2	22.6	75.7	0.0	0.0	0.0	5.7
21	16.2	29.1	22.8	75.0	0.0	.9	.9	7.5
22	19.0	27.2	21.8	80.7	.2	0.0	.2	7.7
23	16.4	30.2	22.9	73.0	0.0	0.0	0.0	2.4
24	17.0	30.7	23.2	72.0	0.0	0.0	0.0	9.0
25	16.5	31.6	23.6	74.0	0.0	0.0	0.0	7.8
26	19.0	22.8	20.7	92.0	3.0	.9	3.9	9.3
27	17.2	31.0	23.0	75.0	0.0	0.0	0.0	8.5
28	16.8	30.0	22.9	75.0	0.0	0.0	0.0	7.1
29	17.2	31.5	24.3	66.7	0.0	0.0	0.0	7.7
30	17.0	29.9	23.9	70.0	0.0	0.0	0.0	6.3
31	19.0	30.0	23.7	79.3	0.0	0.0	0.0	5.6
TOTAL PROMEDIO	17.7	28.1	22.0	77.1	38.5	64.1	102.6	151.7

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.8	29.2	23.3	74.7	0.0	0.0	0.0	3.0
2	17.7	29.0	22.1	81.3	1.3	0.0	1.3	2.4
3	18.0	26.8	22.7	78.7	0.0	0.0	0.0	.7
4	18.8	29.0	23.4	73.3	0.0	.7	.7	2.2
5	19.0	23.6	20.3	86.0	14.3	2.5	16.8	.1
6	17.6	24.0	20.8	81.3	0.0	0.0	0.0	3.0
7	16.5	28.2	22.3	74.7	0.0	0.0	0.0	4.9
8	18.0	29.8	24.1	71.0	0.0	2.7	2.7	4.8
9	18.6	27.4	21.8	77.3	0.0	0.0	0.0	3.6
10	19.0	28.8	23.5	75.0	0.0	0.0	0.0	5.0
11	19.8	28.0	22.8	76.7	.2	0.0	.2	2.7
12	19.6	25.6	21.4	83.3	0.0	0.0	0.0	.1
13	18.0	25.9	22.2	81.7	0.0	0.0	0.0	.2
14	15.6	29.2	22.7	71.7	0.0	0.0	0.0	4.9
15	19.0	30.5	23.9	70.0	0.0	0.0	0.0	5.6
16	19.2	30.8	23.9	69.3	0.0	0.0	0.0	6.3
17	17.8	30.1	23.2	67.7	0.0	2.3	2.3	6.2
18	17.4	25.0	20.7	81.7	.9	14.0	14.9	1.3
19	17.6	26.0	20.9	74.0	0.0	.4	.4	1.2
20	17.0	28.2	21.8	73.7	0.0	.1	.1	6.5
21	17.8	29.2	23.5	72.3	0.0	12.1	12.1	5.5
22	17.0	28.2	23.1	70.3	1.9	5.5	7.4	3.8
23	17.2	28.4	22.4	74.3	0.0	0.0	0.0	3.5
24	18.0	22.6	19.9	88.0	2.6	9.8	12.4	0.0
25	17.0	28.1	21.6	74.0	0.0	9.0	9.0	4.8
26	18.4	24.9	21.1	79.7	0.0	5.5	5.5	.4
27	17.8	27.1	21.0	77.7	0.0	0.0	0.0	5.2
28	17.6	28.3	22.8	72.0	0.0	0.0	0.0	3.4
29								
30								
31								
TOTAL PROMEDIO	18.0	27.6	22.2	76.1	21.2	64.6	85.8	91.3

ESTACION: VENECIA

DPTO: VALLE

LATITUD : 04° 20'N

AÑO : 1990

MPIO: CAICEDONIA

LONGITUD: 75° 50'W

ALTITUD : 1170 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.4	28.0	22.7	71.3	0.0	17.9	17.9	4.0
2	16.8	29.0	22.3	73.0	0.0	.1	.1	6.0
3	18.0	23.8	19.2	88.7	29.0	0.0	29.0	.3
4	14.2	25.0	19.5	84.7	0.0	.1	.1	.3
5	17.0	26.3	21.7	79.7	0.0	0.0	0.0	1.3
6	16.8	30.4	21.7	78.7	3.6	6.7	10.3	6.0
7	18.6	29.8	23.7	72.3	0.0	6.8	6.8	3.2
8	18.0	31.7	23.5	75.0	0.0	0.0	0.0	8.8
9	19.0	31.9	24.9	70.0	0.0	0.0	0.0	7.3
10	18.0	32.8	24.4	68.3	0.0	0.0	0.0	7.1
11	19.0	28.4	23.2	78.0	0.0	0.0	0.0	.7
12	18.0	32.2	25.0	68.7	0.0	0.0	0.0	8.9
13	19.5	33.1	25.0	71.3	0.0	0.0	0.0	6.5
14	18.5	26.2	22.7	78.0	0.0	0.0	0.0	0.0
15	18.4	26.6	22.3	80.3	0.0	1.7	1.7	0.0
16	18.9	28.5	23.6	77.0	1.4	0.0	1.4	2.6
17	18.5	30.0	24.1	70.7	0.0	19.4	19.4	4.9
18	18.4	26.2	21.2	86.3	0.0	1.2	1.2	.6
19	17.2	29.2	23.5	74.0	0.0	.4	.4	6.2
20	19.8	28.8	22.7	81.3	20.1	0.0	20.1	3.2
21	19.7	23.8	20.2	92.7	5.7	0.0	5.7	0.0
22	14.8	30.0	23.2	72.7	0.0	0.0	0.0	9.1
23	18.6	26.0	22.4	82.3	.2	29.0	29.2	.4
24	18.0	25.2	21.2	83.7	.6	.2	.8	1.1
25	17.9	25.4	20.3	92.0	1.9	1.8	3.7	.6
26	18.0	24.8	19.9	84.7	8.0	1.6	9.6	.4
27	15.8	28.0	20.7	77.0	0.0	0.0	0.0	6.2
28	17.0	29.4	23.3	69.3	0.0	0.0	0.0	7.0
29	16.8	31.0	23.3	72.0	0.0	.1	.1	9.2
30	18.8	31.2	24.5	65.3	0.0	0.0	0.0	7.3
31	17.2	28.5	22.3	79.3	.4	12.2	12.6	5.2
TOTAL PROMEDIO	17.9	28.4	22.5	77.4	70.9	99.2	170.1	124.4

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.8	20.8	19.2	93.7	4.2	0.0	4.2	0.0
2	15.0	29.2	22.2	72.3	0.0	0.0	0.0	7.9
3	17.8	28.4	21.7	79.3	.8	0.0	.8	5.4
4	18.0	29.2	21.2	78.3	26.6	1.3	27.9	4.2
5	18.5	27.2	22.4	82.0	0.0	1.2	1.2	4.2
6	19.5	27.9	22.4	80.3	0.0	0.0	0.0	2.7
7	17.8	28.5	22.8	75.3	0.0	0.0	0.0	5.8
8	17.7	28.8	24.1	74.7	0.0	0.0	0.0	4.9
9	17.8	30.2	24.1	70.7	0.0	0.0	0.0	9.2
10	18.0	30.4	24.7	71.3	0.0	0.0	0.0	8.0
11	19.2	31.7	25.2	70.0	0.0	0.0	0.0	6.5
12	19.8	31.0	24.3	74.7	1.4	0.0	1.4	7.6
13	19.0	30.2	24.7	75.3	0.0	1.0	1.0	5.2
14	19.5	28.0	23.1	74.0	0.0	2.1	2.1	1.8
15	18.8	28.2	22.9	77.7	0.0	19.6	19.6	4.0
16	18.0	24.0	20.7	88.3	.6	0.0	.6	.4
17	16.0	30.1	21.6	79.7	1.0	.9	1.9	7.1
18	18.2	29.0	22.6	77.3	0.0	0.0	0.0	6.3
19	18.0	27.1	22.8	80.3	0.0	0.0	0.0	
20	18.9	28.9	22.1	82.0	24.9	17.5	42.4	3.9
21	18.4	25.2	21.0	83.7	.7	0.0	.7	.5
22	17.2	29.6	22.3	78.0	.2	4.6	4.8	6.3
23	18.4	26.0	21.2	82.3	.1	0.0	.1	.4
24	18.5	26.2	21.4	82.3	.4	0.0	.4	.1
25	18.2	25.4	20.4	86.3	17.8	20.6	38.4	.2
26	17.8	28.9	23.2	79.3	0.0	31.6	31.6	5.7
27	17.8	27.2	21.2	80.7	0.0	27.5	27.5	3.3
28	17.9	26.4	20.2	81.0	9.6	1.8	11.4	1.6
29	17.3	25.3	20.1	85.3	.5	0.0	.5	1.6
30	17.8	25.1	21.0	83.7	0.0	6.0	6.0	0.0
31								
TOTAL PROMEDIO	18.1	27.8	22.2	79.3	88.8	135.7	224.5	

ESTACION: VENECIA

DPTO: VALLE

LATITUD : 04° 20'N

AÑO : 1990

MPIO: CAICEDONIA

LONGITUD: 75° 50'W

ALTITUD : 1170 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	28.9	21.1	81.0	4.1	.1	4.2	4.1
2	15.8	28.7	22.4	77.0	0.0	0.0	0.0	6.5
3	18.0	27.0	21.5	78.7	.7	0.0	.7	1.4
4	16.8	27.0	21.6	78.7	0.0	26.0	26.0	2.2
5	17.4	28.6	21.6	79.7	.2	0.0	.2	4.3
6	18.2	27.0	21.5	80.0	.5	0.0	.5	2.0
7	18.0	29.2	22.6	78.0	.1	0.0	.1	4.5
8	19.5	27.4	23.2	80.3	0.0	0.0	0.0	2.0
9	18.0	31.4	22.4	78.0	2.1	0.0	2.1	5.8
10	17.9	30.5	23.1	76.3	0.0	.9	.9	5.6
11	19.2	29.2	23.0	74.0	0.0	0.0	0.0	3.9
12	16.8	28.0	23.1	79.0	0.0	.1	.1	3.1
13	19.2	27.8	21.1	83.3	7.7	.3	8.0	1.8
14	18.5	27.9	22.0	81.7	.3	.1	.4	4.7
15	18.6	29.2	22.1	76.3	0.0	0.0	0.0	6.6
16	18.7	31.5	23.9	74.3	0.0	0.0	0.0	7.3
17	19.0	29.0	22.9	81.0	0.0	0.0	0.0	1.5
18	17.8	30.2	24.4	69.0	0.0	0.0	0.0	7.7
19	18.7	29.8	24.8	70.7	0.0	0.0	0.0	6.8
20	18.9	28.7	23.3	79.3	0.0	0.0	0.0	1.7
21	19.0	28.2	23.0	76.0	0.0	0.0	0.0	.5
22	19.1	29.4	24.0	73.7	0.0	0.0	0.0	3.9
23	18.9	30.4	23.5	73.7	.6	0.0	.6	5.8
24	18.5	27.8	21.6	83.3	19.3	0.0	19.3	3.7
25	18.0	26.2	22.0	80.3	0.0	0.0	0.0	1.2
26	18.4	29.8	22.5	76.7	0.0	0.0	0.0	6.0
27	17.0	28.0	21.3	81.7	2.1	0.0	2.1	4.4
28	16.8	27.8	22.4	77.0	0.0	0.0	0.0	3.5
29	18.6	25.0	21.0	82.7	3.6	0.0	3.6	
30	16.5	28.7	21.9	78.0	0.0	0.0	0.0	5.1
31	18.0	27.8	22.5	79.3	0.0	0.0	0.0	3.7
TOTAL PROMEDIO	18.1	28.6	22.5	78.0	41.3	27.5	68.8	

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.8	28.0	21.3	78.7	0.0	0.0	0.0	2.3
2	15.4	29.0	22.4	73.0	0.0	0.0	0.0	9.2
3	16.8	28.8	22.4	76.7	0.0	0.0	0.0	5.1
4	18.4	27.6	22.1	75.7	.4	0.0	.4	3.3
5	18.5	29.0	23.0	76.0	0.0	0.0	0.0	6.0
6	18.6	30.0	23.7	74.3	0.0	0.0	0.0	8.2
7	16.0	29.0	23.1	73.0	0.0	0.0	0.0	7.1
8	15.4	27.2	22.4	79.0	0.0	0.0	0.0	1.9
9	17.1	26.0	21.4	85.3	.1	3.5	3.6	0.0
10	18.9	25.2	20.9	85.3	3.4	3.0	6.4	.8
11	18.2	25.8	21.6	81.3	0.0	0.0	0.0	.6
12	18.0	29.8	21.5	80.7	12.2	0.0	12.2	4.4
13	15.8	28.2	22.1	82.3	.1	.3	.4	4.4
14	17.4	29.2	22.0	84.0	.2	0.0	.2	4.7
15	17.0	28.8	22.0	80.7	2.2	17.3	19.5	4.1
16	18.8	28.1	22.8	76.0	1.9	0.0	1.9	5.4
17	17.9	30.4	22.8	75.0	0.0	0.0	0.0	8.7
18	17.0	30.6	22.8	75.0	0.0	0.0	0.0	9.5
19	16.8	31.0	23.5	76.3	0.0	0.0	0.0	8.9
20	17.8	28.8	22.8	73.0	0.0	0.0	0.0	8.3
21	16.9	28.0	22.8	67.0	0.0	0.0	0.0	6.2
22	17.0	28.8	23.1	65.7	0.0	0.0	0.0	5.6
23	16.9	27.0	22.0	70.7	0.0	0.0	0.0	4.5
24	18.0	26.2	21.1	82.7	3.1	0.0	3.1	4.4
25	17.2	28.0	21.8	79.0	0.0	0.0	0.0	5.3
26	17.0	30.4	22.9	74.7	0.0	0.0	0.0	6.7
27	19.0	27.2	22.5	79.7	0.0	0.0	0.0	.2
28	17.8	31.2	23.6	70.7	0.0	0.0	0.0	8.1
29	16.2	32.0	23.9	68.0	0.0	0.0	0.0	10.4
30	17.0	30.0	23.8	68.7	0.0	0.0	0.0	7.9
31								
TOTAL PROMEDIO	17.4	28.6	22.5	76.3	23.6	24.1	47.7	162.2

ESTACION: VENECIA

DPTO: VALLE

LATITUD : 04° 20'N

AÑO : 1990

MPIO: CAICEDONIA

LONGITUD: 75° 50'W

ALTITUD : 1170 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.4	28.6	22.5	75.0	0.0	0.0	0.0	5.2
2	17.6	28.4	23.4	73.3	0.0	0.0	0.0	5.5
3	17.8	28.2	23.6	72.7	0.0	0.0	0.0	4.9
4	18.2	29.7	22.6	73.3	0.0	.2	.2	5.1
5	18.0	28.4	22.3	77.0	0.0	0.0	0.0	2.7
6	15.2	29.5	22.3	73.0	0.0	0.0	0.0	6.7
7	16.7	30.5	23.0	70.0	0.0	28.7	28.7	6.5
8	17.8	29.3	22.9	67.3	0.0	2.6	2.6	8.0
9	17.5	28.0	23.0	71.7	0.0	18.0	18.0	3.9
10	17.0	27.2	20.5	80.3	3.0	0.0	3.0	4.6
11	17.1	28.1	22.3	76.3	0.0	.4	.4	5.4
12	18.2	28.4	22.6	80.7	0.0	0.0	0.0	2.7
13	17.8	28.6	22.6	74.0	0.0	0.0	0.0	4.6
14	18.0	28.8	22.2	78.7	1.0	0.0	1.0	4.8
15	17.6	28.6	22.6	76.3	0.0	0.0	0.0	4.4
16	17.8	27.8	20.6	84.0	0.0	0.0	0.0	3.6
17	18.0	28.2	21.5	79.3	.4	.4	.8	4.4
18	18.2	28.0	21.7	76.7	.2	7.4	7.6	5.1
19	16.8	28.4	21.6	76.3	1.6	0.0	1.6	7.6
20	15.0	29.4	22.4	71.7	0.0	1.3	1.3	8.4
21	17.2	29.8	20.6	80.0	4.6	0.0	4.6	6.9
22	14.8	27.2	21.2	78.0	0.0	0.0	0.0	5.2
23	17.8	29.6	22.7	78.7	.7	0.0	.7	5.6
24	18.0	31.0	22.8	73.0	0.0	0.0	0.0	7.6
25	15.6	30.9	23.5	68.7	0.0	0.0	0.0	10.9
26	15.8	29.1	22.5	69.7	0.0	0.0	0.0	7.4
27	17.0	31.0	23.4	67.7	0.0	0.0	0.0	5.9
28	16.0	30.4	23.1	66.7	0.0	0.0	0.0	8.5
29	16.1	30.8	23.3	67.3	0.0	0.0	0.0	8.0
30	18.0	29.8	23.3	67.0	0.0	0.0	0.0	9.3
31	15.0	30.8	22.4	65.7	0.0	0.0	0.0	8.8
TOTAL PROMEDIO	17.1	29.1	22.4	73.9	11.5	59.0	70.5	188.2

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	13.6	28.4	22.3	67.7	0.0	0.0	0.0	8.0
2	16.4	30.0	23.8	64.7	0.0	0.0	0.0	6.9
3	17.0	30.2	23.6	67.7	0.0	0.0	0.0	7.8
4	17.2	28.6	23.9	64.3	0.0	0.0	0.0	
5	16.0	30.4	22.8	68.3	0.0	0.0	0.0	
6	15.0	33.0	23.9	65.0	0.0	0.0	0.0	9.8
7	16.8	29.0	23.2	68.0	0.0	0.0	0.0	7.0
8	17.0	31.4	24.4	66.7	0.0	0.0	0.0	6.9
9	18.0	31.0	25.2	63.0	0.0	0.0	0.0	8.4
10	16.8	25.2	21.7	67.7	0.0	0.0	0.0	2.9
11	15.2	30.4	22.9	60.0	0.0	0.0	0.0	9.3
12	15.0	31.4	23.4	58.0	0.0	0.0	0.0	
13	18.0	31.0	24.0	66.7	0.0	.1	.1	5.7
14	17.9	26.2	21.5	80.7	.6	0.0	.6	1.0
15	16.0	28.8	22.8	69.0	.1	0.0	.1	5.6
16	18.0	32.0	24.0	67.0	0.0	0.0	0.0	7.2
17	17.2	32.2	23.3	74.3	1.0	0.0	1.0	7.9
18	16.8	30.0	23.1	76.3	0.0	0.0	0.0	2.4
19	16.4	32.8	24.5	67.3	0.0	0.0	0.0	8.3
20	16.0	32.4	23.3	68.0	0.0	0.0	0.0	7.9
21	18.2	32.1	24.7	50.0	0.0	0.0	0.0	8.8
22	16.6	32.8	24.8	58.0	0.0	0.0	0.0	8.1
23	16.2	33.1	24.4	55.7	0.0	0.0	0.0	7.8
24	16.4	32.1	24.5	61.3	0.0	0.0	0.0	5.7
25	15.0	32.8	24.5	62.7	0.0	0.0	0.0	8.2
26	17.3	28.8	20.5	79.0	10.7	0.0	10.7	
27	15.6	30.1	21.5	76.3	.1	2.7	2.8	6.9
28	18.0	25.5	20.0	81.3	1.0	0.0	1.0	.8
29	15.8	26.5	20.4	83.3	2.4	0.0	2.4	3.2
30	17.0	29.0	21.7	78.7	5.1	.1	5.2	5.8
31	17.2	29.3	22.5	72.3	.4	0.0	.4	6.5
TOTAL PROMEDIO	16.6	30.2	23.1	68.0	21.4	2.9	24.3	



ESTACION: VENECIA

DPTO: VALLE

LATITUD : 04° 20'N

ANO : 1990

MPIO: CAICEDONIA

LONGITUD: 75° 50'W  
ALTITUD : 1170 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.6	29.0	23.6	69.0	0.0	1.3	1.3	5.1
2	18.4	29.2	23.3	68.7	0.0	0.0	0.0	4.7
3	18.0	29.0	22.3	74.0	0.0	0.0	0.0	5.2
4	16.0	31.0	24.5	65.0	0.0	0.0	0.0	5.4
5	16.1	30.8	24.5	67.0	0.0	0.0	0.0	10.0
6	17.0	29.7	22.5	74.0	0.0	0.0	0.0	5.0
7	17.1	30.8	23.8	65.7	0.0	0.0	0.0	5.9
8	17.8	30.0	24.1	68.7	0.0	0.0	0.0	4.0
9	17.2	32.4	23.3	70.3	.1	0.0	.1	5.7
10	16.8	29.6	22.5	70.7	0.0	4.5	4.5	5.1
11	18.0	29.1	23.0	70.7	1.0	0.0	1.0	4.4
12	17.8	30.0	21.2	80.3	14.6	0.0	14.6	5.9
13	16.9	30.2	23.2	74.0	0.0	0.0	0.0	7.9
14	18.0	27.4	21.6	76.0	0.0	0.0	0.0	3.7
15	16.0	30.0	22.6	69.0	0.0	0.0	0.0	3.5
16	16.6	31.4	22.9	71.0	0.0	0.0	0.0	7.4
17	15.0	32.1	23.8	64.7	0.0	0.0	0.0	8.8
18	16.0	32.5	24.2	65.0	0.0	0.0	0.0	6.9
19	18.0	32.2	22.2	75.0	.2	1.5	2.7	7.0
20	17.8	30.2	23.5	65.7	0.0	0.0	0.0	6.1
21	16.0	30.0	24.3	61.7	0.0	23.0	23.0	8.1
22	17.2	26.0	21.3	75.3	1.2	0.0	1.2	1.9
23	16.1	27.6	21.7	78.0	1.5	.1	1.6	3.3
24	15.8	30.2	22.6	75.7	0.0	0.0	0.0	6.2
25	17.2	29.8	22.4	76.0	0.0	0.0	0.0	5.8
26	16.8	30.5	22.3	74.3	.8	.7	1.5	6.0
27	17.0	28.6	22.4	74.0	0.0	0.0	0.0	3.5
28	18.4	29.2	23.3	70.0	0.0	0.0	0.0	3.8
29	18.0	29.8	24.2	70.3	0.0	0.0	0.0	3.5
30	16.8	30.0	23.1	78.3	3.0	16.6	19.6	6.0
31								
TOTAL PROMEDIO	17.0	29.9	23.0	71.3	22.4	48.7	71.1	165.8

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.8	27.0	20.7	82.0	1.1	27.9	29.0	3.7
2	17.6	25.0	21.0	84.0	.5	.2	.7	.2
3	17.4	27.1	21.9	71.3	0.0	0.0	0.0	3.0
4	18.0	28.8	22.5	76.3	0.0	6.1	6.1	6.1
5	18.2	22.5	19.3	85.0	10.9	0.0	10.9	
6	15.0	27.0	22.0	72.7	0.0	0.0	0.0	4.3
7	18.6	26.5	20.9	83.3	13.8	12.5	26.3	1.6
8	17.2	28.7	21.3	78.0	0.0	0.0	0.0	5.8
9	17.0	27.0	21.0	79.0	14.9	4.6	19.5	2.7
10	18.0	25.4	20.2	84.7	1.6	0.0	1.6	3.3
11	17.0	27.5	20.7	82.3	34.0	0.0	34.0	1.9
12	16.9	25.8	20.9	83.0	.3	1.6	1.9	1.7
13	16.8	27.4	21.3	84.7	1.0	0.0	1.0	5.1
14	17.0	28.6	20.9	82.0	5.9	3.9	9.8	
15	18.6	26.8	21.1	84.7	3.3	1.6	4.9	2.1
16	17.8	29.1	21.3	81.3	12.3	39.8	52.1	5.4
17	16.9	26.8	20.7	80.7	0.0	0.0	0.0	5.3
18	17.2	28.4	23.4	73.0	0.0	14.6	14.6	5.8
19	17.0	26.4	21.6	81.7	4.0	24.4	28.4	3.5
20	16.8	24.2	20.6	75.0	.1	1.5	1.6	.8
21	17.4	26.0	21.8	79.3	0.0	1.0	1.0	3.2
22	18.2	22.2	19.0	86.3	8.5	0.0	8.5	0.0
23	16.2	26.2	20.3	80.0	0.0	0.0	0.0	2.0
24	17.0	24.6	20.1	83.7	6.3	0.0	6.3	.2
25	18.0	28.8	21.8	79.3	.1	9.9	10.0	4.9
26	16.0	27.4	20.9	74.0	0.0	0.0	0.0	6.7
27	14.8	28.0	21.3	76.3	0.0	.3	.3	6.2
28	17.2	26.9	21.8	78.0	0.0	0.0	0.0	2.7
29	18.0	26.7	21.2	85.7	.4	0.0	.4	1.9
30	17.2	29.4	22.7	72.3	0.0	.4	.4	8.3
31	18.0	29.8	22.9	75.0	0.0	8.3	8.3	5.0
TOTAL PROMEDIO	17.3	26.8	21.2	79.8	119.0	158.6	277.6	

ESTACION: VENECIA

DPTO: VALLE

LATITUD : 04° 20'N

AÑO : 1990

MPIO: CAICEDONIA

LONGITUD: 75° 50'W

ALTITUD : 1170 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.8	26.4	21.0	83.0	0.0	0.0	0.0	4.2
2	16.2	26.7	20.6	84.3	16.4	0.0	16.4	2.2
3	18.0	28.1	20.7	81.3	.8	18.8	19.6	4.4
4	17.2	25.0	21.0	85.7	9.4	0.0	9.4	.2
5	17.0	26.2	20.9	80.3	0.0	0.0	0.0	2.5
6	16.2	28.7	21.8	77.0	0.0	0.0	0.0	5.0
7	17.2	30.0	22.6	74.0	0.0	0.0	0.0	7.6
8	16.6	29.1	22.5	74.7	0.0	0.0	0.0	7.5
9	18.6	28.2	22.1	77.3	0.0	0.0	0.0	2.3
10	18.8	29.1	22.1	78.0	0.0	0.0	0.0	3.4
11	14.9	28.8	21.7	76.3	0.0	0.0	0.0	7.7
12	17.8	30.1	22.5	75.3	0.0	0.0	0.0	6.1
13	18.0	29.5	23.0	75.0	0.0	0.0	0.0	5.5
14	18.8	30.8	23.1	75.0	0.0	0.0	0.0	7.3
15	19.0	29.6	23.2	74.7	0.0	0.0	0.0	5.3
16	18.0	30.4	21.7	76.3	73.0	0.0	73.0	3.8
17	17.0	27.3	21.5	78.0	.1	0.0	.1	3.2
18	17.8	25.2	20.6	86.0	0.0	0.0	0.0	.6
19	16.4	27.6	21.4	81.3	0.0	0.0	0.0	3.9
20	18.2	29.1	22.1	84.0	0.0	9.8	9.8	3.8
21	18.4	21.6	18.4	94.3	1.4	0.0	1.4	0.0
22	14.8	23.0	19.1	83.7	0.0	0.0	0.0	.4
23	16.0	28.2	21.6	78.3	0.0	25.2	25.2	6.8
24	17.2	25.9	20.3	82.7	4.4	0.0	4.4	.9
25	15.0	29.1	21.7	76.3	0.0	0.0	0.0	
26	17.0	28.5	21.2	78.3	4.9	0.0	4.9	5.0
27	16.0	29.3	22.4	79.7	0.0	0.0	0.0	5.9
28	19.0	27.8	22.2	80.7	0.0	0.0	0.0	3.4
29	18.2	28.3	22.3	78.0	0.0	19.6	19.6	8.0
30	18.5	28.5	22.5	78.3	0.0	0.0	0.0	4.1
31								
TOTAL PROMEDIO	17.3	27.9	21.6	79.6	110.4	73.4	183.8	

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	28.0	22.4	79.0	2.7	1.3	4.0	7.0
2	19.0	27.0	21.2	83.7	14.5	1.0	15.5	2.1
3	17.0	26.2	20.6	80.7	0.0	1.7	1.7	1.6
4	18.6	27.8	22.3	78.0	0.0	35.0	35.0	3.6
5	17.5	22.8	19.9	88.3	.1	4.9	5.0	0.0
6	17.2	26.4	20.6	80.7	2.2	0.0	2.2	4.4
7	15.4	27.9	21.9	78.7	0.0	0.0	0.0	6.2
8	16.9	26.1	20.0	84.0	2.7	2.1	4.8	2.0
9	14.8	27.8	20.4	79.0	0.0	.1	.1	0.0
10	14.9	29.0	20.5	74.3	0.0	0.0	0.0	9.7
11	16.0	28.9	22.0	75.7	0.0	0.0	0.0	6.0
12	17.0	28.1	21.6	79.7	0.0	0.0	0.0	7.1
13	15.9	29.0	21.1	80.3	0.0	0.0	0.0	6.8
14	16.8	29.2	21.9	80.0	.8	.1	.9	7.3
15	17.0	30.2	23.5	72.3	0.0	0.0	0.0	8.3
16	16.0	31.0	23.1	75.0	0.0	0.0	0.0	8.2
17	17.6	31.2	22.3	76.3	0.0	0.0	0.0	7.1
18	17.0	31.0	22.3	75.7	0.0	0.0	0.0	8.7
19	16.9	26.2	21.3	79.0	0.0	0.0	0.0	.1
20	18.2	30.2	23.4	72.0	0.0	0.0	0.0	7.3
21	16.8	28.8	21.9	73.3	0.0	0.0	0.0	2.7
22	17.8	26.2	20.8	85.0	1.4	0.0	1.4	.1
23	16.0	28.8	22.5	75.0	0.0	2.5	2.5	
24	18.0	26.9	21.7	81.7	0.0	19.7	19.7	2.4
25	18.2	28.5	21.3	80.7	0.0	0.0	0.0	
26	17.0	29.0	21.0	81.3	1.9	0.0	1.9	3.5
27	18.0	27.2	20.2	83.7	0.0	0.0	0.0	.2
28	16.0	27.4	20.7	79.0	.2	0.0	.2	3.7
29	15.8	30.0	20.3	77.7	3.3	0.0	3.3	
30	16.4	27.4	21.7	78.3	0.0	4.7	4.7	4.4
31	16.8	28.4	21.5	77.3	0.0	0.0	0.0	4.8
TOTAL PROMEDIO	16.9	28.1	21.5	78.9	29.8	73.1	102.9	

ESTACION: VENECIA

DPTO: VALLE

LATITUD : 04° 20'N

AÑO : 1990

MPIO: CAICEDONIA

LONGITUD: 75° 50'W

ALTITUD : 1170 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	BRILLO SOL(h)
ENERO	17.7	28.1	22.0	16.2	31.6	77.1	102.6	14	151.7
FEBRERO	18.0	27.6	22.2	15.6	30.8	76.1	85.8	14	91.3
MARZO	17.9	28.4	22.5	14.2	33.1	77.4	170.1	19	124.4
ABRIL	18.1	27.8	22.2	15.0	31.7	79.3	224.5	21	
MAYO	18.1	28.6	22.5	15.8	31.5	78.0	68.8	15	
JUNIO	17.4	28.6	22.5	15.4	32.0	76.3	47.7	9	162.2
JULIO	17.1	29.1	22.4	14.8	31.0	73.9	70.5	13	188.2
AGOSTO	16.6	30.2	23.1	13.6	33.1	68.0	24.3	10	
SEPTIEMBRE	17.0	29.9	23.0	15.0	32.5	71.3	71.1	11	165.8
OCTUBRE	17.3	26.8	21.2	14.8	29.8	79.8	277.6	24	
NOVIEMBRE	17.3	27.9	21.6	14.8	30.8	79.6	183.8	11	
DICIEMBRE	16.9	28.1	21.5	14.8	31.2	78.9	102.9	16	
PROMEDIO	17.4	28.4	22.2			76.3			
ABSOLUTA				13.6	33.1				
TOTAL							1429.7	177	

ESTACION: HERACLIO URIBE

DPTO: VALLE

LATITUD : 04° 17'N

AÑO : 1990

MPIO: SEVILLA

LONGITUD: 75° 55'W  
ALTITUD : 1540 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.8	23.0	18.3	81.0	0.0	.1	.1	2.3
2	15.8	22.5	18.5	86.0	0.0	1.2	1.2	2.7
3	16.0	22.1	18.5	87.3	0.0	0.0	0.0	1.4
4	16.2	23.0	18.7	86.7	.5	4.8	5.3	2.5
5	16.1	20.5	17.9	92.7	.1	0.0	.1	0.0
6	16.0	21.8	17.9	86.7	3.9	.8	4.7	.3
7	15.6	21.3	18.1	86.3	1.1	27.7	28.8	1.2
8	16.0	19.5	16.7	92.7	16.8	0.0	16.8	.1
9	15.5	23.5	18.3	86.0	0.0	23.2	23.2	3.3
10	15.8	22.0	18.6	89.3	0.0	0.0	0.0	1.5
11	16.2	23.0	18.6	84.7	0.0	49.8	49.8	3.3
12	15.2	20.5	17.3	90.0	1.5	0.0	1.5	.5
13	14.0	22.0	18.0	85.3	.2	0.0	.2	3.8
14	15.5	23.0	18.8	85.3	0.0	0.0	0.0	2.7
15	15.4	24.0	19.6	83.7	0.0	0.0	0.0	4.5
16	15.5	24.8	19.6	82.0	0.0	0.0	0.0	4.3
17	15.8	25.0	19.8	83.3	0.0	0.0	0.0	4.0
18	15.7	25.2	20.0	82.0	0.0	0.0	0.0	6.0
19	16.8	23.8	18.4	84.3	12.2	.6	12.8	2.4
20	15.7	24.1	19.3	81.7	0.0	0.0	0.0	4.7
21	15.0	25.0	20.2	84.7	.1	1.4	1.5	5.3
22	16.8	23.0	19.1	85.7	.5	0.0	.5	2.4
23	16.0	25.0	20.3	84.0	0.0	0.0	0.0	5.7
24	16.3	26.2	20.6	81.3	0.0	0.0	0.0	4.8
25	16.2	27.0	20.8	82.3	0.0	0.0	0.0	7.1
26	17.4	20.0	18.3	94.0	.1	.6	.7	.1
27	16.0	26.1	20.6	79.0	0.0	0.0	0.0	8.4
28	15.8	25.2	20.3	80.3	0.0	0.0	0.0	2.2
29	16.0	25.0	21.2	78.7	0.0	0.0	0.0	4.4
30	16.1	25.2	21.1	81.7	0.0	0.0	0.0	4.8
31	17.0	25.1	21.2	86.0	0.0	0.0	0.0	2.6
TOTAL PROMEDIO	15.9	23.5	19.2	85.0	37.0	110.2	147.2	99.3

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.7	24.5	20.4	85.3	0.0	0.0	0.0	2.0
2	17.0	25.0	20.4	84.0	0.0	0.0	0.0	3.4
3	16.0	23.2	20.0	79.0	0.0	0.0	0.0	.4
4	16.8	25.5	20.6	81.3	0.0	5.8	5.8	3.2
5	16.0	21.5	17.7	91.3	1.7	3.5	5.2	.3
6	15.2	23.2	17.8	90.7	0.0	0.0	0.0	1.7
7	15.5	23.6	19.4	87.7	0.0	0.0	0.0	1.8
8	16.0	25.2	20.2	83.3	0.0	15.2	15.2	3.3
9	15.4	23.1	18.7	85.3	0.0	.3	.3	3.6
10	16.7	24.0	19.3	86.0	.6	.2	.8	1.8
11	17.0	22.5	18.8	89.0	2.0	.9	2.9	.5
12	16.5	21.6	18.2	91.7	0.0	0.0	0.0	.1
13	16.2	22.1	18.7	85.7	.1	0.0	.1	.1
14	15.0	24.0	19.3	82.3	0.0	0.0	0.0	4.4
15	16.7	24.5	19.5	85.3	0.0	.1	.1	2.8
16	16.8	25.0	19.8	79.7	0.0	0.0	0.0	3.7
17	15.5	24.8	19.4	81.0	0.0	1.0	1.0	4.3
18	15.7	21.0	17.8	88.3	.3	14.0	14.3	.8
19	15.0	21.2	17.7	86.3	1.8	0.0	1.8	2.4
20	14.8	22.8	18.2	86.7	0.0	0.0	0.0	4.4
21	16.0	23.8	19.3	84.0	0.0	0.0	0.0	2.9
22	15.7	22.8	18.7	85.0	0.0	.1	.1	2.0
23	15.6	23.0	18.1	86.7	3.0	0.0	3.0	.4
24	15.4	20.4	17.6	86.3	8.3	5.7	14.0	0.0
25	15.0	23.0	17.9	90.0	0.0	0.0	0.0	2.4
26	14.9	20.5	17.6	87.3	0.0	.4	.4	1.1
27	15.0	22.5	18.5	86.0	.3	0.0	.3	3.1
28	14.8	23.0	18.8	80.3	0.0	.6	.6	2.3
29								
30								
31								
TOTAL PROMEDIO	15.8	23.1	18.9	85.6	18.1	47.8	65.9	59.2

ESTACION: HERACLIO URIBE

DPTO: VALLE

LATITUD : 04° 17'N

ANO : 1990

MPIO: SEVILLA

LONGITUD: 75° 55'W  
ALTITUD : 1540 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.3	23.2	18.4	83.0	0.0	1.8	1.8	2.8
2	14.5	24.0	18.5	83.3	.5	0.0	.5	4.1
3	15.9	19.8	16.5	90.3	5.8	0.0	5.8	0.0
4	16.8	25.4	20.6	77.7	0.0	.3	.3	.3
5	15.5	23.0	19.2	87.3	0.0	0.0	0.0	1.6
6	15.0	25.5	19.5	86.0	2.7	0.0	2.7	4.8
7	16.5	24.5	19.7	84.0	0.0	0.0	0.0	1.6
8	16.4	26.5	20.6	83.7	0.0	0.0	0.0	6.7
9	17.0	26.4	21.4	81.7	0.0	0.0	0.0	6.5
10	16.9	27.5	21.3	78.7	0.0	0.0	0.0	5.1
11	17.2	25.0	21.0	83.3	0.0	0.0	0.0	1.2
12	16.7	27.2	21.1	80.3	0.0	0.0	0.0	5.5
13	17.6	28.0	22.0	80.7	0.0	0.0	0.0	5.2
14	16.7	22.4	19.6	83.3	0.0	0.0	0.0	.1
15	16.8	22.0	18.9	90.0	0.0	1.5	1.5	0.0
16	16.7	23.4	20.1	87.0	0.0	.2	.2	3.2
17	16.9	25.0	20.3	83.3	0.0	27.2	27.2	2.1
18	16.0	20.7	18.4	93.3	.4	1.5	1.9	.6
19	15.5	24.0	20.1	85.7	0.0	0.0	0.0	3.3
20	17.8	25.2	20.2	81.7	5.8	0.0	5.8	2.2
21	17.0	20.0	17.1	93.7	7.1	.3	7.4	0.0
22	15.0	25.0	20.5	78.7	0.0	0.0	0.0	5.7
23	16.8	22.2	19.3	91.0	.3	15.8	16.1	.3
24	16.7	22.5	18.5	90.0	2.9	.1	3.0	1.3
25	16.5	22.0	18.3	91.7	2.2	1.8	4.0	.6
26	16.0	20.5	17.1	91.0	6.9	14.5	21.4	.1
27	13.8	23.2	17.5	85.3	0.0	0.0	0.0	4.3
28	15.0	25.0	19.2	85.7	0.0	0.0	0.0	3.7
29	14.8	26.5	19.3	86.0	0.0	0.0	0.0	6.7
30	16.2	26.2	20.6	81.3	0.0	0.0	0.0	5.1
31	16.3	24.5	19.8	82.0	0.0	11.7	11.7	2.3
TOTAL PROMEDIO	16.2	24.1	19.5	85.2	34.6	76.7	111.3	87.0

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.8	18.1	16.5	96.0	3.4	0.0	3.4	.1
2	15.4	24.9	19.4	82.7	0.0	0.0	0.0	7.9
3	16.0	23.5	18.9	86.0	.6	0.0	.6	3.7
4	16.3	23.8	18.8	85.7	6.7	2.4	9.1	2.1
5	16.1	23.0	18.9	89.0	9.0	7.2	16.2	1.7
6	16.5	23.2	18.7	87.0	0.0	0.0	0.0	1.6
7	16.7	25.3	20.7	82.7	0.0	0.0	0.0	4.6
8	16.0	24.8	21.4	82.0	0.0	0.0	0.0	3.7
9	16.2	27.0	21.3	80.3	0.0	0.0	0.0	8.1
10	17.1	26.1	21.1	79.3	0.0	0.0	0.0	6.0
11	17.0	26.4	21.3	79.7	0.0	0.0	0.0	4.2
12	17.2	25.5	20.3	85.3	3.5	0.0	3.5	5.7
13	17.1	25.8	21.1	83.0	0.0	0.0	0.0	3.2
14	17.2	23.9	19.0	88.0	24.1	.4	24.5	1.6
15	16.8	23.5	19.6	86.0	.1	61.3	61.4	1.2
16	15.1	19.5	17.6	94.3	.8	0.0	.8	.1
17	15.0	25.7	19.4	85.3	1.6	5.1	6.7	5.1
18	16.0	25.0	19.5	84.7	0.0	0.0	0.0	4.6
19	16.8	23.2	19.5	90.3	0.0	0.0	0.0	1.0
20	16.9	25.0	19.5	85.0	3.2	1.4	4.6	3.0
21	16.4	22.0	18.7	86.3	.8	1.3	2.1	.3
22	16.0	24.2	19.3	79.7	1.0	7.3	8.3	2.1
23	16.4	21.0	17.7	95.0	.2	0.0	.2	.2
24	16.2	22.0	18.6	90.7	0.0	.9	.9	0.0
25	16.6	21.5	18.0	91.0	7.4	6.1	13.5	.2
26	16.0	24.6	19.4	86.7	.1	16.1	16.2	4.6
27	15.8	22.5	19.0	86.3	0.0	23.0	23.0	2.6
28	15.3	21.2	17.5	92.0	13.3	3.1	16.4	.7
29	15.4	21.0	18.1	90.0	.4	.5	.9	.5
30	16.0	21.4	18.5	91.3	0.0	0.0	0.0	0.0
31								
TOTAL PROMEDIO	16.2	23.5	19.2	86.7	76.2	136.1	212.3	80.4

ESTACION: HERACLIO URIBE

DPTO: VALLE

LATITUD : 04° 17'N

AÑO : 1990

MPIO: SEVILLA

LONGITUD: 75° 55'W

ALTITUD : 1540 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.9	24.7	18.7	85.7	1.7	0.0	1.7	4.0
2	14.6	24.0	19.5	87.7	0.0	.1	.1	3.3
3	16.5	22.0	18.1	91.3	2.0	0.0	2.0	.8
4	15.0	22.3	18.3	84.3	7.4	3.8	11.2	1.6
5	15.6	22.9	18.3	88.7	.2	0.0	.2	1.1
6	16.0	22.7	18.6	91.3	0.0	0.0	0.0	.8
7	16.6	25.0	20.0	87.3	5.6	0.0	5.6	4.6
8	17.1	24.0	19.5	80.3	.9	0.0	.9	.9
9	16.1	25.0	18.7	86.0	24.2	0.0	24.2	4.7
10	16.0	25.2	19.6	79.3	.3	.4	.7	4.8
11	16.7	23.0	18.8	89.0	5.6	.2	5.8	1.9
12	15.4	22.0	18.8	93.3	7.1	.1	7.2	1.5
13	16.7	22.6	18.4	90.3	8.9	.3	9.2	2.0
14	16.0	23.2	19.4	86.7	0.0	0.0	0.0	2.7
15	16.9	23.9	18.9	89.3	0.0	0.0	0.0	4.9
16	17.0	26.4	20.7	79.0	0.0	0.0	0.0	5.0
17	17.5	24.1	19.7	86.0	0.0	0.0	0.0	1.3
18	16.0	25.2	20.2	88.0	0.0	0.0	0.0	6.3
19	17.0	25.0	21.4	81.7	0.0	0.0	0.0	3.2
20	17.2	24.7	20.4	86.0	0.0	0.0	0.0	2.9
21	17.0	23.7	19.9	86.0	0.0	0.0	0.0	1.0
22	17.2	23.8	19.5	87.3	.6	0.0	.6	2.5
23	16.8	24.9	19.4	80.7	1.3	0.0	1.3	5.5
24	16.7	22.5	18.5	87.0	5.9	.1	6.0	2.5
25	16.0	22.3	18.8	86.3	0.0	0.0	0.0	.8
26	16.8	24.2	19.0	84.3	.3	0.0	.3	5.2
27	15.8	23.5	18.8	84.0	4.8	.4	5.2	2.8
28	15.6	24.0	19.1	84.0	0.0	7.3	7.3	3.3
29	15.2	20.2	18.0	90.3	9.4	0.0	9.4	.7
30	15.4	23.1	19.3	86.7	0.0	0.0	0.0	4.8
31	16.0	23.4	19.1	84.0	0.0	0.0	0.0	2.2
TOTAL PROMEDIO	16.3	23.7	19.2	86.2	86.2	12.7	98.9	89.6

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.4	23.6	18.3	85.7	8.2	.2	8.4	2.0
2	14.0	24.0	19.2	83.0	0.0	0.0	0.0	5.2
3	15.8	23.7	20.3	80.3	0.0	0.0	0.0	4.7
4	16.4	24.0	19.3	87.3	5.0	0.0	5.0	2.9
5	16.7	25.3	20.5	84.0	0.0	0.0	0.0	5.8
6	17.0	28.2	21.3	78.3	0.0	0.0	0.0	8.0
7	15.9	26.0	20.3	78.7	0.0	0.0	0.0	7.4
8	16.4	22.5	19.8	85.0	0.0	0.0	0.0	.8
9	16.0	22.2	19.1	85.3	.4	13.5	13.9	.4
10	16.8	20.5	17.9	92.0	13.7	3.8	17.5	.2
11	15.9	21.4	18.5	90.7	0.0	0.0	0.0	1.1
12	16.4	24.2	19.6	86.0	8.4	0.0	8.4	2.8
13	15.0	23.1	18.3	90.0	.2	0.0	.2	2.9
14	15.8	24.2	19.2	87.3	.2	0.0	.2	3.9
15	15.7	24.1	19.0	86.7	14.0	2.9	16.9	3.9
16	16.1	23.2	18.7	86.7	.4	0.0	.4	3.8
17	16.2	25.0	19.4	87.0	0.0	0.0	0.0	7.2
18	16.0	24.9	20.0	84.0	0.0	0.0	0.0	7.9
19	15.0	25.8	21.0	82.0	0.0	0.0	0.0	7.6
20	15.8	25.0	19.5	85.0	0.0	0.0	0.0	4.3
21	16.0	24.0	20.0	79.7	0.0	0.0	0.0	6.5
22	16.1	25.0	20.0	86.0	4.7	0.0	4.7	4.5
23	15.8	23.0	18.7	86.7	.2	0.0	.2	2.2
24	15.2	22.0	18.1	88.7	8.6	0.0	8.6	2.7
25	16.0	24.0	19.7	83.3	0.0	0.0	0.0	5.0
26	15.6	24.1	19.8	81.7	0.0	0.0	0.0	3.1
27	17.0	22.9	19.7	87.0	.8	0.0	.8	.1
28	16.1	25.0	20.9	78.7	0.0	0.0	0.0	5.8
29	15.6	27.2	21.3	76.7	0.0	0.0	0.0	10.2
30	16.8	26.2	21.4	76.3	0.0	0.0	0.0	6.9
31								
TOTAL PROMEDIO	16.0	24.1	19.6	84.3	64.8	20.4	85.2	129.8

ESTACION: HERACLIO URIBE

DPTO: VALLE

LATITUD : 04° 17'N

ANO : 1990

MPIO: SEVILLA

LONGITUD: 75° 55'W

ALTITUD : 1540 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.4	26.0	20.4	81.7	0.0	1.1	1.1	3.4
2	16.5	26.1	20.5	78.7	0.0	0.0	0.0	5.8
3	16.0	25.0	20.3	80.3	0.0	0.0	0.0	5.5
4	16.2	24.9	18.6	85.3	1.3	2.8	4.1	5.2
5	15.9	22.0	18.1	88.0	0.0	0.0	0.0	1.7
6	14.0	24.1	18.5	88.0	.1	0.0	.1	5.8
7	15.4	24.7	19.5	82.7	.8	21.8	22.6	1.4
8	14.9	24.8	19.1	83.0	1.3	1.3	2.6	7.1
9	15.0	22.7	18.6	89.3	1.8	10.2	12.0	1.9
10	14.8	22.5	17.4	89.0	2.5	0.0	2.5	3.5
11	15.6	24.1	19.3	85.3	0.0	3.0	3.0	3.7
12	16.2	24.8	19.3	85.3	0.0	0.0	0.0	2.4
13	16.0	25.8	19.3	82.0	0.0	0.0	0.0	4.3
14	15.9	24.2	19.4	82.3	.6	0.0	.6	3.9
15	16.0	22.4	18.7	87.3	9.5	0.0	9.5	2.0
16	15.4	22.1	17.9	86.7	0.0	.1	.1	1.8
17	16.1	23.9	18.3	83.7	6.9	.4	7.3	2.6
18	15.4	22.2	18.5	88.7	.2	18.1	18.3	2.9
19	14.2	23.4	18.2	86.0	1.6	0.0	1.6	5.6
20	14.3	25.0	19.3	81.7	0.0	.5	.5	7.2
21	15.1	24.9	18.5	85.0	5.9	0.0	5.9	6.5
22	14.0	23.6	18.9	83.7	0.0	0.0	0.0	4.3
23	15.9	24.5	19.9	82.0	.5	0.0	.5	3.5
24	16.0	26.0	20.3	83.3	0.0	0.0	0.0	6.6
25	14.9	25.8	20.0	81.0	0.0	0.0	0.0	6.9
26	15.0	24.8	19.7	82.3	0.0	0.0	0.0	5.7
27	15.9	25.0	20.5	78.7	0.0	0.0	0.0	4.8
28	15.0	27.0	20.8	74.7	0.0	0.0	0.0	7.1
29	15.4	26.0	20.5	78.7	0.0	.4	.4	6.5
30	15.8	25.7	20.1	74.0	0.0	0.0	0.0	7.8
31	14.9	26.5	20.6	62.0	0.0	0.0	0.0	8.0
TOTAL PROMEDIO	15.4	24.5	19.3	82.6	33.0	59.7	92.7	145.4

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.0	26.2	20.3	74.7	0.0	0.0	0.0	8.5
2	15.4	25.6	20.1	79.0	0.0	0.0	0.0	7.2
3	15.5	25.1	19.4	81.3	0.0	0.0	0.0	3.0
4	15.9	26.2	20.2	74.3	0.0	0.0	0.0	5.2
5	15.1	26.0	20.0	80.3	0.0	0.0	0.0	6.5
6	15.0	27.8	21.2	73.7	0.0	0.0	0.0	8.7
7	16.0	26.7	20.9	76.7	0.0	0.0	0.0	4.6
8	16.1	26.0	19.6	85.3	5.8	0.0	5.8	5.0
9	16.2	26.8	20.4	78.3	0.0	0.0	0.0	5.6
10	15.8	25.5	20.5	82.7	0.0	0.0	0.0	1.8
11	15.5	27.0	20.4	75.3	0.0	0.0	0.0	7.2
12	14.5	27.2	20.7	73.3	0.0	0.0	0.0	8.7
13	16.2	25.2	19.4	81.0	.2	0.0	.2	4.1
14	16.1	24.4	18.9	80.7	7.9	0.0	7.9	.3
15	14.8	25.0	19.3	79.0	.2	0.0	.2	5.2
16	16.2	26.8	20.7	78.0	0.0	0.0	0.0	6.7
17	16.7	28.0	21.3	77.0	.4	0.0	.4	6.9
18	16.4	25.2	20.5	82.3	0.0	0.0	0.0	2.1
19	16.0	29.2	22.0	71.7	0.0	0.0	0.0	8.0
20	16.1	27.8	20.6	76.3	0.0	0.0	0.0	6.9
21	17.0	28.0	20.9	65.3	0.0	0.0	0.0	7.2
22	16.2	28.9	21.5	68.0	0.0	0.0	0.0	7.3
23	15.4	28.4	21.7	68.3	0.0	0.0	0.0	6.9
24	15.2	27.5	21.4	70.0	0.0	0.0	0.0	6.2
25	14.8	27.8	21.6	71.3	0.0	0.0	0.0	7.9
26	16.7	25.7	19.0	77.0	4.9	.1	5.0	3.7
27	15.2	25.0	19.8	79.0	.4	12.3	12.7	3.1
28	15.8	22.0	17.9	84.7	1.3	0.0	1.3	.5
29	14.9	21.8	17.3	88.3	3.1	0.0	3.1	1.6
30	16.0	25.0	20.0	76.7	1.4	3.0	4.4	3.0
31	15.5	24.9	19.9	78.0	.3	0.0	.3	4.5
TOTAL PROMEDIO	15.7	26.2	20.2	77.0	25.9	15.4	41.3	164.1

ESTACION: HERACLIO URIBE

DPTO: VALLE

LATITUD : 04° 17'N

AÑO : 1990

MPIO: SEVILLA

LONGITUD: 75° 55'W  
ALTITUD : 1540 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.8	24.5	20.2	79.3	0.0	2.4	2.4	2.4
2	16.0	24.0	20.1	83.0	11.8	.2	12.0	3.2
3	15.5	24.2	19.5	83.3	0.0	0.0	0.0	3.6
4	15.0	26.8	20.7	79.0	0.0	0.0	0.0	4.4
5	15.5	28.0	20.7	76.0	0.0	0.0	0.0	6.2
6	16.5	25.8	19.6	79.0	.3	0.0	.3	2.8
7	16.0	25.7	19.9	78.0	0.0	0.0	0.0	4.5
8	15.8	25.2	20.4	78.3	.1	0.0	.1	2.9
9	16.0	25.5	20.1	82.3	.1	.1	.2	5.5
10	15.9	25.0	19.9	80.0	0.0	.3	.3	3.1
11	16.8	24.4	19.8	80.0	.7	0.0	.7	2.1
12	16.2	25.2	18.6	84.0	.9	0.0	.9	4.3
13	15.5	25.4	20.2	79.7	0.0	0.0	0.0	6.6
14	16.2	23.2	18.8	79.7	0.0	.1	.1	1.4
15	14.8	25.0	20.5	74.0	0.0	0.0	0.0	3.5
16	16.0	26.1	20.7	73.0	0.0	0.0	0.0	5.3
17	14.8	26.9	21.5	71.7	0.0	0.0	0.0	7.1
18	15.5	27.0	20.6	75.0	0.0	11.4	11.4	6.2
19	16.8	26.9	20.3	73.3	.5	0.0	.5	7.3
20	15.5	25.0	19.7	76.7	0.0	0.0	0.0	4.9
21	15.8	25.2	19.6	77.7	0.0	32.2	32.2	5.1
22	15.0	22.0	18.3	85.3	4.0	0.0	4.0	2.1
23	14.9	23.6	18.5	90.0	1.1	0.0	1.1	2.4
24	15.5	24.5	20.1	80.0	0.0	0.0	0.0	2.9
25	16.2	25.0	20.1	77.0	.2	0.0	.2	2.4
26	16.0	24.8	18.2	82.0	53.3	.9	54.2	4.7
27	15.2	23.0	19.1	83.3	0.0	0.0	0.0	5.2
28	16.0	24.8	19.9	79.0	0.0	0.0	0.0	3.6
29	16.2	25.0	20.2	81.3	0.0	0.0	0.0	1.3
30	15.5	25.4	18.4	84.7	11.4	44.7	56.1	3.4
31								
TOTAL PROMEDIO	15.7	25.1	19.8	79.5	84.4	92.3	176.7	120.4

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	22.2	18.1	93.3	11.7	28.5	40.2	1.7
2	15.5	20.2	17.4	89.7	.6	.1	.7	.6
3	15.4	23.1	19.0	77.7	.2	.1	.3	1.9
4	16.2	24.8	20.4	77.0	0.0	35.0	35.0	4.2
5	16.0	18.6	16.6	93.0	1.0	0.0	1.0	0.0
6	14.0	22.5	18.7	82.3	.1	0.0	.1	4.1
7	16.5	23.0	17.6	91.3	19.0	3.3	22.3	2.3
8	15.0	24.0	18.7	82.7	0.0	0.0	0.0	.4
9	16.5	23.0	18.2	87.3	8.0	6.0	14.0	1.5
10	15.4	20.0	17.6	91.7	10.1	0.0	10.1	.3
11	16.0	23.0	18.9	85.7	3.2	17.0	20.2	2.4
12	15.0	22.2	17.9	90.0	.5	2.3	2.8	2.1
13	15.2	22.1	18.8	84.7	1.2	0.0	1.2	1.6
14	16.0	24.0	18.8	92.0	6.3	1.6	7.9	2.2
15	16.3	24.1	19.1	85.7	0.0	3.5	3.5	2.0
16	15.5	24.0	18.9	82.0	7.3	3.8	11.1	2.8
17	15.0	22.8	18.1	85.0	12.3	0.0	12.3	2.5
18	15.5	24.0	19.8	86.7	2.6	24.8	27.4	4.9
19	15.0	22.0	18.3	87.3	3.3	45.6	48.9	1.8
20	14.6	20.3	17.1	92.7	.1	.9	1.0	.7
21	15.0	21.5	17.0	88.3	4.8	0.0	4.8	1.6
22	15.2	18.8	16.5	93.0	8.6	0.0	8.6	0.0
23	15.0	22.0	17.5	87.7	0.0	0.0	0.0	1.0
24	16.0	21.0	17.7	91.7	7.3	0.0	7.3	1.0
25	15.9	23.2	18.8	86.0	0.0	5.0	5.0	1.5
26	14.2	23.5	18.2	78.3	0.0	0.0	0.0	4.0
27	15.0	23.6	19.0	85.0	1.4	2.7	4.1	5.6
28	15.8	22.0	18.9	87.0	.4	0.0	.4	1.1
29	16.0	21.8	18.4	87.7	.6	0.0	.6	.5
30	15.5	24.5	19.1	83.3	0.0	1.1	1.1	5.1
31	16.0	24.0	19.2	84.3	.3	27.3	27.6	3.8
TOTAL PROMEDIO	15.5	22.4	18.3	86.8	110.9	208.6	319.5	65.2



ESTACION: HERACLIO URIBE

DPTO: VALLE

LATITUD : 04° 17'N

ANO : 1990

MPIO: SEVILLA

LONGITUD : 75° 55'W  
ALTITUD : 1540 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.8	22.7	17.8	89.0	.5	0.0	.5	2.0
2	15.1	22.2	17.9	87.3	9.0	.1	9.1	1.6
3	16.0	22.4	18.1	86.3	.7	18.7	19.4	.8
4	15.6	21.8	18.0	85.3	8.6	.5	9.1	.7
5	16.0	22.2	18.6	84.7	.2	.1	.3	2.4
6	15.1	23.0	18.8	85.7	0.0	0.0	0.0	2.0
7	15.8	24.0	19.1	81.7	0.0	0.0	0.0	3.7
8	15.6	24.7	19.8	82.0	0.0	0.0	0.0	4.0
9	16.5	23.0	19.4	84.7	0.0	.3	.3	.8
10	16.8	23.2	19.3	84.7	0.0	0.0	0.0	2.3
11	15.2	25.0	19.8	81.7	0.0	0.0	0.0	4.7
12	15.8	24.9	19.8	81.7	0.0	0.0	0.0	3.8
13	16.8	25.0	20.5	81.7	0.0	0.0	0.0	2.9
14	17.0	25.4	20.0	83.7	0.0	0.0	0.0	5.1
15	16.9	24.2	20.4	83.7	0.0	0.0	0.0	3.7
16	16.5	25.0	20.8	82.0	0.0	20.4	20.4	2.9
17	15.5	22.2	18.6	83.3	.4	0.0	.4	1.0
18	16.0	22.3	19.5	84.7	0.0	0.0	0.0	.2
19	15.5	23.8	19.3	86.3	0.0	0.0	0.0	2.5
20	16.8	23.2	19.5	88.3	0.0	48.3	48.3	2.1
21	15.4	18.8	16.2	95.3	6.0	0.0	6.0	0.0
22	13.4	19.8	16.9	91.7	0.0	0.0	0.0	.6
23	15.7	24.2	19.0	83.3	0.0	28.4	28.4	5.5
24	15.3	21.2	17.6	85.3	.9	0.0	.9	0.0
25	15.8	24.0	19.5	83.0	0.0	0.0	0.0	3.9
26	15.9	24.3	19.0	87.0	1.1	0.0	1.1	3.7
27	15.2	23.8	19.3	83.3	2.1	0.0	2.1	2.6
28	16.8	22.2	18.8	89.0	.3	0.0	.3	.8
29	16.0	23.5	19.3	83.7	0.0	2.9	2.9	3.8
30	16.8	24.2	19.3	86.7	0.0	0.0	0.0	4.3
31								
TOTAL PROMEDIO	15.9	23.2	19.0	85.2	29.8	119.7	149.5	74.4

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.5	23.4	19.0	84.3	14.5	4.5	19.0	3.1
2	17.0	23.5	18.6	82.3	10.5	8.1	18.6	2.9
3	15.0	22.5	17.8	87.0	.6	.3	.9	2.3
4	16.6	23.0	19.1	88.7	2.4	32.6	35.0	2.1
5	15.0	19.2	16.7	92.0	.7	3.7	4.4	.1
6	15.2	22.2	18.4	85.3	0.0	0.0	0.0	3.2
7	14.5	23.5	19.2	81.7	0.0	0.0	0.0	4.2
8	15.8	23.8	17.9	84.0	9.1	2.3	11.4	.6
9	14.0	23.4	18.5	85.0	0.0	2.2	2.2	4.2
10	14.8	23.8	18.9	83.7	0.0	0.0	0.0	
11	14.9	25.0	19.2	80.3	.3	0.0	.3	5.0
12	16.0	24.2	19.1	82.0	0.0	0.0	0.0	4.6
13	15.0	23.2	18.7	82.0	0.0	0.0	0.0	3.5
14	15.5	24.0	20.0	81.7	.4	0.0	.4	4.3
15	16.5	25.3	20.2	82.3	0.0	0.0	0.0	6.1
16	15.7	25.8	19.8	81.3	0.0	0.0	0.0	5.5
17	16.8	25.5	20.7	78.7	0.0	0.0	0.0	3.0
18	16.9	25.2	20.6	78.0	0.0	0.0	0.0	5.3
19	16.7	22.2	19.2	88.0	0.0	0.0	0.0	.2
20	16.8	25.7	20.6	76.7	0.0	0.0	0.0	4.0
21	16.4	23.5	20.0	81.3	0.0	0.0	0.0	1.1
22	16.8	21.4	18.7	87.0	1.9	0.0	1.9	.1
23	15.0	24.0	19.8	80.7	0.0	3.3	3.3	2.0
24	16.8	22.2	19.3	83.7	0.0	40.5	40.5	1.0
25	16.0	21.8	18.4	88.3	0.0	0.0	0.0	1.0
26	15.8	23.8	19.5	83.0	.2	.1	.3	1.6
27	16.2	21.4	19.0	88.0	0.0	0.0	0.0	
28	16.0	22.8	18.2	83.3	8.3	0.0	8.3	2.4
29	15.6	23.5	18.3	80.0	4.8	1.5	6.3	
30	15.5	23.0	18.6	80.0	1.3	5.8	7.1	2.2
31	15.0	24.2	19.7	80.7	0.0	0.0	0.0	4.2
TOTAL PROMEDIO	15.8	23.4	19.1	83.3	55.0	104.9	159.9	

ESTACION: HERACLIO URIBE

DPTO: VALLE

LATITUD : 04° 17'N

ANO : 1990

MPIO: SEVILLA

LONGITUD: 75° 55'W

ALTITUD : 1540 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		BRILLO SOL(h)
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	
ENERO	15.9	23.5	19.2	14.0	27.0	85.0	147.2	15	99.3
FEBRERO	15.8	23.1	18.9	14.8	25.5	85.6	65.9	17	59.2
MARZO	16.2	24.1	19.5	13.8	28.0	85.2	111.3	16	87.0
ABRIL	16.2	23.5	19.2	15.0	27.0	86.7	212.3	19	80.4
MAYO	16.3	23.7	19.2	14.6	26.4	86.2	98.9	19	89.6
JUNIO	16.0	24.1	19.6	14.0	28.2	84.3	85.2	13	129.8
JULIO	15.4	24.5	19.3	14.0	27.0	82.6	92.7	18	145.4
AGOSTO	15.7	26.2	20.2	14.0	29.2	77.0	41.3	11	164.1
SEPTIEMBRE	15.7	25.1	19.8	14.8	28.0	79.5	176.7	17	120.4
OCTUBRE	15.5	22.4	18.3	14.0	24.8	86.8	319.5	28	65.2
NOVIEMBRE	15.9	23.2	19.0	13.4	25.4	85.2	149.5	16	74.4
DICIEMBRE	15.8	23.4	19.1	14.0	25.8	83.3	159.9	16	
PROMEDIO	15.9	23.9	19.3			83.9			
ABSOLUTA				13.4	29.2				
TOTAL							1660.4	205	

ESTACION: MANUEL M. MALLARINO DPTO: VALLE  
 AÑO : 1990 MPIO: TRUJILLO

LATITUD : 04° 13'N  
 LONGITUD : 76° 19'W  
 ALTITUD : 1380 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.2	26.4	19.4	78.0	0.0	0.0	0.0	3.7
2	15.5	26.0	19.8	82.7	.6	6.1	6.7	4.4
3	16.5	25.0	19.9	85.3	0.0	0.0	0.0	2.6
4	16.0	25.5	20.5	79.3	0.0	13.8	13.8	3.8
5	17.0	22.5	19.0	90.0	4.2	0.0	4.2	0.0
6	16.9	23.5	19.4	87.7	6.0	.6	6.6	.3
7	16.7	25.0	19.3	87.0	22.5	5.4	27.9	1.7
8	16.8	21.2	18.5	92.7	.6	0.0	.6	0.0
9	15.5	26.0	19.4	83.0	0.0	1.0	1.0	4.1
10	16.0	25.2	19.7	82.3	1.6	0.0	1.6	2.7
11	16.5	26.1	20.5	80.3	.6	0.0	.6	2.3
12	17.5	20.2	18.4	91.3	.6	0.0	.6	0.0
13	15.1	25.8	19.6	82.3	0.0	0.0	0.0	4.5
14	15.6	26.0	20.2	78.0	0.0	0.0	0.0	4.1
15	16.0	26.6	20.6	79.7	0.0	0.0	0.0	5.9
16	16.5	27.6	20.9	76.0	0.0	0.0	0.0	5.6
17	17.4	28.0	21.8	76.3	0.0	0.0	0.0	4.1
18	17.0	27.8	22.1	76.7	0.0	0.0	0.0	4.8
19	17.5	24.6	20.2	86.3	0.0	.2	.2	1.3
20	16.5	27.5	21.7	76.0	0.0	0.0	0.0	5.7
21	16.4	27.4	21.4	80.7	.2	8.3	8.5	4.1
22	16.2	26.0	20.1	86.0	0.0	0.0	0.0	3.4
23	17.0	29.2	21.9	79.3	0.0	0.0	0.0	6.6
24	17.2	29.3	22.3	80.7	0.0	0.0	0.0	6.0
25	17.5	30.2	22.7	79.7	0.0	0.0	0.0	7.3
26	19.0	20.6	19.6	94.0	10.8	.2	11.0	0.0
27	17.0	28.5	21.9	77.3	0.0	0.0	0.0	7.3
28	17.8	29.1	22.4	76.0	0.0	0.0	0.0	7.5
29	17.5	28.4	22.1	76.7	0.0	0.0	0.0	6.5
30	17.3	30.0	22.8	77.0	0.0	0.0	0.0	7.7
31	19.5	28.0	22.9	82.3	0.0	0.0	0.0	1.7
TOTAL PROMEDIO	16.8	26.2	20.6	82.0	47.7	35.6	83.3	119.7

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	28.2	21.9	81.0	0.0	0.0	0.0	4.7
2	17.8	27.0	21.4	78.0	0.0	0.0	0.0	.5
3	16.5	25.0	20.4	86.7	0.0	0.0	0.0	1.3
4	18.0	26.2	21.8	79.3	0.0	56.7	56.7	1.4
5	17.0	23.8	18.8	93.0	6.4	16.9	23.3	1.0
6	15.4	23.5	19.8	87.3	0.0	0.0	0.0	1.2
7	17.0	27.0	21.3	78.0	0.0	0.0	0.0	5.1
8	17.1	27.8	21.4	80.0	0.0	11.0	11.0	6.1
9	17.5	25.8	21.2	79.0	0.0	.1	.1	5.7
10	18.2	26.8	21.5	81.0	0.0	0.0	0.0	4.0
11	17.5	25.2	20.1	85.0	4.0	7.1	11.1	2.4
12	17.4	26.0	20.6	80.3	0.0	0.0	0.0	.5
13	17.5	24.5	21.0	82.0	0.0	0.0	0.0	.6
14	16.5	28.0	21.3	77.7	0.0	0.0	0.0	5.1
15	18.0	27.4	21.2	81.3	0.0	0.0	0.0	4.4
16	17.5	27.6	21.6	77.0	0.0	0.0	0.0	3.9
17	17.1	25.5	20.9	79.3	0.0	0.0	0.0	2.9
18	16.8	22.8	19.3	86.7	5.8	2.3	8.1	.1
19	17.0	24.2	18.8	86.7	1.1	0.0	1.1	3.2
20	16.7	26.2	20.1	76.0	0.0	0.0	0.0	4.6
21	16.5	26.7	20.7	77.3	0.0	0.0	0.0	4.7
22	17.0	24.3	20.1	84.0	0.0	0.0	0.0	.9
23	16.2	25.3	19.6	83.0	52.0	.6	52.6	.6
24	16.4	19.2	17.7	97.3	13.5	.1	13.6	0.0
25	14.8	23.2	19.6	83.0	0.0	0.0	0.0	.7
26	15.3	24.5	20.0	86.3	.2	2.8	3.0	2.4
27	16.0	25.5	19.0	80.3	0.0	0.0	0.0	2.2
28	16.2	25.7	20.4	77.3	0.0	24.9	24.9	1.8
TOTAL PROMEDIO	16.9	25.5	20.4	82.3	83.0	122.5	205.5	72.0

ESTACION: MANUEL M. MALLARINO DPTO: VALLE  
 AÑO : 1990 MPIO: TRUJILLO

LATITUD : 04° 13'N  
 LONGITUD: 76° 19'W  
 ALTITUD : 1380 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.7	25.4	18.7	83.3	12.6	0.0	12.6	3.4
2	15.8	26.2	20.1	76.7	0.0	6.7	6.7	6.7
3	17.0	22.4	18.5	85.3	0.0	0.0	0.0	0.0
4	14.0	22.1	18.6	87.7	.9	0.0	.9	.7
5	16.0	24.4	20.4	83.3	0.0	0.0	0.0	2.3
6	15.9	28.0	21.3	76.3	0.0	0.0	0.0	7.1
7	17.0	26.0	20.9	80.0	0.0	0.0	0.0	1.7
8	17.2	28.5	21.5	76.3	0.0	0.0	0.0	8.3
9	17.4	27.2	21.3	80.7	0.0	0.0	0.0	5.4
10	17.5	28.2	21.1	82.7	0.0	0.0	0.0	1.7
11	17.8	25.5	21.5	85.7	0.0	0.0	0.0	7.8
12	16.5	29.5	22.8	76.0	0.0	0.0	0.0	6.7
13	19.5	29.7	23.3	76.0	0.0	0.0	0.0	.9
14	17.8	26.8	21.8	84.0	0.0	0.0	0.0	0.0
15	17.8	25.5	21.2	85.7	0.0	0.0	0.0	3.8
16	17.4	27.8	21.4	79.7	0.0	0.0	0.0	3.4
17	17.8	27.2	21.9	81.3	0.0	4.3	4.3	0.0
18	17.5	22.4	19.6	90.7	.2	.9	1.1	4.4
19	16.5	26.6	21.3	81.7	0.0	0.0	0.0	2.4
20	17.5	26.0	20.7	81.3	1.8	.4	2.2	.1
21	17.6	21.8	19.1	91.3	3.7	0.0	3.7	7.6
22	16.0	27.5	21.4	79.0	0.0	.2	.2	1.1
23	18.0	24.0	20.7	84.3	1.9	20.2	22.1	4.3
24	17.2	25.7	20.7	83.3	9.6	0.0	9.6	.7
25	18.0	24.5	19.5	88.0	35.0	0.0	35.0	.1
26	16.8	23.0	18.7	94.7	7.1	6.9	14.0	5.1
27	14.5	24.5	19.5	80.0	0.0	0.0	0.0	4.5
28	16.0	27.2	20.9	76.0	0.0	0.0	0.0	5.6
29	16.4	27.8	20.9	81.3	0.0	0.0	0.0	7.0
30	17.0	28.5	21.7	74.3	0.0	0.0	0.0	3.9
31	16.8	25.7	21.4	76.3	0.0	17.6	17.6	
TOTAL PROMEDIO	16.9	26.0	20.7	82.0	72.8	57.2	130.0	112.3

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.4	20.2	18.2	91.7	0.0	0.0	0.0	.6
2	14.3	25.6	20.3	84.0	0.0	0.0	0.0	7.0
3	16.5	26.4	20.6	80.3	0.0	8.5	8.5	3.6
4	17.4	26.0	21.0	77.0	0.0	2.3	2.3	3.6
5	17.0	26.6	21.1	80.3	0.0	.1	.1	4.5
6	18.4	25.0	21.0	83.7	0.0	0.0	0.0	2.2
7	17.5	27.0	22.3	77.0	0.0	0.0	0.0	7.4
8	17.8	27.3	22.7	75.3	0.0	0.0	0.0	6.6
9	17.5	28.6	22.7	76.0	0.0	0.0	0.0	8.1
10	18.2	27.5	22.5	75.3	0.0	0.0	0.0	5.1
11	18.0	28.6	22.6	77.3	0.0	2.7	2.7	6.2
12	18.8	27.6	22.6	79.7	1.4	0.0	1.4	5.9
13	18.7	28.5	22.3	76.7	0.0	1.7	1.7	4.1
14	18.2	26.2	20.5	86.3	1.5	.2	1.7	1.4
15	17.0	27.5	21.4	77.7	3.7	.2	3.9	2.2
16	17.5	21.5	19.1	92.0	2.9	0.0	2.9	.3
17	15.8	26.8	22.1	78.3	0.0	0.0	0.0	7.3
18	17.5	28.0	22.1	74.7	0.0	0.0	0.0	6.3
19	18.0	26.5	22.4	80.3	.3	0.0	.3	3.6
20	17.5	26.4	20.9	81.3	.3	7.0	7.3	2.8
21	17.6	23.5	19.8	84.3	5.9	0.0	5.9	.7
22	16.5	25.0	20.8	81.3	0.0	.3	.3	3.7
23	17.6	22.8	20.2	89.0	0.0	.3	.3	0.0
24	17.0	24.2	20.9	82.3	0.0	0.0	0.0	.2
25	18.2	23.2	19.4	93.7	2.3	.2	2.5	1.0
26	17.6	26.2	21.7	79.3	0.0	7.1	7.1	3.1
27	16.8	24.0	19.6	90.3	3.5	42.0	45.5	3.3
28	17.0	23.0	19.4	89.0	.9	9.9	10.8	.6
29	16.4	23.2	19.9	88.7	0.0	2.4	2.4	.9
30	16.8	23.0	19.5	89.3	0.0	3.4	3.4	0.0
31								
TOTAL PROMEDIO	17.3	25.5	21.0	82.4	22.7	88.3	111.0	102.3

ESTACION: MANUEL M. MALLARINO DPTO: VALLE  
 AÑO : 1990 MPIO: TRUJILLO

LATITUD : 04° 13'N  
 LONGITUD: 76° 19'W  
 ALTITUD : 1380 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	24.5	19.1	94.0	17.3	2.7	20.0	3.0
2	15.5	25.0	18.9	86.3	6.9	27.3	34.2	3.7
3	16.2	23.5	19.0	83.7	3.8	0.0	3.8	3.4
4	16.4	23.8	19.6	85.0	0.0	6.1	6.1	0.0
5	17.0	24.4	20.1	84.0	0.0	0.0	0.0	2.8
6	16.8	26.0	20.6	84.3	0.0	0.0	0.0	2.6
7	17.3	26.5	20.9	83.3	.6	0.0	.6	5.3
8	18.0	26.0	21.5	85.0	0.0	0.0	0.0	1.4
9	17.4	26.8	21.4	82.7	0.0	0.0	0.0	5.5
10	17.0	25.0	20.2	84.0	0.0	0.0	0.0	5.4
11	17.4	26.0	21.3	80.0	0.0	0.0	0.0	3.3
12	16.8	24.8	21.3	83.7	0.0	.8	.8	0.0
13	17.8	24.5	20.6	87.3	0.0	.7	.7	1.3
14	17.6	25.0	21.5	84.0	0.0	0.0	0.0	4.6
15	18.8	26.5	21.9	82.3	0.0	0.0	0.0	6.9
16	18.0	25.5	22.0	81.0	0.0	0.0	0.0	5.9
17	18.1	25.6	20.6	84.7	0.0	0.0	0.0	.5
18	17.2	25.3	21.3	78.7	0.0	0.0	0.0	5.8
19	17.8	26.7	21.6	76.7	0.0	0.0	0.0	3.2
20	17.5	25.6	20.6	82.0	0.0	0.0	0.0	.4
21	16.8	26.5	20.9	83.7	0.0	0.0	0.0	.2
22	16.6	26.4	21.1	81.3	0.0	0.0	0.0	3.0
23	17.5	28.2	22.8	74.3	0.0	0.0	0.0	2.9
24	18.0	24.6	21.4	86.3	.3	0.0	.3	2.2
25	17.4	25.5	21.3	84.0	0.0	1.8	1.8	1.2
26	18.0	27.2	22.5	78.7	0.0	.2	.2	5.3
27	18.2	25.3	21.6	86.7	.2	.1	.3	1.2
28	18.4	25.1	21.3	82.0	.4	.3	.7	2.9
29	17.4	20.5	18.5	91.3	7.1	0.0	7.1	.4
30	15.0	25.5	20.2	84.0	0.0	0.0	0.0	6.8
31	17.0	24.6	20.5	82.3	0.0	.5	.5	2.3
TOTAL PROMEDIO	17.3	25.4	20.8	83.5	36.6	40.5	77.1	93.4

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.8	24.8	19.1	88.0	8.8	0.0	8.8	5.3
2	14.5	25.5	20.2	80.0	0.0	0.0	0.0	7.3
3	15.6	25.8	21.0	79.0	0.0	0.0	0.0	6.0
4	16.5	25.4	20.9	84.3	.1	0.0	.1	1.7
5	17.4	27.5	22.4	78.7	0.0	0.0	0.0	6.3
6	18.0	29.2	23.1	73.3	0.0	0.0	0.0	6.9
7	17.0	27.4	22.2	77.0	0.0	0.0	0.0	3.1
8	17.5	24.0	20.4	85.0	0.0	0.0	0.0	0.0
9	17.2	23.6	20.0	89.0	.4	2.5	2.9	0.0
10	17.5	22.5	19.1	93.0	9.7	4.2	13.9	.4
11	17.3	24.6	20.6	83.7	0.0	0.0	0.0	2.5
12	17.4	26.4	21.2	79.3	0.0	0.0	0.0	3.6
13	16.2	25.1	20.5	82.3	0.0	0.0	0.0	2.1
14	16.5	25.5	21.3	80.0	0.0	.1	.1	4.0
15	16.6	27.2	20.5	81.0	.2	2.9	3.1	5.7
16	16.4	25.0	20.3	79.3	0.0	0.0	0.0	2.8
17	16.5	26.4	21.2	78.3	0.0	0.0	0.0	5.9
18	16.8	27.6	21.6	78.3	0.0	0.0	0.0	7.2
19	16.5	28.5	22.1	76.3	0.0	0.0	0.0	7.7
20	16.6	27.2	21.6	79.7	0.0	0.0	0.0	6.4
21	17.0	26.4	21.9	79.0	0.0	0.0	0.0	3.7
22	18.0	25.9	22.5	77.0	0.0	0.0	0.0	1.8
23	17.4	26.1	21.5	80.0	0.0	0.0	0.0	2.8
24	17.5	26.8	21.3	81.3	0.0	.8	.8	1.5
25	16.4	26.5	20.9	80.0	0.0	0.0	0.0	4.3
26	16.5	27.1	22.0	75.0	0.0	0.0	0.0	5.6
27	17.8	24.1	20.9	86.0	.2	0.0	.2	0.0
28	16.8	28.0	22.4	76.0	0.0	0.0	0.0	6.6
29	17.3	29.0	23.6	71.0	0.0	0.0	0.0	7.6
30	17.6	28.5	22.7	75.0	0.0	0.0	0.0	5.5
31								
TOTAL PROMEDIO	16.9	26.3	21.3	80.2	19.4	10.5	29.9	124.3

ESTACION: MANUEL M. MALLARINO DPTO: VALLE  
 AÑO : 1990 MPIO: TRUJILLO

LATITUD : 04° 13'N  
 LONGITUD: 76° 19'W  
 ALTITUD : 1380 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.5	27.5	22.3	76.0	0.0	0.0	0.0	4.4
2	17.6	27.0	22.1	78.0	0.0	0.0	0.0	4.9
3	17.3	25.8	21.6	78.7	0.0	0.0	0.0	3.8
4	17.5	25.0	19.9	85.3	2.9	1.2	4.1	2.8
5	17.0	24.2	19.3	88.0	.3	0.0	.3	1.6
6	14.9	25.8	20.4	82.0	.1	2.7	2.8	3.9
7	16.3	26.0	21.1	79.3	0.0	4.1	4.1	3.6
8	16.2	27.0	20.0	81.7	0.0	1.8	1.8	7.4
9	16.0	26.0	19.9	82.3	0.0	10.0	10.0	5.0
10	16.2	23.2	18.7	87.0	.1	.1	.2	1.5
11	16.8	26.0	20.2	83.0	0.0	0.0	0.0	4.5
12	17.0	25.2	21.4	81.0	0.0	0.0	0.0	4.2
13	16.3	26.5	21.8	76.0	0.0	0.0	0.0	5.3
14	17.0	26.8	21.1	78.0	0.0	0.0	0.0	4.0
15	16.2	26.0	20.7	79.7	0.0	0.0	0.0	4.4
16	16.4	24.4	20.7	79.7	0.0	0.0	0.0	3.1
17	16.5	24.3	20.1	84.0	0.0	0.0	0.0	2.9
18	16.0	25.4	20.7	77.3	0.0	13.5	13.5	3.9
19	15.5	25.0	19.4	81.0	1.8	0.0	1.8	5.5
20	15.0	26.4	21.0	77.7	0.0	11.1	11.1	7.9
21	16.0	26.0	20.1	82.0	.2	1.1	1.3	5.8
22	14.0	26.4	21.2	78.0	0.0	0.0	0.0	7.8
23	16.0	26.0	20.1	82.3	0.0	0.0	0.0	6.0
24	16.1	27.5	20.6	77.7	0.0	0.0	0.0	9.1
25	16.8	27.3	21.7	71.3	0.0	0.0	0.0	9.7
26	16.2	26.6	21.0	75.0	0.0	0.0	0.0	6.1
27	15.4	26.7	21.3	72.3	0.0	0.0	0.0	7.1
28	16.0	27.0	22.2	71.0	0.0	0.0	0.0	8.5
29	16.3	27.6	21.9	71.0	0.0	0.0	0.0	7.2
30	16.2	27.0	22.2	72.0	0.0	0.0	0.0	7.4
31	15.5	26.5	21.6	63.3	0.0	0.0	0.0	7.9
TOTAL PROMEDIO	16.2	26.1	20.8	78.4	5.4	45.6	51.0	167.2

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	15.0	28.5	22.1	67.3	0.0	0.0	0.0	9.7
2	16.8	26.6	21.8	76.3	0.0	0.0	0.0	4.9
3	16.2	27.0	21.7	76.0	0.0	0.0	0.0	6.4
4	17.5	26.9	22.7	68.7	0.0	0.0	0.0	4.7
5	16.0	27.2	21.4	71.3	0.0	0.0	0.0	5.7
6	15.9	28.8	22.6	71.3	0.0	0.0	0.0	7.4
7	17.2	27.8	21.5	75.0	0.0	0.0	0.0	4.5
8	16.8	27.9	21.8	74.7	0.0	0.0	0.0	3.5
9	17.3	28.2	22.1	74.7	0.0	0.0	0.0	7.1
10	17.2	27.0	22.1	80.0	0.0	0.0	0.0	2.6
11	16.0	27.4	22.8	72.0	0.0	0.0	0.0	7.6
12	15.8	28.0	21.7	69.7	0.0	0.0	0.0	7.6
13	17.0	26.8	20.6	78.7	0.0	0.0	0.0	1.7
14	16.8	24.8	19.2	86.7	3.8	0.0	3.8	.9
15	14.8	26.2	21.7	73.0	0.0	0.0	0.0	6.3
16	16.7	28.0	22.2	74.0	0.0	0.0	0.0	7.7
17	17.2	27.5	22.3	74.3	0.0	0.0	0.0	7.2
18	17.9	27.9	21.8	81.7	0.0	0.0	0.0	2.9
19	16.8	29.0	22.1	67.3	0.0	0.0	0.0	7.1
20	16.7	28.6	22.7	66.7	0.0	0.0	0.0	6.8
21	18.6	29.0	23.2	59.7	0.0	0.0	0.0	7.2
22	17.6	27.5	22.0	67.0	0.0	0.0	0.0	6.5
23	15.8	28.0	22.7	70.3	0.0	0.0	0.0	6.5
24	16.2	28.5	21.7	68.0	0.0	0.0	0.0	8.2
25	16.0	29.2	23.3	68.3	0.0	0.0	0.0	7.8
26	17.0	26.8	20.5	80.7	0.0	0.0	0.0	3.6
27	15.4	28.0	21.8	73.7	0.0	0.0	0.0	5.8
28	16.6	24.0	20.0	83.0	0.0	0.0	0.0	1.4
29	16.0	24.1	19.1	91.3	.2	0.0	.2	1.3
30	17.0	27.2	21.3	79.0	.4	.1	.5	4.3
31	16.6	27.0	21.1	77.3	0.0	0.0	0.0	6.0
TOTAL PROMEDIO	16.6	27.4	21.7	74.1	4.4	.1	4.5	170.9

ESTACION: MANUEL M. MALLARINO DPTO: VALLE  
 ANO : 1990 MPIO: TRUJILLO

LATITUD : 04° 13'N  
 LONGITUD: 76° 19'W  
 ALTITUD : 1380 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.8	27.0	22.1	74.3	0.0	27.0	27.0	4.2
2	16.4	27.5	21.2	77.0	0.0	0.0	0.0	4.7
3	15.8	27.0	21.0	78.7	0.0	0.0	0.0	4.9
4	16.8	28.5	22.1	82.3	0.0	0.0	0.0	6.6
5	16.9	30.0	22.4	71.0	0.0	0.0	0.0	8.0
6	17.8	26.8	21.6	74.3	0.0	0.0	0.0	2.4
7	16.8	28.4	22.0	72.7	0.0	0.0	0.0	5.8
8	17.0	27.5	22.5	74.7	0.0	0.0	0.0	4.3
9	16.8	27.8	21.6	75.7	0.0	0.0	0.0	4.2
10	16.0	27.9	21.7	75.3	0.0	1.2	1.2	3.5
11	17.2	27.0	21.6	75.7	0.0	.1	.1	5.6
12	17.5	27.2	20.3	82.7	5.0	5.2	10.2	3.5
13	15.4	28.0	22.2	70.7	0.0	0.0	0.0	7.4
14	17.0	24.8	19.2	89.3	1.6	0.0	1.6	1.6
15	15.2	27.0	22.3	71.3	0.0	0.0	0.0	5.5
16	16.9	27.8	21.9	70.7	0.0	0.0	0.0	4.5
17	15.0	28.0	23.9	68.7	0.0	0.0	0.0	7.3
18	17.0	29.0	23.1	72.3	0.0	1.8	1.8	6.5
19	17.2	28.5	22.5	71.7	0.0	1.5	1.5	5.2
20	17.0	28.0	22.0	74.3	0.0	2.3	2.3	6.0
21	17.2	27.2	21.7	74.0	0.0	4.4	4.4	4.9
22	16.6	23.0	20.4	82.3	.5	0.0	.5	1.0
23	16.0	24.8	20.1	82.3	35.0	0.0	35.0	2.5
24	15.6	28.0	21.2	76.0	.1	0.0	.1	5.8
25	16.5	26.0	20.9	81.0	0.0	0.0	0.0	4.6
26	16.0	27.8	20.7	82.7	1.5	.3	1.8	5.6
27	15.0	25.7	21.4	76.3	0.0	0.0	0.0	5.9
28	17.0	28.0	22.2	74.3	0.0	0.0	0.0	5.8
29	16.8	27.0	21.4	76.7	0.0	0.0	0.0	3.4
30	17.0	28.4	21.7	85.7	.1	47.2	47.3	4.3
31								
TOTAL PROMEDIO	16.5	27.3	21.6	76.5	43.8	91.0	134.8	145.5

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.8	25.0	19.5	86.7	8.6	4.3	12.9	3.0
2	17.0	22.4	19.5	91.0	5.5	0.0	5.5	0.0
3	16.6	26.2	21.0	78.0	0.0	0.0	0.0	.6
4	17.0	26.0	20.7	81.7	1.3	36.6	37.9	3.1
5	16.2	21.0	18.1	87.7	5.0	0.0	5.0	.1
6	15.2	26.0	20.0	86.3	0.0	0.0	0.0	5.5
7	17.5	24.8	19.6	86.0	4.1	3.4	7.5	1.6
8	16.6	25.5	21.1	81.7	0.0	0.0	0.0	2.8
9	17.0	25.4	21.0	82.7	0.0	.8	.8	3.5
10	16.2	22.3	19.8	87.0	.3	0.0	.3	1.7
11	16.4	25.2	19.5	86.3	.2	19.2	19.4	2.8
12	16.5	23.6	19.9	85.0	0.0	.4	.4	2.2
13	16.6	25.1	20.6	86.7	.1	1.2	1.3	4.5
14	17.6	24.8	20.7	83.7	.3	.6	.9	2.5
15	17.0	25.0	19.6	87.7	3.5	0.0	3.5	2.0
16	16.0	26.0	20.9	75.7	0.0	4.6	4.6	5.3
17	16.8	23.8	19.5	91.0	2.0	.6	2.6	3.8
18	16.0	26.0	21.6	78.3	0.0	18.6	18.6	4.2
19	17.0	23.8	19.5	86.0	0.0	36.5	36.5	.9
20	15.8	22.3	18.0	86.3	.7	0.0	.7	.3
21	16.0	24.1	19.3	78.7	.1	6.3	6.4	3.5
22	17.0	21.0	19.0	92.7	9.5	0.0	9.5	0.0
23	15.9	23.9	19.4	89.7	0.0	11.2	11.2	.8
24	16.0	22.4	18.9	90.3	3.5	0.0	3.5	1.1
25	15.8	26.0	20.4	79.0	0.0	1.0	1.0	5.2
26	16.2	24.0	19.2	83.7	0.0	0.0	0.0	2.3
27	15.2	26.2	20.3	78.0	0.0	.8	.8	6.5
28	15.7	25.0	19.8	83.0	1.1	0.0	1.1	3.2
29	15.8	24.8	19.8	84.0	.1	0.0	.1	1.8
30	17.0	25.7	20.7	76.3	0.0	.2	.2	4.9
31	17.2	26.2	20.7	78.3	.5	18.5	19.0	4.0
TOTAL PROMEDIO	16.4	24.5	19.9	84.2	46.4	164.8	211.2	83.7

ESTACION: MANUEL M. MALLARINO DPTO: VALLE  
 AÑO : 1990 MPIO: TRUJILLO

LATITUD : 04° 13'N  
 LONGITUD : 76° 19'W  
 ALTITUD : 1380 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	25.5	20.1	78.3	0.0	0.0	0.0	2.8
2	15.8	25.6	18.9	89.3	2.8	0.0	2.8	3.0
3	16.0	24.6	20.5	78.7	.5	4.7	5.2	1.1
4	16.7	22.8	18.1	86.3	.8	0.0	.8	.2
5	15.0	25.0	18.8	87.0	12.4	0.0	12.4	3.6
6	15.8	26.4	19.8	83.0	0.0	0.0	0.0	4.2
7	16.0	26.0	20.8	77.3	0.0	0.0	0.0	5.1
8	15.8	27.2	21.4	79.0	0.0	0.0	0.0	5.2
9	17.6	25.1	20.6	81.0	0.0	.2	.2	1.8
10	16.9	25.5	20.4	81.3	0.0	0.0	0.0	2.0
11	15.8	27.0	20.5	76.0	0.0	0.0	0.0	7.6
12	16.0	26.2	20.9	78.0	0.0	0.0	0.0	5.3
13	16.8	28.0	21.1	76.3	0.0	0.0	0.0	5.3
14	16.7	27.8	22.0	76.3	0.0	0.0	0.0	6.4
15	17.0	27.5	21.8	80.7	0.0	0.0	0.0	5.1
16	16.8	27.0	21.5	77.3	.4	2.0	2.4	5.1
17	16.6	25.0	19.9	79.7	0.0	0.0	0.0	2.0
18	16.7	23.0	19.4	84.3	1.9	0.0	1.9	.1
19	16.0	26.2	21.0	78.0	0.0	0.0	0.0	1.7
20	17.0	27.1	20.9	81.7	9.6	2.2	11.8	4.4
21	16.0	18.4	16.7	94.3	3.6	0.0	3.6	.3
22	13.8	20.2	17.7	86.7	0.0	0.0	0.0	1.4
23	15.8	23.8	19.1	81.7	1.1	23.2	24.3	2.0
24	16.0	21.6	18.9	91.0	1.4	0.0	1.4	.1
25	15.0	26.5	19.8	79.7	0.0	0.0	0.0	7.3
26	16.1	26.0	20.0	81.0	0.0	0.0	0.0	4.4
27	16.3	26.8	21.2	72.7	0.0	0.0	0.0	5.6
28	17.8	25.8	19.5	80.3	0.0	0.0	0.0	1.9
29	16.8	26.0	19.2	81.3	.3	0.0	.3	3.2
30	17.0	25.8	20.9	75.3	0.0	0.0	0.0	2.4
31								
TOTAL	----	----	----	----	----	----	----	----
PROMEDIO	16.3	25.3	20.0	81.1	34.8	32.3	67.1	100.6

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.9	25.4	21.3	77.3	0.0	.2	.2	2.4
2	17.0	24.8	19.9	80.3	12.7	.8	13.5	2.7
3	16.8	24.5	19.9	83.3	0.0	1.2	1.2	1.4
4	16.7	26.2	20.3	79.3	0.0	19.3	19.3	3.4
5	15.8	19.1	17.4	94.3	5.9	3.2	9.1	0.0
6	14.8	23.0	18.2	90.7	.1	0.0	.1	.9
7	14.9	26.2	20.0	78.0	0.0	0.0	0.0	5.6
8	14.7	23.5	17.8	92.0	5.6	.8	6.4	3.5
9	15.0	24.6	19.1	79.0	0.0	0.0	0.0	5.2
10	14.8	26.8	20.4	72.7	0.0	0.0	0.0	8.2
11	16.8	26.4	19.7	80.3	0.0	0.0	0.0	5.4
12	15.0	25.2	19.3	78.3	0.0	0.0	0.0	5.1
13	15.7	25.8	20.0	78.3	0.0	0.0	0.0	5.8
14	15.4	26.6	21.8	77.7	.1	0.0	.1	5.6
15	16.0	27.4	21.5	75.7	0.0	0.0	0.0	8.5
16	16.6	28.4	21.9	74.7	0.0	0.0	0.0	7.1
17	16.5	26.9	21.1	73.7	0.0	0.0	0.0	6.9
18	16.8	28.0	21.8	74.3	0.0	0.0	0.0	6.6
19	17.0	24.2	19.8	83.7	0.0	0.0	0.0	.2
20	17.2	28.5	22.3	73.7	0.0	0.0	0.0	6.3
21	16.8	27.0	21.0	76.3	0.0	0.0	0.0	2.3
22	16.9	22.3	18.6	89.7	1.8	0.0	1.8	0.0
23	15.2	26.4	20.3	77.3	0.0	21.5	21.5	4.5
24	16.7	22.5	19.0	88.0	9.5	0.0	9.5	.4
25	16.8	25.8	21.0	77.7	0.0	.7	.7	3.1
26	16.4	26.2	20.5	80.7	0.0	.9	.9	2.7
27	17.4	23.2	19.7	88.0	0.0	5.8	5.8	1.2
28	15.8	25.0	19.0	85.3	1.0	0.0	1.0	1.4
29	16.0	25.8	19.2	84.3	1.1	.5	1.6	3.7
30	15.8	24.3	19.2	83.3	0.0	0.0	0.0	3.0
31	15.7	23.8	18.8	85.7	1.8	.2	2.0	.9
TOTAL	----	----	----	----	----	----	----	----
PROMEDIO	16.1	25.3	20.0	81.1	39.6	55.1	94.7	114.0



ESTACION: MANUEL M. MALLARINO DPTO: VALLE  
 AÑO : 1990 MPIO: TRUJILLO

LATITUD : 04° 13'N  
 LONGITUD: 76° 19'W  
 ALTITUD : 1380 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	BRILLO SOL(h)
ENERO	16.8	26.2	20.6	15.1	30.2	82.0	83.3	13	119.7
FEBRERO	16.9	25.5	20.4	14.8	28.2	82.3	205.5	11	72.0
MARZO	16.9	26.0	20.7	14.0	29.7	82.0	130.0	13	112.3
ABRIL	17.3	25.5	21.0	14.3	28.6	82.4	111.0	20	102.3
MAYO	17.3	25.4	20.8	15.0	28.2	83.5	77.1	14	93.4
JUNIO	16.9	26.3	21.3	14.5	29.2	80.2	29.9	8	124.3
JULIO	16.2	26.1	20.8	14.0	27.6	78.4	51.0	11	167.2
AGOSTO	16.6	27.4	21.7	14.8	29.2	74.1	4.5	3	170.9
SEPTIEMBRE	16.5	27.3	21.6	15.0	30.0	76.5	134.8	14	145.5
OCTUBRE	16.4	24.5	19.9	15.2	26.2	84.2	211.2	27	83.7
NOVIEMBRE	16.3	25.3	20.0	13.8	28.0	81.1	67.1	12	100.6
DICIEMBRE	16.1	25.3	20.0	14.7	28.5	81.1	94.7	17	114.0
PROMEDIO	16.7	25.9	20.7			80.6			
ABSOLUTA				13.8	30.2				
TOTAL							1200.1	163	1405.9

ESTACION: JULIO FERNANDEZ

DPTO: VALLE

LATITUD : 03° 48'N

AÑO : 1990

MPIO: RESTREPO

LONGITUD: 76° 32'W  
ALTITUD : 1360 m.

ENERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	14.6	24.7	18.8	82.0	0.0	.5	.5	5.4
2	16.8	24.9	19.3	83.0	0.0	0.0	0.0	5.5
3	15.6	26.2	20.1	82.3	0.0	0.0	0.0	7.2
4	17.0	25.3	19.7	84.7	.6	23.0	23.6	5.9
5	15.8	23.7	19.1	82.7	0.0	1.6	1.6	0.0
6	16.9	25.0	19.5	84.3	0.0	.8	.8	4.0
7	17.1	21.6	18.4	91.7	14.6	4.8	19.4	1.9
8	17.0	23.8	18.3	89.7	6.3	0.0	6.3	.6
9	16.0	25.0	19.1	83.0	0.0	1.5	1.5	4.4
10	17.1	25.1	19.8	82.3	0.0	0.0	0.0	5.2
11	17.0	25.4	19.6	81.3	0.0	23.7	23.7	4.1
12	16.7	20.0	18.0	90.0	6.1	0.0	6.1	0.0
13	15.4	24.2	18.7	83.3	.1	.2	.3	4.6
14	16.8	24.0	19.1	86.0	0.0	.3	.3	4.9
15	17.0	25.2	20.2	83.3	0.0	0.0	0.0	7.0
16	17.1	26.8	20.2	81.3	0.0	18.1	18.1	5.9
17	17.8	26.2	20.7	82.7	0.0	0.0	0.0	8.0
18	17.4	26.4	20.9	83.0	0.0	.3	.3	6.7
19	17.6	25.8	20.2	83.7	0.0	.4	.4	3.2
20	15.7	26.4	19.8	83.3	0.0	0.0	0.0	8.0
21	15.8	26.0	20.6	82.7	0.0	23.3	23.3	7.4
22	17.0	25.8	21.3	80.3	0.0	0.0	0.0	4.0
23	17.1	28.2	21.3	79.7	0.0	0.0	0.0	8.3
24	18.5	28.0	21.5	79.3	0.0	.2	.2	8.9
25	17.8	27.5	21.8	79.7	0.0	10.0	10.0	7.5
26	17.5	22.7	19.1	83.3	0.0	.6	.6	0.0
27	16.8	28.2	21.1	78.7	0.0	0.0	0.0	7.1
28	15.8	26.1	20.5	83.0	0.0	0.0	0.0	9.3
29	18.2	26.8	21.2	83.7	0.0	0.0	0.0	6.9
30	17.8	28.1	21.9	80.7	0.0	0.0	0.0	6.6
31	18.8	26.3	21.3	81.7	0.0	0.0	0.0	5.1
TOTAL PROMEDIO	16.9	25.5	20.0	83.1	27.7	109.3	137.0	163.6

FEBRERO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	18.0	27.0	21.3	82.7	0.0	0.0	0.0	4.6
2	17.8	25.5	20.1	84.3	0.0	0.0	0.0	3.7
3	16.0	24.5	19.7	82.3	0.0	0.0	0.0	.5
4	17.8	25.8	20.3	83.3	0.0	5.9	5.9	4.2
5	17.2	24.0	19.1	86.3	23.0	9.5	32.5	1.5
6	16.6	26.1	20.3	80.0	0.0	0.0	0.0	1.9
7	17.0	28.2	20.8	78.7	0.0	0.0	0.0	6.9
8	18.4	26.4	21.3	80.7	0.0	3.8	3.8	6.5
9	17.8	25.4	20.5	82.0	0.0	0.0	0.0	2.8
10	16.7	26.1	20.7	81.7	0.0	0.0	0.0	6.3
11	18.0	24.8	20.1	81.0	0.0	0.0	0.0	4.7
12	16.0	26.0	20.0	80.7	0.0	0.0	0.0	3.5
13	18.0	25.9	20.5	82.0	.3	0.0	.3	1.4
14	17.4	26.9	20.2	83.0	0.0	0.0	0.0	7.6
15	17.8	25.3	20.3	80.7	.1	0.0	.1	6.9
16	17.0	25.7	20.4	82.3	0.0	.6	.6	4.9
17	17.3	25.3	19.7	84.7	0.0	0.0	0.0	5.2
18	17.0	24.2	19.3	82.3	0.0	0.0	0.0	3.3
19	15.5	25.4	18.7	83.0	0.0	.7	.7	4.7
20	15.1	26.8	19.4	80.7	0.0	0.0	0.0	4.6
21	15.7	26.1	20.0	80.0	0.0	24.5	24.5	4.5
22	17.2	24.0	18.9	88.3	13.3	0.0	13.3	2.4
23	13.9	24.2	19.2	87.7	0.0	0.0	0.0	.4
24	16.5	21.2	18.3	88.0	0.0	0.0	0.0	0.0
25	16.7	22.2	18.1	85.3	7.1	0.0	7.1	0.0
26	15.8	24.8	20.1	78.3	0.0	0.0	0.0	3.3
27	16.7	24.1	19.3	82.7	0.0	0.0	0.0	3.0
28	14.4	25.2	19.3	78.7	0.0	0.0	0.0	3.3
29								
30								
31								
TOTAL PROMEDIO	16.8	25.3	19.8	82.5	43.8	45.0	88.8	102.6

ESTACION: JULIO FERNANDEZ

DPTO: VALLE

LATITUD : 03° 48'N

AÑO : 1990

MPIO: RESTREPO

LONGITUD: 76° 32'W

ALTITUD : 1360 m.

MARZO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	24.2	19.0	79.7	0.0	0.0	0.0	.3
2	14.0	25.2	19.4	81.0	0.0	12.1	12.1	6.1
3	16.1	23.4	19.0	78.7	0.0	0.0	0.0	3.7
4	13.2	24.0	18.8	77.7	0.0	0.0	0.0	.4
5	14.8	25.0	19.4	80.0	0.0	0.0	0.0	1.5
6	15.2	26.3	20.3	79.0	0.0	0.0	0.0	3.6
7	16.8	25.9	20.0	83.0	0.0	0.0	0.0	1.6
8	17.8	27.1	20.7	80.3	0.0	0.0	0.0	5.9
9	18.2	26.0	21.2	79.3	0.0	0.0	0.0	4.3
10	18.9	26.2	21.4	82.7	0.0	0.0	0.0	2.9
11	18.7	24.9	19.8	92.7	6.6	0.0	6.6	.3
12	16.6	28.0	21.6	76.7	0.0	2.2	2.2	7.7
13	19.0	28.2	22.0	79.3	0.0	0.0	0.0	5.9
14	18.6	27.0	21.5	83.3	0.0	0.0	0.0	.8
15	16.5	25.6	20.9	82.0	0.0	2.2	2.2	1.6
16	16.2	28.1	21.4	78.7	1.1	0.0	1.1	4.7
17	17.8	27.0	21.1	81.3	0.0	3.2	3.2	7.5
18	18.0	23.1	19.8	86.7	.6	1.3	1.9	.2
19	16.4	26.8	20.3	86.7	0.0	17.6	17.6	5.4
20	18.4	26.5	21.4	84.0	1.6	1.9	3.5	5.1
21	18.6	22.1	19.1	89.7	.3	1.2	1.5	.2
22	17.4	26.4	20.8	83.3	0.0	4.8	4.8	6.0
23	18.0	23.2	19.9	89.7	.9	.2	1.1	.7
24	17.6	26.5	20.4	83.7	0.0	0.0	0.0	3.5
25	17.0	25.8	19.9	82.3	1.2	.9	2.1	3.4
26	17.2	25.2	19.7	83.0	14.0	.6	14.6	.3
27	15.4	26.0	20.0	80.7	0.0	0.0	0.0	5.4
28	16.8	26.2	20.4	81.3	0.0	0.0	0.0	7.1
29	17.8	26.0	20.6	82.7	0.0	0.0	0.0	6.2
30	18.0	26.2	20.6	82.0	0.0	0.0	0.0	7.1
31	18.3	25.6	20.7	81.0	0.0	30.4	30.4	5.2
TOTAL PROMEDIO	17.1	25.7	20.3	82.3	26.3	78.6	104.9	114.6

ABRIL	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.0	22.3	18.5	87.7	.8	.1	.9	.3
2	14.5	26.3	19.8	80.0	0.0	0.0	0.0	7.5
3	17.4	26.0	20.1	81.3	0.0	0.0	0.0	4.8
4	18.0	25.2	20.1	80.3	0.0	9.5	9.5	4.2
5	16.9	24.8	20.1	83.7	0.0	0.0	0.0	4.3
6	18.0	24.7	20.1	82.7	0.0	0.0	0.0	3.3
7	17.4	26.1	20.9	81.7	0.0	0.0	0.0	5.9
8	18.8	25.8	21.0	84.7	.3	0.0	.3	3.3
9	17.0	27.0	21.3	82.3	0.0	0.0	0.0	8.2
10	19.2	26.2	21.3	82.3	0.0	0.0	0.0	6.7
11	18.6	26.5	21.3	81.3	0.0	0.0	0.0	8.0
12	18.8	27.0	21.0	84.0	0.0	0.0	0.0	5.5
13	18.2	26.1	21.0	81.7	0.0	0.0	0.0	6.2
14	18.0	25.5	21.0	81.7	0.0	.5	.5	3.3
15	17.0	26.3	20.4	85.3	7.2	23.8	31.0	
16	17.1	23.2	19.5	85.3	1.2	0.0	1.2	.1
17	16.2	26.1	20.4	82.0	0.0	0.0	0.0	7.7
18	17.4	26.0	20.8	81.3	0.0	1.8	1.8	7.6
19	17.2	26.2	20.4	82.0	0.0	0.0	0.0	5.0
20	17.4	26.0	20.8	82.0	0.0	2.7	2.7	3.5
21	17.6	25.0	20.1	86.0	5.1	0.0	5.1	1.2
22	18.0	25.2	20.9	84.0	0.0	0.0	0.0	2.7
23	18.1	23.1	19.7	87.3	.2	3.9	4.1	0.0
24	17.1	24.1	19.3	85.7	0.0	0.0	0.0	.3
25	17.6	23.8	19.4	84.7	3.2	0.0	3.2	.8
26	16.8	26.8	20.5	81.7	20.7	17.1	37.8	3.1
27	17.6	24.9	19.1	85.3	6.9	0.0	6.9	2.3
28	17.1	24.0	19.7	83.7	8.7	.2	8.9	.7
29	16.2	26.1	19.9	86.0	0.0	0.0	0.0	1.7
30	16.7	26.2	20.5	81.3	1.0	.6	1.6	1.4
31								
TOTAL PROMEDIO	17.4	25.4	20.3	83.3	55.3	60.2	115.5	

ESTACION: JULIO FERNANDEZ

DPTO: VALLE

LATITUD : 03° 48'N

AÑO : 1990

MPIO: RESTREPO

LONGITUD: 76° 32'W

ALTITUD : 1360 m.

MAYO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.6	26.2	20.6	79.3	.6	.2	.8	2.2
2	16.4	27.6	21.0	79.0	0.0	.1	.1	3.8
3	17.5	25.4	19.8	84.7	2.5	0.0	2.5	.9
4	16.0	24.4	19.0	92.3	5.7	.2	5.9	1.8
5	17.5	24.9	19.5	89.0	1.1	.6	1.7	3.2
6	17.2	25.4	20.6	82.7	0.0	.2	.2	.2
7	17.0	26.5	20.9	80.7	0.0	1.5	1.5	4.9
8	18.0	25.5	21.0	84.0	0.0	0.0	0.0	2.5
9	18.1	25.6	20.2	84.7	0.0	8.6	8.6	5.0
10	17.4	25.2	20.0	83.3	0.0	.1	.1	6.8
11	16.7	25.0	19.7	83.0	3.4	.5	3.9	3.4
12	16.8	25.1	20.2	83.3	9.1	17.2	26.3	1.2
13	17.8	24.0	19.9	86.0	0.0	0.0	0.0	2.7
14	17.5	25.0	20.0	83.3	.2	0.0	.2	3.9
15	16.2	27.2	20.6	79.3	0.0	0.0	0.0	5.1
16	18.2	27.3	21.4	81.0	0.0	0.0	0.0	7.1
17	19.4	24.8	20.8	84.3	0.0	0.0	0.0	.5
18	18.5	25.0	20.8	83.3	0.0	0.0	0.0	2.8
19	18.8	28.1	21.9	79.0	0.0	0.0	0.0	3.4
20	19.0	25.7	21.1	82.0	0.0	0.0	0.0	0.0
21	17.6	25.5	20.5	86.0	0.0	.1	.1	.5
22	18.5	27.0	21.3	82.3	.1	.6	.7	2.5
23	18.1	25.5	20.9	83.0	0.0	6.1	6.1	5.0
24	16.8	25.1	19.7	88.7	28.4	3.0	31.4	2.9
25	17.6	25.3	20.7	83.7	.4	0.0	.4	3.6
26	18.2	25.4	20.3	82.7	0.0	0.0	0.0	5.4
27	18.0	24.5	19.7	86.3	0.0	0.0	0.0	2.6
28	17.2	24.2	20.0	85.3	2.7	0.0	2.7	5.1
29	18.0	24.7	20.4	83.3	.1	0.0	.1	1.6
30	14.8	26.3	20.3	79.3	.1	.7	.8	3.8
31	17.8	24.5	20.3	80.0	0.0	0.0	0.0	3.2
TOTAL PROMEDIO	17.5	25.5	20.4	83.4	54.4	39.7	94.1	97.6

JUNIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.5	25.0	19.7	83.7	0.0	0.0	0.0	5.0
2	15.8	27.4	20.6	78.7	0.0	0.0	0.0	6.4
3	18.0	26.0	20.8	80.0	9.9	0.0	9.9	4.4
4	18.2	25.2	20.9	80.7	0.0	0.0	0.0	4.9
5	18.4	28.4	21.7	80.3	0.0	0.0	0.0	6.6
6	18.8	28.0	21.8	79.7	0.0	0.0	0.0	8.1
7	18.9	27.4	21.9	80.0	0.0	0.0	0.0	6.8
8	17.4	24.2	20.8	83.3	0.0	0.0	0.0	0.0
9	17.8	22.9	19.7	86.0	0.0	.1	.1	0.0
10	17.6	22.1	18.8	93.0	15.1	.3	15.4	1.3
11	16.8	25.7	20.6	81.3	0.0	1	.1	3.7
12	16.9	27.1	21.2	79.3	0.0	0.0	0.0	3.3
13	16.5	26.2	19.7	82.3	.2	0.0	.2	2.9
14	15.5	25.6	19.7	82.7	0.0	2.5	2.5	3.2
15	17.0	26.4	20.3	83.3	.1	1.9	2.0	3.8
16	16.0	25.5	20.0	81.7	0.0	0.0	0.0	2.0
17	17.6	25.4	20.2	84.0	1.1	0.0	1.1	3.6
18	17.0	26.0	20.8	80.7	0.0	0.0	0.0	6.9
19	18.4	27.0	21.4	82.0	0.0	0.0	0.0	6.9
20	18.6	27.4	21.4	81.0	0.0	0.0	0.0	5.7
21	18.2	26.2	21.5	78.3	0.0	0.0	0.0	5.6
22	18.4	25.8	21.2	80.3	0.0	0.0	0.0	1.6
23	17.0	25.4	20.9	83.0	0.0	0.0	0.0	3.4
24	17.4	25.2	20.0	81.7	0.0	.2	.2	1.5
25	17.2	26.2	20.8	78.7	2.9	0.0	2.9	4.8
26	18.0	26.0	20.8	80.0	0.0	0.0	0.0	6.6
27	17.5	24.1	20.3	85.3	0.0	0.0	0.0	0.0
28	16.9	28.2	21.5	77.0	0.0	0.0	0.0	7.3
29	18.0	27.0	21.4	79.3	0.0	0.0	0.0	8.2
30	17.8	27.8	21.3	77.0	0.0	0.0	0.0	6.2
31								
TOTAL PROMEDIO	17.5	26.0	20.7	81.5	29.3	5.1	34.4	130.7

ESTACION: JULIO FERNANDEZ

DPTO: VALLE

LATITUD : 03° 48'N

ANO : 1990

MPIO: RESTREPO

LONGITUD: 76° 32'W

ALTITUD : 1360 m.

JULIO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.2	25.5	20.6	82.7	11.5	0.0	11.5	3.1
2	16.2	27.2	21.1	79.7	7.4	.2	7.6	4.3
3	17.0	26.0	20.3	81.3	0.0	12.9	12.9	5.1
4	17.6	24.1	19.7	86.0	.1	0.0	.1	2.7
5	17.5	24.4	19.6	83.0	2.5	0.0	2.5	2.1
6	14.6	25.7	19.3	82.3	0.0	.1	.1	5.7
7	17.5	25.0	20.1	83.7	0.0	.3	.3	3.8
8	16.8	27.2	20.3	80.0	11.8	3.0	14.8	6.5
9	16.6	24.7	19.2	80.3	0.0	1.3	1.3	3.6
10	15.0	25.4	19.1	80.3	.4	0.0	.4	1.7
11	15.9	24.0	19.6	81.7	19.1	0.0	19.1	4.9
12	16.2	26.1	20.5	80.7	0.0	0.0	0.0	2.8
13	15.9	27.4	20.0	79.0	.1	0.0	.1	6.4
14	16.1	24.3	19.6	82.0	0.0	0.0	0.0	
15	16.2	24.7	19.1	82.7	0.0	0.0	0.0	
16	16.0	24.4	19.4	79.7	0.0	1.5	1.5	4.0
17	16.9	24.0	19.0	82.3	21.8	6.7	28.5	3.3
18	13.5	24.8	19.0	82.0	0.0	0.0	0.0	5.4
19	14.9	27.0	19.8	80.3	.3	0.0	.3	6.3
20	15.8	25.3	19.2	81.3	3.7	0.0	3.7	4.7
21	14.7	26.1	19.3	80.7	0.0	0.0	0.0	5.6
22	14.8	26.8	20.0	78.7	.5	7.3	7.8	
23	15.6	25.0	19.5	83.3	0.0	0.0	0.0	5.7
24	16.0	26.8	20.2	79.7	0.0	0.0	0.0	8.5
25	17.2	27.5	21.2	78.7	0.0	0.0	0.0	9.4
26	17.8	25.4	19.8	80.3	0.0	0.0	0.0	3.8
27	15.0	25.1	19.4	82.3	0.0	0.0	0.0	5.7
28	15.1	27.6	20.6	76.0	0.0	0.0	0.0	6.0
29	16.7	27.5	21.1	77.0	0.0	0.0	0.0	4.9
30	14.8	28.2	20.8	74.3	.1	0.0	.1	6.9
31	14.2	27.4	20.1	77.7	0.0	0.0	0.0	6.1
TOTAL PROMEDIO	16.0	25.8	19.9	80.6	79.3	33.3	112.6	

AGOSTO	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	13.2	26.9	20.3	78.3	0.0	0.0	0.0	8.4
2	15.8	25.3	19.6	82.0	0.0	0.0	0.0	5.7
3	17.8	27.1	20.2	81.0	.4	0.0	.4	4.6
4	17.4	25.1	20.0	84.3	2.0	0.0	2.0	3.3
5	17.0	25.6	20.6	80.3	0.0	0.0	0.0	6.7
6	16.0	27.6	20.8	82.3	0.0	0.0	0.0	7.5
7	16.3	25.6	20.3	82.0	0.0	0.0	0.0	6.0
8	17.4	26.1	20.4	82.3	0.0	2.2	2.2	6.5
9	17.5	26.3	20.1	82.7	0.0	0.0	0.0	6.6
10	17.8	25.8	20.2	80.0	0.0	0.0	0.0	3.6
11	17.3	27.5	20.3	81.7	4.8	0.0	4.8	6.8
12	15.8	26.0	19.4	83.7	0.0	0.0	0.0	5.1
13	16.0	26.1	19.8	78.3	0.0	0.0	0.0	5.1
14	17.2	21.4	18.1	89.7	1.3	0.0	1.3	.2
15	12.8	26.2	19.6	79.7	0.0	2.2	2.2	8.8
16	16.9	27.1	20.5	80.7	0.0	0.0	0.0	6.5
17	17.1	26.8	20.8	81.7	0.0	0.0	0.0	4.8
18	18.5	26.0	20.6	82.7	0.0	0.0	0.0	3.6
19	17.9	27.1	20.5	81.3	0.0	0.0	0.0	5.7
20	17.8	26.9	20.2	81.7	0.0	0.0	0.0	5.2
21	18.0	27.0	20.4	80.0	0.0	0.0	0.0	7.9
22	17.4	26.0	19.9	79.3	0.0	0.0	0.0	6.9
23	16.0	25.0	19.5	81.3	0.0	0.0	0.0	6.4
24	13.6	26.7	19.3	80.0	0.0	0.0	0.0	6.9
25	15.6	28.4	20.7	74.0	0.0	20.1	20.1	6.8
26	15.0	24.2	18.9	83.3	0.0	0.0	0.0	3.7
27	15.1	26.1	19.7	83.0	0.0	16.8	16.8	5.4
28	17.0	25.1	19.7	79.3	.1	.6	.7	1.6
29	15.6	26.4	19.3	82.0	1.4	0.0	1.4	2.4
30	17.1	25.0	19.9	83.7	0.0	0.0	0.0	4.3
31	15.7	26.0	20.2	79.3	0.0	0.0	0.0	5.2
TOTAL PROMEDIO	16.4	26.1	20.0	81.3	10.0	41.9	51.9	168.2

ESTACION: JULIO FERNANDEZ

DPTO: VALLE

LATITUD : 03° 48'N

AÑO : 1990

MPIO: RESTREPO

LONGITUD: 76° 32'W

ALTITUD : 1360 m.

SEPTIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	16.2	25.4	20.1	80.0	0.0	0.0	0.0	4.4
2	17.3	25.0	19.6	82.0	0.0	0.0	0.0	3.4
3	16.4	25.6	20.1	81.3	5.1	0.0	5.1	4.8
4	16.5	26.7	20.4	83.0	0.0	0.0	0.0	7.1
5	18.2	26.8	21.0	80.7	0.0	0.0	0.0	7.4
6	17.2	26.1	20.1	82.0	0.0	1.1	1.1	5.3
7	17.8	26.4	20.0	83.3	5.9	0.0	5.9	6.7
8	16.8	25.7	20.0	82.0	0.0	1.9	1.9	4.9
9	17.2	25.4	19.9	84.3	11.6	0.0	11.6	2.0
10	17.0	25.0	20.1	80.0	0.0	31.8	31.8	5.3
11	17.1	25.2	20.2	80.3	1.9	.4	2.3	6.1
12	17.8	26.2	19.2	86.7	0.0	2.1	2.1	5.8
13	16.0	25.5	18.8	88.3	5.9	6.2	12.1	5.7
14	16.9	23.2	18.6	92.7	5.7	0.0	5.7	4.5
15	14.2	27.5	20.3	81.3	0.0	0.0	0.0	7.0
16	17.8	25.3	20.7	76.7	0.0	0.0	0.0	5.0
17	17.0	25.8	20.4	80.7	0.0	0.0	0.0	7.4
18	18.2	27.5	21.0	81.7	0.0	3.2	3.2	7.8
19	16.8	27.0	20.1	83.3	0.0	0.0	0.0	7.4
20	16.2	27.2	20.1	81.7	0.0	6.7	6.7	5.8
21	16.4	26.0	19.9	78.7	0.0	3.8	3.8	6.5
22	16.0	24.0	17.5	93.3	11.3	0.0	11.3	3.1
23	16.1	23.9	18.3	83.7	0.0	0.0	0.0	3.8
24	14.8	25.7	20.5	81.7	0.0	0.0	0.0	7.8
25	18.0	24.7	20.1	80.7	0.0	0.0	0.0	2.9
26	17.1	26.2	20.5	80.3	0.0	1.0	1.0	4.4
27	17.0	25.2	19.3	85.0	0.0	0.0	0.0	3.4
28	17.4	26.2	19.8	82.7	0.0	0.0	0.0	5.8
29	17.8	27.0	20.3	83.7	0.0	0.0	0.0	3.2
30	17.5	26.1	20.1	87.7	1.5	0.0	1.5	5.1
31								
TOTAL PROMEDIO	16.9	25.8	19.9	83.0	48.9	58.2	107.1	159.8

OCTUBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	25.0	19.5	84.3	0.0	0.0	0.0	2.7
2	17.1	24.5	18.7	89.0	1.7	0.0	1.7	2.9
3	15.8	25.8	20.4	81.7	0.0	0.0	0.0	6.5
4	17.2	26.0	20.4	81.3	0.0	5.4	5.4	4.3
5	16.8	22.3	18.4	87.0	5.1	0.0	5.1	0.0
6	14.0	24.7	19.2	80.7	0.0	.6	.6	6.6
7	16.9	21.8	18.4	89.3	2.0	0.0	2.0	2.1
8	17.0	25.9	20.2	80.0	.1	2.2	2.3	3.9
9	16.0	26.0	20.0	82.7	7.6	.7	8.3	4.5
10	16.9	23.7	19.2	77.7	0.0	0.0	0.0	2.1
11	15.8	24.0	19.0	87.0	3.5	6.8	10.3	2.0
12	16.9	25.3	19.8	84.7	11.6	0.0	11.6	1.8
13	16.8	23.2	19.4	88.7	4.3	0.0	4.3	2.0
14	17.2	25.0	20.4	79.7	0.0	0.0	0.0	3.5
15	16.2	24.8	18.9	84.7	.6	0.0	.6	2.8
16	15.1	25.4	20.0	80.0	0.0	6.0	6.0	5.4
17	17.0	24.4	19.9	79.7	0.0	0.0	0.0	6.0
18	16.9	26.2	20.5	77.0	8.7	1.6	10.3	5.8
19	17.0	25.0	20.2	76.7	0.0	10.0	10.0	4.3
20	16.9	23.9	18.9	83.0	2.7	0.0	2.7	.4
21	15.8	25.5	19.8	83.3	0.0	1.0	1.0	5.1
22	17.1	21.2	17.7	88.3	5.3	0.0	5.3	.2
23	16.0	25.7	19.4	82.0	0.0	0.0	0.0	3.6
24	16.8	23.0	18.2	86.3	.6	0.0	.6	.3
25	15.4	25.2	19.6	79.7	0.0	2.5	2.5	8.0
26	16.9	22.1	18.3	84.7	1.8	0.0	1.8	.1
27	13.0	25.1	19.5	84.0	0.0	1.2	1.2	8.3
28	17.4	24.9	19.7	83.3	0.0	0.0	0.0	4.7
29	17.1	22.1	18.9	86.0	13.2	0.0	13.2	.5
30	16.8	26.0	20.1	80.3	0.0	0.0	0.0	8.5
31	15.9	26.4	20.0	80.7	0.0	3.4	3.4	6.9
TOTAL PROMEDIO	16.4	24.5	19.4	83.0	68.8	41.4	110.2	115.8

ESTACION: JULIO FERNANDEZ

DPTO: VALLE

LATITUD : 03° 48'N

ANO : 1990

MPIO: RESTREPO

LONGITUD: 76° 32'W

ALTITUD : 1360 m.

NOVIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.0	26.0	20.7	76.3	0.0	0.0	0.0	2.9
2	16.8	23.8	19.1	85.0	0.0	0.0	0.0	.6
3	17.0	25.0	19.5	83.0	.3	27.1	27.4	3.3
4	16.9	24.2	19.4	82.3	0.0	0.0	0.0	2.1
5	16.8	25.0	19.5	83.3	1.9	0.0	1.9	4.3
6	17.0	26.2	20.6	78.7	0.0	0.0	0.0	4.7
7	17.8	25.2	20.5	81.3	0.0	0.0	0.0	7.8
8	16.5	26.2	20.3	83.0	0.0	5.6	5.6	6.7
9	17.4	24.2	19.8	87.0	.8	0.0	.8	3.6
10	17.0	24.0	19.5	87.0	.8	0.0	.8	1.2
11	16.8	25.5	20.5	77.3	0.0	0.0	0.0	6.2
12	17.6	26.1	20.1	88.0	3.2	0.0	3.2	4.1
13	18.0	26.2	21.0	81.0	0.0	0.0	0.0	6.6
14	18.4	26.0	21.3	80.0	0.0	0.0	0.0	8.1
15	18.5	25.5	20.3	81.0	0.0	0.0	0.0	3.7
16	18.2	26.0	20.5	82.3	0.0	1.7	1.7	4.1
17	17.5	25.2	19.9	82.0	2.0	3.6	5.6	2.0
18	17.2	22.8	19.3	84.0	.6	0.0	.6	.6
19	16.0	26.6	20.0	84.0	0.0	0.0	0.0	4.1
20	18.2	26.3	21.2	82.7	0.0	5.5	5.5	6.6
21	16.4	18.7	16.7	92.7	27.6	0.0	27.6	0.0
22	12.8	24.1	18.5	86.7	0.0	0.0	0.0	.6
23	15.4	24.5	20.0	82.7	0.0	7.9	7.9	4.0
24	16.7	25.0	18.7	79.7	.4	0.0	.4	1.6
25	14.2	25.3	19.7	82.7	0.0	0.0	0.0	6.4
26	17.5	25.6	20.6	81.3	0.0	0.0	0.0	5.7
27	15.4	25.5	20.3	84.3	0.0	0.0	0.0	6.6
28	18.0	24.8	20.3	82.7	0.0	0.0	0.0	6.9
29	17.0	25.0	19.9	80.3	0.0	0.0	0.0	6.5
30	17.1	25.1	19.8	82.0	2.9	0.0	2.9	5.3
31								
TOTAL PROMEDIO	16.9	25.0	19.9	82.8	40.5	51.4	91.9	126.9

DICIEMBRE	TEMPERATURA °C			HUM REL(%)	PRECIPITACION mm.			BRILLO SOL(h)
	MIN	MAX	MED		DIA	NOCHE	TOTAL	
1	17.8	22.6	18.9	90.3	0.0	0.0	0.0	1.5
2	17.1	24.8	19.5	86.7	0.0	5.9	5.9	1.9
3	16.7	24.7	19.0	83.3	0.0	0.0	0.0	1.7
4	16.0	24.8	19.6	84.0	0.0	22.4	22.4	4.2
5	15.5	21.4	17.4	93.3	23.1	1.1	24.2	.1
6	15.8	24.9	19.3	81.7	0.0	0.0	0.0	
7	15.4	26.3	19.6	84.7	.1	0.0	.1	6.5
8	14.9	23.2	18.5	90.0	4.5	.1	4.6	1.8
9	15.1	25.4	19.6	80.0	0.0	0.0	0.0	5.3
10	13.8	26.3	19.9	78.0	0.0	0.0	0.0	8.0
11	15.1	25.0	19.6	81.7	0.0	0.0	0.0	8.2
12	16.1	24.0	19.0	82.7	0.0	0.0	0.0	3.8
13	13.8	25.5	19.7	81.3	0.0	0.0	0.0	8.0
14	17.0	25.4	20.3	79.0	0.0	0.0	0.0	7.2
15	17.1	27.4	21.0	79.0	0.0	0.0	0.0	7.6
16	18.2	27.0	21.5	80.3	0.0	0.0	0.0	8.9
17	18.1	26.0	20.7	84.3	0.0	0.0	0.0	8.0
18	17.8	26.8	20.6	79.3	0.0	0.0	0.0	2.8
19	18.0	26.0	20.6	79.0	0.0	0.0	0.0	2.2
20	17.1	26.1	20.8	81.3	0.0	0.0	0.0	5.6
21	17.8	26.3	21.1	80.0	0.0	0.0	0.0	3.2
22	18.2	21.4	19.4	87.3	0.0	0.0	0.0	0.0
23	17.2	25.8	20.2	76.0	0.0	2.2	2.2	6.2
24	16.8	23.4	19.1	84.0	1.6	13.3	14.9	.9
25	17.0	25.6	20.2	80.0	.4	.5	.9	6.9
26	17.4	25.5	19.4	89.3	3.3	0.0	3.3	3.8
27	17.5	22.0	19.4	83.0	0.0	.1	.1	.1
28	16.0	24.9	19.6	84.7	.5	0.0	.5	3.6
29	16.5	25.0	20.0	83.7	0.0	3.5	3.5	5.6
30	17.8	23.1	19.1	85.3	.6	0.0	.6	1.1
31	16.6	24.2	19.4	82.0	3.2	0.0	3.2	5.9
TOTAL PROMEDIO	16.6	24.9	19.7	83.1	37.3	49.1	86.4	

ESTACION: JULIO FERNANDEZ  
 AÑO : 1990

DPTO: VALLE  
 MPIO: RESTREPO

LATITUD : 03° 43'N  
 LONGITUD: 76° 32'W  
 ALTITUD : 1360 m.

MES	TEMPERATURA °C					HUM REL(%)	PRECIPITACION		
	MIN MED	MAX MED	MED	MIN ABS	MAX ABS		TOTAL mm.	DIAS LLUVIA	BRILLO SOL(h)
ENERO	16.9	25.5	20.0	14.6	28.2	83.1	137.0	18	163.6
FEBRERO	16.8	25.3	19.8	13.9	28.2	82.5	88.8	10	102.6
MARZO	17.1	25.7	20.3	13.2	28.2	82.3	104.9	15	114.6
ABRIL	17.4	25.4	20.3	14.5	27.0	83.3	115.5	15	
MAYO	17.5	25.5	20.4	14.8	28.1	83.4	94.1	20	97.6
JUNIO	17.5	26.0	20.7	15.5	28.4	81.5	34.4	10	130.7
JULIO	16.0	25.8	19.9	13.5	28.2	80.6	112.6	18	
AGOSTO	16.4	26.1	20.0	12.8	28.4	81.3	51.9	10	168.2
SEPTIEMBRE	16.9	25.8	19.9	14.2	27.5	83.0	107.1	16	159.8
OCTUBRE	16.4	24.5	19.4	13.0	26.4	83.0	110.2	23	115.8
NOVIEMBRE	16.9	25.0	19.9	12.8	26.6	82.8	91.9	14	126.9
DICIEMBRE	16.6	24.9	19.7	13.8	27.4	83.1	86.4	14	
PROMEDIO	16.9	25.5	20.0			82.5			
ABSOLUTA				12.8	28.4				
TOTAL							1134.8	183	



ESTACION: MESITAS DE SANTA INES DPTO: CUNDINAMARCA

LATITUD : 04° 43'N

AÑO : 1990

MPIO: CACHIPAY

LONGITUD: 74° 28'W  
ALTITUD : 1250 m.

DIA	ENERO				FEBRERO				MARZO						
	PRECIPITACION mm	BRILLO SOL(h)	DIA	NOCHE	TOTAL	PRECIPITACION mm	BRILLO SOL(h)	DIA	NOCHE	TOTAL	PRECIPITACION mm	BRILLO SOL(h)	DIA	NOCHE	TOTAL
1	0.0	28.3	28.3	4.2	0.0	0.0	0.0	5.5	0.0	0.0	0.0	6.6	0.0	0.0	0.0
2	1.0	0.0	1.0	2.3	0.0	1.9	1.9	3.4	.6	13.9	14.5	3.6	.2	0.0	.2
3	0.0	0.0	0.0	4.6	.6	0.0	.6	1.0	.2	0.0	.2	1.5	.2	0.0	.2
4	0.0	.4	.4	6.0	0.0	26.4	26.4	4.7	7.2	3.0	10.2	2.4	0.0	0.0	0.0
5	0.0	0.0	0.0	3.3	0.0	0.0	0.0	2.6	0.0	0.0	0.0	.4	0.0	0.0	0.0
6	1.6	0.0	1.6	3.8	6.7	21.7	28.4	1.5	0.0	0.0	0.0	5.2	0.0	0.0	0.0
7	0.0	0.0	0.0	1.2	0.0	0.0	0.0	.6	0.0	0.0	0.0	2.1	0.0	0.0	0.0
8	0.0	.5	.5	1.6	0.0	1.0	1.0	2.2	0.0	0.0	0.0	2.5	0.0	0.0	0.0
9	0.0	0.0	0.0	2.8	.1	0.0	.1	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0
10	.4	0.0	.4	2.6	13.4	5.9	19.3	2.3	0.0	0.0	0.0	1.9	0.0	0.0	0.0
11	0.0	0.0	0.0	6.4	.6	0.0	.6	3.2	.6	0.0	.6	.6	0.0	0.0	0.0
12	0.0	0.0	0.0	1.8	38.5	20.7	59.2	2.5	0.0	0.0	0.0	5.4	0.0	0.0	0.0
13	11.9	0.0	11.9	3.2	5.1	0.0	5.1	.8	0.0	0.0	0.0	5.3	0.0	0.0	0.0
14	0.0	0.0	0.0	3.1	0.0	7.2	7.2	5.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0
15	0.0	0.0	0.0	3.1	0.0	0.0	0.0	2.4	0.0	.8	.8	.8	0.0	0.0	0.0
16	0.0	0.0	0.0	3.9	0.0	.2	.2	3.4	0.0	0.0	0.0	2.1	0.0	0.0	0.0
17	0.0	0.0	0.0	3.3	4.4	0.0	4.4	6.1	0.0	5.3	5.3	2.3	0.0	0.0	0.0
18	0.0	0.0	0.0	6.0	0.0	6.2	6.2	1.7	5.2	0.0	5.2	.1	0.0	0.0	0.0
19	0.0	.5	.5	6.9	4.1	5.6	9.7	.4	0.0	0.0	0.0	4.8	0.0	0.0	0.0
20	0.0	0.0	0.0	5.6	0.0	8.0	8.0	.6	0.0	0.0	0.0	2.2	0.0	0.0	0.0
21	.1	0.0	.1	4.0	.2	0.0	.2	1.9	21.2	0.0	21.2	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	1.7	1.2	6.2	7.4	1.7	0.0	0.0	0.0	6.3	0.0	0.0	0.0
23	0.0	0.0	0.0	5.5	0.0	.1	.1	2.6	0.0	5.8	5.8	.7	0.0	0.0	0.0
24	0.0	0.0	0.0	6.7	0.0	0.0	0.0	6.6	1.2	0.0	1.2	.7	0.0	0.0	0.0
25	.1	.1	.2	6.6	0.0	0.0	0.0	3.7	.2	5.6	5.8	.4	0.0	0.0	0.0
26	4.5	1.0	5.5	0.0	0.0	0.0	0.0	3.6	.4	0.0	.4	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	5.6	0.0	.3	.3	1.4	0.0	0.0	0.0	3.6	0.0	0.0	0.0
28	0.0	0.0	0.0	7.9	0.0	0.0	0.0	2.9	0.0	0.0	0.0	5.2	0.0	0.0	0.0
29	0.0	0.0	0.0	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0
30	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	10.0	10.0	5.3	0.0	0.0	0.0
31	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	28.8	28.8	1.2	0.0	0.0	0.0
TOTAL	19.6	30.8	50.4	129.3	74.9	111.4	186.3	74.3	36.8	73.2	110.0	83.6			

DIA	ABRIL				MAYO				JUNIO						
	PRECIPITACION mm	BRILLO SOL(h)	DIA	NOCHE	TOTAL	PRECIPITACION mm	BRILLO SOL(h)	DIA	NOCHE	TOTAL	PRECIPITACION mm	BRILLO SOL(h)	DIA	NOCHE	TOTAL
1	7.0	.9	7.9	0.0	0.0	26.1	26.1	5.1	2.8	0.0	2.8	1.9	0.0	0.0	0.0
2	0.0	0.0	0.0	3.7	0.0	18.7	18.7	3.1	0.0	0.0	0.0	3.0	0.0	0.0	0.0
3	0.0	0.0	0.0	1.9	0.0	5.2	5.2	.6	0.0	0.0	0.0	6.5	0.0	0.0	0.0
4	1.9	0.0	1.9	1.9	13.8	12.4	26.2	1.8	.1	0.0	.1	1.0	0.0	0.0	0.0
5	.4	0.0	.4	2.4	3.4	3.7	7.1	4.2	0.0	0.0	0.0	2.7	0.0	0.0	0.0
6	5.8	0.0	5.8	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	7.5	0.0	0.0	0.0
7	0.0	0.0	0.0	6.7	0.0	0.0	0.0	1.5	0.0	0.0	0.0	6.9	0.0	0.0	0.0
8	0.0	0.0	0.0	5.7	0.0	0.0	0.0	.4	0.0	0.0	0.0	4.1	0.0	0.0	0.0
9	0.0	0.0	0.0	10.0	0.0	0.0	0.0	3.2	0.0	1.5	1.5	2.3	0.0	0.0	0.0
10	0.0	0.0	0.0	8.2	0.0	17.5	17.5	3.5	13.5	24.8	38.3	.3	0.0	0.0	0.0
11	0.0	0.0	0.0	5.3	0.0	0.0	0.0	3.1	1.0	0.0	1.0	.5	0.0	0.0	0.0
12	0.0	0.0	0.0	3.5	0.0	0.0	0.0	2.4	0.0	.3	.3	7.4	0.0	0.0	0.0
13	0.0	3.3	3.3	3.2	0.0	7.0	7.0	3.1	0.0	4.4	4.4	6.1	0.0	0.0	0.0
14	1.0	0.0	1.0	2.3	0.0	0.0	0.0	1.2	0.0	.2	.2	2.8	0.0	0.0	0.0
15	.1	0.0	.1	4.5	0.0	0.0	0.0	6.3	0.0	0.0	0.0	3.4	0.0	0.0	0.0
16	16.3	0.0	16.3	1.1	0.0	0.0	0.0	5.8	.9	0.0	.9	1.1	0.0	0.0	0.0
17	.2	4.0	4.2	4.7	0.0	0.0	0.0	1.3	0.0	.3	.3	6.0	0.0	0.0	0.0
18	1.7	0.0	1.7	4.1	0.0	0.0	0.0	6.5	0.0	.1	.1	7.4	0.0	0.0	0.0
19	0.0	0.0	0.0	2.3	1.8	.1	1.9	2.4	0.0	0.0	0.0	5.9	0.0	0.0	0.0
20	.2	5.6	5.8	2.1	0.0	0.0	0.0	3.1	0.0	0.0	0.0	7.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	6.6	0.0	0.0	0.0
22	1.4	6.3	7.7	.6	6.1	0.0	6.1	.1	0.0	0.0	0.0	1.6	0.0	0.0	0.0
23	3.2	1.8	5.0	2.1	0.0	0.0	0.0	2.5	0.0	0.0	0.0	1.8	0.0	0.0	0.0
24	.9	.3	1.2	.4	0.0	0.0	0.0	1.2	3.7	0.0	3.7	1.3	0.0	0.0	0.0
25	6.1	2.9	9.0	.9	0.0	1.2	1.2	3.5	0.0	0.0	0.0	5.9	0.0	0.0	0.0
26	.6	0.0	.6	.3	.4	0.0	.4	2.7	0.0	.1	.1	2.6	0.0	0.0	0.0
27	0.0	0.0	0.0	1.8	0.0	0.0	0.0	4.6	0.0	0.0	0.0	.6	0.0	0.0	0.0
28	4.8	2.0	6.8	.7	4.7	3.7	8.4	1.8	0.0	0.0	0.0	2.9	0.0	0.0	0.0
29	5.1	0.0	5.1	.8	3.9	0.0	3.9	.8	0.0	0.0	0.0	3.5	0.0	0.0	0.0
30	2.1	0.0	2.1	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0
31					0.0	0.0	0.0	6.9							
TOTAL	58.8	27.1	85.9		34.1	95.6	129.7	90.1	22.0	31.7	53.7	117.1			

ESTACION: MESITAS DE SANTA INES DPTO: CUNDINAMARCA

LATITUD : 04° 43'N

ANO : 1990

MPIO: CACHIPAY

LONGITUD: 74° 28'W  
ALTITUD : 1250 m.

DIA	JULIO				AGOSTO				SEPTIEMBRE			
	PRECIPITACION mm	BRILLO SOL(h)	PRECIPITACION mm	BRILLO SOL(h)	PRECIPITACION mm	BRILLO SOL(h)	PRECIPITACION mm	BRILLO SOL(h)	PRECIPITACION mm	BRILLO SOL(h)	PRECIPITACION mm	BRILLO SOL(h)
	DIA NOCHE TOTAL		DIA NOCHE TOTAL		DIA NOCHE TOTAL		DIA NOCHE TOTAL		DIA NOCHE TOTAL		DIA NOCHE TOTAL	
1	0.0	0.0	0.0	3.7	0.0	0.0	0.0	5.3	.1	0.0	.1	2.5
2	0.0	0.0	0.0	2.4	0.0	.2	.2	5.0	0.0	0.0	0.0	3.2
3	0.0	3.2	3.2	2.4	0.0	0.0	0.0	5.2	0.0	0.0	0.0	2.0
4	0.0	0.0	0.0	2.3	0.0	0.0	0.0	6.0	0.0	0.0	0.0	3.5
5	.1	0.0	.1	.4	0.0	0.0	0.0	4.3	0.0	0.0	0.0	8.4
6	0.0	0.0	0.0	6.3	0.0	0.0	0.0	4.9	0.0	0.0	0.0	6.0
7	0.0	0.0	0.0	3.3	0.0	0.0	0.0	6.0	9.9	0.0	9.9	2.7
8	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
9	1.6	.2	1.8	4.9	0.0	0.0	0.0	.2	0.0	0.0	0.0	2.3
10	.7	.1	.8	0.0	0.0	.1	.1	1.2	.1	0.0	.1	3.0
11	0.0	.1	.1	1.8	0.0	0.0	0.0	7.6	0.0	0.0	0.0	1.7
12	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	5.7	0.0	5.7	4.5
13	0.0	.9	.9	3.4	0.0	0.0	0.0	0.0	0.0	6.0	6.0	6.2
14	0.0	0.0	0.0	2.1	0.0	0.0	0.0	4.1	0.0	0.0	0.0	3.6
15	6.0	0.0	6.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	.3	0.0	.3	3.2	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0
17	.6	0.0	.6	1.6	0.0	0.0	0.0	7.4	0.0	0.0	0.0	9.7
18	0.0	0.0	0.0	4.3	0.0	0.0	0.0	4.8	0.0	14.0	14.0	9.1
19	4.9	0.0	4.9	2.7	0.0	0.0	0.0	6.1	0.0	0.0	0.0	3.2
20	0.0	0.0	0.0	7.9	0.0	0.0	0.0	7.5	0.0	6.0	6.0	1.0
21	1.3	0.0	1.3	2.4	0.0	0.0	0.0	6.4	0.0	1.0	1.0	3.5
22	0.0	.3	.3	5.4	0.0	0.0	0.0	9.1	0.0	0.0	0.0	6.2
23	0.0	0.0	0.0	6.3	0.0	0.0	0.0	6.3	0.0	7.0	7.0	1.1
24	0.0	0.0	0.0	8.5	.1	0.0	.1	4.8	0.0	0.0	0.0	3.5
25	0.0	0.0	0.0	8.4	0.0	0.0	0.0	6.3	0.0	0.0	0.0	5.7
26	0.0	0.0	0.0	7.1	0.0	9.5	9.5	4.4	0.0	2.0	2.0	5.4
27	0.0	0.0	0.0	6.7	0.0	0.0	0.0	3.6	0.0	0.0	0.0	4.3
28	.7	.2	.9	5.4	.6	0.0	.6	1.6	0.0	15.0	15.0	1.4
29	0.0	0.0	0.0	5.9	1.0	0.0	1.0	.8	0.0	0.0	0.0	0.0
30	4.1	1.3	5.4	2.7	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	2.7	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0
TOTAL	20.3	6.3	26.6	124.8	1.7	9.8	11.5		15.8	51.0	66.8	

DIA	OCTUBRE				NOVIEMBRE				DICIEMBRE			
	PRECIPITACION mm	BRILLO SOL(h)	PRECIPITACION mm	BRILLO SOL(h)	PRECIPITACION mm	BRILLO SOL(h)	PRECIPITACION mm	BRILLO SOL(h)	PRECIPITACION mm	BRILLO SOL(h)	PRECIPITACION mm	BRILLO SOL(h)
	DIA NOCHE TOTAL		DIA NOCHE TOTAL		DIA NOCHE TOTAL		DIA NOCHE TOTAL		DIA NOCHE TOTAL		DIA NOCHE TOTAL	
1	0.0	2.0	2.0	2.6	17.8	0.0	17.8	1.8	0.0	0.0	0.0	3.7
2	0.0	.2	.2	.6	4.9	0.0	4.9	2.2	7.5	.6	8.1	3.3
3	4.7	0.0	4.7	2.8	3.5	2.3	5.8	1.5	2.9	0.0	2.9	0.0
4	0.0	29.3	29.3	3.8	17.0	0.0	17.0	2.8	1.2	12.4	13.6	2.2
5	1.0	.5	1.5	.4	42.8	0.0	42.8	1.9	22.8	.6	23.4	0.0
6	3.0	0.0	3.0	1.8	0.0	0.0	0.0	3.3	11.3	0.0	11.3	.7
7	6.0	0.0	6.0	2.7	0.0	0.0	0.0	7.1	.2	.2	.4	1.6
8	.2	0.0	.2	2.3	0.0	0.0	0.0	3.6	0.0	0.0	0.0	1.0
9	8.9	0.0	8.9	2.2	0.0	0.0	0.0	6.0	.2	.3	.5	5.7
10	25.3	0.0	25.3	.2	.3	0.0	.3	4.4	0.0	0.0	0.0	6.7
11	19.5	5.7	25.2	2.4	0.0	0.0	0.0	6.1	11.8	0.0	11.8	4.6
12	0.0	0.0	0.0	2.1	0.0	0.0	0.0	4.5	0.0	0.0	0.0	3.2
13	1.8	0.0	1.8	1.6	0.0	0.0	0.0	5.1	0.0	0.0	0.0	3.0
14	1.9	0.0	1.9	2.1	0.0	0.0	0.0	5.0	.1	0.0	.1	3.1
15	2.1	0.0	2.1	3.7	0.0	0.0	0.0	5.9	0.0	0.0	0.0	3.2
16	7.2	0.0	7.2	3.6	0.0	0.0	0.0	7.5	0.0	0.0	0.0	5.4
17	0.0	5.2	5.2	4.4	0.0	21.5	21.5	6.1	0.0	0.0	0.0	7.2
18	0.0	50.1	50.1	3.6	2.6	0.0	2.6	.4	0.0	0.0	0.0	7.4
19	.3	1.3	1.6	2.6	.1	0.0	.1	1.1	0.0	0.0	0.0	4.1
20	2.6	6.4	9.0	.7	0.0	0.0	0.0	4.8	0.0	0.0	0.0	7.1
21	0.0	38.0	38.0	3.1	27.9	0.0	27.9	.1	0.0	0.0	0.0	6.9
22	17.9	0.0	17.9	1.3	0.0	0.0	0.0	5.4	0.0	0.0	0.0	5.1
23	6.5	0.0	6.5	2.8	3.6	3.3	6.9	2.3	0.0	.2	.2	6.6
24	29.8	0.0	29.8	0.0	1.7	.2	1.9	1.0	3.2	39.9	43.1	1.1
25	0.0	0.0	0.0	2.4	0.0	0.0	0.0	2.8	.1	0.0	.1	4.0
26	0.0	0.0	0.0	1.9	5.2	2.0	7.2	2.7	7.3	0.0	7.3	2.6
27	0.0	.1	.1	.5	.2	0.0	.2	2.1	0.0	0.0	0.0	.2
28	2.8	0.0	2.8	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.9
29	39.6	0.0	39.6	1.0	1.2	0.0	1.2	4.3	0.0	2.7	2.7	8.4
30	.7	0.0	.7	2.5	8.6	0.0	8.6	1.2	11.7	0.0	11.7	5.0
31	1.7	0.0	1.7	1.7					0.0	1.0	1.0	2.5
TOTAL	183.5	138.8	322.3	66.4	137.4	29.3	166.7	103.0	80.3	57.9	138.2	116.5

ESTACION: EL SAUCE

DPTO: NARINO

LATITUD : 01° 37'N

LONGITUD: 77° 06'W

AÑO : 1990

MPIO: LA UNION

ALTITUD : 1800 m.

DIA	ENERO				FEBRERO				MARZO			
	PRECIPITACION mm			BRILLO	PRECIPITACION mm			BRILLO	PRECIPITACION mm			BRILLO
	DIA	NOCHE	TOTAL	SOL(h)	DIA	NOCHE	TOTAL	SOL(h)	DIA	NOCHE	TOTAL	SOL(h)
1	8.5	9.8	18.3	.2	0.0	0.0	0.0	6.6	0.0	.6	.6	0.0
2	0.0	0.0	0.0	3.5	5.4	1.2	6.6	3.3	.4	18.1	18.5	1.0
3	0.0	0.0	0.0	8.6	0.0	0.0	0.0	.1	2.6	3.6	6.2	.2
4	0.0	0.0	0.0	7.7	.4	0.0	.4	3.0	0.0	0.0	0.0	.6
5	0.0	0.0	0.0	5.4	19.9	48.7	68.6	.7	0.0	0.0	0.0	.8
6	0.0	0.0	0.0	3.0	.1	0.0	.1	.1	0.0	0.0	0.0	0.0
7	3.7	.2	3.9	3.6	1.6	0.0	1.6	6.2	.1	0.0	.1	0.0
8	3.0	33.4	36.4	.7	0.0	0.0	0.0	5.9	0.0	0.0	0.0	2.0
9	.8	1.4	2.2	.7	2.3	4.8	7.1	.6	0.0	0.0	0.0	4.5
10	0.0	1.9	1.9	1.7	.6	8.9	9.5	2.6	0.0	0.0	0.0	0.0
11	0.0	5.5	5.5	0.0	14.7	.2	14.9	0.0	0.0	0.0	0.0	1.8
12	.2	1.7	1.9	0.0	1.1	0.0	1.1	3.0	0.0	0.0	0.0	5.0
13	11.4	1.5	12.9	1.0	.4	0.0	.4	2.2	0.0	0.0	0.0	6.9
14	11.9	0.0	11.9	1.6	0.0	8.2	8.2	5.3	0.0	.2	.2	1.9
15	0.0	0.0	0.0	1.5	9.3	2.7	12.0	2.5	0.0	0.0	0.0	3.8
16	0.0	0.0	0.0	5.8	.8	.1	.9	2.4	0.0	0.0	0.0	2.8
17	0.0	0.0	0.0	7.2	.9	29.9	30.8	1.3	0.0	0.0	0.0	4.9
18	0.0	0.0	0.0	8.6	15.1	4.0	19.1	.2	2.8	.2	3.0	1.4
19	0.0	0.0	0.0	6.7	0.0	19.3	19.3	3.6	0.0	0.0	0.0	3.3
20	0.0	0.0	0.0	6.0	.4	2.9	3.3	1.9	0.0	0.0	0.0	1.6
21	0.0	0.0	0.0	2.9	0.0	0.0	0.0	4.2	0.0	.2	.2	.9
22	0.0	0.0	0.0	5.6	2.5	.8	3.3	0.0	0.0	0.0	0.0	4.1
23	0.0	0.0	0.0	6.3	0.0	0.0	0.0	0.0	22.0	.4	22.4	4.0
24	0.0	0.0	0.0	6.6	0.0	18.9	18.9	0.0	2.0	9.5	11.5	3.8
25	0.0	0.0	0.0	5.1	1.9	.7	2.6	2.2	3.1	0.0	3.1	0.0
26	0.0	0.0	0.0	1.6	1.5	1.3	2.8	2.9	28.8	11.5	40.3	.7
27	0.0	0.0	0.0	4.4	0.0	0.0	0.0	4.8	0.0	0.0	0.0	4.5
28	0.0	0.0	0.0	2.7	2.6	.1	2.7	.2	.8	0.0	.8	5.8
29	0.0	0.0	0.0	3.0					4.0	0.0	4.0	8.5
30	0.0	0.0	0.0	2.0					0.0	0.0	0.0	3.9
31	0.0	0.0	0.0	6.7					4.9	26.2	31.1	
TOTAL	39.5	55.4	94.9	120.4	81.5	152.7	234.2	65.8	71.5	70.5	142.0	

DIA	ABRIL				MAYO				JUNIO			
	PRECIPITACION mm			BRILLO	PRECIPITACION mm			BRILLO	PRECIPITACION mm			BRILLO
	DIA	NOCHE	TOTAL	SOL(h)	DIA	NOCHE	TOTAL	SOL(h)	DIA	NOCHE	TOTAL	SOL(h)
1	12.0	0.0	12.0	0.0	0.0	0.0	0.0		.1	0.0	.1	3.7
2	0.0	0.0	0.0	8.4	1.2	14.0	15.2		2.3	0.0	2.3	0.0
3	20.7	0.0	20.7	2.1	2.3	33.9	36.2	.7	0.0	0.0	0.0	5.6
4	16.6	2.0	18.6	4.3	.3	1.0	1.3	3.9	2.1	.6	2.7	1.6
5	1.3	5.0	6.3	1.2	.7	0.0	.7	1.6	0.0	0.0	0.0	6.1
6	.1	0.0	.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3
7	0.0	0.0	0.0	2.8	0.0	0.0	0.0	3.2	0.0	0.0	0.0	7.4
8	0.0	0.0	0.0	4.1	0.0	1.7	1.7	3.9	0.0	0.0	0.0	4.2
9	0.0	0.0	0.0	8.9	7.3	.7	8.0	3.9	.6	5.8	6.4	.6
10	0.0	0.0	0.0	3.6	4.5	.9	5.4	2.2	3.2	2.7	5.9	.3
11	0.0	0.0	0.0	3.2	10.5	0.0	10.5	1.1	.3	0.0	.3	1.3
12	.3	0.0	.3		0.0	0.0	0.0	3.8	0.0	0.0	0.0	4.2
13	0.0	0.0	0.0	6.0	0.0	0.0	0.0	1.8	4.4	.3	4.7	2.9
14	0.0	52.0	52.0	1.9	0.0	0.0	0.0	6.0	3.9	0.0	3.9	.3
15	0.0	10.0	10.0	2.3	0.0	0.0	0.0	8.5	.5	0.0	.5	1.5
16	0.0	0.0	0.0	5.7	0.0	0.0	0.0	4.5	0.0	0.0	0.0	3.4
17	0.0	.5	.5	4.6	0.0	0.0	0.0	4.1	0.0	0.0	0.0	7.5
18	1.5	0.0	1.5	3.6	0.0	0.0	0.0	8.1	0.0	0.0	0.0	5.3
19	.5	0.0	.5	3.1	0.0	0.0	0.0	3.6	0.0	0.0	0.0	9.2
20	6.9	9.9	16.8	.7	0.0	0.0	0.0	5.7	0.0	0.0	0.0	8.2
21	31.2	0.0	31.2	.1	0.0	0.0	0.0	.6	0.0	0.0	0.0	5.6
22	1.1	1.0	2.1	.9	0.0	0.0	0.0	1.9	0.0	0.0	0.0	5.1
23	10.6	26.9	37.5	.1	0.0	0.0	0.0	.2	0.0	0.0	0.0	4.0
24	6.5	0.0	6.5		0.0	0.0	0.0	5.6	0.0	0.0	0.0	1.2
25	12.4	0.0	12.4		0.0	0.0	0.0	6.8	0.0	0.0	0.0	4.4
26	0.0	0.0	0.0	5.4	0.0	0.0	0.0	3.4	0.0	0.0	0.0	5.6
27	9.0	0.0	9.0		0.0	0.0	0.0	6.8	.3	0.0	.3	3.9
28	.3	.4	.7		0.0	0.0	0.0	4.4	0.0	0.0	0.0	7.8
29	0.0	0.0	0.0		4.9	4.8	9.7	4.6	0.0	0.0	0.0	7.5
30	8.9	10.1	19.0		0.0	0.0	0.0	4.1	0.0	0.0	0.0	5.1
31					0.0	0.0	0.0	3.6				
TOTAL	139.9	117.8	257.7		31.7	57.0	88.7		17.7	9.4	27.1	129.8

ESTACION: EL SAUCE

DFTO: NARIÑO

LATITUD : 01° 37'N

AÑO : 1990

MPIO: LA UNION

LONGITUD: 77° 06'W

ALTITUD : 1800 m.

DIA	JULIO				AGOSTO				SEPTIEMBRE			
	PRECIPITACION mm			BRILLO	PRECIPITACION mm			BRILLO	PRECIPITACION mm			BRILLO
	DIA	NOCHE	TOTAL	SOL(h)	DIA	NOCHE	TOTAL	SOL(h)	DIA	NOCHE	TOTAL	SOL(h)
1	0.0	0.0	0.0	5.3	0.0	0.0	0.0	8.4	.2	1.2	1.4	6.4
2	0.0	0.0	0.0	3.8	0.0	0.0	0.0	5.9	0.0	0.0	0.0	.7
3	0.0	0.0	0.0	2.8	0.0	0.0	0.0	7.4	0.0	0.0	0.0	3.9
4	0.0	0.0	0.0	4.3	0.0	0.0	0.0	3.8	0.0	0.0	0.0	5.7
5	0.0	0.0	0.0	1.3	0.0	0.0	0.0	6.3	0.0	0.0	0.0	8.4
6	0.0	0.0	0.0	5.1	0.0	0.0	0.0	5.3	0.0	0.0	0.0	8.8
7	0.0	0.0	0.0	2.0	0.0	0.0	0.0	8.8	0.0	0.0	0.0	7.4
8	6.2	36.7	42.9	5.2	0.0	0.0	0.0	6.4	0.0	0.0	0.0	5.8
9	2.7	2.7	5.4	3.9	0.0	0.0	0.0	6.9	0.0	0.0	0.0	2.6
10	3.8	3.9	7.7	1.1	0.0	0.0	0.0	4.6	0.0	0.0	0.0	7.6
11	0.0	.5	.5	6.6	0.0	0.0	0.0	6.1	0.0	0.0	0.0	3.2
12	.8	0.0	.8	1.4	0.0	0.0	0.0	6.5	0.0	0.0	0.0	4.0
13	0.0	0.0	0.0	6.4	0.0	0.0	0.0	3.3	0.0	0.0	0.0	8.5
14	.5	0.0	.5	8.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	3.1
15	.1	.2	.3	6.7	0.0	0.0	0.0	7.3	0.0	0.0	0.0	4.9
16	0.0	0.0	0.0	7.5	0.0	0.0	0.0	6.6	0.0	0.0	0.0	5.3
17	0.0	0.0	0.0	4.4	0.0	0.0	0.0	9.4	0.0	0.0	0.0	3.6
18	0.0	0.0	0.0	3.7	0.0	0.0	0.0	5.0	0.0	0.0	0.0	9.4
19	0.0	0.0	0.0	9.4	0.0	0.0	0.0	8.1	0.0	0.0	0.0	6.8
20	0.0	0.0	0.0	3.5	0.0	0.0	0.0	7.6	0.0	0.0	0.0	4.6
21	0.0	0.0	0.0	6.6	0.0	127.8	127.8	4.7	0.0	0.0	0.0	4.0
22	0.0	0.0	0.0	6.4	.1	1.3	1.4	4.7	1.4	23.7	25.1	4.1
23	0.0	0.0	0.0	4.1	0.0	0.0	0.0	6.6	1.4	.3	1.7	2.4
24	0.0	0.0	0.0	10.2	0.0	0.0	0.0	10.3	0.0	0.0	0.0	5.3
25	0.0	0.0	0.0	10.2	0.0	0.0	0.0	5.4	6.8	0.0	6.8	4.5
26	0.0	0.0	0.0	9.6	0.0	0.0	0.0	8.0	0.0	.2	.2	7.5
27	0.0	0.0	0.0	7.1	10.6	.5	11.1	6.1	0.0	0.0	0.0	7.0
28	0.0	0.0	0.0	3.9	.1	3.4	3.5	2.2	0.0	0.0	0.0	6.9
29	0.0	0.0	0.0	5.3	0.0	0.0	0.0	3.1	0.0	0.0	0.0	6.9
30	0.0	0.0	0.0	5.4	0.0	0.0	0.0	4.8	0.0	16.0	16.0	4.4
31	0.0	0.0	0.0	9.1	12.1	0.0	12.1	6.3				
TOTAL	14.1	44.0	58.1	170.3	22.9	133.0	155.9	188.0	9.8	41.4	51.2	163.7

DIA	OCTUBRE				NOVIEMBRE				DICIEMBRE			
	PRECIPITACION mm			BRILLO	PRECIPITACION mm			BRILLO	PRECIPITACION mm			BRILLO
	DIA	NOCHE	TOTAL	SOL(h)	DIA	NOCHE	TOTAL	SOL(h)	DIA	NOCHE	TOTAL	SOL(h)
1	8.0	.4	8.4	.1	0.0	1.9	1.9		4.3	10.2	14.5	4.1
2	1.4	0.0	1.4	2.2	.1	4.1	4.2		2.8	12.9	15.7	.4
3	.7	0.0	.7	6.0	4.8	4.6	9.4		0.0	0.0	0.0	.7
4	1.4	17.8	19.2	4.9	5.0	1.2	6.2		0.0	14.7	14.7	
5	11.7	5.1	16.8	.6	5.7	0.0	5.7		3.9	0.0	3.9	.1
6	11.3	4.1	15.4	2.4	0.0	0.0	0.0	.1	0.0	0.0	0.0	4.0
7	25.0	11.3	36.3	.7	0.0	0.0	0.0	7.0	0.0	.4	.4	3.6
8	7.4	2.0	9.4	1.5	0.0	0.0	0.0	1.3	10.0	0.0	10.0	.6
9	.9	30.0	30.9	1.7	0.0	0.0	0.0	4.9	0.0	0.0	0.0	4.7
10	0.0	17.8	17.8	2.3	0.0	0.0	0.0	6.0	0.0	0.0	0.0	8.2
11	1.4	1.1	2.5	.7	0.0	0.0	0.0		0.0	0.0	0.0	.2
12	3.2	0.0	3.2	.4	0.0	0.0	0.0	6.9	0.0	0.0	0.0	3.2
13	14.8	20.9	35.7	2.5	0.0	0.0	0.0	8.8	0.0	0.0	0.0	
14	16.3	.1	16.4	3.5	0.0	0.0	0.0	3.6	0.0	0.0	0.0	1.7
15	2.2	0.0	2.2	3.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	6.7
16	0.0	3.0	3.0	3.9	0.0	0.0	0.0	1.5	0.0	.6	.6	3.2
17	0.0	0.0	0.0	2.6	0.0	26.7	26.7	6.0	0.0	0.0	0.0	2.0
18	0.0	.9	.9	3.0	10.2	.3	10.5	0.0	0.0	0.0	0.0	1.7
19	0.0	7.2	7.2	.7	.5	.2	.7	5.5	0.0	0.0	0.0	3.8
20	7.2	10.5	17.7	.4	0.0	0.0	0.0	3.5	.2	0.0	.2	5.3
21	0.0	5.0	5.0	3.6	9.0	0.0	9.0	.3	0.0	0.0	0.0	7.9
22	3.5	.4	3.9	.9	0.0	0.0	0.0	7.7	7.1	0.0	7.1	.5
23	2.0	1.8	3.8	.5	.1	.8	.9	.5	0.0	2.3	2.3	2.0
24	23.5	.1	23.6	0.0	2.5	0.0	2.5	2.0	3.1	.8	3.9	.4
25	0.0	0.0	0.0		0.0	0.0	0.0	3.8	0.0	0.0	0.0	5.5
26	0.0	0.0	0.0	4.7	0.0	0.0	0.0	5.2	0.0	0.0	0.0	3.4
27	0.0	6.5	6.5	3.9	0.0	0.0	0.0	3.3	0.0	0.0	0.0	2.6
28	0.0	0.0	0.0	1.9	0.0	0.0	0.0	4.7	2.4	.5	2.9	5.3
29	34.5	2.6	37.1	.1	5.6	.1	5.7	1.6	6.5	23.8	30.3	5.1
30	0.0	.1	.1	5.1	.4	2.6	3.0	1.1	14.5	11.8	26.3	1.3
31	0.0	.1	.1	4.4					0.0	0.0	0.0	4.1
TOTAL	176.4	148.8	325.2	68.2	43.9	42.5	86.4		54.8	78.0	132.8	

ESTACION: EL SENA

DPTO: QUINDIO

LATITUD : 04° 34'N

LONGITUD: 75° 39'W

AÑO : 1990

MPIO: ARMENIA

ALTITUD : 1550 m.

DIA	ENERO				FEBRERO				MARZO			
	PRECIPITACION mm			BRILLO	PRECIPITACION mm			BRILLO	PRECIPITACION mm			BRILLO
	DIA	NOCHE	TOTAL	SOL(h)	DIA	NOCHE	TOTAL	SOL(h)	DIA	NOCHE	TOTAL	SOL(h)
1	2.8	1.7	4.5	5.5	0.0	0.0	0.0	2.4	7.8	8.3	16.1	4.5
2	0.0	0.0	0.0	4.9	35.8	0.0	35.8	2.6	6.7	0.0	6.7	4.5
3	0.0	0.0	0.0	3.1	0.0	0.0	0.0	.4	.1	0.0	.1	0.0
4	.3	0.0	.3	5.0	16.3	21.0	37.3	.6	0.0	1.0	1.0	1.7
5	0.0	0.0	0.0	.2	2.6	3.3	5.9	0.0	9.2	1.8	11.0	.4
6	5.8	.1	5.9	2.5	0.0	0.0	0.0	.8	13.0	0.0	13.0	4.5
7	.1	9.8	9.9	2.3	0.0	0.0	0.0	1.0	0.0	0.0	0.0	3.0
8	12.5	0.0	12.5	0.0	.2	9.2	9.4	2.5	0.0	0.0	0.0	6.7
9	4.5	2.1	6.6	3.3	1.0	1.5	2.5	3.3	0.0	0.0	0.0	5.2
10	1.5	0.0	1.5	1.1	3.8	.8	4.6	2.2	0.0	0.0	0.0	5.4
11	12.9	0.0	12.9	3.0	1.0	3.3	4.3	.1	0.0	0.0	0.0	1.2
12	29.2	3.2	32.4	.3	1.7	0.0	1.7	0.0	0.0	0.0	0.0	5.8
13	1.1	0.0	1.1	2.2	1.0	0.0	1.0	1.8	0.0	0.0	0.0	.4
14	0.0	0.0	0.0	2.4	0.0	1.0	1.0	1.8	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	4.9	4.8	2.5	7.3	3.6	0.0	0.0	0.0	1.0
16	0.0	0.0	0.0	2.7	.4	0.0	.4	4.7	1.2	0.0	1.2	1.0
17	0.0	0.0	0.0	2.7	16.1	13.9	30.0	6.5	2.8	1.1	3.9	2.5
18	0.0	0.0	0.0	5.6	.3	4.7	5.0	2.4	1.4	.1	1.5	.1
19	4.1	0.0	4.1	2.6	.7	5.7	6.4	.3	1.1	0.0	.4	3.3
20	0.0	0.0	0.0	5.7	.4	0.0	.4	2.7	1.1	0.0	1.1	1.4
21	0.0	0.0	0.0	3.6	0.0	0.0	0.0	4.9	9.2	0.0	9.2	0.0
22	0.0	0.0	0.0	1.0	10.5	0.0	10.5	.7	0.0	0.0	0.0	5.0
23	0.0	0.0	0.0	6.4	.3	.5	.8	1.2	.1	28.9	29.0	.6
24	0.0	0.0	0.0	4.3	0.0	8.4	8.4	.1	.3	10.0	10.3	.7
25	0.0	0.0	0.0	5.7	1.6	26.6	28.2	2.4	19.2	1.4	20.6	.4
26	1.0	.2	1.2	0.0	2.2	14.8	17.0	.1	21.2	17.8	39.0	.5
27	0.0	0.0	0.0	4.8	0.0	4.6	4.6	3.4	0.0	0.0	0.0	7.2
28	0.0	0.0	0.0	4.1	0.0	0.0	0.0	1.5	29.7	0.0	29.7	4.0
29	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1
30	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9
31	0.0	0.0	0.0	.2	0.0	0.0	0.0	0.0	9.9	16.8	26.7	2.3
TOTAL	75.8	17.1	92.9	100.3	100.7	121.8	222.5	52.6	133.3	87.2	220.5	89.7

DIA	ABRIL				MAYO				JUNIO			
	PRECIPITACION mm			BRILLO	PRECIPITACION mm			BRILLO	PRECIPITACION mm			BRILLO
	DIA	NOCHE	TOTAL	SOL(h)	DIA	NOCHE	TOTAL	SOL(h)	DIA	NOCHE	TOTAL	SOL(h)
1	6.0	0.0	6.0	.1	1.4	0.0	1.4					4.5
2	0.0	0.0	0.0	3.0	0.0	1.5	1.5					0.0
3	.8	0.0	.8	2.1	20.7	6.9	27.6					1.0
4	2.9	18.5	21.4	1.4	.1	7.7	7.8					4.7
5	1.0	.2	1.2	1.3	1.6	1.2	2.8					7.9
6	.2	0.0	.2	.9	.2	0.0	.2					5.9
7	0.0	0.0	0.0	4.0	0.2	0.0	0.2					.2
8	0.0	0.0	0.0	4.4	0.0	0.0	0.0					0.0
9	1.2	0.0	1.2	6.3	.3	0.0	.3					.1
10	3.7	0.0	3.7	5.8	16.5	.3	16.8					0.0
11	.5	0.0	.5	4.3	8.9	0.0	8.9					2.6
12	.2	0.0	.2	4.6	.3	0.0	.3					1.4
13	13.4	0.0	13.4	3.7	.5	2.2	2.7					3.9
14	11.9	.1	12.0	1.2	.1	0.0	.1					2.4
15	6.4	53.2	59.6	1.1	.7	0.0	.7					.1
16	0.0	0.0	0.0	0.0	.1	0.0	.1					6.3
17	3.3	0.0	3.3	2.5	0.0	0.0	0.0					6.8
18	31.3	1.4	32.7	3.4	0.0	0.0	0.0					3.3
19	0.0	0.0	0.0	1.1								4.4
20	4.9	30.3	35.2	1.1								2.6
21	16.2	0.0	16.2	.9								1.7
22	2.4	2.8	5.2	3.3					15.8	0.0	15.8	1.3
23	0.0	0.0	0.0	0.0					2.6	7.0	9.6	.2
24	16.2	0.0	16.2	0.0					.2	0.0	.2	5.2
25	5.3	7.4	12.7	.1					0.0	0.0	0.0	5.0
26	0.0	0.0	0.0	1.6					.2	0.0	.2	0.0
27	4.0	11.1	15.1	0.0					0.0	0.0	0.0	5.5
28	0.0	37.0	37.0						0.0	0.0	0.0	8.7
29	0.0	0.0	0.0						0.0	0.0	0.0	6.1
30	0.0	.4	.4						0.0	0.0	0.0	
31												
TOTAL	131.8	162.4	294.2									

ESTACION: EL SENA

DPTO: QUINDIO

LATITUD : 04° 34'N

AÑO : 1990

MPIO: ARMENIA

LONGITUD: 75° 39'W  
ALTITUD : 1550 m.

DIA	JULIO				AGOSTO				SEPTIEMBRE			
	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)
DIA	DIA	NOCHE	TOTAL		DIA	NOCHE	TOTAL		DIA	NOCHE	TOTAL	
1	0.0	0.0	0.0	2.6	0.0	0.0	0.0	6.4	0.0	1.1	1.1	3.5
2	0.0	0.0	0.0	3.5	0.0	0.0	0.0	5.1	.1	11.7	11.8	3.4
3	0.0	0.0	0.0	3.1	0.0	0.0	0.0	4.0	0.0	0.0	0.0	1.9
4	0.0	.9	.9	1.4	0.0	0.0	0.0	3.6	0.0	0.0	0.0	4.1
5	.2	0.0	.2	1.5	0.0	0.0	0.0	6.1	0.0	0.0	0.0	7.2
6	.1	0.0	.1	4.7	0.0	0.0	0.0	8.5	1.1	0.0	1.1	1.5
7	.1	.9	1.0	2.3	0.0	0.0	0.0	4.7	0.0	.1	.1	4.5
8	1.7	1.3	3.0	5.3	0.0	0.0	0.0	4.2	0.0	0.0	0.0	1.0
9	.8	29.5	30.3	.5	0.0	0.0	0.0	7.4	0.0	0.0	0.0	1.6
10	8.8	0.0	8.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
11	.1	0.0	.1	3.1	0.0	0.0	0.0	8.6	0.0	0.0	0.0	2.0
12	0.0	0.0	0.0	2.6	0.0	0.0	0.0	7.0	0.0	0.0	0.0	4.0
13	2.7	0.0	2.7	3.3	0.0	0.0	0.0	2.7	0.0	.7	.7	7.7
14	0.0	0.0	0.0	3.6	.4	0.0	.4	1.0	0.0	0.0	0.0	3.1
15	0.0	.1	.1	1.7	1.3	0.0	1.3	1.9	0.0	0.0	0.0	2.6
16	1.0	0.0	1.0	2.3	0.0	0.0	0.0	4.9	0.0	0.0	0.0	5.0
17	.1	0.0	.1	2.2	0.0	0.0	0.0	7.6	0.0	0.0	0.0	6.4
18	0.0	6.1	6.1	2.2	0.0	0.0	0.0	1.0	9.3	0.0	9.3	6.0
19	1.4	0.0	1.4	7.5	0.0	0.0	0.0	6.2	.1	1.5	1.6	3.1
20	6.7	11.7	18.4	6.1	0.0	0.0	0.0	3.2	0.0	0.0	0.0	3.4
21	0.0	0.0	0.0	8.0	0.0	0.0	0.0	4.6	0.0	16.3	16.3	4.6
22	0.0	0.0	0.0	3.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	.1
23	.3	0.0	.3	3.6	0.0	0.0	0.0	7.4	4.0	0.0	4.0	1.1
24	0.0	0.0	0.0	7.0	0.0	0.0	0.0	7.4	2.0	0.0	2.0	3.7
25	0.0	0.0	0.0	8.0	0.0	0.0	0.0	2.6	2.6	0.0	2.6	1.3
26	0.0	0.0	0.0	6.0	4.1	0.0	4.1	2.2	5.4	0.0	5.4	2.4
27	0.0	0.0	0.0	6.0	0.0	5.1	5.1	5.3	0.0	0.0	0.0	3.2
28	0.0	0.0	0.0	6.1	4.5	0.0	4.5	3.6	0.0	0.0	0.0	1.0
29	0.0	.1	.1	6.9	2.7	.3	3.0	1.8	0.0	0.0	0.0	2.1
30	0.0	0.0	0.0	4.8	0.0	.9	.9	3.7	.4	18.9	19.3	3.2
31	.1	0.0	.1	6.5	0.0	.3	.3	4.8				
TOTAL	24.1	50.6	74.7	126.4	13.0	6.6	19.6	143.3	25.0	50.3	75.3	98.6

DIA	OCTUBRE				NOVIEMBRE				DICIEMBRE			
	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)
DIA	DIA	NOCHE	TOTAL		DIA	NOCHE	TOTAL		DIA	NOCHE	TOTAL	
1	0.0	14.0	14.0	1.1	0.0	3.0	3.0	1.1	0.0	0.0	0.0	1.7
2	1.8	.5	2.3	0.0	0.0	0.0	0.0	.4	36.0	.3	36.3	.9
3	1.3	0.0	1.3	2.1	0.0	30.0	30.0	.6	.5	0.0	.5	.7
4	.2	1.7	1.9	2.0	0.0	0.0	0.0	0.0	2.2	66.8	69.0	.5
5	0.0	10.0	10.0	1.1	29.0	0.0	29.0	.6	6.8	21.0	27.8	.2
6	1.2	.5	1.7	1.9	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0
7	0.0	17.0	17.0	.5	0.0	0.0	0.0	4.3	6.0	0.0	6.0	3.7
8	.7	0.0	.7	2.6	0.0	0.0	0.0	5.5	8.6	1.6	10.2	1.2
9	9.0	0.0	9.0	2.1	4.7	0.0	4.7	1.0	0.0	.3	.3	6.3
10	0.0	0.0	0.0	1.6	0.0	0.0	0.0	1.1	0.0	0.0	0.0	6.7
11	0.0	55.0	55.0	1.1	0.0	0.0	0.0	5.8	.5	12.4	12.9	3.8
12	0.0	0.0	0.0	.4	7.0	0.0	7.0	3.2	0.0	0.0	0.0	2.1
13	0.0	0.0	0.0	1.1	0.0	0.0	0.0	4.5	0.0	0.0	0.0	3.2
14	0.0	0.0	0.0	1.3	11.0	0.0	11.0	3.8	0.0	0.0	0.0	3.6
15	0.0	0.0	0.0	.3	0.0	0.0	0.0	1.7	0.0	0.0	0.0	5.4
16	0.0	.4	.4	2.0	0.0	25.0	25.0	2.1	0.0	0.0	0.0	3.9
17	1.1	.1	1.2	2.4	0.0	0.0	0.0	2.3	.8	0.0	.8	5.0
18	12.8	0.0	12.8	1.9	0.0	13.0	13.0	.1	13.9	0.0	13.9	5.2
19	.6	0.0	.6	0.0	0.0	.3	.3	3.1	0.0	0.0	0.0	.1
20	0.0	18.0	18.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	4.0
21	.6	0.0	.6	1.1	38.6	0.0	38.6	.1	0.0	0.0	0.0	1.5
22	14.0	0.0	14.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	.1
23	.3	.5	.8	1.6	0.0	5.0	5.0	3.3	0.0	32.7	32.7	3.6
24	40.0	0.0	40.0	.5	0.0	0.0	0.0	2.4	31.3	.4	31.7	1.1
25	0.0	26.0	26.0	2.6	0.0	1.0	1.0	2.9	1.0	0.0	1.0	2.4
26	0.0	0.0	0.0	6.7	21.1	0.0	21.1	2.7	0.0	0.0	0.0	3.2
27	0.0	17.0	17.0	3.5	0.0	0.0	0.0	3.3	.9	0.0	.9	0.0
28	0.0	6.0	6.0	2.6	0.0	0.0	0.0	.5	4.6	0.0	4.6	2.1
29	0.0	0.0	0.0	1.0	9.6	42.1	51.7	3.7	1.1	0.0	1.1	3.3
30	0.0	9.9	9.9	3.4	.9	0.0	.9	1.2	9.0	1.1	10.1	.8
31	0.0	14.0	14.0	5.2					13.5	.3	13.8	3.1
TOTAL	83.6	190.6	274.2	52.7	121.9	119.4	241.3	67.6	136.7	136.9	273.6	79.4

ESTACION: INGENIO RISARALDA

DPTO: RISARALDA

LATITUD : 04° 55'N

ANO : 1990

MPIO: BALBOA

LONGITUD: 75° 54'W

ALTITUD : 1000 m.

DIA	ENERO				FEBRERO				MARZO			
	PRECIPITACION mm		BRILLO SOL(h)	PRECIPITACION mm	PRECIPITACION mm		BRILLO SOL(h)	PRECIPITACION mm	PRECIPITACION mm		BRILLO SOL(h)	
DIA	NOCHE	TOTAL			DIA	NOCHE			TOTAL	DIA		NOCHE
1	0.0	.8	.8	5.1	0.0	.1	.1	5.8	0.0	0.0	0.0	2.9
2	0.0	11.4	11.4	8.5	0.0	0.0	0.0	1.4	.1	10.0	10.1	8.6
3	0.0	0.0	0.0	2.5	0.0	0.0	0.0	1.4	5.2	.5	5.7	0.0
4	1.3	.1	1.4	8.4	0.0	0.0	0.0	4.7	0.0	0.0	0.0	3.2
5	0.0	10.4	10.4	1.2	.7	5.1	5.8	1.8	.1	0.0	.1	3.3
6	0.0	.3	.3	5.8	0.0	0.0	0.0	2.8	0.0	0.0	0.0	8.8
7	.4	2.3	2.7	3.7	0.0	0.0	0.0	5.1	0.0	0.0	0.0	4.9
8	1.4	0.0	1.4	0.0	0.0	15.5	15.5	4.2	0.0	0.0	0.0	4.8
9	23.5	2.9	26.4	6.7	0.0	1.6	1.6	5.6	0.0	0.0	0.0	6.5
10	0.0	.2	.2	3.8	0.0	0.0	0.0	4.8	0.0	0.0	0.0	3.8
11	0.0	14.5	14.5	6.7	.1	3.5	3.6	5.0	0.0	0.0	0.0	.5
12	23.7	0.0	23.7	.8	.9	0.0	.9	.2	0.0	0.0	0.0	9.1
13	0.0	0.0	0.0	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1
14	0.0	0.0	0.0	5.7	0.0	0.0	0.0	7.3	0.0	0.0	0.0	1.9
15	0.0	0.0	0.0	6.8	0.0	0.0	0.0	6.9	0.0	2.8	2.8	0.0
16	0.0	4.2	4.2	7.5	0.0	0.0	0.0	8.1	1.3	0.0	1.3	1.9
17	0.0	.2	.2	6.7	0.0	0.0	0.0	8.7	3.8	11.8	15.6	6.9
18	0.0	0.0	0.0	6.7	0.0	0.0	0.0	1.6	.2	0.0	.2	1.2
19	0.0	0.0	0.0	4.0	0.0	1.9	1.9	2.4	0.0	0.0	0.0	4.5
20	0.0	0.0	0.0	8.0	11.7	0.0	11.7	6.3	0.0	.1	.1	4.3
21	0.0	7.4	7.4	5.3	0.0	0.0	0.0	7.7	5.7	0.0	5.7	0.0
22	1.2	0.0	1.2	3.3	.1	0.0	.1	4.3	0.0	14.8	14.8	9.4
23	0.0	0.0	0.0	9.4	0.0	0.0	0.0	0.0	6.9	33.4	40.3	.4
24	0.0	0.0	0.0	3.9	0.0	6.6	6.6	2.9	.2	.3	.5	3.4
25	0.0	0.0	0.0	9.4	0.0	1.1	1.1	6.4	3.1	.7	3.8	.3
26	3.3	0.0	3.3	0.0	0.0	0.0	0.0	.2	3.8	3.8	7.6	.2
27	0.0	0.0	0.0	8.6	.2	0.0	.2	6.9	0.0	.2	.2	7.9
28	0.0	0.0	0.0	9.5	0.0	0.0	0.0	1.8	0.0	0.0	0.0	7.7
29	0.0	0.0	0.0	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6
30	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8
31	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.8	32.8	34.6	6.2
TOTAL	54.8	54.7	109.5	171.0	13.7	35.4	49.1	114.3	32.2	111.2	143.4	134.1

DIA	ABRIL				MAYO				JUNIO			
	PRECIPITACION mm		BRILLO SOL(h)	PRECIPITACION mm	PRECIPITACION mm		BRILLO SOL(h)	PRECIPITACION mm	PRECIPITACION mm		BRILLO SOL(h)	
DIA	NOCHE	TOTAL			DIA	NOCHE			TOTAL	DIA		NOCHE
1	0.0	0.0	0.0	.5	2.7	0.0	2.7	3.2	4.9	5.9	10.8	5.3
2	0.0	4.7	4.7	7.5	13.4	0.0	13.4	4.6	0.0	0.0	0.0	9.4
3	0.0	6.8	6.8	4.6	7.2	0.0	7.2	6.2	0.0	0.0	0.0	2.1
4	.1	10.6	10.7	3.4	0.0	2.0	2.0	5.5	.5	3.4	3.9	3.8
5	3.6	3.6	7.2	5.9	0.0	2.1	2.1	5.5	0.0	0.0	0.0	8.4
6	0.0	0.0	0.0	3.9	0.0	0.0	0.0	3.1	0.0	0.0	0.0	7.6
7	0.0	3.1	3.1	7.9	0.0	11.2	11.2	5.8	0.0	0.0	0.0	6.7
8	0.0	0.0	0.0	6.1	0.0	8.0	8.0	1.1	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	6.4	0.0	4.8	4.8	6.9	0.0	12.7	12.7	0.0
10	0.0	0.0	0.0	9.5	4.1	7.9	12.0	8.0	6.5	4.6	11.1	1.5
11	0.0	29.0	29.0	8.0	1.1	.4	1.5	6.3	0.0	0.0	0.0	.5
12	.5	.2	.7	6.9	.1	0.0	.1	.5	0.0	0.0	0.0	3.0
13	0.0	0.0	0.0	6.9	0.0	15.5	15.5	2.5	0.0	.9	.9	4.4
14	.9	17.0	17.9	3.6	0.0	0.0	0.0	2.1	0.0	0.0	0.0	3.3
15	.1	25.1	25.2	4.9	0.0	0.0	0.0	2.1	9.8	6.0	15.8	5.0
16	.9	0.0	.9	0.0	0.0	0.0	0.0	7.4	3.6	.4	4.0	8.5
17	0.0	3.4	3.4	5.6	0.0	0.0	0.0	2.6	0.0	0.0	0.0	7.7
18	0.0	0.0	0.0	7.9	0.0	0.0	0.0	5.9	0.0	0.0	0.0	7.5
19	0.0	0.0	0.0	4.8	.1	0.0	.1	6.0	0.0	0.0	0.0	7.4
20	13.4	18.0	31.4	4.1	0.0	47.1	47.1	5.1	0.0	0.0	0.0	7.3
21	.1	.2	.3	1.8	0.0	1.6	1.6	1.0	0.0	0.0	0.0	8.3
22	14.2	3.1	17.3	5.8	1.0	0.0	1.0	4.3	0.0	0.0	0.0	5.1
23	2.4	0.0	2.4	.3	3.6	7.1	10.7	7.0	0.0	26.1	26.1	2.9
24	0.0	0.0	0.0	.5	.3	0.0	.3	2.6	.1	0.0	.1	2.4
25	7.3	2.1	9.4	1.5	0.0	0.0	0.0	.5	0.0	3.0	3.0	3.8
26	0.0	6.0	6.0	3.4	0.0	0.0	0.0	5.4	0.0	0.0	0.0	7.1
27	.4	10.3	10.7	5.9	0.0	0.0	0.0	.8	0.0	0.0	0.0	.3
28	.1	6.5	6.6	2.1	0.0	17.0	17.0	6.9	0.0	0.0	0.0	8.6
29	0.0	0.0	0.0	5.0	8.1	0.0	8.1	.5	0.0	0.0	0.0	10.4
30	.5	.3	.8	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	6.2
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0
TOTAL	44.5	150.0	194.5	134.7	41.7	124.7	166.4	127.8	25.4	63.0	88.4	154.5

ESTACION: INGENIO RISARALDA

DPTO: RISARALDA

LATITUD : 04° 55'N

ANO : 1990

MPIO: BALBOA

LONGITUD: 75° 54'W  
ALTITUD : 1000 m.

DIA	JULIO				AGOSTO				SEPTIEMBRE			
	PRECIPITACION mm		BRILLO SOL(h)	TOTAL	PRECIPITACION mm		BRILLO SOL(h)	TOTAL	PRECIPITACION mm		BRILLO SOL(h)	TOTAL
DIA	NOCHE	TOTAL			DIA	NOCHE			DIA	NOCHE		
1	0.0	0.0	0.0	6.5	0.0	0.0	0.0	9.4	15.6	6.7	22.3	7.8
2	0.0	0.0	0.0	3.1	0.0	3.9	3.9	3.0	0.0	0.0	0.0	8.3
3	0.0	0.0	0.0	5.5	.1	0.0	.1	7.9	0.0	0.0	0.0	7.2
4	0.0	0.0	0.0	4.5	0.0	0.0	0.0	8.7	0.0	0.0	0.0	4.0
5	0.0	.2	.2	3.3	0.0	0.0	0.0	4.2	0.0	0.0	0.0	8.1
6	0.0	0.0	0.0	4.3	0.0	0.0	0.0	7.1	0.0	0.0	0.0	2.6
7	0.0	23.8	23.8	5.5	0.0	0.0	0.0	7.5	0.0	0.0	0.0	7.2
8	0.0	1.8	1.8	8.3	0.0	0.0	0.0	6.2	0.0	0.0	0.0	5.5
9	0.0	15.7	15.7	7.5	0.0	0.0	0.0	7.5	.2	0.0	.2	4.1
10	.6	0.0	.6	4.2	0.0	0.0	0.0	2.2	0.0	0.0	0.0	5.0
11	0.0	.1	.1	4.3	0.0	0.0	0.0	7.2	0.0	10.9	10.9	4.0
12	0.0	27.8	27.8	5.1	0.0	0.0	0.0	8.2	0.0	.3	.3	5.4
13	0.0	0.0	0.0	5.9	0.0	0.0	0.0	3.3	3.0	.2	3.2	8.6
14	0.0	0.0	0.0	4.1	0.0	0.0	0.0	2.5	8.3	0.0	8.3	3.3
15	0.0	0.0	0.0	4.4	0.0	0.0	0.0	4.9	0.0	0.0	0.0	4.6
16	.5	0.0	.5	3.5	0.0	0.0	0.0	6.5	0.0	0.0	0.0	4.9
17	0.0	13.5	13.5	4.7	0.0	0.0	0.0	7.7	0.0	0.0	0.0	9.2
18	0.0	4.7	4.7	6.8	0.0	0.0	0.0	1.9	0.0	0.0	0.0	4.7
19	.6	0.0	.6	8.0	0.0	0.0	0.0	5.7	0.0	.9	.9	3.7
20	0.0	30.6	30.6	10.1	0.0	0.0	0.0	2.0	0.0	0.0	0.0	4.4
21	0.0	1.6	1.6	9.3	0.0	0.0	0.0	3.5	0.0	64.1	64.1	6.4
22	0.0	0.0	0.0	6.5	0.0	0.0	0.0	7.2	.3	1.2	1.5	4.7
23	0.0	0.0	0.0	7.1	0.0	0.0	0.0	8.1	1.7	0.0	1.7	4.4
24	0.0	.1	.1	8.8	0.0	0.0	0.0	6.6	0.0	0.0	0.0	6.5
25	0.0	0.0	0.0	9.2	0.0	.8	.8	9.4	9.9	.5	10.4	5.6
26	0.0	0.0	0.0	3.4	0.0	0.0	0.0	5.6	0.0	1.6	1.6	7.0
27	0.0	0.0	0.0	6.5	18.7	12.9	31.6	7.0	0.0	0.0	0.0	6.3
28	0.0	.2	.2	9.1	.3	0.0	.3	2.9	0.0	0.0	0.0	5.7
29	0.0	3.2	3.2	8.6	0.0	0.0	0.0	6.4	0.0	0.0	0.0	5.9
30	0.0	0.0	0.0	7.9	0.0	2.3	2.3	5.3	0.0	11.6	11.6	4.2
31	0.0	0.0	0.0	8.3	0.0	0.0	0.0	9.0				
TOTAL	1.7	123.3	125.0	194.3	19.1	19.9	39.0	184.6	39.0	98.0	137.0	169.3

DIA	OCTUBRE				NOVIEMBRE				DICIEMBRE			
	PRECIPITACION mm		BRILLO SOL(h)	TOTAL	PRECIPITACION mm		BRILLO SOL(h)	TOTAL	PRECIPITACION mm		BRILLO SOL(h)	TOTAL
DIA	NOCHE	TOTAL			DIA	NOCHE			DIA	NOCHE		
1	0.0	15.8	15.8	5.2	0.0	0.0	0.0	6.2	0.0	9.5	9.5	5.9
2	2.2	0.0	2.2	2.0	8.2	.2	8.4	4.8	3.1	0.0	3.1	3.8
3	0.0	0.0	0.0	6.8	0.0	1.2	1.2	2.0	0.0	1.6	1.6	3.9
4	0.0	0.0	0.0	5.7	5.3	0.0	5.3	.1	2.7	24.4	27.1	5.8
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	10.2	10.2	.1
6	0.0	2.1	2.1	6.5	0.0	0.0	0.0	9.1	.1	.1	.2	4.7
7	0.0	35.0	35.0	1.4	.5	0.0	.5	7.2	0.0	0.0	0.0	5.1
8	.6	0.0	.6	3.6	0.0	4.8	4.8	4.1	.1	.5	.6	3.4
9	4.7	0.0	4.7	5.0	0.0	8.9	8.9	2.9	0.0	0.0	0.0	8.9
10	0.0	0.0	0.0	1.7	0.0	0.0	0.0	9.5	0.0	0.0	0.0	9.1
11	0.0	62.3	62.3	3.8	0.0	0.0	0.0	9.5	0.0	0.0	0.0	8.0
12	.4	.5	.9	3.0	0.0	0.0	0.0	6.9	0.0	0.0	0.0	9.3
13	0.0	1.6	1.6	4.8	0.0	0.0	0.0	7.7	0.0	0.0	0.0	9.7
14	0.0	23.8	23.8	6.5	0.0	0.0	0.0	6.4	0.0	0.0	0.0	5.3
15	.8	0.0	.8	3.4	0.0	.6	.6	7.0	.1	0.0	.1	9.6
16	0.0	13.3	13.3	8.4	0.0	20.3	20.3	7.6	0.0	.5	.5	5.1
17	0.0	12.3	12.3	4.9	0.0	.8	.8	4.2	0.0	0.0	0.0	5.7
18	0.0	.6	.6	6.8	.5	0.0	.5	0.0	.1	0.0	.1	6.2
19	.5	22.9	23.4	5.2	0.0	.4	.4	9.8	0.0	0.0	0.0	1.2
20	0.0	0.0	0.0	.8	0.0	0.0	0.0	3.5	0.0	0.0	0.0	7.3
21	0.0	0.0	0.0	5.2	1.3	.1	1.4	1.1	0.0	0.0	0.0	1.8
22	16.3	0.0	16.3	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	.3
23	0.0	0.0	0.0	4.4	.4	.5	.9	3.2	0.0	1.3	1.3	5.1
24	0.0	0.0	0.0	2.2	.5	0.0	.5	4.0	.7	1.2	1.9	2.3
25	0.0	21.9	21.9	8.9	0.0	0.0	0.0	10.0	0.0	0.0	0.0	6.1
26	0.0	0.0	0.0	8.9	0.0	0.0	0.0	7.6	0.0	13.8	13.8	6.8
27	0.0	1.0	1.0	6.3	0.0	0.0	0.0	2.3	0.0	11.7	11.7	.1
28	0.0	.2	.2	7.5	1.4	0.0	1.4	2.5	0.0	0.0	0.0	1.4
29	13.3	.2	13.5	5.3	0.0	0.0	0.0	7.7	10.7	.1	10.8	6.6
30	0.0	4.9	4.9	6.8	0.0	.1	.1	6.5	1.4	0.0	1.4	6.8
31	0.0	3.1	3.1	7.1					.1	0.0	.1	4.3
TOTAL	38.8	221.5	260.3	148.1	18.1	37.9	56.0	160.2	19.1	74.9	94.0	159.7



ESTACION: AGUASBLANCAS

DPTO: SANTANDER

LATITUD : 06° 50'N

ANO : 1990

MPIO: SAN VICENTE

LONGITUD: 73° 29'W  
ALTITUD : 920 m.

DIA	ENERO				FEBRERO				MARZO			
	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)
	DIA	NOCHE	TOTAL		DIA	NOCHE	TOTAL		DIA	NOCHE	TOTAL	
1	.3	0.0	.3	2.6	0.0	0.0	0.0	3.2	0.0	0.0	0.0	6.1
2	.3	0.0	.3	2.3	.1	0.0	.1	1.6	0.0	4.9	4.9	4.0
3	.8	.1	.9	3.0	3.3	.7	4.0	.3	13.4	0.0	13.4	2.0
4	0.0	0.0	0.0	4.0	.6	85.4	86.0	.8	0.0	2.3	2.3	.5
5	0.0	0.0	0.0	1.5	2.1	0.0	2.1	0.0	0.0	.9	.9	.3
6	2.6	.1	2.7	2.9	0.0	0.0	0.0	1.3	0.0	2.0	2.0	7.5
7	0.0	0.0	0.0	0.0	6.3	6.3	12.6	.8	.6	.4	1.0	1.9
8	0.0	0.0	0.0	2.0	4.3	0.0	4.3	.8	0.0	0.0	0.0	3.1
9	0.0	0.0	0.0	.3	0.0	0.0	0.0	.7	0.0	0.0	0.0	5.8
10	0.0	0.0	0.0	2.0	0.0	0.0	0.0	1.5	12.7	0.0	12.7	.5
11	0.0	0.0	0.0	4.4	0.0	.6	.6	1.2	0.0	0.0	0.0	1.1
12	0.0	7.6	7.6	2.2	.3	0.0	.3	2.2	0.0	0.0	0.0	1.9
13	0.0	.2	.2	2.7	0.0	0.0	0.0	1.6	0.0	0.0	0.0	6.4
14	0.0	0.0	0.0	2.0	0.0	0.0	0.0	2.5	0.0	4.0	4.0	1.2
15	.3	0.0	.3	2.7	0.0	0.0	0.0	5.2	0.0	0.0	0.0	1.6
16	0.0	0.0	0.0	4.4	0.0	0.0	0.0	7.2	0.0	0.0	0.0	.2
17	0.0	0.0	0.0	3.8	0.0	0.0	0.0	7.1	0.0	0.0	0.0	4.5
18	0.0	0.0	0.0	1.3	0.0	12.9	12.9	6.7	0.0	0.0	0.0	.6
19	1.5	0.0	1.5	3.8	4.9	0.0	4.9	.2	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	1.3	0.0	0.0	0.0	.6	0.0	3.0	3.0	3.4
21	0.0	.6	.6	3.5	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	.6	0.0	0.0	0.0	2.4	0.0	0.0	0.0	2.7
23	0.0	0.0	0.0	3.8	0.0	10.2	10.2	4.5	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	3.9	.1	2.7	2.8	1.9	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	3.9	0.0	0.0	0.0	7.0	0.0	0.0	0.0	2.2
26	33.8	0.0	33.8	.2	0.0	0.0	0.0	7.1	0.0	56.0	56.0	3.2
27	0.0	0.0	0.0	4.3	0.0	.8	.8	7.4	0.0	0.0	0.0	1.4
28	0.0	0.0	0.0	6.2	0.0	0.0	0.0	7.2	0.0	77.0	77.0	8.2
29	0.0	0.0	0.0	5.8					0.0	3.0	3.0	4.7
30	0.0	0.0	0.0	2.9					0.0	0.0	0.0	4.0
31	0.0	0.0	0.0	1.5					0.0	10.0	10.0	3.3
TOTAL	39.6	8.6	48.2	85.8	22.0	119.6	141.6	86.9	26.7	163.5	190.2	

DIA	ABRIL				MAYO				JUNIO			
	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)
	DIA	NOCHE	TOTAL		DIA	NOCHE	TOTAL		DIA	NOCHE	TOTAL	
1	0.0	0.0	0.0	1.1					.2	0.0	.2	1.2
2	0.0	0.0	0.0	1.1					0.0	0.0	0.0	7.4
3	0.0	17.0	17.0	3.2					0.0	0.0	0.0	5.9
4	0.0	38.0	38.0	.5					.2	0.0	.2	2.0
5	0.0	0.0	0.0	1.5					0.0	0.0	0.0	6.5
6	0.0	0.0	0.0	.2					0.0	0.0	0.0	9.1
7	0.0	0.0	0.0	8.4					0.0	0.0	0.0	.6
8	0.0	0.0	0.0	6.8					.6	0.0	.6	7.0
9	0.0	0.0	0.0	9.1	.1	0.0	.1	4.5	.1	.2	.3	4.3
10	0.0	0.0	0.0	7.1	.2	.4	.6	3.5	.1	1.0	1.1	.5
11	0.0	0.0	0.0	8.2	.1	0.0	.1	.7	17.7	0.0	17.7	.5
12	0.0	10.0	10.0	.3	0.0	.2	.2	3.2	0.0	0.0	0.0	7.6
13					24.9	3.5	28.4	2.2	0.0	17.4	17.4	3.9
14					8.8	2.3	11.1	.6	0.0	.8	.8	4.6
15					0.0	.2	.2	5.1	0.0	4.9	4.9	4.8
16					15.3	0.0	15.3	5.5	0.0	0.0	0.0	2.9
17					.1	0.0	.1	2.2	0.0	.7	.7	4.7
18					.2	1.9	2.1	2.4	0.0	0.0	0.0	8.2
19					0.0	.4	.4	6.0	0.0	0.0	0.0	4.9
20					.1	0.0	.1	6.9	.1	0.0	.1	3.2
21					.1	0.0	.1	2.4	.1	0.0	.1	6.4
22					.1	.8	.9	.3	0.0	0.0	0.0	3.7
23					22.2	1.0	23.2	.5	4.5	.4	4.9	2.1
24					.4	.7	1.1	5.4	0.0	0.0	0.0	3.4
25					.3	0.0	.3	1.4	0.0	0.0	0.0	4.2
26					0.0	5.3	5.3	4.5	0.0	.7	.7	3.7
27					2.1	0.0	2.1	3.4	1.0	3.1	4.1	2.8
28					0.0	.4	.4	3.6	0.0	0.0	0.0	2.1
29					7.0	0.0	7.0	1.6	0.0	.2	.2	8.6
30					0.0	0.0	0.0	7.8	0.0	1.8	1.8	7.5
31					.1	2.6	2.7	6.2				
TOTAL									24.6	31.2	55.8	134.3

ESTACION: AGUASBLANCAS

DPTO: SANTANDER

LATITUD : 06° 50'N

ANO : 1990

MPIO: SAN VICENTE

LONGITUD: 73° 29'W

ALTITUD : 920 m.

DIA	JULIO				AGOSTO				SEPTIEMBRE			
	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)
	DIA	NOCHE	TOTAL		DIA	NOCHE	TOTAL		DIA	NOCHE	TOTAL	
1	.6	2.3	2.9	7.5	1.6	0.0	1.6	6.4	0.0	0.0	0.0	5.6
2	0.0	0.0	0.0	5.2	1.1	.1	1.2	5.8	.3	28.3	28.6	2.2
3	0.0	0.0	0.0	5.9	.4	0.0	.4	5.7	0.0	0.0	0.0	1.6
4	0.0	3.4	3.4	3.2	0.0	0.0	0.0	5.0	0.0	0.0	0.0	4.6
5	0.0	11.0	11.0	.7	0.0	.4	.4	5.9	0.0	2.3	2.3	6.3
6	2.5	2.1	4.6	4.2	13.5	3.6	17.1	3.5	0.0	0.0	0.0	6.2
7	0.0	.3	.3	8.4	.2	18.5	18.7	7.3	.1	0.0	.1	1.9
8	0.0	0.0	0.0	3.1	0.0	.5	.5	6.2	2.8	.1	2.9	6.4
9	0.0	.8	.8	.9	0.0	.1	.1	7.8	3.1	.2	3.3	3.4
10	3.4	1.0	4.4	2.2	.6	0.0	.6	.4	0.0	0.0	0.0	3.5
11	0.0	0.0	0.0	5.9	0.0	0.0	0.0	1.7	0.0	0.0	0.0	6.5
12	0.0	0.0	0.0	5.7	0.0	12.0	12.0	6.0	0.0	0.0	0.0	2.5
13	1.9	3.2	5.1	4.2	5.1	4.4	9.5	2.5	.2	.8	1.0	5.1
14	0.0	1.8	1.8	4.3	0.0	0.0	0.0	5.4	0.0	6.5	6.5	2.5
15	1.7	0.0	1.7	3.0	.8	7.8	8.6	1.6	0.0	0.0	0.0	5.6
16	1.1	0.0	1.1	1.3	4.7	0.0	4.7	6.4	1.9	3.3	5.2	6.5
17	2.4	2.8	5.2	2.9	0.0	.6	.6	8.1	0.0	0.0	0.0	8.5
18	0.0	.2	.2	6.9	1.3	.2	1.5	3.2	0.0	1.5	1.5	4.4
19	.6	0.0	.6	3.0	0.0	0.0	0.0	3.2	5.3	.1	5.4	6.5
20	1.2	0.0	1.2	8.0	1.6	0.0	1.6	4.1	0.0	.2	.2	.7
21	.2	0.0	.2	4.3	0.0	0.0	0.0	5.8	0.0	4.7	4.7	4.6
22	.4	0.0	.4	2.6	0.0	.9	.9	7.2	0.0	1.6	1.6	.9
23	22.5	2.2	24.7	4.9	13.8	0.0	13.8	3.5	.4	.2	.6	5.0
24	0.0	.2	.2	7.3	44.4	0.0	44.4	3.0	0.0	0.0	0.0	3.7
25	0.0	0.0	0.0	5.7	.3	0.0	.3	4.7	0.0	.9	.9	1.5
26	1.6	0.0	1.6	6.4	.3	6.5	6.8	5.8	0.0	0.0	0.0	5.3
27	.1	.1	.2	4.7	0.0	.9	.9	2.3	0.0	0.0	0.0	1.7
28	10.8	0.0	10.8	2.0	57.6	1.7	59.3	1.5	0.0	0.0	0.0	.5
29	23.6	0.0	23.6	3.7	0.0	2.4	2.4	5.1	1.0	0.0	1.0	4.4
30	12.1	4.5	16.6	7.1	0.0	0.0	0.0	7.1	1.9	0.0	1.9	4.8
31	1.1	0.0	1.1	5.5	.2	0.0	.2	6.2				
TOTAL	87.8	35.9	123.7	140.7	147.5	60.6	208.1	148.4	17.0	50.7	67.7	122.9

DIA	OCTUBRE				NOVIEMBRE				DICIEMBRE			
	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)
	DIA	NOCHE	TOTAL		DIA	NOCHE	TOTAL		DIA	NOCHE	TOTAL	
1	0.0	2.0	2.0	2.3	0.0	0.0	0.0	1.8	0.0	0.0	0.0	2.4
2	.6	13.6	14.2	.3	1.8	.9	2.7	1.3	11.3	9.1	20.4	2.0
3	.1	0.0	.1	1.7	1.8	.2	2.0	2.5	0.0	0.0	0.0	.5
4	0.0	25.2	25.2	5.9	0.0	0.0	0.0	5.0	.2	27.0	27.2	1.9
5	17.1	0.0	17.1	.3	0.0	0.0	0.0	3.8	13.5	.3	13.8	0.0
6	.6	21.3	21.9	2.1	.4	0.0	.4	1.1	0.0	15.1	15.1	2.2
7	.9	14.2	15.1	2.4	.1	9.7	9.8	1.5	3.1	49.4	52.5	3.0
8	.3	0.0	.3	1.3	0.0	0.0	0.0	2.3	23.0	48.1	71.1	1.1
9	0.0	3.6	3.6	3.7	0.0	0.0	0.0	4.2	0.0	0.0	0.0	3.3
10	0.0	0.0	0.0	5.0	0.0	0.0	0.0	.3	0.0	0.0	0.0	6.9
11	.1	10.4	10.5	2.5	0.0	0.0	0.0	3.2	0.0	0.0	0.0	2.6
12	5.4	1.0	6.4	.8	0.0	0.0	0.0	3.9	0.0	0.0	0.0	4.7
13	0.0	0.0	0.0	4.7	0.0	0.0	0.0	4.8	0.0	0.0	0.0	1.0
14	.1	0.0	.1	2.5	0.0	0.0	0.0	4.6	0.0	0.0	0.0	7.0
15	.2	.5	.7	6.2	.1	0.0	.1	2.0	0.0	0.0	0.0	7.3
16	0.0	0.0	0.0	3.5	0.0	18.6	18.6	4.6	.1	0.0	.1	4.2
17	0.0	2.6	2.6	2.3	0.0	7.1	7.1	5.7	0.0	0.0	0.0	5.4
18	0.0	0.0	0.0	2.1	18.3	5.7	24.0	0.0	0.0	0.0	0.0	3.6
19	0.0	0.0	0.0	3.9	1.1	0.0	1.1	.8	0.0	0.0	0.0	3.6
20	7.0	4.8	11.8	1.4	0.0	0.0	0.0	6.3	0.0	0.0	0.0	6.1
21	1.5	1.8	3.3	3.3	3.0	0.0	3.0	.3	0.0	0.0	0.0	4.6
22	0.0	0.0	0.0	.7	0.0	0.0	0.0	2.8	0.0	0.0	0.0	7.2
23	.3	.4	.7	1.5	0.0	2.9	2.9	5.2	0.0	0.0	0.0	4.3
24	0.0	.9	.9	2.0	.2	1.3	1.5	3.3	0.0	0.0	0.0	3.6
25	0.0	0.0	0.0	1.2	.1	0.0	.1	1.4	0.0	0.0	0.0	1.3
26	0.0	21.7	21.7	4.4	0.0	1.0	1.0	4.4	0.0	0.0	0.0	3.9
27	.5	11.0	11.5	3.8	0.0	0.0	0.0	.5	.1	0.0	.1	.8
28	0.0	0.0	0.0	5.2	1.4	1.2	2.6	2.5	0.0	0.0	0.0	.2
29	0.0	2.1	2.1	2.2	1.0	0.0	1.0	3.1	0.0	2.1	2.1	5.1
30	0.0	26.4	26.4	2.8	0.0	0.0	0.0	.2	0.0	27.4	27.4	3.5
31	20.0	1.5	21.5	2.4					1.3	.4	1.7	4.4
TOTAL	54.7	165.0	219.7	84.4	29.3	48.6	77.9	83.4	52.6	178.9	231.5	107.7

ESTACION: LUIS BUSTAMANTE

DPTO: TOLIMA

LATITUD : 03° 55'N

ANO : 1990

MPIO: VILLARRICA

LONGITUD: 74° 34'W

ALTITUD : 1610 m.

DIA	ENERO				FEBRERO				MARZO			
	PRECIPITACION mm		BRILLO SOL(h)	PRECIPITACION mm	PRECIPITACION mm		BRILLO SOL(h)	PRECIPITACION mm	PRECIPITACION mm		BRILLO SOL(h)	
DIA	NOCHE	TOTAL			DIA	NOCHE			TOTAL	DIA		NOCHE
1	.4	2.9	3.3	1.1	0.0	0.0	0.0	4.0	0.0	23.0	23.0	4.7
2	1.6	0.0	1.6	.8	1.1	32.5	33.6	2.8	.4	49.9	50.3	1.5
3	.2	0.0	.2	2.4	0.0	0.0	0.0	.8	5.3	0.0	5.3	1.8
4	0.0	0.0	0.0	4.2	.7	1.5	2.2	2.8	3.7	15.3	19.0	1.6
5	0.0	.5	.5	.1	0.0	40.0	40.0	0.0	.5	0.0	.5	.7
6	13.4	5.5	18.9	.8	4.5	0.0	4.5	.1	0.0	0.0	0.0	2.5
7	9.9	0.0	9.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5
8	0.0	0.0	0.0	3.1	0.0	0.0	0.0	2.4	0.0	0.0	0.0	1.1
9	.6	18.9	19.5	1.4	0.0	8.1	8.1	1.1	1.6	1.1	2.7	1.3
10	3.0	0.0	3.0	.1	0.0	0.0	0.0	2.1	.9	0.0	.9	.5
11	0.0	0.0	0.0	2.6	2.0	2.5	4.5	2.0	0.0	0.0	0.0	1.4
12	.5	0.0	.5	.2	7.2	8.7	15.9	0.0	1.5	0.0	1.5	3.9
13	0.0	0.0	0.0	1.1	.2	0.0	.2	0.0	0.0	0.0	0.0	4.4
14	0.0	0.0	0.0	.7	0.0	0.0	0.0	3.6	.7	0.0	.7	.9
15	0.0	0.0	0.0	2.1	.6	23.1	23.7	2.7	0.0	.3	.3	.9
16	0.0	.2	.2	4.6	0.0	0.0	0.0	3.0	14.0	0.0	14.0	1.9
17	0.0	0.0	0.0	2.5	0.0	.2	.2	5.1	0.0	9.2	9.2	5.3
18	.5	0.0	.5	4.2	0.0	43.0	43.0	.1	9.7	0.0	9.7	.2
19	0.0	6.6	6.6	4.1	10.9	1.1	12.0	0.0	.8	0.0	.8	4.6
20	2.3	0.0	2.3	3.0	5.4	0.0	5.4	1.0	0.0	0.0	0.0	.5
21	16.2	0.0	16.2	2.7	6.5	.4	6.9	1.6	.9	0.0	.9	.5
22	1.4	0.0	1.4	1.8	0.0	.3	.3	.6	0.0	0.0	0.0	5.8
23	1.7	0.0	1.7	4.2	.8	0.0	.8	.2	30.9	1.0	31.9	.8
24	0.0	0.0	0.0	2.3	.7	0.0	.7	3.1	1.9	3.5	5.4	1.1
25	.1	0.0	.1	5.4	0.0	0.0	0.0	4.6	21.7	18.0	39.7	0.0
26	17.8	1.5	19.3	1.0	0.0	0.0	0.0	.3	11.6	.4	12.0	.7
27	0.0	0.0	0.0	5.2	0.0	0.0	0.0	.4	0.0	0.0	0.0	4.0
28	0.0	0.0	0.0	5.5	0.0	0.0	0.0	2.3	0.0	0.0	0.0	5.2
29	0.0	0.0	0.0	4.3	0.0	0.0	0.0	.4	0.0	0.0	0.0	5.8
30	0.0	0.0	0.0	4.6	.7	.2	.9	.9	.7	.2	.9	4.1
31	0.0	0.0	0.0	4.0	1.5	6.4	7.9	2.0	1.5	6.4	7.9	2.0
TOTAL	69.6	36.1	105.7	81.4	40.6	161.4	202.0	46.7	108.3	128.3	236.6	73.2

DIA	ABRIL				MAYO				JUNIO			
	PRECIPITACION mm		BRILLO SOL(h)	PRECIPITACION mm	PRECIPITACION mm		BRILLO SOL(h)	PRECIPITACION mm	PRECIPITACION mm		BRILLO SOL(h)	
DIA	NOCHE	TOTAL			DIA	NOCHE			TOTAL	DIA		NOCHE
1	9.3	0.0	9.3	1.8	0.0	5.3	5.3	1.2	10.5	0.0	10.5	3.1
2	0.0	11.5	11.5	3.0	3.3	1.2	4.5	1.2	0.0	0.0	0.0	5.4
3	2.3	0.0	2.3	.7	.8	10.6	11.4	2.6	0.0	0.0	0.0	6.3
4	8.6	.1	8.7	3.0	1.0	15.8	16.8	2.7	0.0	0.0	0.0	1.8
5	.7	1.4	2.1	.5	10.3	.2	10.5	3.5	0.0	0.0	0.0	3.4
6	6.4	.7	7.1	0.0	.8	0.0	.8	.7	0.0	0.0	0.0	8.4
7	0.0	0.0	0.0	2.7	.3	0.0	.3	2.9	0.0	0.0	0.0	6.2
8	0.0	0.0	0.0	4.2	2.0	0.0	2.0	.9	0.0	0.0	0.0	.5
9	0.0	0.0	0.0	7.3	.3	0.0	.3	5.2	.4	0.0	.4	.7
10	0.0	0.0	0.0	3.6	3.9	1.6	5.5	4.9	3.3	1.2	4.5	.6
11	1.9	0.0	1.9	.7	.2	.7	.9	2.4	.2	0.0	.2	6.0
12	7.3	0.0	7.3	2.2	.3	.4	.7	1.3	0.0	.1	.1	2.8
13	0.0	3.7	3.7	1.9	.5	1.9	2.4	2.1	.2	0.0	.2	2.2
14	2.3	1.1	3.4	1.2	3.6	.1	3.7	4.5	2.4	0.0	2.4	.2
15	0.0	4.9	4.9	4.6	0.0	0.0	0.0	1.6	0.0	.2	.2	1.2
16	21.0	0.0	21.0	.7	0.0	0.0	0.0	4.1	5.5	.4	5.9	0.0
17	0.0	0.0	0.0	3.6	0.0	.3	.3	1.8	7.3	0.0	7.3	3.7
18	11.4	0.0	11.4	2.3	7.3	.1	7.4	3.0	0.0	0.0	0.0	3.9
19	0.0	0.0	0.0	.2	8.2	.5	8.7	.5	0.0	0.0	0.0	1.5
20	9.5	0.0	9.5	1.2	2.2	0.0	2.2	2.2	0.0	0.0	0.0	3.1
21	1.5	0.0	1.5	.5	3.6	0.0	3.6	2.2	0.0	0.0	0.0	3.3
22	5.2	8.1	13.3	3.1	21.4	0.0	21.4	.3	3.2	0.0	3.2	.7
23	0.0	23.3	23.3	2.8	21.5	.6	22.1	2.0	0.0	0.0	0.0	1.4
24	9.3	0.0	9.3	0.0	5.5	0.0	5.5	1.6	5.3	0.0	5.3	1.5
25	.6	.1	.7	0.0	4.5	.5	5.0	1.5	0.0	0.0	0.0	8.1
26	8.2	0.0	8.2	0.0	1.9	0.0	1.9	1.9	0.0	0.0	0.0	.1
27	2.8	0.0	2.8	1.1	.8	0.0	.8	2.9	.1	0.0	.1	1.1
28	8.1	6.2	14.3	2.1	4.2	3.9	8.1	1.2	.7	0.0	.7	2.9
29	5.4	7.4	12.8	1.6	21.0	1.9	22.9	1.1	0.0	0.0	0.0	1.8
30	4.3	0.0	4.3	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	3.9
31					.2	0.0	.2	2.9				
TOTAL	126.1	68.5	194.6	56.6	129.6	45.6	175.2	66.2	39.1	1.9	41.0	

ESTACION: LUIS BUSTAMANTE

DPTO: TOLIMA

LATITUD : 03° 55'N

AÑO : 1990

MPIO: VILLARRICA

LONGITUD : 74° 34'W

ALTITUD : 1610 m.

DIA	JULIO				AGOSTO				SEPTIEMBRE			
	PRECIPITACION mm			BRILLO	PRECIPITACION mm			BRILLO	PRECIPITACION mm			BRILLO
	DIA	NOCHE	TOTAL	SOL(h)	DIA	NOCHE	TOTAL	SOL(h)	DIA	NOCHE	TOTAL	SOL(h)
1	0.0	0.0	0.0	2.1	0.0	0.0	0.0	2.8	1.8	0.0	1.8	1.6
2	0.0	0.0	0.0	3.4	0.0	0.0	0.0	3.2	3.9	0.0	3.9	4.1
3	.4	0.0	.4	1.5	0.0	0.0	0.0	2.6	.1	5.9	6.0	1.8
4	1.4	.4	1.8	1.5	0.0	0.0	0.0	2.8	0.0	0.0	0.0	3.3
5	9.6	0.0	9.6	.1	0.0	0.0	0.0	4.4	0.0	0.0	0.0	3.6
6	1.4	0.0	1.4	.4	0.0	.1	.1	2.9	0.0	0.0	0.0	4.3
7	0.0	0.0	0.0	4.3	1.5	0.0	1.5	1.2	0.0	0.0	0.0	3.2
8	5.8	0.0	5.8	4.1	0.0	0.0	0.0	2.0	.1	0.0	.1	3.1
9	2.4	0.0	2.4	2.9	.4	.5	.9	.9	0.0	0.0	0.0	.9
10	7.7	1.0	8.7	.2	3.8	0.0	3.8	1.2	0.0	0.0	0.0	3.8
11	.3	3.6	3.9	3.2	.2	0.0	.2	2.5	0.0	0.0	0.0	1.6
12	0.0	0.0	0.0	3.5	.1	0.0	.1	1.4	0.0	0.0	0.0	4.5
13	.5	0.0	.5	2.5	0.0	0.0	0.0	5.3	2.6	.6	3.2	2.5
14	.4	.1	.5	1.4	3.2	0.0	3.2	.1	0.0	1.5	1.5	1.6
15	2.4	0.0	2.4	3.4	0.0	0.0	0.0	1.9	0.0	0.0	0.0	2.2
16	3.6	.2	3.8	2.1	.9	0.0	.9	2.6	0.0	0.0	0.0	4.5
17	2.3	0.0	2.3	1.4	0.0	0.0	0.0	4.9	0.0	0.0	0.0	8.3
18	1.9	4.3	6.2	4.9	0.0	0.0	0.0	1.7	0.0	.1	.1	5.3
19	0.0	0.0	0.0	2.6	.2	0.0	.2	3.6	4.0	0.0	4.0	.9
20	0.0	7.7	7.7	7.2	0.0	0.0	0.0	2.6	1.4	0.0	1.4	3.9
21	2.0	0.0	2.0	.9	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
22	5.4	0.0	5.4	4.1	0.0	0.0	0.0	5.2	6.5	0.0	6.5	3.3
23	3.7	0.0	3.7	2.5	0.0	0.0	0.0	6.3	2.2	0.0	2.2	0.0
24	0.0	0.0	0.0	7.3	0.0	0.0	0.0	2.1	6.1	0.0	6.1	0.0
25	0.0	0.0	0.0	7.2	9.5	0.0	9.5	.8	3.6	0.0	3.6	1.1
26	0.0	0.0	0.0	5.8	15.2	0.0	15.2	2.1	2.0	0.0	2.0	0.0
27	1.0	0.0	1.0	2.6	2.2	.1	2.3	2.1	0.0	0.0	0.0	0.0
28	8.0	.1	8.1	1.4	2.3	0.0	2.3	.2	0.0	1.2	1.2	.2
29	0.0	0.0	0.0	4.7	15.3	.1	15.4	.3	0.0	0.0	0.0	.1
30	.9	0.0	.9	.8	0.0	.1	.1	4.3	0.0	0.0	0.0	.1
31	0.0	0.0	0.0	2.9	5.3	0.0	5.3	1.6				
TOTAL	61.1	17.4	78.5	92.9	60.1	.9	61.0	78.6	34.3	9.3	43.6	69.8

DIA	OCTUBRE				NOVIEMBRE				DICIEMBRE			
	PRECIPITACION mm			BRILLO	PRECIPITACION mm			BRILLO	PRECIPITACION mm			BRILLO
	DIA	NOCHE	TOTAL	SOL(h)	DIA	NOCHE	TOTAL	SOL(h)	DIA	NOCHE	TOTAL	SOL(h)
1	3.0	0.0	3.0	1.0	9.2	0.0	9.2	1.7	0.0	0.0	0.0	4.7
2	2.8	0.0	2.8	0.0	3.0	5.9	8.9	.8	1.0	14.6	15.6	.2
3	0.0	0.0	0.0	2.5	14.1	3.2	17.3	.8	2.8	0.0	2.8	.1
4	7.4	0.0	7.4	.5	2.5	0.0	2.5	.4	1.1	30.9	32.0	
5	2.9	0.0	2.9	.9	2.3	0.0	2.3	2.3	18.7	0.0	18.7	
6	9.8	3.5	13.3	.7	1.4	0.0	1.4	3.0	0.0	.7	.7	2.6
7	2.8	4.7	7.5	1.7	0.0	.1	.1	4.8	0.0	0.0	0.0	.9
8	0.0	0.0	0.0		17.1	0.0	17.1	.5	27.7	.4	28.1	.1
9	6.3	0.0	6.3	.6	0.0	1.6	1.6	1.9	0.0	0.0	0.0	4.2
10	7.6	0.0	7.6	.5	6.9	0.0	6.9	1.1	0.0	0.0	0.0	6.9
11	3.8	0.0	3.8	.5	0.0	0.0	0.0	4.8	2.9	0.0	2.9	2.2
12	14.2	0.0	14.2	.4	0.0	0.0	0.0	2.3	0.0	0.0	0.0	1.1
13	3.6	0.0	3.6	2.2	0.0	0.0	0.0	3.5	0.0	0.0	0.0	4.0
14	0.0	0.0	0.0		.4	0.0	.4	1.6	2.5	0.0	2.5	.7
15	0.0	0.0	0.0	2.7	.1	0.0	.1	3.9	0.0	.2	.2	4.3
16	1.4	0.0	1.4	2.8	0.0	0.0	0.0	2.0	0.0	0.0	0.0	4.2
17	0.0	0.0	0.0	2.3	.6	25.8	26.4	4.0	0.0	0.0	0.0	4.0
18	0.0	0.0	0.0		.2	.3	.5	.1	0.0	0.0	0.0	4.2
19	9.6	29.7	39.3	.8	1.0	.7	1.7	1.7	3.9	0.0	3.9	2.7
20	10.3	.2	10.5	.2	2.8	0.0	2.8	2.1	0.0	0.0	0.0	3.4
21	1.4	0.0	1.4		28.0	0.0	28.0	.2	0.0	0.0	0.0	5.2
22	7.9	0.0	7.9	.5	9.7	5.1	14.8	1.0	0.0	0.0	0.0	4.2
23	18.8	0.0	18.8	2.0	1.6	74.7	76.3	1.9	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	6.3	6.3	0.0	0.0	0.0	0.0	
25	0.0	0.0	0.0	3.9	2.3	5.1	7.4		0.0	0.0	0.0	1.0
26	0.0	8.1	8.1		.3	0.0	.3		.2	.3	.5	.9
27	18.7	0.0	18.7	1.1	4.6	0.0	4.6	1.3	.4	0.0	.4	.6
28	14.6	0.0	14.6	2.8	.4	0.0	.4	1.1	15.6	0.0	15.6	.6
29	9.6	0.0	9.6	1.9	4.4	35.3	39.7	1.8	.4	5.4	5.8	4.0
30	0.0	12.5	12.5	2.0	1.6	0.0	1.6	.2	1.8	9.2	11.0	2.3
31	10.9	0.0	10.9	1.4					.2	2.9	3.1	2.0
TOTAL	167.4	58.7	226.1		114.5	164.1	278.6		79.2	64.6	143.8	

ESTACION: LA MONTANA

DPTO: TOLIMA

LATITUD : 03° 33'N

LONGITUD: 74° 54'W

AÑO : 1990

MPIO: DOLORES

ALTITUD : 1260 m.

DIA	ENERO				FEBRERO				MARZO			
	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)
	DIA	NOCHE	TOTAL		DIA	NOCHE	TOTAL		DIA	NOCHE	TOTAL	
1	0.0	5.7	5.7	1.2	0.0	0.0	0.0	5.9	0.0	0.0	0.0	5.9
2	0.0	0.0	0.0	2.9	0.0	7.9	7.9	6.9	0.2	0.0	0.2	1.1
3	0.0	0.0	0.0		0.0	0.0	0.0	.8	0.0	0.0	0.0	1.0
4	0.0	.1	.1		0.0	0.0	0.0	7.1	.3	2.0	2.3	.8
5	0.0	4.9	4.9	.5	.3	16.3	16.6	.4	.5	0.0	.5	1.0
6	0.0	0.0	0.0	4.1	20.3	0.0	20.3	.7	0.0	0.0	0.0	5.1
7	.8	0.0	.8	1.5	0.0	0.0	0.0	.4	0.0	0.0	0.0	4.3
8	0.0	5.6	5.6	2.2	0.0	.6	.6	3.5	0.0	0.0	0.0	7.5
9	20.9	.4	21.3	3.0	.1	5.9	6.0	2.8	0.0	2.0	2.0	3.1
10	0.0	7.2	7.2	2.0	.3	11.9	12.2	3.0	.1	0.0	.1	2.2
11	.6	0.0	.6	6.1	0.0	53.6	53.6	4.8	.2	0.0	.2	.4
12	0.0	0.0	0.0	2.4	.3	0.0	.3	.4	0.0	0.0	0.0	5.6
13	0.0	22.4	22.4	4.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	7.5
14	2.9	0.0	2.9	.8	0.0	1.7	1.7	5.0	0.0	0.0	0.0	.9
15	.1	0.0	.1	2.5	.2	3.6	3.8	4.3	0.0	.2	.2	3.8
16	0.0	0.0	0.0	6.4	0.0	0.0	0.0	6.6	0.0	0.0	0.0	4.7
17	0.0	0.0	0.0	9.2	0.0	6.9	6.9	6.2	0.0	0.0	0.0	8.9
18	0.0	0.0	0.0	8.6	0.0	10.6	10.6	.3	.2	.1	.3	.1
19	0.0	0.0	0.0	8.3	0.0	17.5	17.5	.3	0.0	0.0	0.0	7.5
20	0.0	0.0	0.0	9.0	0.0	.4	.4	2.4	0.0	0.0	0.0	4.1
21	.2	.1	.3	0.0	29.8	.2	30.0	1.1	0.0	0.0	0.0	2.5
22	0.0	0.0	0.0	3.0	2.0	0.0	2.0	3.5	0.0	0.0	0.0	4.0
23	.1	0.0	.1	3.9	0.0	9.1	9.1	.2	.2	4.5	4.7	1.3
24	0.0	0.0	0.0		0.0	0.0	0.0	2.0	4.4	8.4	12.8	.4
25	0.0	.5	.5		0.0	0.0	0.0	4.6	.6	4.6	5.2	1.0
26	3.4	4.2	7.6	.7	0.0	0.0	0.0	3.5	.2	.9	1.1	.8
27	0.0	0.0	0.0	5.2	0.0	0.0	0.0	.3	0.0	0.0	0.0	6.4
28	0.0	0.0	0.0	7.2	0.0	0.0	0.0	5.1	0.0	0.0	0.0	5.8
29	.1	0.0	.1	9.1	0.0	0.0	0.0		0.0	0.0	0.0	7.4
30	0.0	0.0	0.0	7.5					0.0	0.0	0.0	5.5
31	0.0	0.0	0.0						0.0	0.0	0.0	1.0
<b>TOTAL</b>	<b>29.1</b>	<b>51.1</b>	<b>80.2</b>		<b>53.3</b>	<b>146.2</b>	<b>199.5</b>	<b>87.2</b>	<b>6.9</b>	<b>22.7</b>	<b>29.6</b>	<b>111.6</b>

DIA	ABRIL				MAYO				JUNIO			
	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)
	DIA	NOCHE	TOTAL		DIA	NOCHE	TOTAL		DIA	NOCHE	TOTAL	
1	.3	0.0	.3	.6	9.9	.1	10.0	3.7	.1	0.0	.1	4.7
2	.3	0.0	.3	7.2	8.1	31.1	39.2	2.4	0.0	0.0	0.0	6.2
3	21.1	0.0	21.1	1.6	.7	0.0	.7	3.6	0.0	0.0	0.0	8.1
4	20.0	0.0	20.0	1.5	0.0	33.5	33.5	2.6	0.0	0.0	0.0	4.3
5	.3	10.3	10.6	1.9	5.0	12.5	17.5	4.7	0.0	0.0	0.0	5.3
6	1.2	0.0	1.2		0.0	0.0	0.0	1.3	0.0	0.0	0.0	10.2
7	0.0	0.0	0.0	6.9	0.0	0.0	0.0	1.4	0.0	0.0	0.0	6.6
8	.1	0.0	.1	2.8	0.0	0.0	0.0	1.3	0.0	0.0	0.0	3.2
9	0.0	0.0	0.0	9.2	2.4	0.0	2.4	6.1	0.0	.8	.8	1.2
10	0.0	0.0	0.0	4.5	0.0	5.2	5.2	4.9	16.0	2.4	18.4	0.0
11	0.0	0.0	0.0	.4	0.0	0.0	0.0	1.5	0.0	0.0	0.0	4.4
12	2.0	.2	2.2	3.8	.8	0.0	.8	5.0	0.0	10.4	10.4	7.0
13	0.0	2.1	2.1	2.0	0.0	3.6	3.6	4.3	0.0	0.0	0.0	6.3
14	.9	0.0	.9	3.6	1.6	.6	2.2	3.2	0.0	0.0	0.0	1.9
15	0.0	41.0	41.0	2.4	0.0	0.0	0.0	5.9	0.0	.7	.7	5.1
16	.1	0.0	.1	4.0	0.0	0.0	0.0	9.9	.3	.1	.4	.3
17	0.0	24.2	24.2	5.0	0.0	.4	.4	6.0	0.0	0.0	0.0	4.2
18	19.9	0.0	19.9	1.8	0.0	2.6	2.6	7.3	0.0	0.0	0.0	9.1
19	0.0	0.0	0.0	2.5	1.8	0.0	1.8	5.3	0.0	0.0	0.0	5.5
20	0.0	0.0	0.0	5.6	0.0	0.0	0.0	.4	0.0	0.0	0.0	5.8
21	0.0	0.0	0.0	.5	0.0	0.0	0.0	2.6	0.0	.3	.3	5.1
22	0.0	.3	.3	2.6	0.0	0.0	0.0	3.7	0.0	0.0	0.0	2.0
23	13.9	20.9	34.8	.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6
24	.1	0.0	.1	.2	0.0	0.0	0.0	5.1	0.0	0.0	0.0	2.6
25	.2	0.0	.2	2.3	0.0	.5	.5	4.6	0.0	0.0	0.0	7.4
26	1.0	0.0	1.0	1.1	0.0	0.0	0.0	8.6	0.0	.6	.6	6.2
27	0.0	0.0	0.0	2.9	0.0	.4	.4	4.3	0.0	0.0	0.0	5.9
28	10.1	0.0	10.1	.4	.2	0.0	.2	6.2	1.6	.1	1.7	
29	1.4	.5	1.9	1.9	1.6	.6	2.2	.4	0.0	0.0	0.0	6.9
30	.9	0.0	.9	1.0	.5	0.0	.5	.6	0.0	1.8	1.8	6.5
31					1.0	0.0	1.0	2.3				
<b>TOTAL</b>	<b>93.8</b>	<b>99.5</b>	<b>193.3</b>		<b>33.6</b>	<b>91.1</b>	<b>124.7</b>	<b>119.2</b>	<b>18.0</b>	<b>17.2</b>	<b>35.2</b>	

ESTACION: LA MONTANA

DPTO: TOLIMA

LATITUD : 03° 33'N

AÑO : 1990

MPIO: DOLORES

LONGITUD: 74° 54'W  
ALTITUD : 1260 m.

DIA	JULIO				AGOSTO				SEPTIEMBRE			
	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)
DIA	NOCHE	TOTAL			DIA	NOCHE	TOTAL			DIA	NOCHE	
1	.2	.4	.6	3.7	0.0	0.0	0.0	4.9				
2	0.0	.1	.1	2.6	0.0	0.0	0.0	8.2				
3	0.0	0.0	0.0	3.3	0.0	0.0	0.0	6.5				
4	2.1	2.9	5.0	3.1	0.0	0.0	0.0	7.5				
5	0.0	.2	.2	5.3	0.0	0.0	0.0	3.6				
6	0.0	0.0	0.0	7.5	0.0	0.0	0.0	6.7				
7	0.0	0.0	0.0	3.8	.1	0.0	.1	5.0				
8	.5	.4	.9	4.5	0.0	0.0	0.0	4.5				
9	2.7	.1	2.8		0.0	5.9	5.9	2.6				
10	.5	.4	.9	3.1	0.0	0.0	0.0	.7				
11	0.0	3.0	3.0	5.3	0.0	0.0	0.0	4.4				
12	1.6	0.0	1.6	0.0	0.0	0.0	0.0	4.9				
13	0.0	0.0	0.0	6.3	0.0	0.0	0.0	2.8				
14	0.0	0.0	0.0	3.3	.3	0.0	.3	5.3				
15	0.0	0.0	0.0	6.3	.4	0.0	.4	3.1				
16	.7	.1	.8	3.7	0.0	0.0	0.0	5.5				
17	.2	0.0	.2	1.3	0.0	0.0	0.0	5.9				
18	0.0	1.6	1.6	4.7	0.0	2.4	2.4	6.3				
19	0.0	0.0	0.0	5.3	0.0	0.0	0.0	7.1				
20	0.0	.2	.2	8.9	0.0	0.0	0.0	6.0				
21	0.0	0.0	0.0	2.0	0.0	0.0	0.0	6.2				
22	0.0	6.4	6.4	6.1	0.0	0.0	0.0	4.9				
23	.4	0.0	.4	5.5	.3	0.0	.3	6.3				
24	0.0	0.0	0.0	10.0	0.0	0.0	0.0	4.6				
25	0.0	0.0	0.0	10.7	0.0	0.0	0.0	6.4				
26	0.0	0.0	0.0	3.4	0.0	.1	.1	5.1				
27	0.0	0.0	0.0	8.2	0.0	0.0	0.0	5.3				
28	0.0	0.0	0.0	.8	0.0	0.0	0.0	.7				
29	0.0	0.0	0.0	5.0	.2	0.0	.2	7.7				
30	0.0	0.0	0.0	6.6	0.0	0.0	0.0	7.2				
31	0.0	0.0	0.0	1.6	.3	.3	.6	3.5				
TOTAL	8.9	15.8	24.7		1.6	8.7	10.3	159.4				

DIA	OCTUBRE				NOVIEMBRE				DICIEMBRE			
	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)
DIA	NOCHE	TOTAL			DIA	NOCHE	TOTAL			DIA	NOCHE	
1	1.3	0.0	1.3	.6	7.7	30.0	37.7	3.4	.4	.3	.7	3.5
2	32.8	0.0	32.8	.2	.4	11.2	11.6	3.8	.2	84.1	84.3	4.6
3	2.2	0.0	2.2	1.9	0.0	50.0	50.0	2.1	11.8	0.0	11.8	0.0
4	.2	0.0	.2	4.8	0.0	.6	.6	2.7	0.0	71.3	71.3	7.3
5	0.0	.4	.4	1.6	6.8	20.0	26.8	3.4	1.0	7.4	8.4	.3
6	.5	4.6	5.1	2.5	0.0	0.0	0.0	5.7	0.0	69.4	69.4	3.1
7	.2	3.6	3.8	1.5	0.0	0.0	0.0	6.4	3.5	.8	4.3	2.0
8	7.6	0.0	7.6	2.6	0.0	0.0	0.0	4.5	9.3	0.0	9.3	.9
9	1.6	29.9	31.5	1.9	0.0	.3	.3	4.6	0.0	0.0	0.0	
10	.7	31.1	31.8	.9	0.0	0.0	0.0	6.4	0.0	3.0	3.0	
11	.2	0.0	.2	1.2	0.0	0.0	0.0	4.6	0.0	0.0	0.0	
12	2.2	15.6	17.8	1.4	0.0	0.0	0.0	7.4	0.0	0.0	0.0	4.6
13	1.1	0.0	1.1	3.6	0.0	0.0	0.0	7.8	0.0	0.0	0.0	7.5
14	12.7	.6	13.3	.5	0.0	0.0	0.0	6.5	0.0	0.0	0.0	4.3
15	0.0	.6	.6		0.0	0.0	0.0	4.9	0.0	0.0	0.0	
16	2.0	10.0	12.0		0.0	0.0	0.0	5.5	0.0	0.0	0.0	
17	2.0	0.0	2.0	2.9	0.0	14.0	14.0	6.4	0.0	0.0	0.0	
18	0.0	9.9	9.9	4.8	3.2	2.6	5.8	0.0	0.0	0.0	0.0	8.9
19	12.7	12.0	24.7	1.5	.2	0.0	.2	1.0	0.0	0.0	0.0	
20	0.0	0.0	0.0	2.5	0.0	0.0	0.0	5.0	0.0	0.0	0.0	3.2
21	1.5	0.0	1.5		0.0	0.0	0.0	2.0	0.0	0.0	0.0	
22	.8	5.6	6.4		7.5	120.8	128.3	1.6	0.0	0.0	0.0	.3
23	.5	46.8	47.3	1.4	60.0	0.0	60.0	3.6	0.0	4.6	4.6	3.3
24	0.0	0.0	0.0	.2	.1	60.6	60.7	2.9	0.0	0.0	0.0	3.0
25	0.0	.3	.3	6.8	0.0	4.4	4.4	6.6	0.0	0.0	0.0	1.5
26	0.0	0.0	0.0	2.6	2.1	17.3	19.4	4.8	0.0	0.0	0.0	
27	.2	0.0	.2		.5	0.0	.5	2.2	0.0	0.0	0.0	
28	0.0	2.2	2.2		0.0	0.0	0.0	5.7	1.8	0.0	1.8	1.1
29	1.8	0.0	1.8		3.4	33.4	36.8	2.9	0.0	2.3	2.3	6.6
30	0.0	4.9	4.9		12.8	18.0	30.8	2.1	1.2	5.8	7.0	3.3
31	.4	1.3	1.7	2.5					5.3	2.4	7.7	1.7
TOTAL	85.2	179.4	264.6		104.7	383.2	487.9	126.5	34.5	251.4	285.9	

ESTACION: LA SELVA

DPTO: VALLE

LATITUD : 03° 45'N

ANO : 1990

MPIO: GINEBRA

LONGITUD: 76° 12'W

ALTITUD : 1800 m.

DIA	ENERO				FEBRERO				MARZO			
	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)
	DIA	NOCHE	TOTAL		DIA	NOCHE	TOTAL		DIA	NOCHE	TOTAL	
1	0.0	9.3	9.3	3.9	0.0	0.0	0.0	1.6	0.0	.1	.1	4.0
2	0.0	0.0	0.0	2.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	3.4
3	.5	0.0	.5	3.3	5.1	.3	5.4	0.0	0.0	0.0	0.0	.4
4	.1	17.5	17.6	4.4	0.0	13.5	13.5	2.5	0.0	0.0	0.0	1.3
5	2.0	0.0	2.0	0.0	16.2	0.0	16.2	0.0	.7	0.0	.7	1.4
6	5.6	10.9	16.5	.5	0.0	0.0	0.0	.6	0.0	0.0	0.0	6.0
7	1.2	25.1	26.3	1.7	0.0	0.0	0.0	5.5	0.0	0.0	0.0	1.0
8	1.5	0.0	1.5	.1	.7	13.6	14.3	3.6	0.0	0.0	0.0	4.1
9	4.7	0.0	4.7	2.2	0.0	0.0	0.0	1.2	0.0	0.0	0.0	4.6
10	.1	0.0	.1	1.7	0.0	.3	.3	.8	0.0	0.0	0.0	2.5
11	12.2	7.5	19.7	1.1	.3	9.3	9.6	1.5	0.0	0.0	0.0	.5
12	12.3	0.0	12.3	0.0	0.0	0.0	0.0	0.0	.5	0.0	.5	7.7
13	13.8	0.0	13.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6
14	1.1	.1	1.2	2.8	0.0	.2	.2	4.3	0.0	.2	.2	.3
15	0.0	0.0	0.0	3.1	.5	2.0	2.5	.8	0.0	0.0	0.0	1.2
16	0.0	0.0	0.0	3.9	.9	20.8	21.7	3.2	0.0	0.0	0.0	4.3
17	0.0	.2	.2	4.0	7.5	51.3	58.8	2.1	0.0	0.0	0.0	4.4
18	0.0	.7	.7	5.9	3.1	.3	3.4	1.6	.9	.2	1.1	.2
19	0.0	0.0	0.0	.8	.1	16.5	16.6	4.9	0.0	.9	.9	3.8
20	0.0	0.0	0.0	6.7	.8	1.4	2.2	4.2	.1	7.8	7.9	3.0
21	.1	2.1	2.2	5.1	.6	0.0	.6	3.6	26.0	0.0	26.0	0.0
22	.5	0.0	.5	2.7	1.0	0.0	1.0	.2	0.0	0.0	0.0	5.0
23	0.0	0.0	0.0	7.1	0.0	0.0	0.0	.8	1.3	3.7	5.0	.5
24	0.0	0.0	0.0	7.3	7.1	.8	7.9	0.0	.4	1.8	2.2	3.2
25	0.0	0.0	0.0	7.5	1.4	.3	1.7	.2	3.5	.3	3.8	1.3
26	.3	0.0	.3	0.0	5.2	2.4	7.6	2.6	13.6	1.4	15.0	.4
27	0.0	0.0	0.0	6.4	4.1	0.0	4.1	2.3	0.0	0.0	0.0	3.0
28	0.0	0.0	0.0	7.1	0.0	5.3	5.3	5.7	1.2	0.0	1.2	4.0
29	0.0	0.0	0.0	7.0					0.0	0.0	0.0	4.5
30	0.0	0.0	0.0	3.3					0.0	1.2	1.2	5.1
31	0.0	0.0	0.0	3.6					2.9	9.7	12.6	1.7
TOTAL	56.0	73.4	129.4	108.7	54.6	138.3	192.9	54.8	51.1	27.3	78.4	88.4

DIA	ABRIL				MAYO				JUNIO			
	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)
	DIA	NOCHE	TOTAL		DIA	NOCHE	TOTAL		DIA	NOCHE	TOTAL	
1	8.7	0.0	8.7		12.0	4.0	16.0		0.0	0.0	0.0	3.1
2	0.0	0.0	0.0	5.7	0.0	16.5	16.5	4.6	0.0	0.0	0.0	5.1
3	5.2	0.0	5.2	3.9	12.9	0.0	12.9	.4	0.0	0.0	0.0	5.6
4	0.0	3.6	3.6	1.3	.1	.2	.3	2.0	0.0	0.0	0.0	3.7
5	.5	.3	.8	1.6	.5	0.0	.5	1.3	0.0	0.0	0.0	4.4
6	0.0	0.0	0.0	1.8	0.0	0.0	0.0	.1	0.0	0.0	0.0	7.3
7	0.0	0.0	0.0	4.4	0.0	0.0	0.0	3.5	0.0	0.0	0.0	5.2
8	0.0	0.0	0.0	2.2	1.8	0.0	1.8	.2	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	9.0	0.0	0.0	0.0	5.3	.2	1.1	1.3	0.0
10	0.0	0.0	0.0	3.1	0.0	.5	.5	2.7	7.6	0.0	7.6	.1
11	0.0	0.0	0.0	3.7	0.0	.1	.1	2.0	0.0	.3	.3	1.6
12	.1	0.0	.1	4.4	.3	0.0	.3	2.0	0.0	.5	.5	2.3
13	1.5	0.0	1.5	3.5	1.0	.7	1.7	1.8	2.6	0.0	2.6	1.7
14	30.5	.7	31.2	2.9	0.0	4.1	4.1	6.5	.6	0.0	.6	2.7
15	1.7	.6	2.3	1.2	0.0	0.0	0.0	0.0	0.0	.5	.5	2.4
16	2.1	0.0	2.1	0.0	.3	0.0	.3	6.6	.4	0.0	.4	2.1
17	5.3	0.0	5.3	1.8	0.0	0.0	0.0	.4	1.3	0.0	1.3	4.5
18	4.4	.3	4.7	4.9	0.0	0.0	0.0	1.2	0.0	0.0	0.0	6.8
19	0.0	0.0	0.0	1.2	0.0	0.0	0.0	1.3	0.0	0.0	0.0	8.4
20	54.6	.4	55.0	.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
21	.1	7.6	7.7	0.0	0.0	.3	.3	.3	0.0	0.0	0.0	1.2
22	0.0	1.3	1.3	2.1	0.0	0.0	0.0	1.8	0.0	0.0	0.0	.7
23	2.7	13.8	16.5	0.0	1.6	.4	2.0	1.9	.6	.1	.7	2.4
24	2.0	0.0	2.0	.1	0.0	.1	.1	2.9	0.0	.9	.9	1.2
25	3.9	0.0	3.9	.1	0.0	.1	.1	.4	0.0	0.0	0.0	2.8
26	0.0	.6	.6	.7	.5	0.0	.5	5.1	0.0	0.0	0.0	6.6
27	.2	.3	.5	.4	0.0	0.0	0.0	1.7	0.0	1.8	1.8	0.0
28	6.7	.5	7.2	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	6.6
29	.4	0.0	.4	.2	1.0	0.0	1.0	.6	0.0	0.0	0.0	8.3
30	13.7	5.8	19.5	.4	0.0	0.0	0.0	2.5	0.0	0.0	0.0	5.6
31					0.0	0.0	0.0	1.5				
TOTAL	144.3	35.8	180.1		32.0	27.0	59.0		13.3	5.2	18.5	105.2

ESTACION: LA SELVA

DPTO: VALLE

LATITUD : 03° 45'N

ANO : 1990

MPIO: GINEBRA

LONGITUD : 76° 12'W  
ALTITUD : 1800 m.

DIA	JULIO				AGOSTO				SEPTIEMBRE			
	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)
DIA	DIA	NOCHE	TOTAL		DIA	NOCHE	TOTAL		DIA	NOCHE	TOTAL	
1	0.0	0.0	0.0	2.3	0.0	0.0	0.0	8.6	0.0	0.0	0.0	2.6
2	0.0	0.0	0.0	2.2	0.0	.2	.2		0.0	0.0	0.0	
3	.1	0.0	.1	4.0	0.0	0.0	0.0		0.0	0.0	0.0	.9
4	2.9	.1	3.0	2.3	0.0	0.0	0.0	2.1	0.0	0.0	0.0	5.3
5	3.9	0.0	3.9	4.5	0.0	0.0	0.0	5.7	0.0	0.0	0.0	7.3
6	.5	0.0	.5	2.0	0.0	0.0	0.0	7.4	.4	0.0	.4	3.6
7	0.0	0.0	0.0	2.3	0.0	0.0	0.0	2.3	0.0	0.0	0.0	3.3
8	12.5	3.2	15.7	2.4	0.0	0.0	0.0	4.4	0.0	0.0	0.0	.5
9	1.4	10.4	11.8	2.4	0.0	0.0	0.0		.6	0.0	.6	1.0
10	3.4	.2	3.6		2.4	0.0	2.4		0.0	.9	.9	2.8
11	0.0	.1	.1		0.0	0.0	0.0	2.9	3.2	0.0	3.2	1.2
12	0.0	0.0	0.0	2.2	0.0	0.0	0.0	2.4	0.0	.9	.9	1.3
13	0.0	0.0	0.0	5.5	0.0	0.0	0.0	4.0	0.0	2.0	2.0	4.3
14	0.0	0.0	0.0	3.8	.5	0.0	.5		0.0	0.0	0.0	
15	0.0	.1	.1	4.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	.6
16	0.0	0.0	0.0	1.7	0.0	0.0	0.0		0.0	0.0	0.0	.7
17	.8	1.5	2.3	1.7	0.0	0.0	0.0		0.0	0.0	0.0	6.9
18	8.0	0.0	8.0	4.0	0.0	0.0	0.0	1.4	.1	0.0	.1	8.7
19	.5	0.0	.5	3.8	0.0	0.0	0.0	7.0	.7	5.6	6.3	7.1
20	0.0	0.0	0.0	3.9	0.0	0.0	0.0	4.3	1.9	.3	2.2	5.7
21	.3	.6	.9	2.9	0.0	0.0	0.0		0.0	3.7	3.7	3.3
22	0.0	.3	.3	5.6	0.0	0.0	0.0		.1	0.0	.1	.1
23	2.6	0.0	2.6	4.1	0.0	0.0	0.0		0.0	0.0	0.0	3.3
24	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	6.9
25	0.0	0.0	0.0		0.0	0.0	0.0	6.9	0.0	0.0	0.0	2.7
26	0.0	0.0	0.0		.3	0.0	.3	3.4	30.7	0.0	30.7	5.6
27	.5	0.0	.5		2.1	3.2	5.3	3.9	0.0	0.0	0.0	5.3
28	0.0	0.0	0.0	2.2	.2	2.5	2.7	.5	0.0	0.0	0.0	3.7
29	0.0	.1	.1	1.9	4.8	0.0	4.8	1.1	0.0	0.0	0.0	3.6
30	.2	0.0	.2	5.5	0.0	0.0	0.0		7.1	6.2	13.3	5.8
31	0.0	0.0	0.0	6.0	0.0	0.0	0.0					
TOTAL	37.6	16.6	54.2		10.3	5.9	16.2		44.8	19.6	64.4	

DIA	OCTUBRE				NOVIEMBRE				DICIEMBRE			
	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)	PRECIPITACION mm			BRILLO SOL(h)
DIA	DIA	NOCHE	TOTAL		DIA	NOCHE	TOTAL		DIA	NOCHE	TOTAL	
1	1.9	.2	2.1	.3	.4	0.0	.4	1.3	.9	0.0	.9	.6
2	.8	0.0	.8	.4	2.9	0.0	2.9	.2	0.0	29.3	29.3	.5
3	0.0	.1	.1	3.8	12.8	62.9	75.7	.6	12.0	0.0	12.0	
4	11.7	9.3	21.0	3.5	5.2	0.0	5.2	.3	.4	69.9	70.3	
5	24.9	0.0	24.9	.1	0.0	1.0	1.0	.3	6.1	.1	6.2	0.0
6	9.9	.3	10.2	3.6	0.0	0.0	0.0	5.1	.2	0.0	.2	2.1
7	4.2	.1	4.3	.3	0.0	0.0	0.0	6.6	16.7	0.0	16.7	2.7
8	.2	0.0	.2	2.2	0.0	13.1	13.1	5.2	3.5	0.0	3.5	.1
9	3.6	17.8	21.4	1.4	.4	0.0	.4	3.8	0.0	0.0	0.0	1.3
10	8.2	.7	8.9	1.4	0.0	0.0	0.0	.8	0.0	0.0	0.0	6.0
11	.2	5.2	5.4	.3	0.0	0.0	0.0	6.1	.2	0.0	.2	4.7
12	.6	.3	.9	1.2	0.0	0.0	0.0	5.2	0.0	0.0	0.0	3.0
13	5.0	0.0	5.0	1.9	0.0	0.0	0.0	5.4	0.0	0.0	0.0	5.2
14	4.7	0.0	4.7	2.2	0.0	0.0	0.0	6.5	0.0	0.0	0.0	4.4
15	0.0	0.0	0.0	1.3	0.0	0.0	0.0	2.4	.1	0.0	.1	6.5
16	.8	0.0	.8	1.9	9.4	22.5	31.9	1.1	0.0	0.0	0.0	7.7
17	11.8	.3	12.1	.8	.7	.1	.8	.8	0.0	0.0	0.0	2.9
18	17.3	17.0	34.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4
19	.2	0.0	.2	1.8	0.0	0.0	0.0	5.2	0.0	0.0	0.0	3.9
20	2.3	.3	2.6	1.8	.4	10.9	11.3	2.9	0.0	0.0	0.0	
21	1.3	9.7	11.0	1.8	22.7	0.0	22.7	0.0	0.0	0.0	0.0	2.3
22	73.4	0.0	73.4	.2	0.0	0.0	0.0		.1	.1	.2	.1
23	0.0	19.5	19.5	3.0	14.2	4.0	18.2		13.7	0.0	13.7	4.6
24	.5	0.0	.5	3.0	0.0	0.0	0.0	.6	9.6	0.0	9.6	0.0
25	.7	10.4	11.1	5.5	0.0	.7	.7	5.4	0.0	0.0	0.0	2.6
26	.2	0.0	.2	.8	.1	0.0	.1	3.5	4.7	0.0	4.7	1.5
27	0.0	29.5	29.5	8.1	3.1	0.0	3.1	2.6	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	7.4	.7	0.0	.7	2.7	2.4	0.0	2.4	1.8
29	2.9	0.0	2.9	1.7	.4	0.0	.4	1.8	6.2	0.0	6.2	2.8
30	.1	0.0	.1	5.8	.2	0.0	.2	1.4	27.0	0.0	27.0	.3
31	.3	2.3	2.6	4.3					3.8	0.0	3.8	1.6
TOTAL	187.7	123.0	310.7	77.1	73.6	115.2	188.8		107.6	99.4	207.0	



ESTACION: LLANADAS

DPTO: CALDAS

LATITUD : 05° 12'N

AÑO : 1990

MPIO: MANZANARES

LONGITUD : 75° 08'W  
 ALTITUD : 1420 m.

DIA	ENERO			FEBRERO			MARZO		
	PRECIPITACION mm			PRECIPITACION mm			PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	0.0	21.5	21.5	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	9.5	9.5	0.0	1.6	1.6	0.0	23.1	23.1
3	0.0	0.0	0.0	1.5	0.0	1.5	0.0	1.1	1.1
4	.1	.6	1.7	0.0	10.8	10.8	15.6	12.6	28.2
5	.1	1.8	1.9	2.1	3.5	5.6	.7	0.0	.7
6	6.5	5.5	12.0	0.0	0.0	0.0	0.0	4.2	4.2
7	.6	0.0	.6	0.0	.9	.9	0.0	3.2	3.2
8	2.0	11.6	13.6	0.0	21.0	21.0	0.0	1.7	1.7
9	0.0	9.1	9.1	0.0	1.6	1.6	0.0	0.0	0.0
10	0.0	9.3	9.3	0.0	0.0	0.0	.1	0.0	.1
11	0.0	3.3	3.3	0.0	11.2	11.2	0.0	0.0	0.0
12	0.0	6.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	.8	.8	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	1.7	1.7	0.0	14.2	14.2	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	.2	.2	0.0	12.7	12.7
16	0.0	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	3.4	3.4	0.0	40.6	40.6
18	0.0	0.0	0.0	10.3	1.4	11.7	0.0	.9	.9
19	0.0	0.0	0.0	1.6	4.2	5.8	0.0	17.0	17.0
20	.5	.5	1.0	.2	.1	.3	0.0	0.0	0.0
21	.1	7.0	7.1	4.2	.7	4.9	1.6	0.0	1.6
22	.6	0.0	.6	.5	40.5	41.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
24	0.0	0.0	0.0	0.0	1.0	1.0	.7	0.0	.7
25	0.0	0.0	0.0	14.2	7.8	22.0	.9	4.4	5.3
26	2.1	.4	2.5	0.0	0.0	0.0	6.5	4.2	10.7
27	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	.4	0.0	.4	0.0	0.0	0.0
29	0.0	2.2	2.2				0.0	0.0	0.0
30	0.0	0.0	0.0				1.5	8.0	9.5
31	0.0	0.0	0.0				0.0	41.7	41.7
TOTAL	12.6	94.5	107.1	35.0	124.1	159.1	27.6	176.6	204.2

DIA	ABRIL			MAYO			JUNIO		
	PRECIPITACION mm			PRECIPITACION mm			PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	11.1	0.0	11.1	0.0	6.0	6.0	0.0	1.1	1.1
2	2.5	.2	2.7	6.5	7.6	14.1	0.0	0.0	0.0
3	.3	11.6	11.9	6.0	4.5	10.5	0.0	0.0	0.0
4	4.3	2.1	6.4	2.0	.4	2.4	0.0	.7	.7
5	0.0	41.3	41.3	1.9	2.1	4.0	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
7	0.0	0.0	0.0	0.0	8.3	8.3	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	.2	.2	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	6.8	6.8	0.0	4.7	4.7
10	0.0	0.0	0.0	.1	16.6	16.7	0.0	.9	.9
11	0.0	.8	.8	0.0	2.6	2.6	0.0	0.0	0.0
12	0.0	18.1	18.1	0.0	2.1	2.1	0.0	0.0	0.0
13	0.0	9.9	9.9	0.0	28.5	28.5	0.0	68.0	68.0
14	2.2	.3	2.5	5.9	.5	6.4	0.0	54.0	54.0
15	64.0	25.5	89.5	2.8	0.0	2.8	0.0	58.0	58.0
16	25.9	0.0	25.9	0.0	0.0	0.0	0.0	0.0	0.0
17	11.8	0.0	11.8	0.0	0.0	0.0	0.0	0.0	0.0
18	3.5	2.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0
19	.6	3.9	4.5	0.0	.1	.1	.1	0.0	.1
20	6.3	42.7	49.0	0.0	0.0	0.0	0.0	0.0	0.0
21	1.7	33.0	34.7	0.0	0.0	0.0	0.0	0.0	0.0
22	9.7	12.4	22.1	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	30.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	.9	.9	0.0	0.0	0.0	.7	0.0	.7
25	2.5	43.0	45.5	0.0	0.0	0.0	0.0	0.0	0.0
26	.9	0.0	.9	0.0	0.0	0.0	0.0	0.0	0.0
27	17.6	12.9	30.5	0.0	0.0	0.0	0.0	0.0	0.0
28	6.5	2.0	8.5	0.0	14.2	14.2	0.0	0.0	0.0
29	0.0	.7	.7	.9	0.0	.9	0.0	0.0	0.0
30	6.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
31				0.0	10.8	10.8			
TOTAL	177.4	293.3	470.7	26.1	111.3	137.4	.8	187.4	188.2

ESTACION: LLANADAS

DPTO: CALDAS

LATITUD : 05° 12'N

AÑO : 1990

MPIO: MANZANARES

LONGITUD : 75° 08'W

ALTITUD : 1420 m.

DIA	JULIO			AGOSTO			SEPTIEMBRE		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	0.0	5.0	5.0	0.0	0.0	0.0	0.0	29.0	29.0
2	1.6	0.0	1.6	0.0	0.0	0.0	0.0	8.3	8.3
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	.1	.1	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	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.7	13.7
7	0.0	0.0	0.0	0.0	3.5	3.5	.5	0.0	.5
8	0.0	35.0	35.0	0.0	.7	.7	0.0	1.2	1.2
9	0.0	.9	.9	.6	0.0	.6	0.0	0.0	0.0
10	.6	0.0	.6	0.0	0.0	0.0	0.0	0.0	0.0
11	.5	4.8	5.3	0.0	0.0	0.0	0.0	23.0	23.0
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	0.0	0.0	0.0	0.0	1.1	1.1
14	0.0	5.5	5.5	0.0	1.2	1.2	0.0	1.8	1.8
15	2.0	0.0	2.0	8.6	.5	9.1	.1	0.0	.1
16	3.7	0.0	3.7	0.0	0.0	0.0	.4	0.0	.4
17	0.0	.2	.2	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	37.0	37.0	0.0	.1	.1	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	0.0	63.0	63.0	0.0	0.0	0.0	30.7	0.0	30.7
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.9	16.9
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
23	0.0	.1	.1	0.0	0.0	0.0	1.5	.6	2.1
24	0.0	0.0	0.0	0.0	0.0	0.0	.5	3.7	4.2
25	0.0	0.0	0.0	0.0	4.0	4.0	0.0	0.0	0.0
26	0.0	0.0	0.0	1.8	1.4	3.2	0.0	91.9	91.9
27	0.0	0.0	0.0	0.0	2.7	2.7	0.0	0.0	0.0
28	0.0	0.0	0.0	1.1	0.0	1.1	0.0	0.0	0.0
29	0.0	2.5	2.5	5.1	0.0	5.1	0.0	.1	.1
30	0.0	0.0	0.0	0.0	4.4	4.4	0.0	26.2	26.2
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	8.4	154.1	162.5	17.2	18.5	35.7	33.7	219.7	253.4

DIA	OCTUBRE			NOVIEMBRE			DICIEMBRE		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	4.4	2.3	6.7	.9	.4	1.3	1.2	17.0	18.2
2	0.0	52.6	52.6	6.4	43.6	50.0	1.3	0.0	1.3
3	0.0	0.0	0.0	6.2	11.6	17.8	8.0	0.0	8.0
4	.9	0.0	.9	0.0	9.4	9.4	11.7	3.8	15.5
5	.7	0.0	.7	0.0	2.3	2.3	.2	1.4	1.6
6	1.5	5.6	7.1	0.0	0.0	0.0	1.8	59.9	61.7
7	5.5	30.7	36.2	0.0	.6	.6	3.9	0.0	3.9
8	0.0	0.0	0.0	1.9	3.7	5.6	0.0	.5	.5
9	2.7	21.2	23.9	0.0	2.3	2.3	0.0	1.5	1.5
10	9.1	0.0	9.1	1.0	0.0	1.0	0.0	0.0	0.0
11	2.6	25.9	28.5	0.0	0.0	0.0	0.0	0.0	0.0
12	9.8	.7	10.5	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
14	.7	13.7	14.4	0.0	0.0	0.0	0.0	0.0	0.0
15	.8	0.0	.8	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	15.1	15.1	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	24.2	24.2	12.1	2.1	14.2	0.0	0.0	0.0
18	0.0	1.0	1.0	3.4	5.2	8.6	0.0	0.0	0.0
19	1.4	7.9	9.3	0.0	43.0	43.0	0.0	13.6	13.6
20	3.4	56.9	60.3	0.0	3.8	3.8	.2	.2	.4
21	0.0	5.7	5.7	8.6	.2	8.8	0.0	23.0	23.0
22	7.9	0.0	7.9	7.7	0.0	7.7	0.0	0.0	0.0
23	.8	6.7	7.5	0.0	0.0	0.0	9.5	0.0	9.5
24	3.5	0.0	3.5	9.4	0.0	9.4	0.0	42.0	42.0
25	2.1	0.0	2.1	0.0	23.1	23.1	0.0	1.8	1.8
26	2.2	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	15.8	15.8	0.0	4.6	4.6	3.3	0.0	3.3
28	39.0	0.0	39.0	3.2	3.1	6.3	.1	0.0	.1
29	0.0	2.0	2.0	.6	7.4	8.0	1.4	13.0	14.4
30	3.1	8.6	11.7	0.0	28.3	28.3	16.3	.8	17.1
31	0.0	0.0	0.0	0.0	0.0	0.0	.9	2.5	3.4
TOTAL	102.1	298.6	400.7	61.4	194.7	256.1	59.8	181.0	240.8

ESTACION: SANTA ANA

DPTO: CALDAS

LATITUD : 05° 01'N

ANO : 1990

MPIO: PALESTINA

LONGITUD: 75° 40'W  
ALTITUD : 1250 m.

DIA	ENERO			FEBRERO			MARZO		
	PRECIPITACION mm			PRECIPITACION mm			PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	.9	.9	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	3.0	4.1	7.1
4	0.0	1.1	1.1	0.0	9.1	9.1	8.4	0.0	8.4
5	0.0	0.0	0.0	2.4	4.5	6.9	0.0	.2	.2
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	4.0	.8	4.8	0.0	56.5	56.5	0.0	62.5	62.5
8	7.9	0.0	7.9	9.4	26.6	36.0	0.0	5.0	5.0
9	0.0	1.7	1.7	0.0	1.2	1.2	0.0	0.0	0.0
10	0.0	0.0	0.0	2.2	0.0	2.2	0.0	.2	.2
11	0.0	5.6	5.6	.1	37.3	37.4	0.0	0.0	0.0
12	8.7	0.0	8.7	1.8	0.0	1.8	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	3.5	3.5	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	26.2	26.2	0.0	4.8	4.8	20.5	0.0	20.5
17	0.0	14.1	14.1	0.0	5.5	5.5	1.8	5.0	6.8
18	0.0	0.0	0.0	.4	1.2	1.6	1.3	13.6	14.9
19	.2	0.0	.2	.2	.9	1.1	.3	0.0	.3
20	0.0	0.0	0.0	1.0	.9	1.9	0.0	14.3	14.3
21	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.9	6.9
22	.4	0.0	.4	0.0	0.0	0.0	1.4	0.0	1.4
23	0.0	0.0	0.0	0.0	.6	.6	0.0	2.3	2.3
24	0.0	0.0	0.0	.2	0.0	.2	13.2	.8	14.0
25	0.0	29.8	29.8	0.0	14.8	14.8	1.0	.5	1.5
26	0.0	0.0	0.0	0.0	2.3	2.3	61.2	7.0	68.2
27	0.0	0.0	0.0	2.0	1.8	3.8	3.2	7.9	11.1
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	2.5	2.5	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
TOTAL	21.2	83.8	105.0	19.7	172.4	192.1	117.3	128.3	245.6

DIA	ABRIL			MAYO			JUNIO		
	PRECIPITACION mm			PRECIPITACION mm			PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	4.9	16.1	21.0	.6	0.0	.6	3.1	14.2	17.3
2	1.1	0.0	1.1	0.0	0.0	0.0	25.8	0.0	25.8
3	0.0	3.3	3.3	.7	0.0	.7	0.0	.1	.1
4	0.0	23.9	23.9	22.3	0.0	22.3	4.2	0.0	4.2
5	.7	26.2	26.9	1.0	2.6	3.6	2.8	4.0	6.8
6	10.0	24.3	34.3	.3	4.5	4.8	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	24.5	24.5	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	.2	.2	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	46.1	46.1	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	6.0	6.0	0.0	11.9	11.9
11	0.0	1.4	1.4	3.2	31.9	35.1	2.7	1.7	4.4
12	0.0	73.8	73.8	5.2	1.5	6.7	.3	2.9	3.2
13	.1	31.0	31.1	0.0	0.0	0.0	1.6	0.0	1.6
14	0.0	14.9	14.9	0.0	23.6	23.6	1.6	1.8	3.4
15	2.2	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0
16	.2	25.1	25.3	0.0	0.0	0.0	0.0	42.9	42.9
17	0.0	0.0	0.0	0.0	14.0	14.0	5.8	0.0	5.8
18	0.0	.9	.9	0.0	1.4	1.4	.1	0.0	.1
19	0.0	0.0	0.0	0.0	.1	.1	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	9.8	20.0	29.8	0.0	.5	.5	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	3.1	3.1	0.0	0.0	0.0
23	2.1	12.7	14.8	.3	0.0	.3	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	4.6	4.6	0.0	1.2	1.2
25	0.0	0.0	0.0	1.3	1.9	3.2	.5	1.8	2.3
26	22.9	3.6	26.5	.5	0.0	.5	0.0	.5	.5
27	0.0	81.2	81.2	0.0	2.8	2.8	0.0	0.0	0.0
28	.3	18.8	19.1	0.0	10.5	10.5	0.0	0.0	0.0
29	.1	2.9	3.0	0.0	25.0	25.0	0.0	0.0	0.0
30	0.0	.7	.7	10.0	0.0	10.0	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
TOTAL	54.4	380.8	435.2	45.4	204.8	250.2	48.5	83.0	131.5

ESTACION: SANTA ANA

DPTO: CALDAS

LATITUD : 05° 01'N

ANO : 1990

MPIO: PALESTINA

LONGITUD: 75° 40'W

ALTITUD : 1250 m.

DIA	JULIO PRECIPITACION mm			AGOSTO PRECIPITACION mm			SEPTIEMBRE PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	0.0	1.7	1.7	0.0	0.0	0.0	0.0	.3	.3
2	0.0	46.9	46.9	0.0	.3	.3	0.0	15.7	15.7
3	0.0	0.0	0.0	0.0	23.8	23.8	0.0	0.0	0.0
4	0.0	11.2	11.2	0.0	1.2	1.2	0.0	0.0	0.0
5	1.7	4.6	6.3	0.0	0.0	0.0	0.0	0.0	0.0
6	.4	0.0	.4	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	.1	18.1	18.2	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	25.1	25.1	0.0	0.0	0.0	0.0	.4	.4
11	2.8	0.0	2.8	.2	5.5	5.7	1.2	0.0	1.2
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9
13	0.0	6.5	6.5	0.0	0.0	0.0	0.0	23.3	23.3
14	0.0	0.0	0.0	0.0	23.0	23.0	0.0	7.8	7.8
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	.3	0.0	.3	0.0	.9	.9	0.0	0.0	0.0
17	1.2	14.8	16.0	0.0	0.0	0.0	0.0	0.0	0.0
18	.1	.2	.3	0.0	0.0	0.0	0.0	0.0	0.0
19	1.4	19.6	21.0	0.0	.4	.4	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	.3	.3	0.0	1.2	1.2
21	0.0	19.5	19.5	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	1.1	1.1
23	0.0	0.0	0.0	0.0	0.0	0.0	.2	0.0	.2
24	0.0	.9	.9	0.0	0.0	0.0	0.0	.2	.2
25	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	3.4	0.0	3.4
27	0.0	0.0	0.0	0.0	.9	.9	0.0	1.4	1.4
28	0.0	0.0	0.0	0.0	.2	.2	0.0	.1	.1
29	0.0	0.0	0.0	9.0	0.0	9.0	0.0	0.0	0.0
30	0.0	21.6	21.6	.5	0.0	.5	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	7.1	7.1	0.0	0.0	0.0
TOTAL	8.0	193.8	201.8	9.7	63.6	73.3	4.8	55.4	60.2

DIA	OCTUBRE PRECIPITACION mm			NOVIEMBRE PRECIPITACION mm			DICIEMBRE PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	5.2	6.2	11.4	.6	22.0	22.6	0.0	7.7	7.7
2	0.0	25.7	25.7	0.0	0.0	0.0	18.6	0.0	18.6
3	9.5	0.0	9.5	.4	39.5	39.9	0.0	15.0	15.0
4	0.0	0.0	0.0	11.6	15.4	27.0	27.8	33.3	61.1
5	0.0	31.9	31.9	0.0	0.0	0.0	.8	7.3	8.1
6	1.3	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
7	.4	0.0	.4	0.0	.1	.1	0.0	0.0	0.0
8	0.0	10.4	10.4	0.0	0.0	0.0	1.8	2.2	4.0
9	.2	0.0	.2	0.0	14.2	14.2	0.0	0.0	0.0
10	1.5	7.5	9.0	.1	10.2	10.3	0.0	0.0	0.0
11	.3	0.0	.3	.2	0.0	.2	0.0	.3	.3
12	.4	64.6	65.0	.5	0.0	.5	0.0	0.0	0.0
13	.9	2.4	3.3	0.0	0.0	0.0	0.0	0.0	0.0
14	3.9	2.9	6.8	0.0	0.0	0.0	4.5	0.0	4.5
15	0.0	25.7	25.7	0.0	.3	.3	0.0	0.0	0.0
16	.5	0.0	.5	0.0	.1	.1	0.0	0.0	0.0
17	0.0	11.8	11.8	0.0	12.5	12.5	0.0	0.0	0.0
18	0.0	0.0	0.0	1.8	.7	2.5	0.0	0.0	0.0
19	.2	1.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	21.7	21.7	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	.4	.4	0.0	0.0	0.0	0.0	0.0	0.0
22	.6	0.0	.6	.6	2.7	3.3	0.0	0.0	0.0
23	9.8	0.0	9.8	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	24.1	24.1	0.0	12.9	12.9
25	7.5	0.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	12.6	12.6	0.0	.3	.3	0.0	36.5	36.5
27	0.0	0.0	0.0	0.0	.6	.6	0.0	11.3	11.3
28	2.6	0.0	2.6	0.0	.3	.3	.1	0.0	.1
29	4.3	0.0	4.3	0.0	1.9	1.9	0.0	0.0	0.0
30	0.0	2.0	2.0	0.0	0.0	0.0	.1	34.9	35.0
31	0.0	6.1	6.1	0.0	0.0	0.0	0.0	.8	.8
TOTAL	49.1	232.9	282.0	15.8	144.9	160.7	53.7	162.2	215.9

ESTACION: LA ROMELIA

DPTO: CALDAS

LATITUD : 04° 58'N

AÑO : 1990

MPIO: CHINCHINA

LONGITUD: 75° 40'W  
ALTITUD : 1400 m.

DIA	ENERO PRECIPITACION mm			FEBRERO PRECIPITACION mm			MARZO PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	.1	1.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
2	.1	0.0	.1	.1	.3	.4	0.0	5.4	5.4
3	0.0	.1	.1	0.0	0.0	0.0	5.4	0.0	5.4
4	0.0	0.0	0.0	.6	4.2	4.8	0.0	0.0	0.0
5	0.0	.1	.1	2.5	4.3	6.8	.3	0.0	.3
6	.6	.1	.7	0.0	0.0	0.0	0.0	38.7	38.7
7	30.7	.1	30.8	0.0	32.2	32.2	.2	3.0	3.2
8	8.4	0.0	8.4	0.0	34.2	34.2	0.0	0.0	0.0
9	.1	4.3	4.4	0.0	27.4	27.4	.1	.4	.5
10	0.0	.9	.9	0.0	0.0	0.0	0.0	0.0	0.0
11	.6	49.9	50.5	.7	40.6	41.3	0.0	0.0	0.0
12	33.5	0.0	33.5	.8	0.0	.8	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	.1	0.0	.1
14	0.0	0.0	0.0	.1	1.9	2.0	0.0	0.0	0.0
15	.1	.4	.5	.2	.3	.5	1.8	.7	2.5
16	0.0	10.7	10.7	0.0	0.0	0.0	1.0	0.0	1.0
17	0.0	2.0	2.0	0.0	0.0	0.0	.3	45.4	45.7
18	.8	0.0	.8	0.0	4.4	4.4	.2	0.0	.2
19	0.0	0.0	0.0	5.9	1.3	7.2	0.0	16.6	16.6
20	0.0	0.0	0.0	0.0	0.0	0.0	.2	32.9	33.1
21	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	1.7
22	.3	0.0	.3	0.0	0.0	0.0	0.0	10.2	10.2
23	0.0	0.0	0.0	0.0	0.0	0.0	12.1	2.6	14.7
24	0.0	0.0	0.0	0.0	5.6	5.6	.4	9.4	9.8
25	0.0	13.0	13.0	.8	4.1	4.9	16.6	3.9	20.5
26	1.5	.1	1.6	3.0	0.0	3.0	2.5	7.0	9.5
27	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	1.5	0.0	1.5	.2	0.0	.2
29	0.0	.1	.1				0.0	0.0	0.0
30	0.0	0.0	0.0				0.0	0.0	0.0
31	0.0	0.0	0.0				15.1	6.9	22.0
TOTAL	76.8	83.7	160.5	16.2	160.8	177.0	58.2	183.1	241.3

DIA	ABRIL PRECIPITACION mm			MAYO PRECIPITACION mm			JUNIO PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	1.6	0.0	1.6	.6	.1	.7	21.5	.2	21.7
2	1.1	7.9	9.0	.4	0.0	.4	0.0	.8	.8
3	.1	14.5	14.6	1.1	1.4	2.5	3.5	.4	3.9
4	3.0	28.5	31.5	1.9	8.7	10.6	2.5	0.0	2.5
5	1.3	36.8	38.1	.4	13.6	14.0	.5	0.0	.5
6	.3	0.0	.3	0.0	0.0	0.0	.1	0.0	.1
7	0.0	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	3.3	19.4	22.7	0.0	.1	.1
9	0.0	0.0	0.0	.1	26.1	26.2	.2	13.9	14.1
10	0.0	19.5	19.5	.2	34.4	34.6	4.0	1.7	5.7
11	0.0	23.0	23.0	13.6	.5	14.1	0.0	0.0	0.0
12	0.0	50.4	50.4	0.0	2.8	2.8	1.5	0.0	1.5
13	0.0	26.9	26.9	.1	26.3	26.4	6.5	1.2	7.7
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	3.6	19.1	22.7	0.0	0.0	0.0	0.0	32.4	32.4
16	0.0	0.0	0.0	0.0	33.0	33.0	15.8	.1	15.9
17	.4	.3	.7	0.0	0.0	0.0	.6	0.0	.6
18	0.0	.2	.2	0.0	.1	.1	0.0	0.0	0.0
19	0.0	.1	.1	0.0	0.0	0.0	0.0	0.0	0.0
20	26.4	24.7	51.1	0.0	11.5	11.5	0.0	0.0	0.0
21	0.0	0.0	0.0	1.5	.2	1.7	0.0	0.0	0.0
22	3.1	7.9	11.0	.8	0.0	.8	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	25.5	25.5	0.0	1.1	1.1
24	0.0	1.3	1.3	.3	0.0	.3	1.3	0.0	1.3
25	2.7	4.2	6.9	.3	0.0	.3	0.0	1.4	1.4
26	.1	19.0	19.1	0.0	.7	.7	0.0	.3	.3
27	1.1	17.9	19.0	2.2	2.4	4.6	1.3	0.0	1.3
28	.5	3.1	3.6	0.0	63.0	63.0	0.0	0.0	0.0
29	.5	1.0	1.5	11.7	0.0	11.7	0.0	0.0	0.0
30	2.8	.2	3.0	0.0	0.0	0.0	0.0	1.5	1.5
31				0.0	1.6	1.6			
TOTAL	48.6	310.0	358.6	38.5	271.3	309.8	59.3	55.1	114.4

ESTACION: LA ROMELIA

DPTO: CALDAS

LATITUD : 04° 58'N

ANO : 1990

MPIO: CHINCHINA

LONGITUD: 75° 40'W  
ALTITUD : 1400 m.

DIA	JULIO			AGOSTO			SEPTIEMBRE		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	0.0	26.0	26.0	0.0	.3	.3	0.0	39.2	39.2
2	0.0	6.0	6.0	0.0	5.7	5.7	.1	0.0	.1
3	0.0	70.8	70.8	0.0	5.9	5.9	0.0	0.0	0.0
4	0.0	19.4	19.4	0.0	0.0	0.0	0.0	0.0	0.0
5	.8	0.0	.8	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
7	2.4	14.6	17.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	1.6	1.6	0.0	.2	.2	.4	0.0	.4
9	0.0	25.4	25.4	0.0	0.0	0.0	.3	.9	1.2
10	1.2	0.0	1.2	0.0	15.1	15.1	0.0	.5	.5
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.7	33.7
12	0.0	9.3	9.3	0.0	0.0	0.0	0.0	21.9	21.9
13	0.0	0.0	0.0	0.0	6.1	6.1	0.0	2.2	2.2
14	0.0	.4	.4	.3	0.0	.3	.6	0.0	.6
15	1.8	0.0	1.8	0.0	1.3	1.3	.1	0.0	.1
16	.8	2.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0
17	.2	.9	1.1	0.0	.3	.3	0.0	0.0	0.0
18	.4	18.5	18.9	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	.3	4.0	4.3	0.0	.5	.5
20	0.0	16.8	16.8	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	2.7	2.7
22	.3	0.0	.3	0.0	0.0	0.0	0.0	1.5	1.5
23	0.0	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	15.4	15.4	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	6.8	6.8	.3	0.0	.3
26	0.0	0.0	0.0	.6	0.0	.6	.1	1.2	1.3
27	0.0	0.0	0.0	0.0	.8	.8	0.0	2.8	2.8
28	0.0	0.0	0.0	13.6	0.0	13.6	0.0	0.0	0.0
29	0.0	.2	.2	.5	0.0	.5	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	13.9	13.9	.3	4.8	5.1
31	0.0	0.0	0.0	0.0	0.0	0.0			
TOTAL	7.9	229.4	237.3	15.3	60.4	75.7	2.2	111.9	114.1

DIA	OCTUBRE			NOVIEMBRE			DICIEMBRE		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	0.0	34.8	34.8	7.9	0.0	7.9	2.0	0.0	2.0
2	1.3	0.0	1.3	.1	32.3	32.4	13.1	.2	13.3
3	0.0	0.0	0.0	9.8	17.4	27.2	.1	7.8	7.9
4	0.0	25.5	25.5	5.0	0.0	5.0	34.4	20.5	54.9
5	3.1	0.0	3.1	.3	0.0	.3	.4	2.5	2.9
6	2.6	0.0	2.6	0.0	.5	.5	0.0	0.0	0.0
7	0.0	10.8	10.8	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	15.6	15.6	1.1	.2	1.3
9	5.2	9.6	14.8	0.0	3.8	3.8	0.0	0.0	0.0
10	.7	.9	1.6	0.0	1.9	1.9	0.0	0.0	0.0
11	2.1	50.2	52.3	.5	0.0	.5	0.0	0.0	0.0
12	1.1	4.2	5.3	0.0	6.2	6.2	0.0	0.0	0.0
13	4.8	1.7	6.5	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	4.9	4.9	0.0	3.4	3.4	0.0	0.0	0.0
15	.1	0.0	.1	0.0	.5	.5	0.0	1.1	1.1
16	0.0	37.2	37.2	0.0	15.1	15.1	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	5.1	5.1	0.0	0.0	0.0
18	0.0	.7	.7	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	22.6	22.6	0.0	.8	.8	0.0	0.0	0.0
20	0.0	.2	.2	.6	0.0	.6	0.0	0.0	0.0
21	2.1	0.0	2.1	.1	1.1	1.2	0.0	0.0	0.0
22	6.9	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	5.4	5.4	0.0	0.0	0.0
24	3.9	0.0	3.9	0.0	0.0	0.0	0.0	8.8	8.8
25	0.0	13.9	13.9	0.0	0.0	0.0	.2	0.0	.2
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	9.9
27	5.2	.3	5.5	0.0	0.0	0.0	0.0	11.8	11.8
28	19.0	0.0	19.0	.1	21.3	21.4	0.0	0.0	0.0
29	5.8	0.0	5.8	0.0	7.2	7.2	0.0	0.0	0.0
30	0.0	28.5	28.5	0.0	0.0	0.0	0.0	16.4	16.4
31	2.4	4.8	7.2				0.0	0.0	0.0
TOTAL	66.3	250.8	317.1	24.4	137.6	162.0	51.3	79.2	130.5

ESTACION: SANTA ROSITA

DPTO: CUNDINAMARCA

LATITUD : 05° 17'N

ANO : 1990

MPIO: EL PEÑON

LONGITUD: 74° 17'W  
ALTITUD : 1430 m.

DIA	ENERO			FEBRERO			MARZO		
	PRECIPITACION DIA	PRECIPITACION NOCHE	PRECIPITACION TOTAL	PRECIPITACION DIA	PRECIPITACION NOCHE	PRECIPITACION TOTAL	PRECIPITACION DIA	PRECIPITACION NOCHE	PRECIPITACION TOTAL
1	.9	0.0	.9	1.1	5.4	6.5	0.0	0.0	0.0
2	0.0	0.0	0.0	.1	0.0	.1	10.0	4.2	14.2
3	0.0	0.0	0.0	0.0	0.0	0.0	.7	2.7	3.4
4	0.0	4.4	4.4	0.0	32.3	32.3	18.8	0.0	18.8
5	6.1	.4	6.5	8.7	2.5	11.2	.5	.2	.7
6	57.8	4.6	62.4	.2	.4	.6	.3	12.9	13.2
7	0.0	0.0	0.0	1.1	.9	2.0	4.7	0.0	4.7
8	0.0	0.0	0.0	37.8	1.7	39.5	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0
10	0.0	25.0	25.0	.4	.6	1.0	0.0	0.0	0.0
11	0.0	22.0	22.0	0.0	0.0	0.0	.4	0.0	.4
12	62.1	0.0	62.1	0.0	0.0	0.0	0.0	0.0	0.0
13	9.9	0.0	9.9	0.0	34.3	34.3	0.0	0.0	0.0
14	15.3	17.1	32.4	0.0	.1	.1	0.0	0.0	0.0
15	4.8	.1	4.9	0.0	0.0	0.0	.6	.1	.7
16	0.0	0.0	0.0	0.0	0.0	0.0	.2	0.0	.2
17	0.0	0.0	0.0	0.0	0.0	0.0	.7	65.3	66.0
18	0.0	0.0	0.0	0.0	1.1	1.1	1.8	0.0	1.8
19	0.0	0.0	0.0	.7	14.3	15.0	0.0	6.1	6.1
20	0.0	0.0	0.0	.1	11.5	11.6	0.0	.5	.5
21	0.0	0.0	0.0	.5	6.0	6.5	.4	0.0	.4
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.4	29.4
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7	11.7
24	0.0	0.0	0.0	.2	0.0	.2	1.1	0.0	1.1
25	0.0	0.0	0.0	0.0	0.0	0.0	.1	3.2	3.3
26	14.1	.4	14.5	0.0	0.0	0.0	7.6	0.0	7.6
27	0.0	0.0	0.0	0.0	0.0	0.0	.2	0.0	.2
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	.6	.6	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	.6	.6	0.0	.1	.1	0.0	.1	.1
31	0.0	0.0	0.0	0.0	.1	.1	.1	1.5	1.6
TOTAL	171.0	75.2	246.2	50.9	121.1	172.0	48.2	137.9	186.1

DIA	ABRIL			MAYO			JUNIO		
	PRECIPITACION DIA	PRECIPITACION NOCHE	PRECIPITACION TOTAL	PRECIPITACION DIA	PRECIPITACION NOCHE	PRECIPITACION TOTAL	PRECIPITACION DIA	PRECIPITACION NOCHE	PRECIPITACION TOTAL
1	17.7	0.0	17.7	.7	17.8	18.5	.9	0.0	.9
2	0.0	0.0	0.0	.3	61.5	61.8	7.9	0.0	7.9
3	0.0	0.0	0.0	0.0	1.8	1.8	.1	.2	.3
4	3.7	.1	3.8	11.9	4.2	16.1	29.3	.1	29.4
5	0.0	.2	.2	.1	26.0	26.1	0.0	0.0	0.0
6	2.7	0.0	2.7	3.5	0.0	3.5	0.0	0.0	0.0
7	0.0	0.0	0.0	1.9	.2	2.1	.2	0.0	.2
8	0.0	0.0	0.0	5.1	0.0	5.1	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	2.6	2.6	0.0	8.4	8.4
10	0.0	0.0	0.0	4.8	5.2	10.0	7.4	27.7	35.1
11	7.8	0.0	7.8	46.2	13.4	59.6	.7	0.0	.7
12	10.9	.8	11.7	.5	.3	.8	0.0	.5	.5
13	0.0	59.7	59.7	10.7	10.1	20.8	0.0	8.1	8.1
14	10.0	0.0	10.0	.3	0.0	.3	1.2	4.0	5.2
15	.2	5.1	5.3	0.0	0.0	0.0	.5	0.0	.5
16	0.0	0.0	0.0	1.2	0.0	1.2	0.0	0.0	0.0
17	.6	0.0	.6	0.0	0.0	0.0	0.0	0.0	0.0
18	8.3	.7	9.0	0.0	0.0	0.0	0.0	0.0	0.0
19	.1	0.0	.1	0.0	0.0	0.0	0.0	0.0	0.0
20	10.0	0.0	10.0	2.0	0.0	2.0	.1	0.0	.1
21	2.3	14.7	17.0	0.0	0.0	0.0	0.0	0.0	0.0
22	41.4	4.1	45.5	0.0	0.0	0.0	0.0	0.0	0.0
23	2.7	29.0	31.7	1.9	0.0	1.9	0.0	0.0	0.0
24	.3	5.4	5.7	0.0	0.0	0.0	3.6	0.0	3.6
25	.6	45.6	46.2	.8	0.0	.8	.2	0.0	.2
26	3.6	.1	3.7	0.0	0.0	0.0	0.0	0.0	0.0
27	5.9	0.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0
28	5.9	1.1	7.0	1.1	10.8	11.9	0.0	0.0	0.0
29	0.0	.5	.5	4.5	0.0	4.5	0.0	0.0	0.0
30	.4	0.0	.4	0.0	0.0	0.0	0.0	0.0	0.0
31				6.0	0.0	6.0			
TOTAL	135.1	167.1	302.2	103.5	153.9	257.4	52.1	49.0	101.1

ESTACION: SANTA ROSITA

DPTO: CUNDINAMARCA

LATITUD : 05° 17'N

ANO : 1990

MPIO: EL PEÑON

LONGITUD : 74° 17'W

ALTITUD : 1430 m.

DIA	JULIO			AGOSTO			SEPTIEMBRE		
	PRECIPITACION DIA	NOCHE	TOTAL	PRECIPITACION DIA	NOCHE	TOTAL	PRECIPITACION DIA	NOCHE	TOTAL
1	0.0	0.0	0.0	0.0	1.1	1.1	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
3	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
5	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	2.0	0.0	2.0
7	2.9	0.0	2.9	0.0	0.0	0.0	5.9	0.0	5.9
8	.9	37.4	38.3	0.0	.3	.3	6.6	0.0	6.6
9	1.1	5.0	6.1	0.0	.2	.2	3.9	0.0	3.9
10	2.6	1.1	3.7	0.0	0.0	0.0	3.1	0.0	3.1
11	0.0	0.0	0.0	0.0	0.0	0.0	.1	.4	.5
12	0.0	0.0	0.0	0.0	0.0	0.0	.6	0.0	.6
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
14	.2	.1	.3	20.0	.1	20.1	0.0	0.0	0.0
15	0.0	0.0	0.0	1.1	.1	1.2	0.0	0.0	0.0
16	.5	.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0
17	.3	5.8	6.1	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	2.0	2.0	0.0	0.0	0.0	0.0	.5	.5
19	0.0	0.0	0.0	0.0	.4	.4	.7	0.0	.7
20	1.9	6.3	8.2	0.0	0.0	0.0	12.3	0.0	12.3
21	0.0	0.0	0.0	0.0	0.0	0.0	.2	0.0	.2
22	4.5	.4	4.9	0.0	.1	.1	5.8	9.4	15.2
23	1.0	0.0	1.0	0.0	0.0	0.0	.4	16.9	17.3
24	.2	0.0	.2	0.0	0.0	0.0	5.6	0.0	5.6
25	0.0	0.0	0.0	0.0	1.8	1.8	.2	.8	1.0
26	0.0	0.0	0.0	6.1	2.5	8.6	6.1	0.0	6.1
27	0.0	0.0	0.0	0.0	80.8	80.8	0.0	0.0	0.0
28	0.0	0.0	0.0	.8	.2	1.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
30	0.0	0.0	0.0	36.9	4.4	41.3	20.4	0.0	20.4
31	0.0	0.0	0.0	6.0	0.0	6.0			
TOTAL	16.1	58.8	74.9	70.9	92.0	162.9	73.9	31.0	104.9

DIA	OCTUBRE			NOVIEMBRE			DICIEMBRE		
	PRECIPITACION DIA	NOCHE	TOTAL	PRECIPITACION DIA	NOCHE	TOTAL	PRECIPITACION DIA	NOCHE	TOTAL
1	2.2	6.0	8.2	.6	6.8	7.4	0.0	0.0	0.0
2	5.0	0.0	5.0	0.0	22.0	22.0	26.2	4.1	30.3
3	.7	2.7	3.4	20.9	28.2	49.1	2.3	7.8	10.1
4	.2	15.0	15.2	0.0	48.2	48.2	4.3	13.2	17.5
5	1.2	1.0	2.2	4.2	11.4	15.6	11.1	5.7	16.8
6	.3	8.1	8.4	0.0	0.0	0.0	0.0	3.0	3.0
7	1.5	15.9	17.4	0.0	0.0	0.0	32.4	4.4	36.8
8	2.5	0.0	2.5	0.0	4.4	4.4	0.0	0.0	0.0
9	2.7	8.7	11.4	1.0	.3	1.3	0.0	0.0	0.0
10	0.0	12.1	12.1	0.0	0.0	0.0	0.0	0.0	0.0
11	1.1	38.1	39.2	0.0	0.0	0.0	0.0	.8	.8
12	2.8	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0
13	22.5	.4	22.9	4.9	17.3	22.2	.8	0.0	.8
14	8.5	0.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0
15	7.0	0.0	7.0	0.0	0.0	0.0	0.0	5.2	5.2
16	2.7	3.7	6.4	6.0	0.0	6.0	0.0	0.0	0.0
17	6.5	5.8	12.3	.1	18.8	18.9	7.7	.1	7.8
18	0.0	0.0	0.0	28.0	11.1	39.1	0.0	0.0	0.0
19	23.0	6.4	29.4	0.0	0.0	0.0	0.0	0.0	0.0
20	.2	0.0	.2	6.5	8.9	15.4	0.0	0.0	0.0
21	0.0	0.0	0.0	.7	1.2	1.9	0.0	0.0	0.0
22	0.0	.3	.3	1.3	.3	1.6	0.0	0.0	0.0
23	15.0	0.0	15.0	.5	.3	.8	0.0	5.8	5.8
24	0.0	3.3	3.3	5.5	.9	6.4	7.0	.2	7.2
25	0.0	9.5	9.5	0.0	0.0	0.0	0.0	0.0	0.0
26	.1	.4	.5	11.8	0.0	11.8	10.8	14.8	25.6
27	.1	28.0	28.1	0.0	0.0	0.0	.3	8.7	9.0
28	18.0	.2	18.2	0.0	0.0	0.0	0.0	.5	.5
29	5.6	.1	5.7	0.0	5.5	5.5	2.8	2.1	4.9
30	0.0	0.0	0.0	.8	.1	.9	.8	0.0	.8
31	0.0	0.0	0.0				0.0	.5	.5
TOTAL	129.4	165.7	295.1	92.8	185.7	278.5	106.5	76.9	183.4



ESTACION: BREMEN

DPTO: QUINDIO

LATITUD : 04° 40'N

ANO : 1990

MPIO: CIRCASIA

LONGITUD: 75° 37'W

ALTITUD : 2040 m.

DIA	ENERO			FEBRERO			MARZO		
	PRECIPITACION mm			PRECIPITACION mm			PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	0.0	14.9	14.9	0.0	0.0	0.0	8.4	1.1	9.5
2	0.0	0.0	0.0	14.3	.3	14.6	1.1	0.0	1.1
3	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	10.0
4	4.1	0.0	4.1	0.0	17.1	17.1	0.0	1.3	1.3
5	.3	0.0	.3	5.8	4.0	9.8	2.1	0.0	2.1
6	11.8	.2	12.0	0.0	0.0	0.0	1.9	.1	2.0
7	10.4	0.0	10.4	0.0	0.0	0.0	.4	.6	1.0
8	5.8	0.0	5.8	1.7	8.7	10.4	0.0	0.0	0.0
9	30.2	0.0	30.2	1.1	.2	1.3	0.0	0.0	0.0
10	6.4	0.0	6.4	.1	.2	.3	0.0	0.0	0.0
11	1.6	0.0	1.6	0.0	9.9	9.9	0.0	0.0	0.0
12	.3	.8	1.1	.5	0.0	.5	.6	0.0	.6
13	19.9	0.0	19.9	.7	0.0	.7	0.0	0.0	0.0
14	.6	0.0	.6	.9	.4	1.3	0.0	0.0	0.0
15	.1	0.0	.1	.1	.2	.3	0.0	0.0	0.0
16	0.0	0.0	0.0	.4	0.0	.4	5.1	0.0	5.1
17	0.0	0.0	0.0	29.5	30.3	59.8	5.7	.1	5.8
18	0.0	0.0	0.0	8.0	5.7	13.7	6.7	.1	6.8
19	0.0	0.0	0.0	2.9	2.0	4.9	0.0	.2	.2
20	14.1	0.0	14.1	2.0	0.0	2.0	0.0	0.0	0.0
21	5.8	0.0	5.8	47.0	0.0	47.0	6.1	0.0	6.1
22	0.0	0.0	0.0	2.2	0.0	2.2	8.3	0.0	8.3
23	0.0	0.0	0.0	12.7	.5	13.2	.2	4.3	4.5
24	0.0	0.0	0.0	.1	3.7	3.8	0.0	0.0	0.0
25	0.0	0.0	0.0	2.5	7.6	10.1	25.3	2.4	27.7
26	3.8	.1	3.9	1.7	8.5	10.2	25.0	0.0	25.0
27	0.0	0.0	0.0	18.6	6.8	25.4	0.0	0.0	0.0
28	0.0	0.0	0.0	.2	0.0	.2	16.6	0.0	16.6
29	0.0	0.0	0.0				0.0	0.0	0.0
30	0.0	0.0	0.0				4.1	.1	4.2
31	0.0	0.0	0.0				8.1	32.8	40.9
TOTAL	115.2	16.0	131.2	153.0	106.1	259.1	135.7	43.1	178.8

DIA	ABRIL			MAYO			JUNIO		
	PRECIPITACION mm			PRECIPITACION mm			PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	2.2	0.0	2.2	.1	0.0	.1	9.1	0.0	9.1
2	0.0	0.0	0.0	0.0	2.1	2.1	0.0	0.0	0.0
3	8.9	0.0	8.9	35.4	4.2	39.6	0.0	0.0	0.0
4	17.0	.6	17.6	1.0	36.2	37.2	.1	0.0	.1
5	.9	0.0	.9	11.5	.1	11.6	0.0	0.0	0.0
6	.4	0.0	.4	.9	0.0	.9	0.0	0.0	0.0
7	0.0	0.0	0.0	2.9	0.0	2.9	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	.1	.1	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
10	0.0	0.0	0.0	.9	3.3	4.2	3.7	.4	4.1
11	0.0	0.0	0.0	18.7	0.0	18.7	0.0	0.0	0.0
12	.1	0.0	.1	1.1	0.0	1.1	1.2	.1	1.3
13	35.8	.9	36.7	.3	1.6	1.9	.2	24.1	24.3
14	8.7	1.0	9.7	0.0	0.0	0.0	52.0	.8	52.8
15	5.4	20.4	25.8	0.0	0.0	0.0	0.0	1.5	1.5
16	0.0	0.0	0.0	0.0	0.0	0.0	.3	0.0	.3
17	3.8	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0
18	20.3	0.0	20.3	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	5.4	.4	5.8	2.0	0.0	2.0	0.0	0.0	0.0
21	55.0	0.0	55.0	.1	.1	.2	0.0	0.0	0.0
22	20.1	0.0	20.1	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	.2	0.0	.2	1.2	0.0	1.2
24	49.0	0.0	49.0	1.6	.1	1.7	0.0	0.0	0.0
25	0.0	6.8	6.8	0.0	0.0	0.0	0.0	0.0	0.0
26	20.4	0.0	20.4	.1	0.0	.1	0.0	0.0	0.0
27	.6	20.0	20.6	0.0	.1	.1	0.0	0.0	0.0
28	1.7	12.0	13.7	0.0	0.0	0.0	0.0	0.0	0.0
29	.6	.1	.7	4.0	0.0	4.0	0.0	0.0	0.0
30	5.5	4.5	10.0	.1	0.0	.1	0.0	0.0	0.0
31				4.0	.1	4.1			
TOTAL	261.8	66.7	328.5	84.9	48.0	132.9	67.8	29.1	96.9

ESTACION: BREMEN

DPTO: QUINDIO

LATITUD : 04° 40'N

ANO : 1990

MPIO: CIRCASIA

LONGITUD: 75° 37'W

ALTITUD : 2040 m.

DIA	JULIO			AGOSTO			SEPTIEMBRE		
	PRECIPITACION mm			PRECIPITACION mm			PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.2	.2
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	.5	.3	.8	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	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	11.4	0.0	11.4
7	1.2	.2	1.4	0.0	0.0	0.0	0.0	.4	.4
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	4.1	31.1	35.2	0.0	0.0	0.0	1.0	0.0	1.0
10	3.0	0.0	3.0	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	3.1	.1	3.2
12	0.0	0.0	0.0	0.0	0.0	0.0	4.6	2.0	6.6
13	14.4	0.0	14.4	0.0	0.0	0.0	0.0	.8	.8
14	6.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
15	.4	.5	.9	0.0	0.0	0.0	0.0	0.0	0.0
16	2.2	.1	2.3	0.0	0.0	0.0	0.0	0.0	0.0
17	.1	1.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0
18	2.7	22.6	25.3	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	44.0	0.0	44.0
20	0.0	4.1	4.1	0.0	0.0	0.0	.2	0.0	.2
21	.2	10.5	10.7	0.0	0.0	0.0	12.2	9.3	21.5
22	.5	0.0	.5	0.0	0.0	0.0	4.2	.4	4.6
23	0.0	.1	.1	0.0	0.0	0.0	9.0	0.0	9.0
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	.7	0.0	.7
26	0.0	0.0	0.0	20.3	0.0	20.3	11.1	.1	11.2
27	0.0	0.0	0.0	5.6	.6	6.2	0.0	0.0	0.0
28	0.0	0.0	0.0	2.8	0.0	2.8	0.0	0.0	0.0
29	0.0	0.0	0.0	11.5	1.1	12.6	5.5	.4	5.9
30	0.0	0.0	0.0	28.7	4.7	33.4	15.1	5.5	20.6
31	0.0	0.0	0.0	0.0	.2	.2			
TOTAL	35.3	71.2	106.5	68.9	6.6	75.5	122.1	20.2	142.3

DIA	OCTUBRE			NOVIEMBRE			DICIEMBRE		
	PRECIPITACION mm			PRECIPITACION mm			PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	4.4	21.3	25.7	3.3	0.0	3.3	0.0	8.5	8.5
2	12.0	0.0	12.0	34.0	2.4	36.4	38.2	.1	38.3
3	6.8	.6	7.4	0.0	8.4	8.4	13.6	2.1	15.7
4	22.9	11.4	34.3	4.9	0.0	4.9	0.0	45.0	45.0
5	5.1	0.0	5.1	7.2	0.0	7.2	40.0	0.0	40.0
6	.6	2.2	2.8	0.0	0.0	0.0	5.6	0.0	5.6
7	37.4	4.7	42.1	0.0	0.0	0.0	2.5	11.2	13.7
8	2.0	0.0	2.0	41.0	0.0	41.0	20.9	0.0	20.9
9	12.4	0.0	12.4	5.0	.1	5.1	5.3	18.7	24.0
10	6.4	.3	6.7	6.3	0.0	6.3	0.0	0.0	0.0
11	6.4	30.6	37.0	0.0	0.0	0.0	10.1	0.0	10.1
12	29.6	.5	30.1	37.5	0.0	37.5	4.5	0.0	4.5
13	18.8	0.0	18.8	4.6	0.0	4.6	0.0	0.0	0.0
14	11.1	5.7	16.8	0.0	0.0	0.0	8.0	0.0	8.0
15	.8	0.0	.8	0.0	0.0	0.0	0.0	0.0	0.0
16	1.4	9.0	10.4	2.6	7.3	9.9	0.0	0.0	0.0
17	3.4	9.6	13.0	.3	0.0	.3	0.0	0.0	0.0
18	5.4	8.0	13.4	3.1	0.0	3.1	0.0	0.0	0.0
19	1.1	.5	1.6	0.0	2.2	2.2	0.0	0.0	0.0
20	9.2	0.0	9.2	.4	1.6	2.0	0.0	0.0	0.0
21	2.2	0.0	2.2	26.0	0.0	26.0	0.0	0.0	0.0
22	1.1	.1	1.2	0.0	0.0	0.0	10.5	.3	10.8
23	22.9	0.0	22.9	0.0	14.2	14.2	0.0	16.1	16.1
24	.2	.2	.4	0.0	0.0	0.0	0.0	1.2	1.2
25	.3	8.3	8.6	0.0	0.0	0.0	.2	0.0	.2
26	0.0	0.0	0.0	8.1	0.0	8.1	2.1	0.0	2.1
27	2.8	8.4	11.2	4.6	0.0	4.6	0.0	.6	.6
28	0.0	9.6	9.6	0.0	0.0	0.0	.6	0.0	.6
29	6.2	0.0	6.2	33.2	8.3	41.5	41.0	0.0	41.0
30	.1	5.3	5.4	8.5	0.0	8.5	.5	.7	1.2
31	4.0	2.5	6.5				44.1	0.0	44.1
TOTAL	237.0	138.8	375.8	230.6	44.5	275.1	247.7	104.5	352.2

ESTACION: LA DELFITA

DPTO: RISARALDA

LATITUD : 05° 12'N

ANO : 1990

MPIO: BELEN DE UMBRIA

LONGITUD: 75° 52'W  
ALTITUD : 1520 m.

DIA	ENERO			FEBRERO			MARZO		
	PRECIPITACION mm			PRECIPITACION mm			PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	0.0	.8	.8	0.0	0.0	0.0	2.7	0.0	2.7
2	0.0	8.9	8.9	0.0	0.0	0.0	0.0	2.4	2.4
3	0.0	0.0	0.0	0.0	1.7	1.7	35.8	0.0	35.8
4	0.0	.2	.2	.8	0.0	.8	9.7	0.0	9.7
5	2.9	0.0	2.9	6.3	7.0	13.3	0.0	0.0	0.0
6	8.1	0.0	8.1	.3	0.0	.3	0.0	6.1	6.1
7	12.8	0.0	12.8	0.0	.4	.4	0.0	.5	.5
8	.5	0.0	.5	.3	13.0	13.3	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	.2	.2	1.4	0.0	1.4	8.6	0.0	8.6
11	2.2	12.1	14.3	0.0	26.2	26.2	0.0	0.0	0.0
12	7.1	0.0	7.1	2.9	0.0	2.9	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.1	.1
14	0.0	.7	.7	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
16	0.0	2.1	2.1	0.0	0.0	0.0	.6	.1	.7
17	.1	24.9	25.0	0.0	0.0	0.0	0.0	6.4	6.4
18	0.0	0.0	0.0	16.2	.1	16.3	.1	0.0	.1
19	0.0	0.0	0.0	8.9	.2	9.1	.8	2.2	3.0
20	.2	0.0	.2	3.1	0.0	3.1	.1	.1	.2
21	0.0	3.0	3.0	0.0	0.0	0.0	10.7	.1	10.8
22	1.6	0.0	1.6	0.0	0.0	0.0	0.0	.7	.7
23	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0	8.4
24	0.0	0.0	0.0	0.0	1.9	1.9	.4	0.0	.4
25	0.0	6.0	6.0	4.7	10.6	15.3	41.5	.1	41.6
26	0.0	0.0	0.0	5.6	0.0	5.6	3.2	.8	4.0
27	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	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	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	5.7	5.7
TOTAL	35.5	58.9	94.4	50.5	61.1	111.6	122.6	25.3	147.9

DIA	ABRIL			MAYO			JUNIO		
	PRECIPITACION mm			PRECIPITACION mm			PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	3.2	0.0	3.2	9.1	0.0	9.1	7.3	0.0	7.3
2	0.0	.8	.8	1.4	0.0	1.4	0.0	0.0	0.0
3	.3	.9	1.2	2.0	.1	2.1	0.0	0.0	0.0
4	3.3	3.7	7.0	0.0	0.0	0.0	1.4	0.0	1.4
5	.7	11.7	12.4	0.0	.4	.4	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
7	0.0	0.0	0.0	0.0	22.1	22.1	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	4.1	4.1	0.0	0.0	0.0
9	0.0	0.0	0.0	3.4	4.2	7.6	2.4	5.1	7.5
10	0.0	0.0	0.0	0.0	4.5	4.5	.2	22.6	22.8
11	0.0	27.2	27.2	0.0	3.6	3.6	.5	0.0	.5
12	0.0	.4	.4	0.0	0.0	0.0	2.5	0.0	2.5
13	.1	15.8	15.9	1.3	10.0	11.3	1.5	2.1	3.6
14	2.1	.4	2.5	0.0	.6	.6	0.0	0.0	0.0
15	.1	15.8	15.9	0.0	0.0	0.0	0.0	8.6	8.6
16	.4	0.0	.4	0.0	5.4	5.4	4.1	0.0	4.1
17	0.0	0.0	0.0	5.6	.5	6.1	0.0	0.0	0.0
18	.9	2.4	3.3	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	0.0	49.3	49.3	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	.9	.9	0.0	0.0	0.0
22	0.0	17.1	17.1	0.0	0.0	0.0	0.0	0.0	0.0
23	.6	0.0	.6	0.0	7.0	7.0	0.0	0.0	0.0
24	0.0	0.0	0.0	15.2	3.6	18.8	0.0	0.0	0.0
25	1.1	5.9	7.0	0.0	0.0	0.0	0.0	0.0	0.0
26	.1	6.9	7.0	8.8	.1	8.9	0.0	0.0	0.0
27	5.9	35.7	41.6	0.0	5.0	5.0	0.0	0.0	0.0
28	.1	1.6	1.7	12.5	9.1	21.6	0.0	0.0	0.0
29	0.0	0.0	0.0	3.4	0.0	3.4	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	18.9	195.6	214.5	62.7	81.2	143.9	19.9	39.6	59.5

ESTACION: LA DELFITA

DPTO: RISARALDA

LATITUD : 05° 12'N

AÑO : 1990

MPIO: BELEN DE UMBRIA

LONGITUD: 75° 52'W

ALTITUD : 1520 m.

DIA	JULIO			AGOSTO			SEPTIEMBRE		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	0.0	9.8	9.8	0.0	0.0	0.0	0.0	9.3	9.3
2	0.0	0.0	0.0	0.0	1.4	1.4	0.0	0.0	0.0
3	0.0	4.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0
4	.1	11.1	11.2	0.0	0.0	0.0	0.0	0.0	0.0
5	.2	3.7	3.9	0.0	0.0	0.0	0.0	1.3	1.3
6	0.0	0.0	0.0	0.0	.1	.1	0.0	3.2	3.2
7	0.0	5.9	5.9	0.0	0.0	0.0	0.0	0.0	0.0
8	.1	6.5	6.6	0.0	.1	.1	.3	0.0	.3
9	0.0	12.3	12.3	0.0	0.0	0.0	0.0	0.0	0.0
10	17.3	0.0	17.3	0.0	0.0	0.0	0.0	0.0	0.0
11	.1	1.5	1.6	0.0	0.0	0.0	0.0	1.6	1.6
12	0.0	0.0	0.0	0.0	.1	.1	0.0	8.5	8.5
13	5.2	3.9	9.1	0.0	0.0	0.0	0.0	.1	.1
14	0.0	1.9	1.9	1.5	0.0	1.5	.3	0.0	.3
15	.3	0.0	.3	0.0	.5	.5	0.0	0.0	0.0
16	.2	8.9	9.1	0.0	4.7	4.7	0.0	0.0	0.0
17	.2	19.8	20.0	0.0	0.0	0.0	0.0	0.0	0.0
18	.6	12.5	13.1	0.0	0.0	0.0	0.0	.7	.7
19	.5	0.0	.5	0.0	0.0	0.0	0.0	8.8	8.8
20	0.0	16.5	16.5	0.0	0.0	0.0	0.0	0.0	0.0
21	.1	0.0	.1	0.0	0.0	0.0	0.0	7.1	7.1
22	0.0	0.0	0.0	0.0	0.0	0.0	.1	0.0	.1
23	0.0	.3	.3	.3	0.0	.3	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
25	0.0	0.0	0.0	0.0	14.0	14.0	2.1	0.0	2.1
26	0.0	0.0	0.0	0.0	0.0	0.0	1.4	.2	1.6
27	0.0	.2	.2	0.0	1.8	1.8	1.2	0.0	1.2
28	0.0	0.0	0.0	1.8	0.0	1.8	0.0	0.0	0.0
29	0.0	4.3	4.3	.1	1.2	1.3	0.0	0.0	0.0
30	0.0	0.0	0.0	3.3	4.7	8.0	0.0	37.6	37.6
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	24.9	123.5	148.4	7.0	28.6	35.6	5.4	78.4	83.8

DIA	OCTUBRE			NOVIEMBRE			DICIEMBRE		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	0.0	4.0	4.0	4.6	0.0	4.6	5.1	.1	5.2
2	31.9	0.0	31.9	5.8	.1	5.9	1.5	0.0	1.5
3	0.0	0.0	0.0	.1	2.9	3.0	8.6	1.2	9.8
4	.7	0.0	.7	18.9	0.0	18.9	.6	7.6	8.2
5	5.2	.1	5.3	8.5	0.0	8.5	6.1	5.5	11.6
6	0.0	0.0	0.0	0.0	3.8	3.8	.2	0.0	.2
7	14.7	8.2	22.9	.2	0.0	.2	10.6	.1	10.7
8	0.0	.1	.1	22.9	.1	23.0	0.0	.2	.2
9	.1	2.4	2.5	.7	0.0	.7	0.0	0.0	0.0
10	.3	0.0	.3	0.0	0.0	0.0	0.0	0.0	0.0
11	4.3	28.5	32.8	0.0	0.0	0.0	0.0	0.0	0.0
12	.5	.2	.7	0.0	0.0	0.0	0.0	0.0	0.0
13	.3	3.2	3.5	0.0	13.6	13.6	0.0	0.0	0.0
14	.4	8.3	8.7	0.0	.7	.7	0.0	0.0	0.0
15	.3	0.0	.3	.2	0.0	.2	0.0	0.0	0.0
16	0.0	13.0	13.0	.2	8.7	8.9	0.0	0.0	0.0
17	9.2	1.0	10.2	0.0	.4	.4	0.0	0.0	0.0
18	0.0	0.0	0.0	4.2	.5	4.7	0.0	0.0	0.0
19	.3	17.9	18.2	0.0	15.3	15.3	0.0	0.0	0.0
20	0.0	4.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0
21	.2	0.0	.2	19.7	1.1	20.8	0.0	0.0	0.0
22	14.4	0.0	14.4	0.0	0.0	0.0	.1	18.9	19.0
23	0.0	0.0	0.0	1.9	6.4	8.3	0.0	0.0	0.0
24	.7	0.0	.7	2.6	0.0	2.6	.1	.8	.9
25	0.0	6.7	6.7	0.0	5.6	5.6	2.3	.6	2.9
26	0.0	0.0	0.0	.6	0.0	.6	0.0	3.6	3.6
27	.4	2.8	3.2	0.0	.1	.1	.2	0.0	.2
28	0.0	0.0	0.0	0.0	.4	.4	2.2	0.0	2.2
29	.1	3.9	4.0	3.8	0.0	3.8	.1	0.0	.1
30	0.0	.3	.3	0.0	3.7	3.7	0.0	0.0	0.0
31	0.0	29.6	29.6				.7	0.0	.7
TOTAL	84.0	134.3	218.3	94.9	63.4	158.3	38.4	38.6	77.0

ESTACION: PLANTA DE TRATAMIENTO DPTO: RISARALDA

LATITUD : 04° 48'N

LONGITUD: 75° 40'W

ANO : 1990

MPIO: PEREIRA

ALTITUD : 1450 m.

DIA	ENERO			FEBRERO			MARZO		
	PRECIPITACION mm			PRECIPITACION mm			PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	1.4	4.6	6.0	0.0	0.0	0.0	0.0	0.0	0.0
2	1.0	0.0	1.0	0.0	0.0	0.0	0.1	0.0	0.1
3	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	20.0
4	3.9	0.0	3.9	0.0	3.9	3.9	0.0	0.2	0.2
5	0.0	0.0	0.0	8.1	37.9	46.0	0.4	0.0	0.4
6	0.0	1.4	1.4	0.0	0.0	0.0	0.0	0.2	0.2
7	0.0	3.7	3.7	0.0	0.0	0.0	3.0	0.0	3.0
8	5.0	8.7	13.7	0.4	24.0	24.4	0.5	0.0	0.5
9	17.1	4.0	21.1	0.3	0.4	0.7	2.2	0.0	2.2
10	0.0	0.4	0.4	0.2	0.0	0.2	0.0	0.0	0.0
11	6.6	0.0	6.6	2.8	25.3	28.1	0.0	0.0	0.0
12	2.0	0.0	2.0	3.9	0.0	3.9	0.0	0.0	0.0
13	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	21.8	21.8	0.0	0.0	0.0
15	0.0	0.0	0.0	2.0	0.0	2.0	0.0	0.6	0.6
16	0.0	0.1	0.1	0.2	0.0	0.2	0.3	0.0	0.3
17	0.0	0.0	0.0	0.0	0.0	0.0	1.4	23.8	25.2
18	4.5	0.0	4.5	2.8	15.6	18.4	3.7	0.0	3.7
19	3.7	0.0	3.7	1.6	1.9	3.5	0.2	0.0	0.2
20	0.0	0.0	0.0	8.2	0.0	8.2	0.9	0.1	1.0
21	1.2	0.1	1.3	1.9	0.0	1.9	16.1	0.0	16.1
22	0.0	0.0	0.0	2.4	0.0	2.4	14.9	0.0	14.9
23	0.0	0.0	0.0	0.0	0.0	0.0	0.3	30.3	30.6
24	2.7	0.0	2.7	0.0	1.6	1.6	0.2	7.8	8.0
25	0.0	0.0	0.0	1.2	5.1	6.3	30.2	1.8	32.0
26	5.6	0.1	5.7	0.0	0.1	0.1	3.7	9.3	13.0
27	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	0.0	0.0	0.0	0.0	0.0
29	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
30	4.7	0.0	4.7	0.0	0.0	0.0	0.5	1.5	2.0
31	0.0	0.0	0.0	0.0	0.0	0.0	29.4	2.2	31.6
TOTAL	59.7	23.4	83.1	36.0	137.6	173.6	128.0	77.8	205.8

DIA	ABRIL			MAYO			JUNIO		
	PRECIPITACION mm			PRECIPITACION mm			PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	0.1	0.0	0.1	2.6	0.0	2.6	1.2	0.0	1.2
2	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0
3	0.0	0.0	0.0	0.4	11.9	12.3	0.0	0.0	0.0
4	15.8	6.1	21.9	0.0	3.2	3.2	31.0	0.0	31.0
5	0.1	0.1	0.2	0.7	1.6	2.3	0.0	0.0	0.0
6	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	4.3	0.0	4.3	0.0	0.0	0.0
8	0.0	0.0	0.0	7.2	0.8	8.0	0.0	0.1	0.1
9	0.0	0.0	0.0	0.4	2.2	2.6	2.7	1.5	4.2
10	0.0	0.0	0.0	0.1	7.7	7.8	5.9	1.5	7.4
11	0.0	0.1	0.1	1.5	1.5	3.0	0.3	0.0	0.3
12	0.0	6.2	6.2	0.7	0.0	0.7	0.0	0.0	0.0
13	0.3	3.0	3.3	4.6	8.6	13.2	0.0	5.5	5.5
14	0.0	2.3	2.3	1.4	0.0	1.4	0.8	2.4	3.2
15	0.9	34.3	35.2	0.0	0.0	0.0	0.7	46.3	47.0
16	0.1	0.0	0.1	0.0	0.0	0.0	0.4	0.0	0.4
17	1.5	7.1	8.6	0.7	0.0	0.7	0.0	0.0	0.0
18	0.8	1.1	1.9	0.0	0.0	0.0	1.5	0.0	1.5
19	11.9	0.0	11.9	0.1	0.0	0.1	0.0	0.0	0.0
20	0.6	28.0	28.6	0.0	0.5	0.5	0.0	0.0	0.0
21	0.3	0.0	0.3	5.1	0.0	5.1	0.0	0.0	0.0
22	37.1	1.5	38.6	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	6.8	9.6	16.4	0.4	0.6	1.0
24	0.6	18.3	18.9	2.3	0.1	2.4	3.2	0.0	3.2
25	3.4	2.3	5.7	1.6	0.0	1.6	0.0	0.0	0.0
26	0.0	6.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
27	16.1	25.2	41.3	0.2	0.0	0.2	1.2	0.0	1.2
28	1.6	7.0	8.6	0.7	48.7	49.4	0.0	0.0	0.0
29	0.0	0.4	0.4	10.8	0.0	10.8	0.0	0.4	0.4
30	8.1	24.0	32.1	0.2	0.0	0.2	0.2	0.0	0.2
31	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
TOTAL	99.4	173.0	272.4	52.5	96.6	149.1	49.5	58.3	107.8

ESTACION: PLANTA DE TRATAMIENTO DPTO: RISARALDA

LATITUD : 04° 48'N

AÑO : 1990

MPIO: PEREIRA

LONGITUD: 75° 40'W  
ALTITUD : 1450 m.

DIA	JULIO			AGOSTO			SEPTIEMBRE		
	PRECIPITACION mm		TOTAL	PRECIPITACION mm		TOTAL	PRECIPITACION mm		TOTAL
	DIA	NOCHE		DIA	NOCHE		DIA	NOCHE	
1	.6	2.0	2.6	0.0	0.0	0.0	0.0	.1	.1
2	0.0	0.0	0.0	1.4	0.0	1.4	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
4	4.2	0.0	4.2	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	0.0	0.0
6	4.1	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0
7	1.8	9.2	11.0	.2	0.0	.2	1.4	0.0	1.4
8	.2	15.4	15.6	0.0	0.0	0.0	5.2	0.0	5.2
9	.8	25.7	26.5	0.0	0.0	0.0	.6	0.0	.6
10	1.3	0.0	1.3	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
12	0.0	21.1	21.1	0.0	0.0	0.0	0.0	.4	.4
13	0.0	0.0	0.0	2.0	0.0	2.0	4.9	2.6	7.5
14	.1	8.3	8.4	.5	0.0	.5	.5	0.0	.5
15	.2	0.0	.2	0.0	0.0	0.0	0.0	0.0	0.0
16	4.1	2.9	7.0	.3	0.0	.3	2.6	0.0	2.6
17	1.8	1.3	3.1	1.9	0.0	1.9	0.0	0.0	0.0
18	0.0	13.3	13.3	0.0	0.0	0.0	0.0	0.0	0.0
19	.1	0.0	.1	.1	0.0	.1	.3	.5	.8
20	2.4	26.0	28.4	0.0	0.0	0.0	3.2	1.3	4.5
21	0.0	5.5	5.5	0.0	0.0	0.0	0.0	36.7	36.7
22	3.3	0.0	3.3	0.0	0.0	0.0	0.0	6.8	6.8
23	1.4	0.0	1.4	0.0	0.0	0.0	3.7	0.0	3.7
24	0.0	0.0	0.0	0.0	0.0	0.0	23.8	0.0	23.8
25	0.0	0.0	0.0	1.2	.8	2.0	5.7	0.0	5.7
26	0.0	0.0	0.0	3.9	0.0	3.9	24.0	4.0	28.0
27	0.0	.4	.4	4.6	.3	4.9	0.0	0.0	0.0
28	0.0	4.3	4.3	17.9	0.0	17.9	0.0	0.0	0.0
29	0.0	0.0	0.0	.9	0.0	.9	.4	0.0	.4
30	0.0	0.0	0.0	7.4	3.5	10.9	.1	10.0	10.1
31	0.0	0.0	0.0	0.0	2.0	2.0			
TOTAL	26.4	135.4	161.8	42.3	6.6	48.9	76.4	62.4	138.8

DIA	OCTUBRE			NOVIEMBRE			DICIEMBRE		
	PRECIPITACION mm		TOTAL	PRECIPITACION mm		TOTAL	PRECIPITACION mm		TOTAL
	DIA	NOCHE		DIA	NOCHE		DIA	NOCHE	
1	2.5	52.8	55.3	.2	0.0	.2	0.0	8.9	8.9
2	2.0	0.0	2.0	1.4	2.7	4.1	16.3	.9	17.2
3	0.0	0.0	0.0	.1	36.2	36.3	0.0	3.2	3.2
4	0.0	3.9	3.9	5.9	0.0	5.9	0.0	44.7	44.7
5	1.6	0.0	1.6	2.6	0.0	2.6	2.8	8.8	11.6
6	.1	3.2	3.3	0.0	0.0	0.0	0.0	0.0	0.0
7	8.8	19.8	28.6	0.0	0.0	0.0	0.0	1.3	1.3
8	3.6	0.0	3.6	3.1	.9	4.0	1.4	0.0	1.4
9	.8	1.3	2.1	0.0	3.1	3.1	0.0	0.0	0.0
10	.1	.8	.9	2.2	0.0	2.2	0.0	0.0	0.0
11	1.6	48.8	50.4	54.8	9.2	64.0	0.0	0.0	0.0
12	.4	3.9	4.3	11.5	0.0	11.5	.3	0.0	.3
13	4.0	0.0	4.0	.4	0.0	.4	0.0	0.0	0.0
14	.2	30.7	30.9	0.0	0.0	0.0	0.0	0.0	0.0
15	12.7	0.0	12.7	0.0	0.0	0.0	0.0	0.0	0.0
16	.1	7.3	7.4	12.5	46.7	59.2	0.0	2.2	2.2
17	0.0	19.6	19.6	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	1.4	1.4	0.0	0.0	0.0	9.3	0.0	9.3
19	0.0	16.0	16.0	0.0	0.0	0.0	.1	0.0	.1
20	.8	.1	.9	0.0	.2	.2	0.0	0.0	0.0
21	0.0	0.0	0.0	20.3	.7	21.0	0.0	0.0	0.0
22	8.0	0.0	8.0	0.0	0.0	0.0	3.5	0.0	3.5
23	2.0	0.0	2.0	0.0	4.2	4.2	0.0	0.0	0.0
24	.8	0.0	.8	0.0	0.0	0.0	5.8	35.4	41.2
25	0.0	20.9	20.9	0.0	0.0	0.0	.8	0.0	.8
26	0.0	0.0	0.0	0.0	0.0	0.0	1.9	9.1	11.0
27	0.0	0.0	0.0	0.0	0.0	0.0	.8	1.0	1.8
28	6.4	0.0	6.4	43.5	0.0	43.5	11.9	0.0	11.9
29	12.1	.8	12.9	1.4	26.6	28.0	3.0	.3	3.3
30	0.0	6.3	6.3	4.8	0.0	4.8	1.4	2.2	3.6
31	.2	.7	.9				0.0	0.0	0.0
TOTAL	68.8	238.3	307.1	164.7	130.5	295.2	59.3	118.0	177.3

ESTACION: JULIAN REY

DPTO: SANTANDER

LATITUD : 07° 20'N

AÑO : 1990

MPIO: RIONEGRO

LONGITUD: 73° 07'W  
ALTITUD : 1240 m.

DIA	ENERO			FEBRERO			MARZO		
	PRECIPITACION mm			PRECIPITACION mm			PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	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	10.1	11.9	22.0	0.0	20.5	20.5
3	.7	.2	.9	18.0	14.6	32.6	0.0	0.0	0.0
4	10.9	1.7	12.6	.4	2.6	3.0	0.0	.2	.2
5	0.0	.9	.9	6.1	0.0	6.1	.3	0.0	.3
6	10.4	0.0	10.4	0.0	.1	.1	.5	3.4	3.9
7	.3	0.0	.3	7.8	.6	8.4	0.0	23.5	23.5
8	.8	0.0	.8	6.0	.1	6.1	0.0	0.0	0.0
9	1.3	0.0	1.3	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	3.7	.1	3.8
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	8.6	8.6	.2	1.2	1.4	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	.3	0.0	.3
14	0.0	0.0	0.0	0.0	0.0	0.0	.1	0.0	.1
15	2.1	0.0	2.1	0.0	0.0	0.0	29.6	12.0	41.6
16	0.0	0.0	0.0	0.0	0.0	0.0	8.7	.1	8.8
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	.5	.5	0.0	2.8	2.8	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	.3	.3	0.0	7.1	7.1
21	.3	0.0	.3	.1	10.8	10.9	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	9.8	9.8	1.0	0.0	1.0
23	0.0	0.0	0.0	.6	1.2	1.8	26.9	3.7	30.6
24	0.0	0.0	0.0	0.0	0.0	0.0	.4	0.0	.4
25	0.0	.2	.2	0.0	.2	.2	0.0	3.9	3.9
26	26.1	0.0	26.1	0.0	0.0	0.0	26.4	.2	26.6
27	0.0	0.0	0.0	0.0	0.0	0.0	.1	0.0	.1
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0				0.0	.7	.7
30	0.0	10.7	10.7				0.0	.1	.1
31	0.0	0.0	0.0				0.0	0.0	0.0
TOTAL	52.9	22.8	75.7	49.3	56.2	105.5	98.0	79.1	177.1

DIA	ABRIL			MAYO			JUNIO		
	PRECIPITACION mm			PRECIPITACION mm			PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	12.0	17.1	29.1	11.4	.7	12.1	.7	0.0	.7
2	6.3	.4	6.7	0.0	0.0	0.0	0.0	0.0	0.0
3	35.2	.7	35.9	.9	0.0	.9	0.0	0.0	0.0
4	.1	4.5	4.6	1.4	30.3	31.7	11.9	.1	12.0
5	0.0	0.0	0.0	6.0	20.7	26.7	0.0	0.0	0.0
6	0.0	0.0	0.0	6.8	.2	7.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	.1	0.0	.1
8	.7	0.0	.7	26.4	0.0	26.4	0.0	0.0	0.0
9	.2	0.0	.2	0.0	0.0	0.0	.2	1.3	1.5
10	.2	0.0	.2	1.4	0.0	1.4	.1	0.0	.1
11	0.0	.9	.9	4.6	0.0	4.6	4.2	.1	4.3
12	.7	0.0	.7	0.0	0.0	0.0	0.0	0.0	0.0
13	1.3	1.9	3.2	3.9	3.6	7.5	0.0	6.3	6.3
14	9.1	1.3	10.4	2.4	5.4	7.8	0.0	0.0	0.0
15	1.8	0.0	1.8	1.5	0.0	1.5	.9	2.2	3.1
16	0.0	0.0	0.0	22.9	0.0	22.9	4.4	0.0	4.4
17	0.0	1.3	1.3	0.0	0.0	0.0	.8	0.0	.8
18	.1	0.0	.1	.4	0.0	.4	.1	0.0	.1
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	5.4	3.9	9.3	0.0	0.0	0.0	0.0	0.0	0.0
21	3.1	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	2.8	0.0	2.8	.1	0.0	.1
23	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	2.0	0.0	2.0	0.0	0.0	0.0
25	15.0	3.4	18.4	3.0	0.0	3.0	0.0	0.0	0.0
26	0.0	0.0	0.0	7.1	.3	7.4	0.0	0.0	0.0
27	0.0	29.5	29.5	2.0	0.0	2.0	0.0	0.0	0.0
28	2.3	.5	2.8	0.0	2.6	2.6	0.0	0.0	0.0
29	6.6	0.0	6.6	2.6	0.0	2.6	0.0	0.0	0.0
30	14.0	0.0	14.0	0.0	0.0	0.0	0.0	1.3	1.3
31				14.7	0.0	14.7			
TOTAL	114.1	65.4	179.5	124.2	63.8	188.0	23.5	11.3	34.8

ESTACION: JULIAN REY

DPTO: SANTANDER

LATITUD : 07° 20'N

ANO : 1990

MPIO: RIONEGRO

LONGITUD: 73° 07'W  
ALTITUD : 1240 m.

DIA	JULIO			AGOSTO			SEPTIEMBRE		
	PRECIPITACION mm			PRECIPITACION mm			PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	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	1.9	.3	2.2	5.0	0.0	5.0
3	0.0	0.0	0.0	.4	0.0	.4	.6	0.0	.6
4	1.8	.1	1.9	3.3	0.0	3.3	0.0	0.0	0.0
5	26.7	3.8	30.5	0.0	0.0	0.0	0.0	0.0	0.0
6	3.9	0.0	3.9	.1	2.6	2.7	0.0	0.0	0.0
7	4.9	0.0	4.9	18.8	.2	19.0	.5	0.0	.5
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	.6	0.0	.6	1.1	.6	1.7
10	2.5	.1	2.6	38.9	0.0	38.9	.1	0.0	.1
11	0.0	0.0	0.0	0.0	0.0	0.0	.2	0.0	.2
12	0.0	0.0	0.0	0.0	4.7	4.7	0.0	0.0	0.0
13	0.0	0.0	0.0	11.0	.1	11.1	2.4	0.0	2.4
14	.2	0.0	.2	0.0	0.0	0.0	0.0	0.0	0.0
15	3.0	0.0	3.0	.7	0.0	.7	0.0	0.0	0.0
16	1.2	0.0	1.2	.1	0.0	.1	.7	.5	1.2
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	.1	0.0	.1	0.0	0.0	0.0	.7	0.0	.7
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	4.9	1.1	6.0
22	.3	0.0	.3	0.0	0.0	0.0	.4	19.3	19.7
23	10.0	1.4	11.4	6.2	0.0	6.2	0.0	0.0	0.0
24	0.0	0.0	0.0	3.2	0.0	3.2	8.6	0.0	8.6
25	.2	0.0	.2	1.5	0.0	1.5	5.0	3.3	8.3
26	2.1	0.0	2.1	1.2	.1	1.3	0.0	0.0	0.0
27	1.3	2.6	3.9	.2	2.3	2.5	.4	0.0	.4
28	.2	0.0	.2	42.3	5.2	47.5	0.0	0.0	0.0
29	2.7	0.0	2.7	2.6	1.7	4.3	0.0	0.0	0.0
30	.3	0.0	.3	0.0	0.0	0.0	3.1	0.0	3.1
31	.2	0.0	.2	0.0	0.0	0.0			
TOTAL	61.6	8.0	69.6	133.0	17.2	150.2	33.7	24.8	58.5

DIA	OCTUBRE			NOVIEMBRE			DICIEMBRE		
	PRECIPITACION mm			PRECIPITACION mm			PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	0.0	.2	.2	.8	0.0	.8	0.0	0.0	0.0
2	1.9	1.7	3.6	.4	0.0	.4	2.0	4.6	6.6
3	.5	0.0	.5	.3	1.1	1.4	0.0	0.0	0.0
4	0.0	0.0	0.0	22.4	8.6	31.0	2.1	.2	2.3
5	0.0	0.0	0.0	3.2	.8	4.0	23.2	.8	24.0
6	.1	17.6	17.7	4.7	0.0	4.7	0.0	0.0	0.0
7	3.5	0.0	3.5	0.0	.2	.2	0.0	16.9	16.9
8	5.8	0.0	5.8	0.0	.1	.1	1.1	6.1	7.2
9	.8	28.2	29.0	1.6	0.0	1.6	0.0	0.0	0.0
10	0.0	.1	.1	1.4	0.0	1.4	2.3	0.0	2.3
11	1.9	2.5	4.4	.7	0.0	.7	0.0	0.0	0.0
12	.8	0.0	.8	.1	0.0	.1	0.0	0.0	0.0
13	.2	0.0	.2	.3	0.0	.3	0.0	0.0	0.0
14	4.2	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0
15	.6	0.0	.6	15.3	0.0	15.3	0.0	0.0	0.0
16	0.0	0.0	0.0	2.8	.2	3.0	0.0	0.0	0.0
17	.3	1.2	1.5	.5	1.2	1.7	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	17.4	17.4	0.0	0.0	0.0
19	14.5	0.0	14.5	0.0	0.0	0.0	0.0	0.0	0.0
20	.7	1.3	2.0	1.6	0.0	1.6	0.0	0.0	0.0
21	.3	.4	.7	19.0	0.0	19.0	0.0	0.0	0.0
22	0.0	0.0	0.0	8.5	0.0	8.5	0.0	0.0	0.0
23	.3	5.0	5.3	.4	.6	1.0	0.0	0.0	0.0
24	6.2	0.0	6.2	9.2	2.6	11.8	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	2.8	2.8	0.0	0.0	0.0	.4	.2	.6
28	0.0	1.6	1.6	0.0	0.0	0.0	7.3	0.0	7.3
29	.2	8.1	8.3	4.0	0.0	4.0	.5	0.0	.5
30	.7	.7	1.4	0.0	0.0	0.0	3.1	.2	3.3
31	8.2	19.8	28.0				0.0	.2	.2
TOTAL	51.7	95.2	146.9	97.2	45.8	143.0	42.0	29.2	71.2



ESTACION: SANTIAGO GUTIERREZ

DPTO: VALLE

LATITUD : 04° 43'N

ANO : 1990

MPIO: ARGELIA

LONGITUD: 76° 07'W  
ALTITUD : 1550 m.

DIA	ENERO			FEBRERO			MARZO		
	PRECIPITACION mm			PRECIPITACION mm			PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	10.9	10.9	0.0	.9	.9	0.0	0.0	0.0
3	.3	.1	.4	0.0	0.0	0.0	9.6	0.0	9.6
4	2.6	8.5	11.1	0.0	4.6	4.6	0.0	0.0	0.0
5	.5	10.1	10.6	9.9	14.8	24.7	0.0	0.0	0.0
6	6.4	.8	7.2	0.0	0.0	0.0	0.0	.3	.3
7	0.0	23.9	23.9	0.0	0.0	0.0	0.0	0.0	0.0
8	3.9	.1	4.0	0.0	3.7	3.7	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	.2	.2	1.1	0.0	1.1
10	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	1.7
11	.1	0.0	.1	0.0	0.0	0.0	0.0	0.0	0.0
12	8.8	.2	9.0	.4	0.0	.4	0.0	.2	.2
13	0.0	4.9	4.9	1.0	0.0	1.0	0.0	0.0	0.0
14	0.0	.1	.1	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	5.0	5.0
16	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	2.7
17	0.0	2.4	2.4	0.0	0.0	0.0	0.0	13.7	13.7
18	0.0	0.0	0.0	0.0	.7	.7	.7	1.1	1.8
19	0.0	0.0	0.0	5.2	0.0	5.2	0.0	.5	.5
20	0.0	0.0	0.0	15.7	0.0	15.7	0.0	1.2	1.2
21	0.0	15.5	15.5	0.0	0.0	0.0	2.2	0.0	2.2
22	1.3	0.0	1.3	.2	0.0	.2	0.0	4.6	4.6
23	0.0	0.0	0.0	0.0	0.0	0.0	3.9	1.0	4.9
24	0.0	0.0	0.0	3.3	1.2	4.5	2.8	.5	3.3
25	0.0	.2	.2	.1	.2	.3	0.0	.2	.2
26	1.8	.8	2.6	1.9	1.8	3.7	8.7	4.1	12.8
27	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	0.0	0.0	0.0	0.0	0.0
29	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
31	0.0	0.0	0.0				0.0	4.1	4.1
TOTAL	25.7	78.5	104.2	37.7	28.1	65.8	33.4	36.5	69.9

DIA	ABRIL			MAYO			JUNIO		
	PRECIPITACION mm			PRECIPITACION mm			PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	2.6	0.0	2.6	9.1	.1	9.2	14.9	0.0	14.9
2	2.5	0.0	2.5	1.1	.3	1.4	0.0	0.0	0.0
3	0.0	0.0	0.0	.6	4.5	5.1	0.0	0.0	0.0
4	2.6	3.7	6.3	3.3	0.0	3.3	1.5	0.0	1.5
5	0.0	0.0	0.0	0.0	7.2	7.2	0.0	0.0	0.0
6	4.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	2.4	0.0	2.4	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	.2	.2	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	.6	.6	0.0	3.1	3.1
10	0.0	3.9	3.9	0.0	2.3	2.3	2.5	1.0	3.5
11	1.5	6.9	8.4	.8	.8	1.6	0.0	0.0	0.0
12	0.0	0.0	0.0	1.1	0.0	1.1	0.0	0.0	0.0
13	3.6	.1	3.7	24.5	2.6	27.1	1.3	.3	1.6
14	0.0	0.0	0.0	2.4	0.0	2.4	1.5	0.0	1.5
15	13.7	3.7	17.4	0.0	0.0	0.0	0.0	2.1	2.1
16	.1	0.0	.1	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	1.4	1.4	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	1.9	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	5.9	5.9	0.0	4.6	4.6	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	.5	.5	0.0	0.0	0.0
22	1.2	15.9	17.1	0.0	0.0	0.0	.3	0.0	.3
23	3.3	0.0	3.3	5.1	1.2	6.3	.9	0.0	.9
24	.8	0.0	.8	8.2	0.0	8.2	1.9	.2	2.1
25	16.8	.2	17.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
27	18.4	1.3	19.7	.8	0.0	.8	0.0	0.0	0.0
28	0.0	4.2	4.2	.3	7.2	7.5	0.0	0.0	0.0
29	0.0	0.0	0.0	21.2	0.0	21.2	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
31				1.1	0.0	1.1			
TOTAL	73.0	49.2	122.2	82.0	32.1	114.1	24.8	8.6	33.4

ESTACION: SANTIAGO GUTIERREZ

DPTO: VALLE

LATITUD : 04° 43'N

ANO : 1990

MPIO: ARGELIA

LONGITUD: 76° 07'W  
ALTITUD : 1550 m.

DIA	JULIO			AGOSTO			SEPTIEMBRE		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	1.1	0.0	1.1	0.0	0.0	0.0	2.1	2.3	4.4
2	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	3.5
3	0.0	.1	.1	0.0	0.0	0.0	0.0	0.0	0.0
4	3.4	.1	3.5	0.0	0.0	0.0	.1	0.0	.1
5	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	.1	0.0	.1
7	0.0	2.1	2.1	2.2	0.0	2.2	0.0	0.0	0.0
8	.4	4.7	5.1	.2	0.0	.2	.4	0.0	.4
9	0.0	7.6	7.6	0.0	0.0	0.0	0.0	18.4	18.4
10	.6	0.0	.6	0.0	0.0	0.0	2.8	9.6	12.4
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
12	0.0	.3	.3	3.4	0.0	3.4	0.0	0.0	0.0
13	0.0	0.0	0.0	1.4	0.0	1.4	0.0	.3	.3
14	.1	0.0	.1	1.4	0.0	1.4	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	.5	.5	0.0	0.0	0.0	.3	0.0	.3
17	12.9	0.0	12.9	0.0	0.0	0.0	3.0	0.0	3.0
18	.4	7.3	7.7	0.0	0.0	0.0	0.0	.4	.4
19	.3	0.0	.3	0.0	.3	.3	0.0	17.1	17.1
20	0.0	8.2	8.2	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	3.1	3.1	0.0	0.0	0.0	0.0	2.8	2.8
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	15.4	0.0	15.4	0.0	0.0	0.0	1.7	.2	1.9
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	11.7	11.7	2.8	.3	3.1
26	0.0	0.0	0.0	1.3	0.0	1.3	1.4	1.2	2.6
27	0.0	0.0	0.0	0.0	.8	.8	.7	0.0	.7
28	0.0	0.0	0.0	14.6	0.0	14.6	7.0	0.0	7.0
29	0.0	0.0	0.0	0.0	.3	.3	0.0	0.0	0.0
30	0.0	0.0	0.0	1.9	1.4	3.3	1.8	2.7	4.5
31	0.0	0.0	0.0	0.0	8.1	8.1			
TOTAL	34.6	34.0	68.6	26.4	22.6	49.0	27.7	57.0	84.7

DIA	OCTUBRE			NOVIEMBRE			DICIEMBRE		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	5.3	15.2	20.5	0.0	4.5	4.5	0.0	6.3	6.3
2	6.8	0.0	6.8	1.3	0.0	1.3	2.6	.2	2.8
3	0.0	0.0	0.0	.6	18.2	18.8	3.1	1.8	4.9
4	0.0	6.2	6.2	3.1	0.0	3.1	0.0	40.0	40.0
5	3.2	0.0	3.2	11.6	0.0	11.6	12.0	1.8	13.8
6	0.0	.1	.1	0.0	.1	.1	32.1	0.0	32.1
7	12.5	5.8	18.3	0.0	0.0	0.0	0.0	0.0	0.0
8	.5	0.0	.5	0.0	5.2	5.2	.5	0.0	.5
9	25.6	.6	26.2	0.0	0.0	0.0	0.0	0.0	0.0
10	6.9	0.0	6.9	0.0	.2	.2	0.0	0.0	0.0
11	5.6	8.6	14.2	0.0	0.0	0.0	.1	0.0	.1
12	3.4	.8	4.2	0.0	0.0	0.0	0.0	0.0	0.0
13	.2	.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0
14	2.5	.7	3.2	0.0	.2	.2	0.0	0.0	0.0
15	.4	0.0	.4	0.0	.9	.9	0.0	0.0	0.0
16	0.0	13.4	13.4	0.0	10.5	10.5	0.0	0.0	0.0
17	.4	0.0	.4	0.0	4.4	4.4	0.0	0.0	0.0
18	0.0	8.9	8.9	1.0	0.0	1.0	0.0	0.0	0.0
19	2.7	4.0	6.7	0.0	1.4	1.4	0.0	0.0	0.0
20	.7	0.0	.7	.1	0.0	.1	0.0	.1	.1
21	.1	20.3	20.4	10.0	0.0	10.0	0.0	.1	.1
22	1.2	.3	1.5	.2	.3	.5	.6	0.0	.6
23	0.0	1.1	1.1	5.4	8.0	13.4	0.0	.4	.4
24	2.7	0.0	2.7	.8	0.0	.8	0.0	0.0	0.0
25	0.0	.9	.9	0.0	.1	.1	0.0	0.0	0.0
26	0.0	.1	.1	10.2	0.0	10.2	0.0	1.3	1.3
27	.2	0.0	.2	0.0	1.5	1.5	0.0	0.0	0.0
28	0.0	11.1	11.1	.2	0.0	.2	22.6	.3	22.9
29	1.1	0.0	1.1	0.0	.1	.1	.1	0.0	.1
30	2.4	.6	3.0	0.0	.4	.4	0.0	1.9	1.9
31	36.7	.6	37.3				17.6	0.0	17.6
TOTAL	121.1	100.2	221.3	44.5	56.0	100.5	91.3	54.2	145.5

ESTACION: EL RECREO

DPTO: VALLE

LATITUD : 04° 42'N

LONGITUD: 75° 44'W

AÑO : 1990

MPIO: ULLOA

ALTITUD : 1410 m.

DIA	ENERO			FEBRERO			MARZO		
	PRECIPITACION mm			PRECIPITACION mm			PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	0.0	10.9	10.9	0.0	0.0	0.0	.1	.3	.4
2	0.0	.7	.7	0.0	0.0	0.0	.1	0.0	.1
3	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	1.7
4	.5	0.0	.5	1.0	24.6	25.6	0.0	0.0	0.0
5	0.0	1.8	1.8	4.6	7.8	12.4	.6	0.0	.6
6	3.2	15.8	19.0	0.0	0.0	0.0	0.0	29.9	29.9
7	0.0	6.7	6.7	0.0	0.0	0.0	0.0	0.0	0.0
8	3.5	0.0	3.5	4.3	22.6	26.9	0.0	0.0	0.0
9	0.0	11.4	11.4	.4	.2	.6	0.0	0.0	0.0
10	0.0	0.0	0.0	3.4	4.7	8.1	0.0	0.0	0.0
11	.8	0.0	.8	0.0	4.0	4.0	0.0	0.0	0.0
12	8.3	.2	8.5	2.2	.4	2.6	0.0	0.0	0.0
13	.9	2.9	3.8	1.8	0.0	1.8	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	9.3	9.3	0.0	1.9	1.9
15	0.0	0.0	0.0	1.0	0.0	1.0	0.0	4.2	4.2
16	0.0	1.6	1.6	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	17.5	18.6	34.1
18	.2	0.0	.2	1.1	4.7	5.8	.6	0.0	.6
19	.4	0.0	.4	2.5	0.0	2.5	0.0	0.0	0.0
20	.6	0.0	.6	8.3	0.0	8.3	2.9	0.0	2.9
21	0.0	.4	.4	0.0	0.0	0.0	6.6	0.0	6.6
22	0.0	0.0	0.0	21.9	0.0	21.9	0.0	.9	.9
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9
24	0.0	0.0	0.0	0.0	18.4	18.4	.7	2.7	3.4
25	0.0	0.0	0.0	0.0	.1	.1	2.7	1.5	4.2
26	1.1	.1	1.2	0.0	.1	.1	5.2	9.8	15.0
27	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	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0
31	0.0	0.0	0.0	0.0	0.0	0.0	18.3	1.5	19.8
TOTAL	19.5	52.5	72.0	52.5	96.9	149.4	57.0	76.2	133.2

DIA	ABRIL			MAYO			JUNIO		
	PRECIPITACION mm			PRECIPITACION mm			PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	0.0	0.0	0.0	.6	0.0	.6	8.5	0.0	8.5
2	0.0	.1	.1	0.0	.3	.3	0.0	0.0	0.0
3	0.0	0.0	0.0	23.2	1.9	25.1	0.0	0.0	0.0
4	3.6	7.0	10.6	13.7	.9	14.6	14.4	0.0	14.4
5	0.0	0.0	0.0	2.1	22.6	24.7	0.0	0.0	0.0
6	37.3	0.0	37.3	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	4.0	0.0	4.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.1	.1
9	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.6	7.3
10	16.6	.1	16.7	.1	1.4	1.5	7.3	2.0	9.3
11	0.0	.3	.3	1.0	0.0	1.0	0.0	0.0	0.0
12	.4	0.0	.4	.3	.1	.4	0.0	0.0	0.0
13	1.4	0.0	1.4	3.5	11.9	15.4	0.0	2.5	2.5
14	0.0	.5	.5	5.2	0.0	5.2	8.2	.1	8.3
15	1.1	9.2	9.3	0.0	0.0	0.0	7.9	12.8	20.7
16	1.2	0.0	1.2	2.0	0.0	2.0	0.0	0.0	0.0
17	4.5	.3	4.8	.1	0.0	.1	0.0	0.0	0.0
18	0.0	0.0	0.0	3.2	0.0	3.2	1.1	0.0	1.1
19	23.9	0.0	23.9	0.0	0.0	0.0	1.9	0.0	1.9
20	.5	11.1	11.6	3.5	0.0	3.5	0.0	0.0	0.0
21	.1	0.0	.1	0.0	0.0	0.0	0.0	0.0	0.0
22	9.9	29.4	39.3	0.0	0.0	0.0	15.5	0.0	15.5
23	0.0	0.0	0.0	.7	0.0	.7	.8	.3	1.1
24	1.9	.2	2.1	13.6	0.0	13.6	2.8	0.0	2.8
25	14.2	.5	14.7	1.0	0.0	1.0	2.3	0.0	2.3
26	0.0	17.6	17.6	1.6	0.0	1.6	0.0	0.0	0.0
27	4.0	5.9	9.9	8.3	0.0	8.3	0.0	0.0	0.0
28	0.0	9.1	9.1	3.7	11.2	14.9	0.0	0.0	0.0
29	.1	0.0	.1	4.3	0.0	4.3	0.0	0.0	0.0
30	2.5	7.5	10.0	0.0	0.0	0.0	0.0	0.0	0.0
31				2.3	.1	2.4			
TOTAL	122.2	98.8	221.0	98.0	50.4	148.4	74.4	21.4	95.8

ESTACION: EL RECREO

DPTO: VALLE

LATITUD : 04° 42'N

AÑO : 1990

MPIO: ULLOA

LONGITUD : 75° 44'W  
ALTITUD : 1410 m.

DIA	JULIO			AGOSTO			SEPTIEMBRE		
	PRECIPITACION mm			PRECIPITACION mm			PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	17.9	0.0	17.9	0.0	0.0	0.0	0.0	.1	.1
2	.4	0.0	.4	0.0	0.0	0.0	3.5	.4	3.9
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	1.1	0.0	1.1	0.0	0.0	0.0	18.2	0.0	18.2
5	2.5	0.0	2.5	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	.3	0.0	.3
7	0.0	.8	.8	0.0	0.0	0.0	.1	0.0	.1
8	0.0	10.2	10.2	0.0	0.0	0.0	.2	0.0	.2
9	0.0	11.9	11.9	0.0	0.0	0.0	0.0	0.0	0.0
10	.8	0.0	.8	0.0	0.0	0.0	.1	.6	.7
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	.5	0.0	.5	0.0	0.0	0.0	0.0	.1	.1
13	.4	0.0	.4	0.0	0.0	0.0	.9	1.5	2.4
14	0.0	0.0	0.0	20.0	0.0	20.0	0.0	0.0	0.0
15	2.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
16	1.4	7.1	8.5	0.0	0.0	0.0	4.6	0.0	4.6
17	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
18	.1	19.2	19.3	0.0	0.0	0.0	.6	0.0	.6
19	0.0	0.0	0.0	0.0	0.0	0.0	3.4	10.6	14.0
20	.2	4.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	2.5	2.5	0.0	0.0	0.0	14.6	26.7	41.3
22	.1	0.0	.1	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	9.3	0.0	9.3
24	2.9	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	.3	0.0	.3	.1	0.0	.1
26	.8	0.0	.8	1.5	0.0	1.5	1.9	1.7	3.6
27	0.0	0.0	0.0	0.0	7.2	7.2	3.4	0.0	3.4
28	0.0	0.0	0.0	2.1	0.0	2.1	0.0	0.0	0.0
29	0.0	0.0	0.0	1.0	0.0	1.0	0.0	3.4	3.4
30	0.0	0.0	0.0	.4	.7	1.1	2.5	25.7	28.2
31	0.0	0.0	0.0	0.0	0.0	0.0			
TOTAL	31.1	57.7	88.8	25.3	7.9	33.2	63.7	70.8	134.5

DIA	OCTUBRE			NOVIEMBRE			DICIEMBRE		
	PRECIPITACION mm			PRECIPITACION mm			PRECIPITACION mm		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	.4	40.1	40.5	0.0	.6	.6	0.0	.3	.3
2	8.6	0.0	8.6	0.0	2.4	2.4	54.5	.1	54.6
3	1.0	0.0	1.0	0.0	28.7	28.7	0.0	6.9	6.9
4	0.0	26.0	26.0	2.5	0.0	2.5	.4	36.0	36.4
5	2.8	0.0	2.8	2.3	0.0	2.3	9.7	12.5	22.2
6	15.8	.4	16.2	0.0	0.0	0.0	0.0	0.0	0.0
7	8.2	1.4	9.6	0.0	0.0	0.0	.4	0.0	.4
8	.3	0.0	.3	24.4	0.0	24.4	5.2	.4	5.6
9	1.4	.8	2.2	.5	0.0	.5	0.0	0.0	0.0
10	0.0	0.0	0.0	9.8	0.0	9.8	0.0	0.0	0.0
11	2.5	7.3	9.8	0.0	0.0	0.0	0.0	0.0	0.0
12	.4	3.4	3.8	.9	0.0	.9	0.0	0.0	0.0
13	1.3	.9	2.2	1.1	0.0	1.1	0.0	0.0	0.0
14	0.0	5.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0
15	5.8	0.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	8.1	8.1	0.0	26.0	26.0	0.0	0.0	0.0
17	8.0	3.5	11.5	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	75.0	75.0	0.0	0.0	0.0	2.8	0.0	2.8
19	0.0	16.7	16.7	0.0	0.0	0.0	0.0	0.0	0.0
20	1.0	1.5	2.5	0.0	.1	.1	6.3	0.0	6.3
21	0.0	1.1	1.1	9.2	0.0	9.2	0.0	0.0	0.0
22	11.5	.1	11.6	0.0	0.0	0.0	0.0	0.0	0.0
23	.4	0.0	.4	0.0	.6	.6	0.0	3.9	3.9
24	.6	0.0	.6	0.0	0.0	0.0	.3	12.9	13.2
25	0.0	22.9	22.9	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	.5	.5
27	0.0	22.3	22.3	0.0	0.0	0.0	0.0	0.0	0.0
28	6.4	0.0	6.4	.1	0.0	.1	7.7	0.0	7.7
29	4.5	0.0	4.5	10.9	10.6	21.5	4.1	0.0	4.1
30	0.0	4.3	4.3	0.0	0.0	0.0	0.0	10.0	10.0
31	0.0	13.0	13.0				0.0	0.0	0.0
TOTAL	80.9	254.1	335.0	61.7	69.0	130.7	91.4	83.5	174.9

ESTACION: EL BERRION

DPTO: VALLE

LATITUD : 04° 41'N

AÑO : 1990

MPIO: CARTAGO

LONGITUD: 75° 51'W

ALTITUD : 1150 m.

DIA	ENERO			FEBRERO			MARZO		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	0.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	10.0	10.0	0.0	0.0	0.0	0.0	3.6	3.6
3	0.0	0.0	0.0	0.0	0.0	0.0	.4	0.0	.4
4	0.0	2.0	2.0	0.0	5.1	5.1	0.0	0.0	0.0
5	0.0	1.0	1.0	3.5	5.4	8.9	0.0	0.0	0.0
6	0.0	12.0	12.0	0.0	0.0	0.0	0.0	2.6	2.6
7	0.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	7.1	38.8	45.9	0.0	0.0	0.0
9	0.0	11.0	11.0	.5	0.0	.5	0.0	0.0	0.0
10	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	4.7	4.7	0.0	0.0	0.0
12	0.0	25.0	25.0	2.3	1.9	4.2	0.0	0.0	0.0
13	0.0	0.0	0.0	1.0	.1	1.1	0.0	0.0	0.0
14	0.0	0.0	0.0	.4	1.1	1.5	0.0	0.0	0.0
15	0.0	0.0	0.0	.1	0.0	.1	0.0	21.5	21.5
16	0.0	0.0	0.0	0.0	0.0	0.0	.8	0.0	.8
17	0.0	0.0	0.0	0.0	0.0	0.0	6.0	14.1	20.1
18	0.0	0.0	0.0	.2	.8	1.0	.8	.1	.9
19	0.0	0.0	0.0	.1	0.0	.1	0.0	0.0	0.0
20	0.0	0.0	0.0	.3	0.0	.3	.7	0.0	.7
21	0.0	0.0	0.0	.1	0.0	.1	2.1	0.0	2.1
22	0.0	0.0	0.0	.5	0.0	.5	0.0	16.7	16.7
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
24	0.0	0.0	0.0	6.1	1.2	7.3	2.8	.2	3.0
25	0.0	0.0	0.0	0.0	.2	.2	.1	1.8	1.9
26	0.0	0.0	0.0	0.0	0.0	0.0	4.9	12.2	17.1
27	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	.6	.6	0.0	0.0	0.0
29	0.0	0.0	0.0				0.0	0.0	0.0
30	0.0	0.0	0.0				0.0	6.5	6.5
31	0.0	0.0	0.0				9.0	9.4	18.4
TOTAL	0.0	116.0	116.0	22.2	59.9	82.1	27.6	91.8	119.4

DIA	ABRIL			MAYO			JUNIO		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	0.0	0.0	0.0	.1	0.0	.1	10.5	0.0	10.5
2	0.0	5.1	5.1	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
4	.1	8.1	8.2	0.0	5.9	5.9	4.1	0.0	4.1
5	0.0	0.0	0.0	2.6	3.5	6.1	0.0	0.0	0.0
6	7.7	0.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	.3	0.0	.3	0.0	0.0	0.0
8	.2	0.0	.2	0.0	0.0	0.0	0.0	0.0	0.0
9	8.2	0.0	8.2	0.0	0.0	0.0	2.6	2.0	4.6
10	1.1	.1	1.2	0.0	0.0	0.0	1.7	1.4	3.1
11	0.0	.5	.5	0.0	0.0	0.0	0.0	0.0	0.0
12	1.3	0.0	1.3	0.0	.2	.2	0.0	0.0	0.0
13	6.8	0.0	6.8	.1	19.5	19.6	0.0	7.2	7.2
14	0.0	1.4	1.4	1.9	0.0	1.9	0.0	2.6	2.6
15	3.1	20.3	23.4	0.0	0.0	0.0	2.7	8.8	11.5
16	.6	0.0	.6	0.0	0.0	0.0	0.0	2.5	2.5
17	0.0	1.8	1.8	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	6.7	0.0	6.7
19	.1	0.0	.1	0.0	0.0	0.0	0.0	0.0	0.0
20	.4	30.7	31.1	1.0	0.0	1.0	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
22	19.0	6.4	25.4	7.2	0.0	7.2	.5	0.0	.5
23	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	1.4	0.0	1.4	.8	0.0	.8
25	48.3	.6	48.9	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	4.9	4.9	1.1	0.0	1.1	0.0	0.0	0.0
27	24.7	6.0	30.7	7.3	0.0	7.3	0.0	0.0	0.0
28	0.0	9.1	9.1	.3	25.4	25.7	0.0	0.0	0.0
29	0.0	0.0	0.0	11.7	0.0	11.7	0.0	0.0	0.0
30	0.0	5.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0
31				3.2	0.0	3.2			
TOTAL	121.6	100.3	221.9	38.2	54.5	92.7	29.6	24.5	54.1

ESTACION: EL BERRION

DPTO: VALLE

LATITUD : 04° 41'N

ANO : 1990

MPIO: CARTAGO

LONGITUD : 75° 51'W

ALTTITUD : 1150 m.

DIA	JULIO			AGOSTO			SEPTIEMBRE		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	17.8
2	0.0	2.0	2.0	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
4	0.0	12.0	12.0	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	0.0	0.0
6	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	1.0	1.0	0.0	0.0	0.0	.2	0.0	.2
8	0.0	0.0	0.0	0.0	.3	.3	0.0	0.0	0.0
9	0.0	15.0	15.0	0.0	0.0	0.0	.1	0.0	.1
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
11	0.0	3.0	3.0	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	.1	0.0	.1
13	0.0	0.0	0.0	0.0	0.0	0.0	36.0	1.4	37.4
14	0.0	2.0	2.0	21.2	0.0	21.2	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	1.0	1.0	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	1.2	0.0	1.2
18	2.0	9.3	11.3	0.0	0.0	0.0	0.0	0.0	0.0
19	.6	0.0	.6	0.0	0.0	0.0	3.6	7.8	11.4
20	0.0	5.8	5.8	0.0	0.0	0.0	0.0	0.0	0.0
21	.2	25.2	25.4	0.0	0.0	0.0	17.0	48.1	65.1
22	0.0	0.0	0.0	0.0	0.0	0.0	.4	0.0	.4
23	0.0	0.0	0.0	0.0	0.0	0.0	.3	0.0	.3
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	.9	6.0	6.9	0.0	0.0	0.0
26	0.0	0.0	0.0	.2	0.0	.2	4.8	5.0	9.8
27	12.1	0.0	12.1	.8	.5	1.3	.2	0.0	.2
28	0.0	0.0	0.0	.2	0.0	.2	0.0	0.0	0.0
29	2.9	0.0	2.9	.6	0.0	.6	.4	5.1	5.5
30	0.0	0.0	0.0	0.0	.4	.4	0.0	4.1	4.1
31	0.0	0.0	0.0	0.0	0.0	0.0			
TOTAL	17.8	78.3	96.1	23.9	7.2	31.1	64.3	90.4	154.7

DIA	OCTUBRE			NOVIEMBRE			DICIEMBRE		
	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL	DIA	NOCHE	TOTAL
1	0.0	19.6	19.6	0.0	1.2	1.2	0.0	1.9	1.9
2	1.5	.5	2.0	0.0	0.0	0.0	3.5	.1	3.6
3	0.0	0.0	0.0	.3	2.8	3.1	0.0	.4	.4
4	6.2	3.7	9.9	4.9	0.0	4.9	0.0	37.8	37.8
5	2.4	0.0	2.4	9.5	0.0	9.5	.6	9.8	10.4
6	0.0	0.0	0.0	0.0	5.6	5.6	0.0	0.0	0.0
7	4.4	16.3	20.7	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	.9	.1	1.0	6.6	.2	6.8
9	3.9	26.1	30.0	.2	6.0	6.2	0.0	0.0	0.0
10	2.2	.1	2.3	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	22.0	22.0	0.0	0.0	0.0	.2	.2	.4
12	.1	.8	.9	0.0	0.0	0.0	0.0	0.0	0.0
13	.3	28.4	28.7	0.0	0.0	0.0	0.0	0.0	0.0
14	3.6	.5	4.1	0.0	0.0	0.0	0.0	0.0	0.0
15	1.5	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	.8	.8	0.0	50.7	50.7	0.0	0.0	0.0
17	5.4	.7	6.1	0.0	0.0	0.0	3.2	0.0	3.2
18	.1	11.7	11.8	0.0	0.0	0.0	1.2	0.0	1.2
19	0.0	22.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	.8	.8	0.0	5.1	5.1	.1	0.0	.1
21	.1	.5	.6	2.9	0.0	2.9	0.0	0.0	0.0
22	22.4	1.5	23.9	0.0	0.0	0.0	0.0	0.0	0.0
23	1.5	0.0	1.5	0.0	.8	.8	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	.2	.4	.6
25	0.0	42.4	42.4	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	.1	.3	.4
27	0.0	40.7	40.7	0.0	0.0	0.0	0.0	6.1	6.1
28	0.0	0.0	0.0	.8	0.0	.8	.7	.2	.9
29	9.7	0.0	9.7	15.1	6.1	21.2	.9	0.0	.9
30	0.0	.3	.3	0.0	0.0	0.0	0.0	11.2	11.2
31	.3	14.8	15.1				0.0	0.0	0.0
TOTAL	65.6	254.2	319.8	34.6	78.4	113.0	17.3	68.6	85.9

PUESTO: BARILOCHE  
 AÑO : 1990

DPTO: ANTIOQUIA  
 MPIO: FREDONIA

LATITUD: 05° 56'N LONGITUD: 75° 37'W  
 ALTITUD : 1700 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	0.0	0.0	8.0	47.0	0.0	0.0	0.0	0.0	33.0	3.0	0.0	
2	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	31.0	13.0	11.0	28.0	
3	0.0	0.0	6.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	8.0	7.0	
4	5.0	0.0	5.0	7.0	7.0	0.0	5.0	0.0	0.0	20.0	17.0	36.0	
5	20.0	0.0	0.0	0.0	3.0	0.0	79.0	0.0	0.0	13.0	13.0	0.0	
6	4.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	13.0	0.0	7.0	0.0	
7	9.0	20.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0	
8	0.0	15.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	28.0	
9	5.0	0.0	0.0	0.0	0.0	10.0	20.0	0.0	4.0	33.0	30.0	4.0	
10	0.0	5.0	0.0	0.0	3.0	7.0	0.0	0.0	3.0	0.0	0.0	3.0	
11	25.0	0.0	0.0	6.0	0.0	8.0	3.0	0.0	28.0	88.0	0.0	0.0	
12	17.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	20.0	0.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	43.0	20.0	0.0	0.0	15.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	28.0	0.0	19.0	0.0	7.0	0.0	33.0	0.0	0.0	
15	0.0	0.0	0.0	23.0	0.0	55.0	0.0	5.0	0.0	11.0	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	20.0	50.0	0.0	0.0	0.0	45.0	0.0	0.0	5.0	0.0	0.0	
18	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	5.0	0.0	
19	0.0	13.0	10.0	0.0	0.0	0.0	0.0	0.0	11.0	47.0	0.0	0.0	
20	0.0	0.0	0.0	13.0	0.0	0.0	20.0	0.0	0.0	5.0	0.0	0.0	
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.0	18.0	36.0	0.0	
22	0.0	0.0	0.0	16.0	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	17.0	0.0	39.0	0.0	15.0	10.0	
24	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	
25	0.0	9.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	10.0	3.0	0.0	
26	0.0	0.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	
27	0.0	0.0	0.0	15.0	0.0	0.0	0.0	47.0	0.0	7.0	7.0	30.0	
28	0.0	0.0	0.0	0.0	51.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	
29	0.0	0.0	0.0	4.0	19.0	0.0	0.0	0.0	0.0	4.0	0.0	26.0	
30	0.0	0.0	0.0	5.0	0.0	0.0	0.0	62.0	44.0	18.0	0.0	0.0	
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	
TOTAL	85.0	94.0	108.0	137.0	191.0	126.0	224.0	121.0	256.0	434.0	155.0	177.0	ANUAL
DIAS LLUVIA	7	8	5	11	10	7	10	4	12	19	12	10	2108.0

PUESTO: GUAYMARAL  
 AÑO : 1990

DPTO: CALDAS  
 MPIO: AGUADAS

LATITUD: 05° 40'N LONGITUD: 75° 23'W  
 ALTITUD : 1600 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	0.0	0.0	4.0	125.0	15.0	7.0	0.0	6.0	11.0		12.0	
2	0.0	0.0	0.0	4.0	20.0	0.0	3.0	0.0	0.0	29.0		4.0	
3	0.0	0.0	5.0	2.0	34.0	0.0	1.0	0.0	3.0	0.0		9.0	
4	0.0	14.0	0.0	0.0	40.0	0.0	0.0	0.0	1.0	25.0		11.0	
5	0.0	2.0	0.0	10.0	15.0	0.0	0.0	0.0	2.0	0.0		12.0	
6	3.0	0.0	1.0	9.0	0.0	0.0	0.0	0.0	1.0	3.0		0.0	
7	10.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	25.0		22.0	
8	0.0	27.0	0.0	1.0	3.0	0.0	16.0	0.0	4.0	0.0		0.0	
9	0.0	4.0	0.0	2.0	0.0	12.0	13.0	0.0	2.0	13.0		7.0	
10	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	1.0	20.0		0.0	
11	0.0	0.0	0.0	0.0	0.0	4.0	2.0	0.0	8.0	30.0		0.0	
12	1.0	0.0	0.0	11.0	4.0	0.0	0.0	0.0	5.0	0.0		0.0	
13	5.0	0.0	0.0	9.0	16.0	17.0	0.0	0.0	7.0	0.0		0.0	
14	3.0	0.0	0.0	0.0	11.0	0.0	0.0	7.0	3.0	0.0		0.0	
15	0.0	0.0	0.0	0.0	0.0	22.0	2.0	10.0	0.0	22.0		0.0	
16	0.0	0.0	0.0	0.0	0.0	30.0	10.0	0.0	0.0	9.0		0.0	
17	0.0	7.0	23.0	6.0	0.0	0.0	5.0	0.0	0.0	5.0		0.0	
18	0.0	9.0	0.0	5.0	0.0	0.0	18.0	0.0	0.0	0.0		0.0	
19	0.0	22.0	0.0	1.0	0.0	0.0	0.0	0.0	4.0	8.0		0.0	
20	0.0	0.0	1.0	7.0	0.0	0.0	27.0	0.0	0.0	12.0		0.0	
21	2.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	28.0	4.0		0.0	
22	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	12.0		0.0	
23	0.0	0.0	3.0	130.0	0.0	0.0	19.0	0.0	9.0	0.0		44.0	
24	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		31.0	
25	0.0	0.0	8.0	0.0	3.0	0.0	0.0	0.0	0.0	4.0		0.0	
26	4.0	0.0	39.0	98.0	0.0	0.0	0.0	13.0	60.0	0.0		0.0	
27	0.0	0.0	0.0	0.0	4.0	0.0	0.0	15.0	0.0	17.0		0.0	
28	0.0	0.0	0.0	2.0	26.0	0.0	0.0	2.0	0.0	11.0		0.0	
29	0.0	0.0	0.0	7.0	0.0	0.0	4.0	0.0	0.0	4.0		0.0	
30	0.0	0.0	4.0	6.0	0.0	0.0	0.0	24.0	6.0	54.0		0.0	
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0		1.0	
TOTAL	28.0	85.0	85.0	314.0	311.0	100.0	130.0	71.0	150.0	320.0		153.0	ANUAL
DIAS LLUVIA	7	7	9	18	14	6	15	6	17	21		10	

PUESTO: CUATRO ESQUINAS  
 AÑO : 1990

DPTO: CALDAS  
 MPIC: AGUADAS

LATITUD: 05° 40'N LONGITUD: 75° 25'W  
 ALTITUD : 1900 m.

DIA	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	10.0	15.0		20.0	
2	0.0	0.0	0.0			0.0	0.0	0.0	0.0	25.0		5.0	
3	0.0	0.0	15.0			0.0	0.0	0.0	0.0	0.0		0.0	
4	20.0	0.0	0.0			0.0	5.0	0.0	0.0	19.0		26.0	
5	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	
7	0.0	0.0	0.0			0.0	13.0	0.0	2.0	28.0		0.0	
8	0.0	0.0	0.0			0.0	6.0	0.0	10.0	0.0		0.0	
9	0.0	0.0	0.0			0.0	15.0	0.0	0.0	18.0		0.0	
10	0.0	0.0	0.0			0.0	0.0	0.0	6.0	65.0		0.0	
11	0.0	0.0	0.0			0.0	0.0	0.0	9.0	21.0		0.0	
12	0.0	0.0	0.0			0.0	0.0	0.0	8.0	0.0		0.0	
13	0.0	0.0	0.0			0.0	0.0	0.0	2.0	2.0		0.0	
14	0.0	10.0	0.0			35.0	0.0	10.0	0.0	4.0		0.0	
15	0.0	0.0	0.0			27.0	0.0	4.0	0.0	12.0		0.0	
16	0.0	0.0	0.0			5.0	11.0	0.0	0.0	8.0		0.0	
17	0.0	0.0	0.0			0.0	21.0	0.0	0.0	3.0		0.0	
18	0.0	0.0	12.0			0.0	1.0	0.0	0.0	0.0		0.0	
19	0.0	0.0	0.0			0.0	0.0	0.0	0.0	14.0		0.0	
20	0.0	0.0	0.0			0.0	19.0	0.0	0.0	10.0		0.0	
21	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	14.0	0.0	20.0	9.0		0.0	
23	0.0	0.0	0.0			0.0	7.0	0.0	0.0	0.0		0.0	
24	0.0	0.0	10.0			0.0	0.0	0.0	0.0	0.0		6.0	
25	0.0	0.0	8.0			0.0	0.0	0.0	2.0	35.0		0.0	
26	0.0	0.0	0.0			0.0	0.0	11.0	47.0	0.0		8.0	
27	0.0	0.0	0.0			0.0	0.0	4.0	0.0	25.0		0.0	
28	0.0	0.0	0.0			0.0	0.0	6.0	0.0	16.0		0.0	
29	0.0	0.0	0.0			0.0	0.0	11.0	0.0	6.0		0.0	
30	0.0	0.0	0.0			0.0	0.0	19.0	5.0	9.0		0.0	
31	0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0		10.0	
TOTAL	20.0	10.0	45.0			67.0	112.0	65.0	121.0	344.0		75.0	ANUAL
DIAS LLUVIA	1	1	4			3	10	7	11	20		6	859.0
													63

PUESTO: LA LINDA  
 AÑO : 1990

DPTO: CALDAS  
 MPIC: FACORA

LATITUD: 05° 32'N LONGITUD: 75° 32'W  
 ALTITUD : 1850 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1			0.0	0.0	0.0	29.0	0.0	0.0	10.0	60.0	4.0	3.0	
2			0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	7.0	0.0	
3			0.0	10.0	0.0	0.0	0.0	0.0	0.0	13.0	28.0	7.0	
4			0.0	5.0	18.0	0.0	13.0	0.0	0.0	40.0	0.0	0.0	
5			2.0	8.0	0.0	0.0	0.0	0.0	0.0	15.0	21.0	0.0	
6			0.0	0.0	0.0	0.0	14.0	0.0	22.0	0.0	0.0	0.0	
7			0.0	0.0	0.0	0.0	0.0	10.0	0.0	20.0	0.0	0.0	
8			0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9			0.0	0.0	0.0	5.0	35.0	0.0	68.0	37.0	6.0	8.0	
10			0.0	0.0	35.0	41.0	0.0	0.0	0.0	15.0	10.0	10.0	
11			0.0	0.0	50.0	5.0	4.0	0.0	21.0	0.0	20.0	13.0	
12			0.0	0.0	4.0	0.0	0.0	0.0	10.0	18.0	15.0	2.0	
13			0.0	4.0	0.0	10.0	0.0	0.0	5.0	0.0	0.0	0.0	
14			0.0	46.0	0.0	10.0	0.0	18.0	0.0	0.0	0.0	6.0	
15			0.0	0.0	0.0	0.0	10.0	0.0	0.0	7.0	0.0	0.0	
16			0.0	0.0	0.0	0.0	14.0	0.0	0.0	5.0	13.0	0.0	
17			35.0	0.0	0.0	0.0	37.0	0.0	0.0	23.0	0.0	23.0	
18			0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	
19			0.0	10.0	0.0	0.0	0.0	0.0	5.0	0.0	12.0	14.0	
20			0.0	0.0	0.0	0.0	10.0	0.0	0.0	55.0	14.0	0.0	
21			0.0	0.0	32.0	0.0	5.0	0.0	0.0	0.0	17.0	0.0	
22			0.0	34.0	0.0	0.0	0.0	0.0	70.0	0.0	0.0	47.0	
23			5.0	3.0	0.0	0.0	0.0	0.0	1.0	0.0	63.0	9.0	
24			18.0	7.0	0.0	29.0	0.0	0.0	0.0	26.0	0.0	0.0	
25			0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	
26			20.0	20.0	0.0	0.0	0.0	8.0	0.0	10.0	15.0	15.0	
27			0.0	17.0	0.0	0.0	0.0	29.0	13.0	40.0	0.0	0.0	
28			0.0	2.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	
29			0.0	0.0	0.0	0.0	0.0	7.0	0.0	10.0	42.0	36.0	
30			28.0	0.0	5.0	0.0	0.0	35.0	0.0	0.0	3.0	12.0	
31			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	
TOTAL			108.0	186.0	184.0	129.0	192.0	107.0	225.0	416.0	290.0	241.0	ANUAL
DIAS LLUVIA			6	13	8	7	10	6	10	17	16	17	



PUESTO: EL DESCANSO  
 AÑO : 1990

DPTO: CALDAS  
 MPIO: MARMATO

LATITUD: 05° 30'N LONGITUD: 75° 37'W  
 ALTITUD : 1800 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1	0.0		0.0	0.0	0.0	0.0	0.0				0.0	11.0	
2	8.0		0.0	0.0	3.0	12.0	0.0				19.0	17.0	
3	0.0		0.0	14.0	0.0	0.0	3.0				49.0	0.0	
4	0.0		0.0	0.0	0.0	0.0	2.0				7.0	35.0	
5	0.0		0.0	0.0	0.0	0.0	0.0				16.0	5.0	
6	0.0		0.0	0.0	0.0	0.0	0.0				0.0	0.0	
7	0.0		0.0	7.0	5.0	0.0	0.0				0.0	0.0	
8	24.0		0.0	0.0	0.0	0.0	0.0			28.0	15.0	0.0	
9	0.0		0.0	0.0	0.0	5.0	0.0			40.0	60.0	0.0	
10	0.0		0.0	0.0	67.0	8.0	0.0			22.0	0.0	0.0	
11	23.0		0.0	3.0	10.0	0.0	0.0			40.0	0.0	2.0	
12	0.0		0.0	9.0	0.0	0.0	0.0			0.0	0.0	0.0	
13	0.0		0.0	0.0	22.0	0.0	0.0			9.0	0.0	0.0	
14	0.0		0.0	0.0	0.0	0.0	0.0			10.0	0.0	0.0	
15	0.0		0.0	5.0	0.0	0.0	0.0			0.0	0.0	0.0	
16	0.0		27.0	0.0	0.0	0.0	0.0			5.0	38.0	0.0	
17	0.0		0.0	0.0	0.0	0.0	33.0			3.0	0.0	0.0	
18	0.0		0.0	7.0	0.0	8.0	0.0			25.0	0.0	0.0	
19	0.0		0.0	0.0	4.0	0.0	0.0			7.0	35.0	0.0	
20	0.0		0.0	0.0	0.0	0.0	52.0			6.0	0.0	0.0	
21	0.0		0.0	28.0	17.0	0.0	0.0			17.0	30.0	0.0	
22	0.0		0.0	13.0	0.0	0.0	0.0			0.0	0.0	0.0	
23	0.0		5.0	0.0	0.0	0.0	0.0			2.0	10.0	0.0	
24	3.0		4.0	0.0	0.0	0.0	0.0			0.0	0.0	1.0	
25	0.0		0.0	16.0	0.0	0.0	0.0			0.0	20.0	0.0	
26	0.0		14.0	28.0	0.0	0.0	0.0			0.0	0.0	0.0	
27	0.0		0.0	0.0	40.0	0.0	0.0			0.0	0.0	1.0	
28	7.0		0.0	0.0	18.0	0.0	0.0			9.0	7.0	0.0	
29	0.0		20.0	14.0	0.0	0.0	0.0			0.0	4.0	0.0	
30	0.0		41.0	12.0	0.0	0.0	0.0			0.0	0.0	20.0	
31	0.0		0.0	0.0	0.0	0.0	0.0			0.0	0.0	0.0	
TOTAL	65.0		116.0	156.0	186.0	33.0	90.0				310.0	92.0	ANUAL
DIAS LLUVIA	5		7	12	9	4	4				13	8	

PUESTO: HOGAR JUVENIL  
 AÑO : 1990

DPTO: CALDAS  
 MPIO: PENSILVANIA

LATITUD: 05° 30'N LONGITUD: 75° 11'W  
 ALTITUD : 1560 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1	30.0	0.0	10.0	10.0	18.0	30.0	0.0	0.0	120.0	44.0		28.0	
2	0.0	40.0	50.0	2.0	12.0	0.0	0.0	0.0	10.0	40.0		0.0	
3	0.0	3.0	16.0	67.0	2.0	0.0	0.0	0.0	0.0	4.0		0.0	
4	0.0	63.0	44.0	19.0	0.0	2.0	4.0	0.0	0.0	3.0		0.0	
5	3.0	20.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	14.0		8.0	
6	44.0	2.0	27.0	0.0	0.0	0.0	5.0	0.0	38.0	39.0		27.0	
7	27.0	10.0	0.0	0.0	34.0	0.0	20.0	0.0	0.0	44.0		20.0	
8	72.0	53.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0		0.0	
9	8.0	3.0	0.0	0.0	65.0	20.0	0.0	0.0	7.0	40.0		13.0	
10	10.0	0.0	0.0	0.0	15.0	5.0	0.0	0.0	0.0	16.0		10.0	
11	0.0	2.0	0.0	0.0	0.0	0.0	11.0	0.0	40.0	54.0		12.0	
12	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	10.0	12.0		0.0	
13	0.0	0.0	0.0	2.0	10.0	110.0	0.0	0.0	2.0	25.0		0.0	
14	11.0	0.0	0.0	10.0	23.0	0.0	49.0	37.0	0.0	47.0		0.0	
15	0.0	0.0	3.0	20.0	0.0	0.0	0.0	72.0	0.0	35.0		0.0	
16	10.0	0.0	10.0	0.0	0.0	0.0	94.0	0.0	0.0	28.0		0.0	
17	10.0	40.0	90.0	0.0	0.0	0.0	35.0	10.0	0.0	35.0		0.0	
18	0.0	4.0	0.0	20.0	0.0	0.0	30.0	0.0	0.0	0.0		0.0	
19	3.0	16.0	78.0	9.0	20.0	0.0	0.0	0.0	13.0	49.0		20.0	
20	2.0	0.0	0.0	20.0	0.0	0.0	120.0	0.0	2.0	70.0		67.0	
21	9.0	20.0	22.0	30.0	0.0	0.0	0.0	0.0	30.0	73.0		66.0	
22	0.0	6.0	6.0	20.0	0.0	0.0	0.0	0.0	20.0	6.0		10.0	
23	0.0	0.0	0.0	5.0	0.0	0.0	12.0	2.0	14.0	10.0		61.0	
24	0.0	20.0	0.0	21.0	0.0	0.0	0.0	0.0	5.0	3.0		10.0	
25	0.0	0.0	25.0	92.0	0.0	0.0	0.0	10.0	13.0	0.0		12.0	
26	0.0	7.0	20.0	10.0	0.0	0.0	0.0	35.0	49.0	3.0		16.0	
27	0.0	0.0	0.0	0.0	9.0	0.0	0.0	47.0	0.0	20.0		37.0	
28	0.0	3.0	39.0	0.0	35.0	0.0	0.0	5.0	0.0	10.0		0.0	
29	0.0	0.0	0.0	10.0	15.0	0.0	0.0	0.0	10.0	42.0		7.0	
30	0.0	0.0	0.0	30.0	4.0	11.0	0.0	27.0	22.0	4.0		30.0	
31	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0		0.0	
TOTAL	239.0	312.0	443.0	397.0	302.0	186.0	392.0	245.0	405.0	780.0		454.0	ANUAL
DIAS LLUVIA	13	17	15	18	14	7	11	9	17	28		18	

PUESTO: GUACAS  
 AÑO : 1990

DPTO: CALDAS  
 MPIO: PENSILVANIA

LATITUD: 05° 28'N LONGITUD: 75° 10'W  
 ALTITUD: 1700 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC
1				20.0	40.0	0.0	0.0	0.0	0.0	90.0	20.0	40.0
2				120.0	10.0	0.0	10.0	0.0	0.0	30.0	0.0	30.0
3				90.0	20.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0
4				30.0	10.0	0.0	0.0	0.0	10.0	20.0	10.0	10.0
5				80.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
6				0.0	0.0	0.0	10.0	0.0	0.0	0.0	40.0	20.0
7				0.0	10.0	0.0	0.0	0.0	10.0	0.0	0.0	10.0
8				0.0	0.0	0.0	30.0	0.0	0.0	10.0	10.0	0.0
9				0.0	20.0	60.0	0.0	0.0	0.0	0.0	20.0	0.0
10				0.0	0.0	0.0	0.0	0.0	10.0	80.0	0.0	0.0
11				0.0	0.0	0.0	0.0	0.0	20.0	10.0	10.0	0.0
12				0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
13				20.0	10.0	10.0	0.0	60.0	0.0	30.0	0.0	0.0
14				0.0	0.0	60.0	10.0	0.0	0.0	0.0	0.0	0.0
15				20.0	0.0	0.0	0.0	0.0	0.0	20.0	10.0	0.0
16				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	50.0	0.0	10.0	60.0	0.0	10.0
18				10.0	0.0	0.0	0.0	0.0	20.0	50.0	20.0	0.0
19				20.0	0.0	0.0	110.0	0.0	0.0	30.0	0.0	40.0
20				0.0	0.0	0.0	0.0	0.0	0.0	10.0	60.0	10.0
21				0.0	0.0	0.0	0.0	0.0	20.0	0.0	30.0	0.0
22				30.0	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	40.0	0.0	10.0	20.0
24				10.0	0.0	0.0	0.0	0.0	20.0	0.0	40.0	0.0
25				80.0	0.0	0.0	0.0	60.0	40.0	40.0	20.0	10.0
26				0.0	0.0	0.0	0.0	10.0	0.0	30.0	0.0	0.0
27				20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0
28				0.0	20.0	0.0	0.0	10.0	0.0	20.0	20.0	0.0
29				30.0	0.0	0.0	0.0	0.0	10.0	10.0	0.0	10.0
30				10.0	0.0	0.0	0.0	0.0	20.0	0.0	30.0	0.0
31					0.0		0.0	140.0		10.0		30.0
TOTAL				610.0	140.0	180.0	270.0	280.0	230.0	550.0	430.0	270.0
DIAS LLUVIA				16	8	4	8	5	12	17	17	13

ANUAL

PUESTO: LA ARGENTINA  
 AÑO : 1990

DPTO: CALDAS  
 MPIO: RIOSUCIO

LATITUD: 05° 28'N LONGITUD: 75° 42'W  
 ALTITUD : 1420 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC
1	2.0	0.0	0.0	0.0	0.0	2.0	3.0	0.0	13.0	10.0	2.0	28.0
2	8.0	3.0	0.0	2.0	2.0	0.0	0.0	0.0	27.0	3.0	5.0	36.0
3	0.0	0.0	0.0	9.0	3.0	0.0	0.0	0.0	0.0	0.0	2.0	4.0
4	2.0	22.0	0.0	15.0	0.0	0.0	11.0	0.0	0.0	6.0	0.0	67.0
5	1.0	8.0	0.0	10.0	0.0	0.0	4.0	0.0	0.0	18.0	45.0	13.0
6	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	2.0
7	2.0	1.0	0.0	0.0	2.0	0.0	10.0	2.0	0.0	26.0	0.0	2.0
8	1.0	22.0	0.0	12.0	0.0	0.0	37.0	0.0	3.0	0.0	12.0	28.0
9	0.0	2.0	0.0	11.0	0.0	10.0	80.0	0.0	0.0	18.0	11.0	0.0
10	1.0	0.0	0.0	0.0	18.0	2.0	0.0	0.0	0.0	10.0	2.0	0.0
11	30.0	6.0	0.0	23.0	2.0	0.0	14.0	0.0	12.0	35.0	0.0	0.0
12	2.0	0.0	0.0	2.0	10.0	0.0	0.0	0.0	35.0	2.0	0.0	0.0
13	12.0	0.0	0.0	1.0	0.0	7.0	35.0	0.0	2.0	6.0	0.0	0.0
14	0.0	4.0	2.0	2.0	0.0	0.0	0.0	3.0	0.0	5.0	0.0	0.0
15	0.0	0.0	0.0	35.0	0.0	0.0	6.0	0.0	0.0	2.0	0.0	0.0
16	0.0	0.0	0.0	1.0	0.0	0.0	5.0	0.0	0.0	8.0	4.0	0.0
17	0.0	6.0	12.0	5.0	0.0	0.0	10.0	0.0	0.0	6.0	2.0	0.0
18	0.0	0.0	2.0	3.0	0.0	0.0	9.0	0.0	0.0	1.0	3.0	0.0
19	6.0	4.0	0.0	10.0	0.0	0.0	0.0	0.0	7.0	25.0	1.0	0.0
20	0.0	0.0	15.0	50.0	0.0	0.0	14.0	0.0	0.0	5.0	2.0	0.0
21	0.0	0.0	5.0	2.0	1.0	0.0	0.0	0.0	1.0	3.0	69.0	0.0
22	5.0	0.0	4.0	4.0	0.0	0.0	1.0	0.0	0.0	17.0	0.0	0.0
23	0.0	0.0	1.0	1.0	11.0	1.0	0.0	0.0	5.0	0.0	8.0	0.0
24	0.0	0.0	0.0	5.0	9.0	0.0	0.0	0.0	0.0	7.0	0.0	5.0
25	0.0	5.0	23.0	18.0	4.0	0.0	0.0	1.0	14.0	5.0	11.0	0.0
26	0.0	1.0	7.0	7.0	0.0	0.0	0.0	6.0	17.0	2.0	0.0	3.0
27	0.0	3.0	0.0	15.0	0.0	0.0	0.0	28.0	0.0	0.0	0.0	4.0
28	0.0	1.0	0.0	4.0	28.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
29	0.0		0.0	7.0	5.0	0.0	0.0	0.0	0.0	16.0	18.0	0.0
30	0.0		0.0	17.0	0.0	0.0	0.0	26.0	14.0	2.0	0.0	2.0
31	0.0		22.0		0.0		0.0	0.0		3.0		7.0
TOTAL	72.0	88.0	93.0	273.0	95.0	22.0	239.0	66.0	151.0	244.0	197.0	201.0
DIAS LLUVIA	12	14	10	27	12	5	14	6	13	26	16	13

ANUAL  
 1741.0  
 168

PUESTO: EL TAMBOR  
 AÑO : 1990

DPTO: CALDAS  
 MPIO: VICTORIA

LATITUD: 05° 24'N LONGITUD: 74° 54'W  
 ALTITUD : 850 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	29.0	4.0	15.0	0.0	27.0	0.0	42.0	0.0	0.0	12.0	32.4	1.7	
2	.5	4.0	0.0	0.0	5.0	0.0	0.0	0.0	12.0	24.3	25.0	17.2	
3	7.5	0.0	0.0	13.0	71.0	0.0	0.0	0.0	0.0	23.2	30.0	6.8	
4	6.0	28.0	48.0	7.0	0.0	0.0	0.0	0.0	0.0	19.3	10.0	2.9	
5	0.0	90.0	0.0	13.0	27.0	0.0	0.0	0.0	0.0	16.3	6.9	30.0	
6	54.0	0.0	16.0	0.0	4.0	0.0	0.0	3.0	0.0	32.0	0.0	13.7	
7	0.0	15.0	0.0	0.0	0.0	0.0	28.0	0.0	0.0	62.4	10.2	8.4	
8	5.0	18.5	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	20.0	
9	0.0	.5	0.0	0.0	43.0	18.0	5.0	0.0	0.0	59.1	2.3	0.0	
10	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	12.4	0.0	92.9	
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.2	0.0	5.3	
12	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	
13	0.0	0.0	0.0	15.0	14.0	135.0	0.0	0.0	0.0	19.1	.5	0.0	
14	0.0	3.0	0.0	20.0	0.0	60.0	0.0	93.0	7.5	0.0	0.0	0.0	
15	55.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0	0.0	12.7	0.0	0.0	
16	7.0	0.0	0.0	22.0	0.0	0.0	3.0	0.0	0.0	27.6	25.1	0.0	
17	33.0	0.0	48.0	0.0	0.0	0.0	13.0	0.0	0.0	39.1	42.5	0.0	
18	2.0	15.0	0.0	0.0	0.0	30.0	0.0	0.0	.5	0.0	5.2	12.1	
19	1.0	10.0	20.0	36.0	0.0	0.0	0.0	0.0	0.0	72.4	0.0	0.0	
20	18.0	0.0	0.0	7.0	0.0	0.0	20.0	0.0	50.0	69.2	70.7	4.2	
21	20.0	78.0	0.0	3.0	0.0	0.0	0.0	0.0	23.0	12.1	2.4	0.0	
22	8.0	15.0	10.0	12.0	0.0	0.0	0.0	0.0	3.0	32.0	30.0	0.0	
23	0.0	0.0	2.0	67.0	0.0	0.0	65.0	0.0	0.0	21.9	2.2	0.0	
24	0.0	0.0	10.0	86.0	0.0	0.0	0.0	0.0	0.0	54.6	9.4	0.0	
25	0.0	0.0	7.0	30.0	0.0	0.0	0.0	17.0	0.0	19.9	20.2	11.2	
26	1.5	0.0	14.0	0.0	0.0	0.0	0.0	24.0	13.0	8.0	7.9	35.0	
27	0.0	2.0	0.0	10.0	0.0	0.0	0.0	12.0	0.0	5.8	1.7	.2	
28	0.0	0.0	0.0	22.0	5.0	0.0	0.0	100.0	0.0	32.9	.7	0.0	
29	1.0	0.0	0.0	0.0	3.0	0.0	12.0	0.0	0.0	68.3	20.0	2.0	
30	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	46.7	2.0	.3	
31	0.0		10.0		0.0		0.0	0.0		48.4		48.1	
TOTAL	262.5	283.0	204.0	388.0	206.0	243.0	198.0	253.0	116.0	891.2	357.3	312.0	ANUAL
DIAS LLUVIA	17	13	12	16	10	4	9	7	8	28	22	18	3714.0
													164

PUESTO: LA CORNETA  
 AÑO : 1990

DPTO: CALDAS  
 MPIO: VICTORIA

LATITUD: 05° 23'N LONGITUD: 74° 54'W  
 ALTITUD : 800 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	44.0	0.0	14.0	28.0	28.0	5.0	45.0	0.0	0.0	30.0	30.0	40.0	
2	11.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	30.0	28.0	50.0	
3	0.0	0.0	0.0	0.0	63.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	
4	6.0	18.0	58.0	16.0	12.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0	
5	32.0	62.0	0.0	7.0	20.0	0.0	0.0	0.0	0.0	45.0	0.0	0.0	
6	0.0	0.0	26.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	
7	0.0	2.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	20.0	
8	9.0	16.0	0.0	0.0	0.0	15.0	8.0	0.0	0.0	86.0	0.0	0.0	
9	0.0	0.0	0.0	0.0	46.0	0.0	3.0	0.0	0.0	0.0	0.0	95.0	
10	1.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	80.0	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	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	76.0	52.0	0.0	0.0	0.0	20.0	0.0	0.0	
14	0.0	2.0	0.0	13.0	0.0	72.0	0.0	60.0	14.0	9.0	0.0	0.0	
15	10.0	3.0	1.0	7.0	0.0	10.0	11.0	0.0	0.0	35.0	55.0	0.0	
16	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	50.0	0.0	
17	27.0	0.0	37.0	13.0	0.0	0.0	5.0	0.0	0.0	0.0	5.0	0.0	
18	0.0	13.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	110.0	0.0	0.0	
19	0.0	15.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	90.0	10.0	0.0	
20	12.0	0.0	0.0	51.0	0.0	0.0	0.0	0.0	19.0	5.0	0.0	0.0	
21	32.0	87.0	0.0	12.0	0.0	0.0	0.0	0.0	21.0	33.0	60.0	0.0	
22	10.0	4.0	25.0	11.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	
23	0.0	0.0	3.0	7.0	0.0	0.0	60.0	0.0	6.0	25.0	30.0	12.0	
24	0.0	0.0	2.0	51.0	0.0	0.0	0.0	17.0	10.0	0.0	55.0	0.0	
25	0.0	0.0	5.0	32.0	0.0	0.0	0.0	50.0	0.0	20.0	0.0	0.0	
26	0.0	0.0	17.0	20.0	0.0	0.0	0.0	17.0	14.0	0.0	0.0	10.0	
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.0	0.0	60.0	35.0	0.0	
28	0.0	0.0	0.0	72.0	0.0	0.0	0.0	0.0	0.0	73.0	0.0	10.0	
29	2.0	0.0	0.0	16.0	0.0	0.0	20.0	0.0	0.0	35.0	0.0	0.0	
30	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	19.0	55.0	0.0	30.0	
31	0.0		16.0		0.0		0.0	12.0		50.0		45.0	
TOTAL	236.0	222.0	234.0	390.0	253.0	164.0	162.0	226.0	103.0	991.0	388.0	320.0	ANUAL
DIAS LLUVIA	14	10	12	17	8	6	8	6	7	23	11	10	3689.0
													132

PUESTO: LA MANUELITA  
 AÑO : 1990

DPTO: CALDAS  
 MPIO: RIOSUCIO

LATITUD: 05° 22'N LONGITUD: 75° 41'W  
 ALTITUD : 1400 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC		
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	10.0	4.0	0.0	0.0	5.0	
3	10.0	0.0	0.0	20.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	65.0	
4	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	1.0	15.0	0.0	15.0	0.0	3.0	15.0	0.0	0.0	0.0	0.0	40.0	0.0	
6	0.0	17.0	2.0	18.0	0.0	0.0	3.0	0.0	0.0	15.0	25.0	5.0	0.0	
7	0.0	0.0	4.0	0.0	5.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	
8	10.0	3.0	0.0	0.0	2.0	0.0	5.0	0.0	0.0	20.0	0.0	0.0	0.0	
9	0.0	25.0	0.0	0.0	0.0	0.0	20.0	0.0	1.0	2.0	32.0	0.0	0.0	
10	0.0	0.0	0.0	0.0	0.0	5.0	18.0	0.0	0.0	0.0	40.0	0.0	0.0	
11	8.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	18.0	2.0	0.0	0.0	
12	5.0	10.0	0.0	28.0	0.0	0.0	5.0	0.0	40.0	30.0	0.0	0.0	0.0	
13	10.0	0.0	0.0	0.0	1.0	10.0	0.0	0.0	3.0	12.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	32.0	5.0	0.0	7.0	0.0	0.0	8.0	30.0	0.0	0.0	
15	9.0	1.0	7.0	30.0	0.0	1.0	0.0	7.0	0.0	6.0	0.0	0.0	0.0	
16	6.0	0.0	0.0	65.0	0.0	7.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	
17	3.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	15.0	15.0	0.0	0.0	
18	0.0	0.0	22.0	0.0	0.0	0.0	1.0	0.0	0.0	4.0	0.0	0.0	0.0	
19	0.0	5.0	0.0	0.0	0.0	0.0	20.0	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	15.0	30.0	0.0	0.0	0.0	
21	0.0	0.0	54.0	80.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	
22	3.0	0.0	3.0	0.0	1.0	0.0	0.0	0.0	5.0	0.0	20.0	0.0	0.0	
23	0.0	0.0	15.0	4.0	0.0	0.0	1.0	0.0	0.0	15.0	5.0	0.0	0.0	
24	0.0	0.0	0.0	0.0	4.0	0.0	10.0	0.0	0.0	0.0	35.0	0.0	0.0	
25	0.0	2.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	7.0	0.0	2.0	0.0	
26	0.0	6.0	12.0	15.0	0.0	0.0	0.0	40.0	10.0	5.0	3.0	0.0	0.0	
27	0.0	0.0	5.0	14.0	0.0	0.0	0.0	10.0	5.0	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	20.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	35.0	0.0	
29	0.0	4.0	0.0	10.0	25.0	0.0	0.0	1.0	0.0	1.0	10.0	0.0	0.0	
30	0.0	0.0	0.0	30.0	5.0	0.0	0.0	2.0	0.0	55.0	12.0	0.0	0.0	
31	0.0	0.0	0.0	12.0	0.0	0.0	0.0	10.0	45.0	2.0	0.0	10.0	5.0	
31	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	
TOTAL	65.0	88.0	153.0	398.0	73.0	38.0	163.0	70.0	136.0	249.0	229.0	167.0	1829.0	ANUAL
DIAS LLUVIA	10	10	10	16	10	6	16	6	10	18	12	8	132	

PUESTO: CUBA  
 AÑO : 1990

DPTO: CALDAS  
 MPIO: VICTORIA

LATITUD: 05° 20'N LONGITUD: 74° 56'W  
 ALTITUD : 1050 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC		
1	14.0	11.0	7.0	0.0	32.0	2.0	58.0	0.0	8.5	15.5	37.0	0.0	0.0	
2	13.0	1.0	0.0	14.0	10.5	0.0	0.0	0.0	37.5	30.0	28.5	32.0	0.0	
3	9.5	0.0	0.0	38.0	21.0	0.0	0.0	0.0	0.0	0.0	46.5	10.0	0.0	
4	0.0	14.0	34.0	5.0	2.0	0.0	0.0	0.0	0.0	94.5	35.0	12.5	0.0	
5	15.0	29.0	0.0	0.0	35.0	0.0	0.0	0.0	0.0	0.0	9.5	81.5	0.0	
6	32.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	5.0	0.0	
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	116.5	28.0	4.0	0.0	
8	73.0	17.0	0.0	0.0	0.0	0.0	20.5	0.0	0.0	2.0	0.0	10.5	0.0	
9	0.0	2.0	0.0	0.0	50.0	27.0	3.0	0.0	0.0	107.0	0.0	57.0	0.0	
10	10.0	0.0	0.0	0.0	2.0	2.0	3.0	0.0	0.0	26.0	0.0	137.5	0.0	
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84.5	0.0	11.0	0.0	
12	29.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	3.5	4.0	0.0	0.0	0.0	
13	0.0	0.0	0.0	2.0	42.5	46.5	0.0	0.0	0.0	25.5	0.0	0.0	0.0	
14	0.0	2.0	0.0	0.0	2.0	54.5	4.0	55.5	4.5	8.0	0.0	0.0	0.0	
15	10.0	6.0	0.0	11.0	0.0	4.5	0.0	3.0	0.0	24.0	0.0	0.0	0.0	
16	22.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	28.0	0.0	0.0	0.0	
17	5.0	0.0	47.0	0.0	0.0	0.0	6.5	0.0	0.0	28.5	2.5	0.0	0.0	
18	20.0	7.0	0.0	10.0	0.0	3.0	5.0	3.0	0.0	0.0	3.0	21.5	0.0	
19	0.0	3.0	60.0	6.0	0.0	0.0	0.0	0.0	0.0	49.0	0.0	0.0	0.0	
20	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.5	61.5	2.5	46.0	0.0	
21	11.0	87.0	0.0	9.0	0.0	0.0	0.0	0.0	76.0	20.0	0.0	0.0	0.0	
22	0.0	6.0	53.0	8.0	0.0	0.0	0.0	0.0	0.0	6.0	37.5	4.5	0.0	
23	0.0	59.0	0.0	31.0	0.0	0.0	39.5	0.0	4.5	7.5	10.5	0.0	0.0	
24	0.0	2.0	2.0	29.0	0.0	0.0	0.0	0.0	0.0	13.5	9.0	7.0	0.0	
25	0.0	0.0	2.0	9.0	0.0	1.0	0.0	15.0	0.0	0.0	6.0	0.0	0.0	
26	0.0	0.0	22.0	0.0	0.0	0.0	0.0	59.5	6.5	53.0	0.0	20.0	0.0	
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	3.0	11.5	0.0	0.0	0.0	
28	0.0	0.0	0.0	23.0	1.0	0.0	0.0	50.5	0.0	19.0	44.5	0.0	0.0	
29	0.0	0.0	0.0	0.0	0.0	0.0	9.5	0.0	0.0	77.5	72.5	0.0	0.0	
30	0.0	0.0	8.0	12.0	0.0	0.0	0.0	0.0	3.5	14.0	0.0	0.0	0.0	
31	0.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	0.0	36.0	0.0	
TOTAL	292.5	246.0	266.0	222.0	198.0	140.5	152.0	206.5	163.0	978.5	372.5	496.0	3733.5	ANUAL
DIAS LLUVIA	14	14	11	15	10	8	10	7	10	27	15	16	157	

PUESTO: LA PASTORITA  
 AÑO : 1990

DPTO: CALDAS  
 MPIO: VICTORIA

LATITUD: 05° 19'N LONGITUD: 74° 57'W  
 ALTITUD : 1100 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	22.0	0.0	0.0	0.0	3.0	1.0	0.0	0.0	0.0	0.0		25.0	
2	0.0	0.0	0.0	34.0	11.0	0.0	0.0	0.0	40.0	0.0		65.0	
3	36.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0		29.0	
4	10.0	71.0	0.0	12.0	1.0	0.0	0.0	0.0	0.0	0.0		0.0	
5	0.0	22.0	0.0	15.0	7.0	0.0	0.0	1.0	0.0	0.0		74.0	
6	12.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	0.0		0.0	
7	98.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0		5.0	
8	0.0	0.0	0.0	0.0	0.0	0.0	15.0	1.0	2.0	0.0		25.0	
9	25.0	0.0	0.0	0.0	22.0	17.0	1.0	0.0	0.0	0.0		0.0	
10	0.0	0.0	0.0	8.0	2.0	0.0	0.0	0.0	0.0	0.0		102.0	
11	0.0	0.0	105.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0		34.0	
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	
13	0.0	0.0	0.0	10.0	56.0	0.0	0.0	0.0	0.0	0.0		0.0	
14	2.0	0.0	0.0	0.0	1.0	0.0	4.0	65.0	0.0	0.0		0.0	
15	0.0	0.0	71.0	0.0	6.0	0.0	0.0	2.0	0.0	0.0		0.0	
16	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0		0.0	
17	12.0	0.0	0.0	13.0	0.0	0.0	1.0	0.0	0.0	0.0		0.0	
18	0.0	0.0	0.0	0.0	0.0	0.0	19.0	0.0	0.0	0.0		5.0	
19	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	80.0	0.0	0.0	0.0	3.0	0.0	11.0	0.0		60.0	
21	0.0	42.0	0.0	0.0	0.0	0.0	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	0.0	0.0	1.0		34.0	
23	0.0	0.0	0.0	5.0	0.0	26.0	24.0	0.0	0.0	5.0		9.0	
24	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0		0.0	
25	0.0	20.0	13.0	0.0	0.0	0.0	2.0	10.0	0.0	0.0		60.0	
26	0.0	5.0	0.0	70.0	0.0	0.0	0.0	8.0	0.0	71.0		15.0	
27	0.0	0.0	0.0	134.0	0.0	0.0	0.0	65.0	0.0	20.0		5.0	
28	60.0	0.0	0.0	23.0	1.0	0.0	0.0	5.0	0.0	9.0		0.0	
29	0.0	0.0	4.0	13.0	0.0	0.0	2.0	0.0	0.0	58.0		15.0	
30	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	3.0		0.0	
31	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	
TOTAL	277.0	186.0	287.0	338.0	115.0	44.0	83.0	157.0	74.0	167.0		572.0	ANUAL
DIAS LLUVIA	9	6	6	12	12	3	12	8	4	7		17	

PUESTO: LA JULIA  
 AÑO : 1990

DPTO: CALDAS  
 MPIO: FILADELFIA

LATITUD: 05° 18'N LONGITUD: 75° 34'W  
 ALTITUD : 1650 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	0.0	0.0	0.0	9.0	4.0	10.0	0.0	0.0	30.0	0.0	7.0	
2	19.0	0.0	0.0	42.0	7.0	0.0	0.0	0.0	0.0	0.0	5.0	31.0	
3	5.0	0.0	0.0	41.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	
4	0.0	9.0	3.0	6.0	24.0	0.0	2.0	0.0	0.0	20.0	1.0	55.0	
5	0.0	8.0	0.0	4.0	0.0	0.0	1.0	0.0	0.0	52.0	0.0	6.0	
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	
7	0.0	0.0	0.0	0.0	4.0	0.0	2.0	0.0	1.0	30.0	0.0	0.0	
8	0.0	25.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	21.0	0.0	
9	0.0	7.0	1.0	0.0	9.0	2.0	10.0	0.0	0.0	0.0	7.0	0.0	
10	7.0	0.0	0.0	0.0	32.0	5.0	0.0	0.0	0.0	6.0	16.0	0.0	
11	4.0	0.0	0.0	15.0	6.0	0.0	1.0	0.0	6.0	0.0	0.0	1.0	
12	9.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	19.0	20.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	2.0	8.0	4.0	0.0	1.0	19.0	15.0	0.0	
14	0.0	0.0	0.0	0.0	0.0	1.0	0.0	23.0	0.0	9.0	0.0	0.0	
15	0.0	0.0	0.0	15.0	0.0	18.0	9.0	7.0	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	29.0	40.0	0.0	
17	0.0	0.0	10.0	5.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	
18	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	11.0	0.0	0.0	0.0	
19	0.0	0.0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	52.0	0.0	0.0	
20	0.0	0.0	33.0	21.0	0.0	0.0	51.0	0.0	0.0	7.0	0.0	0.0	
21	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	
22	0.0	18.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	41.0	20.0	0.0	
23	0.0	0.0	0.0	0.0	2.0	0.0	7.0	0.0	0.0	0.0	34.0	20.0	
24	0.0	0.0	0.0	0.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
25	0.0	0.0	11.0	6.0	1.0	0.0	0.0	0.0	16.0	11.0	0.0	0.0	
26	0.0	0.0	4.0	19.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	
27	0.0	6.0	0.0	22.0	0.0	0.0	0.0	27.0	2.0	12.0	0.0	0.0	
28	0.0	0.0	0.0	17.0	9.0	0.0	2.0	33.0	0.0	0.0	0.0	0.0	
29	0.0	0.0	0.0	24.0	0.0	0.0	0.0	0.0	0.0	42.0	29.0	0.0	
30	0.0	0.0	0.0	6.0	0.0	0.0	0.0	12.0	0.0	13.0	0.0	27.0	
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	
TOTAL	44.0	73.0	66.0	253.0	151.0	38.0	136.0	102.0	70.0	396.0	203.0	157.0	ANUAL
DIAS LLUVIA	5	6	7	16	15	6	14	5	9	17	11	8	119

PUESTO: SAN ISIDRO  
AÑO : 1990

DPTO: CALDAS  
MPIO: FILADELFIA

LATITUD: 05° 14'N LONGITUD: 75° 34'W  
ALTITUD : 1600 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1	10.0	0.0	0.0	5.0	6.0	20.0	3.0	0.0	5.0	11.0	6.0	8.0	
2	9.0	0.0	0.0	9.0	13.0	0.0	0.0	0.0	0.0	21.0	0.0	67.0	
3	7.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	2.0	35.0	14.0	
4	6.0	104.0	0.0	19.0	0.0	0.0	2.0	0.0	0.0	39.0	4.0	7.0	
5	0.0	42.0	0.0	13.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	3.0	
6	0.0	0.0	0.0	0.0	4.0	0.0	1.0	0.0	1.0	0.0	0.0	14.0	
7	0.0	0.0	0.0	0.0	2.0	0.0	9.0	0.0	0.0	40.0	0.0	45.0	
8	0.0	8.0	0.0	0.0	0.0	0.0	45.0	0.0	0.0	6.0	0.0	0.0	
9	8.0	29.0	0.0	0.0	6.0	0.0	28.0	0.0	0.0	9.0	0.0	0.0	
10	0.0	4.0	0.0	0.0	0.0	6.0	1.0	0.0	0.0	7.0	26.0	0.0	
11	5.0	6.0	0.0	3.0	0.0	0.0	1.0	0.0	0.0	34.0	0.0	0.0	
12	0.0	0.0	0.0	0.0	0.0	14.0	3.0	0.0	0.0	5.0	0.0	0.0	
13	11.0	0.0	0.0	1.0	0.0	0.0	5.0	2.0	0.0	4.0	2.0	4.0	
14	0.0	0.0	0.0	7.0	8.0	0.0	0.0	6.0	0.0	29.0	3.0	0.0	
15	0.0	0.0	0.0	61.0	0.0	20.0	1.0	0.0	0.0	3.0	0.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	1.0	3.0	0.0	3.0	36.0	16.0	0.0	
17	0.0	21.0	20.0	0.0	0.0	1.0	5.0	0.0	0.0	4.0	4.0	0.0	
18	0.0	0.0	0.0	0.0	0.0	0.0	26.0	0.0	0.0	2.0	11.0	0.0	
19	0.0	0.0	50.0	5.0	0.0	0.0	0.0	0.0	13.0	29.0	22.0	0.0	
20	0.0	0.0	8.0	6.0	3.0	0.0	23.0	0.0	0.0	0.0	8.0	0.0	
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	2.0	18.0	0.0	
22	0.0	0.0	12.0	0.0	0.0	0.0	6.0	0.0	4.0	40.0	7.0	0.0	
23	0.0	0.0	0.0	4.0	5.0	0.0	4.0	0.0	2.0	0.0	6.0	0.0	
24	0.0	0.0	4.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	20.0	
25	0.0	15.0	8.0	9.0	0.0	1.0	0.0	0.0	9.0	4.0	0.0	0.0	
26	0.0	0.0	6.0	8.0	12.0	1.0	0.0	0.0	13.0	0.0	0.0	22.0	
27	0.0	0.0	0.0	24.0	0.0	0.0	0.0	69.0	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	14.0	1.0	0.0	0.0	2.0	0.0	15.0	15.0	0.0	
29	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	3.0	5.0	0.0	3.0	
30	0.0	0.0	5.0	8.0	0.0	0.0	0.0	19.0	37.0	10.0	0.0	29.0	
31	0.0	0.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	
TOTAL	56.0	229.0	146.0	214.0	61.0	76.0	166.0	98.0	106.0	360.0	183.0	236.0	1931.0
DIAS LLUVIA	7	8	9	17	11	10	17	5	12	24	15	12	147

PUESTO: EL SAMAN  
AÑO : 1990

DPTO: CALDAS  
MPIO: RISARALDA

LATITUD: 05° 09'N LONGITUD: 75° 46'W  
ALTITUD : 1550 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	10.0	0.0	0.0	0.0	23.0	0.0	8.0	0.0	13.5	35.0	8.0	0.0	
3	0.0	0.0	0.0	0.0	9.0	0.0	32.0	0.0	0.0	7.0	10.5	12.0	
4	3.5	4.0	0.0	0.0	0.0	0.0	22.5	0.0	0.0	0.0	0.0	2.0	
5	0.0	0.0	0.0	8.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	45.0	
6	3.5	10.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	6.5	14.0	25.0	
7	14.5	0.0	3.0	0.0	0.0	0.0	11.0	0.0	0.0	4.0	0.0	0.0	
8	21.0	0.0	6.5	0.0	50.0	0.0	0.0	0.0	0.0	21.0	0.0	0.0	
9	11.0	25.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	8.0	0.0	0.0	
10	5.5	0.0	0.0	0.0	27.0	7.0	20.0	0.0	0.0	14.0	8.0	3.0	
11	9.0	0.0	0.0	0.0	0.0	25.0	7.5	0.0	4.0	10.0	0.0	0.0	
12	0.0	0.0	8.0	30.0	0.0	21.0	2.5	0.0	0.0	7.5	0.0	0.0	
13	0.0	0.0	0.0	4.0	12.0	15.0	0.0	7.0	10.0	0.0	14.0	0.0	
14	0.0	0.0	0.0	12.0	14.0	9.0	3.0	0.0	0.0	30.0	0.0	0.0	
15	25.0	0.0	4.0	6.0	0.0	0.0	7.0	0.0	0.0	7.0	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	31.0	6.5	0.0	24.0	0.0	0.0	9.0	9.0	2.0	
18	9.0	22.0	8.0	17.0	0.0	0.0	14.0	0.0	0.0	6.0	7.0	0.0	
19	0.0	18.0	14.0	0.0	0.0	0.0	17.0	0.0	0.0	14.0	5.0	0.0	
20	0.0	0.0	20.0	0.0	14.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	
21	0.0	0.0	12.0	20.0	0.0	0.0	19.5	0.0	0.0	18.0	8.0	0.0	
22	0.0	0.0	8.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	14.0	5.0	
23	0.0	0.0	5.5	8.0	0.0	0.0	0.0	0.0	0.0	26.0	0.0	0.0	
24	0.0	0.0	14.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	
25	0.0	44.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	14.0	0.0	2.5	
26	4.0	22.0	75.0	3.5	0.0	0.0	0.0	0.0	0.0	4.0	3.5	0.0	
27	0.0	0.0	14.0	0.0	0.0	0.0	0.0	20.0	33.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	0.0	28.0	0.0	0.0	0.0	0.0	1.0	2.0	0.0	
29	0.0	0.0	0.0	22.0	16.0	0.0	0.0	0.0	0.0	3.0	2.5	6.0	
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	25.0	0.0	
31	0.0	0.0	0.0	0.0	0.0	12.0	0.0	14.0	9.0	9.5	5.0	0.0	
TOTAL	116.0	145.0	207.5	175.5	264.0	89.0	213.0	41.0	69.5	270.5	138.5	104.0	1833.5
DIAS LLUVIA	11	7	14	12	13	6	15	3	5	23	16	10	135

PUESTO: LA SELVA  
 AÑO : 1990

DPTO: CALDAS  
 MPIO: MANIZALES

LATITUD: 05° 07'N LONGITUD: 75° 36'W  
 ALTITUD : 1350 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	4.0			21.0	0.0	2.0	12.0			14.0	0.0	2.0	
2	0.0			0.0	5.0	0.0	0.0			5.0	25.0	32.0	
3	6.0			84.0	2.0	0.0	0.0			0.0	45.0	4.0	
4	0.0			2.0	3.0	4.0	52.0			68.0	0.0	50.0	
5	0.0			37.0	0.0	0.0	11.0			5.0	0.0	13.0	
6	0.0			0.0	0.0	0.0	0.0			0.0	0.0	0.0	
7	2.0			0.0	0.0	0.0	6.0			51.0	0.0	0.0	
8	2.0			0.0	14.0	0.0	46.0			0.0	0.0	5.0	
9	5.0			0.0	4.0	0.0	42.0			0.0	8.0	0.0	
10	0.0			0.0	7.0	21.0	3.0			5.0	0.0	0.0	
11	2.0			20.0	3.0	0.0	3.0			40.0	0.0	2.0	
12	11.0			5.0	0.0	0.0	0.0			3.0	0.0	0.0	
13	0.0			14.0	36.0	0.0	3.0			30.0	0.0	0.0	
14	0.0			30.0	0.0	0.0	0.0			0.0	0.0	0.0	
15	0.0			24.0	0.0	43.0	0.0			0.0	0.0	0.0	
16	4.0			0.0	33.0	0.0	2.0			16.0	31.0	0.0	
17	2.0			5.0	8.0	0.0	6.0			0.0	2.0	0.0	
18	0.0			0.0	4.0	0.0	20.0			0.0	4.0	0.0	
19	14.0			0.0	0.0	0.0	0.0			46.0	6.0	0.0	
20	0.0			44.0	0.0	0.0	20.0			3.0	0.0	0.0	
21	0.0			0.0	7.0	0.0	0.0			0.0	6.0	8.0	
22	0.0			41.0	17.0	0.0	2.0			8.0	0.0	0.0	
23	0.0			0.0	30.0	10.0	0.0			0.0	11.0	0.0	
24	0.0			4.0	7.0	0.0	0.0			0.0	0.0	26.0	
25	3.0			10.0	0.0	0.0	0.0			27.0	0.0	0.0	
26	2.0			25.0	11.0	0.0	0.0			0.0	7.0	42.0	
27	0.0			55.0	0.0	3.0	0.0			0.0	0.0	7.0	
28	0.0			5.0	10.0	0.0	0.0			25.0	16.0	0.0	
29	0.0			0.0	10.0	0.0	0.0			0.0	0.0	0.0	
30	0.0			0.0	0.0	0.0	0.0			9.0	0.0	12.0	
31	0.0			0.0	0.0	0.0	0.0			0.0	0.0	0.0	
TOTAL	57.0			426.0	211.0	83.0	228.0			355.0	161.0	203.0	ANUAL
DIAS LLUVIA	12			17	18	6	14			16	11	12	

PUESTO: SANTA TERESITA  
 AÑO : 1990

DPTO: CALDAS  
 MPIO: MANIZALES

LATITUD: 05° 04'N LONGITUD: 75° 37'W  
 ALTITUD : 1200 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	7.0	0.0	0.0	0.0	2.0	7.0	24.0	0.0	11.0	20.0	0.0	0.0	
2	0.0	0.0	0.0	24.0	0.0	0.0	0.0	15.0	0.0	0.0	19.0	19.0	
3	0.0	0.0	9.0	40.0	1.0	8.0	1.0	0.0	0.0	0.0	42.0	5.0	
4	18.0	21.0	0.0	38.0	0.0	0.0	61.0	0.0	0.0	82.0	0.0	60.0	
5	0.0	14.0	0.0	12.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	10.0	
6	0.0	0.0	4.0	0.0	0.0	0.0	0.0	19.0	0.0	0.0	0.0	0.0	
7	2.0	11.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0	0.0	0.0	
8	4.0	43.0	0.0	0.0	19.0	0.0	34.0	1.0	12.0	0.0	1.0	2.0	
9	0.0	4.0	0.0	0.0	0.0	0.0	79.0	0.0	0.0	6.0	13.0	3.0	
10	1.0	0.0	0.0	0.0	50.0	21.0	1.0	0.0	10.0	0.0	0.0	0.0	
11	5.0	55.0	0.0	31.0	0.0	0.0	0.0	0.0	0.0	32.0	0.0	0.0	
12	7.0	4.0	0.0	3.0	0.0	5.0	0.0	0.0	4.0	0.0	0.0	0.0	
13	0.0	0.0	0.0	13.0	37.0	10.0	2.0	0.0	0.0	15.0	0.0	0.0	
14	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	
15	0.0	1.0	0.0	7.0	0.0	36.0	1.0	0.0	0.0	0.0	0.0	0.0	
16	16.0	0.0	12.0	0.0	24.0	0.0	6.0	0.0	0.0	9.0	45.0	0.0	
17	10.0	27.0	0.0	1.0	10.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	
18	0.0	2.0	27.0	0.0	5.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	
19	17.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	5.0	29.0	4.0	0.0	
20	0.0	0.0	0.0	42.0	0.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0	
21	0.0	0.0	0.0	5.0	24.0	0.0	1.0	0.0	58.0	2.0	3.0	0.0	
22	0.0	0.0	5.0	12.0	15.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	
23	0.0	0.0	1.0	0.0	26.0	5.0	0.0	0.0	0.0	0.0	45.0	0.0	
24	0.0	9.0	0.0	10.0	14.0	23.0	0.0	0.0	0.0	5.0	0.0	10.0	
25	1.0	15.0	45.0	2.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	
26	1.0	4.0	4.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.0	
27	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	15.0	6.0	
28	0.0	0.0	0.0	6.0	5.0	0.0	0.0	11.0	3.0	22.0	0.0	0.0	
29	0.0	0.0	0.0	37.0	14.0	0.0	0.0	0.0	0.0	4.0	0.0	19.0	
30	0.0	0.0	0.0	9.0	0.0	3.0	1.0	6.0	15.0	15.0	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	
TOTAL	89.0	210.0	112.0	332.0	252.0	118.0	255.0	52.0	118.0	305.0	187.0	170.0	ANUAL
DIAS LLUVIA	12	13	10	19	15	9	15	5	8	16	9	10	141

PUESTO: PROVIDENCIA  
 AÑO : 1990

DPTO: CALDAS  
 MPIO: PALESTINA

LATITUD: 05° 03'N LONGITUD: 75° 42'W  
 ALTITUD : 1250 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC
1	0.0	19.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	17.0	0.0	15.0
2	0.0	0.0	11.0	12.0	22.0	0.0	0.0	33.0	0.0	8.0	62.0	0.0
3	0.0	8.0	0.0	15.0	0.0	4.0	0.0	0.0	0.0	1.0	12.0	0.0
4	0.0	0.0	0.0	25.0	2.0	5.0	30.0	0.0	0.0	12.0	2.0	8.0
5	0.0	0.0	0.0	24.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	52.0
6	0.0	0.0	16.0	0.0	3.0	0.0	0.0	18.0	0.0	3.0	0.0	0.0
7	0.0	75.0	0.0	0.0	0.0	7.0	26.0	0.0	0.0	23.0	0.0	0.0
8	0.0	23.0	0.0	0.0	14.0	0.0	6.0	6.0	0.0	0.0	6.0	8.0
9	20.0	20.0	0.0	0.0	9.0	5.0	62.0	0.0	0.0	8.0	0.0	0.0
10	7.0	26.0	0.0	0.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	126.0	8.0	0.0	0.0	0.0	14.0	81.0	0.0	0.0
12	0.0	0.0	0.0	9.0	0.0	10.0	0.0	0.0	27.0	4.0	0.0	0.0
13	0.0	0.0	0.0	22.0	12.0	0.0	0.0	7.0	2.0	2.0	0.0	0.0
14	0.0	0.0	17.0	0.0	0.0	0.0	12.0	1.0	0.0	12.0	0.0	0.0
15	0.0	12.0	3.0	25.0	0.0	0.0	6.0	0.0	0.0	9.0	0.0	0.0
16	5.0	0.0	0.0	0.0	18.0	31.0	19.0	0.0	0.0	6.0	0.0	0.0
17	0.0	0.0	15.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	3.0	0.0	0.0	0.0	0.0	28.0	0.0	1.0	0.0	4.0	0.0
20	0.0	0.0	0.0	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	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	2.0	0.0	0.0	0.0	8.0	0.0
23	0.0	0.0	30.0	0.0	3.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
24	0.0	2.0	50.0	14.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	15.0
25	19.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	7.0	0.0	0.0
26	0.0	2.0	0.0	80.0	5.0	3.0	0.0	0.0	0.0	0.0	0.0	10.0
27	0.0	0.0	0.0	85.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	12.0	10.0	0.0	0.0	1.0	0.0	0.0	0.0	6.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0
30	0.0	0.0	0.0	0.0	0.0	2.0	0.0	7.0	21.0	17.0	6.0	8.0
31	9.0	7.0	7.0	3.0	3.0	0.0	0.0	25.0	0.0	25.0	0.0	0.0

TOTAL DIAS LLUVIA 60.0 201.0 162.0 449.0 146.0 69.0 217.0 109.0 80.0 236.0 116.0 122.0 ANUAL 1967.0  
 5 11 9 12 14 9 11 9 7 17 8 8 120

PUESTO: EL RECREO  
 AÑO : 1990

DPTO: CALDAS  
 MPIO: PALESTINA

LATITUD: 05° 02'N LONGITUD: 75° 39'W  
 ALTITUD : 1450 m.

DIA	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	43.0	0.0	0.0	2.0	0.0	0.0
2	0.0	2.0	0.0	11.0	4.0	0.0	0.0	13.0	0.0	0.0	1.0	0.0
3	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0
4	0.0	2.0	0.0	40.0	0.0	0.0	60.0	0.0	0.0	38.0	0.0	0.0
5	0.0	8.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	17.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
7	0.0	38.0	0.0	0.0	0.0	9.0	25.0	0.0	0.0	0.0	0.0	0.0
8	17.0	42.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0
9	0.0	4.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	20.0	0.0
10	0.0	0.0	0.0	0.0	30.0	1.0	0.0	0.0	15.0	1.0	0.0	0.0
11	29.0	44.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	41.0	0.0	0.0
12	6.0	5.0	0.0	10.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	60.0	3.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
14	0.0	0.0	24.0	0.0	0.0	1.0	0.0	0.0	0.0	30.0	0.0	0.0
15	0.0	0.0	1.0	10.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
16	18.0	0.0	0.0	5.0	50.0	0.0	9.0	0.0	0.0	0.0	21.0	0.0
17	27.0	10.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	8.0	15.0	0.0	0.0	0.0	0.0	32.0	0.0	0.0	0.0	0.0	0.0
19	3.0	1.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	0.0	0.0
20	0.0	0.0	5.0	35.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	1.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0	0.0
23	0.0	0.0	5.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0
24	0.0	15.0	72.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	32.0	16.0	5.0	5.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	10.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	10.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	16.0	0.0	0.0	13.0	10.0	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	23.0	10.0	2.0	0.0
31	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL DIAS LLUVIA 140.0 203.0 168.0 248.0 195.0 61.0 229.0 58.0 39.0 161.0 107.0 ANUAL 1967.0  
 8 14 11 13 12 4 9 4 3 8 7



PUESTO: LA ARGENTINA  
 AÑO : 1990

DPTO: CALDAS  
 MPIO: PALESTINA

LATITUD: 05° 02'N LONGITUD: 75° 41'W  
 ALTITUD : 1350 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1		0.0	0.0	0.0	0.0	0.0	51.0	0.0	23.0	22.0	2.0	15.0	
2		0.0	30.0	0.0	0.0	4.0	0.0	36.0	0.0	0.0	11.0	0.0	
3		0.0	0.0	20.0	15.0	0.0	11.0	0.0	0.0	0.0	32.0	15.0	
4		0.0	20.0	36.0	2.0	0.0	1.0	0.0	0.0	26.0	0.0	35.0	
5		0.0	0.0	26.0	4.0	0.0	0.0	0.0	0.0	10.0	0.0	9.0	
6		0.0	0.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7		67.0	5.0	0.0	3.0	0.0	32.0	0.0	0.0	12.0	0.0	5.0	
8		26.0	0.0	0.0	34.0	0.0	0.0	0.0	0.0	0.0	35.0	0.0	
9		0.0	0.0	0.0	2.0	0.0	42.0	0.0	0.0	14.0	4.0	0.0	
10		0.0	0.0	0.0	32.0	16.0	0.0	2.0	0.0	0.0	0.0	0.0	
11		46.0	0.0	66.0	12.0	1.0	0.0	0.0	3.0	57.0	0.0	0.0	
12		0.0	0.0	18.0	0.0	0.0	12.0	0.0	14.0	2.0	0.0	0.0	
13		0.0	0.0	0.0	20.0	0.0	0.0	7.0	0.0	7.0	0.0	0.0	
14		0.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	
15		3.0	2.0	0.0	0.0	36.0	0.0	0.0	0.0	0.0	0.0	0.0	
16		0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	
17		9.0	0.0	0.0	7.0	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	26.0	0.0	0.0	0.0	0.0	0.0	
19		0.0	26.0	0.0	0.0	0.0	0.0	0.0	4.0	29.0	0.0	0.0	
20		0.0	10.0	22.0	0.0	0.0	25.0	0.0	0.0	16.0	4.0	0.0	
21		6.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	10.0	0.0	0.0	
22		0.0	10.0	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	7.0	0.0	0.0	0.0	0.0	0.0	26.0	32.0	
24		24.0	58.0	0.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0	0.0	
25		6.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	28.0	
26		0.0	11.0	64.0	8.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	
27		0.0	0.0	21.0	19.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	
28		0.0	0.0	6.0	24.0	0.0	0.0	10.0	0.0	0.0	4.0	0.0	
29			0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	15.0	38.0	
30			0.0	0.0	0.0	0.0	0.0	6.0	12.0	6.0	5.0	0.0	
31			23.0		14.0		0.0	0.0		9.0		0.0	
TOTAL DIAS LLUVIA	187.0 8	224.0 11	284.0 10	242.0 17	57.0 4	222.0 9	61.0 5	75.0 7	261.0 16	155.0 12	177.0 8	ANUAL	

PUESTO: JAVA  
 AÑO : 1990

DPTO: CALDAS  
 MPIO: MANIZALES

LATITUD: 05° 01'N LONGITUD: 75° 33'W  
 ALTITUD : 1780 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	0.0	0.0	1.0	2.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	
2	40.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	2.0	8.0	
3	0.0	0.0	2.0	4.0	13.0	2.0	3.0	0.0	0.0	0.0	15.0	2.0	
4	0.0	50.0	0.0	0.0	3.0	0.0	30.0	0.0	0.0	0.0	5.0	16.0	
5	23.0	9.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	23.0	1.0	16.0	
6	0.0	0.0	30.0	0.0	0.0	0.0	0.0	5.0	1.0	5.0	0.0	0.0	
7	0.0	15.0	0.0	0.0	0.0	0.0	4.0	0.0	1.0	20.0	0.0	0.0	
8	8.0	2.0	0.0	0.0	10.0	0.0	0.0	0.0	1.0	0.0	0.0	8.0	
9	0.0	0.0	0.0	4.0	0.0	1.0	3.0	0.0	1.0	6.0	9.0	0.0	
10	0.0	12.0	10.0	0.0	0.0	2.0	10.0	0.0	0.0	8.0	3.0	0.0	
11	19.0	22.0	0.0	9.0	0.0	3.0	0.0	0.0	0.0	48.0	0.0	7.0	
12	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	1.0	0.0	0.0	0.0	
13	2.0	0.0	0.0	0.0	12.0	0.0	0.0	4.0	1.0	10.0	0.0	0.0	
14	0.0	17.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	20.0	0.0	0.0	
15	0.0	0.0	0.0	0.0	0.0	0.0	5.0	1.0	0.0	0.0	0.0	0.0	
16	0.0	0.0	0.0	6.0	41.0	0.0	3.0	0.0	0.0	11.0	19.0	0.0	
17	18.0	0.0	55.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	9.0	0.0	
18	0.0	10.0	0.0	9.0	5.0	0.0	23.0	0.0	0.0	0.0	2.0	0.0	
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	22.0	1.0	0.0	
20	0.0	0.0	0.0	18.0	30.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.0	0.0	26.0	0.0	
22	0.0	0.0	10.0	10.0	8.0	9.0	0.0	0.0	5.0	7.0	0.0	0.0	
23	0.0	0.0	7.0	0.0	0.0	10.0	3.0	0.0	7.0	0.0	12.0	0.0	
24	0.0	0.0	2.0	12.0	9.0	16.0	0.0	0.0	0.0	0.0	0.0	10.0	
25	0.0	15.0	8.0	0.0	6.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	
26	0.0	8.0	2.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	68.0	
27	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	2.0	11.0	0.0	2.0	
28	0.0	19.0	0.0	16.0	15.0	0.0	1.0	1.0	0.0	46.0	0.0	0.0	
29	0.0	0.0	0.0	0.0	3.0	0.0	0.0	1.0	0.0	10.0	19.0	0.0	
30	0.0	0.0	0.0	12.0	5.0	0.0	0.0	0.0	18.0	61.0	0.0	0.0	
31	0.0		0.0		0.0		0.0	0.0		6.0		31.0	
TOTAL DIAS LLUVIA	110.0 6	179.0 11	126.0 9	103.0 12	165.0 15	48.0 8	102.0 14	24.0 7	91.0 14	316.0 18	123.0 13	168.0 10	ANUAL 1555.0 137

PUESTO: LA SIERRA  
AÑO : 1990

DPTO: CALDAS  
MPIO: CHINCHINA

LATITUD: 04° 59'N LONGITUD: 75° 38'W  
ALTITUD : 1450 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	21.0	0.0	0.0	0.0	0.0	2.0	38.0	0.0	28.0	41.0	7.0	38.0	
2	0.0	0.0	4.0	3.0	0.0	11.0	0.0	5.0	0.0	2.0	25.0	15.0	
3	0.0	0.0	0.0	4.0	0.0	2.0	42.0	5.0	0.0	0.0	27.0	19.0	
4	0.0	10.0	0.0	11.0	7.0	10.0	18.0	0.0	0.0	42.0	0.0	38.0	
5	0.0	11.0	49.0	38.0	17.0	0.0	0.0	0.0	0.0	4.0	0.0	22.0	
6	7.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7	15.0	22.0	1.0	0.0	0.0	0.0	38.0	0.0	0.0	20.0	0.0	7.0	
8	10.0	40.0	0.0	3.0	17.0	0.0	6.0	0.0	0.0	0.0	4.0	4.0	
9	0.0	20.0	0.0	0.0	7.0	4.0	15.0	0.0	2.0	20.0	32.0	0.0	
10	0.0	0.0	0.0	0.0	29.0	4.0	0.0	20.0	0.0	5.0	0.0	0.0	
11	26.0	47.0	0.0	4.0	11.0	0.0	0.0	0.0	32.0	45.0	0.0	0.0	
12	41.0	0.0	0.0	47.0	0.0	2.0	24.0	0.0	20.0	1.0	3.0	0.0	
13	0.0	0.0	0.0	43.0	31.0	5.0	4.0	7.0	0.0	20.0	0.0	0.0	
14	0.0	10.0	0.0	35.0	0.0	0.0	0.0	0.0	0.0	5.0	8.0	0.0	
15	0.0	13.0	4.5	17.0	0.0	43.0	0.0	0.0	0.0	0.0	6.0	0.0	
16	30.0	0.0	0.0	0.0	41.0	8.0	18.0	0.0	0.0	33.0	18.0	0.0	
17	23.0	0.0	47.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	13.0	0.0	
18	0.0	7.0	0.0	15.0	0.0	0.0	30.0	6.0	0.0	0.0	0.0	0.0	
19	0.0	2.0	3.0	0.0	0.0	0.0	0.0	8.0	0.0	25.0	8.0	0.0	
20	0.0	0.0	17.0	0.0	2.0	0.0	15.0	0.0	0.0	0.0	24.0	0.0	
21	0.0	0.0	1.0	47.0	5.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	
22	0.0	0.0	4.0	15.0	0.0	0.0	0.0	0.0	6.0	3.0	0.0	0.0	
23	0.0	0.0	20.0	0.0	1.0	0.0	2.0	0.0	2.0	0.0	6.0	0.0	
24	0.0	12.0	8.0	7.0	10.0	0.0	0.0	0.0	0.0	0.0	4.0	25.0	
25	14.0	6.0	13.0	10.0	1.0	0.0	0.0	11.0	7.0	5.0	0.0	0.0	
26	3.0	0.0	2.0	15.0	6.0	0.0	0.0	0.0	2.0	0.0	0.0	9.0	
27	0.0	0.0	0.0	8.0	6.0	0.0	0.0	3.0	2.0	15.0	0.0	7.0	
28	0.0	0.0	0.0	16.0	27.0	0.0	0.0	5.0	0.0	28.0	0.0	0.0	
29	0.0	0.0	0.0	0.0	10.0	0.0	11.0	0.0	6.0	0.0	8.0	0.0	
30	2.0	0.0	0.0	5.0	0.0	4.0	0.0	14.0	7.0	17.0	0.0	7.0	
31	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	
TOTAL	192.0	200.0	187.5	358.0	228.0	95.0	261.0	85.0	114.0	332.0	200.0	191.0	ANUAL
DIAS LLUVIA	11	12	14	20	17	11	13	11	11	19	16	11	2443.5 166

PUESTO: INSTITUTO TECNICO  
AÑO : 1990

DPTO: CAUCA  
MPIO: SANTANDER

LATITUD: 03° 01'N LONGITUD: 76° 29'W  
ALTITUD : 1110 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	
2	0.0	42.0	33.0	0.0	1.0	0.0	0.0	0.0	0.0	3.0	0.0	4.0	
3	0.0	0.0	6.0	37.0	0.0	0.0	0.0	0.0	0.0	4.0	27.0	0.0	
4	9.0	8.0	0.0	5.0	22.0	0.0	0.0	0.0	0.0	34.0	0.0	16.0	
5	0.0	11.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	7.0	38.0	0.0	
6	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	0.0	0.0	
7	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	5.0	
8	8.0	6.0	0.0	0.0	3.0	0.0	7.0	0.0	0.0	7.0	2.0	0.0	
9	19.0	4.0	0.0	0.0	2.0	0.0	13.0	0.0	0.0	28.0	0.0	0.0	
10	7.0	9.0	0.0	0.0	0.0	5.0	0.0	0.0	11.0	0.0	0.0	0.0	
11	4.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	48.0	0.0	2.0	
12	10.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	1.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	
14	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	
15	0.0	23.0	0.0	23.0	0.0	31.0	0.0	0.0	0.0	5.0	0.0	0.0	
16	0.0	14.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	11.0	0.0	0.0	
17	0.0	10.0	4.0	2.0	0.0	4.0	1.0	0.0	0.0	4.0	19.0	0.0	
18	0.0	7.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0	9.0	0.0	
19	2.0	33.0	3.0	4.0	0.0	0.0	0.0	0.0	6.0	2.0	0.0	0.0	
20	0.0	0.0	21.0	12.0	0.0	0.0	0.0	0.0	0.0	1.0	80.0	0.0	
21	4.0	2.0	6.0	22.0	0.0	0.0	0.0	0.0	0.0	3.0	11.0	24.0	
22	0.0	0.0	0.0	0.0	44.0	0.0	0.0	0.0	1.0	3.0	0.0	12.0	
23	0.0	0.0	8.0	14.0	0.0	0.0	0.0	0.0	7.0	23.0	0.0	45.0	
24	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.0	
25	0.0	0.0	7.0	1.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	
26	0.0	12.0	10.0	2.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	10.0	
27	0.0	2.0	0.0	15.0	0.0	1.0	0.0	0.0	6.0	3.0	0.0	0.0	
28	0.0	0.0	0.0	5.0	0.0	0.0	0.0	15.0	2.0	9.0	1.0	13.0	
29	0.0	0.0	3.0	1.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
30	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	4.0	4.0	0.0	0.0	
31	0.0	0.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	35.0	
TOTAL	159.0	193.0	134.0	160.0	108.0	46.0	30.0	33.0	45.0	243.0	190.0	229.0	ANUAL
DIAS LLUVIA	11	15	13	15	7	5	5	3	9	25	9	11	1570.0 128

PUESTO: LA TRINIDAD  
AÑO : 1990

DPTO: CAUCA  
MPIO: PIENDAMO

LATITUD: 02° 44'N LONGITUD: 76° 34'W  
ALTITUD : 1600 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	12.0	0.0	1.0	49.0	22.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	
2	2.0	48.0	79.0	5.0	6.0	0.0	12.0	0.0	4.0	12.0	0.0	46.0	
3	0.0	0.0	10.0	17.0	22.0	0.0	0.0	0.0	0.0	0.0	48.0	39.0	
4	0.0	87.0	0.0	7.0	5.0	2.0	6.0	0.0	0.0	13.0	7.0	33.0	
5	6.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	8.0	
6	9.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	
7	44.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	7.0	76.0	0.0	39.0	
8	6.0	40.0	0.0	0.0	2.0	0.0	16.0	0.0	0.0	29.0	13.0	0.0	
9	46.0	35.0	0.0	0.0	29.0	5.0	29.0	0.0	2.0	16.0	0.0	12.0	
10	30.0	114.0	0.0	0.0	0.0	11.0	3.0	0.0	0.0	0.0	0.0	0.0	
11	9.0	29.0	0.0	0.0	11.0	23.0	0.0	0.0	0.0	0.0	0.0	10.0	
12	7.0	2.0	0.0	0.0	0.0	13.0	0.0	0.0	15.0	0.0	0.0	0.0	
13	2.0	7.0	0.0	0.0	14.0	5.0	0.0	2.0	0.0	0.0	0.0	0.0	
14	6.0	25.0	3.0	8.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15	0.0	4.0	0.0	48.0	0.0	9.0	3.0	0.0	0.0	0.0	0.0	0.0	
16	0.0	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17	0.0	20.0	7.0	4.0	0.0	0.0	2.0	0.0	8.0	15.0	15.0	0.0	
18	0.0	17.0	4.0	0.0	0.0	0.0	7.0	0.0	0.0	24.0	5.0	0.0	
19	19.0	65.0	2.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	
20	0.0	3.0	0.0	7.0	0.0	0.0	0.0	0.0	2.0	0.0	28.0	0.0	
21	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	49.0	56.0	29.0	11.0	
22	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.0	0.0	12.0	
23	0.0	0.0	7.0	31.0	0.0	0.0	24.0	0.0	9.0	0.0	2.0	6.0	
24	0.0	0.0	12.0	0.0	2.0	0.0	0.0	0.0	7.0	0.0	0.0	15.0	
25	2.0	0.0	10.0	48.0	0.0	0.0	0.0	0.0	39.0	0.0	0.0	2.0	
26	1.0	8.0	7.0	2.0	0.0	0.0	0.0	12.0	7.0	0.0	0.0	1.0	
27	0.0	2.0	5.0	10.0	0.0	7.0	0.0	0.0	0.0	1.0	0.0	0.0	
28	0.0	8.0	0.0	1.0	3.0	0.0	0.0	29.0	0.0	14.0	21.0	0.0	
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	0.0	
30	0.0	0.0	0.0	6.0	0.0	0.0	0.0	1.0	20.0	0.0	0.0	0.0	
31	0.0	0.0	23.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	48.0	
TOTAL	201.0	566.0	172.0	243.0	127.0	75.0	114.0	44.0	169.0	302.0	185.0	282.0	ANUAL
DIAS LLUVIA	15	20	14	14	12	8	12	4	12	13	10	14	2480.0
													148

PUESTO: PORTACHUELO  
AÑO : 1990

DPTO: CAUCA  
MPIO: ROSAS

LATITUD: 02° 15'N LONGITUD: 76° 45'W  
ALTITUD : 1750 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	25.0	0.0	14.0	1.0	0.0	0.0	0.0				52.5	15.0	
2	0.0	20.5	0.0	10.0	0.0	0.0	0.0				45.0	84.0	
3	0.0	0.0	22.0	0.0	5.0	0.0	0.0				36.0	23.5	
4	12.0	17.0	0.0	5.0	10.0	2.0	0.0				1.0	61.0	
5	23.0	3.0	0.0	0.0	0.0	0.0	0.0				0.0	2.0	
6	21.0	0.0	0.0	0.0	34.0	0.0	0.0				4.0	0.0	
7	62.0	19.0	0.0	4.0	0.0	0.0	2.0				0.0	1.0	
8	25.0	10.0	0.0	0.0	0.0	0.0	42.0				0.0	40.0	
9	11.0	26.5	0.0	0.0	4.0	0.0	9.0				0.0	6.0	
10	20.0	0.0	0.0	0.0	6.5	0.0	7.0				0.0	0.0	
11	22.0	29.0	0.0	7.5	8.0	0.0	0.0				0.0	30.0	
12	45.0	5.0	0.0	0.0	5.0	0.0	0.0				0.0	2.0	
13	5.5	0.0	0.0	0.0	5.0	0.0	0.0				0.0	0.0	
14	12.0	4.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	
15	0.0	15.0	0.0	0.0	0.0	39.0	0.0				0.0	0.0	
16	0.0	10.0	0.0	10.5	0.0	3.0	0.0				40.0	0.0	
17	0.0	2.0	0.0	0.0	0.0	0.0	0.0				20.5	0.0	
18	0.0	24.5	0.0	23.0	0.0	0.0	0.0				22.0	0.0	
19	0.0	9.5	0.0	25.0	0.0	0.0	0.0				8.0	0.0	
20	0.0	0.0	0.0	9.0	0.0	0.0	0.0			8.0	54.0	0.0	
21	0.0	3.0	0.0	18.0	0.0	0.0	0.0			10.0	0.0	20.0	
22	0.0	36.0	2.0	35.0	0.0	0.0	0.0			6.0	18.0	0.0	
23	0.0	9.0	42.0	0.0	0.0	0.0	0.0			55.0	25.0	42.5	
24	0.0	50.0	0.0	14.0	0.0	0.0	0.0			0.0	6.0	22.5	
25	0.0	30.0	40.0	20.0	0.0	2.5	0.0			8.0	24.5	3.0	
26	0.0	9.0	23.0	0.0	0.0	0.0	0.0			15.0	15.0	5.0	
27	0.0	0.0	43.0	0.0	0.0	0.0	0.0			40.0	17.0	2.0	
28	0.0	54.0	0.0	15.0	0.0	0.0	0.0			40.5	34.0	9.0	
29	0.0	0.0	0.0	0.0	9.0	0.0	0.0			3.0	10.0	6.0	
30	0.0	0.0	0.0	4.5	0.0	0.0	0.0			33.0	26.0	31.0	
31	0.0	0.0	32.5	0.0	0.0	0.0	0.0			51.5	0.0	9.0	
TOTAL	283.5	386.0	218.5	201.5	86.5	46.5	60.0				458.5	414.5	ANUAL
DIAS LLUVIA	12	21	8	15	9	4	4				19	20	

PUESTO: SECRETARIA AGRICULTURA  
 AÑO : 1990

DPTO: CUNDINAMARCA LATITUD: 05° 27'N LONGITUD: 74° 24'W  
 MPIO: LA PALMA ALTITUD : 1250 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	2.0	0.0	0.0	5.0	2.0	1.0	0.0	0.0	12.0	32.0	6.0	0.0	
2	0.0	0.0	0.0	0.0	21.0	10.0	3.0	0.0	0.0	13.0	9.0	4.5	
3	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	1.0	13.0	.8	
4	6.0	24.0	15.0	0.0	2.0	8.0	0.0	0.0	0.0	17.0	26.0	3.8	
5	1.0	7.0	34.0	26.0	22.0	0.0	0.0	0.0	0.0	12.0	5.0	3.0	
6	15.0	2.0	9.0	3.0	12.0	0.0	0.0	0.0	1.0	26.0	0.0	1.2	
7	4.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	2.0	1.0	0.0	3.2	
8	21.0	27.0	0.0	2.0	0.0	0.0	1.0	0.0	0.0	12.0	0.0	.2	
9	0.0	5.0	0.0	0.0	9.0	53.0	8.0	0.0	6.0	10.0	2.0	1.4	
10	3.0	0.0	0.0	0.0	26.0	9.0	3.0	0.0	4.0	5.0	0.0	0.0	
11	1.0	0.0	0.0	0.0	15.0	1.0	2.0	0.0	0.0	48.0	0.0	0.0	
12	5.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	
13	0.0	8.0	0.0	30.0	0.0	4.0	0.0	0.0	5.0	6.0	4.0	0.0	
14	0.0	0.0	0.0	6.0	2.0	8.0	0.0	24.0	0.0	3.0	0.0	2.0	
15	28.0	0.0	0.0	14.0	0.0	0.0	0.0	38.0	0.0	41.0	0.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	18.0	5.0	.1	
17	0.0	0.0	44.0	7.0	0.0	0.0	22.0	0.0	0.0	9.0	4.0	0.0	
18	0.0	4.0	1.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	
19	0.0	11.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	
20	0.0	24.0	1.0	5.0	0.0	0.0	11.0	0.0	3.0	7.0	4.0	1.2	
21	0.0	5.0	4.0	4.0	0.0	0.0	2.0	0.0	21.0	9.0	5.0	0.0	
22	0.0	2.0	15.0	0.0	0.0	0.0	38.0	0.0	14.0	8.0	0.0	0.0	
23	0.0	0.0	7.0	28.0	0.0	0.0	0.0	0.0	5.0	1.0	3.0	0.0	
24	0.0	2.0	3.0	16.0	0.0	0.0	0.0	0.0	10.0	0.0	22.0	0.0	
25	0.0	0.0	10.0	10.0	3.0	0.0	0.0	36.0	1.0	4.0	0.0	.2	
26	6.0	0.0	3.0	1.0	0.0	0.0	0.0	0.0	43.0	11.0	14.0	1.2	
27	0.0	0.0	0.0	20.0	0.0	0.0	0.0	15.0	0.0	15.0	0.0	1.4	
28	0.0	0.0	0.0	5.0	7.0	0.0	0.0	5.0	0.0	1.0	0.0	1.5	
29	12.0	0.0	0.0	3.0	35.0	0.0	0.0	0.0	0.0	27.0	10.0	1.9	
30	2.0	0.0	0.0	10.0	3.0	0.0	0.0	9.0	7.0	0.0	0.0	.2	
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	28.0	
TOTAL	106.0	121.0	165.0	227.0	160.0	94.0	98.0	143.0	134.0	359.0	140.0	55.8	ANUAL
DIAS LLUVIA	13	12	13	20	14	8	11	7	14	27	16	18	1802.8

PUESTO: EL PARAISO  
 AÑO : 1990

DPTO: CUNDINAMARCA LATITUD: 05° 17'N LONGITUD: 74° 31'W  
 MPIO: CAPARRAPI ALTITUD : 1450 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	30.0	
2	0.0	15.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	8.0	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	
4	0.0	0.0	6.0	12.0	0.0	0.0	0.0	0.0	0.0	27.0	0.0	15.0	
5	0.0	0.0	4.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	27.0	0.0	
6	10.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	0.0	23.0	
7	0.0	0.0	0.0	0.0	20.0	12.0	10.0	0.0	0.0	0.0	0.0	0.0	
8	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	20.0	0.0	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	27.0	
10	0.0	0.0	0.0	20.0	32.0	0.0	0.0	0.0	0.0	40.0	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	26.0	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	0.0	0.0	0.0	0.0	0.0	3.0	8.0	0.0	0.0	
14	0.0	0.0	0.0	25.0	0.0	0.0	0.0	3.0	0.0	42.0	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	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	
17	0.0	20.0	60.0	8.0	0.0	0.0	0.0	0.0	0.0	25.0	34.0	0.0	
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	
19	0.0	20.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	20.0	0.0	0.0	
21	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	
22	0.0	0.0	35.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23	0.0	0.0	5.0	0.0	37.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	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	0.0	25.0	
26	0.0	0.0	0.0	10.0	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	11.0	0.0	0.0	5.0	0.0	0.0	0.0	15.0	
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0	0.0	22.0	0.0	10.0	
29	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	20.0	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	20.0	0.0	
31	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	
TOTAL	36.0	55.0	125.0	152.0	130.0	20.0	42.0	62.0	13.0	276.0	99.0	149.0	ANUAL
DIAS LLUVIA	2	3	6	8	7	2	5	5	2	13	5	8	1159.0

PUESTO: LA FLORIDA  
 AÑO : 1990

DPTO: CUNDINAMARCA LATITUD: 05° 05'N LONGITUD: 74° 18'W  
 MPIO: VERGARA ALTITUD : 1400 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	8.0	0.0	0.0	5.0	50.0	0.0	0.0	0.0	0.0	10.0	33.0	0.0	
2	0.0	3.0	0.0	4.0	37.0	0.0	0.0	0.0	3.0	0.0	75.0	14.0	
3	0.0	0.0	10.0	10.0	4.0	5.0	0.0	0.0	13.0	0.0	34.0	0.0	
4	17.0	14.0	0.0	45.0	0.0	0.0	0.0	0.0	0.0	1.0	95.0	0.0	
5	29.0	0.0	0.0	2.0	25.0	0.0	0.0	0.0	0.0	0.0	13.0	35.0	
6	12.0	23.0	4.0	0.0	6.0	0.0	0.0	0.0	5.0	15.0	0.0	7.0	
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	11.0	
8	0.0	15.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9	5.0	0.0	0.0	0.0	9.0	0.0	28.0	0.0	10.0	10.0	0.0	0.0	
10	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	
11	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.0	0.0	4.0	
12	5.0	18.0	35.0	7.0	6.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	
13	0.0	0.0	0.0	37.0	0.0	0.0	0.0	7.0	1.0	0.0	0.0	0.0	
14	9.0	7.0	0.0	4.0	2.0	5.0	0.0	0.0	0.0	2.0	0.0	0.0	
15	0.0	0.0	0.0	1.0	0.0	0.0	0.0	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	0.0	0.0	
17	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	7.0	57.0	0.0	
18	0.0	4.0	4.0	8.0	0.0	0.0	0.0	0.0	28.0	0.0	2.0	0.0	
19	0.0	20.0	23.0	0.0	0.0	0.0	0.0	0.0	35.0	0.0	1.0	0.0	
20	0.0	5.0	0.0	9.0	0.0	0.0	8.0	0.0	0.0	21.0	15.0	0.0	
21	0.0	50.0	46.0	2.0	0.0	0.0	0.0	0.0	0.0	30.0	8.0	0.0	
22	0.0	0.0	10.0	13.0	5.0	0.0	0.0	0.0	33.0	10.0	1.0	0.0	
23	0.0	0.0	9.0	39.0	1.0	0.0	0.0	0.0	0.0	2.0	0.0	25.0	
24	0.0	0.0	0.0	8.0	3.0	0.0	1.0	0.0	1.0	3.0	0.0	20.0	
25	7.0	0.0	8.0	34.0	0.0	0.0	0.0	0.0	0.0	42.0	55.0	0.0	
26	0.0	0.0	5.0	0.0	0.0	0.0	0.0	13.0	9.0	4.0	4.0	14.0	
27	0.0	0.0	0.0	5.0	0.0	0.0	0.0	2.0	4.0	11.0	0.0	1.0	
28	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	30.0	0.0	30.0	
29	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	
30	0.0	0.0	4.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.0	
31	0.0	0.0	3.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	51.0	
TOTAL	119.0	159.0	209.0	261.0	152.0	10.0	46.0	33.0	142.0	299.0	393.0	247.0	ANUAL
DIAS LLUVIA	10	10	14	18	12	2	4	4	11	21	13	13	2070.0
													132

PUESTO: ICALI  
 AÑO : 1990

DPTO: CUNDINAMARCA LATITUD: 04° 57'N LONGITUD: 74° 25'W  
 MPIO: SASAIMA ALTITUD : 1300 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	22.0	0.0	1.0		37.0	8.0	0.0	0.0	0.0	8.0	52.0	0.0	
2	0.0	20.0	0.0		52.0	0.0	0.0	0.0	0.0	7.0	2.0	31.5	
3	0.0	0.0	0.0		4.0	0.0	0.0	0.0	0.0	2.0	58.0	117.0	
4	16.0	20.0	22.0		2.0	0.0	0.0	0.0	0.0	19.0	17.0	14.5	
5	22.0	15.0	0.0		18.0	0.0	0.0	0.0	0.0	4.0	52.0	60.0	
6	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	5.0	2.0	15.0	
7	0.0	2.5	0.0		0.0	0.0	0.0	0.0	0.0	41.0	0.0	0.0	
8	30.0	3.0	0.0		0.0	0.0	3.0	0.0	0.0	3.5	0.0	0.0	
9	29.0	22.0	0.0		31.0	3.0	27.0	0.0	4.0	12.0	0.0	0.0	
10	0.0	2.0	0.0		28.0	11.5	1.0	0.0	0.0	22.5	0.0	0.0	
11	21.0	1.0	0.0		2.0	2.0	0.0	0.0	0.0	12.5	0.0	0.0	
12	8.0	6.0	0.0		0.0	0.0	0.0	0.0	0.0	27.5	0.0	0.0	
13	11.0	0.0	0.0		5.0	6.5	0.0	3.5	5.5	0.0	0.0	0.0	
14	20.0	10.0	0.0		0.0	0.0	0.0	0.0	0.0	12.5	0.0	0.0	
15	0.0	0.0	0.0		0.0	20.0	0.0	4.5	0.0	12.0	0.0	0.0	
16	68.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17	0.0	15.0	0.0		0.0	0.0	2.5	0.0	0.0	63.0	19.0	0.0	
18	0.0	5.0	0.0		0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	
19	0.0	1.0	27.0		0.0	0.0	0.0	0.0	0.0	65.0	10.0	0.0	
20	0.0	5.0	1.0		4.5	0.0	0.0	0.0	7.5	8.0	0.0	0.0	
21	0.0	0.0	13.0		0.0	0.0	1.0	0.0	13.5	2.0	8.0	3.0	
22	0.0	28.0	9.0		0.0	0.0	0.0	0.0	5.5	1.5	0.0	6.0	
23	0.0	0.0	33.0		0.0	0.0	0.0	0.0	0.0	14.0	0.0	28.0	
24	0.0	0.0	0.0		0.0	13.5	0.0	0.0	6.0	0.0	14.0	3.0	
25	0.0	0.0	3.5		0.0	0.0	0.0	12.0	5.0	1.0	13.0	0.0	
26	0.0	0.0	0.0		6.0	0.0	0.0	4.5	0.0	0.0	4.5	8.0	
27	0.0	4.0	14.0		4.0	0.0	0.0	0.0	3.5	10.0	0.0	0.0	
28	0.0	9.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.5	
29	0.0	0.0	0.0		20.0	0.0	0.0	0.0	0.0	0.0	28.0	6.0	
30	0.0	0.0	6.0		16.0	0.0	0.0	22.0	5.0	0.0	4.0	0.0	
31	0.0	0.0	0.0		0.0	0.0	0.0	7.5	0.0	4.0	0.0	6.0	
TOTAL	247.0	168.5	129.5		229.5	64.5	36.5	54.0	55.5	357.0	283.5	334.5	ANUAL
DIAS LLUVIA	10	17	10		14	7	6	6	9	23	14	13	

PUESTO: SAN JUAN  
AÑO : 1990

DPTO: CUNDINAMARCA LATITUD: 04° 51'N LONGITUD: 74° 37'W  
MPIO: SAN JUAN DE RIOSECO ALTITUD : 1300 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	9.5	0.0	25.8	0.0	0.0	10.1	0.0	0.0	15.5	0.0	0.0	
2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.6	0.0	20.2	
3	0.0	2.3	0.0	0.0	1.1	0.0	0.0	0.0	0.0	8.4	0.0	40.3	
4	4.2	15.1	32.8	10.1	28.4	0.0	0.0	0.0	0.0	38.6	0.0	30.2	
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.6	0.0	50.7	
6	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	0.0	10.1	
7	0.0	0.0	0.0	0.0	10.1	49.3	0.0	0.0	0.0	0.0	0.0	5.1	
8	10.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.2	5.2	0.0	
9	15.1	0.0	0.0	0.0	0.0	0.0	10.9	0.0	0.0	0.0	0.0	0.0	
10	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	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	5.1	3.1	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	9.6	18.1	13.1	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	10.3	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	2.3	
16	1.1	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	
17	0.0	0.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	117.2	0.0	
18	0.0	22.6	5.4	0.0	0.0	0.0	0.0	0.0	2.1	10.1	7.3	0.0	
19	0.0	0.0	0.0	0.0	13.2	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	5.2	0.0	0.0	0.0	
21	0.0	0.0	1.1	22.1	0.0	0.0	0.0	0.0	30.6	0.0	35.7	0.0	
22	0.0	11.2	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	5.5	0.0	
23	0.0	0.0	17.3	20.2	0.0	0.0	0.0	0.0	0.0	15.5	0.0	0.0	
24	1.1	0.0	0.0	0.0	1.1	0.0	0.0	5.2	0.0	10.1	0.0	0.0	
25	0.0	0.0	0.0	10.1	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	
26	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	
27	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	12.1	0.0	0.0	0.0	10.7	0.0	10.1	5.6	10.1	
29	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	5.2	10.2	60.3	
30	0.0	0.0	0.0	0.0	0.0	.7	0.0	9.2	0.0	0.0	10.3	40.6	
31	0.0		46.4		0.0		0.0	0.0		11.2		4.3	
TOTAL	63.4	66.9	109.7	112.2	72.0	63.1	21.0	43.6	37.9	193.8	197.0	274.2	ANUAL
DIAS LLUVIA	10	7	6	9	6	3	2	6	3	16	8	11	1254.8

PUESTO: EL REFUGIO  
AÑO : 1990

DPTO: CUNDINAMARCA LATITUD: 04° 42'N LONGITUD: 74° 26'W  
MPIO: LA MESA ALTITUD : 1250 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	19.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	45.0			
2	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	7.0	15.0			
3	10.0	0.0	3.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0			
4	2.0	0.0	0.0	0.0	24.0	0.0	0.0	0.0	0.0	32.0			
5	0.0	35.0	6.0	4.0	34.0	0.0	0.0	0.0	3.0	0.0			
6	4.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0			
7	3.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
8	6.0	30.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
9	0.0	0.0	4.0	7.0	0.0	24.0	0.0	0.0	0.0	28.0			
10	0.0	50.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0			
11	0.0	18.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0			
12	12.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	4.0	14.0			
13	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0			
14	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	34.0			
15	0.0	0.0	0.0	10.0	10.0	4.0	0.0	0.0	8.0	0.0			
16	0.0	8.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	9.0			
17	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
18	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0			
19	0.0	2.0	0.0	0.0	0.0	1.0	3.0	0.0	0.0	0.0			
20	0.0	5.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	4.0			
21	0.0	9.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0			
22	0.0	1.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0			
23	0.0	0.0	4.0	6.0	6.0	0.0	2.0	0.0	0.0	26.0			
24	0.0	0.0	6.0	9.0	0.0	11.0	0.0	0.0	0.0	40.0			
25	0.0	0.0	0.0	12.0	0.0	0.0	4.0	0.0	0.0	0.0			
26	0.0	0.0	15.0	7.0	0.0	3.0	0.0	0.0	0.0	15.0			
27	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	6.0	25.0			
28	0.0	0.0	0.0	4.0	0.0	6.0	0.0	0.0	16.0	12.0			
29	0.0	0.0	0.0	0.0	0.0	0.0	33.0	0.0	0.0	18.0			
30	0.0	0.0	0.0	24.0	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			
TOTAL	56.0	187.0	117.0	108.0	152.0	49.0	51.0	0.0	44.0	353.0			ANUAL
DIAS LLUVIA	7	12	11	13	10	6	5	0	6	18			

PUESTO: EL PORVENIR  
ANO : 1990

DPTO: CUNDINAMARCA LATITUD: 04° 32'N LONGITUD: 74° 28'W  
MPIO: EL COLEGIO ALTITUD : 1350 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9	14.3	
2	0.0	28.3	0.0	0.0	26.1	0.0	0.0	0.0	14.2	0.0	33.0	8.6	
3	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	23.7	
4	0.0	56.4	14.5	0.0	0.0	0.0	0.0	0.0	0.0	25.1	0.0	0.0	
5	0.0	0.0	0.0	0.0	40.6	0.0	0.0	0.0	0.0	0.0	27.2	0.0	
6	18.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	26.8	0.0	27.3	
7	0.0	10.8	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	
8	0.0	0.0	0.0	0.0	0.0	0.0	13.2	0.0	0.0	0.0	8.3	6.3	
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	12.5	75.9	5.8	6.8	5.9	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	24.8	0.0	0.0	
12	0.0	70.3	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	
13	24.6	0.0	0.0	0.0	51.9	25.6	0.0	0.0	4.4	0.0	0.0	0.0	
14	0.0	9.7	0.0	0.0	0.0	0.0	0.0	2.9	0.0	15.2	0.0	0.0	
15	0.0	23.6	0.0	39.7	0.0	0.0	7.5	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	4.1	0.0	0.0	
17	0.0	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	43.2	0.0	
18	0.0	7.2	73.8	0.0	0.0	0.0	0.0	0.0	0.0	30.8	0.0	0.0	
19	0.0	48.7	0.0	0.0	0.0	0.0	5.2	0.0	0.0	8.7	0.0	0.0	
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.8	0.0	0.0	
21	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	3.6	13.7	0.0	0.0	
22	0.0	23.0	0.0	6.9	9.6	0.0	2.6	0.0	0.0	3.8	0.0	0.0	
23	0.0	0.0	0.0	0.0	2.6	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	14.8	0.0	
25	16.7	0.0	24.9	19.7	0.0	0.0	0.0	0.0	0.0	0.0	18.6	57.1	
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	12.6	0.0	0.0	5.0	7.5	0.0	0.0	0.0	0.0	
29	0.0	0.0	0.0	0.0	11.2	0.0	0.0	0.0	0.0	20.5	5.3	0.0	
30	0.0	0.0	52.9	0.0	0.0	0.0	0.0	0.0	34.7	1.4	0.0	14.3	
31	0.0	0.0	13.3	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	
TOTAL	78.5	295.4	179.4	81.0	157.8	105.0	42.0	20.7	65.8	203.7	169.3	151.6	ANUAL
DIAS LLUVIA	4	10	5	5	8	3	7	4	7	14	8	7	1550.2 82

PUESTO: PINAR DEL RIO  
ANO : 1990

DPTO: CUNDINAMARCA LATITUD: 04° 27'N LONGITUD: 74° 23'W  
MPIO: SILVANIA ALTITUD : 1750 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	85.0	0.0	29.0	0.0	2.0	1.0	0.0	0.0	0.0	15.0	30.0	0.0	
2	0.0	1.0	4.0	2.0	15.0	0.0	0.0	0.0	23.0	0.0	5.0	0.0	
3	0.0	0.0	0.0	11.0	2.0	0.0	0.0	3.0	3.0	2.0	11.0	3.0	
4	1.0	78.0	0.0	1.0	5.0	1.0	14.0	0.0	0.0	0.0	9.0	9.0	
5	0.0	25.0	2.0	5.0	16.0	0.0	4.0	0.0	0.0	0.0	0.0	12.0	
6	11.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	8.0	
7	1.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	20.0	
8	0.0	1.0	4.0	0.0	1.0	0.0	0.0	1.0	1.0	1.0	0.0	3.0	
9	0.0	0.0	0.0	0.0	0.0	12.0	5.0	0.0	0.0	10.0	4.0	0.0	
10	0.0	20.0	2.0	0.0	0.0	5.0	1.0	2.0	0.0	7.0	7.0	2.0	
11	0.0	2.0	4.0	0.0	4.0	20.0	3.0	0.0	1.0	26.0	0.0	8.0	
12	0.0	41.0	0.0	0.0	5.0	5.0	0.0	0.0	0.0	9.0	0.0	2.0	
13	0.0	0.0	0.0	0.0	1.0	3.0	0.0	27.0	0.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	8.0	3.0	0.0	0.0	0.0	0.0	3.0	0.0	4.0	
15	0.0	10.0	0.0	13.0	0.0	5.0	0.0	17.0	0.0	0.0	0.0	1.0	
16	0.0	3.0	0.0	2.0	2.0	1.0	8.0	0.0	0.0	14.0	1.0	0.0	
17	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	1.0	14.0	6.0	
18	0.0	0.0	24.0	2.0	1.0	0.0	0.0	0.0	2.0	4.0	2.0	25.0	
19	0.0	10.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	
20	4.0	1.0	2.0	1.0	0.0	1.0	0.0	0.0	1.0	30.0	19.0	3.0	
21	2.0	14.0	25.0	0.0	10.0	0.0	0.0	0.0	40.0	0.0	9.0	0.0	
22	0.0	1.0	0.0	7.0	15.0	0.0	1.0	0.0	1.0	2.0	2.0	0.0	
23	0.0	0.0	14.0	2.0	8.0	0.0	3.0	0.0	0.0	10.0	41.0	0.0	
24	0.0	0.0	1.0	6.0	3.0	0.0	0.0	0.0	0.0	1.0	2.0	11.0	
25	0.0	3.0	8.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	
26	23.0	0.0	15.0	0.0	3.0	0.0	0.0	10.0	10.0	0.0	7.0	12.0	
27	0.0	2.0	0.0	5.0	0.0	2.0	0.0	0.0	0.0	1.0	0.0	0.0	
28	0.0	0.0	0.0	10.0	9.0	0.0	0.0	2.0	2.0	0.0	0.0	6.0	
29	0.0	0.0	0.0	1.0	24.0	3.0	0.0	10.0	10.0	44.0	1.0	0.0	
30	0.0	0.0	1.0	10.0	0.0	0.0	0.0	0.0	7.0	3.0	8.0	2.0	
31	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	7.0	
TOTAL	127.0	212.0	159.0	92.0	126.0	59.0	48.0	72.0	101.0	197.0	176.0	147.0	ANUAL
DIAS LLUVIA	7	15	16	18	20	12	9	8	12	20	18	21	1516.0 176

PUESTO: EL ALBA  
 AÑO : 1990

DPTO: HUILA  
 MPIO: BARAYA

LATITUD: 03° 08'N LONGITUD: 74° 58'W  
 ALTITUD : 1480 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	0.0	9.5	0.0	20.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	30.0	12.0		
3	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
4	0.0	21.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
5	0.0	10.0	0.0	9.5	30.0	0.0	0.0	0.0	0.0	0.0	0.0		
6	0.0	5.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	10.0	0.0		
7	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	12.0	0.0		
8	0.0	10.0	0.0	0.0	0.0	20.0	0.0	8.0	0.0	6.0	0.0		
9	0.0	0.0	0.0	0.0	0.0	13.0	10.0	0.0	0.0	5.0	0.0		
10	0.0	0.0	6.5	3.0	0.0	0.0	10.0	0.0	0.0	3.0	0.0		
11	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	4.0	0.0		
12	0.0	0.0	0.0	0.0	10.0	14.0	0.0	0.0	0.0	0.0	0.0		
13	0.0	0.0	0.0	12.0	6.0	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	2.0	0.0		
15	0.0	18.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0		
16	0.0	20.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0	12.0	0.0		
17	0.0	10.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0		
18	0.0	0.0	0.0	0.0	17.0	0.0	0.0	0.0	0.0	0.0	3.0		
19	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	6.5	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	3.0	0.0	0.0	0.0	0.0	12.0	0.0		
22	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	30.0	8.0		
23	0.0	0.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	80.0		
24	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0		
25	0.0	0.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
26	0.0	15.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	13.5	0.0		
27	0.0	0.0	0.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
28	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0		
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0		
30	0.0	0.0	6.0	40.0	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	9.0	0.0		
TOTAL	0.0	115.5	127.0	144.0	114.0	49.0	23.0	23.0	0.0	176.5	151.0		ANUAL
DIAS LLUVIA	0	9	8	8	10	4	3	3	0	14	8		

PUESTO: CORRALES  
 AÑO : 1990

DPTO: HUILA  
 MPIO: TERUEL

LATITUD: 02° 43'N LONGITUD: 75° 33'W  
 ALTITUD : 1450 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	1.0	0.0	5.0	6.0	
3	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	10.0	1.0	
4	0.0	0.0	0.0	12.0	20.0	0.0	0.0	0.0	0.0	26.0	27.0	0.0	
5	14.0	11.0	2.0	37.0	39.0	0.0	1.0	0.0	0.0	20.0	19.0	0.0	
6	11.0	0.0	0.0	3.0	2.0	0.0	0.0	0.0	0.0	28.0	0.0	0.0	
7	6.0	0.0	9.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	
8	10.0	47.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	
9	0.0	0.0	0.0	0.0	10.0	0.0	20.0	1.0	0.0	41.0	0.0	5.0	
10	0.0	0.0	0.0	0.0	24.0	15.0	29.0	0.0	2.0	0.0	0.0	13.0	
11	0.0	29.0	0.0	0.0	1.0	0.0	3.0	0.0	0.0	17.0	0.0	2.0	
12	21.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	6.0	
13	19.0	2.0	0.0	0.0	1.0	4.0	0.0	0.0	2.0	32.0	0.0	0.0	
14	0.0	0.0	2.0	0.0	39.0	2.0	0.0	0.0	0.0	10.0	0.0	4.0	
15	0.0	6.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	
16	0.0	0.0	0.0	1.0	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	7.0	0.0	
18	0.0	3.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	5.0	0.0	
19	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20	0.0	2.0	0.0	9.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21	0.0	1.0	3.0	0.0	2.0	0.0	0.0	11.0	0.0	2.0	3.0	8.0	
22	0.0	0.0	8.0	50.0	1.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	
23	15.0	0.0	2.0	9.0	0.0	15.0	0.0	0.0	0.0	27.0	4.0	0.0	
24	0.0	0.0	37.0	16.0	0.0	15.0	0.0	7.0	22.0	0.0	9.0	14.0	
25	0.0	0.0	80.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
26	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	
27	0.0	4.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	3.0	
28	0.0	33.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	10.0	0.0	5.0	
29	0.0	0.0	0.0	26.0	0.0	0.0	5.0	4.0	33.0	2.0	24.0	0.0	
30	0.0	0.0	9.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	6.0	10.0	
31	0.0	0.0	14.0	7.0	0.0	0.0	0.0	11.0	11.0	12.0	4.0	1.0	
TOTAL	119.0	157.0	173.0	200.0	175.0	56.0	66.0	42.0	71.0	284.0	123.0	82.0	ANUAL
DIAS LLUVIA	8	13	11	11	14	6	7	6	6	18	12	15	1548.0 127



PUESTO: GUAYABAL  
ANO : 1990

DPTO: HUILA  
MPIO: ALGECIRAS

LATITUD: 02° 33'N LONGITUD: 75° 15'W  
ALTITUD : 1460 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	13.0	0.0	10.0	9.0	8.0	0.0	4.0	0.0	0.0	0.0			
2	33.0	0.0	0.0	5.0	14.0	0.0	3.0	0.0	0.0	0.0			
3	40.0	0.0	0.0	86.0	0.0	4.2	0.0	0.0	0.0	0.0			
4	0.0	0.0	0.0	6.0	0.0	0.0	17.5	0.0	0.0	0.0			
5	67.0	0.0	0.0	22.0	0.0	0.0	14.0	0.0	0.0	0.0			
6	11.1	0.0	0.0	2.0	0.0	1.2	5.0	0.0	0.0	0.0			
7	9.0	9.0	0.0	4.0	10.0	0.0	0.0	0.0	0.0	12.1			
8	10.0	1.0	0.0	0.0	9.0	0.0	10.0	9.2	0.0	0.0			
9	0.0	6.0	0.0	0.0	1.0	11.0	0.0	3.0	1.0	0.0			
10	21.0	16.0	0.0	0.0	9.0	0.0	30.0	0.0	1.2	1.9			
11	3.0	0.0	10.0	0.0	7.8	0.0	9.0	0.0	0.0	0.0			
12	4.0	9.5	11.1	1.0	8.2	4.2	30.0	0.0	0.0	6.0			
13	1.6	10.4	12.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0			
14	15.0	0.0	0.0	0.0	0.0	4.5	3.0	0.0	15.4	75.0			
15	16.0	0.0	4.0	0.0	10.0	3.6	19.0	0.0	0.0	0.0			
16	0.0	26.0	5.0	1.0	8.0	0.0	5.0	0.0	0.0	0.0			
17	0.0	0.0	2.0	13.0	10.0	8.0	0.0	2.1	0.0	2.1			
18	0.0	4.0	11.0	8.0	1.0	0.0	5.9	0.0	0.0	6.3			
19	0.0	53.0	6.0	2.0	19.0	0.0	0.0	0.0	1.0	0.0			
20	1.1	0.0	10.0	3.0	11.0	0.0	0.0	0.0	0.0	1.3			
21	14.0	0.0	0.0	0.0	1.0	1.4	5.0	16.2	0.0	6.2			
22	0.0	0.0	4.0	1.0	70.0	0.0	15.3	0.0	0.0	1.1			
23	0.0	6.0	2.0	5.2	24.0	1.0	0.0	0.0	0.0	15.2			
24	20.0	0.0	0.0	0.0	58.0	0.0	0.0	0.0	0.0	14.1			
25	2.4	46.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	13.8			
26	1.1	3.0	8.0	1.0	0.0	0.0	0.0	0.0	0.0	10.0			
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1			
28	0.0	2.0	0.0	0.0	0.0	0.0	3.0	6.2	1.0	1.0			
29	11.0	0.0	0.0	0.0	0.0	1.5	1.9	0.0	0.0	11.0			
30	3.1	0.0	8.0	1.0	1.0	0.0	0.0	0.0	2.0	11.5			
31	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
TOTAL	296.4	191.9	114.1	170.2	288.0	44.3	180.6	36.7	21.6	197.7			ANUAL
DIAS LLUVIA	20	13	15	17	20	11	17	5	6	17			

PUESTO: LA PRIMAVERA  
ANO : 1990

DPTO: HUILA  
MPIO: GIGANTE

LATITUD: 02° 16'N LONGITUD: 75° 31'W  
ALTITUD : 1400 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0		.5	.7	1.7					0.0	3.0	.3	
2	0.0	45.5	3.0	1.0						0.0	9.0	64.4	
3	0.0	0.0	2.9	0.0						1.2	8.9	0.0	
4	0.0	3.7	3.7	.4						0.0	8.3	16.5	
5	.5	29.6	0.0	24.6						0.0	5.4	8.2	
6	24.5	4.9	0.0	1.3						5.7	0.0	6.0	
7	16.0	0.0	0.0	0.0						2.8	0.0	1.8	
8	0.0	26.0	6.1	0.0						.7	0.0	0.0	
9	3.4	8.6	6.5	.3						2.8	3.1	0.0	
10	24.5	0.0	.3	1.6						15.5	0.0	0.0	
11	43.6	17.7	.8	2.2						0.0	0.0	0.0	
12	.4	5.5	0.0	3.8						1.2	0.0	26.4	
13	6.1	0.0	6.8	0.0						0.0	0.0	0.0	
14	0.0	0.0	3.0	5.2						.7	0.0	0.0	
15	0.0	0.0	4.7	10.0						3.1	1.5	0.0	
16	0.0	3.4	0.0	0.0						0.0	0.0	0.0	
17	0.0	28.1	0.0	4.7						5.2	0.0	0.0	
18	0.0	1.0	1.8	1.5						46.6	5.6	5.7	
19	0.0	2.2	0.0	7.2						0.0	0.0	.4	
20	4.1	2.1	1.3	0.0						3.6	0.0	.3	
21	1.0	3.8	0.0	6.7						3.2	0.0	0.0	
22	.6	17.2	0.0	1.3						2.3	4.0	1.8	
23	0.0	0.0	0.0	11.0						2.9	20.0	1.8	
24	0.0	0.0	6.3	6.9						19.1	1.3	19.2	
25	1.7	0.0	41.3	.4						0.0	3.8	1.8	
26	0.0	0.0	0.0	0.0						0.0	23.2	1.4	
27	0.0	0.0	0.0	0.0						1.0	2.2	0.0	
28	0.0	.8	0.0	11.0						0.0	0.0	0.0	
29	0.0	0.0	1.0	3.1						0.0	10.0	1.0	
30	0.0	0.0	1.8	1.4						6.0	8.5	.5	
31	0.0	0.0	7.0							0.0		0.0	
TOTAL	126.4	200.6	99.0	107.3						123.6	117.8	157.5	ANUAL
DIAS LLUVIA	12	17	18	22						18	16	17	

PUESTO: VILLA CONSUELO  
 AÑO : 1990

DPTO: HUILA  
 MPIO: GARZON

LATITUD: 02° 12'N LONGITUD: 75° 34'W  
 ALTITUD : 1450 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC
1	1.0	2.0	30.0	3.0			8.0	0.0	0.0	0.0	1.0	1.0
2	0.0	77.0	0.0	0.0			2.0	0.0	9.0	1.0	5.0	46.0
3	0.0	0.0	0.0	1.0			5.0	0.0	1.0	0.0	4.0	0.0
4	0.0	8.0	3.0	0.0			12.0	12.0	3.0	0.0	5.0	8.0
5	0.0	46.0	0.0	10.0			2.0	1.0	0.0	10.0	1.0	41.0
6	6.0	7.0	0.0	1.0			0.0	0.0	4.0	11.0	0.0	0.0
7	2.0	0.0	0.0	0.0			0.0	0.0	1.0	0.0	0.0	5.0
8	20.0	10.0	10.0	0.0			0.0	0.0	0.0	5.0	0.0	0.0
9	0.0	35.0	13.0	0.0			5.0	5.0	1.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0			6.0	0.0	0.0	15.0	1.0	0.0
11	0.0	21.0	3.0	2.0			0.0	0.0	0.0	2.0	0.0	0.0
12	0.0	2.0	1.0	0.0			7.0	0.0	0.0	1.0	0.0	0.0
13	7.0	0.0	3.0	3.0			0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	7.0	7.0			0.0	1.0	3.0	5.0	0.0	0.0
15	0.0	0.0	0.0	3.0			1.0	2.0	0.0	0.0	3.0	0.0
16	0.0	40.0	1.0	5.0			0.0	0.0	0.0	5.0	0.0	2.0
17	0.0	12.0	7.0	4.0			1.0	0.0	0.0	18.0	2.0	0.0
18	0.0	0.0	4.0	24.0			3.0	0.0	0.0	35.0	25.0	0.0
19	0.0	7.0	0.0	3.0			0.0	0.0	5.0	10.0	5.0	0.0
20	0.0	0.0	2.0	2.0			0.0	1.0	0.0	5.0	0.0	1.0
21	0.0	0.0	0.0	0.0			0.0	3.0	2.0	10.0	0.0	9.0
22	0.0	0.0	0.0	1.0			22.0	2.0	0.0	1.0	14.0	5.0
23	1.0	0.0	0.0	25.0			1.0	1.0	0.0	2.0	19.0	0.0
24	0.0	0.0	1.0	1.0			0.0	0.0	0.0	14.0	4.0	6.0
25	2.0	0.0	11.0	3.0			0.0	0.0	0.0	0.0	9.0	7.0
26	22.0	0.0	1.0	1.0			0.0	0.0	0.0	0.0	4.0	0.0
27	0.0	0.0	0.0	0.0			0.0	0.0	0.0	2.0	1.0	0.0
28	0.0	0.0	0.0	14.0			0.0	15.0	0.0	1.0	0.0	0.0
29	0.0	0.0	0.0	6.0			9.0	0.0	0.0	0.0	0.0	7.0
30	0.0	0.0	21.0	0.0			1.0	0.0	0.0	0.0	10.0	1.0
31	0.0	0.0	2.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	61.0	267.0	120.0	119.0			85.0	43.0	29.0	153.0	113.0	139.0
DIAS LLUVIA	8	12	17	20			15	10	9	19	17	13

ANUAL

PUESTO: CONCENTRACION DESARROLLO  
 AÑO : 1990

DPTO: HUILA  
 MPIO: TIMANA

LATITUD: 01° 58'N LONGITUD: 75° 56'W  
 ALTITUD : 1080 m.

DIA	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	4.0	0.0	0.0	0.0
2	0.0	6.0	7.0	10.0	18.0	6.0	10.0	0.0	0.0	17.0	16.5	12.0
3	0.0	0.0	0.0	8.0	10.0	7.0	4.0	0.0	0.0	0.0	0.0	0.0
4	4.0	0.0	0.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
5	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	3.0	10.0	5.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0
7	0.0	18.0	0.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0
8	0.0	12.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	5.0	0.0	12.0
9	0.0	0.0	15.0	0.0	16.0	10.0	12.0	0.0	0.0	0.0	0.0	0.0
10	0.0	8.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	1.5	0.0	20.0	0.0	13.0	13.0	0.0	0.0	0.0	8.0	0.0	0.0
12	3.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
13	4.5	0.0	10.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0
14	3.5	6.0	18.0	0.0	2.5	0.0	0.0	2.0	0.0	6.5	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	2.0	24.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
17	0.0	20.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	8.0	11.0	0.0
18	0.0	0.0	0.0	15.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
19	0.0	0.0	0.0	8.0	0.0	4.0	8.0	8.0	0.0	16.0	0.0	0.0
20	0.0	0.0	8.0	0.0	0.0	0.0	0.0	13.0	0.0	12.0	0.0	0.0
21	8.0	0.0	0.0	0.0	2.5	0.0	0.0	6.5	0.0	10.0	10.0	8.0
22	0.0	0.0	0.0	10.0	0.0	3.0	18.0	25.0	0.0	15.0	0.0	0.0
23	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	32.0	12.0	0.0
24	0.0	0.0	12.0	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	12.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	8.0
26	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	10.0	0.0	10.0
27	0.0	0.0	7.0	10.0	1.0	10.0	0.0	0.0	0.0	0.0	0.0	12.0
28	0.0	0.0	0.0	6.0	0.0	0.0	0.0	13.5	5.0	0.0	4.0	0.0
29	0.0	0.0	0.0	0.0	0.0	4.0	7.0	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	12.0	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	29.5	119.0	102.0	109.0	111.0	67.0	79.0	68.0	23.0	139.5	59.5	106.0
DIAS LLUVIA	8	9	9	11	14	9	9	6	4	11	6	10

ANUAL  
 1012.5  
 106

PUESTO: MARINGA  
 AÑO : 1990

DPTO: META  
 MPIO: ACACIAS

LATITUD: 03° 58'N LONGITUD: 73° 36'W  
 ALTITUD : 380 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	0.0	0.0	16.0	47.0	11.0	2.5	0.0	0.0	1.0	0.0		
2	0.0	34.0	0.0	0.0	0.0	1.5	26.0	0.0	0.0	0.0	0.0		
3	0.0	14.0	18.0	10.0	0.0	12.0	11.0	0.0	0.0	0.0	0.0		
4	0.0	0.0	48.0	0.0	13.0	0.0	3.0	1.0	0.0	0.0	0.0		
5	0.0	10.0	22.5	28.0	23.5	0.0	0.0	2.0	0.0	0.0	0.0		
6	0.0	96.0	0.0	38.0	0.0	0.0	0.0	0.0	0.0	0.0	39.0		
7	0.0	9.0	1.0	2.0	28.0	0.0	0.0	1.0	87.0	0.0	2.0		
8	0.0	0.0	68.0	0.0	17.0	3.0	0.0	5.0	23.0	1.0	0.0		
9	0.0	0.0	15.5	0.0	22.5	52.0	0.0	1.0	0.0	2.0	0.0		
10	0.0	0.0	8.0	0.0	19.0	7.0	26.5	0.0	21.0	0.0	0.0		
11	0.0	0.0	3.0	0.0	10.0	19.0	33.5	0.0	6.5	0.0	3.0		
12	0.0	0.0	0.0	0.0	55.0	6.0	0.0	0.0	0.0	0.0	0.0		
13	0.0	0.0	0.0	42.0	23.0	1.0	0.0	0.0	0.0	24.0	0.0		
14	0.0	0.0	28.0	0.0	7.0	32.0	19.0	0.0	3.0	1.0	3.5		
15	0.0	0.0	0.0	47.5	0.0	19.0	58.0	0.0	0.0	0.0	6.0		
16	0.0	0.0	0.0	9.0	9.0	42.5	0.0	0.0	0.0	0.0	12.0		
17	0.0	0.0	25.0	13.5	0.0	0.0	0.0	0.0	0.0	0.0	49.0		
18	0.0	0.0	0.0	12.0	0.0	0.0	7.0	0.0	0.0	18.0	0.0		
19	4.0	0.0	0.0	0.0	12.0	32.5	0.0	0.0	0.0	0.0	0.0		
20	8.0	0.0	0.0	7.0	17.0	12.5	8.0	0.0	23.5	0.0	0.0		
21	3.0	0.0	0.0	0.0	49.0	9.0	11.0	0.0	3.5	5.0	2.0		
22	0.0	0.0	0.0	49.0	19.0	0.0	0.0	0.0	0.0	0.0	25.0		
23	4.0	0.0	0.0	11.0	3.5	28.0	0.0	0.0	0.0	54.0	7.0		
24	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0		
25	24.0	0.0	23.0	7.0	0.0	12.0	0.0	0.0	0.0	0.0	24.0		
26	0.0	0.0	0.0	0.0	11.5	52.0	0.0	0.0	0.0	0.0	1.5		
27	0.0	0.0	0.0	0.0	22.0	22.0	0.0	74.0	0.0	0.0	0.0		
28	0.0	0.0	0.0	9.0	114.0	9.0	3.0	0.0	0.0	0.0	2.5		
29	0.0	0.0	0.0	72.0	33.5	0.0	9.0	0.0	0.0	2.0	0.0		
30	0.0	0.0	0.0	4.0	12.0	50.5	13.0	0.0	1.5	0.0	0.0		
31	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	3.0	0.0		
TOTAL	50.0	163.0	260.0	377.0	576.5	433.5	230.5	84.0	169.0	111.0	185.5		ANUAL
DIAS LLUVIA	6	5	11	17	23	21	14	6	8	10	14		

PUESTO: LA ESPERANZA  
 AÑO : 1990

DPTO: QUINDIO  
 MPIO: FILANDIA

LATITUD: 04° 38'N LONGITUD: 75° 42'W  
 ALTITUD : 1700 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	1.0	0.0	0.0	0.0	5.0	0.0	0.0	1.0	1.0	2.0	0.0	
2	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	20.0	1.0	5.0	
3	1.0	39.0	0.0	60.0	0.0	0.0	0.0	0.0	0.0	19.0	1.0	10.0	
4	0.0	12.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	
5	1.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	2.0	4.0	
6	27.0	0.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0	1.0	5.0	0.0	
7	7.0	12.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	12.0	2.0	8.0	
8	5.0	1.0	1.0	11.0	5.0	0.0	2.0	0.0	0.0	7.0	0.0	0.0	
9	2.0	18.0	0.0	0.0	1.0	0.0	35.0	0.0	0.0	3.0	10.0	0.0	
10	13.0	7.0	0.0	0.0	0.0	0.0	1.0	0.0	5.0	6.0	1.0	3.0	
11	30.0	10.0	0.0	45.0	0.0	5.0	0.0	0.0	0.0	9.0	0.0	0.0	
12	10.0	5.0	15.0	0.0	5.0	35.0	17.0	0.0	0.0	5.0	2.0	1.0	
13	0.0	2.0	0.0	0.0	27.0	2.0	9.0	0.0	2.0	7.0	5.0	0.0	
14	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	
15	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	4.0	0.0	0.0	0.0	
16	0.0	19.0	2.0	14.0	0.0	0.0	28.0	0.0	0.0	0.0	0.0	0.0	
17	0.0	11.0	10.0	1.0	0.0	0.0	16.0	0.0	5.0	5.0	0.0	0.0	
18	0.0	1.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	7.0	0.0	50.0	
19	0.0	5.0	0.0	5.0	0.0	0.0	11.0	0.0	0.0	9.0	0.0	0.0	
20	0.0	0.0	0.0	28.0	0.0	0.0	0.0	0.0	1.0	2.0	25.0	0.0	
21	0.0	12.0	2.0	52.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	
22	0.0	0.0	10.0	0.0	0.0	40.0	0.0	0.0	1.0	1.0	2.0	13.0	
23	0.0	14.0	0.0	5.0	0.0	5.0	0.0	0.0	0.0	0.0	1.0	6.0	
24	0.0	5.0	12.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	
25	1.0	1.0	2.0	32.0	0.0	0.0	0.0	3.0	5.0	5.0	0.0	0.0	
26	0.0	6.0	28.0	0.0	0.0	0.0	0.0	10.0	20.0	3.0	1.0	2.0	
27	0.0	0.0	37.0	37.0	0.0	0.0	0.0	2.0	3.0	1.0	2.0	12.0	
28	0.0	1.0	0.0	0.0	2.0	0.0	0.0	1.0	10.0	0.0	1.0	12.0	
29	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	0.0	15.0	36.0	
30	0.0	0.0	50.0	0.0	2.0	5.0	0.0	0.0	55.0	1.0	0.0	3.0	
31	0.0	0.0	1.0	0.0	15.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	
TOTAL	97.0	182.0	191.0	315.0	64.0	99.0	122.0	17.0	126.0	146.0	85.0	175.0	ANUAL
DIAS LLUVIA	10	20	15	15	9	8	9	5	16	23	19	16	165

PUESTO: EL ROCIO  
 AÑO : 1990

DPTO: QUINDIO  
 MPIO: QUIMBAYA

LATITUD: 04° 37'N LONGITUD: 75° 45'W  
 ALTITUD : 1400 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
2	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	3.0			
3	7.0	22.0	0.0	11.0	11.0	8.0	17.0	0.0	0.0	51.0			
4	0.0	0.0	0.0	5.0	3.0	0.0	7.0	0.0	0.0	0.0			
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0			
6	12.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	44.0			
7	8.0	44.0	0.0	0.0	0.0	9.0	8.0	0.0	0.0	0.0			
8	2.0	0.0	0.0	0.0	6.0	34.0	22.0	0.0	0.0	32.0			
9	0.0	0.0	0.0	13.0	1.0	15.0	0.0	0.0	12.0	0.0			
10	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0			
11	21.0	1.0	0.0	4.0	3.0	0.0	4.0	0.0	0.0	3.0			
12	0.0	0.0	0.0	18.0	27.0	20.0	0.0	0.0	10.0	0.0			
13	0.0	12.0	0.0	0.0	0.0	5.0	6.0	0.0	0.0	8.0			
14	0.0	0.0	38.0	9.0	0.0	11.0	0.0	15.0	0.0	0.0			
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0			
16	0.0	2.0	1.0	0.0	0.0	0.0	13.0	0.0	2.0	33.0			
17	8.0	4.0	3.0	0.0	0.0	0.0	66.0	0.0	0.0	37.0			
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	9.0			
19	0.0	0.0	0.0	36.0	18.0	0.0	6.0	0.0	0.0	0.0			
20	0.0	0.0	6.0	0.0	0.0	0.0	24.0	0.0	55.0	4.0			
21	0.0	12.0	4.0	54.0	3.0	0.0	0.0	0.0	0.0	24.0			
22	0.0	0.0	2.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0			
23	0.0	6.0	0.0	30.0	0.0	4.0	0.0	0.0	0.0	0.0			
24	0.0	7.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0			
25	2.0	0.0	18.0	20.0	0.0	0.0	0.0	3.0	1.0	0.0			
26	0.0	0.0	0.0	16.0	17.0	0.0	0.0	8.0	13.0	11.0			
27	0.0	0.0	0.0	10.0	3.0	0.0	0.0	0.0	0.0	7.0			
28	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	54.0	0.0			
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	13.0	2.0			
30	0.0	0.0	41.0	10.0	9.0	0.0	0.0	0.0	34.0	7.0			
31	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0			
TOTAL	60.0	112.0	122.0	236.0	123.0	109.0	173.0	28.0	218.0	359.0			
DIAS LLUVIA	7	10	9	13	15	9	10	4	11	18			

ANUAL

PUESTO: VIVERO  
 AÑO : 1990

DPTO: QUINDIO  
 MPIO: QUIMBAYA

LATITUD: 04° 37'N LONGITUD: 75° 46'W  
 ALTITUD : 1400 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	7.5	0.0	0.0	0.0	8.0	3.5	0.0	0.0	3.5	32.0	0.0	0.0	
2	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	4.5	26.0	
3	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	1.5	19.0	10.0	
4	2.0	22.0	0.0	10.0	12.0	7.5	0.0	0.0	0.0	44.0	0.0	23.0	
5	0.0	4.0	0.0	3.0	3.5	0.0	6.5	0.0	0.0	3.0	0.0	16.0	
6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	
7	16.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	46.0	0.0	0.0	
8	0.0	37.0	0.0	0.0	0.0	1.0	4.5	0.0	0.0	0.0	0.0	0.0	
9	2.0	0.0	0.0	0.0	12.0	34.5	22.0	0.0	2.5	23.0	0.0	0.0	
10	0.0	0.0	0.0	12.0	1.5	17.0	4.0	0.0	7.0	0.0	0.0	0.0	
11	1.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	2.0	37.0	0.0	14.0	
12	24.0	8.0	2.5	1.5	0.0	0.0	0.0	0.0	0.0	2.0	8.0	0.0	
13	0.0	0.0	0.0	18.0	23.0	20.5	0.0	0.0	6.0	3.0	0.0	0.0	
14	0.0	14.0	0.0	0.0	0.0	6.5	5.5	8.0	0.0	2.0	0.0	0.0	
15	0.0	1.5	42.0	8.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	
16	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	2.0	40.0	0.0	
17	0.0	2.0	44.0	0.0	0.0	0.0	7.0	0.0	0.0	28.0	0.0	11.0	
18	14.0	2.5	2.0	0.0	0.0	0.0	53.0	0.0	1.5	0.0	0.0	3.5	
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5	6.0	0.0	0.0	
20	0.0	0.0	0.0	12.0	15.0	0.0	4.5	0.0	2.5	2.0	9.0	2.0	
21	0.0	0.0	6.5	0.0	0.0	0.0	25.0	0.0	53.0	1.5	19.0	0.0	
22	0.0	9.0	1.0	47.0	3.0	0.0	0.0	0.0	0.0	21.5	0.0	1.0	
23	0.0	0.0	6.0	0.0	0.0	2.0	0.0	0.0	0.0	1.5	1.5	4.0	
24	0.0	5.5	3.0	4.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	22.0	
25	0.0	0.0	8.0	54.0	0.0	2.0	0.0	0.0	2.0	21.0	0.0	0.0	
26	1.5	0.0	10.0	21.0	0.0	0.0	0.0	2.5	8.0	0.0	0.0	4.0	
27	0.0	0.0	0.0	17.0	18.0	0.0	0.0	6.0	0.0	10.0	0.0	0.0	
28	0.0	0.0	0.0	7.0	12.0	0.0	0.0	2.0	0.0	3.0	1.0	2.0	
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	3.0	17.0	
30	0.0	0.0	0.0	22.5	0.0	0.0	0.0	3.0	10.0	8.0	1.0	8.0	
31	0.0	0.0	30.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	73.0	105.5	156.0	241.5	120.5	107.5	146.0	21.5	172.0	299.5	106.0	163.5	1712.5
DIAS LLUVIA	9	10	12	15	13	11	10	5	14	22	10	15	146

ANUAL

PUESTO: LA ILUSION  
ANO : 1990

DPTO: QUINDIO  
MPIO: CIRCASIA

LATITUD: 04° 35'N LONGITUD: 75° 42'W  
ALTITUD : 1500 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	15.0	0.0	10.0	0.0	0.0	2.0	0.0	0.0	5.0	45.0	0.0	8.0	
2	0.0	0.0	5.0	0.0	2.0	1.0	0.0	0.0	10.0	0.0	30.0	4.0	
3	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	2.0	0.0	22.0	
4	3.0	20.0	1.0	20.0	0.0	0.0	0.0	0.0	0.0	12.0	2.0	32.0	
5	0.0	5.0	5.0	5.0	10.0	0.0	1.0	0.0	3.0	8.0	0.0	18.0	
6	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	10.0	0.0	0.0	
7	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.0	
8	0.0	38.0	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	15.0	7.0	
9	13.0	20.0	0.0	0.0	0.0	10.0	4.0	0.0	4.0	7.0	8.0	13.0	
10	2.0	0.0	0.0	1.0	1.0	1.0	5.0	0.0	0.0	1.0	5.0	0.0	
11	20.0	10.0	0.0	20.0	0.0	0.0	0.0	0.0	5.0	0.0	2.0	2.0	
12	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	10.0	0.0	0.0	
13	0.0	0.0	0.0	3.0	15.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0	
14	0.0	0.0	0.0	0.0	1.0	20.0	0.0	0.0	0.0	22.0	10.0	10.0	
15	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	
16	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	
17	0.0	0.0	45.0	20.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	
18	0.0	15.0	10.0	0.0	0.0	0.0	20.0	0.0	0.0	13.0	6.0	10.0	
19	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	9.0	1.0	0.0	
20	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	8.0	8.0	10.0	0.0	
21	0.0	0.0	30.0	0.0	0.0	0.0	20.0	0.0	0.0	14.0	12.0	0.0	
22	0.0	40.0	0.0	70.0	0.0	0.0	0.0	0.0	20.0	7.0	0.0	0.0	
23	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	15.0	0.0	1.0	0.0	
24	0.0	20.0	10.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	8.0	15.0	
25	0.0	5.0	0.0	10.0	0.0	5.0	0.0	0.0	0.0	5.0	3.0	0.0	
26	0.0	2.0	0.0	0.0	15.0	0.0	0.0	4.0	15.0	20.0	9.0	0.0	
27	0.0	0.0	0.0	20.0	0.0	0.0	0.0	2.0	0.0	6.0	0.0	0.0	
28	0.0	0.0	1.0	10.0	5.0	0.0	0.0	0.0	0.0	12.0	2.0	20.0	
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	
30	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	40.0	2.0	0.0	0.0	
31	0.0	0.0	20.0	0.0	0.0	0.0	0.0	10.0	0.0	25.0	0.0	0.0	
TOTAL	90.0	180.0	138.0	204.0	60.0	49.0	83.0	16.0	158.0	258.0	136.0	166.0	ANUAL
DIAS LLUVIA	8	11	11	13	10	7	7	3	13	22	19	13	1538.0
													137

PUESTO: LA JULIA  
ANO : 1990

DPTO: QUINDIO  
MPIO: MONTENEGRO

LATITUD: 04° 33'N LONGITUD: 75° 45'W  
ALTITUD : 1320 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	2.0	0.0	11.0	0.0	1.0	3.0	0.0	0.0	11.0	81.0	0.0	22.0	
2	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	1.0	3.0	12.0	21.0	
3	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	4.0	
4	11.0	7.0	1.0	12.0	14.0	0.0	6.0	0.0	0.0	10.0	1.0	60.0	
5	0.0	4.0	0.0	3.0	4.0	0.0	0.0	0.0	0.0	4.0	0.0	12.0	
6	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7	20.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0	0.0	23.0	0.0	1.0	
8	3.0	31.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	10.0	5.0	
9	2.0	0.0	0.0	2.0	4.0	18.0	14.0	0.0	11.0	16.0	0.0	0.0	
10	0.0	0.0	0.0	0.0	2.0	7.0	7.0	0.0	3.0	35.0	0.0	0.0	
11	0.0	0.0	0.0	4.0	1.0	0.0	0.0	0.0	0.0	29.0	0.0	0.0	
12	51.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	4.0	0.0	
13	0.0	5.0	0.0	32.0	3.0	17.0	0.0	0.0	11.0	2.0	0.0	0.0	
14	0.0	0.0	0.0	1.0	0.0	12.0	0.0	0.0	0.0	1.0	0.0	0.0	
15	0.0	0.0	0.0	12.0	0.0	26.0	1.0	0.0	0.0	0.0	0.0	0.0	
16	0.0	0.0	2.0	1.0	3.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	
17	0.0	0.0	29.0	4.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	3.0	
18	3.0	20.0	3.0	14.0	0.0	0.0	13.0	0.0	0.0	27.0	0.0	0.0	
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	20.0	0.0	0.0	
20	0.0	0.0	0.0	69.0	0.0	0.0	12.0	0.0	37.0	3.0	60.0	0.0	
21	0.0	0.0	19.0	6.0	0.0	0.0	6.0	0.0	0.0	2.0	8.0	0.0	
22	0.0	3.0	0.0	107.0	5.0	0.0	0.0	0.0	1.0	24.0	0.0	0.0	
23	0.0	1.0	9.0	0.0	0.0	1.0	0.0	0.0	2.0	0.0	0.0	8.0	
24	0.0	0.0	0.0	2.0	14.0	6.0	0.0	0.0	0.0	4.0	0.0	10.0	
25	6.0	3.0	8.0	16.0	0.0	2.0	0.0	0.0	1.0	14.0	0.0	0.0	
26	0.0	1.0	21.0	31.0	0.0	0.0	0.0	6.0	18.0	0.0	10.0	0.0	
27	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	
28	0.0	0.0	0.0	10.0	1.0	0.0	0.0	4.0	0.0	5.0	1.0	4.0	
29	0.0	0.0	0.0	0.0	4.0	0.0	0.0	2.0	0.0	7.0	10.0	9.0	
30	0.0	0.0	0.0	13.0	0.0	0.0	0.0	1.0	12.0	0.0	0.0	0.0	
31	0.0	0.0	20.0	0.0	5.0	0.0	0.0	1.0	0.0	20.0	0.0	0.0	
TOTAL	104.0	76.0	125.0	359.0	68.0	92.0	71.0	14.0	113.0	356.0	134.0	159.0	ANUAL
DIAS LLUVIA	9	10	11	19	15	9	10	5	13	23	10	12	1671.0
													146

PUESTO: TUCUMAN  
 AÑO : 1990

DPTO: QUINDIO  
 MPIO: ARMENIA

LATITUD: 04° 32'N LONGITUD: 75° 44'W  
 ALTITUD : 1250 m.

DIA	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		59.0	0.0	46.0
2	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	5.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	50.0	2.0
4	16.0	6.0	0.0	0.0	33.0	0.0	27.0	0.0		27.0	0.0	45.0
5	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0		7.0	0.0	13.0
6	19.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
7	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		26.0	26.0	10.0
8	7.0	0.0	0.0	0.0	0.0	0.0	47.0	0.0		0.0	0.0	5.0
9	0.0	67.0	0.0	0.0	0.0	13.0	0.0	0.0		0.0	0.0	6.0
10	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0		69.0	0.0	0.0
11	0.0	8.0	0.0	13.0	0.0	0.0	0.0	0.0		0.0	54.0	0.0
12	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
13	0.0	16.0	0.0	9.0	8.0	15.0	0.0	0.0		0.0	0.0	0.0
14	4.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0		16.0	34.0	0.0
15	0.0	0.0	0.0	5.0	0.0	18.0	0.0	0.0		0.0	0.0	16.0
16	0.0	0.0	12.0	24.0	0.0	0.0	0.0	0.0		0.0	0.0	10.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	48.0	0.0
18	0.0	34.0	0.0	14.0	0.0	0.0	22.0	0.0		72.0	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
20	0.0	0.0	0.0	43.0	0.0	0.0	8.0	0.0		0.0	23.0	0.0
21	0.0	0.0	18.0	10.0	0.0	0.0	11.0	0.0		54.0	0.0	1.0
22	0.0	0.0	0.0	35.0	0.0	0.0	0.0	0.0		0.0	21.0	0.0
23	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	3.0
24	0.0	4.0	10.0	6.0	14.0	9.0	0.0	0.0		0.0	0.0	48.0
25	4.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0		16.0	0.0	2.0
26	5.0	15.0	26.0	45.0	0.0	0.0	0.0	10.0		0.0	0.0	1.0
27	0.0	0.0	0.0	14.0	5.0	0.0	0.0	0.0		0.0	0.0	0.0
28	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0		11.0	0.0	2.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0		0.0	0.0	12.0
30	0.0	0.0	0.0	36.0	8.0	0.0	0.0	0.0		0.0	9.0	25.0
31	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0

TOTAL DIAS LLUVIA 95.0 150.0 125.0 257.0 73.0 67.0 124.0 15.0 357.0 265.0 252.0 ANUAL  
 8 7 9 13 6 5 6 2 10 8 18

PUESTO: SORRENTO  
 AÑO : 1990

DPTO: QUINDIO  
 MPIO: MONTENEGRO

LATITUD: 04° 32'N LONGITUD: 75° 50'W  
 ALTITUD : 1200 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC
1	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	12.0	0.0	5.0
3	0.0	0.0	0.0	7.0	0.0	2.0	0.0	0.0	0.0	10.0	20.0	15.0
4	30.0	19.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	22.0
5	0.0	3.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	12.0	0.0	30.0
6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0
7	7.0	0.0	0.0	0.0	7.0	0.0	31.0	0.0	0.0	0.0	0.0	3.0
8	22.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	0.0	6.0
9	12.0	0.0	0.0	0.0	0.0	18.0	18.0	0.0	30.0	0.0	5.0	5.0
10	0.0	0.0	0.0	36.0	4.0	14.0	2.0	0.0	0.0	0.0	7.0	0.0
11	0.0	3.0	0.0	15.0	0.0	0.0	0.0	0.0	3.0	0.0	11.0	0.0
12	3.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	32.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0
14	5.0	0.0	0.0	7.0	0.0	11.0	0.0	0.0	0.0	0.0	8.0	0.0
15	0.0	0.0	60.0	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	3.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0
17	0.0	6.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0	12.0	0.0	0.0
18	10.0	1.0	20.0	0.0	0.0	0.0	30.0	0.0	0.0	15.0	20.0	0.0
19	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	12.0	0.0
20	0.0	0.0	10.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0
21	0.0	18.0	4.0	15.0	0.0	13.0	50.0	0.0	0.0	0.0	15.0	0.0
22	0.0	0.0	0.0	51.0	0.0	7.0	0.0	0.0	13.0	0.0	10.0	0.0
23	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	14.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0
25	0.0	0.0	0.0	0.0	39.0	0.0	0.0	5.0	0.0	0.0	35.0	0.0
26	5.0	0.0	21.0	80.0	0.0	0.0	0.0	32.0	32.0	0.0	11.0	0.0
27	0.0	0.0	0.0	30.0	12.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	41.0	6.0	5.0	0.0	3.0	0.0	0.0	0.0	15.0
29	0.0	0.0	13.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	2.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	10.0	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	10.0	0.0	15.0

TOTAL DIAS LLUVIA 97.0 75.0 147.0 345.0 134.0 111.0 160.0 52.0 88.0 109.0 209.0 128.0 ANUAL  
 10 7 8 14 9 11 7 4 5 8 15 10 108

PUESTO: EL PARAISO  
ANO : 1990

DPTO: QUINDIO  
MPIO: CALARCA

LATITUD: 04° 29'N LONGITUD: 75° 42'W  
ALTITUD : 1400 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1	5.0	0.0	6.0	2.0	19.0	0.0	0.0	0.0	4.0	38.0	0.0	2.0	
2	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	20.0	8.0	
3	0.0	5.0	0.0	30.0	2.0	0.0	0.0	0.0	0.0	0.0	31.0	0.0	
4	2.0	18.0	3.0	16.0	42.0	0.0	0.0	0.0	0.0	24.0	1.0	62.0	
5	0.0	8.0	0.0	3.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	31.0	
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	
7	11.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	18.0	0.0	7.0	
8	10.0	21.0	0.0	9.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	51.0	
9	8.0	3.0	0.0	0.0	10.0	20.0	35.0	0.0	9.0	7.0	2.0	2.0	
10	0.0	1.0	0.0	0.0	6.0	4.0	9.0	0.0	0.0	12.0	0.0	0.0	
11	24.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	
12	56.0	0.0	0.0	19.0	2.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	10.0	2.0	0.0	0.0	5.0	4.0	0.0	0.0	
14	1.0	8.0	0.0	35.0	1.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	
15	0.0	0.0	0.0	0.0	0.0	50.0	0.0	4.0	0.0	0.0	0.0	0.0	
16	0.0	0.0	0.0	2.0	4.0	0.0	0.0	0.0	0.0	8.0	21.0	0.0	
17	0.0	0.0	23.0	0.0	0.0	0.0	5.0	0.0	0.0	2.0	5.0	0.0	
18	8.0	8.0	2.0	9.0	0.0	0.0	10.0	0.0	0.0	17.0	0.0	0.0	
19	33.0	0.0	0.0	36.0	0.0	0.0	2.0	0.0	22.0	7.0	0.0	0.0	
20	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	10.0	3.0	5.0	0.0	
21	0.0	0.0	50.0	18.0	0.0	0.0	0.0	0.0	42.0	10.0	21.0	0.0	
22	0.0	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.0	0.0	4.0	
23	0.0	0.0	34.0	6.0	0.0	0.0	0.0	0.0	18.0	0.0	28.0	27.0	
24	0.0	3.0	9.0	25.0	0.0	18.0	0.0	0.0	0.0	4.0	1.0	20.0	
25	0.0	9.0	15.0	56.0	0.0	0.0	0.0	0.0	0.0	24.0	0.0	0.0	
26	3.0	1.0	25.0	35.0	0.0	0.0	0.0	14.0	7.0	19.0	0.0	0.0	
27	0.0	0.0	0.0	44.0	3.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	
28	0.0	1.0	0.0	9.0	0.0	0.0	0.0	7.0	0.0	0.0	4.0	22.0	
29	0.0	0.0	0.0	0.0	5.0	0.0	0.0	4.0	0.0	8.0	54.0	0.0	
30	0.0	0.0	0.0	59.0	0.0	0.0	0.0	1.0	27.0	1.0	0.0	3.0	
31	0.0	0.0	54.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	
TOTAL	161.0	128.0	221.0	415.0	130.0	94.0	76.0	30.0	145.0	319.0	193.0	239.0	2151.0
DIAS LLUVIA	11	14	10	19	13	5	7	5	10	24	12	12	142

PUESTO: LA PRADERA  
ANO : 1990

DPTO: QUINDIO  
MPIO: ARMENIA

LATITUD: 04° 28'N LONGITUD: 75° 43'W  
ALTITUD : 1350 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1	20.0	0.0	5.0	0.0	0.0	10.0	0.0	0.0	0.0	31.0	0.0	15.0	
2	0.0	18.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	45.0	
3	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	0.0	
4	3.0	13.0	6.0	9.0	10.0	0.0	0.0	0.0	0.0	33.0	2.0	45.0	
5	0.0	2.0	0.0	2.0	8.0	0.0	0.0	0.0	0.0	2.0	0.0	20.0	
6	4.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7	18.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	21.0	0.0	2.0	
8	0.0	75.0	0.0	0.0	0.0	0.0	5.0	6.0	0.0	0.0	0.0	20.0	
9	6.0	0.0	0.0	0.0	0.0	12.0	38.0	0.0	19.0	6.0	1.0	2.0	
10	0.0	0.0	0.0	0.0	22.0	20.0	8.0	0.0	0.0	31.0	0.0	0.0	
11	0.0	0.0	0.0	8.0	3.0	18.0	0.0	0.0	1.0	15.0	0.0	3.0	
12	58.0	2.0	0.0	0.0	0.0	1.0	0.0	0.0	11.0	4.0	0.0	0.0	
13	0.0	0.0	0.0	30.0	17.0	47.0	7.0	4.0	27.0	0.0	1.0	0.0	
14	0.0	3.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	11.0	0.0	1.0	
15	0.0	0.0	2.0	18.0	0.0	38.0	0.0	0.0	0.0	2.0	0.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0	79.0	0.0	
17	0.0	0.0	55.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	
18	6.0	0.0	3.0	0.0	0.0	0.0	5.0	0.0	0.0	12.0	0.0	0.0	
19	18.0	0.0	20.0	18.0	0.0	0.0	0.0	0.0	2.0	8.0	10.0	1.0	
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	3.0	11.0	0.0	
21	0.0	0.0	38.0	0.0	0.0	0.0	20.0	0.0	70.0	0.0	10.0	0.0	
22	0.0	10.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	28.0	0.0	2.0	
23	0.0	0.0	30.0	0.0	8.0	18.0	0.0	0.0	2.0	0.0	10.0	35.0	
24	0.0	5.0	3.0	9.0	6.0	0.0	0.0	0.0	0.0	25.0	0.0	30.0	
25	8.0	0.0	12.0	28.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	
26	6.0	5.0	0.0	82.0	8.0	0.0	0.0	4.0	1.0	0.0	3.0	0.0	
27	0.0	0.0	0.0	24.0	20.0	0.0	0.0	3.0	0.0	10.0	0.0	0.0	
28	0.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	3.0	7.0	5.0	
30	0.0	0.0	0.0	28.0	0.0	0.0	0.0	14.0	29.0	0.0	0.0	2.0	
31	0.0	0.0	22.0	0.0	0.0	0.0	0.0	2.0	0.0	10.0	0.0	0.0	
TOTAL	147.0	133.0	199.0	311.0	102.0	164.0	113.0	36.0	167.0	294.0	176.0	230.0	2072.0
DIAS LLUVIA	10	9	12	15	9	8	8	8	10	20	13	16	138

PUESTO: EL JARDIN  
ANO : 1990

DPTO: QUINDIO  
MPIO: CALARCA

LATITUD: 04° 28'N LONGITUD: 75° 42'W  
ALTITUD : 1300 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1	10.0	0.0	9.0	0.0	0.0	9.0	0.0	0.0	1.0	45.0	0.0	3.0	
2	0.0	13.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	
3	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	1.0	32.0	0.0	
4	3.0	23.0	0.0	13.0	40.0	0.0	0.0	0.0	0.0	27.0	1.0	88.0	
5	0.0	5.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	4.0	0.0	32.0	
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	
7	3.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	22.0	0.0	5.0	
8	18.0	20.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	45.0	
9	21.0	0.0	0.0	0.0	0.0	11.0	36.0	0.0	10.0	5.0	1.0	0.0	
10	0.0	10.0	0.0	0.0	5.0	5.0	8.0	0.0	0.0	15.0	0.0	0.0	
11	10.0	1.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12	93.0	0.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	
13	0.0	1.0	0.0	14.0	15.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	
15	0.0	12.0	0.0	22.0	0.0	46.0	0.0	6.0	0.0	0.0	0.0	0.0	
16	0.0	0.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	26.0	0.0	
17	0.0	1.0	1.0	1.0	0.0	0.0	9.0	0.0	0.0	2.0	0.0	0.0	
18	8.0	10.0	0.0	4.0	0.0	0.0	7.0	0.0	0.0	15.0	0.0	0.0	
19	30.0	2.0	0.0	1.0	0.0	0.0	0.0	0.0	19.0	3.0	0.0	0.0	
20	0.0	0.0	1.0	41.0	0.0	0.0	0.0	0.0	10.0	7.0	2.0	0.0	
21	0.0	1.0	47.0	0.0	0.0	0.0	0.0	0.0	55.0	8.0	17.0	0.0	
22	0.0	28.0	0.0	25.0	0.0	0.0	0.0	0.0	2.0	30.0	0.0	3.0	
23	0.0	1.0	37.0	1.0	0.0	0.0	0.0	0.0	9.0	0.0	26.0	20.0	
24	0.0	14.0	8.0	0.0	0.0	17.0	0.0	0.0	2.0	13.0	0.0	17.0	
25	0.0	3.0	0.0	31.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	
26	3.0	11.0	27.0	30.0	0.0	0.0	0.0	13.0	0.0	0.0	0.0	0.0	
27	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	35.0	2.0	2.0	
28	0.0	0.0	0.0	54.0	5.0	0.0	0.0	0.0	0.0	6.0	6.0	22.0	
29	0.0	0.0	0.0	1.0	0.0	0.0	0.0	3.0	0.0	0.0	57.0	0.0	
30	0.0	0.0	0.0	65.0	0.0	0.0	0.0	5.0	22.0	1.0	0.0	1.0	
31	0.0	0.0	46.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	
TOTAL	199.0	158.0	205.0	348.0	89.0	88.0	77.0	29.0	131.0	317.0	220.0	238.0	2099.0
DIAS LLUVIA	10	18	10	17	7	5	6	5	10	23	11	11	133

PUESTO: QUEBRADANEGRA  
ANO : 1990

DPTO: QUINDIO  
MPIO: CALARCA

LATITUD: 04° 27'N LONGITUD: 75° 40'W  
ALTITUD : 1500 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1	3.0	0.0	11.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	
2	5.0	0.0	6.0	0.0	2.0	0.0	0.0	0.0	0.0	7.0	102.0	0.0	
3	28.0	4.0	0.0	8.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	121.0	
4	0.0	0.0	6.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	0.0	6.0	0.0	5.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	
7	30.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	30.0	
8	8.0	6.0	0.0	0.0	0.0	5.0	16.0	0.0	0.0	0.0	38.0	0.0	
9	3.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	
10	11.0	27.0	0.0	0.0	0.0	8.0	0.0	0.0	5.0	0.0	0.0	0.0	
11	9.0	4.0	0.0	0.0	0.0	11.0	0.0	0.0	5.0	0.0	0.0	0.0	
12	4.0	1.0	0.0	7.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	
13	2.0	0.0	0.0	0.0	3.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	0.0	5.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	
15	0.0	5.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	
16	0.0	1.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	59.0	0.0	
17	0.0	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	
18	0.0	20.0	10.0	0.0	0.0	3.0	0.0	0.0	72.0	0.0	0.0	0.0	
19	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	10.0	0.0	
20	0.0	17.0	0.0	29.0	0.0	0.0	0.0	0.0	10.0	0.0	28.0	0.0	
21	30.0	3.0	14.0	0.0	5.0	0.0	0.0	0.0	2.0	0.0	30.0	0.0	
22	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	
23	0.0	6.0	55.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	
24	0.0	21.0	7.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
25	0.0	1.0	9.0	9.0	0.0	0.0	0.0	36.0	0.0	0.0	0.0	0.0	
26	16.0	6.0	0.0	11.0	0.0	0.0	0.0	24.0	0.0	0.0	0.0	0.0	
27	0.0	11.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	22.0	0.0	0.0	0.0	10.0	0.0	0.0	10.0	0.0	
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	
30	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	44.0	0.0	0.0	13.0	
31	7.0	0.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	24.0	
TOTAL	157.0	175.0	170.0	137.0	92.0	83.0	46.0	70.0	155.0	18.0	302.0	273.0	1678.0
DIAS LLUVIA	14	18	10	10	9	10	2	3	8	2	9	7	102



PUESTO: LA ARGENTINA  
 AÑO : 1990

DPTO: QUINDIO  
 MPIO: LA TEBAIDA

LATITUD: 04° 26'N LONGITUD: 75° 46'W  
 ALTITUD : 1200 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1	1.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	12.0	47.0	0.0	0.0	
2	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
3	0.0	0.0	15.0	5.0	0.0	17.0	0.0	0.0	0.0	2.0	10.0	0.0	
4	2.0	35.0	2.0	20.0	0.0	0.0	0.0	0.0	0.0	55.0	25.0	15.0	
5	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	
6	0.0	5.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7	23.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	14.0	
8	0.0	23.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	
9	27.0	3.0	0.0	0.0	2.0	9.0	24.0	0.0	17.0	5.0	4.0	8.0	
10	0.0	0.0	0.0	0.0	1.0	4.0	18.0	0.0	1.0	5.0	0.0	0.0	
11	38.0	0.0	0.0	15.0	0.0	44.0	0.0	0.0	0.0	13.0	0.0	1.0	
12	3.0	4.0	0.0	0.0	3.0	0.0	0.0	0.0	47.0	0.0	0.0	0.0	
13	0.0	0.0	0.0	2.0	2.0	34.0	0.0	0.0	0.0	36.0	0.0	0.0	
14	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	26.0	0.0	0.0	
15	0.0	0.0	0.0	18.0	0.0	4.0	0.0	0.0	0.0	1.0	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	62.0	0.0	
17	0.0	0.0	50.0	0.0	0.0	0.0	18.0	3.5	0.0	0.0	0.0	0.0	
18	0.0	0.0	0.0	0.0	0.0	0.0	27.0	0.0	0.0	5.0	0.0	2.6	
19	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	27.0	60.0	0.0	0.0	
20	0.0	3.0	4.0	7.0	0.0	0.0	0.0	0.0	0.0	5.0	13.0	0.0	
21	0.0	2.0	27.0	0.0	0.0	0.0	40.0	0.0	50.0	47.0	2.0	0.0	
22	0.0	0.0	15.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	
23	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	1.0	0.0	4.0	
24	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	52.0	
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	7.0	13.0	0.0	0.0	
26	1.0	5.0	31.0	51.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	40.0	0.0	0.0	0.0	43.0	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	11.0	0.0	0.0	0.0	2.5	0.0	0.0	15.0	0.0	
29	0.0	0.0	0.0	0.0	17.0	0.0	0.0	0.0	20.0	0.0	34.0	6.0	
30	0.0	0.0	0.0	11.0	0.0	0.0	0.0	3.0	29.0	0.0	0.0	1.0	
31	0.0	0.0	8.0		0.0		0.0	0.0		0.0		0.0	
TOTAL	95.0	80.0	154.0	189.0	36.0	136.0	132.0	73.0	210.0	330.0	165.0	105.6	1705.6
DIAS LLUVIA	7	8	9	12	9	9	7	6	9	17	8	10	111

PUESTO: LA MIRANDA  
 AÑO : 1990

DPTO: QUINDIO  
 MPIO: LA TEBAIDA

LATITUD: 04° 26'N LONGITUD: 75° 50'W  
 ALTITUD : 1220 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1	4.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	15.0	1.0	4.0	
2	6.0	1.0		0.0	5.0	0.0	1.0	0.0	0.0	0.0	0.0	13.0	
3	0.0	0.0		0.0	2.0	0.0	0.0	0.0	0.0	0.0	3.0	12.0	
4	8.0	34.0		4.0	1.0	32.0	2.0	0.0	0.0	38.0	4.0	0.0	
5	0.0	2.0		3.0	0.0	0.0	26.0	0.0	0.0	0.0	8.0	0.0	
6	0.0	0.0		2.0	5.0	0.0	0.0	0.0	0.0	26.0	1.0	0.0	
7	6.0	0.0		0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8	0.0	40.0		0.0	0.0	0.0	3.0	0.0	0.0	54.0	0.0	6.0	
9	10.0	0.0		0.0	0.0	24.0	24.0	0.0	5.0	24.0	0.0	0.0	
10	0.0	2.0		0.0	0.0	7.0	1.0	0.0	0.0	3.0	0.0	0.0	
11	1.0	0.0		1.0	0.0	0.0	0.0	0.0	0.0	28.0	0.0	0.0	
12	0.0	1.0		0.0	0.0	5.0	0.0	0.0	65.0	10.0	0.0	1.0	
13	0.0	0.0		1.0	33.0	3.0	0.0	0.0	2.0	5.0	0.0	0.0	
14	0.0	0.0		0.0	3.0	8.0	0.0	0.0	0.0	18.0	0.0	0.0	
15	0.0	0.0		7.0	0.0	5.0	0.0	0.0	0.0	2.0	6.0	4.0	
16	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	
17	0.0	0.0		1.0	0.0	0.0	4.0	8.0	0.0	0.0	0.0	0.0	
18	0.0	18.0		0.0	0.0	0.0	8.0	0.0	0.0	54.0	34.0	0.0	
19	0.0	1.0		0.0	0.0	0.0	0.0	0.0	24.0	6.0	0.0	0.0	
20	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	8.0	10.0	0.0	
21	0.0	14.0		22.0	0.0	0.0	24.0	0.0	14.0	1.0	0.0	0.0	
22	0.0	0.0		6.0	0.0	0.0	1.0	0.0	0.0	35.0	0.0	0.0	
23	0.0	0.0		0.0	0.0	3.0	0.0	0.0	0.0	14.0	0.0	10.0	
24	0.0	4.0		1.0	1.0	1.0	0.0	0.0	0.0	3.0	0.0	14.0	
25	0.0	0.0		3.0	0.0	0.0	0.0	27.0	0.0	7.0	0.0	0.0	
26	1.0	3.0		12.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	6.0	
27	0.0	0.0		35.0	0.0	0.0	0.0	41.0	0.0	1.0	14.0	12.0	
28	0.0	0.0		4.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	5.0	
29	0.0	0.0		2.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	
30	0.0	0.0		1.0	0.0	0.0	0.0	0.0	20.0	0.0	3.0	18.0	
31	0.0	0.0			0.0		0.0	2.0		0.0		0.0	
TOTAL	36.0	120.0		105.0	78.0	88.0	94.0	81.0	131.0	355.0	84.0	140.0	
DIAS LLUVIA	7	11		16	9	9	10	6	7	21	10	13	

PUESTO: MONACO  
 AÑO : 1990

DPTO: QUINDIO  
 MPIO: CORDOBA

LATITUD: 04° 25'N LONGITUD: 75° 42'W  
 ALTITUD : 1300 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	14.0	2.0	12.0	45.0	10.0	5.0	4.0	0.0	4.0	8.0	2.0	12.0	
2	1.0	19.0	10.0	18.0	8.0	1.0	0.0	0.0	1.0	5.0	48.0	8.0	
3	0.0	2.0	0.0	22.0	5.0	0.0	0.0	0.0	0.0	6.0	27.0	12.0	
4	10.0	9.0	3.0	3.0	1.0	0.0	0.0	0.0	0.0	4.0	8.0	106.0	
5	4.0	18.0	0.0	30.0	2.0	0.0	2.0	0.0	0.0	8.0	0.0	45.0	
6	1.0	1.0	0.0	1.0	1.0	2.0	1.0	0.0	0.0	7.0	0.0	4.0	
7	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.0	0.0	3.0	
8	0.0	18.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	9.0	0.0	1.0	
9	10.0	1.0	0.0	10.0	2.0	10.0	4.0	0.0	0.0	12.0	0.0	0.0	
10	3.0	3.0	0.0	4.0	0.0	6.0	15.0	0.0	0.0	5.0	0.0	4.0	
11	0.0	1.0	0.0	20.0	0.0	1.0	7.0	0.0	0.0	0.0	0.0	0.0	
12	13.0	0.0	0.0	5.0	0.0	0.0	2.0	0.0	1.0	11.0	0.0	2.0	
13	1.0	0.0	0.0	10.0	2.0	25.0	8.0	0.0	0.0	8.0	0.0	1.0	
14	0.0	9.0	0.0	0.0	1.0	1.0	5.0	2.0	0.0	4.0	0.0	6.0	
15	0.0	1.0	3.0	4.0	0.0	14.0	10.0	0.0	0.0	18.0	0.0	1.0	
16	0.0	0.0	20.0	6.0	0.0	1.0	0.0	0.0	0.0	16.0	25.0	0.0	
17	1.0	30.0	0.0	3.0	0.0	0.0	15.0	0.0	1.0	6.0	3.0	0.0	
18	4.0	20.0	1.0	2.0	0.0	0.0	40.0	0.0	0.0	8.0	2.0	4.0	
19	1.0	2.0	0.0	0.0	0.0	0.0	1.0	1.0	4.0	0.0	0.0	1.0	
20	0.0	5.0	3.0	7.0	0.0	0.0	0.0	0.0	6.0	9.0	5.0	0.0	
21	0.0	4.0	1.0	10.0	0.0	0.0	0.0	0.0	22.0	8.0	10.0	3.0	
22	0.0	15.0	15.0	2.0	0.0	1.0	0.0	0.0	3.0	18.0	1.0	5.0	
23	0.0	1.0	28.0	0.0	2.0	3.0	0.0	0.0	4.0	12.0	0.0	2.0	
24	0.0	13.0	2.0	8.0	5.0	6.0	0.0	0.0	6.0	8.0	0.0	20.0	
25	3.0	9.0	8.0	2.0	2.0	0.0	0.0	0.0	0.0	4.0	0.0	1.0	
26	0.0	12.0	0.0	1.0	0.0	0.0	0.0	10.0	10.0	18.0	0.0	0.0	
27	0.0	0.0	2.0	10.0	4.0	0.0	0.0	4.0	0.0	13.0	1.0	6.0	
28	0.0	0.0	0.0	8.0	1.0	0.0	0.0	1.0	9.0	7.0	22.0	10.0	
29	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	27.0	1.0	
30	0.0	0.0	0.0	52.0	0.0	0.0	0.0	2.0	10.0	4.0	0.0	0.0	
31	1.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	15.0	0.0	4.0	
TOTAL	70.0	195.0	112.0	283.0	46.0	79.0	114.0	23.0	87.0	261.0	181.0	262.0	ANUAL
DIAS LLUVIA	15	22	15	24	14	14	13	7	15	29	13	24	205

PUESTO: LA ESPERANZA  
 AÑO : 1990

DPTO: QUINDIO  
 MPIO: BUENAVISTA

LATITUD: 04° 21'N LONGITUD: 75° 45'W  
 ALTITUD : 1400 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	12.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	68.0	0.0	16.0	
2	0.0	36.0	0.0	4.0	8.0	0.0	0.0	0.0	0.0	0.0	21.0	37.0	
3	0.0	0.0	0.0	0.0	4.0	0.0	3.0	0.0	0.0	0.0	45.0	0.0	
4	0.0	29.0	0.0	82.0	46.0	0.0	0.0	0.0	0.0	48.0	0.0	75.0	
5	0.0	7.0	4.0	0.0	6.0	0.0	0.0	0.0	0.0	13.0	0.0	11.0	
6	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	4.0	0.0	0.0	
7	0.0	0.0	8.0	0.0	0.0	0.0	26.0	0.0	0.0	21.0	0.0	0.0	
8	8.0	45.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	29.0	
9	19.0	0.0	0.0	0.0	35.0	0.0	72.0	0.0	0.0	14.0	0.0	0.0	
10	23.0	0.0	14.0	0.0	3.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	
11	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0	0.0	13.0	
12	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	4.0	0.0	6.0	
13	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	24.0	0.0	0.0	
14	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	
15	0.0	0.0	0.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	
16	0.0	0.0	6.0	6.0	0.0	0.0	0.0	0.0	0.0	35.0	40.0	9.0	
17	0.0	0.0	23.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	
18	0.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0	0.0	0.0	
19	25.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	21.0	0.0	
21	0.0	8.0	6.0	0.0	0.0	0.0	34.0	0.0	0.0	7.0	17.0	6.0	
22	0.0	0.0	24.0	5.0	0.0	0.0	0.0	0.0	35.0	12.0	0.0	11.0	
23	0.0	19.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	61.0	0.0	0.0	
24	0.0	16.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0	17.0	
25	0.0	0.0	11.0	46.0	2.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	
26	0.0	7.0	19.0	5.0	0.0	0.0	0.0	0.0	0.0	9.0	6.0	0.0	
27	0.0	5.0	0.0	58.0	0.0	0.0	0.0	5.0	0.0	4.0	0.0	0.0	
28	0.0	50.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
29	0.0	0.0	0.0	5.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	
30	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	31.0	0.0	14.0	0.0	
31	0.0	0.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0	0.0	0.0	
TOTAL	131.0	255.0	211.0	284.0	115.0	7.0	150.0	8.0	69.0	472.0	193.0	251.0	ANUAL
DIAS LLUVIA	7	13	12	12	8	2	5	2	3	21	8	13	106

PUESTO: EL PORVENIR  
AÑO : 1990

DPTO: QUINDIO  
MPIO: PIJAO

LATITUD: 04° 19'N LONGITUD: 75° 47'W  
ALTITUD : 1540 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	2.0	0.0	12.0	8.0	1.0	1.0	1.0	0.0	4.0	49.0	0.0	4.0	
2	0.0	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.0	55.0	
3	0.0	0.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88.0	2.0	
4	4.0	20.0	0.0	1.0	19.0	1.0	0.0	0.0	0.0	21.0	3.0	70.0	
5	1.0	6.0	3.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	6.0	
6	16.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	3.0	1.0	0.0	0.0	
7	10.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	30.0	0.0	1.0	
8	5.0	13.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	8.0	
9	8.0	0.0	0.0	0.0	3.0	9.0	56.0	0.0	0.0	39.0	0.0	0.0	
10	1.0	1.0	0.0	0.0	0.0	5.0	6.0	0.0	0.0	1.0	0.0	0.0	
11	8.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	7.0	18.0	0.0	0.0	
12	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	1.0	2.0	0.0	0.0	
13	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	
14	0.0	0.0	0.0	0.0	0.0	0.0	5.0	2.0	0.0	13.0	0.0	1.0	
15	0.0	1.0	3.0	7.0	0.0	7.0	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	16.0	12.0	0.0	
17	0.0	7.0	25.0	20.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	
18	0.0	0.0	1.0	0.0	0.0	0.0	5.0	0.0	0.0	69.0	2.0	0.0	
19	22.0	1.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	5.0	1.0	0.0	
20	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	10.0	0.0	
21	1.0	0.0	1.0	2.0	0.0	0.0	8.0	0.0	44.0	8.0	2.0	0.0	
22	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	21.0	0.0	0.0	
23	0.0	0.0	48.0	1.0	0.0	1.0	1.0	0.0	0.0	0.0	44.0	0.0	
24	0.0	14.0	2.0	0.0	1.0	0.0	0.0	0.0	0.0	16.0	0.0	41.0	
25	0.0	1.0	4.0	30.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	0.0	
26	5.0	6.0	35.0	38.0	0.0	0.0	0.0	35.0	1.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	26.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0	0.0	
28	0.0	1.0	0.0	12.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	
29	0.0	0.0	0.0	2.0	2.0	0.0	0.0	4.0	0.0	0.0	5.0	2.0	
30	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	38.0	0.0	0.0	2.0	
31	0.0	0.0	16.0	0.0	0.0	0.0	0.0	1.0	0.0	8.0	0.0	0.0	
TOTAL	83.0	131.0	171.0	160.0	29.0	25.0	103.0	44.0	99.0	337.0	174.0	193.0	ANUAL
DIAS LLUVIA	12	13	14	15	8	7	12	5	8	22	10	12	1549.0 138

PUESTO: VILLA HORIZABA  
AÑO : 1990

DPTO: QUINDIO  
MPIO: GENOVA

LATITUD: 04° 15'N LONGITUD: 75° 48'W  
ALTITUD : 1470 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	71.0	7.0	0.0			0.0	1.0	2.0	45.0	1.0	1.0	
2	0.0	0.0	12.0	0.0			0.0	0.0	1.0	2.0	0.0	20.0	
3	20.0	0.0	5.0	0.0			0.0	0.0	0.0	0.0	6.0	2.0	
4	0.0	31.0	2.0	0.0			0.0	0.0	0.0	0.0	0.0	10.0	
5	0.0	0.0	0.0	11.0			0.0	0.0	0.0	15.0	0.0	4.0	
6	0.0	0.0	4.0	0.0			0.0	0.0	3.0	5.0	0.0	0.0	
7	0.0	8.0	0.0	0.0			0.0	0.0	0.0	1.0	0.0	0.0	
8	0.0	10.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0	
9	3.0	0.0	0.0	0.0			0.0	0.0	0.0	7.0	0.0	35.0	
10	20.0	0.0	8.0	0.0			0.0	0.0	1.0	1.0	0.0	0.0	
11	2.0	5.0	0.0	0.0			0.0	0.0	1.0	3.0	0.0	0.0	
12	0.0	0.0	0.0	0.0			0.0	0.0	15.0	1.0	1.0	0.0	
13	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	31.0			0.0	0.0	0.0	0.0	0.0	0.0	
15	0.0	16.0	10.0	0.0			0.0	0.0	0.0	6.0	0.0	0.0	
16	0.0	8.0	0.0	9.0			0.0	0.0	0.0	2.0	3.0	0.0	
17	0.0	15.0	8.0	7.0			0.0	0.0	0.0	7.0	0.0	0.0	
18	0.0	0.0	0.0	6.0			0.0	0.0	0.0	0.0	0.0	0.0	
19	0.0	0.0	4.0	0.0			0.0	0.0	1.0	2.0	0.0	0.0	
20	0.0	0.0	1.0	20.0			0.0	0.0	0.0	0.0	5.0	0.0	
21	0.0	0.0	0.0	15.0			15.0	0.0	5.0	45.0	1.0	0.0	
22	0.0	22.0	32.0	11.0			0.0	0.0	0.0	1.0	0.0	7.0	
23	0.0	0.0	6.0	30.0			0.0	0.0	45.0	2.0	19.0	5.0	
24	0.0	25.0	9.0	10.0			0.0	0.0	3.0	0.0	0.0	2.0	
25	0.0	7.0	0.0	5.0			0.0	0.0	1.0	2.0	0.0	0.0	
26	0.0	0.0	0.0	11.0			0.0	4.0	0.0	0.0	0.0	2.0	
27	0.0	0.0	0.0	28.0			0.0	15.0	0.0	15.0	0.0	0.0	
28	0.0	0.0	0.0	0.0			0.0	1.0	0.0	25.0	0.0	15.0	
29	0.0	0.0	47.0	0.0			0.0	0.0	0.0	0.0	45.0	0.0	
30	0.0	0.0	10.0	0.0			0.0	0.0	5.0	0.0	0.0	25.0	
31	0.0	0.0	30.0				0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	45.0	218.0	195.0	194.0			15.0	21.0	83.0	187.0	81.0	128.0	ANUAL
DIAS LLUVIA	4	11	16	13			1	4	12	19	8	12	

PUESTO: LA ORIENTAL  
AÑO : 1990

DPTO: RISARALDA  
MPIO: QUINCHIA

LATITUD: 05° 22'N LONGITUD: 75° 43'W  
ALTITUD : 1620 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	0.0	0.0	0.0	1.0	5.0	0.0	0.0	11.0	4.0	0.0	10.0	
2	16.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	2.0	1.0	17.0	
3	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	
4	2.0	19.0	1.0	11.0	0.0	0.0	14.0	0.0	0.0	20.0	10.0	35.0	
5	1.0	14.0	0.0	19.0	3.0	0.0	4.0	0.0	0.0	9.0	0.0	7.0	
6	0.0	1.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7	9.0	0.0	0.0	0.0	2.0	0.0	13.0	0.0	0.0	16.0	0.0	1.0	
8	0.0	14.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0	17.0	0.0	
9	0.0	0.0	0.0	0.0	1.0	12.0	18.0	0.0	0.0	25.0	18.0	0.0	
10	1.0	4.0	0.0	0.0	34.0	0.0	1.0	0.0	0.0	2.0	0.0	0.0	
11	63.0	7.0	0.0	23.0	0.0	0.0	6.0	0.0	10.0	12.0	2.0	0.0	
12	8.0	1.0	0.0	20.0	0.0	7.0	0.0	0.0	7.0	4.0	0.0	0.0	
13	3.0	0.0	0.0	8.0	3.0	7.0	16.0	0.0	2.0	16.0	18.0	0.0	
14	14.0	0.0	3.0	2.0	0.0	0.0	1.0	2.0	0.0	6.0	0.0	0.0	
15	1.0	0.0	0.0	10.0	0.0	12.0	0.0	1.0	0.0	0.0	0.0	0.0	
16	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0	28.0	12.0	0.0	
17	0.0	0.0	13.0	12.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	
18	0.0	9.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0	2.0	0.0	
19	0.0	3.0	0.0	68.0	0.0	0.0	0.0	0.0	13.0	20.0	0.0	0.0	
20	0.0	1.0	55.0	86.0	0.0	0.0	28.0	0.0	0.0	7.0	13.0	0.0	
21	1.0	3.0	6.0	0.0	0.0	0.0	0.0	0.0	17.0	11.0	25.0	0.0	
22	0.0	0.0	25.0	6.0	0.0	0.0	0.0	0.0	0.0	32.0	22.0	0.0	
23	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	4.0	0.0	
24	0.0	0.0	10.0	0.0	19.0	0.0	8.0	0.0	0.0	2.0	1.0	3.0	
25	0.0	5.0	9.0	17.0	0.0	0.0	0.0	37.0	23.0	0.0	0.0	0.0	
26	0.0	9.0	11.0	7.0	0.0	0.0	0.0	6.0	33.0	0.0	0.0	3.0	
27	0.0	1.0	0.0	32.0	0.0	0.0	8.0	20.0	0.0	0.0	0.0	0.0	
28	0.0	1.0	0.0	31.0	26.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	
29	0.0	0.0	0.0	20.0	5.0	0.0	0.0	3.0	0.0	33.0	13.0	0.0	
30	0.0	0.0	0.0	10.0	0.0	0.0	0.0	7.0	42.0	9.0	0.0	2.0	
31	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	
TOTAL DIAS LLUVIA	119.0 11	92.0 15	150.0 11	398.0 20	99.0 10	43.0 5	176.0 15	76.0 7	159.0 10	258.0 19	162.0 16	81.0 9	ANUAL 1813.0 148

PUESTO: BUENOS AIRES  
AÑO : 1990

DPTO: RISARALDA  
MPIO: GUATICA

LATITUD: 05° 20'N LONGITUD: 75° 48'W  
ALTITUD : 1830 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	16.0	0.0	2.0	0.0	5.0	0.0	6.0	0.0	7.0	5.0	2.0	4.0	
2	3.0	0.0	0.0	8.0	3.0	0.0	0.0	0.0	5.0	2.0	0.0	18.0	
3	2.0	12.0	0.0	0.0	1.0	20.0	0.0	0.0	0.0	0.0	16.0	3.0	
4	10.0	0.0	10.0	5.0	12.0	0.0	12.0	0.0	0.0	16.0	3.0	27.0	
5	0.0	9.0	0.0	19.0	0.0	0.0	2.0	0.0	0.0	1.0	0.0	5.0	
6	0.0	0.0	5.0	0.0	4.0	0.0	0.0	0.0	2.0	12.0	0.0	2.0	
7	0.0	2.0	3.0	0.0	0.0	0.0	0.0	5.0	8.0	0.0	0.0	0.0	
8	4.0	14.0	0.0	0.0	0.0	7.0	24.0	0.0	0.0	0.0	0.0	0.0	
9	0.0	0.0	0.0	0.0	0.0	2.0	14.0	1.0	0.0	4.0	12.0	0.0	
10	0.0	0.0	0.0	0.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	
11	19.0	13.0	0.0	34.0	2.0	0.0	0.0	0.0	10.0	8.0	0.0	0.0	
12	0.0	0.0	0.0	0.0	4.0	0.0	4.0	0.0	45.0	0.0	0.0	0.0	
13	0.0	0.0	0.0	14.0	0.0	2.0	3.0	10.0	1.0	0.0	0.0	0.0	
14	7.0	2.0	0.0	6.0	6.0	0.0	6.0	0.0	0.0	5.0	0.0	0.0	
15	0.0	0.0	0.0	12.0	0.0	1.0	0.0	4.0	0.0	0.0	0.0	0.0	
16	0.0	0.0	11.0	3.0	1.0	3.0	2.0	7.0	0.0	18.0	9.0	0.0	
17	1.0	5.0	1.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	
18	12.0	0.0	0.0	5.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	
19	5.0	3.0	0.0	8.0	0.0	0.0	0.0	0.0	18.0	42.0	0.0	0.0	
20	0.0	0.0	6.0	20.0	0.0	0.0	48.0	0.0	2.0	3.0	0.0	0.0	
21	14.0	2.0	0.0	1.0	3.0	0.0	5.0	0.0	21.0	13.0	16.0	0.0	
22	0.0	0.0	16.0	17.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	
23	0.0	0.0	0.0	6.0	14.0	52.0	3.0	0.0	0.0	2.0	14.0	7.0	
24	0.0	0.0	19.0	4.0	4.0	0.0	0.0	16.0	4.0	0.0	0.0	5.0	
25	2.0	0.0	8.0	11.0	0.0	0.0	0.0	0.0	1.0	0.0	5.0	4.0	
26	0.0	20.0	0.0	2.0	0.0	0.0	0.0	3.0	0.0	0.0	3.0	12.0	
27	0.0	4.0	0.0	5.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	2.0	
28	0.0	0.0	0.0	24.0	11.0	0.0	0.0	15.0	0.0	4.0	0.0	0.0	
29	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	2.0	6.0	1.0	3.0	
30	0.0	0.0	0.0	8.0	0.0	4.0	0.0	24.0	41.0	14.0	2.0	0.0	
31	0.0	0.0	4.0	0.0	58.0	0.0	0.0	0.0	4.0	0.0	3.0	0.0	
TOTAL DIAS LLUVIA	95.0 12	86.0 11	85.0 11	243.0 22	132.0 15	92.0 9	148.0 14	97.0 10	165.0 14	174.0 18	85.0 12	95.0 13	ANUAL 1497.0 161

PUESTO: OSPIRMA  
 AÑO : 1990

DPTO: RISARALDA  
 MPIO: GUATICA

LATITUD: 05° 20'N LONGITUD: 75° 49'W  
 ALTITUD : 1680 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1	4.0	0.0	0.0	0.0	7.0	28.0	6.0	0.0	6.0	2.0	0.0	6.0	66.0
2	25.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1285.0
3	0.0	0.0	0.0	2.0	8.0	0.0	0.0	0.0	0.0	0.0	6.0	11.0	136
4	0.0	8.0	0.0	9.0	9.0	15.0	9.0	0.0	0.0	0.0	30.0	29.0	
5	3.0	15.0	7.0	17.0	0.0	0.0	3.0	0.0	0.0	23.0	1.0	6.0	
6	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7	0.0	0.0	1.0	0.0	1.0	0.0	5.0	7.0	0.0	19.0	0.0	0.0	
8	0.0	23.0	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	0.0	
9	1.0	0.0	0.0	0.0	0.0	16.0	10.0	0.0	2.0	10.0	9.0	0.0	
10	0.0	0.0	0.0	0.0	4.0	2.0	0.0	0.0	0.0	0.0	1.0	0.0	
11	1.0	15.0	0.0	42.0	0.0	0.0	5.0	0.0	6.0	12.0	0.0	0.0	
12	16.0	5.0	0.0	0.0	0.0	57.0	0.0	0.0	44.0	1.0	0.0	0.0	
13	0.0	0.0	0.0	7.0	1.0	4.0	2.0	0.0	0.0	9.0	1.0	0.0	
14	3.0	3.0	0.0	2.0	3.0	0.0	3.0	18.0	0.0	5.0	0.0	0.0	
15	0.0	0.0	0.0	11.0	0.0	2.0	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	10.0	0.0	0.0	0.0	7.0	0.0	
17	2.0	0.0	8.0	6.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	
18	0.0	3.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	
19	0.0	1.0	0.0	3.0	0.0	0.0	0.0	0.0	12.0	29.0	5.0	0.0	
20	0.0	0.0	1.0	16.0	0.0	0.0	47.0	0.0	0.0	0.0	0.0	0.0	
21	9.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	18.0	3.0	22.0	0.0	
22	2.0	9.0	13.0	16.0	0.0	0.0	2.0	0.0	1.0	11.0	0.0	0.0	
23	0.0	0.0	0.0	0.0	18.0	0.0	7.0	0.0	0.0	0.0	10.0	0.0	
24	0.0	1.0	0.0	1.0	0.0	44.0	0.0	0.0	0.0	0.0	0.0	0.0	
25	0.0	15.0	31.0	7.0	5.0	0.0	0.0	16.0	3.0	0.0	1.0	1.0	
26	0.0	7.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	6.0	
27	0.0	0.0	0.0	22.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	1.0	5.0	0.0	0.0	5.0	0.0	2.0	0.0	2.0	
29	0.0	0.0	0.0	0.0	3.0	0.0	0.0	15.0	0.0	7.0	0.0	4.0	
30	0.0	0.0	0.0	6.0	0.0	0.0	0.0	5.0	26.0	0.0	0.0	0.0	
31	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	1.0	
TOTAL DIAS LLUVIA	66.0 10	105.0 12	69.0 9	192.0 19	64.0 11	168.0 8	132.0 14	69.0 7	118.0 9	143.0 17	93.0 11	66.0 9	

PUESTO: EL BARRANCO  
 AÑO : 1990

DPTO: RISARALDA  
 MPIO: MISTRATO

LATITUD: 05° 20'N LONGITUD: 75° 53'W  
 ALTITUD : 1580 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1	0.0	0.0	0.0	0.0	10.0	2.0	0.0	0.0	16.0	12.0	15.0	0.0	1034.0
2	0.0	3.0	0.0	10.0	2.0	4.0	4.0	0.0	3.0	5.0	3.0	11.0	163
3	0.0	4.0	3.0	8.0	1.0	0.0	1.0	0.0	0.0	0.0	9.0	0.0	
4	0.0	0.0	2.0	5.0	10.0	2.0	0.0	0.0	0.0	0.0	7.0	25.0	
5	0.0	10.0	0.0	0.0	7.0	1.0	3.0	0.0	0.0	0.0	0.0	12.0	
6	0.0	0.0	0.0	6.0	10.0	6.0	2.0	6.0	0.0	10.0	2.0	0.0	
7	3.0	0.0	0.0	4.0	0.0	8.0	5.0	0.0	0.0	5.0	0.0	0.0	
8	2.0	0.0	0.0	1.0	5.0	4.0	4.0	0.0	0.0	7.0	5.0	14.0	
9	0.0	0.0	5.0	10.0	4.0	6.0	2.0	0.0	0.0	0.0	0.0	0.0	
10	0.0	5.0	3.0	7.0	2.0	0.0	0.0	0.0	0.0	13.0	0.0	0.0	
11	4.0	3.0	0.0	4.0	10.0	0.0	7.0	0.0	0.0	15.0	3.0	0.0	
12	5.0	4.0	4.0	3.0	5.0	0.0	5.0	0.0	11.0	12.0	0.0	0.0	
13	0.0	0.0	2.0	0.0	1.0	0.0	0.0	2.0	0.0	6.0	0.0	0.0	
14	2.0	2.0	0.0	4.0	3.0	0.0	0.0	1.0	0.0	9.0	0.0	0.0	
15	0.0	1.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	6.0	10.0	0.0	
16	4.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	10.0	5.0	5.0	0.0	
17	0.0	0.0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	4.0	5.0	20.0	
18	0.0	0.0	3.0	12.0	0.0	0.0	0.0	0.0	0.0	23.0	4.0	0.0	
19	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	6.0	4.0	0.0	
20	3.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	10.0	8.0	8.0	
21	5.0	0.0	7.0	0.0	3.0	0.0	0.0	0.0	0.0	7.0	10.0	10.0	
22	0.0	1.0	3.0	7.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	
23	3.0	0.0	0.0	3.0	2.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	
24	0.0	0.0	2.0	5.0	0.0	0.0	0.0	20.0	0.0	9.0	0.0	0.0	
25	0.0	0.0	4.0	4.0	0.0	0.0	0.0	7.0	0.0	8.0	0.0	11.0	
26	0.0	0.0	3.0	2.0	0.0	0.0	0.0	0.0	12.0	5.0	0.0	0.0	
27	4.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	
28	3.0	0.0	0.0	8.0	1.0	0.0	0.0	0.0	0.0	9.0	0.0	6.0	
29	2.0	0.0	10.0	11.0	0.0	0.0	9.0	0.0	20.0	0.0	0.0	5.0	
30	0.0	0.0	5.0	15.0	0.0	0.0	5.0	0.0	10.0	0.0	0.0	0.0	
31	0.0	0.0	5.0	0.0	3.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	
TOTAL DIAS LLUVIA	40.0 12	36.0 10	68.0 18	149.0 24	89.0 18	33.0 8	47.0 11	36.0 5	82.0 7	222.0 25	110.0 15	122.0 10	

PUESTO: EL DIAMANTE  
 AÑO : 1990

DPTO: RISARALDA  
 MPIO: QUINCHIA

LATITUD: 05° 19'N LONGITUD: 75° 42'W  
 ALTITUD : 1440 m.

DIA	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	8.0	10.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	1.0	8.0	3.0
3	11.0	0.0	5.0	6.0	8.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
4	10.0	9.0	0.0	31.0	0.0	1.0	12.0	0.0	0.0	0.0	2.0	5.0
5	0.0	25.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	26.0	5.0	24.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0
7	10.0	0.0	25.0	0.0	0.0	0.0	19.0	1.0	0.0	28.0	0.0	0.0
8	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	19.0
9	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	25.0	33.0	0.0
10	0.0	0.0	0.0	0.0	7.0	2.0	0.0	0.0	0.0	0.0	3.0	0.0
11	0.0	0.0	0.0	52.0	0.0	0.0	4.0	0.0	3.0	22.0	0.0	0.0
12	0.0	24.0	0.0	12.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
13	10.0	0.0	0.0	40.0	1.0	0.0	7.0	0.0	0.0	8.0	4.0	0.0
14	19.0	0.0	0.0	10.0	8.0	0.0	4.0	6.0	0.0	3.0	0.0	0.0
15	3.0	0.0	0.0	4.0	0.0	10.0	0.0	2.0	0.0	0.0	0.0	0.0
16	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	49.0	40.0	0.0
17	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
18	0.0	6.0	0.0	0.0	0.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0
19	3.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	42.0	55.0	0.0	0.0
20	0.0	0.0	0.0	22.0	12.0	0.0	41.0	0.0	0.0	2.0	1.0	0.0
21	0.0	0.0	49.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
23	0.0	8.0	0.0	0.0	0.0	0.0	8.0	0.0	5.0	0.0	10.0	0.0
24	0.0	4.0	0.0	0.0	6.0	1.0	0.0	0.0	0.0	0.0	0.0	7.0
25	1.0	0.0	15.0	0.0	0.0	0.0	0.0	42.0	34.0	0.0	0.0	0.0
26	0.0	0.0	5.0	37.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	6.0
27	0.0	0.0	0.0	17.0	28.0	0.0	0.0	43.0	18.0	0.0	0.0	3.0
28	0.0	0.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
29	0.0	0.0	0.0	35.0	0.0	0.0	0.0	4.0	0.0	21.0	16.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	23.0	2.0	0.0	0.0
31	0.0	0.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL DIAS LLUVIA 69.0 91.0 156.0 293.0 70.0 26.0 125.0 113.0 133.0 266.0 127.0 75.0 ANUAL 1544.0  
 9 7 9 14 7 6 10 8 7 17 12 8 114

PUESTO: VISTA HERMOSA  
 AÑO : 1990

DPTO: RISARALDA  
 MPIO: BELEN DE UMBRIA

LATITUD: 05° 15'N LONGITUD: 75° 54'W  
 ALTITUD : 1850 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC
1	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0				
2	0.0	0.0	5.6	7.5	0.0	0.0	5.5	0.0				
3	0.0	5.0	2.5	3.0	0.0	0.0	0.0	0.0				
4	0.0	0.0	10.0	2.0	20.0	0.0	19.0	0.0				
5	0.0	9.5	0.0	30.0	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				
7	2.0	0.0	0.0	0.0	68.0	0.0	16.0	4.0				
8	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0				
9	0.0	0.0	0.0	0.0	0.0	7.5	18.0	0.0				
10	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0				
11	7.0	26.5	0.0	0.0	3.0	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	2.8	6.0	15.0	11.0	0.0	0.0				
14	8.5	0.0	0.0	30.0	2.0	0.0	16.0	0.0				
15	0.0	0.0	0.0	0.0	0.0	46.0	0.0	0.0				
16	7.6	0.0	0.0	0.0	25.0	0.0	22.0	0.0				
17	44.5	0.0	5.0	4.5	0.0	0.0	6.0	0.0				
18	0.0	5.5	0.0	0.0	0.0	0.0	10.0	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	6.5	0.0	0.0	16.0	0.0				
21	9.0	0.0	22.0	40.0	0.0	0.0	0.0	0.0				
22	0.0	0.0	19.0	36.0	0.0	0.0	0.0	0.0				
23	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0				
24	0.0	3.5	48.0	1.2	3.5	46.0	0.0	0.0				
25	12.0	17.0	0.0	7.7	0.0	0.0	0.0	38.0				
26	0.0	12.0	0.0	0.0	7.0	0.0	0.0	0.0				
27	0.0	0.0	0.0	43.0	0.0	0.0	0.0	6.5				
28	0.0	4.6	0.0	2.0	13.5	0.0	0.0	22.0				
29	0.0	0.0	0.0	30.0	0.0	0.0	16.0	0.0				
30	0.0	0.0	0.0	3.5	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				

TOTAL DIAS LLUVIA 90.6 84.7 114.9 252.9 196.0 110.5 144.5 70.5 ANUAL  
 7 9 8 16 12 4 10 4

PUESTO: LOS CAMBULOS  
 AÑO : 1990

DPTO: RISARALDA  
 MPPIO: BELEN DE UMBRIA

LATITUD: 05° 09'N LONGITUD: 75° 53'W  
 ALTITUD : 1400 m.

DIA	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	13.0	0.0	13.0	18.0	8.0	0.0	
2	5.0	0.0	5.0	11.0	0.0	0.0	0.0	24.0	2.0	10.0	10.0	6.0	
3	7.0	15.0	0.0	0.0	0.0	10.0	8.0	0.0	0.0	0.0	40.0	10.0	
4	0.0	0.0	0.0	10.0	5.0	5.0	0.0	0.0	0.0	9.0	0.0	55.0	
5	0.0	5.0	0.0	8.0	0.0	0.0	1.0	0.0	0.0	0.0	9.0	10.0	
6	5.0	0.0	5.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	18.0	
7	20.0	5.0	0.0	0.0	40.0	0.0	6.0	0.0	0.0	40.0	0.0	20.0	
8	0.0	35.0	0.0	0.0	7.0	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	16.0	65.0	0.0	0.0	10.0	0.0	0.0	
10	5.0	0.0	30.0	0.0	14.0	20.0	0.0	0.0	0.0	0.0	10.0	0.0	
11	0.0	25.0	0.0	46.0	32.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	
12	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	
13	12.0	0.0	0.0	50.0	0.0	5.0	24.0	0.0	0.0	15.0	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	0.0	39.0	0.0	10.0	0.0	4.0	0.0	0.0	9.0	0.0	
16	0.0	0.0	0.0	0.0	30.0	6.0	0.0	0.0	0.0	10.0	0.0	0.0	
17	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	14.0	0.0	10.0	0.0	
18	0.0	1.0	0.0	0.0	0.0	0.0	35.0	5.0	0.0	20.0	0.0	0.0	
19	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	
20	0.0	0.0	25.0	20.0	0.0	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	0.0	10.0	0.0	0.0	10.0	19.0	0.0	
22	5.0	0.0	5.0	12.0	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	33.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	
24	0.0	16.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	
25	15.0	0.0	5.0	10.0	0.0	0.0	0.0	0.0	0.0	14.0	11.0	15.0	
26	0.0	10.0	3.0	5.0	0.0	0.0	0.0	0.0	55.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	40.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	3.0	25.0	0.0	0.0	3.0	0.0	6.0	0.0	0.0	
29	0.0		0.0	9.0	0.0	0.0	12.0	0.0	0.0	0.0	10.0	0.0	
30	0.0		0.0	0.0	0.0	0.0	0.0	5.0	0.0	8.0	0.0	5.0	
31	0.0		12.0		0.0		0.0	0.0		0.0		0.0	
TOTAL	79.0	112.0	110.0	269.0	201.0	72.0	174.0	51.0	148.0	170.0	136.0	151.0	ANUAL
DIAS LLUVIA	9	8	9	14	10	7	9	6	9	12	10	9	1673.0

PUESTO: LOS NARANJOS  
 AÑO : 1990

DPTO: RISARALDA  
 MPPIO: SANTUARIO

LATITUD: 05° 03'N LONGITUD: 76° 00'W  
 ALTITUD : 1650 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1								3.0	49.0	14.0	6.0	0.0	
2								1.0	0.0	7.0	14.0	7.0	
3								0.0	0.0	3.0	3.0	2.0	
4								2.0	0.0	17.0	13.0	58.0	
5								0.0	0.0	0.0	7.0	18.0	
6								0.0	0.0	24.0	0.0	2.0	
7								0.0	1.0	12.0	0.0	13.0	
8								0.0	0.0	2.0	0.0	0.0	
9								0.0	0.0	8.0	0.0	2.0	
10								0.0	0.0	2.0	0.0	8.0	
11								0.0	4.0	54.0	0.0	0.0	
12								0.0	21.0	0.0	0.0	0.0	
13								0.0	4.0	2.0	2.0	0.0	
14								0.0	3.0	25.0	0.0	0.0	
15								0.0	0.0	0.0	0.0	0.0	
16								0.0	0.0	5.0	0.0	0.0	
17								0.0	0.0	7.0	20.0	0.0	
18								0.0	11.0	2.0	39.0	0.0	
19								0.0	0.0	0.0	1.0	0.0	
20								0.0	0.0	0.0	2.0	0.0	
21								0.0	18.0	0.0	71.0	0.0	
22								0.0	3.0	5.0	2.0	12.0	
23								0.0	39.0	0.0	0.0	0.0	
24								0.0	0.0	13.0	24.0	0.0	
25								32.0	0.0	5.0	13.0	8.0	
26								0.0	22.0	0.0	8.0	45.0	
27								1.0	0.0	3.0	2.0	0.0	
28								2.0	0.0	1.0	0.0	2.0	
29								0.0	0.0	26.0	0.0	0.0	
30								5.0	12.0	5.0	0.0	5.0	
31								10.0		8.0		8.0	
TOTAL								56.0	187.0	250.0	227.0	190.0	ANUAL
DIAS LLUVIA								8	12	23	16	14	

PUESTO: LA PALMERA  
 AÑO : 1990

DPTO: RISARALDA  
 MPIO: MARSELLA

LATITUD: 05° 00'N LONGITUD: 75° 45'W  
 ALTITUD : 1450 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC
1	6.0	0.0	0.0	0.0	1.0	45.0						
2	0.0	0.0	29.0	40.0	0.0	6.0						
3	0.0	0.0	0.0	18.0	4.0	18.0						
4	1.0	1.0	0.0	10.0	10.0	0.0						
5	0.0	9.0	0.0	50.0	8.0	0.0						
6	3.0	0.0	31.0	0.0	2.0	0.0						
7	14.0	55.0	20.0	0.0	1.0	0.0						
8	4.0	32.0	0.0	0.0	28.0	38.0						
9	2.0	5.0	0.0	0.0	0.0	23.0						
10	0.0	0.0	0.0	1.0	30.0	0.0						
11	26.0	12.0	0.0	11.0	1.0	0.0						
12	25.0	2.0	0.0	69.0	0.0	9.0						
13	0.0	0.0	0.0	12.0	30.0	0.0						
14	0.0	0.0	0.0	0.0	0.0	60.0						
15	0.0	12.0	0.0	25.0	0.0	9.0						
16	17.0	0.0	0.0	0.0	20.0	0.0						
17	4.0	6.0	23.0	6.0	0.0	0.0						
18	0.0	3.0	0.0	0.0	0.0	0.0						
19	0.0	11.0	1.0	0.0	0.0	0.0						
20	0.0	0.0	0.0	30.0	7.0	0.0						
21	1.0	0.0	0.0	0.0	0.0	0.0						
22	0.0	0.0	53.0	9.0	0.0	0.0						
23	0.0	0.0	50.0	0.0	14.0	15.0						
24	0.0	3.0	17.0	0.0	2.0	0.0						
25	25.0	0.0	24.0	37.0	0.0	10.0						
26	2.0	0.0	0.0	84.0	2.0	0.0						
27	0.0	0.0	0.0	20.0	0.0	0.0						
28	0.0	0.0	0.0	6.0	89.0	0.0						
29	0.0	0.0	0.0	0.0	0.0	0.0						
30	4.0	0.0	0.0	5.0	0.0	0.0						
31	0.0		33.0		1.0							

TOTAL 134.0 151.0 281.0 433.0 250.0 233.0  
 DIAS LLUVIA 14 12 10 17 17 10

ANUAL

PUESTO: LA TRIBUNA  
 AÑO : 1990

DPTO: RISARALDA  
 MPIO: BALBOA

LATITUD: 04° 57'N LONGITUD: 75° 57'W  
 ALTITUD : 1500 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC
1	0.0	0.0	0.0	0.0	11.0	2.0	0.0	0.0	6.0	10.0	0.0	13.0
2	27.0	0.0	1.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
3	0.0	0.0	0.0	0.0	26.0	4.0	0.0	0.0	0.0	0.0	9.0	0.0
4	11.0	0.0	0.0	6.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0
5	5.0	18.0	0.0	19.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	34.0
6	6.0	0.0	0.0	0.0	4.0	0.0	13.0	0.0	3.0	0.0	0.0	0.0
7	10.0	0.0	0.0	0.0	0.0	0.0	39.0	0.0	0.0	26.0	0.0	0.0
8	0.0	7.0	0.0	0.0	28.0	23.0	3.0	0.0	0.0	0.0	16.0	0.0
9	1.0	0.0	0.0	0.0	1.0	4.0	15.0	0.0	0.0	0.0	11.0	0.0
10	0.0	0.0	0.0	0.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	5.0	0.0	24.0	0.0	0.0	0.0	0.0	5.0	76.0	0.0	0.0
12	22.0	0.0	0.0	13.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
13	8.0	0.0	0.0	1.0	29.0	2.0	0.0	0.0	14.0	0.0	0.0	0.0
14	0.0	0.0	0.0	26.0	0.0	0.0	0.0	0.0	5.0	3.0	0.0	0.0
15	0.0	0.0	12.0	13.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0
16	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	10.0	1.0
17	0.0	0.0	11.0	3.0	0.0	0.0	10.0	0.0	0.0	0.0	2.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	21.0	6.0	0.0
19	20.0	9.0	2.0	0.0	0.0	0.0	0.0	0.0	4.0	61.0	3.0	0.0
20	0.0	0.0	13.0	41.0	11.0	0.0	25.0	0.0	0.0	0.0	15.0	0.0
21	0.0	0.0	4.0	0.0	5.0	0.0	3.0	0.0	29.0	42.0	2.0	0.0
22	0.0	0.0	16.0	23.0	0.0	40.0	0.0	0.0	0.0	0.0	3.0	0.0
23	0.0	0.0	1.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0
24	0.0	17.0	21.0	33.9	0.0	0.0	0.0	93.0	0.0	0.0	0.0	13.0
25	25.0	5.0	1.0	3.0	0.0	0.0	0.0	0.0	3.0	41.0	0.0	0.0
26	0.0	2.0	6.0	8.0	0.0	0.0	0.0	26.0	2.0	0.0	15.0	1.0
27	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	5.0
28	0.0	1.0	0.0	15.0	17.0	0.0	0.0	0.0	0.0	3.0	12.0	0.0
29	0.0	0.0	0.0	1.0	0.0	0.0	15.0	0.0	0.0	7.0	0.0	0.0
30	0.0	0.0	0.0	6.0	0.0	0.0	0.0	2.0	21.0	17.0	3.0	7.0
31	0.0		69.0		0.0		0.0	3.0		1.0		0.0

TOTAL 142.0 64.0 157.0 245.0 197.0 91.0 144.0 124.0 92.0 312.0 111.0 105.0 1784.0  
 DIAS LLUVIA 11 8 12 18 13 7 10 4 10 14 14 9 130



PUESTO: SANTA HELENA  
 AÑO : 1990

DPTO: RISARALDA  
 MPIO: SANTA ROSA DE CABAL

LATITUD: 04° 57'N LONGITUD: 75° 37'W  
 ALTITUD : m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1	3.0	0.0	1.0	1.0	2.0	2.0	10.0	0.0	31.0	16.0	2.0	78.0	
2	0.0	1.0	5.0	0.0	4.0	5.0	0.0	12.0	0.0	6.0	70.0	12.0	
3	0.0	0.0	0.0	2.0	15.0	10.0	28.0	2.0	0.0	0.0	40.0	2.0	
4	0.0	24.0	0.0	12.0	4.0	8.0	15.0	0.0	0.0	16.0	0.0	57.0	
5	0.0	10.0	0.0	40.0	10.0	0.0	1.0	0.0	0.0	18.0	3.0	32.0	
6	29.0	0.0	12.0	0.0	4.0	0.0	0.0	2.0	2.0	3.0	0.0	0.0	
7	42.0	1.0	1.0	8.0	9.0	0.0	0.0	0.0	0.0	19.0	0.0	4.0	
8	20.0	52.0	0.0	0.0	3.0	0.0	27.0	0.0	0.0	0.0	9.0	14.0	
9	0.0	8.0	0.0	0.0	0.0	10.0	16.0	0.0	0.0	20.0	2.0	0.0	
10	7.0	0.0	0.0	35.0	24.0	5.0	3.0	20.0	31.0	16.0	1.0	1.0	
11	14.0	29.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	43.0	2.0	0.0	
12	26.0	0.0	4.0	0.0	24.0	3.0	12.0	0.0	17.0	11.0	7.0	0.0	
13	0.0	0.0	0.0	27.0	0.0	14.0	0.0	14.0	6.0	9.0	0.0	0.0	
14	0.0	13.0	0.0	0.0	0.0	5.0	0.0	2.0	0.0	3.0	4.0	0.0	
15	0.0	5.0	6.0	33.0	0.0	22.0	0.0	1.0	0.0	1.0	0.0	0.0	
16	54.0	0.0	0.0	0.0	9.0	0.0	3.0	0.0	1.0	11.0	24.0	0.0	
17	27.0	0.0	55.0	9.0	2.0	3.0	0.0	5.0	0.0	9.0	2.0	0.0	
18	2.0	10.0	0.0	0.0	0.0	0.0	25.0	3.0	1.0	0.0	14.0	0.0	
19	0.0	5.0	21.0	29.0	0.0	0.0	5.0	0.0	0.0	55.0	5.0	0.0	
20	0.0	0.0	7.0	0.0	16.0	0.0	0.0	0.0	0.0	1.0	12.0	0.0	
21	0.0	0.0	3.0	0.0	3.0	0.0	0.0	0.0	14.0	2.0	25.0	0.0	
22	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	4.0	4.0	0.0	0.0	
23	0.0	0.0	26.0	0.0	15.0	16.0	5.0	0.0	0.0	0.0	1.0	15.0	
24	0.0	12.0	1.0	1.0	0.0	6.0	0.0	0.0	0.0	0.0	11.0	14.0	
25	9.0	5.0	10.0	6.0	1.0	0.0	0.0	25.0	1.0	14.0	1.0	0.0	
26	0.0	7.0	2.0	35.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	19.0	
27	0.0	1.0	0.0	24.0	22.0	0.0	0.0	4.0	1.0	0.0	3.0	0.0	
28	0.0	4.0	0.0	7.0	40.0	0.0	0.0	10.0	0.0	12.0	1.0	0.0	
29	0.0	0.0	0.0	15.0	15.0	0.0	1.0	1.0	0.0	1.0	2.0	0.0	
30	7.0	0.0	0.0	14.0	0.0	10.0	0.0	35.0	12.0	53.0	0.0	6.0	
31	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	4.0	
TOTAL	240.0	187.0	165.0	306.0	224.0	119.0	153.0	136.0	123.0	357.0	241.0	258.0	2509.0
DIAS LLUVIA	12	16	15	18	20	14	14	14	13	24	22	13	195

PUESTO: LA TERESITA  
 AÑO : 1990

DPTO: RISARALDA  
 MPIO: SANTA ROSA DE CABAL

LATITUD: 04° 57'N LONGITUD: 75° 38'W  
 ALTITUD : m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1	5.0	0.0	1.0	0.0	7.0	0.0		0.0	48.0	32.0	6.0	55.0	
2	1.0	0.0	11.0	2.0	50.0	0.0		9.0	0.0	13.0	78.0	24.0	
3	0.0	5.0	8.0	5.0	25.0	4.0		0.0	0.0	2.0	46.0	3.0	
4	2.0	4.0	2.0	27.0	20.0	6.0		0.0	0.0	1.0	2.0	45.0	
5	1.0	11.0	20.0	29.0	10.0	0.0		0.0	0.0	2.0	6.0	25.0	
6	5.0	0.0	1.0	5.0	20.0	0.0		0.0	3.0	9.0	0.0	2.0	
7	12.0	5.0	0.0	0.0	5.0	0.0		40.0	0.0	4.0	0.0	5.0	
8	10.0	29.0	0.0	0.0	2.0	4.0		2.0	10.0	2.0	0.0	25.0	
9	6.0	2.0	2.0	10.0	11.0	16.0		0.0	5.0	28.0	10.0	0.0	
10	26.0	1.0	0.0	0.0	1.0	5.0		0.0	1.0	12.0	0.0	0.0	
11	3.0	20.0	0.0	5.0	0.0	2.0		0.0	32.0	45.0	5.0	0.0	
12	15.0	2.0	1.0	1.0	38.0	10.0		0.0	1.0	0.0	2.0	0.0	
13	5.0	1.0	0.0	2.0	0.0	0.0		30.0	3.0	0.0	0.0	0.0	
14	0.0	27.0	0.0	27.0	0.0	2.0		0.0	5.0	15.0	0.0	0.0	
15	23.0	2.0	0.0	5.0	2.0	30.0		9.0	2.0	0.0	0.0	0.0	
16	4.0	1.0	2.0	1.0	23.0	29.0		0.0	0.0	72.0	4.0	0.0	
17	14.0	2.0	74.0	3.0	0.0	3.0		0.0	0.0	4.0	14.0	0.0	
18	0.0	13.0	3.0	0.0	5.0	0.0		0.0	0.0	3.0	20.0	0.0	
19	4.0	8.0	2.0	2.0	10.0	0.0		6.0	2.0	47.0	15.0	0.0	
20	0.0	1.0	2.0	10.0	25.0	0.0		0.0	0.0	5.0	4.0	0.0	
21	0.0	0.0	1.0	37.0	10.0	0.0		0.0	5.0	7.0	5.0	0.0	
22	0.0	0.0	20.0	9.0	2.0	0.0		0.0	0.0	2.0	0.0	0.0	
23	0.0	0.0	18.0	1.0	36.0	13.0		0.0	5.0	7.0	3.0	0.0	
24	0.0	1.0	10.0	3.0	3.0	3.0		0.0	2.0	0.0	4.0	30.0	
25	0.0	10.0	13.0	12.0	1.0	0.0		36.0	10.0	10.0	5.0	3.0	
26	1.0	0.0	1.0	0.0	0.0	0.0		10.0	5.0	5.0	1.0	0.0	
27	3.0	2.0	0.0	0.0	30.0	20.0		0.0	1.0	0.0	0.0	0.0	
28	1.0	0.0	2.0	2.0	35.0	2.0		0.0	4.0	23.0	5.0	0.0	
29	0.0	0.0	5.0	5.0	4.0	0.0		3.0	7.0	34.0	3.0	0.0	
30	0.0	0.0	1.0	50.0	0.0	4.0		22.0	1.0	57.0	2.0	0.0	
31	0.0	0.0	2.0	0.0	0.0	0.0		0.0	0.0	3.0	0.0	7.0	
TOTAL	141.0	147.0	202.0	253.0	375.0	153.0		167.0	152.0	444.0	240.0	224.0	ANUAL
DIAS LLUVIA	19	20	23	23	24	16		10	20	26	21	11	195

PUESTO: EL CASTILLO  
 AÑO : 1990

DPTO: RISARALDA LATITUD: 04° 56'N LONGITUD: 75° 40'W  
 MPPIO: SANTA ROSA DE CABAL ALTITUD : 1550 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1	0.0	0.0	0.0	0.0	10.0	5.0	30.0	0.0	30.0	30.0	15.0	20.0	
2	0.0	0.0	25.0	20.0	0.0	0.0	10.0	0.0	0.0	0.0	50.0	30.0	
3	0.0	0.0	10.0	10.0	30.0	0.0	0.0	0.0	0.0	0.0	60.0	5.0	
4	0.0	5.0	0.0	0.0	20.0	0.0	25.0	0.0	0.0	45.0	0.0	20.0	
5	5.0	0.0	15.0	75.0	15.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	
6	0.0	0.0	0.0	0.0	5.0	0.0	0.0	30.0	0.0	5.0	0.0	0.0	
7	10.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	20.0	50.0	0.0	
8	30.0	20.0	0.0	5.0	0.0	0.0	5.0	0.0	10.0	0.0	10.0	0.0	
9	0.0	10.0	5.0	0.0	20.0	10.0	15.0	0.0	5.0	20.0	5.0	0.0	
10	15.0	5.0	0.0	5.0	0.0	35.0	0.0	0.0	0.0	15.0	0.0	0.0	
11	35.0	15.0	0.0	15.0	5.0	0.0	0.0	20.0	40.0	40.0	0.0	0.0	
12	5.0	0.0	0.0	75.0	0.0	15.0	25.0	0.0	0.0	0.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	20.0	10.0	0.0	5.0	0.0	10.0	5.0	0.0	
14	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	15.0	0.0	
15	0.0	10.0	10.0	15.0	0.0	40.0	0.0	10.0	0.0	0.0	0.0	0.0	
16	30.0	0.0	0.0	0.0	25.0	0.0	5.0	0.0	0.0	70.0	20.0	0.0	
17	0.0	0.0	85.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18	0.0	10.0	0.0	0.0	0.0	0.0	20.0	5.0	0.0	0.0	5.0	0.0	
19	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0	0.0	0.0	
20	0.0	0.0	0.0	30.0	20.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	
21	0.0	0.0	5.0	0.0	10.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	
22	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	
23	0.0	0.0	0.0	0.0	40.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	
24	0.0	5.0	0.0	0.0	10.0	0.0	60.0	0.0	0.0	20.0	0.0	10.0	
25	10.0	10.0	25.0	25.0	0.0	0.0	0.0	40.0	25.0	10.0	5.0	0.0	
26	0.0	0.0	10.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	20.0	25.0	30.0	0.0	0.0	0.0	5.0	0.0	0.0	
28	0.0	0.0	0.0	5.0	5.0	0.0	0.0	95.0	0.0	20.0	5.0	0.0	
29	0.0	0.0	0.0	10.0	10.0	0.0	5.0	0.0	0.0	35.0	25.0	15.0	
30	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	10.0	0.0	15.0	0.0	
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	5.0	0.0	
TOTAL	140.0	110.0	205.0	380.0	270.0	155.0	230.0	205.0	130.0	430.0	290.0	110.0	2655.0
DIAS LLUVIA	8	10	10	16	16	8	11	7	8	18	15	8	135

PUESTO: LA MORENITA  
 AÑO : 1990

DPTO: RISARALDA LATITUD: 04° 54'N LONGITUD: 75° 46'W  
 MPPIO: MARSELLA ALTITUD : 1440 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1	35.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	
2	0.0	0.0	8.0	0.0	0.0	0.0	15.0	0.0	0.0	30.0	48.0	30.0	
3	0.0	0.0	0.0	50.0	0.0	15.0	31.0	0.0	0.0	0.0	25.0	14.0	
4	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	16.5	
5	15.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	
6	0.0	10.0	0.0	0.0	23.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	
7	19.0	20.0	0.0	0.0	0.0	0.0	60.0	0.0	0.0	15.0	0.0	30.0	
8	10.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	18.0	13.0	45.0	0.0	
9	0.0	0.0	0.0	45.0	0.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	
10	0.0	0.0	0.0	0.0	45.0	0.0	0.0	0.0	0.0	45.0	18.0	0.0	
11	30.0	10.0	0.0	52.0	0.0	45.0	3.1	0.0	0.0	30.0	0.0	0.0	
12	0.0	0.0	10.0	45.0	10.0	0.0	0.0	0.0	25.0	15.0	0.0	0.0	
13	0.0	0.0	0.0	30.0	0.0	80.0	0.0	0.0	0.0	60.0	0.0	0.0	
14	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15	0.0	0.0	0.0	45.0	0.0	0.0	0.0	0.0	0.0	45.0	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	10.0	37.0	
17	0.0	7.0	50.0	0.0	0.0	15.0	0.0	0.0	30.0	0.0	0.0	0.0	
18	0.0	0.0	0.0	10.0	0.0	0.0	45.0	0.0	0.0	0.0	15.0	0.0	
19	0.0	20.0	10.0	0.0	20.0	15.0	0.0	0.0	60.0	60.0	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	0.0	10.0	
21	0.0	0.0	0.0	0.0	50.0	0.0	95.0	0.0	55.0	19.5	0.0	0.0	
22	0.0	0.0	0.0	0.0	15.0	30.0	0.0	0.0	30.0	0.0	0.0	0.0	
23	0.0	0.0	30.0	0.0	35.0	15.0	35.0	0.0	0.0	0.0	0.0	0.0	
24	0.0	19.0	0.0	25.0	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	13.0	30.0	15.0	0.0	
26	0.0	0.0	20.0	0.0	0.0	0.0	15.0	0.0	15.0	0.0	0.0	10.0	
27	30.0	0.0	0.0	0.0	60.0	0.0	0.0	82.6	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	0.0	0.0	30.0	11.2	0.0	30.0	15.0	0.0	0.0	
29	0.0	0.0	35.0	31.5	0.0	0.0	0.0	0.0	0.0	0.0	15.0	15.0	
30	15.0	0.0	0.0	0.0	0.0	45.0	0.0	13.0	34.0	15.0	18.0	30.0	
31	0.0	0.0	0.0	0.0	25.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	
TOTAL	154.0	101.0	163.0	333.5	328.0	350.0	355.3	110.6	310.0	432.5	246.0	207.5	3091.4
DIAS LLUVIA	7	7	7	9	11	10	11	3	10	14	11	10	110

PUESTO: COMBIA  
AÑO : 1990

DPTO: RISARALDA  
MPIO: PEREIRA

LATITUD: 04° 51'N LONGITUD: 75° 47'W  
ALTITUD : 1240 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	1.0	0.0	0.0	0.0	0.0	0.0	19.0	0.0	15.0	15.0	0.0	10.0	
2	1.0	0.0	5.0	2.0	0.0	4.0	1.0	10.0	0.0	2.0	17.0	2.0	
3	0.0	0.0	1.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	25.0	3.0	
4	0.0	0.0	0.0	20.0	0.0	7.0	1.0	0.0	0.0	0.0	11.0	33.0	
5	4.0	20.0	0.0	8.0	14.0	0.0	0.0	0.0	0.0	0.0	7.0	11.0	
6	0.0	0.0	0.0	17.0	11.0	0.0	10.0	0.0	1.0	33.0	0.0	0.0	
7	7.0	3.0	0.0	0.0	6.0	0.0	4.0	0.0	0.0	18.0	0.0	1.0	
8	3.0	44.0	0.0	0.0	4.0	0.0	12.0	0.0	0.0	0.0	4.0	0.0	
9	28.0	0.0	0.0	0.0	32.0	0.0	3.0	0.0	0.0	27.0	1.0	0.0	
10	5.0	0.0	0.0	0.0	5.0	5.0	1.0	0.0	0.0	1.0	2.0	0.0	
11	2.0	6.0	0.0	0.0	3.0	0.0	0.0	0.0	26.0	27.0	0.0	0.0	
12	4.0	1.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0	
13	0.0	0.0	0.0	3.0	20.0	1.0	0.0	0.0	3.0	0.0	0.0	0.0	
14	0.0	0.0	5.0	9.0	0.0	0.0	0.0	0.0	10.0	2.0	1.0	0.0	
15	0.0	0.0	1.0	66.0	0.0	11.0	0.0	0.0	0.0	1.0	0.0	0.0	
16	7.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	15.0	44.0	0.0	
17	0.0	0.0	26.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	
18	0.0	0.0	1.0	0.0	1.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	
19	0.0	4.0	0.0	12.0	23.0	0.0	0.0	0.0	5.0	12.0	0.0	0.0	
20	0.0	13.0	0.0	30.0	1.0	0.0	31.0	0.0	0.0	0.0	0.0	0.0	
21	8.0	0.0	5.0	0.0	0.0	0.0	3.0	0.0	17.0	0.0	6.0	0.0	
22	1.0	0.0	1.0	6.0	35.0	0.0	0.0	0.0	1.0	7.0	0.0	0.0	
23	0.0	0.0	15.0	1.0	1.0	5.0	0.0	0.0	26.0	0.0	5.0	1.0	
24	0.0	7.0	5.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	15.0	
25	0.0	0.0	9.0	35.0	0.0	0.0	0.0	0.0	3.0	8.0	1.0	13.0	
26	2.0	1.0	0.0	22.0	0.0	0.0	0.0	5.0	13.0	0.0	0.0	12.0	
27	0.0	0.0	0.0	12.0	0.0	2.0	0.0	5.0	0.0	7.0	0.0	14.0	
28	0.0	0.0	0.0	26.0	17.0	0.0	4.0	12.0	0.0	0.0	7.0	0.0	
29	0.0	0.0	0.0	0.0	10.0	0.0	1.0	0.0	0.0	2.0	5.0	0.0	
30	0.0	0.0	1.0	11.0	0.0	0.0	0.0	1.0	14.0	7.0	9.0	12.0	
31	0.0	0.0	8.0	0.0	0.0	0.0	0.0	9.0	2.0	2.0	0.0	0.0	
TOTAL	73.0	99.0	83.0	296.0	193.0	36.0	102.0	42.0	134.0	189.0	146.0	127.0	ANUAL
DIAS LLUVIA	13	9	13	17	16	8	15	6	12	18	16	12	1520.0
													155

PUESTO: EL BOSQUE  
AÑO : 1990

DPTO: RISARALDA  
MPIO: DOSQUEBRADAS

LATITUD: 04° 50'N LONGITUD: 75° 41'W  
ALTITUD : 1450 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	4.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	41.0	0.0	0.0	
2	0.0	0.0	19.0	0.0	4.0	0.0	5.0	0.0	0.0	5.0	7.0	20.0	
3	0.0	0.0	1.0	10.0	12.0	22.0	0.0	0.0	0.0	10.0	15.0	2.0	
4	12.0	10.0	0.0	12.0	10.0	5.0	0.0	0.0	0.0	15.0	20.0	0.0	
5	0.0	0.0	0.0	9.0	0.0	0.0	20.0	0.0	0.0	10.0	15.0	0.0	
6	4.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0	30.0	0.0	0.0	
7	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	
8	1.0	74.0	0.0	0.0	19.0	0.0	16.0	0.0	4.0	15.0	20.0	0.0	
9	16.0	0.0	0.0	0.0	30.0	0.0	45.0	0.0	7.0	20.0	15.0	0.0	
10	3.0	0.0	0.0	0.0	25.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	
11	23.0	21.0	0.0	11.0	5.0	1.0	0.0	0.0	0.0	10.0	0.0	16.0	
12	4.0	12.0	0.0	4.0	7.0	0.0	7.0	0.0	0.0	28.0	40.0	0.0	
13	0.0	0.0	0.0	19.0	65.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	
14	0.0	4.0	0.0	7.0	0.0	0.0	0.0	0.0	16.0	20.0	10.0	0.0	
15	0.0	0.0	19.0	54.0	0.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	
16	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	88.0	0.0	
17	0.0	0.0	78.0	6.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	
18	10.0	43.0	0.0	25.0	4.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	
19	4.0	0.0	0.0	30.0	0.0	0.0	31.0	0.0	4.0	0.0	0.0	0.0	
20	0.0	0.0	3.0	19.0	13.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	
21	7.0	0.0	26.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	47.0	0.0	
22	0.0	0.0	3.0	12.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	
23	0.0	0.0	27.0	6.0	19.0	0.0	0.0	0.0	0.0	23.0	0.0	10.0	
24	0.0	15.0	0.0	20.0	0.0	15.0	0.0	0.0	5.0	7.0	0.0	12.0	
25	0.0	5.0	22.0	11.0	0.0	0.0	0.0	0.0	4.0	8.0	0.0	5.0	
26	0.0	10.0	14.0	2.0	0.0	0.0	0.0	12.0	16.0	10.0	13.0	25.0	
27	0.0	0.0	0.0	29.0	0.0	3.0	0.0	20.0	0.0	40.0	0.0	30.0	
28	0.0	0.0	0.0	10.0	3.0	0.0	22.0	18.0	0.0	10.0	30.0	0.0	
29	10.0	0.0	0.0	0.0	1.0	0.0	2.0	0.0	0.0	20.0	0.0	0.0	
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.0	5.0	70.0	36.0	
31	0.0	0.0	31.0	0.0	0.0	0.0	5.0	6.0	3.0	3.0	0.0	0.0	
TOTAL	119.0	194.0	243.0	296.0	217.0	119.0	178.0	56.0	137.0	400.0	394.0	156.0	ANUAL
DIAS LLUVIA	14	9	11	19	14	7	11	4	11	24	14	9	2509.0
													147

PUESTO: LA PLAYA  
ANO : 1990

DPTO: RISARALDA  
MPIO: PEREIRA

LATITUD: 04° 50'N LONGITUD: 76° 46'W  
ALTITUD : 1230 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	3.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	5.0	17.0	0.0	5.0	
2	0.0	0.0	4.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0	40.0	0.0	
3	0.0	0.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	15.0	0.0	
4	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.0	
5	11.0	31.0	0.0	0.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6	0.0	0.0	0.0	41.0	34.0	0.0	12.0	0.0	0.0	84.0	0.0	0.0	
7	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	18.0	15.0	11.0	
8	0.0	55.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	
9	40.0	0.0	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	0.0	
10	10.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	17.0	7.0	0.0	
11	13.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	41.0	0.0	0.0	
12	0.0	0.0	0.0	0.0	3.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	13.0	0.0	0.0	0.0	
14	0.0	0.0	10.0	37.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	
15	0.0	0.0	4.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16	11.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	
17	0.0	0.0	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18	0.0	4.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	
19	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	
20	0.0	0.0	0.0	25.0	21.0	0.0	41.0	0.0	0.0	0.0	0.0	0.0	
21	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	0.0	38.0	0.0	
22	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	
23	0.0	0.0	15.0	42.0	35.0	38.0	0.0	0.0	33.0	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	20.0	
25	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
26	0.0	0.0	10.0	22.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	1.0	0.0	0.0	0.0	16.0	0.0	32.0	0.0	21.0	
28	0.0	0.0	0.0	35.0	30.0	0.0	10.0	10.0	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	50.0	0.0	
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	14.0	0.0	25.0	
31	0.0	0.0	37.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0	0.0	0.0	
TOTAL	88.0	116.0	131.0	270.0	209.0	48.0	131.0	61.0	124.0	253.0	178.0	118.0	ANUAL
DIAS LLUVIA	6	5	8	12	11	2	7	4	9	9	7	6	1727.0 86

PUESTO: LOS CAMBULOS  
ANO : 1990

DPTO: RISARALDA  
MPIO: PEREIRA

LATITUD: 04° 49'N LONGITUD: 75° 50'W  
ALTITUD : 1240 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1					2.0	0.0	11.0	0.0	12.0	12.0	0.0	27.0	
2					0.0	0.0	0.0	0.0	0.0	0.0	7.0	14.0	
3					0.0	0.0	0.0	0.0	0.0	0.0	6.0	1.0	
4					2.0	7.0	0.0	0.0	0.0	5.0	31.0	24.0	
5					1.0	0.0	0.0	0.0	0.0	3.0	3.0	0.0	
6					0.0	0.0	10.0	0.0	0.0	12.0	0.0	5.0	
7					0.0	0.0	14.0	0.0	0.0	22.0	0.0	0.0	
8					0.0	0.0	17.0	0.0	0.0	0.0	0.0	0.0	
9					12.0	2.0	10.0	0.0	0.0	13.0	0.0	0.0	
10					16.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	
11					1.0	0.0	0.0	0.0	13.0	4.0	0.0	0.0	
12					0.0	0.0	36.0	0.0	0.0	0.0	0.0	0.0	
13					20.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	
14					0.0	1.0	0.0	0.0	0.0	3.0	3.0	0.0	
15					0.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	
16					0.0	3.0	0.0	0.0	0.0	9.0	63.0	0.0	
17					0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	
18					0.0	0.0	7.0	0.0	0.0	6.0	1.0	0.0	
19					4.0	0.0	0.0	0.0	7.0	39.0	0.0	0.0	
20					24.0	0.0	26.0	0.0	0.0	0.0	0.0	0.0	
21					1.0	0.0	17.0	0.0	22.0	0.0	0.0	0.0	
22					0.0	0.0	0.0	0.0	0.0	35.0	0.0	0.0	
23					8.0	6.0	0.0	0.0	23.0	0.0	1.0	0.0	
24					0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	
25					0.0	0.0	0.0	0.0	10.0	24.0	0.0	0.0	
26					0.0	0.0	0.0	10.0	29.0	0.0	0.0	13.0	
27					0.0	2.0	0.0	6.0	0.0	0.0	0.0	10.0	
28					19.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	
29					10.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	
30					0.0	0.0	0.0	0.0	29.0	8.0	24.0	0.0	
31					0.0	0.0	0.0	2.0	0.0	13.0	0.0	0.0	
TOTAL					120.0	43.0	149.0	18.0	148.0	212.0	140.0	101.0	ANUAL
DIAS LLUVIA					13	8	10	3	9	16	10	8	

PUESTO: LA RENTA  
ANO : 1990

DPTO: RISARALDA  
MPIO: PEREIRA

LATITUD: 04° 47'N LONGITUD: 75° 42'W  
ALTITUD : 1250 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	1.0	4.0	
2	1.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	27.0	15.0	
3	0.0	0.0	2.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	9.0	2.0	
4	0.0	7.0	3.0	13.0	6.0	20.0	3.0	0.0	0.0	3.0	13.0	66.0	
5	6.0	18.0	0.0	0.0	4.0	0.0	0.0	0.0	6.0	1.0	45.0	11.0	
6	1.0	0.0	1.0	0.0	1.0	0.0	28.0	0.0	0.0	6.0	0.0	0.0	
7	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	19.0	0.0	10.0	
8	0.0	45.0	0.0	0.0	0.0	0.0	20.0	1.0	0.0	1.0	0.0	2.0	
9	3.0	5.0	0.0	0.0	38.0	2.0	8.0	0.0	0.0	4.0	0.0	0.0	
10	6.0	0.0	3.0	24.0	5.0	16.0	0.0	0.0	0.0	1.0	0.0	2.0	
11	2.0	4.0	0.0	1.0	0.0	0.0	3.0	0.0	2.0	29.0	1.0	0.0	
12	31.0	2.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	24.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	6.0	0.0	3.0	0.0	1.0	0.0	3.0	0.0	1.0	
15	0.0	1.0	1.0	31.0	10.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	
16	6.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	16.0	19.0	0.0	
17	0.0	0.0	36.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18	0.0	0.0	4.0	0.0	0.0	0.0	6.0	6.0	0.0	11.0	0.0	0.0	
19	0.0	2.0	3.0	4.0	10.0	0.0	0.0	0.0	25.0	33.0	0.0	0.0	
20	0.0	0.0	0.0	75.0	1.0	0.0	16.0	0.0	0.0	0.0	0.0	1.0	
21	2.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	33.0	0.0	2.0	0.0	
22	0.0	9.0	1.0	6.0	1.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	
23	0.0	0.0	41.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	3.0	0.0	
24	0.0	1.0	2.0	0.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	
25	0.0	2.0	12.0	34.0	0.0	0.0	0.0	0.0	3.0	62.0	0.0	2.0	
26	5.0	0.0	1.0	3.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	13.0	
27	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	
28	0.0	0.0	0.0	17.0	44.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	
29	0.0	0.0	0.0	0.0	4.0	0.0	7.0	0.0	0.0	0.0	14.0	0.0	
30	0.0	0.0	0.0	3.0	0.0	0.0	0.0	4.0	14.0	4.0	0.0	13.0	
31	0.0	0.0	7.0	0.0	0.0	0.0	0.0	3.0	18.0	18.0	0.0	0.0	
TOTAL	77.0	96.0	120.0	239.0	154.0	73.0	99.0	23.0	95.0	269.0	134.0	142.0	ANUAL
DIAS LLUVIA	12	11	15	14	15	7	11	7	8	20	10	13	1521.0 143

PUESTO: HIROSHIMA  
ANO : 1990

DPTO: RISARALDA  
MPIO: PEREIRA

LATITUD: 04° 46'N LONGITUD: 75° 44'W  
ALTITUD : 1340 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	8.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	70.0	10.0	12.0	
2	12.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	30.0	
3	0.0	0.0	1.0	0.0	35.0	0.0	0.0	0.0	0.0	15.0	30.0	20.0	
4	0.0	6.0	0.0	19.0	15.0	58.0	0.0	0.0	0.0	21.0	12.0	10.0	
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	24.0	
6	8.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	9.0	34.0	0.0	0.0	
7	10.0	0.0	0.0	0.0	3.0	0.0	17.0	0.0	0.0	56.0	0.0	5.0	
8	2.0	96.0	0.0	0.0	35.0	0.0	32.0	0.0	0.0	0.0	0.0	0.0	
9	0.0	0.0	0.0	0.0	13.0	0.0	13.0	0.0	8.0	8.0	1.0	0.0	
10	1.0	0.0	0.0	0.0	26.0	0.0	0.0	0.0	3.0	1.0	0.0	0.0	
11	45.0	76.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	3.0	0.0	
12	0.0	0.0	0.0	1.0	10.0	0.0	0.0	0.0	0.0	81.0	0.0	0.0	
13	0.0	24.0	0.0	2.0	15.0	45.0	3.0	7.0	3.0	1.0	0.0	0.0	
14	0.0	0.0	15.0	15.0	1.0	15.0	9.0	5.0	0.0	9.0	0.0	20.0	
15	0.0	0.0	57.0	4.0	0.0	27.0	0.0	0.0	0.0	1.0	0.0	34.0	
16	6.0	1.0	1.0	10.0	0.0	0.0	12.0	0.0	0.0	42.0	0.0	0.0	
17	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	5.0	1.0	40.0	7.0	
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.0	0.0	0.0	
19	17.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	9.0	0.0	10.0	
20	0.0	9.0	0.0	73.0	7.0	0.0	35.0	0.0	0.0	8.0	13.0	0.0	
21	26.0	27.0	27.0	0.0	0.0	10.0	0.0	0.0	71.0	0.0	0.0	0.0	
22	0.0	5.0	5	15.0	1.0	16.0	0.0	0.0	5.0	3.0	0.0	0.0	
23	0.0	0.0	17.0	0.0	7.0	0.0	0.0	0.0	12.0	1.0	0.0	0.0	
24	0.0	20.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	
25	0.0	0.0	0.0	10.0	0.0	0.0	10.0	0.0	43.0	0.0	10.0	0.0	
26	6.0	0.0	24.0	26.0	0.0	0.0	0.0	8.0	41.0	63.0	0.0	7.0	
27	0.0	0.0	0.0	15.0	0.0	0.0	0.0	7.0	0.0	1.0	26.0	0.0	
28	0.0	0.0	0.0	25.0	98.0	4.0	0.0	1.0	0.0	18.0	10.0	0.0	
29	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	32.0	
30	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	52.0	8.0	5.0	0.0	
31	0.0	0.0	65.0	0.0	3.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	
TOTAL	141.0	264.0	214.0	276.0	269.0	185.0	134.0	33.0	260.0	506.0	196.0	221.0	ANUAL
DIAS LLUVIA	11	9	11	16	14	8	9	6	12	23	13	13	2699.0 145

PUESTO: LA ABUELITA  
 AÑO : 1990

DPTO: RISARALDA  
 MPIO: PEREIRA

LATITUD: 04° 44'N LONGITUD: 75° 47'W  
 ALTITUD : 1250 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC
1	19.4	0.0	0.0	0.0	0.0	2.3	4.2	0.0	0.0			
2	5.6	0.0	0.0	7.6	0.0	0.0	0.0	2.2	3.2			
3	0.0	0.0	2.3	2.3	9.4	0.0	0.0	0.0	0.0			
4	0.0	3.2	0.0	9.8	0.0	15.7	6.4	0.0	9.6			
5	8.6	13.8	3.4	0.0	0.0	0.0	3.2	0.0	0.0			
6	70.0	0.0	9.3	15.8	0.0	0.0	0.0	0.0	0.0			
7	9.6	0.0	0.0	0.0	5.3	0.0	4.3	3.2	0.0			
8	3.2	41.6	0.0	0.0	0.0	0.0	8.5	0.0	0.0			
9	26.5	2.3	4.3	2.3	4.3	3.2	7.2	0.0	0.0			
10	16.4	0.0	0.0	8.2	3.6	12.0	0.0	0.0	0.0			
11	0.0	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
12	37.0	2.3	0.0	2.1	0.0	0.0	0.0	0.0	0.0			
13	0.0	0.0	0.0	1.2	4.3	9.4	0.0	0.0	0.0			
14	0.0	0.0	0.0	0.0	5.4	0.0	0.0	7.4	0.0			
15	0.0	2.2	7.4	15.4	0.0	27.3	0.0	0.0	0.0			
16	0.0	0.0	0.0	3.2	0.0	0.0	2.4	0.0	0.0			
17	0.0	0.0	0.0	23.2	0.0	0.0	4.7	0.0	0.0			
18	0.0	4.2	52.0	0.0	3.2	0.0	9.3	0.0	0.0			
19	0.0	0.0	2.2	4.2	0.0	0.0	3.2	0.0	27.9			
20	0.0	2.2	0.0	34.6	0.0	0.0	11.4	0.0	0.0			
21	0.0	0.0	4.5	4.5	0.0	0.0	0.0	0.0	11.6			
22	0.0	22.8	0.0	28.4	0.0	7.5	0.0	0.0	3.2			
23	0.0	0.0	18.2	0.0	0.0	0.0	2.4	0.0	2.1			
24	0.0	7.4	0.0	9.7	3.2	49.0	0.0	0.0	0.0			
25	0.0	0.0	12.4	22.1	0.0	0.0	0.0	4.3	3.2			
26	0.0	0.0	13.9	15.8	0.0	0.0	3.2	0.0	9.1			
27	0.0	0.0	0.0	40.3	0.0	0.0	0.0	2.2	2.3			
28	0.0	0.0	0.0	7.8	9.4	0.0	0.0	0.0	0.0			
29	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0			
30	0.0	0.0	7.5	4.2	0.0	0.0	0.0	4.2	6.5			
31	0.0	0.0	12.4	0.0	0.0	0.0	0.0	0.0				

TOTAL DIAS LLUVIA 196.3 114.3 149.8 262.7 51.3 126.4 70.4 23.5 78.7  
 9 11 13 21 10 8 13 6 10

ANUAL

PUESTO: EL SILENCIO  
 AÑO : 1990

DPTO: SANTANDER  
 MPIO: RIONEGRO

LATITUD: 07° 24'N LONGITUD: 73° 13'W  
 ALTITUD : 1120 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC
1	0.0	0.0	0.0	8.0	14.0	0.0	25.0	5.0	0.0	6.0	12.0	12.0
2	5.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	15.0
3	0.0	0.0	0.0	12.0	0.0	0.0	0.0	35.0	0.0	0.0	0.0	8.0
4	0.0	0.0	0.0	28.0	0.0	0.0	15.0	5.0	0.0	1.0	5.0	9.0
5	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	12.0	0.0	50.0
6	0.0	0.0	10.0	32.0	8.0	5.0	0.0	11.0	0.0	0.0	0.0	10.0
7	0.0	0.0	22.0	6.0	0.0	0.0	5.0	8.0	0.0	5.0	0.0	10.0
8	0.0	0.0	0.0	0.0	4.0	0.0	1.0	13.0	5.0	0.0	1.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	8.0	50.0	43.0	0.0
10	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	9.0	5.0	0.0
11	0.0	0.0	0.0	50.0	0.0	0.0	2.0	24.0	20.0	0.0	0.0	0.0
12	0.0	40.0	0.0	45.0	22.0	0.0	6.0	18.0	26.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	2.0	4.0	5.0	0.0	2.0	0.0	0.0
14	0.0	0.0	0.0	5.0	1.0	0.0	0.0	12.0	20.0	5.0	11.0	0.0
15	54.0	0.0	0.0	6.0	0.0	0.0	6.0	0.0	5.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.0	0.0	11.0	2.0	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	0.0	2.0	5.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	6.0	0.0
20	5.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	21.0	0.0	8.0	0.0
21	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	9.0	8.0	5.0	0.0
22	0.0	0.0	0.0	0.0	23.0	0.0	0.0	0.0	12.0	0.0	43.0	0.0
23	0.0	64.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0
24	0.0	0.0	0.0	0.0	5.0	0.0	0.0	9.0	0.0	0.0	19.0	0.0
25	0.0	0.0	0.0	58.0	0.0	0.0	2.0	0.0	15.0	10.0	0.0	0.0
26	0.0	0.0	0.0	18.0	0.0	0.0	0.0	35.0	5.0	88.0	84.0	0.0
27	0.0	0.0	95.0	0.0	1.0	0.0	0.0	5.0	13.0	5.0	0.0	0.0
28	0.0	0.0	0.0	5.0	2.0	0.0	1.0	28.0	8.0	0.0	8.0	0.0
29	0.0	0.0	0.0	11.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
30	92.0	0.0	0.0	35.0	4.0	0.0	8.0	5.0	9.0	20.0	5.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	5.0	0.0	0.0

TOTAL DIAS LLUVIA 156.0 104.0 127.0 326.0 104.0 7.0 111.0 253.0 176.0 245.0 262.0 114.0 1985.0  
 4 2 3 16 13 2 15 19 14 17 16 7 128

PUESTO: PALESTINA  
AÑO : 1990

DPTO: SANTANDER  
MPIO: RIONEGRO

LATITUD: 07° 19'N LONGITUD: 73° 07'W  
ALTITUD : 1350 m.

DIA	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	4.0	0.0	2.0	6.0	0.0	
2	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	
3	0.0	0.0	10.0	35.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4	10.0	40.0	0.0	25.0	0.0	15.0	0.0	0.0	0.0	0.0	34.0	0.0	
5	0.0	0.0	15.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	
6	5.0	0.0	0.0	15.0	40.0	0.0	0.0	2.0	0.0	8.0	5.0	0.0	
7	5.0	20.0	22.0	0.0	0.0	0.0	6.0	15.0	0.0	4.0	0.0	8.0	
8	0.0	0.0	0.0	0.0	37.0	0.0	0.0	0.0	0.0	4.0	0.0	12.0	
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0	0.0	10.0	
10	0.0	0.0	0.0	0.0	10.0	5.0	0.0	24.0	0.0	0.0	1.0	0.0	
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	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	0.0	4.0	7.0	0.0	14.0	0.0	0.0	2.0	0.0	
14	0.0	15.0	30.0	15.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	
15	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	9.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	4.0	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	11.0	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	8.0	0.0	
19	0.0	0.0	15.0	0.0	15.0	0.0	0.0	0.0	0.0	10.0	18.0	0.0	
20	0.0	0.0	0.0	35.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	25.0	0.0	
22	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	5.0	0.0	
23	0.0	0.0	45.0	60.0	10.0	0.0	10.0	0.0	10.0	11.0	0.0	0.0	
24	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	10.0	1.0	11.0	0.0	
25	0.0	0.0	30.0	40.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	
26	45.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	5.0	0.0	0.0	
27	0.0	0.0	0.0	0.0	15.0	0.0	9.0	0.0	0.0	4.0	0.0	1.0	
28	0.0	0.0	0.0	10.0	0.0	0.0	0.0	35.0	0.0	3.0	18.0	11.0	
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	8.0	0.0	0.0	
30	15.0	0.0	0.0	10.0	15.0	0.0	0.0	0.0	0.0	3.0	0.0	5.0	
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	4.0	
TOTAL	80.0	115.0	167.0	274.0	171.0	35.0	37.0	104.0	42.0	130.0	142.0	107.0	ANUAL
DIAS LLUVIA	5	5	7	10	10	4	5	8	5	17	12	9	1404.0

PUESTO: COCAL  
AÑO : 1990

DPTO: SANTANDER  
MPIO: RIONEGRO

LATITUD: 07° 16'N LONGITUD: 73° 09'W  
ALTITUD : 700 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	10.0	0.0	0.0	20.0	7.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	
3	0.0	0.0	0.0	16.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	
4	0.0	13.0	0.0	14.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	19.0	
5	0.0	20.0	0.0	17.0	0.0	0.0	3.0	0.0	0.0	0.0	15.0	14.0	
6	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	18.0	
7	0.0	0.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	
8	15.0	0.0	48.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	24.0	4.0	
9	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	7.0	
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	36.0	0.0	0.0	
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	11.0	0.0	0.0	
12	48.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	6.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	0.0	0.0	13.0	0.0	5.0	0.0	0.0	0.0	0.0	
15	0.0	0.0	0.0	3.0	0.0	0.0	13.0	0.0	21.0	0.0	0.0	0.0	
16	0.0	0.0	14.0	0.0	0.0	3.0	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	0.0	0.0	0.0	0.0	0.0	0.0	
18	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	9.0	17.0	0.0	
19	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	
20	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	
21	0.0	0.0	12.0	13.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	
22	0.0	19.0	0.0	20.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	
23	0.0	0.0	17.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	
24	0.0	4.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	
25	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
26	0.0	0.0	20.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
27	13.0	0.0	5.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	4.0	38.0	0.0	7.0	1.0	0.0	0.0	0.0	0.0	
29	0.0	0.0	0.0	6.0	0.0	0.0	4.0	6.0	0.0	3.0	63.0	3.0	
30	3.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	
TOTAL	89.0	69.0	155.0	146.0	49.0	18.0	38.0	60.0	81.0	102.0	149.0	78.0	ANUAL
DIAS LLUVIA	5	5	10	13	3	3	6	9	7	11	5	8	1034.0

PUESTO: LOS COCOS  
 AÑO : 1990

DPTO: SANTANDER  
 MPIO: RIONEGRO

LATITUD: 07° 14'N LONGITUD: 73° 07'W  
 ALTITUD : 1300 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	12.0	0.0	0.0	31.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	0.0	10.0	10.0	5.0	0.0	0.0	0.0	4.0	8.0	0.0	0.0	0.0	
3	0.0	4.0	0.0	32.0	0.0	0.0	0.0	3.0	0.0	2.0	3.0	11.0	
4	0.0	17.0	1.0	6.0	4.0	0.0	2.0	0.0	0.0	0.0	15.0	9.0	
5	0.0	6.0	0.0	7.0	1.0	0.0	0.0	0.0	0.0	0.0	13.0	33.0	
6	0.0	0.0	7.0	2.0	12.0	0.0	14.0	0.0	0.0	6.0	2.0	0.0	
7	0.0	16.0	100.0	0.0	0.0	0.0	0.0	9.0	2.0	1.0	39.0	35.0	
8	4.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	
9	2.0	0.0	2.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	
10	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	18.0	32.0	0.0	0.0	
11	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	7.0	2.0	0.0	
12	46.0	11.0	0.0	4.0	0.0	0.0	0.0	0.0	2.0	8.0	0.0	0.0	
13	0.0	6.0	2.0	10.0	12.0	18.0	0.0	3.0	1.0	0.0	0.0	0.0	
14	3.0	4.0	0.0	39.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15	1.0	0.0	4.0	0.0	2.0	7.0	0.0	0.0	9.0	2.0	0.0	0.0	
16	0.0	0.0	0.0	2.0	0.0	4.0	4.0	0.0	0.0	0.0	3.0	0.0	
17	0.0	0.0	15.0	0.0	0.0	1.0	0.0	0.0	0.0	3.0	2.0	0.0	
18	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	11.0	0.0	
19	0.0	1.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.0	0.0	
20	0.0	0.0	16.0	33.0	0.0	0.0	0.0	1.0	0.0	15.0	0.0	0.0	
21	0.0	31.0	2.0	39.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	
22	0.0	0.0	5.0	2.0	3.0	1.0	0.0	0.0	18.0	5.0	15.0	0.0	
23	0.0	0.0	32.0	0.0	1.0	0.0	7.0	0.0	5.0	0.0	0.0	0.0	
24	0.0	0.0	2.0	0.0	15.0	0.0	0.0	0.0	0.0	4.0	11.0	0.0	
25	0.0	0.0	0.0	21.0	0.0	0.0	0.0	1.0	0.0	2.0	7.0	0.0	
26	7.0	0.0	52.0	0.0	4.0	0.0	1.0	5.0	0.0	0.0	0.0	0.0	
27	0.0	3.0	0.0	3.0	19.0	0.0	3.0	3.0	0.0	11.0	0.0	0.0	
28	0.0	0.0	1.0	21.0	0.0	0.0	4.0	29.0	0.0	6.0	0.0	0.0	
29	0.0	0.0	0.0	12.0	3.0	0.0	0.0	5.0	0.0	2.0	42.0	5.0	
30	6.0	18.0	5.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	20.0	
31	0.0	11.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	38.0	4.0	0.0	
TOTAL DIAS LLUVIA	81.0	109.0	306.0	274.0	88.0	42.0	54.0	63.0	72.0	154.0	217.0	147.0	ANUAL 1607.0
	8	11	20	18	14	7	11	10	11	19	15	9	153

PUESTO: GEYLAN  
 AÑO : 1990

DPTO: SANTANDER  
 MPIO: BUCARAMANGA

LATITUD: 07° 11'N LONGITUD: 73° 07'W  
 ALTITUD : 1300 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	10.0	0.0	3.0	0.0	
2	0.0	0.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	
3	0.0	9.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	
4	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	
5	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0	0.0	
6	10.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	3.0	5.0	0.0	
7	0.0	2.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	10.0	
8	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	7.0	8.0	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	0.0	0.0	0.0	0.0	0.0	5.0	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	10.0	0.0	0.0	
12	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	
14	0.0	8.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	8.0	0.0	0.0	
15	0.0	0.0	0.0	10.0	0.0	5.0	0.0	3.0	0.0	0.0	5.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	4.0	0.0	
17	0.0	0.0	15.0	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	10.0	0.0	0.0	
19	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	2.0	0.0	
20	0.0	22.0	0.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	10.0	
21	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	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	4.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	12.0	2.0	0.0	
26	0.0	0.0	60.0	0.0	0.0	0.0	0.0	5.0	0.0	5.0	0.0	0.0	
27	0.0	0.0	0.0	0.0	33.0	0.0	0.0	12.0	0.0	0.0	3.0	0.0	
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	50.0	0.0	
29	0.0	0.0	10.0	0.0	0.0	0.0	0.0	6.0	0.0	12.0	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	0.0	0.0	0.0	0.0	
TOTAL DIAS LLUVIA	54.0	68.0	165.0	140.0	58.0	5.0	10.0	48.0	38.0	89.0	148.0	65.0	ANUAL 888.0
	3	6	7	7	2	1	1	6	4	12	13	4	66



PUESTO: MIPORAL  
ANO : 1990

DPTO: SANTANDER LATITUD: 07° 05'N LONGITUD: 73° 04'W  
MPIO: FLORIDABLANCA ALTITUD : 1200 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1		0.0	0.0	2.0	0.0	0.0	0.0	0.0		0.0	0.0		
2		0.0	0.0	3.0	0.0	0.0	0.0	0.0		5.0	10.0		
3		0.0	20.0	10.0	0.0	0.0	0.0	0.0		0.0	5.0		
4		75.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	30.0		
5		0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	27.0		
6		0.0	0.0	0.0	0.0	0.0	5.0	49.0		20.0	5.0		
7		0.0	40.0	0.0	0.0	0.0	0.0	0.0		10.0	0.0		
8		0.0	0.0	0.0	30.0	30.0	0.0	0.0		22.0	0.0		
9		0.0	0.0	0.0	0.0	0.0	0.0	0.0		5.0	0.0		
10		0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	10.0		
11		0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0		
12		0.0	0.0	10.0	0.0	0.0	0.0	0.0		0.0	0.0		
13		10.0	0.0	0.0	30.0	40.0	0.0	0.0		0.0	0.0		
14		0.0	0.0	7.0	0.0	0.0	0.0	0.0		6.0	0.0		
15		0.0	0.0	0.0	0.0	0.0	60.0	5.0		5.0	0.0		
16		0.0	0.0	3.0	0.0	0.0	0.0	4.0		0.0	0.0		
17		0.0	27.0	0.0	0.0	5.0	0.0	0.0		0.0	30.0		
18		0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	20.0		
19		0.0	30.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0		
20		0.0	0.0	5.0	0.0	0.0	0.0	0.0		5.0	20.0		
21		0.0	0.0	10.0	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		0.0	10.0		
23		10.0	0.0	0.0	20.0	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		
25		0.0	60.0	15.0	13.0	30.0	0.0	0.0		5.0	0.0		
26		0.0	0.0	0.0	20.0	0.0	0.0	0.0		0.0	0.0		
27		0.0	0.0	0.0	0.0	0.0	22.0	30.0		0.0	0.0		
28		0.0	0.0	0.0	5.0	0.0	0.0	0.0		0.0	25.0		
29		0.0	0.0	20.0	0.0	0.0	30.0	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		
31		0.0	0.0	0.0	50.0	0.0	0.0	0.0		5.0	0.0		
TOTAL	95.0	177.0	85.0	168.0	105.0	117.0	88.0		123.0	192.0			ANUAL
DIAS LLUVIA	3	5	10	7	4	4	4		12	11			

PUESTO: LA LOMA  
ANO : 1990

DPTO: SANTANDER LATITUD: 07° 04'N LONGITUD: 73° 04'W  
MPIO: FLORIDABLANCA ALTITUD : 1400 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	0.0	0.0	16.0	0.0	18.0	0.0	0.0	0.0	0.0	2.0	0.0	
2	10.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	
3	0.0	6.0	0.0	4.0	0.0	0.0	0.0	5.0	0.0	2.0	6.0	0.0	
4	10.0	0.0	0.0	0.0	10.0	14.0	4.0	0.0	0.0	0.0	34.0	0.0	
5	8.0	8.0	0.0	2.0	4.0	0.0	2.0	0.0	2.0	0.0	0.0	15.0	
6	0.0	0.0	3.0	0.0	0.0	0.0	3.0	40.0	0.0	16.0	8.0	10.0	
7	0.0	0.0	26.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	6.0	
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	34.0	
9	0.0	0.0	2.0	0.0	0.0	20.0	0.0	4.0	2.0	15.0	5.0	0.0	
10	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	1.0	
11	0.0	5.0	0.0	5.0	0.0	18.0	4.0	0.0	2.0	10.0	0.0	0.0	
12	24.0	4.0	2.0	1.0	2.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	8.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	4.0	2.0	8.0	2.0	8.0	46.0	15.0	0.0	0.0	
15	0.0	0.0	0.0	0.0	0.0	0.0	10.0	12.0	0.0	0.0	0.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	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	8.0	0.0	
18	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19	0.0	50.0	10.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	
20	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	2.0	12.0	0.0	0.0	
21	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	3.0	13.0	38.0	0.0	
22	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	1.0	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	22.0	0.0	
24	0.0	0.0	0.0	0.0	24.0	0.0	2.0	8.0	3.0	0.0	4.0	0.0	
25	0.0	0.0	50.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	
26	0.0	0.0	2.0	0.0	2.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	3.0	0.0	0.0	0.0	5.0	0.0	4.0	0.0	0.0	
28	0.0	0.0	0.0	24.0	0.0	0.0	8.0	25.0	0.0	0.0	40.0	0.0	
29	0.0	0.0	2.0	5.0	0.0	0.0	0.0	0.0	0.0	17.0	4.0	2.0	
30	0.0	0.0	1.0	2.0	0.0	5.0	0.0	2.0	3.0	0.0	0.0	0.0	
31	0.0	0.0	4.0	0.0	0.0	0.0	24.0	0.0	0.0	15.0	0.0	1.0	
TOTAL	54.0	73.0	174.0	121.0	52.0	83.0	102.0	119.0	70.0	124.0	171.0	83.0	ANUAL
DIAS LLUVIA	5	5	13	15	7	6	13	12	10	11	11	8	116

PUESTO: CASA DE TEJA  
 AÑO : 1990

DPTO: SANTANDER  
 MPIO: SAN VICENTE

LATITUD: 06° 55'N LONGITUD: 73° 27'W  
 ALTITUD : 960 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC
1	4.0	0.0	0.0	68.0	30.0	0.0	0.0	0.0	0.0	15.0	2.0	27.0
2	0.0	0.0	58.0	2.0	22.0	0.0	0.0	0.0	0.0	33.0	5.0	0.0
3	6.0	10.0	0.0	29.0	0.0	0.0	0.0	60.0	0.0	0.0	17.0	0.0
4	0.0	71.0	0.0	12.0	6.0	0.0	0.0	0.0	0.0	0.0	6.0	35.0
5	0.0	0.0	10.0	8.0	0.0	0.0	0.0	14.0	0.0	0.0	14.0	0.0
6	34.0	0.0	22.0	0.0	8.0	0.0	0.0	0.0	0.0	135.0	0.0	61.0
7	0.0	0.0	8.0	0.0	4.0	0.0	35.0	8.0	1.0	14.0	0.0	138.0
8	13.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	7.0	3.0	0.0	3.0
9	0.0	0.0	0.0	0.0	0.0	2.0	16.0	0.0	52.0	16.0	11.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	1.0	0.0	3.0
11	0.0	0.0	0.0	1.0	10.0	0.0	0.0	0.0	0.0	43.0	0.0	7.0
12	3.0	34.0	0.0	3.0	8.0	0.0	0.0	6.0	1.0	3.0	0.0	0.0
13	0.0	0.0	0.0	0.0	12.0	0.0	3.0	2.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
15	0.0	0.0	0.0	49.0	0.0	1.0	17.0	0.0	0.0	53.0	0.0	0.0
16	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	1.0	43.0	0.0
17	0.0	0.0	21.0	1.0	0.0	0.0	3.0	2.0	1.0	0.0	19.0	0.0
18	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	0.0	18.0
19	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
20	0.0	0.0	7.0	2.0	0.0	10.0	0.0	0.0	2.0	7.0	0.0	0.0
21	9.0	0.0	0.0	0.0	6.0	13.0	0.0	18.0	15.0	0.0	19.0	0.0
22	0.0	0.0	35.0	0.0	0.0	43.0	0.0	0.0	5.0	0.0	0.0	0.0
23	0.0	2.0	27.0	0.0	10.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
24	0.0	0.0	0.0	7.0	2.0	8.0	3.0	0.0	0.0	20.0	0.0	0.0
25	0.0	0.0	16.0	19.0	17.0	2.0	0.0	0.0	0.0	0.0	5.0	0.0
26	27.0	0.0	4.0	0.0	3.0	0.0	0.0	7.0	0.0	8.0	0.0	0.0
27	0.0	13.0	1.0	1.0	18.0	16.0	0.0	1.0	0.0	2.0	0.0	0.0
28	0.0	0.0	22.0	16.0	0.0	9.0	0.0	5.0	0.0	5.0	83.0	0.0
29	0.0	0.0	0.0	0.0	20.0	0.0	0.0	26.0	0.0	24.0	0.0	0.0
30	0.0	0.0	7.0	54.0	0.0	0.0	54.0	0.0	20.0	30.0	1.0	0.0
31	0.0	0.0	14.0	0.0	0.0	0.0	1.0	0.0	0.0	5.0	0.0	0.0

TOTAL DIAS LLUVIA	96.0	134.0	252.0	281.0	179.0	115.0	132.0	156.0	107.0	433.0	225.0	293.0	ANUAL
	7	6	14	17	16	10	8	12	10	22	12	9	2403.0
													143

PUESTO: CHOCHOS  
 AÑO : 1990

DPTO: SANTANDER  
 MPIO: HATO

LATITUD: 06° 33'N LONGITUD: 73° 19'W  
 ALTITUD : 1400 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC
1	0.0	0.0	0.0	0.0	4.0	7.0	10.0	30.0	2.0	5.0	13.0	0.0
2	8.0	0.0	0.0	5.0	40.0	0.0	0.0	0.0	21.0	17.0	42.0	29.0
3	0.0	11.0	12.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	4.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0
5	0.0	0.0	0.0	0.0	98.0	0.0	5.0	1.0	0.0	2.0	0.0	14.0
6	13.0	0.0	0.0	0.0	6.0	0.0	0.0	10.0	0.0	10.0	0.0	0.0
7	0.0	0.0	1.0	4.0	11.0	0.0	0.0	38.0	0.0	13.0	2.0	2.0
8	0.0	0.0	0.0	1.0	0.0	2.0	0.0	6.0	12.0	0.0	0.0	0.0
9	0.0	24.0	0.0	0.0	0.0	0.0	12.0	3.0	10.0	29.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	24.0	7.0	0.0	3.0	19.0	0.0	10.0
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	32.0	0.0	18.0	0.0	0.0	0.0	0.0	1.0	0.0	75.0	0.0	0.0
13	0.0	0.0	0.0	0.0	4.0	65.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	20.0	19.0	16.0	3.0	7.0	24.0	1.0	0.0	0.0
15	0.0	1.0	24.0	0.0	2.0	29.0	0.0	56.0	0.0	10.0	0.0	0.0
16	0.0	0.0	0.0	31.0	1.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
17	8.0	0.0	0.0	13.0	0.0	0.0	4.0	0.0	0.0	39.0	12.0	0.0
18	0.0	0.0	19.0	1.0	0.0	0.0	0.0	0.0	14.0	0.0	6.0	0.0
19	11.0	0.0	2.0	7.0	1.0	8.0	0.0	0.0	0.0	9.0	0.0	0.0
20	9.0	24.0	12.0	25.0	0.0	0.0	1.0	0.0	4.0	0.0	0.0	0.0
21	10.0	43.0	2.0	17.0	0.0	0.0	0.0	0.0	14.0	44.0	3.0	0.0
22	0.0	0.0	0.0	2.0	2.0	8.0	0.0	3.0	22.0	48.0	15.0	0.0
23	9.0	0.0	60.0	0.0	0.0	0.0	6.0	19.0	15.0	9.0	39.0	0.0
24	0.0	0.0	0.0	1.0	5.0	22.0	10.0	6.0	0.0	5.0	10.0	0.0
25	21.0	0.0	18.0	27.0	0.0	0.0	27.0	23.0	0.0	7.0	0.0	5.0
26	55.0	0.0	12.0	0.0	30.0	0.0	4.0	20.0	0.0	1.0	0.0	0.0
27	0.0	0.0	0.0	77.0	0.0	0.0	0.0	59.0	0.0	29.0	0.0	35.0
28	0.0	0.0	0.0	20.0	10.0	6.0	3.0	7.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	8.0	0.0	0.0	10.0	2.0	0.0	62.0	5.0	0.0
30	0.0	0.0	0.0	2.0	0.0	6.0	1.0	0.0	0.0	15.0	0.0	2.0
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 DIAS LLUVIA	176.0	107.0	182.0	276.0	233.0	193.0	103.0	291.0	141.0	451.0	167.0	97.0	ANUAL
	10	6	12	19	14	11	14	17	11	22	11	7	2417.0
													154

PUESTO: LA LAGUNA  
ANO : 1990

DPTO: SANTANDER  
MPIO: PARAMO

LATITUD: 06° 30'N LONGITUD: 73° 09'W  
ALTITUD: 1550 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1	0.0	15.0	0.0	0.0	10.0	0.0	0.0	0.0	32.0	0.0	22.0	48.0	
2	9.0	40.0	0.0	0.0	5.0	5.0	0.0	0.0	0.0	7.0	35.0	0.0	
3	0.0	8.0	0.0	5.0	0.0	10.0	15.0	0.0	0.0	5.0	10.0	10.0	
4	0.0	25.0	8.0	1.0	0.0	8.0	12.0	0.0	0.0	6.0	0.0	25.0	
5	6.0	0.0	0.0	10.0	10.0	0.0	25.0	19.0	0.0	35.0	0.0	5.0	
6	5.0	0.0	12.0	0.0	25.0	0.0	0.0	23.0	0.0	15.0	0.0	25.0	
7	0.0	0.0	0.0	31.0	0.0	10.0	0.0	10.0	20.0	5.0	0.0	15.0	
8	0.0	0.0	14.0	0.0	0.0	2.0	18.0	5.0	0.0	0.0	0.0	5.0	
9	0.0	0.0	1.0	0.0	0.0	10.0	12.0	8.0	0.0	0.0	11.0	0.0	
10	0.0	0.0	5.0	0.0	0.0	8.0	8.0	5.0	0.0	75.0	0.0	0.0	
11	12.0	0.0	0.0	0.0	0.0	0.0	5.0	12.0	0.0	15.0	0.0	0.0	
12	0.0	0.0	35.0	0.0	20.0	60.0	8.0	0.0	0.0	12.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	12.0	20.0	10.0	0.0	10.0	10.0	8.0	0.0	
14	8.0	0.0	0.0	14.0	10.0	55.0	5.0	8.0	0.0	0.0	0.0	0.0	
15	0.0	0.0	28.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	
16	0.0	0.0	0.0	8.0	0.0	8.0	8.0	0.0	0.0	0.0	0.0	0.0	
17	0.0	0.0	21.0	0.0	0.0	10.0	6.0	5.0	0.0	0.0	0.0	0.0	
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	
19	10.0	0.0	0.0	12.0	5.0	0.0	6.0	0.0	0.0	25.0	0.0	0.0	
20	0.0	0.0	10.0	0.0	12.0	0.0	24.0	0.0	10.0	15.0	0.0	0.0	
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	20.0	0.0	
22	0.0	0.0	0.0	0.0	25.0	0.0	21.0	4.0	0.0	15.0	0.0	0.0	
23	10.0	0.0	5.0	0.0	12.0	0.0	35.0	0.0	0.0	5.0	0.0	0.0	
24	5.0	0.0	10.0	10.0	3.0	15.0	5.0	16.0	0.0	18.0	0.0	0.0	
25	12.0	0.0	35.0	5.0	10.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	
26	0.0	0.0	0.0	8.0	5.0	5.0	5.0	5.0	25.0	8.0	0.0	0.0	
27	0.0	0.0	0.0	15.0	0.0	8.0	6.0	12.0	0.0	30.0	5.0	25.0	
28	0.0	0.0	0.0	0.0	5.0	20.0	15.0	0.0	0.0	0.0	0.0	0.0	
29	0.0	0.0	0.0	10.0	0.0	18.0	6.0	8.0	10.0	10.0	0.0	0.0	
30	0.0	0.0	0.0	30.0	0.0	22.0	0.0	12.0	5.0	2.0	0.0	0.0	
31	0.0	0.0	0.0	15.0	0.0	0.0	5.0	0.0	10.0	0.0	0.0	0.0	
TOTAL	77.0	88.0	184.0	159.0	184.0	294.0	260.0	152.0	134.0	333.0	111.0	158.0	2134.0
DIAS LLUVIA	9	4	12	13	16	18	22	15	10	21	7	8	155

PUESTO: LAS FLORES  
ANO : 1990

DPTO: SANTANDER  
MPIO: PINCHOTE

LATITUD: 06° 29'N LONGITUD: 73° 11'W  
ALTITUD: 1700 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1	0.0	2.0	0.0	0.0	33.0	13.0	37.0	0.0	0.0	0.0	3.0	0.0	
2	5.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	6.0	9.0	15.0	28.0	
3	0.0	15.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	
4	0.0	6.0	2.0	6.0	30.0	0.0	0.0	0.0	2.0	5.0	20.0	6.0	
5	0.0	15.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	20.0	
6	0.0	0.0	0.0	6.0	20.0	0.0	0.0	17.0	0.0	13.0	0.0	0.0	
7	0.0	0.0	0.0	0.0	15.0	0.0	0.0	2.0	0.0	20.0	0.0	15.0	
8	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	2.0	0.0	4.0	
9	0.0	0.0	0.0	0.0	0.0	3.0	8.0	1.0	44.0	17.0	0.0	0.0	
10	0.0	0.0	15.0	0.0	0.0	20.0	18.0	0.0	0.0	4.0	5.0	0.0	
11	0.0	0.0	0.0	0.0	0.0	3.0	4.0	0.0	6.0	30.0	0.0	0.0	
12	6.0	0.0	0.0	0.0	0.0	0.0	1.0	5.0	0.0	13.0	0.0	0.0	
13	0.0	0.0	30.0	0.0	5.0	27.0	6.0	4.0	1.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	0.0	17.0	19.0	3.0	2.0	5.0	0.0	0.0	0.0	
15	0.0	0.0	3.0	17.0	1.0	28.0	2.0	0.0	0.0	7.0	0.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	
17	5.0	0.0	0.0	10.0	6.0	0.0	3.0	3.0	0.0	0.0	11.0	0.0	
18	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19	5.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	
20	0.0	14.0	12.0	24.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	
21	0.0	0.0	0.0	0.0	8.0	1.0	12.0	0.0	12.0	9.0	0.0	0.0	
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	11.0	50.0	7.0	0.0	
23	0.0	0.0	0.0	0.0	3.0	0.0	10.0	0.0	8.0	16.0	8.0	0.0	
24	15.0	0.0	0.0	9.0	2.0	2.0	3.0	0.0	0.0	14.0	4.0	0.0	
25	3.0	0.0	10.0	14.0	8.0	0.0	0.0	5.0	0.0	17.0	2.0	0.0	
26	12.0	0.0	12.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	4.0	0.0	
27	3.0	0.0	0.0	3.0	0.0	3.0	0.0	2.0	8.0	11.0	0.0	3.0	
28	0.0	0.0	0.0	6.0	11.0	5.0	0.0	6.0	0.0	17.0	0.0	0.0	
29	0.0	0.0	0.0	3.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	
30	0.0	0.0	0.0	5.0	0.0	13.0	11.0	0.0	0.0	0.0	0.0	0.0	
31	0.0	0.0	0.0	0.0	0.0	0.0	4.0	6.0	16.0	0.0	0.0	0.0	
TOTAL	54.0	52.0	89.0	110.0	172.0	142.0	130.0	57.0	116.0	278.0	92.0	76.0	1368.0
DIAS LLUVIA	8	5	8	12	15	13	16	13	12	19	11	6	138

PUESTO: VILLANUEVA  
 AÑO : 1990

DPTO: SANTANDER  
 MPIO: CHARALA

LATITUD: 06° 16'N LONGITUD: 73° 10'W  
 ALTITUD : 1450 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC
1	0.0	0.0	0.0	0.0	8.0	0.0	2.0	4.0	0.0	6.0	10.0	4.0
2	8.0	36.0	0.0	64.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	22.0
3	0.0	0.0	8.0	4.0	18.0	0.0	6.0	0.0	4.0	53.0	8.0	2.0
4	12.0	0.0	10.0	0.0	36.0	8.0	0.0	0.0	8.0	18.0	0.0	0.0
5	0.0	12.0	2.0	12.0	44.0	0.0	0.0	0.0	0.0	12.0	0.0	36.0
6	6.0	0.0	0.0	0.0	0.0	0.0	32.0	8.0	0.0	0.0	0.0	8.0
7	22.0	0.0	0.0	24.0	8.0	14.0	0.0	0.0	0.0	12.0	0.0	0.0
8	0.0	0.0	2.0	6.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
9	8.0	4.0	8.0	0.0	14.0	0.0	0.0	4.0	48.0	18.0	0.0	0.0
10	0.0	0.0	0.0	0.0	8.0	6.0	0.0	12.0	0.0	10.0	62.0	0.0
11	18.0	0.0	0.0	46.0	12.0	36.0	12.0	0.0	0.0	0.0	18.0	54.0
12	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0
13	0.0	18.0	20.0	12.0	0.0	8.0	0.0	0.0	8.0	18.0	54.0	0.0
14	12.0	0.0	0.0	4.0	36.0	2.0	2.0	22.0	0.0	12.0	0.0	0.0
15	0.0	0.0	2.0	0.0	12.0	0.0	8.0	0.0	6.0	0.0	10.0	8.0
16	0.0	0.0	45.0	6.0	0.0	0.0	0.0	0.0	12.0	8.0	16.0	12.0
17	0.0	0.0	0.0	74.0	0.0	0.0	0.0	4.0	0.0	30.0	130.0	0.0
18	0.0	0.0	0.0	26.0	12.0	0.0	6.0	0.0	58.0	12.0	14.0	0.0
19	22.0	0.0	12.0	12.0	24.0	18.0	0.0	0.0	0.0	8.0	0.0	24.0
20	0.0	0.0	0.0	0.0	0.0	0.0	4.0	8.0	4.0	120.0	0.0	0.0
21	0.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0	6.0	26.0	0.0	0.0
22	8.0	0.0	8.0	68.0	6.0	0.0	0.0	0.0	18.0	6.0	36.0	0.0
23	44.0	0.0	0.0	36.0	68.0	48.0	2.0	0.0	10.0	14.0	12.0	4.0
24	6.0	0.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	22.0	18.0
25	0.0	0.0	0.0	56.0	10.0	0.0	0.0	0.0	8.0	68.0	8.0	0.0
26	10.0	0.0	0.0	48.0	0.0	0.0	0.0	2.0	12.0	12.0	0.0	0.0
27	0.0	0.0	8.0	14.0	6.0	0.0	0.0	0.0	0.0	12.0	36.0	0.0
28	2.0	0.0	0.0	10.0	4.0	0.0	2.0	0.0	22.0	6.0	44.0	0.0
29	18.0	0.0	0.0	18.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	14.0
30	0.0	0.0	4.0	24.0	22.0	0.0	0.0	0.0	20.0	12.0	20.0	0.0
31	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0

TOTAL DIAS LLUVIA. 200.0 70.0 171.0 564.0 368.0 140.0 80.0 68.0 244.0 499.0 520.0 212.0 ANUAL 3136.0  
 15 4 13 20 20 8 11 9 15 24 18 13 170

PUESTO: SEVILLA  
 AÑO : 1990

DPTO: SANTANDER  
 MPIO: GUADALUPE

LATITUD: 06° 15'N LONGITUD: 73° 22'W  
 ALTITUD : 1390 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC
1	0.0	0.0	0.0	10.0	5.0	2.0	16.0	1.0	25.0	21.0	20.0	0.0
2	0.0	0.0	0.0	45.0	6.0	5.0	19.0	0.0	10.0	15.0	21.0	0.0
3	1.0	60.0	1.0	31.0	3.0	0.0	14.0	25.0	0.0	20.0	0.0	0.0
4	0.0	40.0	2.0	5.0	32.0	0.0	0.0	0.0	0.0	11.0	30.0	0.0
5	5.0	32.0	50.0	1.0	15.0	1.0	10.0	30.0	12.0	5.0	9.0	0.0
6	9.0	0.0	0.0	20.0	7.0	19.0	25.0	0.0	0.0	10.0	0.0	0.0
7	10.0	24.0	2.0	5.0	1.0	0.0	10.0	6.0	5.0	26.0	40.0	0.0
8	10.0	0.0	11.0	2.0	0.0	10.0	41.0	1.0	1.0	14.0	70.0	0.0
9	0.0	20.0	0.0	1.0	0.0	0.0	20.0	11.0	30.0	5.0	0.0	0.0
10	0.0	10.0	5.0	0.0	4.0	4.0	0.0	0.0	2.0	7.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	9.0	1.0	7.0	5.0	19.0	0.0	0.0
12	30.0	0.0	10.0	2.0	36.0	20.0	3.0	10.0	20.0	42.0	0.0	0.0
13	7.0	0.0	0.0	1.0	10.0	10.0	3.0	0.0	5.0	1.0	0.0	0.0
14	10.0	0.0	0.0	12.0	0.0	0.0	15.0	6.0	1.0	10.0	5.0	0.0
15	0.0	0.0	3.0	15.0	48.0	5.0	31.0	0.0	2.0	7.0	25.0	0.0
16	3.0	0.0	0.0	3.0	9.0	19.0	0.0	2.0	7.0	25.0	90.0	0.0
17	7.0	0.0	0.0	7.0	8.0	5.0	2.0	0.0	9.0	15.0	19.0	0.0
18	0.0	12.0	10.0	5.0	11.0	0.0	60.0	0.0	6.0	9.0	12.0	0.0
19	0.0	0.0	5.0	23.0	14.0	1.0	15.0	0.0	40.0	70.0	0.0	0.0
20	0.0	10.0	0.0	1.0	17.0	0.0	1.0	0.0	0.0	17.0	15.0	0.0
21	0.0	2.0	2.0	10.0	0.0	0.0	0.0	0.0	6.0	50.0	4.0	0.0
22	40.0	1.0	25.0	3.0	3.0	0.0	0.0	0.0	39.0	22.0	0.0	0.0
23	0.0	0.0	5.0	1.0	16.0	0.0	0.0	0.0	35.0	40.0	0.0	0.0
24	21.0	0.0	0.0	23.0	10.0	0.0	0.0	46.0	5.0	11.0	25.0	0.0
25	0.0	0.0	0.0	4.0	23.0	0.0	10.0	2.0	2.0	0.0	15.0	0.0
26	0.0	0.0	0.0	16.0	14.0	1.0	16.0	0.0	1.0	0.0	0.0	0.0
27	0.0	0.0	0.0	8.0	2.0	3.0	2.0	1.0	0.0	28.0	30.0	0.0
28	0.0	0.0	0.0	15.0	0.0	7.0	4.0	4.0	31.0	0.0	0.0	0.0
29	0.0	0.0	0.0	12.0	0.0	0.0	0.0	5.0	0.0	27.0	90.0	0.0
30	0.0	0.0	0.0	30.0	20.0	0.0	2.0	4.0	5.0	20.0	0.0	0.0
31	0.0	0.0	0.0	0.0	35.0	0.0	0.0	7.0	0.0	34.0	0.0	0.0

TOTAL DIAS LLUVIA. 153.0 211.0 131.0 311.0 349.0 121.0 320.0 168.0 304.0 581.0 520.0 ANUAL  
 12 10 13 28 24 16 22 17 24 28 17

PUESTO: CIELO ROTO  
AÑO : 1990

DPTO: SANTANDER  
MPIO: SUAITA

LATITUD: 06° 07'N LONGITUD: 73° 23'W  
ALTITUD : 1540 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1	0.0	0.0	0.0	8.0	20.0	0.0	0.0	5.0	0.0	17.0	5.0	12.0	
2	0.0	0.0	0.0	20.0	0.0	0.0	0.0	20.0	2.0	47.0	8.0	26.0	
3	0.0	20.0	15.0	18.0	0.0	15.0	12.0	17.0	65.0	2.0	13.0	0.0	
4	0.0	8.0	20.0	12.0	8.0	9.0	0.0	8.0	4.0	18.0	40.0	34.0	
5	0.0	15.0	15.0	0.0	0.0	0.0	18.0	10.0	0.0	8.0	0.0	0.0	
6	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	8.0	0.0	
7	0.0	5.0	10.0	0.0	50.0	0.0	0.0	9.0	27.0	10.0	11.0	20.0	
8	5.0	10.0	0.0	0.0	0.0	0.0	6.0	8.0	15.0	30.0	4.0	10.0	
9	0.0	6.0	0.0	0.0	15.0	5.0	0.0	5.0	14.0	4.0	6.0	0.0	
10	3.0	0.0	0.0	0.0	0.0	35.0	0.0	18.0	24.0	8.0	2.0	0.0	
11	0.0	0.0	15.0	0.0	0.0	0.0	12.0	2.0	0.0	1.0	5.0	2.0	
12	0.0	0.0	10.0	0.0	23.0	0.0	9.0	0.0	28.0	25.0	18.0	0.0	
13	0.0	27.0	0.0	0.0	18.0	7.0	10.0	0.0	0.0	9.0	13.0	0.0	
14	0.0	0.0	0.0	10.0	5.0	16.0	0.0	95.0	10.0	5.0	6.0	0.0	
15	12.0	0.0	5.0	5.0	0.0	23.0	0.0	0.0	8.0	24.0	15.0	0.0	
16	10.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	10.0	8.0	0.0	
17	0.0	0.0	18.0	7.0	15.0	0.0	0.0	0.0	0.0	46.0	0.0	1.0	
18	7.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	5.0	0.0	3.0	0.0	
19	1.0	0.0	0.0	15.0	28.0	6.0	16.0	0.0	8.0	11.0	5.0	0.0	
20	0.0	0.0	32.0	5.0	0.0	0.0	0.0	0.0	4.0	24.0	10.0	8.0	
21	0.0	18.0	20.0	0.0	9.0	0.0	0.0	0.0	0.0	36.0	0.0	0.0	
22	0.0	0.0	15.0	7.0	12.0	2.0	4.0	0.0	25.0	30.0	17.0	0.0	
23	6.0	0.0	1.0	6.0	30.0	0.0	13.0	0.0	6.0	17.0	36.0	0.0	
24	0.0	0.0	0.0	4.0	22.0	0.0	0.0	0.0	18.0	0.0	10.0	0.0	
25	0.0	0.0	20.0	20.0	6.0	0.0	2.0	27.0	14.0	0.0	0.0	0.0	
26	0.0	0.0	0.0	0.0	14.0	4.0	0.0	18.0	0.0	23.0	0.0	0.0	
27	0.0	0.0	0.0	2.0	27.0	0.0	15.0	12.0	17.0	32.0	0.0	25.0	
28	0.0	0.0	0.0	10.0	0.0	0.0	0.0	2.0	0.0	25.0	0.0	0.0	
29	0.0	0.0	0.0	20.0	0.0	3.0	16.0	5.0	10.0	18.0	18.0	0.0	
30	0.0	0.0	0.0	0.0	20.0	6.0	0.0	8.0	1.0	0.0	0.0	22.0	
31	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	44.0	109.0	202.0	173.0	322.0	131.0	147.0	269.0	315.0	480.0	261.0	160.0	2613.0
DIAS LLUVIA	7	8	14	17	17	12	14	17	21	25	22	10	184

PUESTO: BUENAVISTA  
AÑO : 1990

DPTO: SANTANDER  
MPIO: BARBOSA

LATITUD: 05° 56'N LONGITUD: 73° 39'W  
ALTITUD : 1800 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1	10.0	0.0	0.0	0.0	8.0	7.0	8.0	0.0		7.0			
2	7.0	0.0	0.0	0.0	6.0	0.0	12.0	0.0		10.0			
3	1.0	0.0	8.0	0.0	5.0	10.0	0.0	0.0		6.0			
4	11.0	12.0	0.0	0.0	13.0	5.0	0.0	5.0		0.0			
5	0.0	5.0	6.0	10.0	0.0	6.0	0.0	0.0		0.0			
6	0.0	0.0	0.0	6.0	9.0	0.0	6.0	0.0		12.0			
7	0.0	0.0	6.0	0.0	0.0	0.0	0.0	9.0		6.0			
8	0.0	7.0	5.0	0.0	10.0	0.0	8.0	0.0		0.0			
9	0.0	0.0	0.0	0.0	6.0	7.0	6.0	10.0		11.0			
10	0.0	0.0	0.0	8.0	5.0	0.0	13.0	6.0		0.0			
11	0.0	0.0	11.0	12.0	12.0	10.0	5.0	4.0		10.0			
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0		0.0			
13	5.0	0.0	0.0	0.0	8.0	0.0	7.0	0.0		0.0			
14	0.0	0.0	0.0	0.0	4.0	8.0	5.0	0.0		11.0			
15	0.0	0.0	0.0	14.0	0.0	0.0	12.0	11.0		0.0			
16	0.0	0.0	7.0	0.0	0.0	0.0	0.0	12.0		5.0			
17	0.0	0.0	13.0	0.0	10.0	0.0	6.0	0.0		0.0			
18	0.0	0.0	10.0	14.0	0.0	6.0	5.0	0.0		9.0			
19	0.0	12.0	6.0	8.0	0.0	0.0	0.0	0.0		0.0			
20	0.0	6.0	0.0	7.0	0.0	11.0	9.0	12.0		0.0			
21	0.0	10.0	0.0	10.0	0.0	10.0	12.0	0.0		6.0			
22	0.0	8.0	0.0	6.0	0.0	0.0	5.0	0.0		0.0			
23	0.0	10.0	5.0	0.0	3.0	0.0	0.0	0.0		7.0			
24	0.0	0.0	0.0	10.0	8.0	0.0	7.0	0.0		0.0			
25	0.0	0.0	0.0	12.0	12.0	0.0	0.0	9.0		11.0			
26	0.0	0.0	0.0	6.0	9.0	0.0	0.0	0.0		6.0			
27	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0		13.0			
28	0.0	0.0	0.0	8.0	0.0	0.0	0.0	10.0		0.0			
29	0.0	0.0	0.0	12.0	0.0	0.0	8.0	12.0		8.0			
30	0.0	0.0	0.0	8.0	12.0	0.0	0.0	0.0		0.0			
31	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0		0.0			
TOTAL	34.0	70.0	77.0	151.0	153.0	80.0	134.0	105.0		138.0			ANUAL
DIAS LLUVIA	5	8	10	16	19	10	17	12		16			

PUESTO: LA CUMBRE  
ANO : 1990

DPTO: SANTANDER LATITUD: 05° 52'N LONGITUD: 73° 42'W  
MPIO: PUENTE NACIONAL ALTITUD : 1850 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	0.0	9.0	0.0	10.0	3.0	0.0	23.0	28.0	3.0	6.0	0.0	
2	5.0	0.0	0.0	3.0	57.0	0.0	5.0	0.0	0.0	28.0	37.0	18.0	
3	17.0	9.0	20.0	8.0	0.0	0.0	0.0	0.0	4.0	3.0	40.0	10.0	
4	0.0	6.0	1.0	14.0	0.0	0.0	0.0	7.0	0.0	8.0	32.0	0.0	
5	0.0	0.0	0.0	29.0	0.0	6.0	0.0	0.0	6.0	5.0	0.0	0.0	
6	0.0	0.0	0.0	1.0	49.0	2.0	0.0	0.0	19.0	3.0	0.0	12.0	
7	15.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	3.0	18.0	0.0	0.0	
8	10.0	8.0	5.0	0.0	0.0	0.0	0.0	0.0	1.0	10.0	0.0	9.0	
9	1.0	2.0	3.0	4.0	5.0	0.0	0.0	0.0	0.0	11.0	0.0	4.0	
10	0.0	7.0	0.0	3.0	3.0	0.0	0.0	0.0	0.0	34.0	0.0	0.0	
11	4.0	0.0	11.0	4.0	0.0	0.0	0.0	0.0	12.0	30.0	0.0	5.0	
12	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	14.0	7.0	0.0	0.0	
13	0.0	0.0	8.0	4.0	7.0	7.0	1.0	0.0	0.0	0.0	10.0	0.0	
14	0.0	0.0	0.0	5.0	18.0	10.0	7.0	14.0	1.0	0.0	0.0	1.0	
15	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	
16	0.0	0.0	5.0	0.0	0.0	2.0	25.0	3.0	0.0	0.0	0.0	0.0	
17	0.0	0.0	3.0	4.0	0.0	12.0	16.0	1.0	0.0	15.0	40.0	2.0	
18	2.0	4.0	6.0	34.0	7.0	2.0	12.0	2.0	0.0	2.0	45.0	0.0	
19	0.0	2.0	17.0	12.0	0.0	0.0	2.0	0.0	0.0	30.0	30.0	5.0	
20	0.0	8.0	8.0	11.0	0.0	0.0	22.0	0.0	8.0	35.0	49.0	12.0	
21	0.0	0.0	3.0	3.0	6.0	0.0	0.0	0.0	20.0	44.0	0.0	8.0	
22	7.0	0.0	1.0	10.0	2.0	0.0	0.0	0.0	20.0	7.0	10.0	0.0	
23	0.0	0.0	30.0	40.0	0.0	1.0	0.0	5.0	4.0	0.0	0.0	4.0	
24	0.0	0.0	8.0	0.0	0.0	5.0	0.0	7.0	2.0	10.0	0.0	1.0	
25	0.0	0.0	0.0	0.0	3.0	0.0	0.0	3.0	11.0	3.0	0.0	0.0	
26	0.0	0.0	10.0	0.0	0.0	0.0	0.0	2.0	0.0	17.0	20.0	4.0	
27	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	2.0	0.0	2.0	0.0	
28	0.0	6.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	4.0	0.0	2.0	
29	0.0	0.0	0.0	54.0	0.0	8.0	0.0	14.0	5.0	13.0	0.0	0.0	
30	0.0	0.0	0.0	15.0	26.0	0.0	0.0	0.0	2.0	0.0	6.0	0.0	
31	0.0	0.0	3.0	0.0	9.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	
TOTAL	61.0	52.0	161.0	288.0	205.0	61.0	90.0	84.0	162.0	343.0	327.0	97.0	ANUAL
DIAS LLUVIA	8	9	19	20	15	12	8	12	18	24	13	15	1931.0 173

PUESTO: LA MESA  
ANO : 1990

DPTO: TOLIMA LATITUD: 05° 11'N LONGITUD: 74° 53'W  
MPIO: MARIQUITA ALTITUD : 1200 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	20.0		0.0	20.0	10.0	0.0	0.0	0.0	35.0	20.0			
2	5.0		0.0	10.0	5.0	0.0	0.0	0.0	0.0	10.0			
3	0.0		135.0	5.0	0.0	0.0	2.0	0.0	0.0	0.0			
4	0.0		0.0	0.0	10.0	0.0	0.0	0.0	0.0	45.0			
5	0.0		3.0	0.0	0.0	0.0	0.0	0.0	3.0	52.0			
6	17.0		0.0	0.0	0.0	0.0	0.0	3.0	0.0	60.0			
7	0.0		10.0	0.0	5.0	0.0	15.0	0.0	0.0	0.0			
8	40.0		0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0			
9	0.0		0.0	0.0	8.0	5.0	0.0	0.0	0.0	10.0			
10	0.0		0.0	0.0	6.0	0.0	2.0	0.0	8.0	0.0			
11	5.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0			
12	60.0		0.0	10.0	0.0	35.0	0.0	0.0	2.0	20.0			
13	0.0		0.0	0.0	14.0	10.0	20.0	8.0	20.0	0.0			
14	0.0		0.0	0.0	1.0	5.0	0.0	0.0	0.0	5.0			
15	0.0		0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0			
16	5.0		50.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0			
17	0.0		5.0	0.0	0.0	5.0	38.0	20.0	5.0	0.0			
18	15.0		110.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0			
19	10.0		0.0	15.0	0.0	0.0	2.0	0.0	10.0	0.0			
20	30.0		0.0	5.0	0.0	0.0	0.0	0.0	20.0	18.0			
21	5.0		5.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0			
22	0.0		0.0	0.0	0.0	0.0	2.0	0.0	18.0	25.0			
23	0.0		0.0	25.0	0.0	0.0	10.0	0.0	2.0	0.0			
24	0.0		0.0	10.0	0.0	0.0	5.0	15.0	0.0	0.0			
25	0.0		15.0	0.0	0.0	0.0	0.0	5.0	30.0	50.0			
26	0.0		0.0	40.0	0.0	0.0	0.0	68.0	0.0	5.0			
27	0.0		0.0	10.0	10.0	0.0	0.0	0.0	0.0	20.0			
28	0.0		0.0	0.0	0.0	0.0	3.0	12.0	0.0	2.0			
29	0.0		3.0	0.0	0.0	0.0	0.0	3.0	20.0	6.0			
30	0.0		0.0	5.0	0.0	30.0	0.0	0.0	0.0	5.0			
31	0.0		25.0	0.0	10.0	0.0	0.0	10.0	0.0	0.0			
TOTAL	212.0		361.0	185.0	89.0	90.0	99.0	144.0	173.0	425.0			ANUAL
DIAS LLUVIA	11		10	12	11	6	10	9	12	20			

PUESTO: LA CIMARRONA  
 AÑO : 1990

DPTO: TOLIMA  
 MPIO: FRESNO

LATITUD: 05° 10'N LONGITUD: 75° 00'W  
 ALTITUD : 1400 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1	6.0	10.0		0.0	6.0	0.0	0.0	0.0	7.0	7.0	9.0	30.0	
2	3.0	2.0		40.0	19.0	0.0	0.0	0.0	0.0	0.0	17.0	4.0	
3	0.0	20.0		18.0	2.0	0.0	0.0	0.0	0.0	5.0	13.0	3.0	
4	0.0	9.0		40.0	1.0	0.0	0.0	1.0	0.0	0.0	40.0	78.0	
5	8.0	1.0		1.0	10.0	0.0	0.0	0.0	0.0	5.0	13.0	6.0	
6	4.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	134.0	7.0	9.0	
7	3.0	14.0		0.0	0.0	10.0	18.0	11.0	0.0	0.0	21.0	7.0	
8	0.0	21.0		0.0	42.0	0.0	3.0	0.0	8.0	35.0	4.0	8.0	
9	4.0	3.0		2.0	1.0	0.0	1.0	0.0	0.0	3.0	0.0	19.0	
10	7.0	0.0		0.0	0.0	0.0	9.0	0.0	0.0	31.0	0.0	57.0	
11	19.0	0.0		0.0	0.0	8.0	0.0	0.0	0.0	3.0	0.0	4.0	
12	0.0	1.0		0.0	4.0	21.0	0.0	13.0	1.0	2.0	0.0	0.0	
13	0.0	26.0		0.0	0.0	0.0	2.0	0.0	16.0	8.0	0.0	0.0	
14	0.0	0.0		0.0	3.0	102.0	0.0	2.0	0.0	0.0	0.0	0.0	
15	10.0	0.0		13.0	0.0	0.0	0.0	0.0	0.0	48.0	24.0	0.0	
16	45.0	3.0		0.0	0.0	0.0	5.0	0.0	8.0	35.0	35.0	4.0	
17	9.0	0.0		55.0	5.0	0.0	13.0	10.0	0.0	6.0	15.0	0.0	
18	12.0	2.0		4.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0	0.0	
19	10.0	0.0		5.0	0.0	0.0	10.0	0.0	4.0	0.0	10.0	0.0	
20	1.0	19.0		0.0	0.0	0.0	0.0	0.0	18.0	56.0	7.0	37.0	
21	0.0	1.0		31.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	
22	0.0	3.0		6.0	0.0	0.0	0.0	0.0	7.0	9.0	34.0	17.0	
23	0.0	27.0		10.0	0.0	0.0	0.0	0.0	3.0	0.0	6.0	14.0	
24	1.0	18.0		5.0	0.0	0.0	5.0	0.0	2.0	0.0	21.0	3.0	
25	0.0	0.0		7.0	0.0	0.0	0.0	17.0	5.0	50.0	0.0	15.0	
26	0.0	0.0		22.0	0.0	0.0	0.0	20.0	0.0	18.0	0.0	0.0	
27	0.0	1.0		0.0	0.0	0.0	0.0	4.0	8.0	0.0	26.0	10.0	
28	14.0	0.0		8.0	0.0	0.0	0.0	15.0	0.0	6.0	3.0	5.0	
29	0.0			0.0	0.0	0.0	0.0	0.0	3.0	0.0	11.0	3.0	
30	0.0			3.0	0.0	23.0	0.0	0.0	10.0	0.0	40.0	7.0	
31	1.0				0.0		0.0	10.0		20.0		19.0	
TOTAL	157.0	181.0		270.0	93.0	164.0	66.0	103.0	115.0	481.0	375.0	359.0	
DIAS LLUVIA	17	18		17	10	5	9	10	15	19	21	22	

PUESTO: PALOCABILDO  
 AÑO : 1990

DPTO: TOLIMA  
 MPIO: FALAN

LATITUD: 05° 08'N LONGITUD: 74° 53'W  
 ALTITUD : 1500 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1	22.0	0.0	0.0	0.0	48.0	2.0	12.0	0.0	20.0	19.0	21.0	89.0	
2	8.0	19.0	0.0	0.0	17.0	0.0	0.0	0.0	8.0	16.0	54.0	28.0	
3	10.0	0.0	4.0	54.0	12.0	0.0	0.0	0.0	0.0	0.0	14.0	3.0	
4	4.0	26.0	113.0	10.0	0.0	0.0	0.0	0.0	0.0	10.0	23.0	60.0	
5	0.0	7.0	0.0	38.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	54.0	
6	40.0	0.0	58.0	0.0	0.0	0.0	0.0	3.0	17.0	50.0	2.0	8.0	
7	0.0	0.0	2.0	0.0	4.0	0.0	0.0	0.0	0.0	65.0	7.0	6.0	
8	4.0	21.0	31.0	0.0	0.0	0.0	35.0	23.0	2.0	0.0	0.0	11.0	
9	0.0	6.0	0.0	0.0	3.0	9.0	2.0	0.0	0.0	35.0	17.0	7.0	
10	21.0	0.0	0.0	0.0	7.0	2.0	0.0	0.0	0.0	2.0	0.0	81.0	
11	2.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	75.0	0.0	48.0	
12	33.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	8.0	0.0	0.0	
13	0.0	5.0	0.0	4.0	12.0	91.0	0.0	0.0	3.0	3.0	0.0	0.0	
14	6.0	0.0	0.0	0.0	19.0	32.0	2.0	0.0	20.0	10.0	0.0	0.0	
15	0.0	17.0	0.0	15.0	23.0	53.0	1.0	5.0	0.0	13.0	0.0	0.0	
16	7.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	7.0	
17	9.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	47.0	43.0	0.0	
18	14.0	17.0	2.0	3.0	0.0	3.0	11.0	6.0	2.0	0.0	7.0	2.0	
19	34.0	1.0	164.0	10.0	0.0	0.0	0.0	0.0	0.0	2.0	18.0	0.0	
20	6.0	4.0	0.0	8.0	0.0	0.0	5.0	0.0	0.0	73.0	23.0	0.0	
21	25.0	17.0	0.0	12.0	0.0	0.0	0.0	0.0	40.0	13.0	8.0	29.0	
22	0.0	26.0	48.0	7.0	0.0	0.0	0.0	0.0	7.0	0.0	6.0	0.0	
23	0.0	16.0	29.0	0.0	0.0	0.0	0.0	0.0	24.0	12.0	6.0	37.0	
24	0.0	29.0	0.0	4.0	0.0	4.0	4.0	0.0	0.0	2.0	7.0	16.0	
25	0.0	0.0	15.0	27.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	1.0	
26	3.0	0.0	39.0	0.0	0.0	0.0	0.0	30.0	8.0	2.0	0.0	27.0	
27	0.0	8.0	0.0	21.0	0.0	0.0	0.0	8.0	0.0	60.0	0.0	1.0	
28	0.0	0.0	0.0	17.0	0.0	0.0	0.0	2.0	0.0	3.0	24.0	49.0	
29	35.0		5.0	0.0	0.0	0.0	4.0	0.0	0.0	21.0	5.0	3.0	
30	2.0		14.0	10.0	0.0	0.0	0.0	7.0	7.0	24.0	3.0	2.0	
31	0.0		32.0		0.0		0.0	0.0		1.0		19.0	
TOTAL	285.0	219.0	563.0	240.0	164.0	208.0	82.0	116.0	158.0	566.0	288.0	588.0	
DIAS LLUVIA	19	15	15	15	10	9	11	10	12	24	18	23	

PUESTO: LA DANTA  
 AÑO : 1990

DPTO: TOLIMA  
 MPIO: CASABIANCA

LATITUD: 05° 06'N LONGITUD: 75° 06'W  
 ALTITUD : 1700 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	2.0	0.0	0.0	0.0	35.0	10.0	0.0	0.0	0.0	5.0	10.0	20.0	
2	8.0	1.0	0.0	16.0	5.0	0.0	0.0	0.0	0.0	20.0	0.0	30.0	
3	11.0	0.0	0.0	0.0	6.0	0.0	15.0	0.0	0.0	0.0	0.0	31.0	
4	6.0	12.0	0.0	8.0	2.0	0.0	0.0	0.0	0.0	0.0	12.0	10.0	
5	1.0	0.0	3.0	19.0	0.0	0.0	18.0	0.0	0.0	10.0	0.0	20.0	
6	0.0	0.0	11.0	14.0	0.0	0.0	0.0	19.0	20.0	0.0	25.0	20.0	
7	4.0	3.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0	0.0	1.0	
8	3.0	9.0	2.0	0.0	10.0	0.0	10.0	0.0	10.0	40.0	42.0	1.0	
9	0.0	0.0	0.0	8.0	7.0	9.0	0.0	0.0	0.0	25.0	0.0	2.0	
10	12.0	0.0	0.0	0.0	24.0	1.0	0.0	20.0	0.0	5.0	15.0	50.0	
11	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.0	1.0	0.0	
12	0.0	0.0	0.0	0.0	0.0	3.0	0.0	14.0	0.0	10.0	0.0	0.0	
13	0.0	0.0	0.0	4.0	40.0	57.0	5.0	0.0	20.0	5.0	4.0	0.0	
14	0.0	0.0	0.0	40.0	15.0	35.0	25.0	0.0	15.0	0.0	15.0	0.0	
15	0.0	0.0	12.0	0.0	0.0	0.0	0.0	38.0	18.0	0.0	37.0	0.0	
16	34.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	5.0	10.0	1.0	10.0	
17	0.0	19.0	90.0	17.0	0.0	0.0	32.0	43.0	0.0	40.0	10.0	0.0	
18	0.0	15.0	0.0	4.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	
19	0.0	7.0	50.0	0.0	0.0	0.0	0.0	0.0	35.0	0.0	0.0	0.0	
20	11.0	0.0	0.0	12.0	0.0	0.0	10.0	0.0	30.0	0.0	0.0	5.0	
21	0.0	6.0	0.0	5.0	0.0	0.0	0.0	0.0	10.0	0.0	10.0	0.0	
22	0.0	0.0	0.0	27.0	0.0	0.0	0.0	48.0	20.0	0.0	0.0	0.0	
23	4.0	15.0	0.0	4.0	0.0	0.0	10.0	0.0	25.0	0.0	15.0	0.0	
24	0.0	0.0	10.0	18.0	0.0	8.0	0.0	0.0	28.0	0.0	20.0	11.0	
25	4.0	4.0	4.0	0.0	0.0	0.0	0.0	35.0	15.0	0.0	0.0	0.0	
26	0.0	0.0	18.0	31.0	0.0	0.0	18.0	0.0	95.0	0.0	0.0	0.0	
27	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	
28	0.0	2.0	0.0	3.0	14.0	0.0	0.0	0.0	25.0	0.0	30.0	0.0	
29	0.0	0.0	0.0	16.0	0.0	0.0	12.0	0.0	5.0	0.0	0.0	0.0	
30	0.0	0.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	20.0	
31	0.0	0.0	12.0	0.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	127.0	103.0	306.0	250.0	215.0	123.0	155.0	239.0	396.0	275.0	257.0	231.0	ANUAL
DIAS LLUVIA	13	12	12	18	12	7	10	9	18	12	16	14	2677.0 153

PUESTO: EL EDEN  
 AÑO : 1990

DPTO: TOLIMA  
 MPIO: LIBANO

LATITUD: 04° 58'N LONGITUD: 75° 00'W  
 ALTITUD : 1350 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	0.0	0.0	52.0	0.0	0.0	32.0	0.0	0.0	30.0	16.0	0.0	
2	37.0	0.0	0.0	0.0	26.0	0.0	0.0	0.0	5.0	3.0	49.0	94.0	
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	4.0	0.0	
4	0.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0	
5	0.0	0.0	57.0	0.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	86.0	
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	34.0	0.0	0.0	0.0	
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.0	0.0	17.0	
8	0.0	17.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	6.0	0.0	
9	0.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	
10	24.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	12.0	31.0	
11	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	36.0	0.0	2.0	
12	7.0	35.0	0.0	0.0	0.0	44.0	0.0	0.0	3.0	4.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	15.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	0.0	21.0	24.0	0.0	0.0	4.0	15.0	0.0	0.0	
15	0.0	0.0	0.0	40.0	0.0	10.0	2.0	0.0	0.0	0.0	0.0	0.0	
16	18.0	0.0	0.0	30.0	0.0	0.0	0.0	2.0	0.0	8.0	0.0	0.0	
17	8.0	37.0	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	0.0	0.0	0.0	2.0	15.0	0.0	0.0	0.0	0.0	0.0	
19	36.0	0.0	135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	
20	0.0	15.0	0.0	42.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	
21	53.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	7.0	0.0	
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.0	11.0	0.0	
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	22.0	21.0	0.0	
25	0.0	0.0	12.0	61.0	0.0	0.0	0.0	0.0	19.0	6.0	0.0	0.0	
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	0.0	4.0	0.0	26.0	
27	0.0	40.0	0.0	0.0	0.0	0.0	0.0	12.0	12.0	0.0	0.0	20.0	
28	0.0	0.0	0.0	5.0	7.0	0.0	0.0	27.0	0.0	0.0	9.0	0.0	
29	25.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	31.0	0.0	0.0	
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.0	5.0	17.0	
31	0.0	0.0	0.0	0.0	9.0	0.0	0.0	2.0	20.0	6.0	0.0	0.0	
TOTAL	208.0	277.0	204.0	230.0	101.0	112.0	88.0	81.0	118.0	330.0	165.0	312.0	ANUAL
DIAS LLUVIA	8	7	3	6	6	6	8	7	10	18	11	9	2226.0 99



PUESTO: EL INCIENSAL  
 AÑO : 1990

DPTO: TOLIMA  
 MPIO: MURILLO

LATITUD: 04° 53'N LONGITUD: 75° 08'W  
 ALTITUD : 2400 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1	0.0	0.0	0.0	0.0	7.5	16.0	0.0	0.0	18.5	10.0	4.6	0.0	
2	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	4.5	2.2	15.5	42.4	
3	1.2	0.0	0.0	11.0	0.0	0.0	0.0	0.0	.5	0.0	2.2	4.2	
4	11.5	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	36.6	
5	0.0	2.5	8.5	13.5	0.0	0.0	0.0	0.0	0.0	0.0	3.0	40.2	
6	0.0	.5	0.0	15.0	0.0	0.0	0.0	.5	3.5	13.0	.4	6.0	
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	1.7	41.7	
8	0.0	30.0	0.0	0.0	0.0	0.0	23.5	.5	3.5	0.0	7.5	7.3	
9	0.0	2.5	0.0	0.0	0.0	1.0	2.0	0.0	0.0	13.1	0.0	0.0	
10	12.0	12.0	2.5	0.0	0.0	3.0	2.0	0.0	2.3	1.6	0.0	0.0	
11	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	0.0	0.0	
12	2.2	0.0	0.0	8.0	0.0	1.0	0.0	0.0	51.0	8.3	0.0	0.0	
13	0.0	0.0	0.0	7.0	60.0	42.0	0.0	0.0	.3	7.0	0.0	0.0	
14	0.0	28.5	0.0	0.0	13.0	24.0	0.0	19.5	0.0	35.5	.5	0.0	
15	0.0	0.0	0.0	32.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	
16	30.0	0.0	0.0	7.8	0.0	0.0	19.0	0.0	0.0	23.3	6.6	0.0	
17	0.0	10.0	0.0	1.5	0.0	0.0	2.0	.3	0.0	0.0	2.2	0.0	
18	0.0	0.0	0.0	4.5	0.0	0.0	43.5	0.0	0.0	0.0	10.5	0.0	
19	0.0	2.0	31.0	4.0	0.0	0.0	0.0	0.0	0.0	10.8	1.2	.7	
20	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	5.0	64.5	6.2	0.0	
21	3.0	8.9	0.0	15.0	0.0	0.0	0.0	0.0	27.0	2.3	5.7	0.0	
22	0.0	3.5	0.0	14.0	0.0	.5	0.0	0.0	22.5	0.0	2.2	0.0	
23	0.0	18.0	0.0	4.0	0.0	.5	0.0	0.0	1.5	7.7	13.2	28.3	
24	0.0	8.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	7.4	
25	0.0	9.0	22.0	10.5	0.0	0.0	0.0	0.0	1.5	.5	0.0	8.5	
26	22.5	0.0	12.0	0.0	34.0	0.0	0.0	8.0	30.0	0.0	0.0	13.5	
27	0.0	0.0	0.0	25.0	0.0	0.0	0.0	1.5	0.0	14.0	0.0	0.0	
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	48.0	7.3	6.9	
29	0.0	0.0	0.0	0.0	0.0	0.0	2.2	9.5	0.0	21.2	2.6	8.5	
30	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.3	1.8	6.7	1.2	10.0	
31	0.0	0.0	7.0	0.0	0.0	0.0	0.0	2.0	0.0	5.2	0.0	0.0	
TOTAL	84.4	198.4	91.5	172.8	129.5	88.0	99.7	68.1	173.4	320.4	105.3	262.2	1793.7
DIAS LLUVIA	8	15	8	15	5	8	8	11	15	21	21	15	150

PUESTO: GUADUALITO  
 AÑO : 1990

DPTO: TOLIMA  
 MPIO: SANTA ISABEL

LATITUD: 04° 42'N LONGITUD: 75° 04'W  
 ALTITUD : 1620 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1	4.0	0.0	0.0	0.0	6.0	29.0	0.0	0.0	12.0	26.0	5.0	39.0	
2	6.0	0.0	0.0	14.0	2.0	0.0	0.0	0.0	9.0	21.0	5.0	0.0	
3	0.0	0.0	0.0	16.0	3.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	
4	0.0	10.0	60.0	5.0	2.0	0.0	0.0	0.0	0.0	0.0	4.0	60.0	
5	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	2.0	0.0	72.0	
6	0.0	0.0	10.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	6.0	0.0	25.0	
8	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	6.0	0.0	
9	0.0	0.0	8.0	0.0	0.0	6.0	2.0	0.0	0.0	0.0	8.0	0.0	
10	0.0	12.0	1.0	0.0	0.0	8.0	6.0	0.0	11.0	10.0	0.0	0.0	
11	0.0	0.0	1.0	0.0	2.0	6.0	0.0	0.0	20.0	8.0	0.0	0.0	
12	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	6.0	0.0	0.0	
13	0.0	0.0	8.0	0.0	5.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	
14	0.0	0.0	6.0	0.0	3.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	
15	0.0	0.0	0.0	0.0	0.0	0.0	7.0	11.0	0.0	0.0	0.0	0.0	
16	0.0	0.0	10.0	0.0	0.0	0.0	5.0	0.0	0.0	10.0	0.0	0.0	
17	6.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18	0.0	0.0	10.0	32.0	0.0	0.0	3.0	0.0	0.0	0.0	44.0	0.0	
19	0.0	4.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20	0.0	6.0	6.0	2.0	0.0	0.0	0.0	0.0	3.0	30.0	2.0	0.0	
21	0.0	0.0	10.0	4.0	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	24.0	10.0	0.0	0.0	
23	0.0	1.0	18.0	14.0	0.0	10.0	0.0	0.0	30.0	2.0	5.0	0.0	
24	0.0	22.0	22.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	
25	34.0	8.0	18.0	30.0	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	8.0	0.0	0.0	0.0	25.0	
27	0.0	0.0	0.0	2.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	8.0	15.0	0.0	0.0	4.0	0.0	40.0	0.0	0.0	
29	0.0	0.0	0.0	10.0	1.0	0.0	0.0	8.0	0.0	8.0	0.0	45.0	
30	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	25.0	10.0	0.0	0.0	
31	0.0	0.0	10.0	0.0	28.0	0.0	0.0	0.0	0.0	16.0	0.0	9.0	
TOTAL	60.0	73.0	208.0	191.0	81.0	61.0	23.0	45.0	142.0	224.0	79.0	287.0	1474.0
DIAS LLUVIA	5	8	17	15	13	6	5	5	10	20	8	8	120

PUESTO: TOTARITO  
 AÑO : 1990

DPTO: TOLIMA  
 MPIO: ALVARADO

LATITUD: 04° 40'N LONGITUD: 75° 01'W  
 ALTITUD : 1250 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	7.0	0.0	0.0	0.0	5.0	17.0	0.0	0.0	22.0	12.0	0.0	0.0	
2	5.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	19.0	15.0	
3	0.0	0.0	5.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	
4	14.0	18.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	
5	0.0	9.0	0.0	0.0	13.0	0.0	0.0	0.0	0.0	9.0	0.0	100.0	
6	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	5.0	0.0	
7	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	11.0	
8	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	
9	0.0	0.0	0.0	0.0	14.0	7.0	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	5.0	0.0	0.0	0.0	0.0	0.0	
11	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	30.0	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	
13	0.0	0.0	0.0	0.0	26.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	
14	0.0	0.0	1.0	0.0	14.0	6.0	0.0	0.0	0.0	8.0	0.0	0.0	
15	9.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	
17	0.0	0.0	9.0	11.0	0.0	0.0	11.0	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	23.0	0.0	
19	0.0	0.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	11.0	6.0	0.0	
20	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	5.0	0.0	
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	27.0	0.0	0.0	
22	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	
23	0.0	0.0	11.0	0.0	0.0	6.0	0.0	0.0	4.0	3.0	0.0	0.0	
24	0.0	0.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	
25	0.0	9.0	10.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
26	18.0	0.0	7.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	21.0	
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	9.0	0.0	0.0	
28	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
29	0.0	0.0	0.0	0.0	10.0	0.0	0.0	24.0	0.0	0.0	0.0	2.0	
30	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	3.0	
31	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	
TOTAL	76.0	73.0	158.0	109.0	90.0	58.0	22.0	53.0	99.0	157.0	80.0	182.0	ANUAL
DIAS LLUVIA	7	5	9	7	7	5	4	4	6	12	7	9	1157.0 82

PUESTO: JANIYOF  
 AÑO : 1990

DPTO: TOLIMA  
 MPIO: ANZOATEGUI

LATITUD: 04° 38'N LONGITUD: 75° 06'W  
 ALTITUD : 1700 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	0.0	0.0	6.0	0.0	10.0	0.0	0.0	20.0	10.0	3.0	10.0	
2	5.0	0.0	8.0	25.0	5.0	0.0	0.0	0.0	3.0	25.0	24.0	0.0	
3	0.0	0.0	4.0	25.0	8.0	0.0	0.0	0.0	15.0	4.0	0.0	0.0	
4	0.0	0.0	20.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	18.0	20.0	
5	9.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	130.0	
6	25.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	
7	10.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	
8	30.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	10.0	0.0	
9	15.0	10.0	10.0	0.0	0.0	10.0	5.0	0.0	0.0	0.0	10.0	0.0	
10	10.0	25.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	6.0	0.0	0.0	
11	0.0	18.0	8.0	0.0	5.0	0.0	0.0	0.0	8.0	15.0	0.0	0.0	
12	0.0	9.0	10.0	0.0	0.0	0.0	0.0	0.0	12.0	2.0	0.0	0.0	
13	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	10.0	
14	0.0	18.0	1.0	20.0	10.0	10.0	0.0	0.0	0.0	6.0	0.0	0.0	
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	8.0	0.0	0.0	
17	5.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	
18	0.0	30.0	18.0	25.0	0.0	0.0	15.0	0.0	0.0	0.0	30.0	0.0	
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	1.0	0.0	
20	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0	
21	0.0	40.0	10.0	0.0	0.0	0.0	0.0	0.0	20.0	33.0	1.0	0.0	
22	0.0	15.0	1.0	30.0	0.0	0.0	0.0	0.0	15.0	4.0	10.0	0.0	
23	0.0	0.0	14.0	0.0	0.0	6.0	0.0	0.0	25.0	3.0	2.0	20.0	
24	0.0	0.0	20.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	
25	18.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
26	0.0	21.0	10.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	
27	0.0	0.0	2.0	10.0	5.0	0.0	0.0	12.0	0.0	8.0	0.0	20.0	
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	12.0	0.0	0.0	
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	5.0	0.0	1.0	
30	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	10.0	0.0	10.0	
31	0.0	0.0	6.0	0.0	8.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	
TOTAL	137.0	192.0	170.0	211.0	53.0	56.0	30.0	44.0	136.0	195.0	127.0	231.0	ANUAL
DIAS LLUVIA	10	11	17	10	9	5	3	5	10	21	12	9	1582.0 122

PUESTO: LA MESETA  
 AÑO : 1990

DPTO: TOLIMA  
 MPID: SAN ANTONIO

LATITUD: 03° 55'N LONGITUD: 75° 29'W  
 ALTITUD : 1600 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	2.0	0.0	0.0		0.0	0.0	0.0	40.0	30.0	46.0		
2	2.0	0.0	0.0	0.0		0.0	0.0	2.0	6.0	30.0			
3	0.0	20.0	0.0	6.0		0.0	2.0	0.0	4.0	6.0			
4	0.0	10.0	20.0	10.0		4.0	0.0	0.0	2.0	10.0			
5	8.0	0.0	10.0	6.0		0.0	0.0	0.0	18.0	0.0			
6	0.0	0.0	0.0	0.0		0.0	0.0	0.0	6.0	0.0			
7	0.0	6.0	0.0	0.0		0.0	0.0	0.0	2.0	20.0			
8	6.0	8.0	0.0	0.0		0.0	20.0	0.0	10.0	0.0			
9	10.0	40.0	0.0	0.0		4.0	10.0	0.0	44.0	8.0	0.0		
10	2.0	0.0	0.0	2.0		30.0	8.0	0.0	6.0	0.0	0.0		
11	0.0	2.0	0.0	0.0		2.0	0.0	0.0	20.0	4.0	0.0		
12	0.0	6.0	4.0	4.0		0.0	0.0	0.0	10.0	0.0	0.0		
13	16.0	0.0	0.0	0.0		2.0	0.0	0.0	4.0	14.0	0.0		
14	0.0	4.0	0.0	20.0		0.0	4.0	0.0	0.0	0.0	0.0		
15	2.0	0.0	0.0	10.0		0.0	0.0	0.0	0.0	2.0	0.0		
16	6.0	0.0	6.0	0.0		0.0	2.0	0.0	0.0	4.0	0.0		
17	0.0	20.0	20.0	2.0		0.0	10.0	0.0	0.0	10.0	8.0		
18	0.0	10.0	10.0	0.0		2.0	0.0	0.0	0.0	12.0	0.0		
19	2.0	0.0	2.0	0.0		0.0	0.0	0.0	0.0	20.0	4.0		
20	0.0	0.0	0.0	0.0		0.0	2.0	0.0	6.0	10.0	0.0		
21	0.0	0.0	0.0	0.0		0.0	10.0	4.0	10.0	4.0	0.0		
22	0.0	4.0	20.0	20.0		0.0	0.0	0.0	0.0	2.0	16.0		
23	0.0	0.0	0.0	0.0		4.0	0.0	0.0	0.0	0.0	4.0		
24	0.0	0.0	0.0	10.0		0.0	0.0	0.0	0.0	0.0	0.0		
25	8.0	0.0	30.0	8.0		0.0	2.0	0.0	0.0	0.0	0.0		
26	0.0	0.0	0.0	0.0		0.0	0.0	4.0	0.0	2.0	4.0		
27	0.0	0.0	0.0	10.0		2.0	0.0	10.0	2.0	6.0	0.0		
28	2.0	0.0	0.0	0.0		0.0	0.0	4.0	0.0	2.0	2.0		
29	0.0		2.0	0.0		0.0	0.0	0.0	0.0	0.0	4.0		
30	0.0		6.0	0.0		2.0	0.0	16.0	4.0	26.0	0.0		
31	0.0		20.0				0.0	6.0		4.0			
TOTAL	64.0	132.0	150.0	108.0		52.0	70.0	44.0	132.0	224.0	154.0		ANUAL
DIAS LLUVIA	11	12	12	12		9	10	6	9	26	12		

PUESTO: POCO A POCO  
 AÑO : 1990

DPTO: TOLIMA  
 MPID: CHAPARRAL

LATITUD: 03° 47'N LONGITUD: 75° 33'W  
 ALTITUD : 1340 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	0.0	0.0	10.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	
2	0.0	5.0	0.0	0.0	12.0	0.0	0.0	0.0	30.0	0.0	0.0	6.0	
3	0.0	0.0	48.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	10.0	0.0	
4	0.0	10.0	10.0	0.0	18.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	
5	2.0	25.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	15.0	0.0	10.0	
6	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	
7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	60.0	0.0	
8	0.0	10.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	2.0	13.0	
9	35.0	5.0	0.0	0.0	0.0	5.0	27.0	0.0	0.0	6.0	10.0	0.0	
10	0.0	0.0	0.0	0.0	30.0	15.0	24.0	0.0	30.0	0.0	1.0	0.0	
11	20.0	0.0	0.0	0.0	10.0	0.0	10.0	0.0	5.0	5.0	0.0	3.0	
12	2.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	
13	20.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	
14	0.0	0.0	0.0	12.0	40.0	5.0	0.0	0.0	0.0	10.0	0.0	0.0	
15	0.0	0.0	10.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16	0.0	3.0	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	0.0	0.0	0.0	
18	0.0	5.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	30.0	
19	2.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	5.0	0.0	
20	0.0	0.0	15.0	0.0	0.0	0.0	15.0	0.0	6.0	5.0	0.0	0.0	
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	40.0	0.0	0.0	
22	0.0	0.0	0.0	10.0	0.0	0.0	4.0	0.0	5.0	2.0	0.0	0.0	
23	0.0	0.0	50.0	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
24	0.0	0.0	37.0	20.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	
25	4.0	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	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	10.0	14.0	0.0	
28	0.0	0.0	0.0	22.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	
29	0.0		0.0	0.0	5.0	0.0	0.0	0.0	5.0	0.0	10.0	0.0	
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	5.0	0.0	
31	0.0		0.0		0.0		0.0	10.0		50.0			
TOTAL	93.0	92.0	197.0	154.0	137.0	25.0	84.0	25.0	134.0	257.0	117.0	92.0	ANUAL
DIAS LLUVIA	9	9	7	9	9	3	6	2	8	18	9	7	1407.0 96

PUESTO: EL OCASO  
 AÑO : 1990

DPTO: TOLIMA  
 MPIO: DOLORES

LATITUD: 03° 32'N LONGITUD: 74° 53'W  
 ALTITUD : 1000 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	26.0	0.0	0.0	50.0	14.0	0.0	0.0	0.0	0.0	8.0	50.0		
2	0.0	41.0	0.0	0.0	35.0	0.0	0.0	0.0	20.0	16.0	0.0		
3	0.0	0.0	17.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	110.0		
4	0.0	0.0	0.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0		
5	26.0	6.0	0.0	0.0	24.0	0.0	0.0	0.0	0.0	0.0	18.0		
6	0.0	31.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0		
7	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	3.0	0.0		
8	14.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
9	22.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.0	0.0		
10	40.0	26.0	0.0	0.0	48.0	32.0	7.0	0.0	4.0	48.0	0.0		
11	0.0	4.0	0.0	0.0	0.0	3.0	9.0	0.0	0.0	0.0	0.0		
12	2.0	0.0	0.0	0.0	2.0	8.0	24.0	0.0	0.0	0.0	0.0		
13	14.0	0.0	0.0	6.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0		
14	0.0	24.0	0.0	0.0	0.0	26.0	0.0	0.0	0.0	0.0	15.0		
15	0.0	13.0	0.0	52.0	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	0.0		
17	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0		
18	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0		
19	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.0	0.0		
20	0.0	0.0	7.0	0.0	0.0	0.0	4.0	0.0	12.0	0.0	2.0		
21	0.0	0.0	3.0	0.0	0.0	0.0	10.0	0.0	15.0	0.0	0.0		
22	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	24.0	36.0		
23	0.0	0.0	37.0	34.0	0.0	0.0	0.0	0.0	0.0	10.0	46.0		
24	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	40.0	36.0		
25	0.0	0.0	8.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	55.0		
26	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0		
27	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
28	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	14.0	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		
30	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	5.0	0.0	36.0		
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	10.0	0.0	0.0		
TOTAL	156.0	213.0	80.0	243.0	157.0	69.0	54.0	5.0	56.0	316.5	446.0		ANUAL
DIAS LLUVIA	8	10	6	13	8	4	5	1	5	12	14		

PUESTO: MONTEFRIO  
 AÑO : 1990

DPTO: TOLIMA  
 MPIO: NATAGAIMA

LATITUD: 03° 29'N LONGITUD: 75° 16'W  
 ALTITUD : 1500 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	
3	0.0	0.0	0.0	51.0	0.0	10.0	0.0	0.0	0.0	20.0	10.0	0.0	
4	0.0	0.0	0.0	0.0	10.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	
5	10.0	0.0	0.0	0.0	81.0	0.0	0.0	0.0	0.0	0.0	10.0	10.0	
6	0.0	0.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	30.0	20.0	0.0	
7	0.0	0.0	0.0	0.0	101.0	0.0	0.0	0.0	0.0	10.0	0.0	10.0	
8	0.0	0.0	0.0	0.0	70.0	0.0	0.0	0.0	0.0	0.0	30.0	61.0	
9	20.0	0.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	
10	0.0	0.0	51.0	40.0	0.0	101.0	0.0	45.0	10.0	10.0	0.0	0.0	
11	10.0	0.0	0.0	121.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0	
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	30.0	0.0	
13	20.0	0.0	10.0	0.0	101.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	30.0	20.0	
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	10.0	
16	20.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	
17	10.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	101.0	0.0	
18	5.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	
19	0.0	0.0	0.0	0.0	0.0	0.0	20.0	90.0	0.0	10.0	70.0	0.0	
20	50.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	80.0	10.0	0.0	
21	10.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	
22	0.0	50.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	
23	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	30.0	
24	0.0	0.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	10.0	
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	20.0	0.0	
28	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	10.0	0.0	
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	70.0	0.0	
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	
TOTAL	175.0	60.0	322.0	483.0	111.0	141.0	90.0	45.0	545.0	546.0	151.0		ANUAL
DIAS LLUVIA	11	2	13	9	2	3	1	1	22	18	7		

PUESTO: LOS ANDES  
ANO : 1990

DPTO: TOLIMA  
MPIO: PLANADAS

LATITUD: 03° 11' N LONGITUD: 75° 37' W  
ALTITUD : 1500 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC
1				0.0	15.0	0.0	0.0	0.0		24.0	26.0	0.0
2				0.0	0.0	0.0	0.0	0.0		61.0	0.0	48.0
3				12.0	18.0	0.0	0.0	0.0		2.0	3.0	0.0
4				3.0	11.0	0.0	4.0	0.0		0.0	12.0	38.0
5				0.0	0.0	0.0	6.0	0.0		0.0	10.0	25.0
6				0.0	24.0	0.0	12.0	0.0		10.0	0.0	2.0
7				0.0	0.0	0.0	18.0	0.0		9.0	0.0	10.0
8				0.0	8.0	0.0	0.0	0.0		0.0	0.0	0.0
9				0.0	0.0	0.0	10.0	0.0		17.0	0.0	0.0
10				0.0	13.0	1.0	0.0	0.0		0.0	8.0	0.0
11				0.0	0.0	2.0	9.0	0.0		2.0	0.0	0.0
12				0.0	8.0	2.0	0.0	0.0		7.0	0.0	0.0
13				0.0	0.0	0.0	0.0	0.0		12.0	0.0	0.0
14				5.0	20.0	0.0	0.0	0.0		0.0	0.0	0.0
15				40.0	22.0	0.0	0.0	0.0		7.0	0.0	0.0
16				0.0	21.0	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
18				10.0	0.0	0.0	1.0	0.0		65.0	15.0	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		12.0	0.0	0.0
21				15.0	2.0	0.0	0.0	0.0		10.0	0.0	0.0
22				25.0	0.0	0.0	0.0	0.0		9.0	10.0	0.0
23				13.0	0.0	0.0	0.0	0.0		14.0	16.0	0.0
24				4.0	0.0	0.0	0.0	0.0		0.0	8.0	40.0
25				0.0	0.0	0.0	0.0	0.0		12.0	12.0	25.0
26				0.0	0.0	0.0	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
28				100.0	0.0	0.0	0.0	25.0		11.0	0.0	0.0
29				20.0	0.0	0.0	0.0	4.0		0.0	0.0	35.0
30				22.0	0.0	0.0	0.0	0.0		10.0	0.0	27.0
31					0.0		0.0	0.0		15.0		0.0

ANUAL

TOTAL  
DIAS LLUVIA

269.0 162.0 5.0 60.0 29.0 309.0 120.0 250.0  
12 11 3 7 2 19 10 9

PUESTO: SANTA MARTA  
ANO : 1990

DPTO: VALLE  
MPIO: EL AGUILA

LATITUD: 04° 52' N LONGITUD: 76° 03' W  
ALTITUD : 1760 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC
1	9.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	7.0	12.0	0.0	34.0
2	0.0	0.0	0.0	0.0	19.0	0.0	6.0	0.0	0.0	0.0	17.0	0.0
3	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0
4	6.0	18.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	27.0	49.0
5	12.0	35.0	0.0	0.0	15.0	21.0	0.0	0.0	0.0	9.0	0.0	18.0
6	0.0	0.0	0.0	11.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	14.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
8	0.0	14.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	14.0	0.0	11.0
10	0.0	0.0	0.0	0.0	26.0	22.0	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	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	8.0	11.0	0.0	0.0	12.0	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	11.0	0.0	0.0
15	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0
17	5.0	0.0	10.0	9.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	17.0	0.0	13.0	0.0	0.0	28.0	9.0	0.0
19	0.0	6.0	0.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	10.0	0.0	0.0	0.0	23.0	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	30.0	25.0	48.0	0.0
22	0.0	0.0	6.0	23.0	0.0	0.0	0.0	0.0	11.0	15.0	0.0	0.0
23	0.0	0.0	0.0	12.0	21.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	18.0	0.0	19.0	10.0	0.0	82.0	0.0	10.0	0.0	0.0
25	19.0	0.0	10.0	16.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	30.0
26	0.0	9.0	0.0	6.0	0.0	0.0	0.0	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	0.0	8.0	0.0
28	0.0	0.0	0.0	23.0	0.0	0.0	0.0	0.0	0.0	17.0	0.0	16.0
29	0.0	0.0	14.0	15.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	18.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		54.0		0.0

ANUAL  
1504.0  
85

TOTAL  
DIAS LLUVIA

83.0 93.0 70.0 173.0 226.0 64.0 50.0 98.0 66.0 225.0 168.0 188.0  
8 6 6 11 12 4 5 3 4 11 8 7

PUESTO: EL PLACER  
 AÑO : 1990

DPTO: VALLE  
 MPIO: ANSERMANUEVO

LATITUD: 04° 47'N LONGITUD: 76° 06'W  
 ALTITUD : 1730 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	0.0	0.0	0.0	67.0	35.0	0.0	0.0	0.0	18.0	0.0	10.0	
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	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	
4	0.0	0.0	0.0	10.0	0.0	0.0	19.0	0.0	0.0	0.0	0.0	14.0	
5	0.0	37.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6	0.0	6.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	0.0	0.0	
8	20.0	0.0	0.0	0.0	0.0	20.0	9.0	0.0	0.0	0.0	0.0	0.0	
9	0.0	0.0	0.0	0.0	0.0	0.0	8.0	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	10.0	0.0	7.0	
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	14.0	0.0	0.0	
12	30.0	0.0	7.0	0.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13	0.0	0.0	10.0	0.0	40.0	0.0	0.0	60.0	0.0	0.0	7.0	0.0	
14	0.0	0.0	7.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	
15	0.0	0.0	0.0	42.0	0.0	10.0	0.0	0.0	0.0	21.0	0.0	0.0	
16	0.0	22.0	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	23.0	0.0	0.0	0.0	0.0	0.0	23.0	15.0	0.0	
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19	0.0	0.0	0.0	0.0	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	24.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	
21	35.0	0.0	0.0	0.0	0.0	0.0	95.0	0.0	0.0	14.0	40.0	0.0	
22	0.0	0.0	129.0	19.0	0.0	0.0	0.0	0.0	18.0	20.0	0.0	0.0	
23	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.0	0.0	0.0	0.0	0.0	
25	0.0	7.0	0.0	39.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
26	0.0	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	10.0	0.0	
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
29	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	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	3.0	0.0	0.0	
TOTAL	85.0	72.0	180.0	133.0	217.0	65.0	131.0	144.0	40.0	158.0	131.0	53.0	ANUAL
DIAS LLUVIA	3	4	6	5	7	3	4	4	2	10	8	5	1409.0
													61

PUESTO: BELLAVISTA  
 AÑO : 1990

DPTO: VALLE  
 MPIO: ANSERMANUEVO

LATITUD: 04° 45'N LONGITUD: 76° 06'W  
 ALTITUD : 1550 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	0.0	0.0	0.0	5.0	15.0	0.0	0.0	0.0	4.0	0.0	8.0	
2	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	45.0	6.0	10.0	
3	8.0	0.0	6.0	0.0	11.0	0.0	0.0	0.0	0.0	18.0	4.0	14.0	
4	5.0	16.0	0.0	3.0	0.0	5.0	0.0	0.0	0.0	3.0	3.0	18.0	
5	10.0	22.0	0.0	8.0	0.0	0.0	6.0	0.0	0.0	2.0	1.0	9.0	
6	3.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	5.0	
7	18.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	1.0	0.0	0.0	
8	30.0	25.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	
9	3.0	5.0	0.0	0.0	2.0	0.0	16.0	0.0	3.0	9.0	0.0	0.0	
10	0.0	0.0	0.0	17.0	10.0	0.0	0.0	0.0	16.0	22.0	0.0	0.0	
11	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	7.0	0.0	0.0	
14	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	2.0	0.0	0.0	
15	0.0	0.0	15.0	23.0	0.0	3.0	0.0	0.0	0.0	0.0	15.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	8.0	0.0	
17	0.0	0.0	10.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	7.0	0.0	
18	0.0	15.0	8.0	0.0	0.0	0.0	2.0	0.0	0.0	3.0	0.0	0.0	
19	0.0	12.0	2.0	0.0	0.0	0.0	30.0	0.0	13.0	10.0	2.0	0.0	
20	0.0	0.0	1.0	0.0	3.0	0.0	3.0	0.0	0.0	0.0	10.0	0.0	
21	15.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	11.0	4.0	15.0	0.0	
22	0.0	0.0	7.0	10.0	0.0	0.0	0.0	0.0	9.0	2.0	0.0	0.0	
23	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	
24	0.0	0.0	2.0	2.0	0.0	2.0	0.0	0.0	0.0	3.0	5.0	0.0	
25	0.0	0.0	6.0	35.0	0.0	0.0	0.0	5.0	0.0	1.0	5.0	0.0	
26	0.0	0.0	27.0	3.0	0.0	0.0	0.0	12.0	2.0	2.0	0.0	3.0	
27	0.0	0.0	0.0	0.0	13.0	0.0	0.0	1.0	18.0	0.0	2.0	8.0	
28	0.0	0.0	0.0	5.0	18.0	0.0	0.0	57.0	5.0	4.0	0.0	0.0	
29	0.0	0.0	0.0	7.0	9.0	2.0	0.0	0.0	3.0	3.0	0.0	0.0	
30	0.0	0.0	1.0	3.0	0.0	0.0	0.0	10.0	5.0	0.0	4.0	15.0	
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	
TOTAL	92.0	96.0	85.0	123.0	73.0	77.0	71.0	106.0	85.0	179.0	93.0	90.0	ANUAL
DIAS LLUVIA	8	7	11	13	9	6	8	8	10	23	15	9	1170.0
													127

PUESTO: LA SIRENA  
 AÑO : 1990

DPTO: VALLE  
 MPIO: SEVILLA

LATITUD: 04° 17'N LONGITUD: 75° 55'W  
 ALTITUD : 1500 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	12.0	20.0	
2	0.0	0.0	7.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	30.0	0.0	
3	3.0	8.0	0.0	9.0	3.0	5.0	4.0	0.0	0.0	41.0	3.0	37.0	
4	0.0	7.0	0.0	15.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0	
5	5.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6	53.0	0.0	0.0	0.0	7.0	0.0	27.0	0.0	0.0	26.0	0.0	0.0	
7	20.0	24.0	0.0	0.0	0.0	0.0	2.0	6.0	1.0	0.0	0.0	13.0	
8	25.0	0.0	0.0	0.0	12.0	9.0	12.0	0.0	0.0	19.0	0.0	5.0	
9	0.0	2.0	0.0	0.0	0.0	39.0	5.0	0.0	2.0	11.0	0.0	0.0	
10	45.0	4.0	0.0	0.0	8.0	0.0	3.0	0.0	1.0	30.0	0.0	0.0	
11	5.0	0.0	0.0	0.0	1.0	8.0	0.0	0.0	0.0	3.0	0.0	0.0	
12	0.0	0.0	0.0	7.0	13.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	
13	0.0	0.0	0.0	24.0	0.0	0.0	4.0	11.0	0.0	10.0	0.0	0.0	
14	0.0	0.0	1.0	60.0	0.0	17.0	9.0	0.0	0.0	4.0	0.0	0.0	
15	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	7.0	23.0	0.0	
16	0.0	0.0	25.0	4.0	0.0	0.0	7.0	1.0	0.0	10.0	0.0	0.0	
17	0.0	10.0	7.0	0.0	0.0	0.0	30.0	0.0	22.0	25.0	0.0	0.0	
18	0.0	1.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	50.0	0.0	0.0	
19	0.0	0.0	8.0	5.0	0.0	0.0	8.0	0.0	0.0	2.0	55.0	0.0	
20	2.0	0.0	10.0	3.0	0.0	0.0	10.0	0.0	35.0	10.0	3.0	0.0	
21	0.0	0.0	0.0	10.0	0.0	3.0	0.0	0.0	7.0	3.0	0.0	0.0	
22	0.0	13.0	10.0	1.0	0.0	0.0	1.0	0.0	1.0	0.0	31.0	2.0	
23	0.0	6.0	6.0	0.0	7.0	10.0	0.0	0.0	0.0	7.0	0.0	40.0	
24	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	
25	1.0	1.0	22.0	20.0	3.0	0.0	0.0	5.0	45.0	0.0	0.0	0.0	
26	0.0	0.0	0.0	28.0	7.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	17.0	9.0	0.0	0.0	3.0	0.0	1.0	0.0	3.0	
28	0.0	1.0	0.0	1.0	10.0	1.0	0.0	2.0	0.0	3.0	0.0	2.0	
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	54.0	2.0	0.0	10.0	
30	0.0	0.0	11.0	1.0	0.0	3.0	0.0	0.0	47.0	31.0	15.0	0.0	
31	0.0	0.0	4.0	0.0	10.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	
TOTAL	161.0	77.0	119.0	207.0	92.0	95.0	128.0	42.0	223.0	302.0	173.0	136.0	ANUAL
DIAS LLUVIA	10	11	14	17	14	9	15	9	11	23	9	10	1755.0 152

PUESTO: CAMPANELLA  
 AÑO : 1990

DPTO: VALLE  
 MPIO: PALMIRA

LATITUD: 03° 29'N LONGITUD: 76° 12'W  
 ALTITUD : 1550 m.

DIA	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	
1	0.0	64.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	6.0	0.0	0.0	40.0	0.0	0.0	2.0	0.0	0.0	0.0	60.0	0.0	
3	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	2.0	5.0	0.0	0.0	
4	0.0	42.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	4.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	46.0	0.0	0.0	
6	72.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	5.0	0.0	0.0	0.0	
7	0.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	
8	4.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	
9	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10	90.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	4.0	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	0.0	0.0	83.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14	0.0	20.0	2.0	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	0.0	0.0	0.0	0.0	0.0	
16	0.0	43.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	
18	0.0	64.0	2.0	0.0	0.0	0.0	0.0	2.0	0.0	42.0	15.0	0.0	
19	0.0	39.0	0.0	0.0	0.0	12.0	24.0	0.0	0.0	0.0	0.0	0.0	
20	0.0	3.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21	0.0	0.0	54.0	0.0	0.0	22.0	0.0	0.0	0.0	26.0	30.0	0.0	
22	0.0	0.0	0.0	20.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23	0.0	45.0	18.0	0.0	0.0	8.0	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	30.0	0.0	0.0	0.0	18.0	0.0	
25	0.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	
26	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	20.0	0.0	3.0	0.0	
28	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	
29	0.0	0.0	7.0	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	41.0	0.0	0.0	0.0	
31	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	
TOTAL	176.0	362.0	93.0	223.0	62.0	42.0	67.0	7.0	70.0	201.0	128.0	0.0	ANUAL
DIAS LLUVIA	5	11	6	8	6	3	5	2	5	10	6	0	1755.0 152