ISSN - 0120 - 0224

ANUARIO METEOROLOGICO 1989

40 años



Federación Nacional de Cafeteros de Colombia

Cenicafé

Centro Nacional de Investigaciones de Café
"Pedro Uribe Mejía"
Chinchiná - Caldas - Colombia

FEDERACION NACIONAL DE CAFETEROS DE COLOMBIA
CENTRO NACIONAL DE INVESTIGACIONES DE CAFE
DEPARTAMENTO DE BIOLOGIA Y SUELOS
SECCION DE AGROCLIMATOLOGIA

ANUARIO METEOROLOGICO 1989

SE CANJEA CON PUBLICACIONES DE LA MISMA INDOLE

DIRECCION:
CENICAFE - CHINCHINA - CALDAS - COLOMBIA
ADDRESS:

Este anuario fue preparado por el personal de la Disciplina de Agroclimatología del Centro Nacional de Investigaciones de Café, con la valiosa colaboración del personal de Extensión y del Departamento de Sistematización de Datos de la Federación Nacional de Cafeteros.

PRESENTACION

La información climática obtenida en las estaciones meteorológicas, constituye un valioso recurso para la zonificación de las áreas, conocer su potencial productivo y vocación de uso para la explotación agropecuaria, y explicar fenómenos estacionales de reducción o incremento de la producción debidos a la variación de los factores climáticos.

Dicha información es valiosa en la medida que sea exacta y se obtenga y recopile en forma continua durante períodos prolongados.

Consciente de estas premisas, la Federación Nacional de Cafeteros de Colombia, por intermedio de su Centro Nacional de Investigaciones de Café -CENICAFE- Disciplina de Agroclimatología, y con la colaboración de los Comités de Cafeteros ha organizado y mantenido durante más de cuarenta años una red climatológica establecida en la zona cafetera colombiana, con el fin de conocer el comportamiento del clima y ayudar a los caficultores al establecimiento de los cultivos en las zonas adecuadas para cada uno de ellos.

Un desarrollo más reciente que se ha podido lograr gracias a la existencia de las series históricas de datos meteorológicos es la identificación de los ECOTOPOS CAFETEROS, a nivel de toda la zona cafetera del país.

La publicación del ANUARIO METEOROLOGICO por parte de CENICAFE llega con esta entrega a su Volumen No. 40, sin interrupción.

Con gran satisfacción hacemos esta entrega ya que sabemos que el ANUARIO es referencia de consulta obligada para los especialistas en climatología y por ello las bibliotecas de los Centros Universitarios y de Investigación de Colombia y el exterior, mantienen su colección para facilitarle su consulta a los lectores.

GABRIEL CADENA GOMEZ
Director CENICAFE

HISTORIA

Ha constituído una labor ininterrumpida entregar a la comunidad cafetera y a los institutos de investigación, el ANUARIO METEOROLOGICO desde 1950 hasta 1989. Con esta entrega queremos hacer un reconocimiento a quienes han contribuído con su trabajo para el éxito de esta publicación durante 40 años.

Los ANUARIOS de 1950 a 1961 fueron dirigidos por HANS TROJER y de 1962 a 1989 por LUCIA GOMEZ GOMEZ.

El tamaño del boletín ha sido siempre igual, durante varios años se ha incluído información de un mismo sitio, constituyendo su colección una valiosa información de series largas de datos en varias localidades. Las variaciones que ha sufrido la publicación a través del tiempo, se han referido a un mayor detalle de los datos, en algunos años se suministraron valores de lecturas a nivel horario, y se llegó a publicar en tres volúmenes. En los últimos 19 años se hizo en un volumen y con un mismo diseño.

Los primeros ejemplares fueron elaborados totalmente en CENICAFE, desde la obtención y evaluación de los datos, la ardua tarea de las copias mecanografiadas de los cuadros estadísticos ejecutada durante un largo período por Cruzana García, hasta el proceso editorial dirigido por Jorge Prieto.

En 1971 entramos a la era del proceso electrónico, el programa fue elaborado por Eustasio Gaitán bajo la dirección de Lucía Gómez, con la colaboración de Edilberto Taborda y en la digitación de datos contamos con la ayuda de Rosa Gómez y Ana Giraldo. El Proceso editorial ha sido dirigido por la Sección de Divulgación.

En los procesos para obtener la información han contribuído todas las personas que han laborado en la Disciplina de Agroclimatología en estos 40 años. Debemos reconocer el trabajo de los observadores, en general campesinos, que con paciencia, dedicación y cariño en muchos casos, han hecho las lecturas tres veces al día en los equipos que miden los diferentes elementos meteorológicos, instalados en las estaciones climatológicas localizadas en su mayoría en predios rurales de la zona cafetera colombiana.

No se puede desconocer el apoyo decidido de los Directivos de la Federación Nacional de Cafeteros, en especial de la rama técnica, para que la publicación se hiciera una realidad y sus ejemplares fueran distribuídos a través del mundo.

LUCIA GOMEZ GOMEZ
Líder Disciplina Agroclimatología

INTRODUCCION

La presente información corresponde a las observaciones meteorológicas realizadas durante el año 1989, en la red de estaciones que posee la Federación Nacional de Cafeteros, en la zona cafetera colombiana.

Dicha información comprende : a) Estaciones principales, con datos de temperatura, humedad relativa, tensión de vapor, punto de rocío, lluvia y brillo solar; b) Estaciones heliopluviográficas, con datos de lluvia y brillo solar; c) Puestos pluviográficos, con datos de lluvia obtenidos en pluviógrafos; d) Puestos pluviométricos, con datos de lluvia observados en pluviómetros.

En la estación central, en el Centro Nacional de Investigaciones de Café, se recopilan, confrontan, corrigen y calculan los datos de toda la red de estaciones.

Para obtener la información se utilizó el siguiente instrumental: termómetro de mercurio, especial para observaciones de temperatura máxima; termómetro de alcohol, especial para observaciones de temperatura mínima; psicrómetro tipo Assmann; termógrafo bimetálico; higrógrafo e higrómetro de cabellos; pluviógrafo tipo Hellmann; pluviómetro de reglilla y heliógrafo tipo Campbell-Stokes.

Las observaciones se realizaron tres veces diarias: a las 07:00; 13:00 y 19:00 horas, hora local, contando además con datos contínuos en aparatos registradores.

CALCULOS

Para obtener los valores de humedad relativa, tensión de vapor y punto de rocío, a cada término de observación se utilizaron las lecturas de psicrómetro (termómetro seco y termómetro húmedo), y las tablas de tensión del vapor saturante, aplicando las fórmulas siguientes :

$$e = E_1 - Ap\ (t - t_1)$$

e = tensión del vapor actual, en milibares

E_1 = tensión del vapor de saturación a la temperatura t_1

Ap = constante psicrométrica (en función del aparato y de la presión atmosférica)

t = temperatura del termómetro seco, en °C

t_1 = temperatura del termómetro húmedo, en °C

$$\text{Humedad relativa} = \frac{e}{E} \times 100$$

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

Punto de rocío = la temperatura que correspondería cuando "e" se iguala a "E".

Los valores medios diarios de la humedad relativa, la tensión del vapor y el punto de rocío, corresponden a la media aritmética de las tres observaciones, así:

$$\frac{07 + 13 + 19}{3}$$

La temperatura media diaria se obtiene, según el siguiente promedio aritmético :

$$\frac{07 + 13 + 19 + 19}{4}$$

Se presentan las medias mensuales y anuales de los elementos antes mencionados, incluyendo los valores de las temperaturas máxima y mínima media, calculados como medias aritméticas de los valores diarios correspondientes.

Las temperaturas máximas absolutas, corresponden al mayor valor observado durante un período. Las temperaturas mínimas absolutas, corresponden al mínimo valor observado en el período.

Los valores de lluvia corresponden a : Día = total de lluvia registrado desde las 7 a.m. hasta las 7 p.m.; Noche = total de lluvia registrado desde las 7 p.m. hasta las 7 a.m. del día siguiente; Total = suma de los valores de día y noche. Se anotan los días lluviosos, o sea el número de días que presentaron una lluvia superior a 0,1 mm.

El brillo solar corresponde a la suma diaria, mensual o anual de horas de insolación registradas en heliógrafo tipo Campbell Stokes.

MODIFICACIONES EN EL SERVICIO METEOROLOGICO

Los estudios climáticos requieren continuidad en las series de datos de los elementos meteorológicos durante un período largo. A continuación se anotan los cambios efectuados con relación al año anterior, 1988:

ESTACIONES

Cambios de categoría : Sasaima - Santa Bárbara elevada a principal
Caicedonia - Venecia elevada a principal
Ginebra - La Selva elevada a heliopluviográfica
Villarrica - Luis Bustamante reducida a heliopluviográfica

Nuevas :

Ibagué - La Primavera	principal
Chinchiná - La Romelia	pluviográfica
El Peñón - Santa Rosita	pluviográfica
Rionegro - La Siberia	pluviográfica

PUESTOS PLUVIOMETRICOS

Suspendidos :

Municipio	Estación	Departamento
Támesis	Santa Teresa	Antioquia
Pácora	La Linda	Caldas
Pácora	La Cascada	Caldas
Filadelfia	La Julia	Caldas
Chinchiná	La Francia	Caldas
Santander	Mondomo	Cauca
Vianí	Vianí	Cundinamarca
Viotá	Atala	Cundinamarca
San Bernardo	Arabia	Cundinamarca
Convención	La Laguna	Norte de Santander
Montenegro	Milán	Quindío
Marsella	Casablanca	Risaralda
Pereira	Los Cámbulos	Risaralda
Pereira	El Encanto	Risaralda
La Celia	Tesorito	Risaralda
Suaita	El Recreo	Santander
Herveo	El Progreso	Tolima
Ulloa	Dinamarca	Valle
Alcalá	La Comarca	Valle

Nuevos :

Manizales	Santa Teresita	Caldas
Victoria	Cuba	Caldas
Calarcá	El Jardín	Quindío
Santa Rosa de Cabal	Santa Helena	Risaralda
Belén de Umbría	Vista Hermosa	Risaralda
Pueblo Rico	La Zulia	Risaralda
Casabianca	La Danta	Tolima

Las coordenadas geográficas de algunos sitios se corrigieron por uso de nueva cartografía, pero corresponden a las mismas estaciones consignadas en el Anuario Meteorológico 1988.

LOCALIZACION DE LA RED METEOROLOGICA

Departamento Municipio	Estación	Latitud Norte	Longitud Oeste	Altura msnm	Cuenca hidrog.
ZONA NORTE					
REGION DE LA SIERRA NEVADA					
CESAR					
Pueblo Bello		10°22'	73°38'	1.000	Cesar
CUENCA DEL LAGO MARACAIBO					
NORTE DE SANTANDER					
Salazar	Francisco Romero	7°46'	72°48'	1.000	Zulia
Chinácota	Blonay	7°35'	72°36'	1.235	Zulia
ZONA CENTRAL NORTE					
VERTIENTE OCCIDENTAL CORDILLERA ORIENTAL					
SANTANDER					
Rionegro	El Silencio	7°24'	73°13'	1.120	Cáchira Sur
Rionegro	La Reserva	7°22'	73°08'	1.200	Negro
Rionegro	La Siberia	7°20'	73°07'	1.240	Santa Cruz
Rionegro	Palestina	7°19'	73°07'	1.350	Santa Cruz
Rionegro	Los Cocos	7°14'	73°07'	1.300	Negro
Rionegro	Cocal	7°16'	73°09'	700	Negro
Bucaramanga	Ceylán	7°09'	73°08'	1.300	Oro
Girón	Bonanza	7°05'	73°17'	1.250	Sogamoso
Floridablanca	Miporal	7°04'	73°06'	1.200	Frío
Floridablanca	La Loma	7°04'	73°04'	1.400	Frío
San Vicente	Aguas Blancas	6°50'	73°29'	1.000	Chucurí
San Vicente	Casa de Teja	6°55'	73°27'	960	Chucurí
Hato	Chochos	6°33'	73°19'	1.400	Suárez
Pinchote	Las Flores	6°29'	73°11'	1.700	Suárez
Guadalupe	Sevilla	6°15'	73°23'	1.390	Suárez
Charalá	Villanueva	6°14'	73°10'	1.450	Ponce
Suaita	Cielo Roto	6°07'	73°28'	1.540	Suárez
Barbosa	Buenavista	5°59'	73°36'	1.800	Suárez
Barbosa	Cite	5°59'	73°39'	1.600	Suárez
Puente Nal.	La Cumbre	5°53'	73°43'	1.850	Suárez
BOYACA					
Moniquirá	Bertha	5°52'	73°24'	1.700	Suárez

Departamento Municipio	Estación	Latitud Norte	Longitud Oeste	Altura msnm	Cuenca hidrog.
CUNDINAMARCA					
Yacopí	Montelíbano	5°28'	74°22'	1.340	Negro
La Palma	Sec. de Agricultura	5°21'	74°23'	1.250	Negro
El Peñón	Santa Rosita	5°17'	74°17'	1.430	Negro
Caparrapí	El Paraíso	5°19'	74°29'	1.450	Negro
Vergara	La Florida	5°03'	74°16'	1.400	Negro
Guaduas	Sec. de Agricultura	5°04'	74°36'	1.060	Negro
Sasaima	El Triángulo	4°58'	74°26'	1.500	Negro
Sasaima	Icalí	4°57'	74°25'	1.300	Negro
Sasaima	Santa Bárbara	4°56'	74°25'	1.450	Negro
San Juan de Rioseco	San Juan	4°51'	74°40'	1.300	Magdalena
VERTIENTE DE LOS LLANOS					
META					
Acacías	Maringá	4°00'	74°46'	540	Acacías
VERTIENTE ORIENTAL CORDILLERA CENTRAL					
CALDAS					
Marquetalia	Santa Helena	5°18'	75°09'	1.450	Guarinó
Victoria	La Pastorita	5°19'	75°01'	1.100	La Miel
Manzanares	Llanadas	5°13'	75°11'	1.420	Guarinó
Victoria	Cuba	5°19'	74°56'	1.050	La Miel
Victoria	La Corneta	5°23'	74°53'	800	La Miel
Victoria	El Tambor	5°22'	74°56'	850	La Miel
TOLIMA					
Mariquita	La Mesa	5°11'	74°53'	1.200	Magdalena
Fálan	Palocabildo	5°08'	74°53'	1.500	Gualí
Casabianca	La Danta	5°06'	75°06'	1.700	Gualí
Murillo	El Inciensal	4°53'	75°08'	2.400	Lagunilla
Fresno	La Cimarrona	5°10'	75°00'	1.400	Gualí
Líbano	La Trinidad	4°55'	75°04'	1.430	Recio
Líbano	El Edén	4°57'	75°01'	1.350	Recio
Lérida	Planes	4°51'	74°59'	1.200	Recio
Santa Isabél	Guadualito	4°41'	75°05'	1.620	Gualí
Anzoátegui	Janiyof	4°37'	75°12'	1.700	La China
Alvarado	Totarito	4°34'	74°52'	1.250	Alvarado

Departamento	Municipio	Estación	Latitud Norte	Longitud Oeste	Altura msnm	Cuenca hidrog.
		VERTIENTE OCCIDENTAL CORDILLERA CENTRAL				
ANTIOQUIA						
	Venecia	El Rosario	5°56'	75°43'	1.600	Cauca
	Fredonia	Bariloche	5°56'	75°37'	1.700	Cauca
CALDAS						
	Aguadas	Guaymaral	5°38'	75°28'	1.600	Cauca
	Aguadas	Cuatroesquinas	5°36'	75°30'	1.900	Arma
	La Merced	El Contento	5°24'	75°33'	1.800	Cauca
	Filadelfia	San Isidro	5°14'	75°34'	1.600	La Honda
	Manizales	Agronomía	5°03'	75°29'	2.150	Chinchiná
	Manizales	Tesorito	5°02'	75°27'	1.200	Chinchiná
	Manizales	La Selva	5°07'	75°36'	1.350	Chinchiná
	Manizales	Santa Teresita	5°05'	75°34'	1.200	Chinchiná
	Manizales	Java	5°02'	75°33'	1.780	Chinchiná
	Palestina	Santágueda-Fac. Agronom.	5°05'	75°40'	1.010	Chinchiná
	Palestina	Luker	5°05'	75°41'	1.020	Chinchiná
	Palestina	Santa Ana	5°01'	75°40'	1.250	Chinchiná
	Palestina	Providencia	5°01'	75°42'	1.250	Chinchiná
	Palestina	El Recreo	5°02'	75°39'	1.450	Chinchiná
	Palestina	La Palma	5°01'	75°42'	1.200	Chinchiná
	Palestina	La Argentina	5°01'	75°41'		Chinchiná
	Chinchiná	Cenicafé	4°59'	75°35'	1.310	Chinchiná
	Chinchiná	La Sierra	4°59'	75°38'	1.450	Campoalegre
	Chinchiná	Naranjal	4°58'	75°42'	1.370	Campoalegre
	Chinchiná	La Romelia	4°56'	75°42'	1.400	Campoalegre
RISARALDA						
	Marsella	La Palmera	5°00'	75°45'	1.450	Campoalegre
	Marsella	La Morenita	4°54'	75°46'	1.440	Campoalegre
	Sta. Rosa de Cabal	El Jazmín	4°55'	75°38'	1.600	Campoalegre
	Sta. Rosa de Cabal	El Castillo	4°56'	75°40'	1.550	San Eugenio
	Sta. Rosa de Cabal	Santa Helena	4°57'	75°37'		Campoalegre
	Sta. Rosa de Cabal	La Teresita	4°57'	75°37'		San Eugenio
	Sta. Rosa de Cabal	Las Araucarias	4°52'	75°33'	1.700	San Eugenio
	Dosquebradas	El Bosque	4°50'	75°41'	1.450	San Eugenio
	Pereira	Planta de Tratamiento	4°48'	75°40'	1.450	Otún
	Pereira	El Cedral	4°47'	75°32'	2.120	Otún
	Pereira	Hiroshima	4°46'	75°44'	1.320	Consota
	Pereira	Combia	4°50'	75°47'	1.300	Consota
	Pereira	La Playa	4°45'	75°44'	1.350	Consota
	Pereira	La Catalina	4°47'	76°41'	1.350	Barbas
	Pereira	La Abuelita	4°44'	75°47'	1.250	Cestillal
	Pereira	La Renta	4°47'	75°42'	1.250	Consota

Departamento	Municipio	Estación	Latitud Norte	Longitud Oeste	Altura msnm	Cuenca hidrog.
VERTIENTE ORIENTAL CORDILLERA OCCIDENTAL						
ANTIOQUIA						
	Jardín	Miguel Valencia	5°32'	75°51'	1-570	Cauca
CALDAS						
	Marmato	El Descanso	5°29'	75°38'	1.650	Cauca
	Supía	Rafael Escobar	5°28'	75°39'	1.320	Cauca
	Riosucio	La Manuelita	5°22'	75°41'	1.400	Cauca
	Riosucio	La Argentina	5°28'	75°42'	1.420	Cauca
	Belalcázar	El Diamante	4°55'	75°50'	1.200	Risaralda
RISARALDA						
	Pueblo Rico	La Zulia	5°13'	75°59'	1.480	Tatamá
	Quinchía	La Oriental	5°22'	75°43'	1.620	Quinchía
	Quinchía	El Diamante	5°19'	75°42'	1.440	Quinchía
	Guática	Buenos Aires	5°21'	75°48'	1.830	Risaralda
	Guática	Ospirma	5°20'	75°49'	1.680	Risaralda
	Mistrató	El Barranco	5°21'	76°50'	1.580	Risaralda
	Balboa	La Tribuna	4°57'	75°57'	1.500	Risaralda
	Belén de Umbría	Vista Hermosa	5°15'	75°54'	1.850	Risaralda
	Belén de Umbría	La Delfita	5°12'	75°52'	1.520	Risaralda
	Belén de Umbría	Los Cámbulos	5°09'	75°51'	1.400	Risaralda
	La Virginia	San Francisco	4°54'	75°54'	1.000	Risaralda
ZONA CENTRAL SUR						
VERTIENTE OCCIDENTAL CORDILLERA ORIENTAL						
CUNDINAMARCA						
	Cachipay	Mesitas de S.I.	4°40'	74°28'	1.250	Apulo
	La Mesa	El Refugio	4°39'	74°28'	1.250	Bogotá
	La Mesa	Guadalupe	4°38'	74°28'	1.340	Bogotá
	Mesitas del Colegio	Misiones	4°34'	74°18'	1.540	Bogotá
	Mesitas del Colegio	El Porvenir	4°33'	74°19'	1.350	Bogotá
	Mesitas del Colegio	Las Granjas	4°28'	74°28'	1.400	Bogotá
	Tibacuy	La Granja	4°21'	74°25'	1.550	Fusagasugá
	Silvania	Pinar del Río	4°22'	74°21'	1.750	Fusagasugá
TOLIMA						
	Melgar	La Granja	4°09'	74°40'	1.200	Magdalena
	Villarrica	Luis Bustamante	3°56'	74°36'	1.610	Magdalena
	Natagaima	Montefrío	3°32'	75°20'	1.500	Magdalena
	Dolores	La Montaña	3°33'	74°54'	1.260	Magdalena
	Dolores	El Ocaso	3°32'	74°53'	1.000	Magdalena

Departamento	Municipio	Estación	Latitud Norte	Longitud Oeste	Altura msnm	Cuenca hidrog.
HUILA						
	Tello	Sucre	3°04'	75°09'	1.450	Magdalena
		VERTIENTE ORIENTAL CORDILLERA CENTRAL				
TOLIMA						
	Ibagué	La Primavera	4°25'	75°15'	1.300	Combeima
	Valle San Juan	Orisol	4°10'	75°07'	1.500	Luisa
	San Antonio	La Meseta	3°55'	75°07'	1.600	Tetuán
	Ortega	San Alfonso	3°54'	75°23'	1.680	Peralonso
	Chaparral	Limón	3°43'	75°38'	990	Saldaña
	Chaparral	Poco a Poco	3°44'	75°12'	1.340	Saldaña
	Planadas	Los Andes	3°13'	75°40'	1.500	Magdalena
HUILA						
	Teruel	Corrales	2°43'	75°33'	1.450	Magdalena
		VERTIENTE OCCIDENTAL CORDILLERA CENTRAL				
QUINDIO						
	Circasia	La Ilusión	4°36'	75°39'	1.500	Barbas
	Circasia	Bremen	4°40'	75°37'	2.040	Barbas
	Filandia	La Esperanza	4°38'	75°42'	1.700	
	Quimbaya	Vivero	4°37'	75°46'	1.400	La Vieja
	Quimbaya	Maracay	4°36'	75°46'	1.450	La Vieja
	Quimbaya	El Rocío	4°34'	75°46'		La Vieja
	Montenegro	El Agrado	4°28'	75°49'	1.350	La Vieja
	Montenegro	Sorrento	4°32'	75°51'	1.290	La Vieja
	Montenegro	La Julia	4°32'	75°50'	1.320	La Vieja
	Armenia	El Sena	4°32'	75°40'	1.550	Quindío
	Armenia	Tucumán	4°32'	75°44'	1.250	Quindío
	Calarcá	El Jardín	4°27'	75°42'	1.300	Quindío
	Calarcá	La Bella	4°31'	75°40'	1.450	Quindío
	Calarcá	Quebradanegra	4°31'	75°38'	1.500	Quindío
	Calarcá	El Paraíso	4°30'	75°42'	1.400	Quindío
	Armenia	La Pradera	4°28'	75°43'	1.350	Quindío
	Tebaida	La Argentina	4°26'	75°46'	1.200	La Vieja
	Tebaida	La Miranda	4°26'	75°50'	1.220	La Vieja
	Córdoba	Mónaco	4°24'	75°40'	1.300	Rioverde
	Buenavista	Paraguaicito	4°23'	75°44'	1.250	Rioverde
	Buenavista	La Esperanza	4°21'	75°45'	1.400	Rioverde
	Pijao	El Porvenir	4°19'	75°45'	1.540	Río Lejos
	Génova	Villa Horizaba	4°12'	75°44'	1.540	Barragán

Departamento Municipio	Estación	Latitud Norte	Longitud Oeste	Altura msnm	Cuenca hidrog.
VALLE					
Cartago	El Berrión	4°40'	75°51'	1.150	La Vieja
Ulloa	El Recreo	4°42'	75°44'	1.410	Barbas
Alcalá	Arturo Gómez	4°40'	75°48'	1.320	La Vieja
Caicedonia	Venecia	4°20'	75°55'	1.170	Barragán
Sevilla	Heraclio Uribe	4°16'	75°55'	1.540	La Vieja
Sevilla	La Sirena	4°17'	75°55'	1.500	La Vieja
Ginebra	La Selva	3°40'	76°18'	1.800	Cauca
Palmira	Campanella	3°33'	76°18'	1.550	Cauca
CAUCA					
Santander	Instituto Técnico	3°01'	76°29'	1.110	Cauca

VERTIENTE ORIENTAL CORDILLERA OCCIDENTAL

VALLE					
El Aguila	Santa Marta	4°54'	76°03'	1.760	Cauca
Ansemanuevo	El Placer	4°49'	76°01'	1.730	Cauca
Ansermanuevo	Bellavista	4°48'	76°04'	1.550	Cauca
El Cairo	Subestación Albán	4°46'	76°13'	1.500	Garrapatas
Argelia	Santiago Gutiérrez	4°43'	76°10'	1.550	Cauca
Bolívar	Cider	4°21'	76°16'	1.480	Cauca
Trujillo	Manuel Mallarino	4°10'	76°21'	1.380	Cauca
Restrepo	Julio Fernández	3°49'	76°31'	1.360	Calima

ZONA SUR

VERTIENTE OCCIDENTAL CORDILLERA ORIENTAL

HUILA					
Algeciras	Guayabal	2°31'	75°17'	1.460	Neiva
Gigante	Jorge Villamil	2°22'	75°33'	1.500	Magdalena
Gigante	La Primavera	2°15'	75°30'	1.400	Magdalena
Garzón	Villa Consuelo	2°11'	75°39'	1.450	Magdalena
Timaná	Conc. Desarrollo	1°59'	75°56'	1.080	Magdalena

Departamento	Municipio	Estación	Latitud Norte	Longitud Oeste	Altura msnm	Cuenca hidrog.
		VERTIENTE OCCIDENTAL CORDILLERA CENTRAL				
CAUCA						
	Piendamó	La Trinidad	2°41'	76°32'	1.600	Cauca
	Timbío	La Campiña	2°20'	76°39'	1.850	Cauca
	Tambo	Manuel Mejía	2°24'	76°43'	1.700	Cauca
	Rosas	Portachuelo	2°15'	76°43'	1.750	Cauca
		CUENCA DEL RIO PATIA				
NARIÑO						
	La Unión	La Unión	1°37'	77°09'	1.800	Patía
	Consacá	Ospina Pérez	1°16'	77°29'	1.700	Guaitara

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ESTACION: EL ROSARIO **MUNICIPIO:** VENECIA **AÑO:** 1.989

ALTITUD: 1.600 **LATITUD:** 5-56 N. **LONGITUD:** 75-43 W.

M E S – ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	21.4	18.1	88.6	18.67	16.4	0.9	0.0	0.9	0.1
2	16.1	21.5	18.3	81.2	16.95	14.9	0.0	5.0	5.0	0.5
3	16.0	24.8	19.1	84.2	18.30	16.1	0.0	1.1	1.1	6.1
4	16.5	24.3	19.0	87.2	19.28	16.9	10.7	18.2	28.9	4.8
5	14.5	23.5	18.7	81.5	17.08	15.0	0.0	0.6	0.6	5.2
6	16.0	23.6	19.7	83.0	18.68	16.4	1.9	0.0	1.9	5.3
7	16.5	22.0	18.2	84.2	17.43	15.3	5.7	0.0	5.7	3.3
8	15.5	25.6	20.2	74.5	17.25	15.2	0.0	0.0	0.0	9.0
9	15.4	25.2	19.5	75.2	16.85	14.8	2.2	0.0	2.2	6.8
10	15.8	19.8	17.5	81.1	16.08	14.1	0.1	0.0	0.1	0.2
11	16.0	22.5	18.6	78.3	16.88	14.8	0.3	0.0	0.3	3.7
12	15.8	24.0	18.9	73.7	15.84	13.9	0.0	3.1	3.1	5.2
13	15.5	22.4	19.2	81.8	17.93	15.8	0.0	1.6	1.6	1.2
14	15.7	25.0	20.1	80.2	18.41	16.2	0.0	0.0	0.0	5.6
15	16.5	23.8	20.4	75.8	18.06	15.9	0.0	0.0	0.0	5.3
16	16.2	25.5	21.3	71.8	17.65	15.6	0.0	0.0	0.0	6.7
17	17.0	25.0	20.4	80.0	18.91	16.6	0.0	11.4	11.4	6.0
18	16.5	25.5	20.7	74.0	17.66	15.5	1.8	0.0	1.8	6.3
19	17.5	24.8	20.6	78.5	18.91	16.6	2.4	0.3	2.7	3.4
20	17.0	25.0	20.5	75.9	18.04	15.9	1.7	0.0	1.7	4.6
21	17.3	25.5	21.1	77.6	19.19	16.8	0.5	0.1	0.6	4.2
22	16.4	24.2	20.1	80.4	18.75	16.5	2.2	0.1	2.3	2.7
23	16.5	26.8	21.5	70.6	17.75	15.6	0.0	0.0	0.0	10.1
24	17.8	24.2	20.6	82.2	20.03	17.5	0.3	0.0	0.3	3.5
25	17.5	24.0	20.8	76.2	18.66	16.4	0.0	1.5	1.5	2.2
26	17.0	24.4	19.5	81.7	18.78	16.5	5.7	0.0	5.7	2.9
27	17.2	23.4	19.6	85.1	19.32	16.9	0.0	0.2	0.2	1.7
28	16.0	20.2	18.3	87.1	18.26	16.1	19.8	0.0	19.8	0.7
29	16.3	26.0	19.6	78.0	17.65	15.5	9.1	0.0	9.1	6.4
30	16.2	21.5	19.2	83.0	18.20	16.0	0.0	0.0	0.0	0.1
31	16.5	24.3	19.2	83.3	18.40	16.2	1.1	23.6	24.7	1.8
PROM.	16.3	23.9	19.6	79.9	18.06	15.9	66.4	66.8	133.2	125.6

M E S – FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	22.5	19.1	89.3	19.42	17.0	0.0	1.4	1.4	1.8
2	16.5	24.4	20.5	74.8	17.63	15.5	0.0	1.9	1.9	6.8
3	16.2	18.0	16.8	89.7	17.20	15.1	0.4	1.1	1.5	0.0
4	14.5	20.4	17.6	80.9	16.08	14.0	0.2	11.3	11.5	0.3
5	15.0	23.5	18.8	73.7	15.87	13.8	1.7	0.0	1.7	5.0
6	16.4	25.3	20.6	70.5	16.59	14.6	1.7	0.0	1.7	6.5
7	16.5	24.5	20.0	76.4	17.71	15.6	0.0	0.0	0.0	2.1
8	17.0	25.0	20.6	74.1	17.59	15.5	0.0	0.0	0.0	3.5
9	16.5	25.2	21.0	71.0	17.09	15.0	0.0	0.5	0.5	6.8
10	16.4	22.5	18.2	88.5	18.56	16.3	1.2	11.0	12.2	1.5
11	15.5	22.0	17.7	83.3	16.92	14.9	2.3	2.4	4.7	0.1
12	16.0	24.4	19.5	81.5	18.08	15.9	0.6	0.1	0.7	5.3
13	16.2	22.6	18.5	85.2	18.03	15.9	2.5	0.0	2.5	2.0
14	15.5	25.8	20.4	70.2	16.24	14.2	0.0	0.0	0.0	8.3
15	15.0	25.7	20.5	65.5	15.40	13.4	0.0	0.0	0.0	10.6
16	14.0	26.3	20.2	66.9	15.26	13.3	0.0	0.0	0.0	10.9
17	15.8	25.2	20.1	69.9	16.20	14.2	0.0	0.0	0.0	7.9
18	15.5	27.0	21.1	66.7	16.19	14.1	0.0	0.0	0.0	10.6
19	16.5	26.5	21.3	70.0	17.53	15.4	0.5	0.0	0.5	8.3
20	17.4	26.4	20.9	75.2	18.45	16.2	0.0	0.6	0.6	7.3
21	16.5	24.0	19.4	81.3	18.19	16.0	8.4	0.0	8.4	4.7
22	17.0	21.8	18.6	88.3	18.85	16.5	4.2	0.0	4.2	0.5
23	16.6	20.5	18.2	85.0	17.78	15.6	0.8	0.0	0.8	0.6
24	15.8	25.5	20.1	64.7	15.08	13.1	0.0	0.0	0.0	4.7
25	16.7	26.5	19.5	79.5	18.01	15.6	14.9	0.4	15.3	5.9
26	16.5	22.0	19.4	83.6	18.76	16.5	1.5	0.0	1.5	0.5
27	16.4	27.0	22.3	69.8	17.85	15.6	0.0	0.0	0.0	7.6
28	17.8	27.2	22.8	62.1	16.66	14.6	0.0	0.0	0.0	6.5
PROM	16.1	24.2	19.8	76.3	17.26	15.1	40.9	30.7	71.6	134.6

ESTACION: EL ROSARIO MUNICIPIO: VENECIA AÑO: 1.989

ALTITUD: 1.600 LATITUD: 5-56 N. LONGITUD: 75-43 W.

M E S – MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.5	28.2	23.3	64.6	17.83	15.6	0.0	0.0	0.0	7.8
2	17.7	27.5	22.6	68.1	17.75	15.6	0.0	0.0	0.0	7.0
3	17.8	26.4	21.0	79.2	19.63	17.2	0.3	0.0	0.3	5.5
4	17.0	24.4	21.1	80.5	19.84	17.4	0.0	4.7	4.7	0.4
5	15.0	18.6	16.4	81.6	15.68	13.6	0.3	0.0	0.3	0.0
6	15.6	27.0	20.4	69.5	16.47	14.4	0.0	10.6	10.6	7.2
7	15.8	23.0	18.9	79.4	17.01	14.9	0.6	0.0	0.6	1.5
8	17.0	24.5	19.3	80.6	18.10	15.9	0.0	0.0	0.0	1.8
9	16.5	26.4	20.8	69.7	16.87	14.8	0.0	0.0	0.0	7.3
10	17.2	26.0	21.2	70.8	17.45	15.4	0.0	0.2	0.2	8.6
11	16.8	25.8	20.0	75.8	17.59	15.5	1.0	0.0	1.0	5.2
12	15.5	26.6	20.1	72.5	16.46	14.5	0.0	0.0	0.0	3.6
13	16.0	26.8	19.7	75.0	17.42	15.3	30.2	0.4	30.6	6.9
14	15.8	22.5	18.7	75.8	16.28	14.3	1.5	1.3	2.8	2.0
15	15.5	24.8	17.6	77.9	16.16	14.2	8.4	2.7	11.1	2.5
16	16.0	22.8	19.7	79.7	18.02	15.9	0.0	0.6	0.6	1.1
17	16.4	26.7	20.6	70.1	16.71	14.7	0.0	0.0	0.0	5.7
18	16.0	26.0	20.8	68.0	16.52	14.5	0.0	0.0	0.0	8.0
19	17.0	26.2	20.7	71.9	17.23	15.1	0.0	3.3	3.3	5.4
20	15.8	22.5	19.1	79.8	17.23	15.2	0.0	0.0	0.0	1.9
21	16.5	26.4	18.3	81.2	17.33	15.3	20.2	23.7	43.9	6.2
22	16.2	25.5	19.4	74.7	17.06	14.9	0.0	4.9	4.9	5.6
23	15.7	26.5	19.7	73.2	16.82	14.8	9.3	10.5	19.8	7.3
24	15.0	22.5	19.6	75.3	16.47	14.5	0.0	0.0	0.0	2.3
25	16.4	26.6	21.7	58.2	14.78	12.8	0.0	0.0	0.0	10.5
26	16.7	23.1	19.1	77.6	17.49	15.4	4.2	0.0	4.2	2.9
27	15.3	25.2	18.8	71.6	15.20	13.2	0.0	7.1	7.1	3.9
28	15.5	21.5	18.0	82.5	17.08	14.9	0.3	0.0	0.3	1.4
29	15.0	26.5	20.0	64.1	14.12	12.0	0.0	0.0	0.0	7.0
30	15.6	26.8	20.1	71.1	16.17	14.2	0.0	0.0	0.0	7.8
31	16.4	24.8	20.2	75.1	17.36	15.3	0.0	1.7	1.7	4.1
PROM.	16.2	25.1	19.9	74.0	16.97	14.9	76.3	71.7	148.0	148.4

M E S – ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.6	25.4	19.9	74.3	16.68	14.7	0.0	0.0	0.0	5.0
2	16.5	26.4	21.0	67.6	16.63	14.6	0.0	0.0	0.0	5.7
3	16.8	27.2	21.6	67.2	17.31	15.2	14.4	0.3	14.7	9.3
4	17.0	26.7	21.7	73.1	18.56	16.3	0.0	0.0	0.0	7.6
5	17.5	23.8	20.4	80.1	19.16	16.8	0.0	0.0	0.0	2.7
6	16.4	27.5	22.7	66.3	17.60	15.5	0.0	0.0	0.0	10.1
7	17.0	28.3	22.9	64.7	17.70	15.5	0.3	0.0	0.3	9.5
8	17.5	27.2	22.2	64.5	16.70	14.6	0.0	0.0	0.0	6.2
9	18.0	25.8	21.8	73.7	19.34	17.0	0.0	1.4	1.4	
10	16.8	24.5	20.3	76.4	17.95	15.8	0.4	0.0	0.4	
11	16.5	28.2	22.6	66.5	17.60	15.5	0.0	0.0	0.0	
12	18.5	24.2	21.2	76.0	18.90	16.6	0.0	0.2	0.2	0.2
13	18.0	27.5	22.1	72.4	18.83	16.6	0.0	0.0	0.0	6.4
14	17.4	26.5	20.1	78.7	18.65	16.4	20.3	0.0	20.3	3.4
15	17.5	23.5	19.4	79.5	18.15	15.9	0.0	0.0	0.0	2.0
16	16.5	27.0	22.3	73.4	19.25	16.9	0.0	0.0	0.0	9.8
17	17.0	28.8	22.9	66.5	17.74	15.6	0.0	0.0	0.0	8.9
18	17.4	28.5	23.0	67.0	18.62	16.4	0.0	0.0	0.0	10.5
19	17.5	28.0	21.5	75.1	19.37	17.0	2.5	17.9	20.4	8.9
20	16.5	24.2	20.2	76.7	17.76	15.6	0.0	0.0	0.0	2.7
21	17.0	27.2	22.2	70.4	18.27	16.1	0.0	4.3	4.3	7.4
22	17.5	26.0	21.5	78.7	19.78	17.3	0.0	0.4	0.4	6.3
23	17.0	26.2	21.4	74.8	18.56	16.3	0.3	1.0	1.3	6.3
24	17.5	25.6	20.8	80.1	19.56	17.2	4.9	1.8	6.7	4.5
25	17.0	26.0	21.9	67.6	17.57	15.5	0.0	0.0	0.0	9.1
26	18.0	25.0	18.8	84.2	19.11	16.7	17.7	4.4	22.1	4.1
27	15.5	26.0	21.1	74.4	18.08	15.9	0.0	17.9	17.9	7.1
28	15.6	25.7	21.0	77.3	18.46	16.2	0.0	4.2	4.2	8.6
29	17.5	24.0	20.8	81.7	19.95	17.5	7.4	16.0	23.4	4.4
30	16.5	26.3	19.5	84.2	19.09	16.8	4.0	6.8	10.8	6.0
PROM	17.0	26.2	21.3	73.8	18.36	16.1	72.2	76.6	148.8	

ESTACION: EL ROSARIO MUNICIPIO: VENECIA AÑO: 1.989

ALTITUD: 1.600 LATITUD: 5-56 N. LONGITUD: 75-43 W.

M E S - MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	23.2	18.3	89.9	19.61	17.1	27.2	9.2	36.4	3.7
2	14.5	24.0	19.7	75.8	17.22	15.2	0.0	8.6	8.6	5.1
3	16.0	25.5	19.8	77.4	17.69	15.5	6.5	0.0	6.5	6.6
4	16.5	26.3	20.2	70.7	17.17	15.1	1.2	0.0	1.2	7.5
5	16.6	26.2	20.5	74.9	18.11	15.9	0.0	11.8	11.8	5.8
6	16.0	23.2	19.1	87.7	19.20	16.9	4.8	0.3	5.1	1.8
7	17.0	24.2	18.3	84.8	18.44	16.2	3.0	21.9	24.9	1.9
8	14.5	23.5	18.9	83.0	17.79	15.6	0.4	22.8	23.2	3.1
9	15.5	23.2	19.4	84.8	18.70	16.4	0.0	0.0	0.0	2.5
10	16.4	21.5	18.6	91.6	19.55	17.1	0.0	0.3	0.3	1.2
11	16.5	25.5	21.3	79.8	19.75	17.3	0.0	24.4	24.4	6.6
12	15.5	24.5	19.6	81.4	18.74	16.5	20.7	11.3	32.0	6.4
13	15.6	21.6	18.9	87.0	18.85	16.6	0.0	0.2	0.2	1.9
14	16.5	25.0	19.3	83.9	19.07	16.7	19.8	3.9	23.7	3.6
15	16.0	25.2	20.5	81.6	19.12	16.8	0.0	6.4	6.4	4.3
16	16.5	27.0	22.6	67.7	17.85	15.7	0.0	0.0	0.0	10.4
17	18.4	27.4	23.1	65.8	18.16	16.0	0.0	0.0	0.0	7.9
18	18.0	26.0	22.0	70.4	18.47	16.3	0.0	0.0	0.0	1.0
19	18.1	26.1	20.8	81.1	20.09	17.6	2.2	0.2	2.4	3.6
20	17.2	27.5	23.0	62.2	17.31	15.1	0.0	0.0	0.0	9.6
21	17.5	25.8	22.9	61.8	17.18	15.1	0.0	0.0	0.0	6.0
22	18.0	27.6	23.2	62.9	17.99	15.8	0.0	2.5	2.5	9.8
23	17.0	25.5	20.8	77.7	19.18	16.8	0.3	6.7	7.0	3.5
24	16.0	25.0	18.6	90.1	19.67	17.2	2.9	18.8	21.7	2.6
25	15.5	22.3	18.1	76.5	15.82	13.8	4.2	0.7	4.9	3.4
26	16.0	22.0	19.3	82.3	18.27	16.0	0.0	0.0	0.0	0.4
27	16.6	24.3	20.5	79.7	19.30	16.9	0.0	16.0	16.0	5.3
28	14.3	23.4	19.3	77.2	17.52	15.4	0.1	0.5	0.6	5.3
29	16.5	25.6	20.6	78.7	18.79	16.5	0.0	0.0	0.0	5.1
30	17.0	26.7	22.5	70.5	18.70	16.4	0.0	0.0	0.0	9.5
31	18.5	25.4	21.2	79.9	19.97	17.5	0.0	0.0	0.0	4.7
PROM.	16.5	24.8	20.4	78.0	18.49	16.2	93.3	166.5	259.8	150.1

M E S - JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.8	25.2	21.8	74.0	19.40	17.0	0.0	92.3	92.3	2.3
2	15.4	23.6	18.9	88.7	19.32	16.9	0.0	35.9	35.9	2.1
3	16.5	18.4	17.5	89.6	17.85	15.7	21.5	0.0	21.5	0.0
4	16.0	25.0	19.1	78.8	17.46	15.3	0.0	0.0	0.0	5.4
5	17.0	24.6	19.3	82.0	18.92	16.6	18.6	0.0	18.6	5.6
6	16.5	24.0	18.8	83.3	18.33	16.1	0.0	22.7	22.7	4.9
7	15.5	24.3	19.5	83.0	18.52	16.3	0.0	0.0	0.0	5.1
8	16.5	26.3	21.5	78.6	19.76	17.3	0.0	8.1	8.1	9.2
9	16.0	25.0	20.8	80.2	19.40	16.9	0.0	1.5	1.5	7.2
10	16.5	26.0	21.6	71.0	18.33	16.1	0.0	22.3	22.3	10.3
11	16.4	26.3	20.0	82.4	19.68	17.2	14.8	5.1	19.9	8.4
12	16.5	24.4	18.8	82.5	18.22	16.0	5.0	12.7	17.7	5.0
13	16.0	24.0	20.0	76.9	17.77	15.6	0.0	3.2	3.2	7.0
14	16.5	25.5	20.1	78.8	18.50	16.3	1.0	0.0	1.0	4.9
15	16.9	26.0	21.2	75.8	19.05	16.7	4.6	0.0	4.6	8.2
16	17.0	26.5	22.0	65.1	16.78	14.7	0.0	0.0	0.0	9.0
17	17.8	25.7	21.5	71.4	18.55	16.3	0.0	0.0	0.0	8.4
18	17.5	25.2	19.4	81.3	18.79	16.5	4.3	11.3	15.6	6.8
19	15.6	24.2	20.0	82.9	19.46	17.0	0.0	47.1	47.1	4.4
20	16.4	25.2	18.7	81.4	18.02	15.8	19.2	0.0	19.2	6.3
21	16.5	24.6	17.8	81.6	17.17	15.1	6.1	89.0	95.1	6.3
22	15.8	23.6	19.1	83.3	18.18	16.0	0.0	0.2	0.2	3.8
23	15.5	19.4	17.3	86.3	16.86	14.8	3.8	0.0	3.8	0.1
24	15.4	23.2	18.9	87.3	18.96	16.7	0.9	30.8	31.7	3.3
25	15.0	22.2	18.5	87.8	18.31	16.1	1.0	0.0	1.0	4.0
26	15.6	25.0	21.1	74.3	18.40	16.2	0.0	0.0	0.0	10.9
27	16.0	24.5	19.4	81.3	18.04	15.9	0.0	64.3	64.3	4.9
28	15.0	24.0	19.7	77.6	17.59	15.5	0.0	0.0	0.0	7.9
29	17.0	26.0	21.2	72.7	18.12	16.0	0.0	1.2	1.2	10.6
30	15.5	25.8	20.4	80.2	18.96	16.6	0.2	0.0	0.2	8.2
PROM	16.3	24.5	19.8	80.0	18.42	16.2	101.0	447.7	548.7	180.5

ESTACION: EL ROSARIO MUNICIPIO: VENECIA AÑO: 1.989

ALTITUD: 1.600 LATITUD: 5-56 N. LONGITUD: 75-43 W.

M E S – JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.5	24.2	19.4	74.2	16.72	14.7	0.0	0.0	0.0	6.8
2	16.4	26.6	20.0	78.1	17.77	15.7	1.1	0.0	1.1	6.0
3	16.5	25.8	21.5	59.4	14.94	12.7	0.0	0.0	0.0	8.1
4	16.0	25.5	21.3	71.0	17.55	15.4	0.0	0.3	0.3	9.8
5	17.0	24.5	20.5	81.5	19.39	17.0	0.0	0.2	0.2	7.3
6	15.0	26.0	20.9	68.8	16.63	14.6	0.0	0.0	0.0	11.2
7	16.5	25.5	19.3	73.9	16.86	14.8	43.1	0.0	43.1	5.9
8	15.8	23.4	19.6	82.1	18.36	16.2	0.0	0.0	0.0	3.6
9	16.0	23.5	19.7	80.6	18.19	16.0	3.8	3.3	7.1	4.2
10	14.0	24.7	20.6	70.3	16.56	14.5	0.0	0.0	0.0	7.7
11	16.5	25.2	21.2	65.7	16.30	14.3	0.0	0.0	0.0	8.2
12	17.0	27.2	22.3	59.8	15.87	13.7	0.0	0.0	0.0	11.1
13	17.5	27.8	22.7	60.1	16.22	14.1	0.0	0.0	0.0	11.0
14	17.8	28.2	22.5	60.2	16.37	14.1	0.0	0.0	0.0	8.2
15	18.0	28.1	23.4	51.6	14.90	12.8	0.0	0.0	0.0	11.4
16	17.9	25.8	22.0	65.0	17.21	15.1	0.0	0.0	0.0	3.9
17	17.5	27.5	22.7	59.2	16.21	14.2	0.0	0.0	0.0	8.5
18	17.3	28.2	23.2	59.7	16.53	14.4	0.0	0.0	0.0	9.3
19	17.8	26.3	22.3	71.5	19.31	16.9	0.0	5.3	5.3	6.7
20	15.0	24.0	19.6	81.0	18.27	16.1	0.0	0.4	0.4	5.8
21	16.6	24.2	19.9	80.7	18.44	16.2	0.0	4.4	4.4	5.2
22	16.5	22.5	18.7	87.7	18.89	16.6	1.6	0.8	2.4	2.1
23	16.0	25.0	19.5	85.1	19.11	16.7	0.4	1.3	1.7	5.0
24	16.6	23.2	19.1	86.4	19.06	16.8	9.3	0.0	9.3	1.2
25	16.5	23.5	19.6	80.6	18.22	16.1	13.5	11.6	25.1	4.8
26	15.5	23.4	18.9	88.1	18.91	16.6	0.3	0.0	0.3	1.6
27	17.0	25.0	20.3	78.8	18.45	16.2	0.0	0.7	0.7	4.6
28	16.4	26.2	20.7	76.8	18.60	16.4	0.0	0.0	0.0	6.2
29	16.8	27.6	20.8	73.5	18.19	16.0	0.0	16.6	16.6	8.1
30	15.5	24.6	20.5	79.4	18.52	16.3	0.0	0.0	0.0	5.5
31	17.5	26.0	21.7	74.2	19.29	16.9	0.3	10.8	11.1	7.8
PROM.	16.5	25.5	20.8	73.1	17.61	15.4	73.4	55.7	129.1	206.8

M E S – AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	25.5	20.1	77.1	17.86	15.7	0.0	0.0	0.0	6.7
2	16.4	26.5	21.3	76.9	19.04	16.7	0.0	0.0	0.0	7.7
3	16.5	26.7	21.6	69.3	17.58	15.5	0.0	2.4	2.4	10.0
4	15.5	24.8	20.5	69.9	16.72	14.7	0.0	0.0	0.0	9.9
5	17.2	26.2	21.9	69.7	17.98	15.8	0.2	58.4	58.6	7.8
6	14.0	23.5	18.3	78.6	16.82	14.8	5.4	0.0	5.4	5.4
7	15.0	26.4	21.3	69.4	17.26	15.2	0.0	0.0	0.0	11.3
8	17.0	27.0	21.6	69.8	17.91	15.8	0.0	3.6	3.6	8.9
9	15.0	26.0	18.6	74.8	16.39	14.4	22.9	2.3	25.2	9.5
10	15.4	24.6	17.6	82.5	16.92	14.8	7.5	2.7	10.2	6.9
11	16.4	24.8	20.6	70.3	16.93	14.9	0.0	0.2	0.2	6.8
12	16.8	26.0	20.0	72.6	17.52	15.4	10.6	0.0	10.6	9.0
13	16.5	25.5	20.4	77.3	18.41	16.2	0.0	0.4	0.4	2.4
14	15.5	25.2	21.0	74.6	18.05	15.9	0.0	0.0	0.0	8.8
15	17.2	25.8	20.9	74.5	18.24	16.0	0.0	0.0	0.0	6.2
16	17.0	24.2	20.5	78.1	18.44	16.2	0.0	27.0	27.0	1.6
17	16.8	25.0	20.7	70.1	16.68	14.7	0.0	0.0	0.0	2.7
18	16.5	27.2	22.6	66.9	18.12	16.0	0.0	0.0	0.0	9.5
19	17.4	26.0	21.7	69.5	17.97	15.8	0.0	3.7	3.7	7.3
20	16.0	25.3	20.6	75.1	17.75	15.6	0.0	25.9	25.9	6.5
21	15.5	25.8	20.6	72.9	17.42	15.3	0.0	2.3	2.3	8.5
22	14.8	26.8	20.9	72.4	17.31	15.2	0.0	0.0	0.0	8.0
23	17.5	23.2	19.7	87.9	20.28	17.7	0.0	5.9	5.9	1.0
24	15.8	25.5	20.4	75.9	18.05	15.9	0.0	0.0	0.0	8.7
25	16.8	26.0	21.1	74.8	18.57	16.4	0.0	13.4	13.4	8.3
26	14.8	25.7	20.4	80.1	18.87	16.6	0.0	21.4	21.4	5.7
27	15.4	25.8	20.4	75.6	17.60	15.4	0.0	30.3	30.3	7.5
28	16.8	25.2	20.6	78.4	19.24	16.9	0.1	19.5	19.6	6.9
29	15.8	23.2	18.6	85.2	18.17	16.0	0.0	27.0	27.0	1.1
30	15.0	22.6	18.5	81.5	17.08	15.0	1.5	0.3	1.8	2.8
31	16.0	23.8	19.1	84.5	18.75	16.5	0.8	0.0	0.8	5.4
PROM	16.1	25.3	20.4	75.4	17.87	15.7	49.0	246.7	295.7	208.8

ESTACION: EL ROSARIO MUNICIPIO: VENECIA AÑO: 1.989

ALTITUD: 1.600 LATITUD: 5-56 N. LONGITUD: 75-43 W.

M E S - SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	25.6	21.4	70.8	17.50	15.3	0.0	0.0	0.0	3.4
2	17.8	26.5	21.1	73.9	18.64	16.4	4.0	0.0	4.0	7.2
3	17.5	25.8	21.5	72.4	18.72	16.4	0.3	20.1	20.4	8.1
4	16.5	24.0	20.2	78.9	18.74	16.4	0.0	0.0	0.0	1.5
5	16.8	24.3	19.2	86.9	19.58	17.2	3.1	4.6	7.7	2.1
6	16.3	22.5	19.1	88.7	19.52	17.1	0.4	12.4	12.8	0.7
7	16.0	24.6	19.6	82.7	18.63	16.4	4.1	1.0	5.1	4.0
8	16.5	25.0	19.1	78.9	17.79	15.6	23.2	47.9	71.1	7.2
9	16.2	24.2	19.6	83.8	19.14	16.8	0.1	11.5	11.6	4.0
10	15.8	24.1	19.5	83.5	18.68	16.4	0.0	0.0	0.0	2.1
11	16.5	23.2	19.5	86.1	19.63	17.2	0.4	73.9	74.3	5.7
12	13.8	24.8	19.0	79.2	17.16	15.1	0.9	19.0	19.9	8.9
13	14.5	24.5	19.5	74.2	16.86	14.8	0.0	21.5	21.5	0.1
14	14.0	22.8	18.3	82.7	17.07	15.0	0.8	0.0	0.8	
15	15.5	26.2	21.4	74.7	18.45	16.2	0.0	0.0	0.0	8.9
16	17.2	24.0	20.6	84.5	20.38	17.8	0.0	0.0	0.0	4.9
17	17.0	25.0	20.6	73.8	17.82	15.7	0.1	27.8	27.9	4.6
18	16.0	25.5	20.0	72.3	16.53	14.4	0.0	7.5	7.5	5.1
19	16.4	23.8	19.3	79.3	17.68	15.6	7.3	11.0	18.3	2.5
20	16.0	19.8	17.7	87.6	17.77	15.6	2.5	0.0	2.5	0.1
21	16.3	24.5	19.5	76.8	17.40	15.3	0.6	9.4	10.0	3.3
22	15.4	21.0	17.9	88.9	18.14	15.9	1.1	4.0	5.1	0.4
23	15.5	25.5	19.8	85.4	19.66	17.2	9.0	28.8	37.8	7.7
24	15.8	25.0	20.2	78.8	18.14	16.0	0.2	6.4	6.6	8.0
25	15.6	24.0	19.3	88.0	19.82	17.3	4.3	10.2	14.5	7.2
26	15.7	22.5	19.2	80.2	17.55	15.4	2.2	3.1	5.3	2.9
27	15.6	22.4	18.4	89.2	19.03	16.7	1.9	3.4	5.3	1.0
28	15.9	21.2	17.0	84.2	16.69	14.7	3.3	0.8	4.1	0.2
29	15.0	24.6	19.5	73.7	16.77	14.7	18.2	0.4	18.6	4.4
30	16.0	25.0	20.4	71.2	16.66	14.6	0.0	0.0	0.0	7.8
PROM.	16.0	24.1	19.6	80.4	18.21	16.0	88.0	324.7	412.7	

M E S - OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.5	25.8	21.1	76.1	18.98	16.7	0.0	12.8	12.8	6.6
2	15.4	23.5	18.5	86.4	18.23	16.0	1.7	3.8	5.5	4.5
3	16.2	23.6	19.0	84.8	18.56	16.3	0.3	0.0	0.3	3.7
4	15.8	24.0	19.1	84.7	18.65	16.4	0.0	12.7	12.7	3.2
5	15.4	22.5	18.4	86.9	18.24	16.0	1.2	0.2	1.4	1.3
6	15.8	26.5	21.1	71.4	17.86	15.7	0.0	3.9	3.9	10.7
7	15.4	26.6	21.3	71.5	17.86	15.7	0.0	0.9	0.9	10.1
8	15.4	26.5	19.7	74.7	17.27	15.2	7.6	7.5	15.1	6.6
9	16.0	23.6	18.8	82.5	18.13	15.9	11.8	0.0	11.8	3.0
10	15.5	23.4	19.3	82.3	18.64	16.4	2.5	18.1	20.6	6.9
11	14.5	20.6	17.9	86.7	17.77	15.6	0.0	5.7	5.7	1.1
12	15.4	22.0	18.0	88.3	18.32	16.1	0.7	0.0	0.7	2.2
13	16.0	22.5	18.0	88.9	18.25	16.1	4.5	16.5	21.0	3.5
14	16.0	25.5	19.0	79.4	17.85	15.7	7.1	0.1	7.2	4.7
15	16.5	22.6	19.6	82.8	18.89	16.6	7.1	0.0	7.1	4.0
16	16.0	26.0	19.7	76.1	17.38	15.3	0.0	44.8	44.8	7.6
17	15.0	23.2	19.1	79.1	17.83	15.6	0.1	0.0	0.1	4.5
18	16.4	23.0	19.1	86.0	18.92	16.6	1.1	0.8	1.9	3.0
19	16.8	24.0	19.4	78.3	17.33	15.2	0.0	0.2	0.2	2.8
20	16.5	20.5	20.1	72.8	17.24	15.1	0.9	0.0	0.9	7.7
21	17.0	25.5	21.1	79.5	19.85	17.4	0.0	41.6	41.6	6.8
22	15.5	25.8	20.7	71.8	17.44	15.3	0.0	21.6	21.6	8.8
23	16.0	23.4	19.5	77.9	17.65	15.4	22.9	0.0	22.9	3.7
24	15.5	22.5	19.0	85.5	18.99	16.7	4.0	6.1	10.1	3.2
25	16.4	23.5	18.8	88.4	19.29	16.9	1.0	0.5	1.5	2.6
26	16.5	23.7	20.2	80.3	18.87	16.6	2.4	2.5	4.9	3.1
27	17.0	23.0	19.3	79.6	17.76	15.6	0.0	19.8	19.8	2.3
28	16.4	21.2	18.5	88.6	18.92	16.6	3.2	0.0	3.2	0.0
29	16.5	23.8	19.8	85.8	19.68	17.3	0.0	0.0	0.0	2.1
30	17.0	23.6	20.4	82.4	19.95	17.5	0.0	28.1	28.1	3.6
31	16.0	25.0	20.5	80.9	19.86	17.3	0.0	0.0	0.0	6.6
PROM	16.0	24.0	19.5	81.3	18.40	16.2	80.1	248.2	328.3	140.5

ESTACION: EL ROSARIO MUNICIPIO: VENECIA AÑO: 1.989

ALTITUD: 1.600 LATITUD: 5-56 N. LONGITUD: 75-43 W.

M E S — NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.4	22.0	18.5	83.9	17.64	15.5	0.4	0.0	0.4	2.4
2	16.0	23.5	19.2	86.8	19.12	16.8	0.8	50.8	51.6	2.8
3	16.4	24.6	19.9	83.2	19.23	16.9	0.0	0.5	0.5	5.0
4	17.2	23.5	19.5	84.8	19.61	17.2	4.2	0.0	4.2	3.2
5	17.0	25.5	20.7	74.5	17.93	15.8	0.0	0.0	0.0	5.9
6	17.1	24.5	20.7	78.2	19.13	16.8	0.2	3.2	3.4	8.2
7	16.5	22.2	18.3	84.3	17.76	15.6	16.4	0.0	16.4	0.2
8	16.0	22.5	18.6	90.0	19.70	17.2	27.5	3.2	30.7	1.6
9	16.2	25.6	20.0	82.0	18.80	16.5	0.2	1.5	1.7	7.4
10	16.8	24.5	19.6	76.0	17.62	15.4	5.1	0.2	5.3	3.5
11	16.2	22.2	18.5	88.4	19.06	16.7	5.8	0.6	6.4	2.7
12	14.8	22.8	18.8	81.0	17.31	15.2	0.2	0.0	0.2	4.3
13	16.0	23.6	19.5	75.7	17.45	15.4	2.6	0.0	2.6	5.7
14	15.5	25.5	20.5	74.5	17.89	15.7	0.0	0.4	0.4	8.0
15	16.5	26.0	21.2	79.3	19.64	17.2	0.0	0.0	0.0	7.4
16	17.3	24.6	19.4	89.0	20.55	17.9	14.6	0.2	14.8	3.7
17	16.5	25.0	19.5	88.0	19.90	17.4	0.1	1.9	2.0	3.4
18	17.4	27.2	20.7	81.6	20.37	17.7	13.2	0.0	13.2	7.7
19	17.8	28.0	22.3	78.2	20.81	18.1	0.0	0.0	0.0	8.5
20	17.9	25.5	21.7	83.2	21.77	18.8	0.0	2.8	2.8	5.2
21	16.8	22.4	18.9	92.0	20.02	17.5	0.0	0.0	0.0	0.4
22	17.3	22.5	20.1	83.7	19.47	17.1	7.7	0.0	7.7	4.4
23	17.6	26.5	21.4	80.2	20.39	17.8	20.6	1.3	21.9	7.0
24	17.5	24.8	21.1	76.0	18.78	16.5	0.2	0.0	0.2	3.2
25	17.4	23.8	19.9	83.9	19.37	17.0	0.0	0.0	0.0	1.5
26	17.0	26.2	20.3	79.6	18.76	16.5	10.3	0.0	10.3	5.2
27	17.5	26.4	21.1	75.4	18.86	16.6	6.3	0.0	6.3	9.3
28	17.4	26.0	21.3	75.1	18.94	16.6	0.0	14.5	14.5	8.3
29	16.0	22.8	19.3	88.8	19.87	17.4	0.0	19.1	19.1	2.3
30	16.5	23.2	19.6	83.9	19.02	16.7	0.0	2.5	2.5	2.4
PROM.	16.8	24.4	20.0	82.0	19.16	16.8	136.4	102.7	239.1	140.8

M E S — DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.5	23.8	18.4	86.7	18.51	16.3	0.2	5.3	5.5	2.6
2	16.0	21.2	18.0	89.0	18.52	16.2	1.7	0.0	1.7	0.2
3	15.8	25.2	20.3	80.8	18.89	16.6	0.0	10.0	10.0	7.7
4	16.0	21.1	18.0	84.6	17.67	15.5	28.0	0.0	28.0	0.1
5	15.6	22.5	19.2	83.8	18.57	16.3	0.0	0.3	0.3	0.4
6	16.0	24.2	20.3	81.9	19.19	16.8	0.8	0.0	0.8	5.8
7	16.5	26.4	21.3	74.7	18.65	16.4	0.0	0.0	0.0	8.9
8	16.6	26.6	22.1	69.5	17.82	15.7	0.0	0.0	0.0	8.7
9	17.8	26.7	21.5	76.7	19.40	17.0	0.0	2.1	2.1	5.3
10	17.5	23.2	20.0	87.4	20.20	17.6	0.0	13.7	13.7	0.3
11	16.5	26.0	20.0	83.2	19.29	16.9	0.1	3.7	3.8	6.3
12	16.4	26.5	20.9	80.9	19.68	17.2	0.1	0.0	0.1	5.6
13	17.3	25.0	21.3	77.6	19.38	17.0	0.0	0.0	0.0	4.7
14	17.0	23.6	20.4	78.9	18.84	16.5	0.0	0.0	0.0	
15	16.4	26.0	20.9	73.2	17.76	15.6	0.0	0.0	0.0	8.9
16	15.4	25.6	20.3	72.3	16.95	14.9	6.8	0.0	6.8	9.0
17	16.5	26.8	21.3	75.5	18.77	16.5	0.0	0.0	0.0	9.5
18	16.6	27.3	21.4	71.4	17.87	15.7	0.0	0.0	0.0	9.2
19	16.5	27.6	21.4	75.0	18.72	16.5	0.0	0.0	0.0	10.0
20	16.0	26.9	21.3	72.5	17.87	15.7	0.0	0.0	0.0	10.0
21	17.0	26.5	20.9	77.0	18.76	16.5	0.9	0.0	0.9	9.1
22	16.4	26.8	22.0	68.9	17.68	15.5	0.0	0.0	0.0	9.9
23	16.6	22.5	19.5	85.5	19.44	17.1	4.7	0.2	4.9	1.3
24	16.8	22.4	19.1	83.3	18.33	16.1	0.3	0.0	0.3	0.8
25	16.4	25.5	18.6	81.7	17.77	15.6	11.6	2.1	13.7	3.3
26	15.8	23.8	19.5	80.4	18.14	16.0	0.1	0.0	0.1	5.3
27	15.0	26.5	20.9	67.5	16.44	14.5	0.0	0.8	0.8	8.2
28	16.5	24.8	19.6	81.7	18.49	16.3	0.0	14.5	14.5	5.1
29	16.1	26.3	19.2	75.9	16.86	14.8	10.2	0.0	10.2	6.4
30	16.0	26.0	19.6	74.5	16.66	14.6	1.6	0.1	1.7	8.4
31	15.5	26.3	19.4	77.2	17.34	15.3	0.4	0.1	0.5	9.7
PROM	16.4	25.1	20.2	78.4	18.34	16.1	67.5	52.5	120.4	

ESTACION: EL ROSARIO MUNICIPIO: VENECIA AÑO: 1.989

ALTITUD: 1.600 LATITUD: 5-56 N. LONGITUD: 75-43 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	16.3	23.9	19.6	14.5	26.8	79.9	18.06	15.9	133.2	25	125.6
FEBRERO	16.1	24.2	19.8	14.0	27.2	76.3	17.26	15.1	71.6	18	134.6
MARZO	16.2	25.1	19.9	15.0	26.2	74.0	16.97	14.9	148.0	19	148.4
ABRIL	17.0	26.2	21.3	15.5	28.8	73.8	18.36	16.1	148.8	16	
MAYO	16.5	24.8	20.4	14.3	27.6	78.0	18.49	16.2	259.8	21	150.1
JUNIO	16.3	24.5	19.8	15.0	26.5	80.0	18.42	16.2	548.7	24	180.5
JULIO	16.5	25.5	20.8	14.0	26.2	73.1	17.61	15.4	129.1	16	206.8
AGOSTO	16.1	25.3	20.4	14.0	27.2	75.4	17.87	15.7	295.7	21	208.8
SEPTIEMBRE	16.0	24.1	19.6	13.8	26.5	80.4	18.21	16.0	412.7	24	
OCTUBRE	16.0	24.0	19.5	14.5	26.6	81.3	18.40	16.2	328.3	29	140.5
NOVIEMBRE	16.8	24.4	20.0	14.8	28.0	82.0	19.16	16.8	239.1	25	140.8
DICIEMBRE	16.4	25.1	20.2	15.0	27.6	78.4	18.34	16.1	120.4	21	
PROMEDIO	16.4	24.8	20.1	14.5	27.4	77.7	18.10	15.9			
TOTAL									2835.4	259	

ESTACION: MIGUEL VALENCIA **MUNICIPIO:** JARDIN **AÑO:** 1.989

ALTITUD: 1.570 **LATITUD:** 5-32 N. **LONGITUD:** 75-51 W.

M E S – ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.8	22.2	17.7	88.4	17.88	15.7	3.6	0.0	3.6	0.0
2	15.0	20.2	17.6	87.7	17.60	15.5	0.0	4.4	4.4	0.1
3	14.8	23.8	18.9	78.2	16.59	14.4	0.1	15.5	15.6	2.3
4	15.7	25.8	19.3	76.4	16.49	14.3	16.0	14.8	30.8	6.2
5	15.0	24.0	18.0	79.5	16.02	13.9	0.2	0.0	0.2	4.0
6	15.2	25.0	19.0	78.1	16.57	14.4	0.0	0.0	0.0	6.0
7	16.4	24.2	18.2	81.7	17.25	15.2	0.0	0.0	0.0	5.0
8	15.2	24.8	19.2	77.0	16.56	14.3	0.0	6.5	6.5	7.8
9	14.9	23.9	18.6	75.1	15.86	13.7	0.3	1.4	1.7	4.4
10	15.8	20.4	17.5	82.6	16.35	14.2	0.0	7.9	7.9	0.5
11	15.7	23.2	18.8	80.5	17.08	15.0	0.8	0.0	0.8	2.2
12	14.6	24.8	18.9	78.9	16.52	14.4	0.0	0.3	0.3	7.1
13	15.8	23.1	18.3	80.8	16.68	14.6	1.8	15.8	17.6	0.3
14	14.8	24.4	19.4	76.9	16.69	14.4	0.0	1.3	1.3	4.4
15	16.0	25.5	19.2	76.6	16.91	14.8	1.0	0.0	1.0	4.0
16	14.9	25.0	19.0	78.0	16.62	14.4	0.2	0.0	0.2	
17	16.0	24.4	18.3	79.2	16.26	14.0	6.3	6.1	12.4	2.0
18	15.8	24.7	18.7	81.4	17.35	15.2	0.0	0.0	0.0	5.1
19	16.0	22.8	18.3	81.4	16.95	14.8	7.8	0.0	7.8	2.9
20	15.4	23.5	19.3	76.3	16.42	14.1	4.9	0.0	4.9	2.5
21	16.0	21.6	18.5	78.1	16.28	14.1	0.1	0.0	0.1	3.5
22	14.8	22.4	18.8	81.6	17.25	15.1	0.0	0.0	0.0	1.5
23	15.0	25.1	20.0	76.6	17.02	14.7	0.0	0.0	0.0	7.1
24	15.8	26.8	19.8	75.5	16.89	14.8	0.0	0.0	0.0	6.1
25	16.8	23.8	19.2	81.6	16.01	15.8	0.0	0.0	0.0	1.5
26	16.6	24.2	19.2	79.4	17.33	15.1	2.3	8.0	10.3	2.7
27	16.4	23.2	19.4	81.3	18.04	15.8	1.4	6.7	8.1	0.3
28	15.5	20.8	18.1	84.1	17.19	15.1	0.0	0.0	0.0	0.3
29	16.0	25.5	19.4	80.0	17.72	15.5	0.0	0.0	0.0	3.9
30	16.1	23.3	18.5	77.3	16.28	14.2	0.0	0.0	0.0	0.4
31	16.0	23.5	18.6	81.7	17.44	15.4	0.0	12.8	12.8	1.1
PROM.	15.6	23.7	18.8	79.7	16.91	14.7	46.8	101.5	148.3	

M E S – FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.2	23.9	18.5	83.7	17.78	15.6	5.9	0.0	5.9	3.1
2	16.4	24.8	19.3	75.3	16.49	14.3	0.7	0.1	0.8	5.1
3	17.0	19.6	17.7	89.3	18.31	16.1	12.3	0.6	12.9	0.0
4	15.0	21.8	17.8	83.8	16.87	14.8	2.0	0.0	2.0	0.2
5	14.2	22.8	18.6	76.8	16.05	14.0	0.0	0.0	0.0	0.1
6	15.4	25.4	19.3	75.0	16.24	14.1	1.7	1.8	3.5	5.7
7	15.2	25.2	19.9	73.4	16.32	14.1	0.0	3.1	3.1	2.8
8	16.1	25.0	19.7	75.7	16.80	14.6	0.0	1.3	1.3	2.9
9	16.8	25.2	18.8	81.4	17.45	15.3	13.6	0.5	14.1	3.2
10	16.6	20.0	17.9	88.9	18.12	15.9	0.3	9.8	10.1	0.1
11	15.4	21.4	17.7	83.7	16.79	14.7	0.0	23.0	23.0	0.0
12	15.8	23.9	17.3	85.8	17.01	14.9	0.3	0.2	0.5	2.0
13	15.2	20.6	18.1	88.6	18.25	16.1	0.0	0.0	0.0	
14	15.5	25.2	20.2	72.0	16.16	13.9	0.5	0.2	0.7	6.1
15	14.4	25.7	20.1	64.7	14.10	11.9	0.0	0.0	0.0	9.7
16	14.5	25.4	19.7	63.3	13.54	11.3	0.0	0.0	0.0	7.6
17	15.5	24.5	18.6	74.2	15.54	13.8	0.0	0.0	0.0	6.1
18	14.0	26.3	19.8	73.4	16.17	14.0	0.0	0.0	0.0	8.9
19	14.8	25.8	19.4	75.5	16.30	14.1	0.0	0.2	0.2	5.8
20	16.0	25.2	19.8	75.6	16.93	14.7	0.0	3.7	3.7	4.0
21	16.8	23.8	19.4	78.4	17.49	15.4	0.0	0.0	0.0	4.4
22	14.9	24.2	17.8	89.4	18.04	15.9	6.5	0.3	6.8	3.7
23	16.0	21.0	17.3	82.8	16.44	14.4	3.8	0.0	3.8	0.3
24	12.3	23.5	17.7	71.6	14.06	11.9	0.0	0.0	0.0	4.2
25	15.8	24.8	19.1	78.5	16.80	14.6	0.0	0.3	0.3	3.5
26	16.6	22.4	18.5	83.5	17.67	15.5	3.3	0.0	3.3	0.5
27	15.0	25.4	19.3	78.3	17.02	14.8	3.7	0.0	3.7	5.8
28	14.5	25.5	20.2	71.9	16.03	13.8	0.0	0.0	0.0	5.8
PROM	15.4	23.9	18.8	78.4	16.60	14.4	54.6	45.1	99.7	

ESTACION: MIGUEL VALENCIA MUNICIPIO: JARDIN AÑO: 1.989

ALTITUD: 1.570 LATITUD: 5-32 N. LONGITUD: 75-51 W.

M E S – MARZO

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.9	27.0	20.2	73.4	16.42	14.3	0.0	0.0	0.0	8.1
2	15.0	26.4	20.3	73.2	16.69	14.6	0.0	0.3	0.3	5.4
3	15.8	26.3	20.0	73.8	16.60	14.4	0.0	0.0	0.0	2.5
4	16.0	24.4	19.6	78.9	17.58	15.4	0.0	24.7	24.7	2.0
5	15.4	19.8	17.5	86.8	17.19	15.1	0.6	0.0	0.6	0.0
6	13.5	27.3	20.2	65.7	14.56	12.5	0.0	24.5	24.5	7.3
7	15.8	24.5	19.0	79.8	17.14	15.0	0.3	0.0	0.3	4.3
8	16.3	24.0	19.0	80.3	17.31	15.2	0.1	3.1	3.2	4.7
9	16.0	25.9	20.4	65.6	14.81	12.6	0.0	1.8	1.8	5.4
10	15.9	26.4	19.6	71.7	15.71	13.5	0.1	0.9	1.0	5.5
11	16.8	25.3	19.2	75.8	16.45	14.3	0.0	17.0	17.0	3.5
12	16.4	25.0	20.0	78.1	17.73	15.5	0.0	8.3	8.3	
13	16.8	25.2	20.9	74.8	17.84	15.5	0.0	0.0	0.0	
14	15.0	22.0	17.5	87.7	17.65	15.5	1.5	0.9	2.4	0.0
15	15.4	25.8	18.8	77.2	16.22	14.0	0.0	5.2	5.2	2.6
16	15.3	25.5	19.3	72.8	15.53	13.3	0.4	1.6	2.0	2.9
17	16.2	25.4	18.9	74.6	15.82	13.7	0.0	0.0	0.0	6.4
18	15.7	26.0	18.8	71.8	15.21	13.1	0.0	0.0	0.0	5.6
19	13.7	25.8	19.0	73.2	15.72	13.7	0.0	1.5	1.5	6.4
20	15.8	22.1	18.0	85.7	17.52	15.4	0.3	0.0	0.3	0.8
21	15.7	26.4	19.7	69.7	15.44	13.3	0.0	2.4	2.4	7.7
22	16.0	26.0	19.4	72.8	15.91	13.8	0.0	0.0	0.0	4.6
23	13.9	25.4	17.7	77.5	15.12	13.0	0.1	9.6	9.7	5.7
24	15.6	24.0	18.3	77.4	15.83	13.7	0.6	0.0	0.6	5.5
25	14.1	26.3	19.5	73.5	15.78	13.7	0.0	0.0	0.0	9.3
26	15.0	23.2	18.6	76.6	16.21	14.2	0.2	4.8	5.0	1.5
27	15.7	24.2	19.3	79.7	17.36	15.2	2.8	13.3	16.1	4.2
28	15.9	22.4	18.5	80.4	16.86	14.7	0.0	0.0	0.0	0.1
29	13.0	25.5	18.8	69.1	14.16	12.0	0.0	0.0	0.0	7.9
30	13.2	25.0	18.6	69.2	14.03	11.9	0.0	0.0	0.0	7.3
31	13.1	24.1	18.3	75.3	15.34	13.3	0.0	0.0	0.0	4.6
PROM.	15.3	24.9	19.1	75.6	16.18	14.0	7.0	119.9	126.9	

M E S – ABRIL

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.9	23.5	18.6	82.7	17.43	15.3	10.1	2.5	12.6	3.2
2	16.0	26.2	20.1	74.3	16.95	14.8	0.0	0.0	0.0	4.4
3	15.7	25.1	19.9	76.0	17.14	15.0	0.0	0.0	0.0	6.1
4	16.7	25.5	20.1	74.2	17.03	14.8	0.6	2.8	3.4	5.3
5	17.2	25.2	19.0	82.0	17.85	15.6	11.6	0.0	11.6	3.4
6	15.0	26.4	19.7	71.4	15.99	13.8	0.0	0.0	0.0	6.3
7	14.4	27.9	20.7	70.9	16.28	14.1	0.0	1.1	1.1	8.8
8	15.8	26.5	21.0	71.2	16.68	14.3	0.0	4.7	4.7	5.1
9	16.7	25.4	20.6	79.2	18.79	16.3	0.0	0.0	0.0	2.2
10	17.1	25.0	20.6	79.6	18.79	16.3	2.1	0.0	2.1	2.9
11	15.0	26.6	20.9	74.0	17.24	14.9	0.1	0.0	0.1	6.1
12	17.2	25.0	20.1	75.3	17.53	15.3	1.1	0.0	1.1	1.4
13	16.7	27.4	21.4	66.6	16.20	14.1	0.0	0.0	0.0	6.5
14	16.8	26.4	19.9	75.5	17.33	15.1	0.3	2.0	2.3	2.3
15	15.4	25.4	20.2	77.4	17.87	15.6	1.9	0.0	1.9	2.4
16	15.0	26.6	20.8	69.8	16.78	14.7	0.0	7.1	7.1	6.6
17	14.8	27.5	21.0	67.1	15.94	14.0	0.0	0.0	0.0	8.8
18	15.4	27.6	20.8	71.0	16.60	14.4	0.0	0.0	0.0	6.7
19	16.0	27.4	20.9	74.1	17.51	15.3	0.1	0.0	0.1	6.3
20	16.9	26.7	21.4	75.5	16.60	16.3	0.0	0.8	0.8	4.5
21	16.6	25.8	21.3	71.9	17.51	15.2	2.7	23.8	26.5	5.9
22	16.8	25.2	20.6	77.4	18.26	15.9	0.0	0.5	0.5	3.7
23	17.4	26.4	21.2	73.1	17.90	15.6	0.0	1.3	1.3	6.8
24	17.8	26.0	20.8	75.9	18.13	15.8	0.1	15.9	16.0	3.8
25	15.4	26.8	21.0	74.3	17.92	15.6	0.3	0.0	0.3	5.7
26	16.8	26.2	19.9	82.5	19.25	16.9	12.6	4.1	16.7	4.9
27	16.0	26.4	20.6	70.5	16.54	14.3	0.0	23.8	23.8	7.9
28	16.5	25.6	20.0	75.6	17.11	14.9	0.0	0.4	0.4	6.8
29	16.7	24.0	18.7	88.8	19.03	16.7	5.3	1.1	6.4	1.3
30	15.8	26.5	20.5	71.4	16.56	14.4	0.8	0.0	0.8	5.1
PROM	16.2	26.1	20.4	75.0	17.42	15.2	49.7	91.9	141.6	151.2

ESTACION: MIGUEL VALENCIA MUNICIPIO: JARDIN AÑO: 1.969

ALTITUD: 1.570 LATITUD: 5-32 N. LONGITUD: 75-51 W.

M E S – MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.4	23.0	18.3	87.0	18.56	16.3	39.9	8.4	48.3	1.7
2	14.8	24.6	18.6	78.4	16.17	14.0	0.0	17.5	17.5	2.2
3	15.8	25.0	19.7	77.0	17.14	15.0	0.0	0.0	0.0	5.7
4	15.9	24.4	19.7	76.6	17.03	14.8	2.9	0.0	2.9	4.5
5	15.2	24.3	19.2	79.3	17.20	15.1	0.8	4.6	5.4	4.9
6	15.9	24.0	18.8	82.1	17.49	15.3	0.1	0.0	0.1	3.5
7	15.1	25.4	18.5	84.1	17.86	15.7	2.9	9.1	12.0	4.4
8	15.7	23.2	19.0	82.0	17.65	15.5	0.7	8.9	9.6	1.6
9	16.0	24.2	17.8	84.0	17.13	15.1	0.0	0.0	0.0	1.6
10	15.8	21.8	17.8	92.0	18.85	16.6	14.3	0.0	14.3	0.0
11	13.8	27.0	19.1	77.5	16.42	14.2	0.1	1.8	1.9	7.7
12	14.9	23.9	18.9	82.7	16.07	15.9	5.1	2.2	7.3	4.2
13	16.0	23.2	18.8	81.8	17.50	15.4	1.1	2.3	3.4	2.7
14	16.1	24.8	19.2	71.9	15.75	13.7	4.6	0.3	4.9	4.3
15	16.0	26.8	19.5	77.8	17.22	15.0	3.7	0.3	4.0	5.2
16	13.7	27.5	20.6	69.0	15.71	13.6	0.0	0.0	0.0	9.7
17	14.8	26.6	20.5	71.0	16.40	14.3	0.0	0.0	0.0	6.1
18	14.7	26.2	20.7	71.3	16.53	14.2	0.0	0.0	0.0	0.6
19	15.9	25.4	19.5	79.2	17.65	15.4	11.1	0.5	11.6	4.4
20	16.0	26.7	19.8	75.8	16.95	14.8	1.4	0.0	1.4	8.1
21	14.0	26.4	20.3	75.1	17.15	14.9	0.0	0.0	0.0	6.2
22	16.0	28.2	21.8	68.3	17.09	14.8	0.0	1.9	1.9	7.7
23	15.9	24.8	20.0	78.8	18.04	15.8	0.2	13.5	13.7	0.8
24	17.2	23.4	19.3	80.1	17.66	15.3	8.7	22.1	30.8	2.7
25	16.9	23.5	18.9	77.9	16.69	14.3	2.9	10.6	13.5	2.8
26	16.5	23.8	19.1	78.8	17.06	14.9	0.2	0.0	0.2	0.9
27	14.8	25.8	19.1	75.9	16.06	13.9	4.2	1.8	6.0	5.4
28	13.2	24.5	18.8	78.8	16.39	14.1	0.5	0.0	0.5	4.3
29	14.3	23.8	18.9	82.5	17.98	15.8	2.3	0.0	2.3	4.6
30	14.2	27.0	20.8	74.5	17.45	15.2	0.0	0.0	0.0	9.3
31	16.5	25.8	20.9	74.2	18.10	15.8	0.0	0.0	0.0	4.2
PROM.	15.4	25.0	19.4	78.2	17.19	15.0	107.7	105.8	213.5	132.4

M E S – JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.7	26.0	20.5	75.3	18.01	15.8	0.0	27.3	27.3	4.7
2	16.0	22.3	18.8	85.2	18.29	16.1	0.1	0.0	0.1	2.0
3	15.6	20.0	17.2	87.5	17.43	15.4	12.4	0.0	12.4	0.0
4	13.5	25.2	18.8	79.2	16.58	14.5	0.0	6.0	6.0	7.3
5	15.5	23.4	18.7	83.1	17.64	15.5	23.3	0.1	23.4	4.1
6	16.0	23.9	18.3	84.0	17.63	15.5	0.9	27.4	28.3	3.8
7	14.8	25.8	19.1	75.2	15.78	13.5	0.0	0.0	0.0	8.0
8	15.0	26.2	20.4	76.1	17.47	15.2	0.0	46.4	46.4	9.5
9	15.2	26.0	18.9	82.3	17.68	15.5	3.2	6.9	10.1	7.5
10	14.6	26.8	19.9	76.1	16.79	14.6	0.0	3.6	3.6	10.0
11	15.0	25.1	19.1	79.2	17.17	15.0	13.9	18.1	32.0	6.2
12	16.2	26.2	20.0	77.3	17.49	15.3	2.5	2.4	4.9	6.2
13	15.8	23.1	18.7	84.7	18.08	15.9	0.6	0.7	1.3	3.0
14	15.2	26.7	19.0	74.0	15.60	13.4	4.2	0.0	4.2	4.9
15	15.4	25.4	19.8	74.9	16.37	14.0	0.0	0.0	0.0	6.0
16	14.9	26.1	19.6	66.7	14.92	12.8	0.0	0.0	0.0	7.9
17	14.0	25.5	19.3	75.7	16.23	14.1	0.0	0.0	0.0	5.0
18	16.0	25.0	19.3	78.8	17.29	15.1	3.8	14.7	18.5	5.2
19	15.4	25.0	19.2	74.4	16.15	14.1	0.0	0.0	0.0	4.1
20	16.5	24.4	18.6	80.2	17.04	14.8	6.2	0.0	6.2	4.3
21	14.2	25.0	20.1	77.2	17.63	15.4	0.0	4.6	4.6	6.1
22	16.4	24.1	18.9	81.5	17.58	15.4	0.0	10.2	10.2	2.1
23	15.5	21.2	17.8	84.0	17.02	14.9	13.5	0.0	13.5	0.4
24	14.0	24.7	18.9	77.2	16.31	14.1	3.5	2.7	6.2	4.2
25	15.0	23.2	18.2	81.8	16.87	14.8	4.2	0.0	4.2	3.8
26	14.7	25.5	19.6	73.5	16.12	14.0	0.0	14.5	14.5	8.7
27	14.8	26.3	19.7	73.4	16.52	14.4	0.0	1.3	1.3	9.6
28	16.5	25.4	19.5	75.5	16.78	14.7	0.0	0.0	0.0	8.3
29	15.8	26.2	20.2	72.3	16.52	14.4	0.0	16.7	16.7	9.5
30	15.0	25.0	19.1	77.1	16.45	14.3	0.0	3.8	3.8	6.8
PROM	15.3	24.8	19.2	78.1	16.91	14.8	92.3	207.4	299.7	169.2

ACION: MIGUEL VALENCIA MUNICIPIO: JARDIN AÑO: 1.989

TITUD: 1.570 LATITUD: 5-32 N. LONGITUD: 75-51 W.

M E S – JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.2	24.8	18.6	74.2	15.47	13.4	0.0	0.0	0.0	7.7
2	15.0	24.5	18.9	74.8	15.93	13.9	0.5	0.0	0.5	7.3
3	13.2	25.4	18.7	69.0	14.12	12.1	0.0	0.0	0.0	8.9
4	12.4	26.4	18.7	70.0	14.27	12.1	0.0	0.0	0.0	7.4
5	14.9	24.5	18.6	78.3	16.55	14.5	6.1	0.0	6.1	4.3
6	15.4	25.2	19.1	72.9	15.60	13.5	0.1	0.0	0.1	7.5
7	15.3	24.0	18.4	83.0	17.49	15.4	2.4	0.4	2.8	4.2
8	15.2	24.4	17.9	80.5	16.23	14.1	0.2	4.7	4.9	3.2
9	14.8	22.2	17.8	81.5	16.40	14.3	0.1	6.4	6.5	3.1
10	13.7	25.3	18.5	75.5	15.41	13.4	0.0	0.0	0.0	7.8
11	13.8	25.0	18.9	70.9	14.68	12.5	0.0	0.0	0.0	7.3
12	14.7	27.0	20.0	69.6	15.53	13.4	0.0	0.0	0.0	8.2
13	13.8	26.9	18.8	70.4	14.56	12.5	0.0	0.0	0.0	8.8
14	14.1	26.2	19.3	70.2	15.14	13.1	0.0	0.0	0.0	6.1
15	12.6	26.8	19.2	64.4	13.24	11.1	0.0	0.0	0.0	9.1
16	13.8	26.2	20.4	67.6	15.50	13.4	0.0	0.0	0.0	2.7
17	13.4	25.8	19.0	75.8	15.99	13.8	0.0	0.0	0.0	5.1
18	13.5	27.2	20.0	69.5	15.38	13.2	0.0	0.0	0.0	7.9
19	14.8	25.8	20.6	75.6	17.61	15.4	0.0	0.7	0.7	5.6
20	16.8	24.0	18.9	82.0	17.64	15.4	3.9	0.4	4.3	2.4
21	16.0	24.9	19.4	74.8	16.41	14.3	0.0	2.7	2.7	4.4
22	16.9	21.9	18.4	85.4	18.18	16.0	11.8	0.4	12.2	1.5
23	16.2	25.8	20.4	72.1	16.52	14.3	0.0	2.7	2.7	6.3
24	15.8	24.5	18.3	88.8	18.52	16.3	1.3	0.0	1.3	4.9
25	15.2	26.0	19.8	73.9	16.39	14.3	0.0	0.0	0.0	2.9
26	16.5	23.2	19.1	85.6	18.75	16.4	7.1	0.0	7.1	2.4
27	17.0	25.5	20.9	71.2	16.96	14.7	0.0	8.8	8.8	7.9
28	15.7	25.4	19.7	77.3	17.11	14.9	0.0	0.0	0.0	5.7
29	15.8	27.0	19.7	73.5	16.23	14.0	0.6	37.0	37.6	8.3
30	14.8	25.8	19.7	73.9	16.25	14.1	0.0	0.1	0.1	6.5
31	16.2	27.0	20.0	77.5	17.67	15.5	0.2	9.9	10.1	7.9
PROM.	14.9	25.3	19.2	75.2	16.18	14.0	34.3	74.2	108.5	183.3

M E S – AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	25.4	19.1	76.1	16.35	14.1	1.5	0.4	1.9	4.5
2	14.8	26.3	19.3	74.5	16.11	14.0	4.3	0.0	4.3	6.7
3	14.7	26.4	20.5	71.4	16.17	14.0	0.0	16.4	16.4	8.7
4	16.0	26.0	20.6	68.8	15.89	13.7	0.0	0.0	0.0	7.4
5	15.4	26.1	19.9	71.0	15.61	13.4	0.0	16.3	16.3	6.6
6	15.8	22.8	18.4	76.9	16.06	14.0	0.0	0.0	0.0	2.7
7	13.0	26.0	19.8	67.1	14.30	12.1	0.0	0.0	0.0	9.6
8	14.8	26.8	19.7	77.0	17.01	14.8	5.4	7.3	12.7	7.1
9	14.7	25.3	20.0	72.5	15.90	13.4	2.5	8.4	10.9	5.7
10	16.8	24.8	20.4	76.2	17.69	15.6	5.8	0.0	5.8	5.2
11	15.0	24.9	19.3	75.2	16.40	14.3	3.3	0.0	3.3	5.2
12	15.8	25.4	19.8	75.9	17.15	15.0	0.4	0.0	0.4	5.0
13	14.9	23.5	19.1	76.8	16.50	14.2	0.9	0.0	0.9	0.1
14	15.7	26.2	20.0	78.4	17.82	15.5	0.8	0.0	0.8	5.2
15	16.0	25.2	20.7	71.9	16.87	14.7	0.7	5.5	6.2	4.8
16	16.5	24.2	18.7	77.1	16.20	13.9	1.3	0.0	1.3	1.6
17	15.4	25.4	20.6	67.9	15.59	13.5	0.0	0.0	0.0	4.7
18	14.8	26.8	19.9	74.1	16.22	13.9	3.5	0.0	3.5	7.0
19	15.2	24.2	18.9	78.2	16.79	14.7	12.5	20.7	33.2	2.7
20	15.0	24.3	19.2	73.6	15.71	13.6	0.0	17.6	17.6	7.1
21	15.1	25.1	18.9	77.6	16.32	14.1	0.0	7.6	7.6	8.3
22	15.2	25.4	19.3	77.0	16.59	14.4	7.8	0.0	7.8	6.7
23	15.0	24.0	18.5	79.4	16.80	14.8	1.5	24.7	26.2	2.2
24	16.0	25.0	19.8	73.5	16.29	14.0	0.0	0.0	0.0	7.6
25	15.2	25.2	19.8	74.2	16.87	14.6	0.0	33.8	33.8	4.4
26	15.8	25.3	19.2	71.9	15.83	13.8	8.6	8.4	17.0	7.1
27	16.0	26.0	19.4	76.0	16.67	14.5	0.0	0.1	0.1	7.7
28	16.5	25.0	19.8	75.5	17.40	15.1	1.2	6.8	8.0	
29	15.7	22.2	17.8	81.8	16.44	14.3	0.3	10.2	10.5	0.9
30	16.0	22.1	18.5	79.3	16.52	14.4	1.6	0.0	1.6	2.3
31	16.5	25.2	18.5	77.3	16.25	14.1	10.1	0.0	10.1	8.0
PROM	15.5	25.0	19.5	75.0	16.40	14.2	74.0	184.2	258.2	

ESTACION: MIGUEL VALENCIA MUNICIPIO: JARDIN AÑO: 1.989

ALTITUD: 1.570 LATITUD: 5-32 N. LONGITUD: 75-51 W.

M E S – SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.9	25.7	18.7	72.1	14.81	12.6	0.0	0.0	0.0	5.5
2	15.0	26.3	19.4	75.8	16.34	14.0	15.1	0.0	15.1	7.2
3	15.4	27.0	19.2	73.8	16.12	14.1	0.0	11.5	11.5	5.4
4	16.2	24.2	19.2	76.9	16.74	14.6	8.4	0.1	8.5	2.6
5	16.5	23.1	18.9	82.6	17.90	15.7	21.8	13.7	35.5	2.8
6	16.3	23.3	18.9	84.6	18.33	16.1	1.0	3.9	4.9	1.2
7	16.8	24.4	19.2	82.8	18.17	16.0	12.4	0.9	13.3	4.6
8	17.0	25.2	20.0	75.7	17.38	15.2	0.4	0.6	1.0	6.1
9	16.8	23.2	19.1	83.4	18.38	16.2	1.4	1.7	3.1	3.8
10	17.0	25.1	19.8	73.6	16.52	14.3	0.0	0.0	0.0	2.7
11	15.7	24.1	18.7	84.6	18.14	16.0	13.9	19.5	33.8	3.4
12	14.8	25.0	19.3	74.2	15.72	13.4	1.3	23.0	24.3	5.7
13	16.3	24.9	18.9	77.2	16.58	14.5	0.2	6.8	7.0	5.5
14	15.8	23.2	18.6	80.4	16.94	14.8	0.8	0.0	0.8	0.5
15	14.0	25.4	18.8	77.0	16.38	14.3	0.0	0.0	0.0	7.5
16	15.2	24.5	19.1	76.8	16.79	14.7	0.0	0.0	0.0	2.8
17	15.6	24.7	18.9	76.6	16.61	14.6	0.9	4.8	5.7	5.0
18	15.8	24.8	19.7	76.3	17.21	15.0	0.4	0.0	0.4	4.4
19	15.7	23.2	19.5	79.7	17.51	15.3	9.4	0.5	9.9	4.9
20	16.0	21.3	18.1	83.1	17.11	15.0	1.6	0.0	1.6	1.1
21	15.2	25.1	19.3	78.2	16.98	14.7	1.8	18.5	20.3	4.3
22	16.0	21.8	18.9	83.7	18.04	15.8	3.2	2.1	5.3	0.1
23	15.5	25.1	19.3	78.0	16.99	14.9	0.9	6.2	7.1	7.0
24	16.2	25.0	19.2	77.9	17.14	15.0	0.0	15.8	15.8	6.6
25	15.8	25.6	20.0	71.0	16.30	14.2	0.0	35.2	35.2	7.4
26	16.0	22.3	18.5	85.9	18.20	16.0	1.5	1.8	3.3	1.5
27	15.9	25.4	19.3	77.7	17.22	15.1	0.0	22.9	22.9	5.8
28	16.0	21.0	17.8	84.5	17.11	15.0	6.1	1.7	7.8	0.1
29	15.4	23.5	18.0	86.4	17.92	15.8	0.1	0.0	0.1	3.1
30	15.2	25.3	19.2	75.5	16.51	14.4	1.5	0.3	1.8	6.3
PROM.	15.8	24.3	19.1	78.9	17.07	14.9	104.1	191.9	296.0	124.9

M E S – OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.9	25.8	19.3	77.7	17.11	15.0	0.2	15.9	16.1	6.3
2	15.8	24.0	18.6	77.8	16.27	14.1	0.1	4.4	4.5	3.9
3	16.4	23.4	18.1	76.5	15.87	13.8	0.1	0.0	0.1	3.0
4	14.0	24.2	18.5	81.6	17.12	15.0	1.4	0.1	1.5	4.6
5	14.2	21.5	17.7	86.2	17.32	15.2	1.9	0.0	1.9	1.3
6	13.8	25.7	19.5	75.2	16.11	13.9	0.0	5.7	5.7	8.4
7	14.1	26.0	19.5	75.3	16.41	14.2	0.1	3.8	3.9	8.2
8	15.2	24.8	19.4	77.0	16.63	14.3	0.0	7.3	7.3	6.6
9	16.2	21.4	18.3	83.2	17.46	15.3	5.8	0.0	5.8	1.1
10	15.4	25.0	18.9	76.1	15.99	13.8	2.1	11.7	13.8	5.0
11	15.7	21.0	18.2	82.1	16.97	14.9	0.1	2.8	2.9	0.0
12	16.4	22.4	18.7	83.1	17.76	15.5	4.5	0.0	4.5	2.2
13	16.5	24.0	18.7	84.5	18.37	16.2	8.8	6.0	14.8	2.7
14	15.0	24.6	18.8	80.7	17.15	15.0	0.7	0.1	0.8	4.7
15	15.7	23.0	18.9	81.2	17.59	15.4	2.6	0.0	2.6	3.1
16	15.0	25.0	18.8	76.5	16.17	14.1	0.3	3.1	3.4	4.2
17	15.2	24.8	18.6	79.0	16.80	14.7	2.9	0.3	3.2	4.0
18	15.5	22.0	18.1	82.7	17.06	15.0	0.8	0.6	1.4	1.8
19	15.8	24.0	18.3	79.0	16.30	14.1	0.1	0.0	0.1	3.1
20	14.5	26.5	19.2	74.0	15.95	13.8	0.0	2.4	2.4	6.9
21	16.7	25.2	18.8	77.3	16.65	14.6	0.0	0.7	0.7	4.7
22	15.4	26.1	19.6	73.4	16.03	13.7	0.0	7.5	7.5	7.4
23	16.2	23.0	18.7	82.5	17.69	15.5	0.6	0.0	0.6	3.0
24	16.0	24.2	19.1	79.7	17.70	15.5	3.7	2.2	5.9	2.3
25	15.6	23.9	18.8	83.3	17.95	15.8	0.4	0.1	0.5	2.0
26	16.2	22.8	19.2	87.1	19.46	17.1	2.4	0.2	2.6	4.3
27	15.9	23.2	19.2	79.1	17.61	15.4	0.2	5.4	5.6	1.2
28	16.4	22.3	18.3	82.4	17.43	15.3	0.8	0.0	0.8	0.2
29	15.1	25.0	19.2	76.1	16.70	14.6	0.1	0.0	0.1	4.0
30	15.3	26.5	20.4	72.9	16.76	14.9	0.0	4.8	4.8	5.2
31	16.6	25.0	19.6	77.9	17.34	15.1	0.0	11.2	11.2	5.0
PROM	15.5	24.1	18.9	79.4	17.02	14.9	40.7	96.3	137.0	120.4

ESTACION: MIGUEL VALENCIA MUNICIPIO: JARDIN AÑO: 1.989

ALTITUD: 1.570 LATITUD: 5-32 N. LONGITUD: 75-51 W.

M E S – NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.8	22.4	17.5	77.2	15.38	13.2	0.0	0.0	0.0	0.0
2	15.2	23.0	18.3	77.0	15.75	13.5	0.7	0.0	0.7	1.4
3	16.0	23.4	18.4	75.5	15.66	13.4	0.7	0.0	0.7	3.5
4	15.8	23.2	17.8	85.0	17.46	15.4	1.2	0.0	1.2	1.8
5	15.7	25.1	18.7	75.5	16.04	13.5	0.3	0.0	0.3	5.5
6	15.6	25.8	19.2	72.4	15.52	13.3	0.0	5.7	5.7	5.1
7	16.8	24.9	19.0	83.8	16.40	16.2	0.2	1.1	1.3	4.3
8	16.7	25.5	19.6	74.3	16.59	14.5	0.0	0.0	0.0	5.4
9	16.0	26.0	18.9	72.7	15.39	13.2	0.0	0.0	0.0	8.3
10	16.3	25.0	19.3	76.6	16.99	14.5	1.0	0.6	1.6	5.3
11	15.5	22.4	18.0	86.2	17.94	15.8	3.0	3.2	6.2	2.0
12	14.8	24.1	18.6	78.4	16.22	14.0	0.6	1.2	1.8	5.4
13	16.6	24.0	19.5	75.5	16.51	14.2	0.0	0.0	0.0	2.1
14	16.2	25.0	19.5	76.0	16.78	14.6	0.9	0.0	0.9	6.1
15	16.0	25.1	19.9	76.6	17.20	15.0	0.0	0.0	0.0	3.7
16	15.2	25.0	19.8	79.4	16.05	15.9	0.0	26.3	26.3	6.2
17	16.1	24.7	19.0	76.4	16.43	14.2	0.0	0.0	0.0	2.8
18	17.2	26.0	20.5	74.6	17.50	15.2	0.0	1.5	1.5	6.8
19	17.1	26.4	20.5	73.0	17.19	15.0	0.0	0.0	0.0	8.5
20	16.0	27.2	19.6	74.9	16.59	14.5	17.0	38.9	55.9	6.0
21	15.2	21.6	18.6	81.1	17.26	15.2	0.0	0.0	0.0	0.2
22	15.5	24.1	19.3	80.6	17.57	15.3	0.5	0.7	1.2	3.3
23	17.5	25.1	20.8	76.7	18.39	15.9	0.0	0.0	0.0	5.1
24	17.6	25.4	19.8	73.3	16.62	14.4	0.9	0.0	0.9	2.6
25	15.5	25.0	18.6	81.5	17.27	15.2	24.5	0.0	24.5	2.1
26	14.6	25.8	19.1	77.8	16.82	14.8	0.0	0.0	0.0	6.2
27	15.6	25.5	19.6	77.6	17.21	15.1	0.0	0.0	0.0	7.0
28	15.9	26.1	21.0	76.5	18.34	16.0	0.0	15.8	15.8	5.3
29	16.8	24.2	19.8	79.4	17.94	15.7	0.0	5.3	5.3	1.0
30	17.1	24.0	20.2	80.0	18.61	16.3	0.0	3.1	3.1	3.3
PROM.	16.1	24.7	19.3	77.5	16.99	14.8	51.5	103.4	154.9	126.3

M E S – DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.9	25.0	18.9	80.6	17.58	15.5	0.3	0.0	0.3	3.4
2	15.7	22.0	17.7	86.0	17.38	15.3	0.0	0.0	0.0	0.7
3	14.0	25.0	18.6	77.3	15.98	13.9	0.0	0.6	0.6	7.2
4	16.0	22.5	18.6	81.7	17.17	15.0	0.9	0.1	1.0	0.4
5	15.9	23.0	18.6	82.3	17.29	15.2	1.0	1.2	2.2	1.0
6	16.0	26.0	19.5	73.9	15.99	13.7	0.0	0.0	0.0	6.3
7	15.8	26.1	19.7	73.5	16.30	14.1	0.0	0.0	0.0	8.8
8	15.7	26.0	19.1	74.0	15.96	13.8	0.0	0.0	0.0	7.4
9	14.8	26.1	19.7	75.7	16.65	14.4	0.0	0.0	0.0	6.0
10	16.5	24.0	19.9	81.1	18.57	16.3	0.4	2.2	2.6	4.6
11	15.9	26.0	19.0	76.3	16.31	14.2	0.0	7.1	7.1	3.8
12	16.0	25.9	19.1	78.2	16.97	14.9	0.0	1.2	1.2	5.8
13	17.4	25.4	20.0	75.5	17.30	15.0	0.0	0.0	0.0	6.6
14	17.1	24.4	19.9	75.5	17.31	15.1	0.0	0.0	0.0	1.2
15	15.2	25.8	18.6	79.7	16.76	14.6	0.0	0.0	0.0	8.1
16	13.0	26.1	18.7	73.2	14.92	12.8	0.0	0.0	0.0	7.9
17	14.9	26.3	19.8	73.1	16.17	14.0	0.0	0.0	0.0	8.5
18	15.8	25.8	19.0	73.4	15.79	13.7	0.0	0.0	0.0	8.5
19	13.8	26.9	19.8	68.3	14.73	12.4	0.0	0.0	0.0	9.1
20	14.0	26.4	19.1	71.4	14.75	12.5	0.0	0.0	0.0	8.0
21	16.0	26.0	19.8	71.8	16.25	14.1	0.0	0.0	0.0	7.0
22	14.4	26.1	20.0	74.7	16.82	14.7	0.0	0.0	0.0	9.2
23	15.0	22.9	18.4	90.4	15.08	16.7	3.6	1.4	5.0	2.1
24	14.2	23.2	18.8	78.5	16.73	14.6	0.0	5.1	5.1	2.4
25	16.1	25.2	19.9	75.4	16.81	14.6	3.2	67.4	70.6	2.3
26	15.7	25.0	19.8	71.8	15.85	13.7	0.0	0.0	0.0	3.9
27	15.8	25.5	19.7	72.4	16.05	13.9	0.0	0.0	0.0	5.7
28	16.0	24.2	19.3	74.5	16.24	14.1	0.0	0.0	0.0	2.0
29	16.0	26.2	19.7	70.5	15.52	13.3	0.0	0.0	0.0	8.5
30	14.9	25.5	18.8	70.6	14.73	12.5	0.0	0.0	0.0	9.0
31	15.7	25.0	18.5	71.4	14.78	12.7	0.0	0.0	0.0	6.3
PROM	15.5	25.1	19.2	75.5	16.41	14.2	9.4	86.3	95.7	171.7

ESTACION: MIGUEL VALENCIA MUNICIPIO: JARDIN AÑO: 1.989

ALTITUD: 1.570 LATITUD: 5-32 N. LONGITUD: 75-51 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocio °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	15.6	23.7	18.8	14.6	26.8	79.7	16.91	14.7	148.3	21	
FEBRERO	15.4	23.9	18.8	12.3	26.3	78.4	16.60	14.4	99.7	19	
MARZO	15.3	24.9	19.1	13.0	27.3	75.6	16.18	14.0	126.9	20	
ABRIL	16.2	26.1	20.4	14.4	27.9	75.0	17.42	15.2	141.6	23	151.2
MAYO	15.4	25.0	19.4	13.2	26.2	78.2	17.19	15.0	213.5	23	132.4
JUNIO	15.3	24.8	19.2	13.5	26.8	78.1	16.91	14.8	299.7	24	169.2
JULIO	14.9	25.3	19.2	12.4	27.2	75.2	16.18	14.0	108.5	17	183.3
AGOSTO	15.5	25.0	19.5	13.0	26.8	75.0	16.40	14.2	258.2	26	
SEPTIEMBRE	15.8	24.3	19.1	14.0	27.0	78.5	17.07	14.9	296.0	26	124.9
OCTUBRE	15.5	24.1	18.9	13.8	26.5	79.4	17.02	14.9	137.0	31	120.4
NOVIEMBRE	16.1	24.7	19.3	14.6	27.2	77.5	16.99	14.8	154.9	19	126.3
DICIEMBRE	15.5	25.1	19.2	13.0	26.9	75.5	16.41	14.2	95.7	10	171.7
PROMEDIO	15.5	24.7	19.2	13.5	27.1	77.2	16.77	14.6			
TOTAL									2080.0	259	

ESTACION: BERTHA MUNICIPIO: MONIQUIRA AÑO: 1.989

ALTITUD: 1.700 LATITUD: 5-52 N. LONGITUD: 73-24 W.

M E S – ENERO

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.5	23.8	18.3	85.4	17.88	15.7	16.0	7.6	23.6	2.8
2	15.0	23.7	18.7	83.0	17.60	15.5	0.0	0.2	0.2	2.3
3	15.1	25.5	18.5	82.8	17.61	15.5	3.0	33.8	36.8	4.0
4	14.0	26.0	18.5	82.4	17.62	15.5	0.9	0.0	0.9	5.3
5	14.5	24.8	18.8	83.4	18.10	15.9	0.1	0.0	0.1	3.8
6	14.0	25.0	18.9	80.1	17.20	15.1	0.0	0.4	0.4	4.2
7	14.2	26.5	19.5	76.1	16.86	14.8	0.0	0.0	0.0	7.0
8	11.0	27.2	16.5	80.4	14.96	12.9	0.0	0.3	0.3	7.2
9	14.5	25.0	18.5	77.9	16.35	14.3	0.0	0.0	0.0	5.0
10	12.5	24.5	17.7	80.0	15.97	14.0	0.0	0.0	0.0	3.9
11	11.0	26.8	18.3	76.4	15.16	13.0	0.0	0.0	0.0	7.3
12	12.8	25.5	17.9	76.8	14.99	12.9	0.0	0.0	0.0	4.1
13	12.5	24.2	17.4	82.8	16.26	14.3	0.4	4.3	4.7	0.7
14	13.5	25.5	17.4	82.7	16.29	14.3	10.7	0.0	10.7	4.4
15	9.5	26.8	18.0	79.8	15.81	13.6	0.0	41.4	41.4	7.4
16	11.0	27.0	17.5	83.1	16.53	14.4	2.3	0.1	2.4	5.5
17	13.0	24.2	18.1	84.4	17.35	15.2	0.7	0.0	0.7	3.1
18	11.5	25.0	18.6	82.9	17.42	15.2	0.0	0.1	0.1	5.5
19	12.5	26.8	19.3	76.4	16.10	14.0	0.2	0.0	0.2	4.8
20	10.0	25.8	18.5	80.2	16.44	14.3	0.2	1.4	1.6	4.8
21	12.4	25.0	17.6	84.8	16.94	14.8	1.7	0.4	2.1	3.8
22	13.2	27.5	17.6	85.3	17.15	15.1	6.3	0.0	6.3	4.8
23	9.5	26.6	17.1	79.6	14.93	12.8	0.6	0.0	0.6	6.6
24	10.0	26.5	18.6	79.2	16.29	14.1	0.1	1.1	1.2	7.9
25	15.0	26.8	19.1	83.0	18.30	16.1	1.0	26.4	27.4	4.8
26	16.0	26.9	19.6	82.3	18.72	16.4	0.5	0.0	0.5	5.7
27	16.5	25.4	19.3	83.8	18.92	16.6	0.0	0.0	0.0	5.8
28	15.5	26.2	19.1	82.8	18.27	16.1	0.0	0.0	0.0	5.7
29	14.5	27.0	18.4	77.3	16.04	14.0	0.0	0.0	0.0	7.3
30	12.3	26.5	19.3	77.1	16.75	14.6	0.0	0.0	0.0	6.3
31	16.0	26.8	20.1	78.2	18.64	16.4	0.0	2.1	2.1	7.6
PROM.	13.1	25.8	18.4	81.0	16.89	14.8	44.7	119.6	164.3	159.4

M E S – FEBRERO

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	27.0	20.3	76.2	17.77	15.7	0.0	0.1	0.1	6.4
2	13.5	26.2	19.5	80.6	17.86	15.7	0.0	4.4	4.4	5.8
3	15.5	24.5	19.6	80.2	18.20	16.0	0.0	1.2	1.2	1.5
4	14.5	25.0	18.3	82.2	17.18	15.1	1.9	0.0	1.9	3.0
5	13.5	27.0	18.7	77.0	15.96	13.9	0.0	0.0	0.0	7.1
6	11.5	25.5	18.3	83.6	17.21	15.0	0.0	6.9	6.9	5.0
7	15.0	26.2	18.7	81.6	17.45	15.4	0.0	0.4	0.4	5.1
8	12.5	27.0	18.7	78.5	16.22	14.1	0.0	0.0	0.0	7.9
9	14.5	25.7	20.0	77.5	17.70	15.6	0.0	0.0	0.0	6.1
10	15.0	25.5	19.5	80.3	18.04	15.9	0.0	0.0	0.0	5.9
11	14.8	27.0	19.7	72.4	15.79	13.6	0.0	0.0	0.0	7.3
12	14.0	25.8	18.7	81.7	17.33	15.2	3.0	0.5	3.5	6.9
13	12.0	26.0	18.2	81.2	16.53	14.4	0.9	0.0	0.9	5.1
14	14.0	26.3	19.2	74.6	15.77	13.7	0.0	0.0	0.0	7.8
15	14.0	25.2	18.6	75.0	15.57	13.6	0.0	0.0	0.0	8.0
16	12.5	26.4	16.8	77.6	14.89	12.9	0.0	0.0	0.0	9.0
17	8.0	26.3	17.1	75.3	13.84	11.7	0.0	0.0	0.0	9.0
18	11.5	27.5	18.8	78.1	16.19	14.0	0.7	1.0	1.7	7.5
19	10.0	26.6	18.4	80.7	16.47	14.3	0.6	6.2	6.8	5.8
20	14.5	24.8	19.6	80.3	17.85	15.7	0.1	13.6	13.7	4.2
21	13.5	25.0	19.5	80.8	17.69	15.5	0.7	0.8	1.5	4.7
22	12.5	23.4	18.0	82.3	16.45	14.4	0.0	9.3	9.3	3.2
23	15.0	23.7	17.5	85.5	17.29	15.2	1.0	0.1	1.1	1.1
24	13.0	24.6	17.8	83.6	17.03	15.0	0.0	0.0	0.0	5.9
25	15.4	25.0	18.8	84.5	18.19	16.0	1.9	20.8	22.7	3.0
26	14.9	25.1	18.9	84.8	18.44	16.2	19.4	0.0	19.4	1.7
27	16.0	25.8	20.3	71.8	16.69	14.6	0.0	0.0	0.0	4.4
28	12.0	27.6	20.2	70.1	15.31	13.2	2.1	0.0	2.1	8.6
PROM	13.5	25.8	18.8	79.2	16.82	14.7	32.3	65.3	97.6	157.0

ESTACION: BERTHA MUNICIPIO: MONIQUIRA AÑO: 1.969

ALTITUD: 1.700 LATITUD: 5-52 N. LONGITUD: 73-24 W.

M E S – MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	10.4	28.5	19.5	74.2	15.49	13.1	0.0	0.0	0.0	
2	12.3	28.3	19.8	77.4	17.08	14.5	5.6	4.6	10.2	8.0
3	13.4	26.0	19.6	82.4	18.36	16.1	0.0	0.0	0.0	4.0
4	14.2	27.5	18.5	80.9	17.00	15.0	20.7	1.4	22.1	5.4
5	14.6	24.7	19.1	82.7	17.87	15.7	0.7	0.1	0.8	1.4
6	15.4	27.4	19.3	80.8	17.96	15.8	0.7	0.0	0.7	6.8
7	12.9	26.0	19.0	81.0	17.38	15.2	0.0	0.0	0.0	5.2
8	13.8	23.0	18.1	85.2	17.53	15.4	0.7	7.1	7.8	1.6
9	15.2	26.2	19.8	78.4	17.78	15.7	0.0	0.0	0.0	5.3
10	15.5	26.3	19.4	80.8	18.07	15.9	0.0	0.0	0.0	3.8
11	15.6	24.4	19.4	80.8	18.01	15.9	0.0	3.6	3.6	2.8
12	16.0	24.6	18.7	84.7	18.11	16.0	0.5	9.0	9.5	1.5
13	15.6	21.0	17.5	94.7	18.98	16.7	16.5	2.6	19.1	0.0
14	15.3	25.8	18.7	83.2	17.82	15.7	0.4	0.9	1.3	4.1
15	14.8	26.3	19.1	81.7	17.96	15.8	0.0	0.0	0.0	3.7
16	15.3	24.5	18.4	83.0	17.39	15.3	3.2	0.0	3.2	0.4
17	13.5	26.4	18.7	82.6	17.44	15.3	0.0	0.0	0.0	5.8
18	12.0	26.2	19.1	79.5	17.18	15.1	0.0	0.0	0.0	6.6
19	12.1	25.3	18.8	83.0	17.73	15.6	0.0	0.2	0.2	6.1
20	14.9	25.2	18.8	81.8	17.92	15.7	0.0	0.0	0.0	4.3
21	14.0	26.6	19.4	82.2	18.19	16.0	0.0	0.0	0.0	6.6
22	13.4	25.3	18.8	80.6	17.20	15.1	0.0	0.0	0.0	4.5
23	12.0	26.0	17.7	78.2	15.31	13.3	0.4	0.0	0.4	1.5
24	12.4	27.2	18.9	76.1	16.09	14.1	0.0	0.0	0.0	7.1
25	11.4	26.6	18.8	75.6	15.74	13.7	0.0	0.0	0.0	6.2
26	10.3	27.3	18.8	74.7	15.40	13.3	0.0	0.0	0.0	7.9
27	11.5	27.0	19.1	74.2	15.71	13.7	0.0	0.0	0.0	7.6
28	12.2	25.8	17.6	80.7	16.02	14.0	0.0	0.8	0.8	5.1
29	12.0	20.8	16.3	88.2	16.44	14.4	0.6	0.0	0.6	0.0
30	9.0	27.5	17.7	76.8	14.95	12.8	0.0	0.0	0.0	8.8
31	11.6	27.2	18.7	80.0	16.88	14.8	7.5	2.4	9.9	6.6
PROM.	13.3	25.8	18.7	80.8	17.13	15.0	57.5	32.7	90.2	

M E S – ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.3	25.4	19.1	81.7	17.85	15.7	4.5	0.6	5.1	1.8
2	15.4	25.3	18.5	84.0	18.11	16.0	0.3	9.5	9.8	1.6
3	14.4	27.5	18.4	85.0	18.02	15.8	0.0	6.4	6.4	3.5
4	12.8	24.4	16.5	86.5	16.28	14.3	2.8	0.3	3.1	2.0
5	12.0	27.1	19.0	84.3	18.56	16.2	0.9	0.1	1.0	4.0
6	11.0	26.4	17.8	82.4	16.61	14.5	0.6	0.0	0.6	5.4
7	11.4	28.3	19.8	76.9	16.69	14.4	0.3	8.7	9.0	6.2
8	14.2	28.6	20.9	75.4	17.70	15.5	0.0	5.9	5.9	7.7
9	14.0	27.8	20.0	78.2	17.37	15.1	0.0	0.9	0.9	4.6
10	14.6	28.0	18.8	81.0	17.42	15.4	12.0	0.0	12.0	6.4
11	11.3	28.7	19.4	77.3	16.66	14.5	0.0	1.0	1.0	9.9
12	15.7	26.9	19.2	81.7	18.63	16.4	1.9	6.3	8.2	4.0
13	14.2	26.0	19.4	82.4	18.31	16.1	0.0	1.9	1.9	0.8
14	14.6	26.1	19.8	83.4	19.18	16.8	0.0	0.4	0.4	1.7
15	15.5	27.6	19.9	82.0	18.75	16.5	7.1	0.0	7.1	4.8
16	15.0	28.2	19.0	79.7	17.38	15.3	1.8	2.7	4.5	7.4
17	11.5	27.6	18.9	78.7	16.45	14.3	0.0	2.6	2.6	9.0
18	11.4	29.0	20.2	75.5	17.00	14.8	0.0	0.8	0.8	9.7
19	12.5	28.0	20.5	78.1	18.19	15.9	0.0	0.0	0.0	8.4
20	12.8	27.5	20.1	82.0	19.07	16.7	0.0	0.0	0.0	7.1
21	12.6	28.4	19.6	82.5	18.29	16.0	0.0	0.0	0.0	4.0
22	14.3	26.2	20.1	81.3	18.97	16.6	0.0	0.1	0.1	2.3
23	16.4	25.8	19.3	86.8	19.67	17.3	18.6	0.0	18.6	2.0
24	13.6	27.8	19.5	80.6	17.83	15.7	0.0	2.0	2.0	4.6
25	12.7	29.0	21.2	74.7	17.87	15.6	0.0	1.4	1.4	7.6
26	14.7	28.0	20.1	83.1	19.55	17.1	1.0	20.9	21.9	3.3
27	15.7	27.5	20.2	77.8	18.31	16.1	0.0	0.0	0.0	5.0
28	14.6	27.6	20.2	80.7	18.77	16.4	0.0	0.0	0.0	5.1
29	12.8	25.7	20.4	81.9	19.24	16.9	0.0	0.3	0.3	3.5
30	12.4	29.6	20.3	75.7	16.98	14.9	3.3	0.0	3.3	6.1
PROM	13.6	27.3	19.5	80.7	17.99	15.8	55.1	72.8	127.9	149.5

ESTACION: BERTHA MUNICIPIO: MONIQUIRA AÑO: 1.989

ALTITUD: 1.700 LATITUD: 5-52 N. LONGITUD: 73-24 W.

M E S - MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	12.5	25.7	18.3	84.5	17.96	15.8	7.8	0.0	7.8	4.1
2	12.4	26.5	18.7	83.9	18.20	16.0	5.4	3.2	8.6	5.8
3	15.0	27.4	19.5	81.6	18.33	16.1	0.0	0.0	0.0	3.4
4	11.5	26.8	18.7	84.1	17.62	15.4	0.2	11.5	11.7	7.2
5	13.4	28.0	20.3	80.2	18.98	16.6	0.0	0.5	0.5	6.9
6	14.5	25.5	18.9	80.4	17.41	15.3	2.4	0.0	2.4	1.6
7	14.0	26.5	18.9	85.4	18.63	16.4	21.5	0.6	22.1	3.8
8	15.0	23.2	17.5	88.0	17.75	15.6	6.2	1.5	7.7	1.2
9	15.5	27.0	18.4	82.2	17.41	15.3	39.2	3.3	42.5	4.7
10	11.5	25.3	18.4	86.2	18.38	16.1	0.1	0.0	0.1	4.0
11	13.6	28.6	19.0	78.1	16.62	14.6	10.5	9.1	19.6	6.9
12	11.5	26.5	17.7	82.5	16.96	14.9	18.1	0.0	18.1	6.5
13	12.8	23.8	17.9	91.4	18.76	16.4	6.8	0.0	6.8	2.7
14	14.6	27.4	19.5	82.2	18.59	16.3	4.9	3.4	8.3	5.4
15	14.0	26.7	18.4	80.7	16.66	14.6	1.4	0.0	1.4	5.7
16	9.5	28.0	19.3	78.6	16.92	14.8	0.0	0.0	0.0	9.2
17	10.4	27.5	19.1	73.3	15.42	13.4	0.0	0.0	0.0	6.6
18	12.6	26.6	19.2	79.8	17.21	15.0	11.2	0.2	11.4	5.9
19	9.8	27.5	19.3	81.0	18.36	16.1	6.0	0.0	6.0	6.6
20	13.5	26.2	20.2	77.4	17.66	15.5	0.0	0.0	0.0	6.3
21	10.6	26.4	19.4	81.1	17.78	15.6	0.0	0.0	0.0	2.4
22	14.0	26.8	19.5	74.5	16.32	14.3	2.2	0.0	2.2	4.4
23	13.8	23.7	18.1	89.7	18.47	16.1	1.7	0.0	1.7	2.1
24	16.0	23.0	18.7	89.6	19.44	17.1	2.6	0.1	2.7	1.6
25	16.1	22.7	17.9	89.9	18.94	16.6	10.3	1.3	11.6	1.5
26	13.5	21.8	17.5	92.9	18.35	16.1	1.5	0.0	1.5	0.6
27	12.0	28.0	18.2	83.4	17.52	15.4	18.0	0.3	18.3	5.4
28	13.0	23.7	18.9	85.2	18.53	16.3	3.5	0.3	3.8	1.2
29	12.5	24.4	18.1	85.0	17.53	15.4	3.9	7.0	10.9	3.5
30	14.4	26.8	19.1	82.7	18.29	16.1	0.7	0.1	0.8	3.6
31	11.8	26.0	19.3	85.5	19.06	16.7	0.0	0.0	0.0	4.9
PROM.	13.1	25.9	18.8	83.3	17.87	15.7	186.1	42.4	228.5	135.7

M E S - JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	11.0	27.5	19.7	75.8	16.38	14.2	0.0	0.0	0.0	4.7
2	15.0	25.4	19.3	86.5	19.35	17.0	2.0	5.2	7.2	3.7
3	15.5	21.0	18.2	89.3	18.65	16.4	0.0	0.0	0.0	5.1
4	12.5	25.0	18.5	81.1	17.24	15.1	2.3	1.9	4.2	2.0
5	14.0	25.5	17.6	89.9	18.13	15.9	0.7	0.0	0.7	4.2
6	13.5	24.5	17.7	93.2	19.17	16.8	23.3	3.3	26.6	5.0
7	14.5	26.7	18.7	85.1	18.21	16.0	0.0	0.0	0.0	3.6
8	12.4	27.0	20.0	80.5	18.87	16.5	1.1	0.0	1.1	7.6
9	11.8	25.7	18.1	83.5	16.94	14.8	7.4	0.0	7.4	5.3
10	11.5	25.6	18.4	87.4	18.35	16.0	5.1	0.6	5.7	6.0
11	15.5	24.8	18.1	87.6	18.53	16.3	6.0	0.3	6.3	3.2
12	13.8	25.4	18.8	83.6	17.88	15.7	0.0	0.3	0.3	3.4
13	13.5	24.3	17.9	83.4	16.93	14.9	3.9	2.0	5.9	0.3
14	14.5	27.5	19.5	76.5	16.64	14.6	0.0	0.0	0.0	2.9
15	13.6	28.9	20.1	69.6	15.66	13.5	0.0	0.0	0.0	7.8
16	7.6	27.8	18.0	67.8	13.04	10.5	0.0	0.0	0.0	8.1
17	12.4	24.3	18.0	83.2	17.17	15.0	0.0	1.2	1.2	2.7
18	13.6	25.4	18.2	90.7	19.13	16.8	2.3	0.0	2.3	4.6
19	13.5	24.8	17.9	82.9	16.68	14.6	10.5	4.3	14.8	3.3
20	13.7	24.5	18.4	86.9	18.37	16.1	7.0	0.0	7.0	4.8
21	12.0	25.5	17.5	87.3	17.72	15.6	21.8	0.1	21.9	4.7
22	13.7	25.2	18.9	86.8	18.65	16.3	0.0	0.5	0.5	9.6
23	15.1	26.7	17.4	81.0	16.40	14.4	47.0	0.0	47.0	3.4
24	12.5	27.3	18.2	84.4	17.44	15.3	1.4	0.0	1.4	3.3
25	14.2	23.2	16.4	96.6	17.87	15.7	30.9	0.0	30.9	2.0
26	10.5	25.0	16.9	85.0	16.14	14.0	4.1	0.0	4.1	0.5
27	14.0	25.6	19.0	80.6	17.42	15.3	0.0	0.0	0.0	8.5
28	12.4	26.4	19.2	79.8	17.62	15.5	0.2	0.0	0.2	8.0
29	11.0	27.3	19.0	77.8	16.61	14.5	0.0	4.3	4.3	5.6
30	11.5	26.0	17.3	81.5	15.92	13.9	5.9	0.9	6.8	6.7
PROM	13.0	25.7	18.4	83.5	17.44	15.2	182.9	24.5	207.8	147.2

ESTACION: BERTHA MUNICIPIO: MONIQUIRA AÑO: 1.989

ALTITUD: 1.700 LATITUD: 5-52 N. LONGITUD: 73-24 W.

M E S - JULIO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	11.9	25.7	16.6	87.3	16.22	14.2	8.1	4.3	12.4	5.1
2	13.0	26.0	19.3	78.9	16.98	14.8	0.0	0.0	0.0	6.9
3	12.5	27.2	18.8	76.9	15.87	13.8	0.0	0.0	0.0	7.7
4	11.5	26.2	18.1	78.5	15.82	13.8	0.2	0.0	0.2	6.2
5	12.8	25.2	17.7	83.4	17.14	15.1	24.9	0.0	24.9	2.3
6	12.4	25.7	18.6	81.0	16.83	14.7	3.2	0.0	3.2	4.3
7	14.4	24.2	17.4	88.2	17.77	15.6	5.7	0.0	5.7	4.0
8	12.6	24.4	17.4	85.5	17.14	15.1	0.0	0.0	0.0	5.8
9	12.5	24.6	18.7	81.1	17.61	15.5	0.0	0.0	0.0	5.5
10	10.0	26.5	17.6	68.8	13.12	11.0	0.0	0.0	0.0	7.1
11	9.3	26.4	17.0	68.7	12.50	10.2	0.0	0.0	0.0	4.9
12	11.5	25.0	18.2	68.1	13.78	11.7	0.0	0.0	0.0	5.3
13	10.4	26.5	19.6	76.9	17.11	15.0	0.0	0.0	0.0	3.2
14	11.8	29.2	19.9	66.5	14.33	12.3	0.0	0.0	0.0	9.3
15	12.8	26.5	21.8	57.5	15.01	13.0	0.0	1.3	1.3	6.3
16	14.0	26.4	19.5	68.3	15.47	13.4	0.0	0.0	0.0	3.8
17	11.2	25.8	17.9	80.7	16.36	14.4	0.7	0.0	0.7	4.5
18	11.4	25.6	18.8	82.9	17.50	15.3	0.4	0.0	0.4	3.2
19	12.0	24.9	17.3	83.4	16.18	14.2	7.1	0.0	7.1	2.3
20	13.4	25.2	18.6	85.6	18.45	16.2	16.8	0.0	16.8	3.2
21	11.0	24.1	18.2	86.9	17.95	15.7	4.7	0.2	4.9	3.6
22	15.0	23.2	17.7	87.4	17.95	15.8	3.1	0.0	3.1	3.2
23	10.4	25.4	19.0	82.6	17.90	15.7	1.8	0.0	1.8	4.7
24	14.5	25.5	18.2	83.2	17.57	15.5	0.3	0.0	0.3	2.5
25	12.3	24.0	17.0	85.6	16.96	14.9	9.3	0.0	9.3	3.4
26	12.0	25.6	17.4	84.7	16.83	14.8	1.4	0.0	1.4	1.8
27	11.8	26.0	19.3	77.7	17.17	15.0	0.0	0.3	0.3	5.7
28	13.6	25.8	18.9	80.6	17.27	15.2	1.7	0.0	1.7	6.8
29	13.2	27.6	20.0	77.2	17.94	15.8	7.7	9.4	17.1	7.2
30	13.0	29.1	20.4	76.9	17.72	15.5	0.0	0.0	0.0	7.1
31	15.1	27.5	20.4	78.5	17.97	15.6	0.3	5.3	5.6	7.7
PROM.	12.4	25.8	18.6	79.0	16.59	14.5	97.4	20.8	118.2	154.6

M E S - AGOSTO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	13.8	26.5	19.3	74.6	16.18	14.2	0.0	0.0	0.0	6.9
2	10.0	27.6	18.0	72.4	14.62	12.6	0.0	0.0	0.0	4.3
3	9.0	26.4	19.2	77.8	16.64	14.5	0.0	1.0	1.0	6.4
4	11.5	26.2	19.4	81.8	16.05	15.8	0.0	3.9	3.9	5.4
5	11.0	27.5	20.0	75.0	16.76	14.5	0.0	8.7	8.7	3.8
6	13.8	25.6	18.3	76.6	15.67	13.6	0.0	0.0	0.0	4.6
7	9.6	26.5	18.6	85.4	17.80	15.5	7.9	15.4	23.3	6.2
8	10.8	27.8	18.8	79.2	16.80	14.7	2.0	8.7	10.7	7.1
9	11.6	26.2	16.5	89.7	16.98	14.9	2.4	0.0	2.4	4.9
10	12.5	25.5	18.1	82.5	17.15	15.0	7.2	3.2	10.4	2.6
11	14.4	24.6	19.0	86.0	18.65	16.4	0.0	0.0	0.0	2.3
12	12.5	26.5	18.9	83.8	17.58	15.4	0.0	0.0	0.0	6.0
13	14.0	26.6	19.6	82.2	18.43	16.2	2.9	0.1	3.0	5.0
14	12.6	24.6	18.0	86.1	17.52	15.3	7.9	0.1	8.0	2.0
15	12.5	24.5	17.6	86.0	17.30	15.2	2.6	0.2	2.8	4.6
16	11.8	26.2	18.6	80.6	16.89	14.8	0.0	0.0	0.0	1.3
17	12.8	25.2	18.6	84.0	17.90	15.7	0.0	0.0	0.0	1.8
18	12.4	27.5	20.4	83.6	20.05	17.4	0.5	0.0	0.5	7.1
19	13.6	28.8	19.0	80.4	17.25	15.1	0.4	0.0	0.4	6.6
20	14.0	26.6	20.3	80.3	18.76	16.5	0.0	27.8	27.8	7.8
21	13.0	27.6	18.6	79.9	17.00	15.0	6.4	6.3	12.7	7.2
22	13.4	28.6	19.3	77.9	16.83	14.7	0.0	0.0	0.0	8.3
23	13.8	27.5	19.3	76.7	16.88	14.8	0.0	0.0	0.0	3.2
24	13.5	28.0	18.1	80.8	16.90	14.9	7.4	1.8	9.2	4.9
25	12.8	26.4	19.0	79.8	17.35	15.2	0.6	0.1	0.7	4.9
26	13.0	26.3	19.1	83.0	17.98	15.8	3.5	10.9	14.4	5.2
27	14.5	28.2	19.0	81.6	17.90	15.7	14.0	23.0	37.0	8.5
28	13.8	26.4	19.0	82.2	17.95	15.8	14.8	12.1	26.9	4.7
29	15.4	26.0	19.6	78.8	17.37	15.2	4.1	10.8	14.9	2.1
30	14.4	24.7	18.6	85.1	18.37	16.1	1.1	28.8	29.9	2.6
31	14.0	27.0	20.0	80.2	18.39	16.1	0.7	0.0	0.7	6.3
PROM	12.8	26.6	18.9	81.1	17.42	15.2	86.4	162.9	249.3	154.6

ESTACION: BERTHA MUNICIPIO: MONIQUIRA AÑO: 1.989

ALTITUD: 1.700 LATITUD: 5-52 N. LONGITUD: 73-24 W.

M E S – SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	11.2	27.4	17.4	83.4	16.55	14.5	23.1	0.4	23.5	7.3
2	13.7	28.5	20.1	76.9	17.56	15.4	0.0	1.3	1.3	6.6
3	13.6	28.6	20.2	77.2	17.65	15.4	0.0	4.7	4.7	8.1
4	14.7	27.0	19.6	79.5	17.97	15.8	0.0	0.0	0.0	5.0
5	13.5	26.9	18.9	78.6	17.07	15.0	0.0	0.3	0.3	6.3
6	16.0	24.9	19.3	81.4	18.12	15.9	2.7	1.6	4.3	2.2
7	15.5	26.0	19.3	81.4	18.04	15.9	2.9	0.0	2.9	4.6
8	13.0	25.6	18.4	80.8	16.84	14.8	0.9	0.0	0.9	5.4
9	13.4	25.8	17.4	81.8	16.35	14.3	22.9	7.9	30.8	4.3
10	14.5	25.0	18.5	78.6	16.44	14.4	0.7	0.0	0.7	2.8
11	14.6	24.9	18.4	87.7	18.57	16.3	0.4	5.9	6.3	4.5
12	13.8	26.8	19.4	77.5	17.06	14.9	7.9	18.8	26.7	6.8
13	12.5	27.0	18.0	78.5	15.91	13.9	25.0	1.0	26.0	6.2
14	13.0	26.5	19.4	80.5	17.77	15.6	1.7	0.5	2.2	4.3
15	13.1	28.1	19.6	77.0	16.84	14.7	1.1	2.6	3.7	7.1
16	13.4	25.8	19.4	76.4	16.56	14.5	0.0	0.0	0.0	4.9
17	10.5	28.5	19.1	73.3	14.98	12.8	0.0	4.0	4.0	6.4
18	15.0	24.2	18.5	81.3	17.26	15.2	1.5	1.4	2.9	1.9
19	13.4	24.0	18.4	82.0	17.00	14.9	4.2	0.0	4.2	3.8
20	14.3	21.8	17.6	86.5	17.48	15.4	1.1	0.0	1.1	0.4
21	14.5	24.8	18.2	83.5	17.71	15.6	31.0	4.7	35.7	3.6
22	14.0	25.8	19.0	80.3	17.52	15.4	1.5	1.4	2.9	3.5
23	14.4	27.5	20.4	79.4	18.44	16.1	3.0	3.6	6.6	6.7
24	12.5	27.0	19.0	77.3	16.35	14.3	0.0	0.0	0.0	8.7
25	15.0	25.8	19.5	77.9	17.32	15.2	0.4	2.9	3.3	7.3
26	14.5	26.1	18.7	81.3	17.38	15.3	3.9	0.0	3.9	1.1
27	13.0	24.6	17.6	84.3	17.00	14.9	9.6	9.0	18.6	3.9
28	15.0	26.5	18.3	78.4	16.61	14.6	30.8	20.5	51.3	4.9
29	14.6	26.0	19.1	76.0	16.11	14.0	1.8	0.1	1.9	4.7
30	12.4	26.1	18.7	76.9	16.02	13.9	0.9	0.1	1.0	6.7
PROM.	13.8	26.1	18.8	79.9	17.08	15.0	179.0	92.7	271.7	150.0

M E S – OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	13.0	27.0	18.8	78.7	16.52	14.4	2.6	13.3	15.9	6.8
2	13.6	23.0	17.6	85.3	17.19	15.1	24.6	0.0	24.6	0.5
3	14.5	24.2	18.6	79.3	16.74	14.7	0.1	1.0	1.1	3.4
4	15.0	25.0	17.8	82.2	16.80	14.8	17.2	0.1	17.3	4.0
5	14.3	25.8	18.6	70.6	14.47	12.4	0.0	0.0	0.0	5.0
6	12.5	27.5	17.4	81.5	16.27	14.2	6.8	0.2	7.0	5.8
7	10.5	25.8	17.7	76.7	15.16	13.2	1.9	0.0	1.9	6.9
8	10.5	25.8	17.4	80.8	15.58	13.5	6.5	20.1	26.6	4.9
9	14.0	23.5	18.2	87.0	16.09	15.9	0.9	0.0	0.9	2.2
10	14.2	24.0	17.9	82.9	17.26	15.2	3.1	2.0	5.1	3.4
11	15.0	21.6	17.6	85.5	17.19	15.1	5.1	0.1	5.2	0.5
12	14.2	22.5	17.6	85.9	17.43	15.3	1.5	0.1	1.6	0.2
13	15.2	26.0	19.3	83.2	16.56	16.3	0.1	15.4	15.5	3.1
14	16.0	27.5	20.1	77.7	16.18	16.0	0.0	13.5	13.5	6.0
15	14.7	26.0	19.0	80.5	17.26	15.1	1.3	2.2	3.5	5.1
16	13.4	26.5	18.2	82.9	17.32	15.2	5.2	6.3	11.5	6.7
17	12.0	27.0	19.1	76.7	16.24	14.1	0.0	0.2	0.2	5.6
18	14.5	24.5	18.6	87.1	16.77	16.4	3.5	12.2	15.7	5.1
19	14.0	25.5	19.1	80.6	17.73	15.6	1.3	1.0	2.3	6.0
20	12.0	27.8	17.9	82.4	17.14	15.0	16.3	2.1	18.4	8.7
21	15.0	26.9	18.7	82.6	18.03	15.8	0.4	0.0	0.4	6.6
22	13.5	26.5	19.7	80.6	18.40	16.2	0.0	0.0	0.0	4.8
23	15.1	25.5	19.4	80.6	18.15	16.0	0.0	0.4	0.4	4.4
24	15.4	26.6	18.6	83.3	18.21	16.0	10.7	0.0	10.7	5.5
25	14.5	27.0	19.3	80.7	17.88	15.7	0.2	0.0	0.2	6.1
26	15.0	25.5	19.0	81.3	17.82	15.7	3.3	2.3	5.6	4.8
27	13.5	25.0	18.9	83.6	18.25	16.1	13.5	16.4	29.9	3.5
28	15.0	23.5	18.2	83.4	17.44	15.3	0.6	0.0	0.6	1.4
29	15.2	26.2	19.4	82.1	18.42	16.2	5.1	9.7	14.8	4.1
30	14.0	28.0	19.9	79.8	18.12	15.9	1.3	0.1	1.4	5.9
31	16.5	26.2	19.8	82.4	19.07	16.7	0.0	0.3	0.3	3.7
PROM	14.1	25.6	18.6	81.5	17.41	15.3	133.1	119.0	252.1	140.7

ESTACION: BERTHA MUNICIPIO: MONIQUIRA AÑO: 1.989

ALTITUD: 1.700 LATITUD: 5-52 N. LONGITUD: 73-24 W.

M E S – NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.0	24.5	18.3	88.7	16.64	16.4	2.9	9.2	12.1	3.9
2	16.0	26.2	19.5	80.5	18.23	16.0	0.0	13.8	13.8	6.9
3	16.1	26.6	19.6	81.3	18.51	16.3	2.9	1.1	4.0	7.9
4	16.0	26.5	19.8	80.1	18.80	16.5	0.0	0.7	0.7	6.8
5	15.0	25.8	19.5	78.2	17.49	15.4	0.0	0.0	0.0	5.0
6	13.0	26.2	18.7	80.9	17.20	15.1	0.0	0.0	0.0	7.0
7	13.5	26.7	19.4	78.9	17.66	15.5	0.0	0.0	0.0	8.2
8	13.5	23.9	17.9	87.4	18.15	15.9	0.0	0.0	0.0	1.9
9	15.5	27.2	20.0	74.9	17.12	15.0	0.0	0.0	0.0	6.9
10	14.2	26.4	19.7	77.2	17.42	15.3	0.0	0.0	0.0	8.8
11	14.0	26.5	18.7	79.7	17.00	15.0	0.0	0.0	0.0	5.6
12	14.5	25.2	18.9	80.5	17.48	15.4	11.1	0.1	11.2	2.2
13	15.0	26.2	19.8	78.5	17.86	15.7	0.2	0.0	0.2	5.7
14	16.5	27.3	20.6	78.7	18.51	16.2	0.0	0.0	0.0	5.7
15	16.0	27.5	21.1	75.9	18.70	16.4	0.0	0.0	0.0	6.2
16	14.6	28.2	21.0	77.9	19.24	16.9	0.4	15.7	16.1	6.8
17	14.4	27.0	19.7	81.5	18.88	16.5	3.1	10.9	14.0	4.9
18	14.0	28.4	19.3	80.6	17.85	15.7	3.5	0.1	3.6	5.6
19	13.0	27.8	20.2	80.0	18.45	16.1	0.0	0.0	0.0	7.3
20	13.9	27.0	18.7	80.4	17.09	15.0	0.0	0.0	0.0	6.4
21	14.0	27.8	19.7	79.9	18.30	16.1	1.6	0.1	1.7	5.4
22	14.2	25.0	18.1	82.6	17.03	15.0	10.9	4.2	15.1	4.4
23	14.8	26.9	19.2	80.7	17.63	15.5	5.0	0.6	5.6	4.4
24	15.0	26.8	20.7	66.6	15.39	13.4	0.0	0.0	0.0	7.4
25	12.5	27.3	19.1	75.3	16.10	14.0	1.0	0.0	1.0	3.6
26	12.8	27.2	19.7	78.4	17.48	15.4	0.0	0.0	0.0	5.2
27	12.4	27.0	18.8	82.6	17.42	15.2	4.2	1.1	5.3	5.4
28	12.8	28.0	18.8	78.6	16.49	14.4	0.1	1.4	1.5	4.0
29	14.5	27.4	20.1	80.1	18.74	16.5	0.5	6.2	6.7	5.2
30	16.0	26.5	20.1	77.9	18.07	15.9	0.0	0.8	0.8	5.6
PROM.	14.4	26.7	19.5	79.5	17.77	15.6	47.4	66.0	113.4	170.3

M E S – DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.6	24.6	18.0	86.8	18.26	16.1	4.0	8.0	12.0	2.6
2	16.0	24.0	18.3	85.2	18.36	16.2	13.7	0.1	13.8	0.6
3	15.0	26.2	18.8	81.0	17.55	15.5	0.0	8.3	8.3	6.5
4	14.2	24.9	18.9	82.8	18.08	15.9	0.0	3.2	3.2	2.3
5	16.0	26.0	18.7	83.7	18.17	16.0	3.4	0.1	3.5	2.5
6	15.0	27.1	19.5	79.2	17.67	15.5	0.0	0.0	0.0	6.3
7	11.2	27.3	19.7	80.0	17.73	15.6	0.0	0.0	0.0	5.9
8	10.2	25.0	17.6	79.4	15.24	13.1	0.0	0.0	0.0	2.5
9	13.0	26.4	18.9	79.6	16.77	14.7	0.0	3.0	3.0	3.6
10	14.0	26.6	19.0	80.1	17.31	15.2	0.0	0.0	0.0	5.5
11	13.9	26.0	19.5	81.6	18.39	16.2	0.0	0.1	0.1	5.2
12	14.5	25.0	18.9	82.0	17.86	15.7	0.0	0.0	0.0	4.1
13	16.0	25.7	20.0	81.8	19.00	16.7	0.0	0.0	0.0	1.1
14	15.9	25.6	19.2	80.0	17.84	15.7	0.0	0.0	0.0	5.5
15	11.3	26.5	18.1	76.9	15.29	13.2	0.0	0.0	0.0	5.8
16	8.5	25.5	17.3	81.0	15.44	13.3	1.4	0.0	1.4	5.0
17	15.0	27.0	19.2	77.6	16.94	14.8	0.0	0.0	0.0	7.2
18	12.0	26.9	17.9	76.4	15.18	13.2	0.0	0.0	0.0	7.1
19	9.5	27.2	17.5	73.6	13.67	11.4	0.0	0.0	0.0	6.9
20	10.0	26.5	19.0	74.3	15.43	13.3	0.0	0.0	0.0	6.4
21	15.8	26.2	19.3	73.1	15.90	13.8	0.0	0.0	0.0	
22	12.0	26.5	19.0	76.4	16.09	14.0	0.0	0.0	0.0	6.7
23	10.0	27.0	19.7	75.0	16.69	14.6	0.0	1.0	1.0	6.7
24	15.0	25.6	19.3	75.3	16.85	14.8	0.0	0.0	0.0	3.0
25	14.1	26.0	18.7	80.7	17.42	15.4	0.0	0.0	0.0	4.6
26	15.0	26.5	19.0	80.0	17.54	15.5	0.0	0.0	0.0	5.2
27	14.2	26.7	18.5	78.1	16.48	14.5	0.0	0.0	0.0	6.1
28	12.2	26.9	17.8	80.7	16.40	14.4	0.0	0.0	0.0	6.0
29	11.6	26.8	18.0	75.0	14.87	12.9	0.0	0.0	0.0	5.9
30	12.5	27.0	18.0	73.3	14.33	12.2	0.0	0.0	0.0	7.1
31	10.4	25.5	17.9	75.2	14.69	12.6	0.0	0.0	0.0	6.5
PROM	13.2	26.2	18.7	78.9	16.69	14.6	22.5	23.8	46.3	

ESTACION: BERTHA MUNICIPIO: MONIQUIRA AÑO: 1.989

ALTITUD: 1.700 LATITUD: 5-52 N. LONGITUD: 73-24 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Dias lluvias	
ENERO	13.1	25.8	18.4	9.5	27.5	81.0	16.89	14.8	164.3	22	159.4
FEBRERO	13.5	25.8	18.8	8.0	27.6	79.2	16.82	14.7	97.6	17	157.0
MARZO	13.3	25.8	18.7	9.0	26.5	80.8	17.13	15.0	90.2	15	
ABRIL	13.6	27.3	19.5	11.0	29.6	80.7	17.99	15.8	127.9	25	149.5
MAYO	13.1	25.9	18.8	9.5	28.6	83.3	17.87	15.7	228.5	25	135.7
JUNIO	13.0	25.7	18.4	7.6	28.9	83.5	17.44	15.2	207.8	23	147.2
JULIO	12.4	25.8	18.6	9.3	29.2	79.0	16.59	14.5	118.2	20	154.6
AGOSTO	12.8	26.6	18.9	9.0	28.8	81.1	17.42	15.2	249.3	22	154.6
SEPTIEMBRE	13.8	26.1	18.8	10.5	28.6	79.9	17.08	15.0	271.7	27	150.0
OCTUBRE	14.1	25.6	18.6	10.5	26.0	81.5	17.41	15.3	252.1	29	140.7
NOVIEMBRE	14.4	26.7	19.5	12.4	28.4	79.5	17.77	15.6	113.4	17	170.3
DICIEMBRE	13.2	26.2	18.7	8.5	27.3	78.9	16.69	14.6	46.3	9	
PROMEDIO	13.4	26.1	18.8	9.6	28.4	80.7	17.26	15.1			
TOTAL									1967.3	251	

ESTACION: RAFAEL ESCOBAR **MUNICIPIO:** SUPIA **AÑO:** 1.989

ALTITUD: 1.320 **LATITUD:** 5-28 N. **LONGITUD:** 75-39 W.

M E S – ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.6	24.8	20.2	87.5	20.98	18.3	3.6	1.1	4.7	0.8
2	17.5	26.2	20.6	85.1	20.57	17.9	0.0	5.5	5.5	1.4
3	17.6	28.6	21.9	80.6	20.68	18.1	0.0	46.7	46.7	4.4
4	16.9	28.0	21.7	78.7	20.03	17.5	0.0	18.6	18.6	4.9
5	16.5	26.0	20.3	82.6	19.27	16.9	0.0	2.2	2.2	3.6
6	17.3	28.0	22.2	79.6	21.02	18.3	0.0	0.0	0.0	6.3
7	17.8	28.2	21.6	81.1	20.71	18.0	0.1	0.0	0.1	4.9
8	17.5	28.0	21.8	77.8	20.00	17.5	0.0	9.1	9.1	7.8
9	16.6	27.8	21.5	77.0	19.45	17.1	0.0	0.0	0.0	7.6
10	16.8	22.4	19.3	88.7	19.84	17.4	0.0	0.0	0.0	0.8
11	16.7	25.4	20.2	82.4	19.64	17.2	0.5	0.0	0.5	3.4
12	16.4	28.4	22.5	72.2	19.06	16.7	0.0	16.1	16.1	7.0
13	17.5	24.9	20.8	84.6	20.68	18.0	0.0	0.0	0.0	1.2
14	18.0	28.2	22.4	77.8	20.85	18.2	0.3	0.0	0.3	5.9
15	17.4	28.2	22.2	77.7	20.71	18.0	0.0	0.0	0.0	3.1
16	16.3	28.0	22.5	77.7	20.67	18.0	0.0	40.1	40.1	7.4
17	16.2	27.6	21.7	81.6	20.76	18.0	0.0	22.2	22.2	3.2
18	17.0	28.6	22.5	77.1	20.51	17.9	0.0	0.0	0.0	6.8
19	18.0	29.2	22.6	78.2	20.94	18.3	0.0	0.0	0.0	6.8
20	17.6	28.8	22.9	77.2	21.11	18.4	0.2	0.0	0.2	6.8
21	17.9	27.8	22.3	78.4	20.74	18.1	0.0	0.0	0.0	5.9
22	17.6	27.8	22.0	80.7	20.98	18.2	0.0	0.0	0.0	3.6
23	17.0	28.8	22.8	74.1	19.97	17.5	0.0	0.0	0.0	8.4
24	18.4	28.0	23.2	75.4	21.12	18.4	0.0	0.3	0.3	6.0
25	17.0	27.9	22.4	77.8	20.68	18.0	0.0	0.0	0.0	2.8
26	18.3	26.9	22.5	78.3	21.13	18.4	0.4	0.0	0.4	2.9
27	18.6	23.0	20.3	88.1	21.08	18.3	0.0	10.0	10.0	0.0
28	18.1	24.6	20.0	89.4	20.83	18.2	4.9	7.2	12.1	1.0
29	17.5	27.6	21.8	83.1	21.67	18.8	8.1	0.0	8.1	3.8
30	16.9	27.2	20.5	83.7	19.94	17.5	0.0	0.0	0.0	2.2
31	17.0	27.8	22.0	78.5	20.28	17.7	0.0	11.6	11.6	4.1
PROM.	17.3	27.2	21.7	80.4	20.51	17.9	18.1	190.7	208.8	134.8

M E S – FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.9	24.0	19.3	90.6	20.36	17.8	5.2	0.1	5.3	1.6
2	17.2	27.8	22.1	75.3	19.44	17.0	0.0	9.4	9.4	7.1
3	17.3	26.5	21.1	84.1	20.86	18.1	0.0	14.2	14.2	1.4
4	16.2	24.0	19.6	84.5	19.06	16.8	0.0	0.0	0.0	0.4
5	16.3	27.8	22.2	74.1	19.22	16.8	0.0	0.0	0.0	6.0
6	16.4	29.2	22.6	73.1	19.18	16.8	0.0	0.0	0.0	9.1
7	16.9	28.4	22.3	75.1	19.94	17.5	0.0	0.0	0.0	4.8
8	17.2	29.4	22.5	75.9	20.34	17.8	0.0	0.0	0.0	3.7
9	17.7	28.2	22.5	74.7	20.06	17.5	0.0	0.0	0.0	5.1
10	17.9	27.2	21.7	79.5	20.31	17.8	0.1	0.5	0.6	3.3
11	18.1	26.6	20.8	85.0	20.71	18.1	0.0	6.0	6.0	1.6
12	17.4	28.4	22.0	78.2	20.10	17.6	0.0	2.0	2.0	5.3
13	17.7	26.8	21.3	80.1	19.90	17.4	0.0	0.0	0.0	3.6
14	15.9	28.4	22.3	76.2	20.01	17.5	0.0	0.0	0.0	7.3
15	16.3	28.9	22.7	69.2	18.32	16.1	0.0	0.0	0.0	9.6
16	15.4	28.5	22.3	67.8	17.25	15.2	0.0	0.0	0.0	10.1
17	16.7	26.4	20.6	77.7	18.71	16.4	0.4	0.0	0.4	4.6
18	14.7	29.8	21.8	71.9	17.87	15.7	0.0	0.0	0.0	8.9
19	16.5	28.8	22.8	74.9	20.14	17.6	0.0	0.0	0.0	7.8
20	17.8	27.8	22.9	75.2	20.26	17.7	0.0	3.6	3.6	4.4
21	18.4	26.9	21.7	83.1	21.60	18.7	0.2	10.1	10.3	4.0
22	17.2	25.4	21.2	83.4	20.59	18.0	0.0	0.0	0.0	3.9
23	18.1	25.2	19.9	80.2	18.80	16.5	0.0	0.0	0.0	0.5
24	15.2	28.4	22.9	67.2	17.52	15.4	0.0	0.0	0.0	5.9
25	16.4	29.2	22.1	72.6	18.57	16.4	0.0	0.3	0.3	6.2
26	17.9	28.2	21.9	81.5	21.18	18.4	1.6	0.0	1.6	2.0
27	17.4	29.6	23.1	76.3	21.01	18.3	0.0	0.0	0.0	7.8
28	18.0	30.2	24.3	73.5	21.36	18.6	0.0	0.0	0.0	7.1
PROM	17.0	27.7	21.9	77.2	19.74	17.3	7.5	46.2	53.7	143.1

ESTACION: RAFAEL ESCOBAR MUNICIPIO: SUPIA AÑO: 1.989

ALTITUD: 1.320 LATITUD: 5-28 N. LONGITUD: 75-39 W.

M E S – MARZO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.2	31.6	24.2	69.8	20.21	17.6	0.0	0.0	0.0	9.3
2	18.1	31.2	24.9	69.0	20.73	18.1	0.0	0.1	0.1	8.9
3	17.9	28.3	23.3	78.4	22.08	19.1	0.0	0.0	0.0	2.4
4	18.8	27.8	22.7	77.3	20.87	18.2	0.0	0.0	0.0	1.7
5	17.7	22.4	19.5	89.8	20.48	17.9	0.1	0.0	0.1	0.0
6	15.6	28.6	22.0	69.9	17.73	15.6	0.0	9.8	9.8	6.2
7	16.2	25.9	20.4	82.6	19.54	17.1	0.5	0.0	0.5	2.7
8	17.7	26.8	22.3	74.4	19.69	17.3	0.0	0.0	0.0	4.9
9	17.1	27.4	22.2	74.7	19.71	17.3	0.0	0.0	0.0	4.2
10	16.4	30.0	23.3	66.5	17.85	15.7	0.0	0.0	0.0	8.8
11	17.8	28.9	22.3	72.9	19.12	16.8	0.0	14.8	14.8	3.7
12	17.1	28.4	23.0	79.3	21.58	18.7	0.0	0.0	0.0	4.6
13	18.0	27.6	21.3	80.5	20.34	17.8	14.7	20.4	35.1	5.2
14	17.1	25.4	20.0	83.9	19.76	17.3	0.1	0.8	0.9	0.9
15	17.0	26.0	21.3	81.7	20.39	17.8	0.0	24.7	24.7	1.9
16	16.3	24.4	20.5	84.5	20.05	17.6	0.3	3.1	3.4	0.9
17	17.5	28.0	22.5	70.5	18.57	16.3	0.0	0.0	0.0	6.9
18	17.4	28.2	22.1	67.6	17.51	15.4	0.0	0.0	0.0	4.5
19	16.5	28.0	21.9	70.7	18.22	16.0	3.0	0.0	3.0	5.1
20	18.4	24.3	20.3	85.2	20.41	17.8	0.1	0.0	0.1	0.3
21	17.4	28.6	22.1	72.2	18.67	16.4	0.0	1.7	1.7	7.2
22	16.7	28.0	22.1	71.9	18.55	16.3	0.0	0.0	0.0	5.3
23	15.2	29.4	22.5	68.5	18.15	15.9	0.0	3.4	3.4	8.3
24	16.3	26.8	20.8	79.2	19.19	16.9	0.7	0.0	0.7	4.6
25	15.6	29.3	22.3	68.5	17.54	15.4	0.0	0.3	0.3	8.5
26	17.0	22.8	20.0	81.7	18.91	16.6	0.2	2.8	3.0	0.9
27	16.6	28.9	22.5	71.1	18.59	16.3	0.0	5.4	5.4	5.6
28	17.0	22.6	18.2	93.2	19.57	17.2	3.3	1.1	4.4	0.3
29	14.2	28.2	21.7	66.3	16.40	14.4	0.0	0.0	0.0	8.1
30	15.8	29.0	22.3	67.6	17.29	15.2	0.0	0.0	0.0	9.7
31	16.9	28.8	22.2	69.5	18.37	16.2	0.0	0.0	0.0	8.3
PROM.	16.9	27.5	21.8	75.4	19.23	16.8	23.0	88.4	111.4	149.9

M E S – ABRIL

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.8	27.9	22.4	76.6	20.31	17.7	0.0	0.0	0.0	6.2
2	16.8	28.6	21.8	80.4	20.65	18.0	0.0	0.0	0.0	5.8
3	16.7	27.6	21.9	79.7	20.55	17.9	0.0	0.0	0.0	6.1
4	17.4	29.8	24.0	71.6	20.59	17.9	0.0	2.4	2.4	6.8
5	17.8	28.4	21.9	81.6	21.18	18.4	0.1	0.0	0.1	2.9
6	16.6	30.0	23.3	71.7	19.66	17.2	0.0	0.0	0.0	8.7
7	17.5	30.4	24.2	70.5	20.12	17.6	0.0	2.3	2.3	10.0
8	17.2	29.2	23.9	69.6	19.51	17.1	0.0	0.5	0.5	5.5
9	18.0	27.0	23.3	72.1	20.17	17.6	0.0	0.0	0.0	2.7
10	18.4	28.0	22.2	81.0	21.52	18.7	0.5	0.0	0.5	3.2
11	16.8	29.2	23.3	74.6	20.51	17.9	0.0	0.0	0.0	8.5
12	19.2	28.0	23.2	77.5	21.72	18.8	0.0	0.0	0.0	3.6
13	18.6	30.2	24.1	73.2	21.19	18.5	0.0	0.0	0.0	6.3
14	18.4	28.8	22.4	79.5	21.66	18.8	0.4	0.0	0.4	2.7
15	18.3	27.8	23.4	74.6	20.92	18.2	0.0	0.0	0.0	2.6
16	17.9	31.0	24.3	69.1	20.23	17.7	0.0	3.8	3.8	9.6
17	16.9	31.2	24.7	64.1	18.15	15.9	0.0	0.0	0.0	10.0
18	17.4	30.8	24.0	70.2	20.09	17.6	0.0	0.0	0.0	6.7
19	18.9	30.0	24.8	66.2	20.15	17.6	0.0	2.6	2.6	6.0
20	18.7	29.2	23.5	73.8	20.88	18.2	1.1	0.0	1.1	3.2
21	18.5	31.8	23.5	76.6	21.86	18.9	0.7	7.0	7.7	7.9
22	19.0	30.0	24.0	77.7	22.89	19.7	0.0	0.0	0.0	5.7
23	18.8	30.8	24.7	71.0	21.38	18.5	0.0	0.0	0.0	6.5
24	19.2	28.2	23.2	79.5	22.30	19.2	0.0	1.5	1.5	2.5
25	17.8	30.6	22.4	77.5	20.71	18.0	1.3	0.0	1.3	7.2
26	18.4	29.8	22.4	80.9	21.85	18.9	0.8	7.1	7.9	4.4
27	17.8	28.8	23.2	76.7	20.99	18.2	0.0	11.0	11.0	6.0
28	17.4	28.2	23.0	72.7	19.83	17.3	0.0	0.0	0.0	6.8
29	18.4	27.0	22.5	79.7	21.76	18.8	0.0	17.1	17.1	1.1
30	16.8	27.8	22.7	82.4	22.23	19.1	0.0	0.0	0.0	2.9
PROM	17.9	29.2	23.3	75.1	20.85	18.1	4.9	55.3	60.2	168.1

ESTACION: RAFAEL ESCOBAR MUNICIPIO: SUPIA AÑO: 1.989

ALTITUD: 1.320 LATITUD: 5-28 N. LONGITUD: 75-39 W.

M E S — MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.9	27.4	21.1	85.2	21.91	18.9	2.9	13.0	15.9	2.0
2	16.8	27.0	21.1	78.9	19.47	17.1	0.0	1.5	1.5	5.8
3	17.4	26.9	22.5	76.0	20.34	17.7	0.0	0.0	0.0	5.1
4	17.9	29.2	22.4	75.2	20.08	17.6	0.0	0.6	0.6	5.1
5	18.0	28.8	21.0	81.2	20.27	17.7	0.8	19.2	20.0	5.3
6	17.1	26.7	21.4	78.8	19.91	17.4	0.0	8.7	8.7	4.0
7	17.8	27.8	22.3	78.8	20.96	18.2	0.0	26.0	26.0	4.8
8	17.4	27.3	20.0	83.9	19.80	17.4	0.0	3.0	3.0	2.5
9	17.3	26.6	20.9	84.2	20.70	18.0	1.9	2.3	4.2	4.6
10	16.9	25.2	19.3	89.0	20.31	17.8	3.9	0.0	3.9	0.0
11	15.0	27.9	22.0	76.5	19.52	17.1	0.0	0.6	0.6	8.7
12	17.9	27.2	22.0	81.9	21.44	18.6	0.0	6.9	6.9	4.8
13	17.1	25.7	21.3	82.6	20.58	18.0	2.7	0.0	2.7	3.4
14	17.8	26.9	21.3	82.3	20.56	17.9	1.3	0.0	1.3	5.7
15	17.0	28.0	21.8	81.7	21.04	18.3	0.0	0.1	0.1	4.8
16	16.2	28.8	22.9	74.4	20.08	17.5	0.0	0.0	0.0	10.4
17	16.7	28.9	23.0	71.5	19.40	17.0	0.0	0.0	0.0	7.2
18	17.4	28.0	23.3	79.0	22.38	19.3	0.0	0.0	0.0	3.0
19	18.4	29.2	22.4	77.4	20.99	18.2	0.8	0.1	0.9	5.2
20	17.2	30.2	23.5	74.7	21.14	18.4	0.0	0.0	0.0	8.8
21	16.8	28.9	23.0	72.8	20.06	17.5	0.0	0.0	0.0	6.7
22	18.8	29.9	24.2	71.8	21.72	18.7	0.0	0.3	0.3	7.0
23	18.4	27.0	21.1	86.5	21.87	18.9	0.0	30.3	30.3	2.0
24	17.7	26.2	21.9	83.8	21.85	18.9	1.1	42.0	43.1	4.0
25	17.4	25.6	21.3	78.9	19.50	17.1	1.0	2.8	3.8	1.4
26	17.9	27.6	21.6	81.8	21.06	18.3	0.0	0.0	0.0	4.1
27	17.2	28.4	22.2	77.7	20.54	17.9	0.8	5.5	6.3	6.0
28	15.3	27.5	20.8	83.1	20.23	17.7	0.4	0.0	0.4	5.1
29	16.3	28.3	22.1	77.5	20.27	17.7	0.0	0.0	0.0	6.5
30	16.4	28.5	22.7	77.8	21.13	18.3	0.0	0.0	0.0	7.7
31	17.5	28.9	23.5	76.4	21.68	18.8	0.0	0.0	0.0	6.1
PROM.	17.3	27.8	21.9	79.4	20.67	18.0	17.6	162.9	180.5	157.8

M E S — JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.1	28.0	23.2	77.9	22.01	19.0	0.3	43.4	43.7	4.7
2	17.4	26.3	21.5	82.5	20.86	18.2	0.5	0.4	0.9	4.1
3	18.4	24.5	20.5	91.1	22.21	19.1	3.6	0.0	3.6	0.3
4	16.7	28.0	22.4	78.4	20.50	17.9	0.0	0.0	0.0	6.8
5	18.6	25.6	21.2	85.8	21.61	18.7	1.8	0.0	1.8	1.1
6	18.7	27.4	22.3	83.3	22.38	19.3	0.0	18.2	18.2	5.3
7	16.2	27.2	21.2	84.7	20.92	18.2	0.2	0.0	0.2	5.4
8	17.6	28.0	23.5	76.1	21.16	18.3	0.0	1.8	1.8	8.5
9	18.3	27.2	22.2	80.8	21.41	18.6	0.1	0.1	0.2	5.9
10	17.5	28.5	23.5	76.6	21.52	18.6	0.0	0.4	0.4	8.6
11	18.4	28.0	22.6	79.3	21.56	18.7	0.0	8.7	8.7	7.0
12	17.1	26.8	22.5	79.2	21.08	18.3	0.0	9.5	9.5	6.1
13	17.5	27.6	21.7	86.0	22.19	19.1	0.0	0.0	0.0	4.0
14	16.8	28.2	21.7	81.2	20.80	18.1	0.1	0.1	0.2	6.2
15	17.3	29.0	23.2	78.2	21.77	18.9	0.0	0.0	0.0	8.6
16	15.9	29.6	22.4	68.8	18.16	16.0	0.0	0.0	0.0	8.8
17	17.0	28.0	22.3	73.6	19.72	17.3	0.0	0.0	0.0	5.2
18	18.4	26.9	22.6	82.5	22.55	19.4	0.0	1.2	1.2	4.7
19	16.9	26.8	21.5	82.4	20.81	18.1	0.0	0.0	0.0	4.1
20	18.5	27.5	21.4	81.7	21.10	18.4	0.4	0.0	0.4	3.8
21	15.5	27.4	22.2	76.6	20.04	17.5	0.0	1.8	1.8	7.0
22	17.8	26.5	21.6	82.6	21.27	18.5	0.0	19.9	19.9	3.5
23	15.7	24.4	19.3	87.9	19.57	17.1	2.3	0.0	2.3	0.7
24	15.9	25.9	21.3	78.7	19.43	17.0	0.0	0.0	0.0	5.4
25	16.9	23.6	20.3	89.3	21.06	18.3	4.2	0.0	4.2	3.3
26	17.8	27.2	22.1	79.3	20.76	18.1	0.0	21.5	21.5	7.1
27	16.3	26.4	21.8	82.6	21.15	18.4	0.0	8.7	8.7	7.7
28	17.4	26.5	21.7	80.9	20.57	18.0	0.0	0.0	0.0	7.2
29	16.7	28.8	22.2	78.4	20.58	17.9	0.0	2.9	2.9	9.5
30	16.8	26.8	21.2	81.2	20.36	17.8	0.0	10.0	10.0	5.1
PROM	17.3	27.1	21.9	80.9	20.97	18.2	13.5	148.6	162.1	165.7

ESTACION: RAFAEL ESCOBAR MUNICIPIO: SUPIA AÑO: 1.989

ALTITUD: 1.320 LATITUD: 5-28 N. LONGITUD: 75-39 W.

M E S - JULIO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.0	26.5	21.0	81.4	19.69	17.2	0.0	0.0	0.0	8.4
2	16.0	27.2	21.7	77.7	19.99	17.5	1.1	0.0	1.1	8.0
3	15.9	28.2	21.8	73.3	18.91	16.5	0.0	0.0	0.0	8.6
4	14.8	27.5	21.3	75.5	18.73	16.4	0.0	0.0	0.0	8.5
5	18.4	26.3	21.4	82.2	20.85	18.2	1.0	0.1	1.1	4.8
6	17.0	28.2	22.1	76.0	19.81	17.3	0.0	0.0	0.0	7.6
7	17.0	28.0	21.5	81.0	20.71	18.1	1.2	1.7	2.9	6.9
8	17.4	27.2	22.0	78.4	20.26	17.7	0.0	17.3	17.3	7.7
9	16.4	27.0	22.4	75.6	20.02	17.5	0.0	0.3	0.3	7.4
10	16.3	28.3	21.8	74.6	19.09	16.6	0.0	0.0	0.0	9.2
11	15.9	28.0	21.9	73.1	18.59	16.3	0.0	0.0	0.0	8.7
12	16.0	28.4	22.8	72.0	18.89	16.5	0.0	0.0	0.0	9.5
13	16.8	30.2	23.3	66.7	18.37	16.1	0.0	0.0	0.0	10.0
14	17.4	29.2	24.1	68.3	19.77	17.3	0.0	0.0	0.0	9.5
15	16.8	31.0	25.1	54.4	16.29	14.2	0.0	0.0	0.0	10.5
16	18.2	29.0	23.0	69.2	19.24	16.9	0.0	0.0	0.0	4.2
17	16.8	28.2	22.3	74.8	19.71	17.2	0.0	0.0	0.0	7.0
18	16.5	29.5	23.2	73.3	20.26	17.7	0.0	0.0	0.0	8.2
19	17.8	28.2	23.2	80.1	22.29	19.2	0.0	0.0	0.0	6.2
20	18.1	26.5	22.0	80.6	20.73	18.1	0.1	0.0	0.1	4.8
21	17.2	26.4	21.9	78.1	20.05	17.6	0.0	0.9	0.9	3.5
22	18.4	24.8	21.2	86.2	21.83	18.9	4.4	0.0	4.4	1.6
23	18.3	26.6	22.0	81.6	21.46	18.6	0.2	1.3	1.5	3.4
24	17.8	24.3	20.6	80.6	19.48	17.1	5.3	8.5	13.8	3.0
25	17.1	26.7	21.3	83.0	21.13	18.3	0.8	0.4	1.2	5.5
26	16.0	26.6	21.0	81.5	20.16	17.6	0.4	1.0	1.4	3.7
27	18.0	27.7	22.7	75.7	20.20	17.7	0.0	0.0	0.0	7.9
28	17.2	27.4	22.2	77.3	20.36	17.8	0.0	0.0	0.0	5.6
29	17.0	28.5	22.7	72.3	19.45	17.0	0.0	14.9	14.9	8.1
30	16.4	27.5	21.5	80.4	20.07	17.6	0.0	0.1	0.1	6.6
31	18.0	28.2	23.3	74.7	20.55	17.9	0.0	0.0	0.0	7.6
PROM.	17.0	27.7	22.2	76.1	19.90	17.4	14.5	46.5	61.0	212.2

M E S - AGOSTO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	27.0	22.2	77.7	20.50	17.9	0.0	0.0	0.0	6.7
2	16.9	27.5	22.2	74.8	19.79	17.3	0.0	0.0	0.0	6.2
3	17.0	28.4	23.3	68.3	19.08	16.8	0.0	0.0	0.0	8.4
4	17.4	28.6	22.7	71.7	19.33	17.0	0.0	0.0	0.0	9.1
5	16.8	29.0	23.0	71.3	19.03	16.7	0.0	13.1	13.1	9.6
6	15.9	26.3	19.5	80.7	18.32	16.1	1.8	0.0	1.8	5.2
7	14.4	29.4	21.8	72.9	18.33	16.0	0.0	0.0	0.0	10.3
8	16.7	29.2	22.9	72.8	19.70	17.3	0.0	3.7	3.7	9.0
9	16.5	27.7	22.1	74.2	19.26	16.9	0.0	7.5	7.5	7.5
10	17.3	26.9	20.7	81.7	19.87	17.4	9.2	0.0	9.2	6.3
11	16.4	26.7	21.4	80.2	20.19	17.6	0.0	0.0	0.0	5.3
12	16.0	27.9	21.8	75.1	19.70	17.2	0.0	0.0	0.0	8.2
13	16.3	25.9	20.8	81.8	19.95	17.5	0.0	0.0	0.0	2.8
14	17.0	27.5	22.2	77.1	20.03	17.5	0.0	0.0	0.0	7.8
15	17.9	28.0	22.6	76.1	20.41	17.8	0.0	1.8	1.8	5.9
16	17.0	27.6	22.1	78.7	20.61	18.0	0.0	0.0	0.0	2.6
17	17.4	28.0	22.3	76.5	20.13	17.6	0.0	0.0	0.0	3.8
18	16.5	29.5	22.9	74.6	20.09	17.5	0.0	0.0	0.0	9.9
19	17.4	28.4	22.5	80.0	21.58	18.7	0.0	2.6	2.6	5.6
20	17.5	27.3	21.7	80.8	20.83	18.1	0.1	3.2	3.3	5.1
21	17.2	27.5	22.2	77.0	20.02	17.5	0.0	6.1	6.1	6.0
22	16.0	27.8	22.2	75.5	19.61	17.2	0.0	0.0	0.0	8.5
23	18.0	26.5	21.4	82.9	21.03	18.3	0.0	1.2	1.2	3.3
24	17.3	28.4	22.5	73.9	19.58	17.2	0.0	0.0	0.0	7.6
25	17.4	29.5	22.9	71.6	19.40	17.0	0.0	5.5	5.5	8.3
26	17.3	27.4	21.7	79.1	20.14	17.6	0.0	9.2	9.2	7.4
27	17.5	27.0	21.9	80.5	20.78	18.1	0.0	0.0	0.0	7.9
28	17.0	28.2	21.5	79.7	20.26	17.7	0.2	14.2	14.4	3.3
29	15.4	24.9	20.1	82.2	19.20	16.9	0.0	17.7	17.7	2.0
30	17.0	25.5	21.0	77.0	18.87	16.6	0.4	0.0	0.4	3.4
31	16.8	27.6	22.1	78.2	20.42	17.8	0.0	0.0	0.0	4.6
PROM	16.9	27.6	21.9	76.9	19.87	17.4	11.7	85.8	97.5	197.6

ESTACION: RAFAEL ESCOBAR MUNICIPIO: SUPIA AÑO: 1.989

ALTITUD: 1.320 LATITUD: 5-28 N. LONGITUD: 75-39 W.

M E S – SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.8	26.6	21.6	81.9	20.92	18.2	0.0	0.0	0.0	4.0
2	16.9	28.0	21.9	74.4	19.12	16.8	0.0	2.6	2.6	6.2
3	16.6	28.4	22.3	73.3	19.36	17.0	0.0	13.2	13.2	8.5
4	17.0	26.5	21.2	81.8	20.33	17.8	0.0	0.0	0.0	5.2
5	18.0	25.5	19.8	93.3	21.82	18.5	1.8	14.0	15.8	2.4
6	17.5	26.0	20.8	85.7	21.05	18.3	0.2	9.2	9.4	4.0
7	18.0	26.6	20.9	86.0	21.18	18.4	0.4	1.2	1.6	6.0
8	18.1	27.8	21.1	86.4	21.76	18.8	4.2	0.4	4.6	6.4
9	18.0	25.5	21.2	83.3	20.80	18.1	0.2	2.6	2.8	4.8
10	18.1	26.7	21.2	82.6	20.62	18.0	0.0	0.0	0.0	1.7
11	17.0	27.0	21.3	81.2	20.11	17.6	0.2	41.4	41.6	6.5
12	15.4	28.3	21.5	77.4	19.46	17.0	0.5	28.9	29.4	8.3
13	16.4	27.0	21.2	79.8	19.93	17.5	0.0	28.2	28.2	8.2
14	15.8	26.2	21.1	79.6	19.54	17.1	0.2	0.0	0.2	3.5
15	16.0	28.6	22.1	75.1	19.37	17.0	0.0	0.0	0.0	9.4
16	18.0	27.8	22.5	77.1	20.79	18.1	0.0	0.0	0.0	8.0
17	16.9	28.6	22.7	73.0	19.60	17.2	0.0	11.1	11.1	7.3
18	17.3	26.9	21.5	75.9	19.11	16.8	0.2	0.0	0.2	6.4
19	16.4	26.8	21.8	75.7	19.48	17.1	0.3	2.7	3.0	5.2
20	17.4	24.0	20.1	92.2	21.55	18.7	0.3	0.0	0.3	1.6
21	17.8	26.8	20.8	83.0	20.46	17.9	1.2	25.2	26.4	4.9
22	16.0	23.6	19.4	82.3	18.36	16.2	1.5	3.0	4.5	0.0
23	16.4	28.2	22.0	79.1	20.75	18.1	0.0	12.2	12.2	7.8
24	16.6	27.6	21.4	79.2	20.08	17.6	0.3	36.9	37.2	6.0
25	16.2	27.4	21.7	76.4	19.63	17.2	0.0	4.3	4.3	8.0
26	16.6	25.9	19.6	85.3	19.50	17.1	4.7	1.5	6.2	3.8
27	17.4	25.8	21.3	79.9	20.00	17.5	0.0	0.4	0.4	4.6
28	17.0	23.0	17.9	97.0	20.10	17.6	7.5	2.8	10.3	0.4
29	16.3	26.0	20.9	81.7	19.81	17.4	0.0	0.0	0.0	4.2
30	16.4	28.0	22.2	77.7	20.23	17.7	0.0	0.6	0.6	7.7
PROM.	16.9	26.7	21.2	81.2	20.16	17.6	23.7	242.4	266.1	161.0

M E S – OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	28.7	22.9	75.5	20.55	17.9	0.0	14.3	14.3	9.0
2	16.4	25.8	20.8	82.4	20.19	17.7	0.0	32.6	32.6	5.6
3	16.3	26.2	20.6	85.4	20.50	17.9	0.0	0.0	0.0	3.1
4	17.0	26.3	21.2	81.2	20.16	17.6	0.1	8.8	8.9	3.9
5	16.0	24.2	19.8	84.3	19.32	17.0	0.7	0.0	0.7	2.5
6	15.6	28.0	21.9	75.5	19.07	16.7	0.0	0.9	0.9	8.9
7	17.0	28.3	21.9	76.6	20.04	17.5	0.0	12.8	12.8	8.8
8	16.3	27.4	21.8	78.9	19.99	17.5	0.0	1.8	1.8	7.2
9	17.5	24.6	19.8	82.9	19.41	17.0	0.1	0.0	0.1	2.3
10	15.0	27.0	20.6	81.1	19.55	17.2	3.3	16.1	19.4	4.8
11	16.4	23.6	19.6	84.5	19.20	16.9	0.0	9.0	9.0	0.9
12	16.5	26.0	20.5	80.3	18.98	16.7	0.2	0.0	0.2	4.6
13	18.0	28.0	21.9	81.3	21.18	18.4	0.0	17.7	17.7	2.7
14	17.0	27.0	21.0	85.2	21.26	18.5	2.9	0.3	3.2	4.1
15	17.6	26.2	21.3	81.8	20.79	18.1	0.0	0.0	0.0	4.3
16	17.0	27.5	20.7	81.2	20.00	17.5	0.2	0.0	0.2	4.0
17	16.5	26.8	20.5	80.4	19.52	17.1	0.0	1.0	1.0	4.1
18	17.0	26.9	21.8	79.1	20.27	17.7	0.0	0.2	0.2	5.0
19	17.4	27.6	20.9	82.2	20.48	17.9	1.6	0.0	1.6	5.1
20	15.4	28.5	22.0	75.0	19.45	17.0	0.0	9.5	9.5	8.5
21	17.0	28.6	20.9	80.9	20.11	17.6	6.2	8.0	14.2	7.1
22	17.5	27.6	22.5	75.4	19.99	17.5	0.0	14.9	14.9	5.6
23	16.5	27.0	21.0	85.4	21.06	18.3	0.0	21.1	21.1	6.8
24	17.4	24.5	21.0	83.9	20.68	18.0	4.5	0.0	4.5	1.7
25	16.4	26.0	21.1	85.4	21.33	18.5	0.1	22.6	22.7	4.4
26	17.5	26.8	21.6	80.3	20.37	17.8	0.0	0.0	0.0	5.2
27	18.4	26.5	21.9	82.2	21.74	18.8	0.0	8.6	8.6	2.6
28	18.2	23.0	19.9	89.8	21.13	18.4	6.1	0.0	6.1	0.1
29	17.0	25.0	21.2	85.7	21.37	18.6	0.0	0.0	0.0	1.5
30	17.4	27.9	23.0	69.1	19.15	16.8	0.0	22.0	22.0	6.3
31	17.0	28.5	22.2	79.7	21.12	18.4	0.0	34.1	34.1	6.5
PROM	16.9	26.6	21.2	81.0	20.26	17.7	26.0	256.3	282.3	147.8

ESTACION: RAFAEL ESCOBAR MUNICIPIO: SUPIA AÑO: 1.989

ALTITUD: 1.320 LATITUD: 5-28 N. LONGITUD: 75-39 W.

M E S - NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	24.2	19.6	84.3	19.26	16.9	9.9	0.0	9.9	2.9
2	16.7	26.8	20.8	82.5	20.31	17.8	0.0	7.3	7.3	3.9
3	18.0	26.9	22.0	81.6	21.48	18.6	0.0	0.3	0.3	4.0
4	18.5	24.9	20.6	85.0	21.04	18.3	3.3	0.0	3.3	3.7
5	17.4	27.5	22.2	78.8	20.92	18.2	0.0	0.0	0.0	6.5
6	17.6	26.7	21.9	80.7	21.22	18.5	0.0	4.4	4.4	5.6
7	17.4	23.6	19.2	91.9	20.68	18.0	6.0	0.1	6.1	0.6
8	17.5	26.3	21.0	79.5	19.82	17.4	0.1	0.3	0.4	4.8
9	16.5	27.7	21.3	71.9	18.38	16.2	0.0	4.2	4.2	8.8
10	16.6	26.8	19.8	82.7	19.26	16.9	1.2	3.2	4.4	5.6
11	17.4	21.2	18.4	86.8	18.73	16.4	13.3	1.4	14.7	0.2
12	15.0	26.6	20.5	74.7	17.66	15.5	0.0	1.0	1.0	6.4
13	16.7	24.9	20.0	85.9	20.20	17.7	5.0	0.0	5.0	4.9
14	15.7	28.0	21.9	75.8	19.64	17.2	0.0	0.0	0.0	9.2
15	17.4	28.3	22.2	79.6	21.00	18.3	0.0	0.0	0.0	4.0
16	17.5	25.6	21.6	85.0	21.71	18.8	4.7	2.8	7.5	1.5
17	17.9	25.5	20.4	85.7	20.47	17.9	0.0	0.0	0.0	2.7
18	17.4	28.8	22.7	80.6	22.02	19.0	0.0	0.0	0.0	7.0
19	19.0	29.5	23.6	75.5	21.57	18.7	0.0	0.0	0.0	7.8
20	17.9	29.4	22.5	78.6	21.45	18.6	0.7	3.8	4.5	7.2
21	18.0	23.9	20.5	87.3	21.16	18.4	0.0	0.0	0.0	0.3
22	18.1	28.2	22.5	79.9	21.56	18.7	0.0	0.8	0.8	4.2
23	18.4	28.4	22.9	79.3	21.99	19.0	0.0	0.0	0.0	7.2
24	19.0	28.2	22.2	81.4	21.81	18.9	0.3	0.0	0.3	2.4
25	17.6	27.4	21.1	83.6	21.18	18.4	0.0	0.0	0.0	2.2
26	16.9	28.4	22.1	77.4	20.44	17.9	0.0	0.0	0.0	6.5
27	17.0	29.6	22.5	77.2	20.85	18.2	0.0	0.0	0.0	9.4
28	17.6	28.2	22.8	80.2	22.15	19.1	0.0	6.7	6.7	5.6
29	18.4	27.0	22.1	84.2	22.34	19.3	0.2	1.6	1.8	2.5
30	18.0	27.9	22.1	78.4	20.75	18.1	0.0	4.9	4.9	6.2
PROM.	17.5	26.9	21.4	81.2	20.70	18.0	44.7	42.8	87.5	143.8

M E S - DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.2	26.8	20.0	84.2	20.32	17.7	10.3	7.6	17.9	2.7
2	16.6	21.2	18.7	94.7	20.49	17.9	2.5	0.0	2.5	0.0
3	15.6	27.1	21.8	72.2	18.39	16.2	0.0	1.4	1.4	7.2
4	17.6	22.0	18.9	90.7	20.15	17.6	8.0	0.0	8.0	0.1
5	16.2	26.9	20.6	83.8	20.14	17.6	0.3	0.6	0.9	3.1
6	17.2	27.0	21.6	80.6	20.54	17.9	0.0	0.0	0.0	5.2
7	16.8	28.4	22.3	79.2	20.98	18.3	0.0	0.0	0.0	9.1
8	18.2	29.2	22.8	74.5	20.71	18.0	0.0	0.0	0.0	9.1
9	18.5	29.6	23.5	77.1	21.86	18.9	0.0	32.9	32.9	8.0
10	17.3	26.4	21.3	84.1	21.05	18.3	0.0	14.5	14.5	5.3
11	17.5	27.8	22.1	80.2	20.92	18.2	0.0	26.2	26.2	4.9
12	16.2	28.9	21.6	80.6	20.66	18.0	0.0	0.0	0.0	8.2
13	18.6	27.4	22.2	81.3	21.57	18.7	0.0	0.5	0.5	7.7
14	19.0	26.0	22.2	83.3	22.34	19.3	0.0	0.0	0.0	1.6
15	16.8	28.6	21.7	72.1	18.46	16.2	0.0	0.0	0.0	8.5
16	15.0	27.5	21.2	74.6	18.39	16.1	0.0	0.0	0.0	8.9
17	16.5	28.8	22.1	78.3	20.43	17.8	0.0	0.0	0.0	8.5
18	18.5	28.7	22.8	75.5	20.67	18.0	0.0	0.0	0.0	7.6
19	16.0	28.5	21.8	72.9	18.65	16.4	0.0	0.0	0.0	9.4
20	15.9	28.7	21.9	76.1	19.76	17.3	0.0	0.0	0.0	9.6
21	17.5	28.6	22.7	75.6	20.63	18.0	0.0	0.0	0.0	8.9
22	16.5	28.9	22.5	70.8	18.78	16.5	0.0	0.0	0.0	9.9
23	18.6	27.4	20.6	82.8	20.49	17.9	0.7	0.1	0.8	4.3
24	16.4	26.9	21.5	81.3	20.61	18.0	0.0	0.3	0.3	4.2
25	18.0	26.0	21.6	83.2	21.22	18.5	0.0	4.9	4.9	3.3
26	16.4	27.2	21.3	80.8	20.34	17.8	0.0	0.0	0.0	6.8
27	17.0	27.5	21.3	81.0	20.13	17.6	0.4	0.0	0.4	4.5
28	18.0	24.4	20.0	87.4	20.48	17.9	12.9	0.0	12.9	1.2
29	17.0	27.9	21.5	76.8	19.42	17.0	0.0	0.1	0.1	7.8
30	17.2	28.5	22.0	68.5	17.79	15.7	0.0	0.0	0.0	8.2
31	15.8	28.8	21.5	67.7	16.75	14.7	0.0	8.1	8.1	9.7
PROM	17.1	27.3	21.5	79.1	20.10	17.9	35.1	97.2	132.3	193.5

ESTACION: RAFAEL ESCOBAR MUNICIPIO: SUPIA AÑO: 1.989

ALTITUD: 1.320 LATITUD: 5-28 N. LONGITUD 75-39 W.

MESES	TEMPERATURA oC					Humedad relativa o/o	Tensiòn vapor mb.	Punto rocío oC	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Dias lluvias	
ENERO	17.3	27.2	21.7	16.2	29.2	80.4	20.51	17.9	208.8	19	134.8
FEBRERO	17.0	27.7	21.9	14.7	30.2	77.2	19.74	17.3	53.7	11	143.1
MARZO	16.9	27.5	21.8	14.2	31.6	75.4	19.23	16.8	111.4	18	149.9
ABRIL	17.9	29.2	23.3	16.6	31.8	75.1	20.85	18.1	60.2	15	168.1
MAYO	17.3	27.8	21.9	15.0	30.2	79.4	20.67	18.0	180.5	21	157.8
JUNIO	17.3	27.1	21.9	15.5	29.6	80.9	20.97	18.2	162.1	22	165.7
JULIO	17.0	27.7	22.2	14.8	31.0	76.1	19.90	17.4	61.0	14	212.2
AGOSTO	16.9	27.6	21.9	14.4	29.5	76.9	19.87	17.4	97.5	15	197.6
SEPTIEMBRE	16.9	26.7	21.2	15.4	28.6	81.2	20.16	17.6	266.1	24	161.0
OCTUBRE	16.9	26.6	21.2	15.0	28.7	81.0	20.26	17.7	282.3	27	147.8
NOVIEMBRE	17.5	26.9	21.4	15.0	29.6	81.2	20.70	18.0	87.5	19	143.8
DICIEMBRE	17.1	27.3	21.5	15.0	29.6	79.1	20.10	17.5	132.3	16	193.5
PROMEDIO	17.2	27.4	21.8	15.2	30.0	78.7	20.25	17.7			
TOTAL									1703.4	221	1975.3

ESTACION: SANTA ELENA MUNICIPIO: MARQUETALIA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 5-18 N. LONGITUD: 75-09 W.

M E S – ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.4	21.6	18.9	95.2	20.90	18.2	0.1	19.7	19.8	0.2
2	15.7	19.8	17.6	97.0	19.58	17.2	0.0	0.0	0.0	0.1
3	16.4	22.5	18.8	94.2	20.60	17.9	0.0	12.9	12.9	2.6
4	15.6	24.8	19.8	82.5	19.49	16.8	0.0	37.8	37.8	5.0
5	15.4	23.0	18.7	90.1	19.59	17.0	0.0	3.5	3.5	1.9
6	16.5	24.8	19.2	92.3	20.79	18.0	0.0	10.4	10.4	5.6
7	16.6	24.6	20.2	91.8	22.07	19.0	2.9	1.0	3.9	4.6
8	16.4	23.8	19.6	88.6	20.60	17.9	0.0	10.8	10.8	3.6
9	16.6	22.8	18.9	92.0	20.20	17.7	0.0	0.0	0.0	6.5
10	16.5	22.6	17.6	89.0	18.19	16.0	0.0	0.0	0.0	0.7
11	16.7	22.5	19.1	89.1	19.76	17.3	3.0	7.6	10.6	1.1
12	17.0	24.5	20.0	89.6	21.05	18.3	0.0	3.7	3.7	6.6
13	17.1	24.2	18.9	93.5	20.72	18.0	0.0	2.5	2.5	1.9
14	16.5	24.0	19.5	90.7	20.79	18.0	0.0	0.0	0.0	4.4
15	16.8	24.7	20.7	80.6	19.70	17.2	0.0	1.0	1.0	5.7
16	16.3	24.9	20.8	81.3	20.12	17.5	0.0	2.1	2.1	5.7
17	16.5	23.6	19.3	88.4	19.92	17.3	0.0	0.3	0.3	2.0
18	17.6	23.2	19.8	94.2	21.75	18.8	0.0	12.7	12.7	2.5
19	16.8	23.4	19.9	94.0	21.81	18.8	0.0	14.7	14.7	2.6
20	17.5	24.5	20.7	91.9	22.50	19.4	0.0	28.5	28.5	2.7
21	16.2	23.5	20.5	91.1	22.08	19.1	0.0	72.4	72.4	2.4
22	16.0	23.7	20.1	82.5	19.78	17.2	0.0	0.0	0.0	3.4
23	17.5	24.5	20.7	88.9	22.00	18.9	1.0	22.5	23.5	5.8
24	18.0	23.8	20.1	90.3	21.26	18.5	0.0	1.8	1.8	3.7
25	17.4	23.0	19.5	92.7	21.11	18.3	0.0	7.9	7.9	0.6
26	17.6	23.3	19.9	90.7	21.21	18.4	18.3	37.5	55.8	0.9
27	16.0	22.0	19.0	91.8	20.25	17.6	0.3	10.2	10.5	0.3
28	16.7	22.8	18.9	87.8	19.60	17.1	0.0	8.9	8.9	0.4
29	16.8	23.4	19.4	94.2	21.53	18.6	11.8	1.3	13.1	3.5
30	16.4	22.3	18.8	94.0	20.39	17.8	0.0	0.0	0.0	0.7
31	17.4	22.5	19.2	93.2	21.01	18.2	0.0	0.4	0.4	0.8
PROM.	16.7	23.4	19.5	90.4	20.66	17.9	37.4	332.1	369.5	88.5

M E S – FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.6	23.4	19.3	89.5	20.13	17.6	0.0	6.0	6.0	2.7
2	16.9	23.9	19.4	90.9	20.79	18.1	0.0	26.9	26.9	4.0
3	16.8	23.8	18.7	88.3	19.42	17.0	18.3	31.8	50.1	0.9
4	16.0	21.3	18.1	91.6	19.17	16.8	0.0	0.0	0.0	0.2
5	16.4	22.4	19.0	83.9	18.52	16.2	0.0	0.2	0.2	1.1
6	17.2	24.3	20.4	87.2	20.76	18.1	0.0	0.0	0.0	4.6
7	17.4	24.0	19.7	89.1	20.60	17.9	0.0	26.1	26.1	4.1
8	15.8	24.6	20.6	82.9	20.36	17.6	0.0	30.4	30.4	5.3
9	16.3	22.6	19.1	90.2	20.03	17.5	0.5	0.0	0.5	2.5
10	16.6	22.5	19.1	90.0	19.98	17.5	0.0	0.6	0.6	2.5
11	16.4	21.2	18.1	91.0	18.72	16.5	0.4	0.0	0.4	0.0
12	17.3	22.8	19.6	84.6	19.37	17.0	0.0	37.3	37.3	3.3
13	16.4	23.2	19.2	89.5	19.69	17.3	0.8	0.5	1.3	2.1
14	16.6	23.6	19.9	87.2	20.54	17.8	0.0	6.6	6.6	4.7
15	16.7	23.8	19.8	83.1	19.31	17.0	0.0	0.0	0.0	9.3
16	15.6	22.6	18.6	84.0	17.94	15.8	0.0	0.0	0.0	7.2
17	14.7	22.4	18.5	88.3	18.62	16.3	0.2	0.0	0.2	1.8
18	16.5	23.8	20.2	76.4	18.18	15.9	0.0	0.4	0.4	6.3
19	16.0	23.5	19.4	90.8	20.45	17.9	5.9	0.9	6.8	2.3
20	17.0	22.4	19.2	89.4	19.90	17.4	0.0	0.2	0.2	1.2
21	17.6	23.7	19.8	92.2	21.46	18.6	0.0	0.0	0.0	1.6
22	18.0	22.7	18.4	95.3	20.07	17.5	14.7	0.0	14.7	1.0
23	17.3	21.5	17.9	91.2	18.77	16.5	23.6	20.5	44.1	0.1
24	15.1	21.4	17.9	94.1	19.37	16.9	11.5	1.5	13.0	2.2
25	16.6	21.5	18.8	92.4	20.13	17.6	1.6	12.9	14.5	0.5
26	16.5	22.4	19.0	91.9	20.30	17.7	0.1	0.0	0.1	0.9
27	17.3	24.5	20.6	85.5	20.72	18.1	0.0	0.0	0.0	6.4
28	17.8	26.6	22.6	75.2	20.73	18.0	0.0	0.0	0.0	7.4
PROM	16.6	23.1	19.3	88.1	19.79	17.3	77.6	202.8	280.4	86.2

ESTACION: SANTA ELENA MUNICIPIO: MARGUETALIA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 5-18 N. LONGITUD: 75-09 W.

M E S — MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.5	27.4	22.9	67.2	18.78	16.4	0.0	0.0	0.0	10.7
2	18.4	24.4	21.1	81.2	20.68	17.6	0.0	3.9	3.9	3.9
3	18.0	23.8	20.2	91.3	21.80	18.8	1.8	20.2	22.0	1.5
4	16.8	26.2	20.4	88.0	21.16	18.4	0.0	39.2	39.2	5.3
5	16.3	21.8	18.1	94.4	19.77	17.3	22.4	0.0	22.4	0.0
6	17.4	23.5	20.0	82.9	19.60	17.2	0.0	9.8	9.8	3.7
7	16.2	20.7	18.6	93.8	19.97	17.4	0.3	0.4	0.7	0.2
8	15.6	21.4	18.7	89.5	19.45	17.0	37.9	0.0	37.9	0.0
9	17.0	22.8	19.3	90.9	20.56	17.9	0.0	59.8	59.8	2.7
10	14.7	21.2	18.0	90.5	18.80	16.5	0.0	0.3	0.3	0.5
11	16.6	20.0	17.8	97.0	20.13	17.6	2.3	0.9	3.2	0.0
12	15.4	18.0	16.7	96.6	18.44	16.2	0.0	6.1	6.1	0.0
13	15.3	18.2	16.2	97.4	18.00	15.8	0.3	3.0	3.3	0.0
14	15.4	20.0	17.5	95.2	18.91	16.6	0.0	41.5	41.5	0.0
15	15.0	22.2	18.9	91.5	20.22	17.7	0.5	42.2	42.7	0.7
16	16.2	20.5	17.7	94.1	19.48	17.1	3.2	15.8	19.0	0.0
17	14.5	22.4	18.7	83.0	18.14	15.8	0.0	57.7	57.7	2.4
18	16.0	23.7	19.2	86.7	19.65	17.1	0.0	67.9	67.9	3.1
19	15.5	21.6	18.4	91.5	19.59	17.1	2.3	0.4	2.7	0.0
20	16.4	20.9	18.1	89.7	18.78	16.5	7.1	6.0	13.1	0.0
21	15.8	21.8	18.6	87.2	18.70	16.4	8.8	5.4	14.2	1.3
22	15.2	22.6	17.6	87.9	18.25	16.0	13.2	1.5	14.7	2.5
23	15.4	23.6	18.8	87.6	18.90	16.6	0.0	32.9	32.9	3.6
24	15.5	22.6	18.8	86.8	18.95	16.6	1.5	0.0	1.5	0.4
25	16.3	23.8	19.6	83.1	19.23	16.7	0.0	10.3	10.3	3.4
26	16.4	23.2	19.6	86.9	20.08	17.5	0.0	32.1	32.1	2.3
27	15.5	23.6	19.4	86.1	19.61	17.1	7.0	8.7	15.7	1.3
28	16.2	23.8	19.4	88.6	20.24	17.6	0.3	15.1	15.4	1.7
29	16.4	23.4	18.9	84.5	18.77	16.5	0.0	0.0	0.0	3.4
30	15.5	24.3	19.3	82.7	18.83	16.4	0.0	0.6	0.6	5.2
31	16.8	21.8	18.5	93.2	20.14	17.6	7.0	1.4	8.4	1.2
PROM.	16.1	22.4	18.9	88.6	19.47	17.0	115.9	483.1	599.0	61.0

M E S — ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.5	23.3	19.1	88.6	19.86	17.4	0.0	0.0	0.0	1.9
2	17.2	22.5	19.3	89.5	20.13	17.6	0.0	33.1	33.1	0.6
3	16.5	21.4	18.8	91.4	19.59	17.5	0.2	3.1	3.3	0.1
4	17.0	22.4	19.3	89.5	20.04	17.5	0.0	0.0	0.0	1.6
5	17.6	25.0	20.7	87.1	21.48	18.6	1.6	0.0	1.6	5.4
6	17.4	24.0	19.9	88.3	20.60	17.9	0.0	0.0	0.0	2.2
7	17.7	25.8	21.6	75.2	19.46	17.0	0.0	1.8	1.8	8.4
8	17.6	25.6	20.8	87.0	21.71	18.7	0.0	5.0	5.0	3.6
9	18.0	24.4	20.9	85.2	21.10	18.3	0.0	0.2	0.2	4.6
10	18.3	22.8	20.1	90.7	21.47	18.6	0.0	0.0	0.0	1.3
11	18.4	25.6	22.3	78.3	21.08	18.3	0.0	76.3	76.3	5.5
12	16.5	24.0	19.6	88.9	20.46	17.8	0.0	18.5	18.5	2.1
13	16.7	25.0	20.8	85.0	20.98	18.1	0.0	13.7	13.7	4.3
14	17.7	22.5	20.0	93.6	21.81	18.9	0.0	0.1	0.1	0.1
15	18.0	23.0	20.6	90.3	22.10	19.1	14.0	0.0	14.0	0.1
16	18.8	25.2	21.5	84.7	22.03	18.9	0.0	18.6	18.6	4.9
17	16.5	25.4	21.2	82.9	21.23	18.3	0.0	0.0	0.0	6.2
18	18.2	26.2	21.9	83.0	22.22	19.0	0.0	6.8	6.8	6.1
19	18.5	24.0	21.4	85.8	22.14	19.0	0.0	10.3	10.3	4.3
20	16.6	21.8	19.0	91.2	20.04	17.4	0.6	0.0	0.6	0.0
21	17.6	24.1	20.6	88.2	21.54	18.6	0.0	27.8	27.8	3.0
22	17.2	23.2	20.3	94.5	22.53	19.3	0.0	0.0	0.0	2.4
23	17.9	24.2	19.9	91.6	21.26	18.4	0.3	0.2	0.5	2.4
24	18.7	24.0	20.5	90.2	22.07	19.1	0.0	0.0	0.0	3.1
25	18.2	25.9	21.5	83.3	21.73	18.7	0.0	0.2	0.2	8.1
26	18.4	23.8	20.2	89.2	21.36	18.5	0.0	0.6	0.6	2.8
27	16.6	24.2	19.5	89.4	20.38	17.8	8.9	11.4	20.3	3.5
28	17.3	24.5	19.9	90.4	21.06	18.2	0.1	0.0	0.1	1.6
29	17.8	24.4	20.9	84.1	21.13	18.3	0.0	19.2	19.2	1.5
30	17.4	23.9	20.5	87.0	20.94	18.1	0.0	0.0	0.0	3.1
PROM	17.6	24.1	20.4	87.5	21.13	18.3	25.7	248.9	272.6	94.8

ESTACION: SANTA ELENA MUNICIPIO: MARQUETALIA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 5-18 N. LONGITUD: 75-09 W.

M E S — MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.2	23.7	19.2	88.5	20.92	18.0	30.1	3.1	33.2	2.1
2	16.5	24.0	19.8	84.0	19.59	17.1	0.0	0.4	0.4	6.2
3	16.6	23.0	19.1	92.3	20.53	17.9	0.0	0.0	0.0	0.3
4	17.0	24.7	20.8	79.3	19.54	17.1	0.0	15.5	15.5	8.9
5	17.1	26.8	20.2	87.5	21.01	18.1	0.0	14.5	14.5	3.1
6	17.0	23.4	19.5	85.2	19.69	17.2	0.0	0.0	0.0	2.2
7	17.7	25.4	21.1	80.1	20.43	17.7	0.0	35.5	35.5	4.5
8	15.9	23.0	18.8	89.9	19.63	17.2	0.0	9.9	9.9	0.5
9	15.8	24.6	20.0	84.1	19.58	17.1	0.0	8.8	8.8	3.8
10	16.8	22.0	19.5	92.4	20.84	18.1	8.6	0.0	8.6	1.9
11	17.6	25.0	22.0	76.9	20.34	17.8	0.0	9.7	9.7	9.7
12	17.3	24.0	20.9	90.6	22.51	19.3	0.0	14.1	14.1	4.1
13	16.2	22.6	18.9	88.9	19.04	16.7	0.4	0.2	0.6	2.5
14	17.3	24.4	20.0	89.7	21.15	18.4	0.0	2.6	2.6	4.2
15	17.2	25.0	20.7	91.9	22.57	19.4	0.0	0.7	0.7	7.0
16	18.2	26.8	21.8	88.1	23.43	20.0	0.0	0.0	0.0	8.5
17	18.7	26.2	22.4	80.9	22.30	19.2	0.0	0.0	0.0	6.4
18	19.5	27.1	21.7	74.2	19.32	16.9	0.0	0.0	0.0	7.4
19	18.0	25.2	21.2	82.2	21.24	18.3	0.0	0.0	0.0	6.2
20	16.5	25.6	22.3	80.8	22.16	19.1	0.0	0.0	0.0	9.0
21	17.8	24.9	21.1	82.1	20.87	18.1	0.1	0.0	0.1	2.9
22	17.8	25.7	21.5	73.7	19.35	17.0	0.0	0.0	0.0	6.6
23	18.1	25.4	20.0	83.3	19.71	17.3	0.0	0.5	0.5	2.6
24	17.5	23.8	19.8	92.0	21.36	18.6	0.0	67.7	67.7	3.3
25	16.5	22.4	18.4	94.7	20.24	17.6	0.4	0.4	0.8	0.2
26	17.2	23.5	19.2	92.8	20.84	18.1	0.8	0.0	0.8	2.1
27	17.5	25.5	21.0	87.4	21.98	19.0	0.0	0.0	0.0	6.3
28	17.2	24.5	19.3	83.3	19.09	16.7	3.3	0.0	3.3	2.1
29	16.9	23.0	19.9	88.7	20.88	18.1	0.0	0.0	0.0	5.1
30	17.6	25.0	21.7	83.8	21.68	18.7	0.0	0.0	0.0	6.0
31	18.8	24.9	21.2	89.2	22.60	19.4	0.0	0.0	0.0	3.4
PROM.	17.4	24.6	20.4	85.8	20.79	18.0	43.7	183.6	227.3	139.1

M E S — JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.8	27.5	22.4	81.3	22.43	19.3	0.0	6.0	6.0	0.0
2	17.2	24.2	20.8	90.3	22.23	19.1	0.0	31.1	31.1	3.7
3	16.4	21.6	18.4	92.8	19.76	17.3	5.0	0.0	5.0	0.1
4	17.9	24.6	20.6	83.1	20.23	17.6	0.0	0.0	0.0	7.6
5	18.4	24.5	21.2	90.3	23.04	19.7	13.7	0.0	13.7	4.4
6	18.2	22.0	19.8	94.9	22.04	19.1	2.4	28.4	30.8	0.3
7	16.8	25.4	20.0	82.3	19.21	16.8	4.3	0.0	4.3	5.8
8	16.7	24.5	20.6	89.2	21.97	18.9	0.0	1.0	1.0	4.1
9	18.4	24.2	20.4	91.8	22.28	19.2	0.0	0.0	0.0	3.2
10	19.0	26.0	21.4	90.0	23.21	19.8	0.0	3.1	3.1	7.3
11	18.0	26.3	21.8	85.2	22.62	19.5	0.0	5.3	5.3	8.9
12	17.8	26.0	21.7	83.0	21.67	18.8	0.0	1.7	1.7	8.5
13	17.2	23.1	20.0	88.7	20.97	18.2	0.1	0.6	0.7	0.3
14	17.5	25.7	21.8	81.5	21.57	18.6	0.0	0.0	0.0	8.7
15	19.1	26.3	22.1	81.9	22.00	19.0	0.0	0.0	0.0	9.2
16	17.7	27.8	22.2	60.4	16.49	13.9	0.0	0.0	0.0	7.6
17	18.8	25.5	21.5	75.5	19.71	17.2	0.0	0.0	0.0	4.5
18	18.3	25.0	21.5	83.0	21.59	18.7	0.0	2.0	2.0	5.2
19	17.8	24.2	20.8	85.9	21.22	18.4	0.0	12.8	12.8	2.4
20	17.7	24.6	19.8	89.4	21.27	18.3	1.6	0.0	1.6	1.8
21	17.4	24.3	19.5	90.5	20.81	18.1	1.5	2.6	4.1	2.7
22	18.0	24.4	20.8	91.4	22.57	19.4	0.0	15.9	15.9	3.8
23	16.0	23.0	19.7	86.4	19.68	17.2	28.5	0.0	28.5	1.5
24	17.4	24.8	20.9	89.1	22.20	19.1	0.0	11.3	11.3	3.4
25	16.3	20.5	17.5	95.7	19.20	16.8	19.5	0.0	19.5	2.8
26	16.9	23.5	20.1	89.7	21.14	18.3	0.0	6.7	6.7	3.3
27	17.2	24.4	20.1	91.1	21.71	18.7	0.6	120.5	121.1	4.3
28	15.4	24.8	20.1	89.9	21.23	18.4	0.7	1.2	1.9	4.1
29	17.0	26.0	21.0	84.9	21.51	18.6	0.0	0.7	0.7	7.5
30	17.4	24.2	20.6	86.3	21.21	18.4	0.0	5.0	5.0	1.5
PROM	17.6	24.6	20.6	86.5	21.23	18.3	77.9	255.5	333.8	128.5

ESTACION: SANTA ELENA MUNICIPIO: MARQUETALIA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 5-18 N. LONGITUD: 75-09 W.

M E S – JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.4	24.6	20.9	80.4	19.91	17.4	0.0	15.4	15.4	7.5
2	15.4	20.6	18.8	88.7	19.28	16.9	0.5	0.0	0.5	0.4
3	18.4	26.0	21.5	73.6	19.06	16.7	0.0	0.0	0.0	10.1
4	17.7	26.7	22.1	67.7	18.46	16.1	0.0	0.0	0.0	9.2
5	18.3	24.2	19.9	84.2	19.55	17.2	0.0	0.0	0.0	3.7
6	17.4	25.8	20.4	82.1	20.42	17.7	0.0	0.0	0.0	8.2
7	16.7	23.4	20.2	79.5	18.85	16.5	0.0	0.0	0.0	7.1
8	16.8	24.8	20.9	62.1	15.31	13.3	0.0	0.0	0.0	9.2
9	16.3	24.5	21.2	64.4	15.97	13.9	0.0	0.0	0.0	8.1
10	16.4	25.5	21.4	65.4	16.21	14.2	0.0	0.0	0.0	8.7
11	16.8	26.3	22.1	65.0	17.27	15.2	0.0	0.0	0.0	10.8
12	17.5	26.4	22.0	60.8	16.05	14.0	0.0	0.0	0.0	10.2
13	18.2	26.2	22.7	64.5	17.87	15.7	0.0	0.0	0.0	9.6
14	18.5	26.5	23.1	67.2	19.06	16.7	0.0	0.0	0.0	8.9
15	18.6	26.8	23.5	65.2	18.89	16.5	0.0	0.0	0.0	10.4
16	17.6	24.7	21.1	73.0	18.16	16.0	0.0	0.0	0.0	5.5
17	16.8	24.0	21.2	62.7	15.57	13.6	0.0	0.0	0.0	3.7
18	19.5	27.5	21.8	58.3	15.17	13.2	0.0	0.0	0.0	4.8
19	18.4	26.5	22.4	69.2	18.64	16.4	0.0	33.0	33.0	4.9
20	16.4	24.8	20.4	84.1	19.98	17.4	0.0	0.0	0.0	4.6
21	17.6	23.5	21.3	85.5	21.53	18.7	0.0	12.1	12.1	0.9
22	17.8	21.6	19.1	93.1	20.75	18.1	1.4	0.0	1.4	0.5
23	17.1	24.4	20.1	91.6	21.60	18.7	0.0	9.4	9.4	3.5
24	16.8	25.0	20.1	88.1	20.95	18.1	1.2	0.0	1.2	2.8
25	18.4	24.3	18.8	87.4	19.97	17.3	2.9	2.8	5.7	3.8
26	16.2	23.2	19.8	83.8	19.62	17.1	0.1	0.0	0.1	0.9
27	18.2	23.8	20.1	93.2	22.03	19.0	0.0	0.0	0.0	2.8
28	17.6	23.2	19.8	92.6	21.47	18.6	1.1	0.0	1.1	1.1
29	17.2	26.6	21.7	85.2	22.35	19.2	0.0	46.3	46.3	7.5
30	16.8	27.2	21.6	79.9	20.55	17.8	0.0	13.4	13.4	7.4
31	17.4	25.0	20.8	88.1	21.74	18.8	0.0	17.0	17.0	7.6
PROM.	17.4	25.0	21.0	77.0	19.11	16.6	7.2	149.4	156.6	184.4

M E S – AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.8	25.0	20.8	81.6	19.64	17.2	0.0	0.0	0.0	8.6
2	18.2	25.8	21.8	80.0	21.29	18.4	0.0	0.0	0.0	7.2
3	17.7	25.9	20.9	76.7	19.27	16.8	0.0	8.9	8.9	8.7
4	16.3	25.0	21.1	76.3	18.76	16.4	0.0	0.0	0.0	6.8
5	17.8	26.2	23.1	70.2	19.47	17.0	0.0	9.5	9.5	8.6
6	16.4	25.3	21.5	67.7	16.98	14.9	0.0	0.0	0.0	9.0
7	17.5	25.7	21.5	77.6	20.12	17.5	0.0	0.0	0.0	10.5
8	19.4	27.3	22.1	81.2	21.99	19.0	0.0	5.9	5.9	9.6
9	16.8	26.3	21.1	80.9	20.79	18.1	0.0	10.4	10.4	7.4
10	17.4	23.8	21.2	79.8	19.98	17.4	0.0	8.2	8.2	1.9
11	16.2	24.5	20.6	76.7	18.11	15.9	0.0	0.0	0.0	7.0
12	17.1	24.8	21.4	81.7	20.42	17.8	0.0	17.7	17.7	5.4
13	16.8	25.6	22.1	74.9	19.57	17.0	0.0	1.2	1.2	7.7
14	17.8	23.6	20.7	83.8	20.28	17.8	2.7	0.0	2.7	3.0
15	17.7	24.8	21.8	78.1	20.19	17.6	0.0	0.0	0.0	4.0
16	18.2	25.4	21.7	71.9	18.56	16.3	0.0	1.2	1.2	8.5
17	17.5	23.5	20.8	76.1	18.50	16.2	0.0	0.0	0.0	0.8
18	18.0	25.9	22.6	66.1	18.02	15.8	0.0	0.0	0.0	10.1
19	17.8	25.6	21.7	66.7	17.41	15.3	0.0	0.0	0.0	6.8
20	17.4	24.4	20.6	91.0	22.38	19.3	0.0	3.9	3.9	4.0
21	17.3	23.5	20.3	89.5	21.37	18.5	0.0	19.7	19.7	5.1
22	16.2	25.0	20.8	73.7	17.90	15.8	0.0	20.0	20.0	8.3
23	16.0	24.2	20.6	82.1	20.03	17.3	0.1	1.4	1.5	3.2
24	16.6	26.0	20.9	80.4	20.00	17.9	0.0	0.0	0.0	9.9
25	16.4	23.5	19.7	87.1	20.50	17.9	0.0	6.4	6.4	4.2
26	16.8	24.6	20.5	86.2	20.87	18.2	0.1	13.1	13.2	8.4
27	16.7	24.5	21.1	81.0	19.76	17.2	0.0	0.0	0.0	3.4
28	17.2	26.4	21.2	79.2	20.10	17.5	0.0	22.9	22.9	6.1
29	16.0	25.6	19.4	87.5	19.67	17.2	5.3	19.4	24.7	4.1
30	15.2	23.2	18.5	85.3	18.59	16.2	0.0	0.4	0.4	3.7
31	16.0	24.6	19.3	83.3	18.82	16.5	0.0	0.0	0.0	4.9
PROM	17.0	25.0	21.0	79.2	19.66	17.1	8.2	170.2	178.4	196.9

ESTACION: SANTA ELENA MUNICIPIO: MARQUETALIA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 5-18 N. LONGITUD: 75-09 W.

M E S – SEPTIEMBRE

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.4	24.8	20.8	81.2	20.28	17.7	0.0	16.7	16.7	9.8
2	15.6	25.8	21.9	76.0	19.79	17.2	0.0	2.3	2.3	8.2
3	17.4	23.8	21.0	81.2	19.69	17.3	0.0	61.2	61.2	5.2
4	15.4	24.2	19.2	92.1	20.64	17.9	0.0	0.2	0.2	3.4
5	17.0	22.4	18.7	89.6	19.74	17.3	1.9	7.3	9.2	1.4
6	16.2	22.6	18.6	88.4	19.23	16.9	42.2	0.1	42.3	1.3
7	17.5	22.4	19.5	92.9	21.13	18.4	0.0	8.1	8.1	1.9
8	16.5	23.6	19.6	85.4	19.75	17.2	0.0	0.3	0.3	3.2
9	17.1	24.0	20.7	87.8	21.68	18.8	0.0	87.2	87.2	6.5
10	15.2	23.8	19.4	83.6	18.88	16.5	1.0	0.6	1.6	3.9
11	17.0	24.5	20.8	87.2	21.72	18.8	0.0	8.7	8.7	6.7
12	15.5	24.8	20.2	82.4	19.57	17.1	0.0	13.0	13.0	8.8
13	16.0	24.5	20.9	75.1	18.35	16.1	0.0	29.5	29.5	9.2
14	15.5	23.6	19.7	85.3	19.60	17.1	0.0	3.1	3.1	4.9
15	16.0	25.0	21.4	81.1	20.56	17.8	0.0	3.2	3.2	8.2
16	17.2	25.2	21.1	80.4	20.27	17.6	0.0	0.0	0.0	7.2
17	17.8	25.5	22.6	67.2	18.48	16.2	0.0	0.0	0.0	9.8
18	15.9	24.4	21.1	69.8	17.00	14.9	0.0	0.0	0.0	8.1
19	17.4	25.5	21.0	80.5	19.95	17.4	0.0	35.9	35.9	5.1
20	16.4	18.8	17.7	95.2	19.23	16.9	7.8	0.0	7.8	0.0
21	16.8	24.0	19.9	85.5	19.99	17.4	0.0	31.7	31.7	5.9
22	15.8	22.6	18.4	90.8	19.31	16.9	0.0	2.5	2.5	1.6
23	15.7	24.2	20.0	81.0	19.03	16.7	3.3	4.2	7.5	6.1
24	17.0	24.7	20.6	85.4	20.81	18.1	1.6	13.8	15.4	4.2
25	14.9	25.3	20.2	80.9	19.51	17.1	0.0	5.2	5.2	7.4
26	16.7	22.7	19.4	86.9	19.49	17.1	0.0	18.3	18.3	5.2
27	15.5	21.6	18.7	92.4	19.91	17.4	0.9	38.2	39.1	1.1
28	15.4	22.7	19.1	89.1	19.73	17.2	1.7	53.9	55.6	3.1
29	15.2	22.5	19.5	83.5	18.82	16.5	0.0	0.0	0.0	4.7
30	17.5	23.5	20.5	85.8	20.52	17.8	0.0	0.0	0.0	6.1
PROM.	16.3	23.8	20.1	84.1	19.75	17.2	60.4	445.2	505.6	158.2

M E S – OCTUBRE

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	26.6	22.3	69.7	19.02	16.6	0.0	30.2	30.2	9.6
2	15.8	22.3	19.2	91.4	20.49	17.8	6.4	30.0	36.4	0.3
3	15.4	23.0	18.7	84.9	18.63	16.2	0.1	36.5	36.6	4.1
4	16.4	22.5	18.6	89.7	18.90	16.6	2.0	32.5	34.5	2.4
5	15.2	21.2	18.4	91.0	19.09	16.8	0.8	0.0	0.8	2.4
6	16.7	25.4	20.5	83.8	20.63	17.9	0.0	13.5	13.5	8.4
7	16.0	24.2	21.0	79.0	19.84	17.4	0.0	4.2	4.2	9.4
8	16.6	23.5	20.0	87.0	20.62	18.0	0.0	14.6	14.6	5.0
9	16.4	20.7	18.5	89.6	19.11	16.7	5.0	0.0	5.0	2.8
10	17.4	23.4	19.9	92.1	21.43	18.6	0.0	26.0	26.0	4.3
11	16.3	21.4	18.1	88.0	18.57	16.3	16.2	4.5	20.7	1.0
12	16.4	22.6	18.4	91.7	19.47	17.1	0.2	2.0	2.2	1.2
13	16.5	23.8	19.4	91.1	20.86	18.1	0.9	3.9	4.8	4.9
14	16.7	22.8	19.4	90.8	20.65	18.0	17.8	3.4	21.2	1.8
15	16.6	23.5	19.7	87.2	20.13	17.5	0.0	8.2	8.2	5.9
16	17.0	24.4	19.9	87.8	20.72	18.0	0.0	12.2	12.2	7.1
17	16.4	23.6	20.4	85.3	20.57	17.9	0.0	21.5	21.5	7.0
18	15.6	22.9	20.1	85.6	20.44	17.7	0.0	20.2	20.2	6.0
19	15.5	22.6	19.2	89.1	19.65	17.2	3.2	0.4	3.6	4.1
20	17.4	24.0	20.3	90.3	21.44	18.6	6.6	9.9	16.5	7.4
21	16.5	24.5	20.3	90.4	21.63	18.7	0.0	4.1	4.1	5.8
22	16.4	22.2	19.3	87.3	19.92	17.2	0.0	0.0	0.0	5.4
23	18.2	23.6	20.2	81.9	19.46	17.1	0.0	12.2	12.2	4.9
24	16.3	20.4	18.7	91.3	19.83	17.3	22.1	2.1	24.2	1.0
25	17.0	23.5	19.5	90.7	20.69	18.0	0.0	16.3	16.3	3.4
26	16.8	23.4	19.7	88.9	20.63	17.9	0.0	0.6	0.6	5.1
27	17.5	22.4	19.3	91.5	20.71	18.0	0.0	21.8	21.8	2.3
28	16.2	21.8	19.3	93.1	20.68	18.0	0.0	0.0	0.0	2.3
29	17.4	21.6	19.7	88.5	20.50	17.9	0.0	1.6	1.6	0.6
30	17.5	23.6	19.7	92.6	21.33	18.5	0.0	0.1	0.1	3.7
31	17.0	21.8	19.5	87.6	19.96	17.5	0.0	22.2	22.2	0.9
PROM	16.6	23.0	19.6	88.0	20.18	17.6	81.3	354.7	436.0	129.9

ESTACION: SANTA ELENA MUNICIPIO: MARQUETALIA AÑO: 1.985

ALTITUD: 1.450 LATITUD: 5-18 N. LONGITUD: 75-09 W.

M E S – NOVIEMBRE

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.2	23.5	19.6	90.3	20.90	18.2	0.0	15.2	15.2	2.3
2	16.8	23.4	19.6	92.9	21.42	18.6	0.6	36.1	36.7	3.4
3	17.0	23.2	19.5	92.4	21.01	18.3	3.5	10.0	13.5	2.7
4	17.2	22.5	19.2	94.3	21.15	18.4	1.1	62.1	63.2	2.7
5	16.0	21.8	19.6	94.1	21.56	18.7	0.0	0.0	0.0	1.3
6	18.0	23.9	20.4	87.7	21.43	18.5	0.0	61.5	61.5	7.1
7	17.4	22.7	19.5	92.0	20.87	18.1	0.4	31.1	31.5	2.2
8	17.0	19.7	18.3	94.1	19.75	17.3	0.4	52.0	52.4	0.1
9	16.4	22.7	19.5	90.2	20.50	17.8	0.0	86.5	86.5	5.7
10	16.5	21.3	18.6	92.4	19.95	17.5	5.2	15.7	20.9	1.0
11	16.7	23.4	19.1	89.8	20.25	17.7	6.5	70.8	77.3	5.6
12	16.4	21.7	18.3	93.6	20.03	17.5	0.1	3.5	3.6	1.5
13	16.6	22.7	19.0	90.5	19.91	17.4	0.0	0.0	0.0	4.3
14	16.5	23.2	19.8	89.2	20.74	18.0	0.0	0.0	0.0	5.2
15	18.1	23.0	20.2	92.3	21.94	19.0	0.0	5.6	5.6	4.0
16	17.5	24.2	20.4	91.1	22.00	19.0	0.1	106.4	106.5	4.2
17	15.7	22.0	19.4	83.1	18.75	16.4	0.0	1.4	1.4	2.0
18	17.0	23.8	20.6	86.7	21.07	18.2	0.0	0.0	0.0	6.7
19	18.5	24.7	22.0	79.5	21.33	18.5	0.0	0.0	0.0	7.1
20	18.4	24.9	21.3	86.2	22.28	19.2	0.0	4.4	4.4	4.6
21	17.4	23.5	19.6	87.5	20.22	17.5	0.0	0.0	0.0	3.7
22	17.5	22.4	19.4	93.0	20.91	18.2	6.5	6.2	12.7	2.6
23	18.2	23.0	20.6	90.4	22.22	19.1	0.0	0.0	0.0	2.6
24	18.4	25.2	20.8	84.3	20.99	18.2	0.0	0.0	0.0	6.4
25	18.2	23.0	20.0	90.7	21.20	18.4	0.0	17.3	17.3	4.6
26	17.2	22.0	19.2	95.9	21.32	18.5	0.0	0.0	0.0	2.8
27	17.4	23.5	20.3	92.2	22.12	19.1	0.0	0.0	0.0	4.6
28	18.6	24.6	20.8	94.4	23.37	20.0	0.0	17.9	17.9	4.1
29	16.2	24.0	20.6	87.7	21.60	18.7	0.0	0.5	0.5	5.0
30	17.0	22.8	19.3	92.7	21.00	18.2	0.0	0.0	0.0	5.1
PROM.	17.2	23.1	19.8	90.4	21.06	18.3	24.4	604.2	628.6	115.2

M E S – DICIEMBRE

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.1	22.0	19.0	93.2	20.72	18.1	0.0	6.9	6.9	2.1
2	16.2	19.0	17.6	95.2	19.24	16.9	16.4	33.8	50.2	0.0
3	16.0	22.9	19.5	90.2	20.83	18.1	0.0	1.8	1.8	5.9
4	16.1	21.5	18.3	94.5	19.98	17.5	0.0	11.8	11.8	1.1
5	16.0	20.7	18.2	94.1	19.73	17.3	22.4	37.6	60.0	2.7
6	15.5	23.9	19.3	92.6	20.75	18.0	0.0	0.0	0.0	6.2
7	16.8	24.0	20.3	87.0	20.83	18.0	0.0	0.0	0.0	6.0
8	18.0	24.1	20.6	85.4	20.86	18.1	0.0	5.8	5.8	4.0
9	17.8	24.0	20.7	86.6	21.37	18.5	0.2	135.0	135.2	3.2
10	16.5	24.1	20.0	92.9	21.78	18.8	0.0	16.2	16.2	2.8
11	17.4	23.4	20.0	94.1	22.27	19.1	10.9	21.5	32.4	3.0
12	17.3	23.2	19.4	86.9	19.94	17.4	0.0	5.4	5.4	5.7
13	17.4	23.1	19.9	91.7	21.59	18.6	0.0	8.3	8.3	4.6
14	18.0	21.7	19.4	93.5	21.34	18.5	0.0	0.0	0.0	1.3
15	16.8	24.4	19.9	84.1	19.89	17.3	0.0	0.0	0.0	7.7
16	16.5	23.5	19.3	87.8	19.81	17.2	0.2	0.0	0.2	4.3
17	17.4	23.6	20.3	91.2	21.95	19.0	0.0	0.0	0.0	4.4
18	17.6	23.8	19.5	91.4	20.80	17.9	0.0	0.0	0.0	5.8
19	16.9	25.0	20.0	85.0	20.36	17.6	0.0	0.0	0.0	7.0
20	17.4	24.8	20.2	86.5	20.83	18.0	0.0	13.4	13.4	4.5
21	16.6	23.9	20.4	91.0	22.23	19.2	0.0	4.2	4.2	5.0
22	17.6	23.5	19.9	90.8	21.22	18.4	0.0	0.9	0.9	5.2
23	18.0	22.4	19.4	95.2	21.52	18.7	13.3	0.8	14.1	2.0
24	17.5	22.8	19.3	91.4	20.81	18.1	0.0	0.0	0.0	2.2
25	17.4	22.2	19.5	89.0	20.54	17.9	0.0	7.4	7.4	1.2
26	16.6	22.7	19.1	92.4	20.73	18.0	0.0	21.0	21.0	3.7
27	16.4	20.6	18.3	91.9	19.52	17.1	1.7	18.0	19.7	0.5
28	16.0	21.5	18.5	93.2	19.89	17.4	0.0	56.2	56.2	1.7
29	16.4	22.4	18.8	84.8	18.52	16.3	0.0	44.0	44.0	7.1
30	15.9	23.6	19.3	83.0	18.91	16.5	0.0	27.5	27.5	6.9
31	16.4	23.4	19.4	85.8	19.66	17.2	0.0	12.2	12.2	8.8
PROM	16.9	23.0	19.5	90.1	20.59	17.9	65.1	489.7	554.8	126.6

ESTACION: SANTA ELENA MUNICIPIO: MARQUETALIA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 5-18 N. LONGITUD: 75-09 W.

MESES	TEMPERATURA oC					Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	16.7	23.4	19.5	15.4	24.9	90.4	20.66	17.9	369.5	25	88.5
FEBRERO	16.6	23.1	19.3	14.7	26.6	88.1	19.79	17.3	280.4	21	86.2
MARZO	16.1	22.4	18.9	14.5	27.4	88.6	19.47	17.0	599.0	29	61.0
ABRIL	17.6	24.1	20.4	16.5	26.2	87.5	21.13	18.3	272.6	22	94.8
MAYO	17.4	24.6	20.4	15.8	27.1	85.8	20.79	18.0	227.3	19	139.1
JUNIO	17.6	24.6	20.6	15.4	27.8	86.5	21.23	18.3	333.8	24	128.5
JULIO	17.4	25.0	21.0	15.4	27.5	77.0	19.11	16.6	156.6	13	184.4
AGOSTO	17.0	25.0	21.0	15.2	27.3	79.2	19.66	17.1	178.4	18	196.9
SEPTIEMBRE	16.3	23.8	20.1	14.9	25.8	84.1	19.75	17.2	505.6	25	158.2
OCTUBRE	16.6	23.0	19.6	15.2	26.0	88.0	20.18	17.6	436.0	29	129.9
NOVIEMBRE	17.2	23.1	19.8	15.7	25.2	90.4	21.06	18.3	628.6	19	115.2
DICIEMBRE	16.9	23.0	19.5	15.5	25.0	90.1	20.59	17.9	554.8	23	126.6
PROMEDIO	17.0	23.8	20.0	15.4	26.4	86.3	20.28	17.6			
TOTAL									4542.6	267	1509.3

ESTACION: AGRONOMIA MUNICIPIO: MANIZALES AÑO: 1.989

ALTITUD: 2.150 LATITUD: 5-03 N. LONGITUD: 75-29 W.

M E S – ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	12.0	18.4	15.0	91.4	15.63	13.6	14.5	1.3	15.8	3.2
2	12.2	19.0	15.6	89.1	15.72	13.7	0.0	0.0	0.0	0.2
3	11.8	20.5	16.0	86.5	15.62	13.6	0.0	0.0	0.0	1.9
4	12.0	20.0	15.4	89.7	15.69	13.7	4.0	2.7	6.7	1.5
5	12.5	20.2	15.2	87.2	14.95	13.0	0.0	0.0	0.0	2.4
6	12.4	22.0	17.2	79.7	15.43	13.4	0.0	0.0	0.0	4.5
7	12.5	21.4	17.0	81.6	15.55	13.6	0.0	0.0	0.0	8.3
8	13.0	22.0	16.5	79.9	14.83	12.9	0.0	0.0	0.0	3.3
9	11.0	22.5	15.8	75.3	13.64	11.5	0.1	0.0	0.1	5.7
10	11.8	19.4	14.8	90.6	15.13	13.1	0.0	0.0	0.0	5.5
11	12.0	20.0	15.3	82.6	14.33	12.3	0.9	0.0	0.9	1.8
12	12.2	20.2	15.4	84.0	14.61	12.6	0.0	0.0	0.0	3.7
13	13.0	18.4	15.2	89.2	15.51	13.9	0.8	1.0	1.8	0.8
14	12.4	22.2	16.5	81.2	15.00	13.0	0.0	0.0	0.0	4.8
15	12.8	21.6	16.6	78.8	14.82	12.9	0.0	0.0	0.0	2.7
16	12.5	22.1	16.8	74.9	13.98	12.0	0.3	0.0	0.3	5.4
17	12.8	23.5	17.4	79.1	15.25	13.2	0.0	6.9	6.9	2.3
18	13.4	21.2	17.4	78.3	15.23	13.3	0.0	0.0	0.0	2.2
19	13.2	20.4	16.6	83.9	15.77	13.8	0.0	0.0	0.0	2.1
20	13.0	19.8	15.9	85.2	15.52	13.5	0.4	0.0	0.4	1.9
21	13.1	20.8	15.6	83.6	14.99	13.0	0.6	0.0	0.6	3.9
22	12.8	21.8	17.6	79.6	15.64	13.7	0.0	0.0	0.0	
23	12.5	22.8	17.8	76.2	15.08	13.1	0.0	0.0	0.0	6.2
24	13.0	22.5	17.3	79.0	15.54	13.5	0.0	0.0	0.0	5.3
25	12.4	20.4	15.4	89.6	15.84	13.8	0.6	0.0	0.6	3.0
26	12.5	22.0	16.7	83.2	15.59	13.5	9.1	8.9	18.0	0.3
27	13.8	17.4	15.4	95.3	16.67	14.7	16.4	26.8	43.2	0.0
28	13.3	17.5	15.0	95.2	16.23	14.2	1.9	0.0	1.9	0.0
29	13.2	21.2	16.7	80.1	14.93	13.0	0.0	0.0	0.0	3.5
30	13.0	19.4	16.0	88.4	16.09	14.1	0.0	0.0	0.0	0.2
31	12.7	20.0	14.8	90.7	15.49	13.5	10.6	0.0	10.6	1.4
PROM.	12.6	20.7	16.1	84.2	15.30	13.3	60.2	47.6	107.8	

M E S – FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	12.5	16.8	14.5	96.0	15.63	13.6	1.2	0.0	1.2	0.1
2	12.8	22.0	15.5	83.5	14.87	12.9	21.0	0.0	21.0	5.9
3	12.0	19.0	14.5	87.7	14.67	12.7	10.7	10.3	21.0	0.0
4	12.4	17.2	14.5	89.5	14.79	12.8	1.2	0.0	1.2	0.1
5	11.7	20.5	15.6	82.5	14.40	12.4	0.2	0.0	0.2	4.2
6	11.8	22.0	16.5	77.3	14.28	12.2	0.0	0.0	0.0	7.1
7	12.8	21.8	15.3	84.5	14.81	12.9	4.1	0.0	4.1	5.6
8	12.0	21.6	16.6	83.6	15.54	13.5	0.0	0.0	0.0	4.7
9	13.5	20.5	15.6	86.6	15.39	13.4	0.0	3.0	3.0	1.9
10	13.0	21.5	15.5	88.1	15.59	13.6	13.7	0.0	13.7	2.7
11	13.1	17.6	14.8	90.8	15.40	13.4	11.6	1.1	12.7	0.0
12	13.0	20.8	15.9	83.5	14.98	13.0	1.0	0.0	1.0	2.3
13	13.2	18.8	15.4	87.7	15.33	13.4	0.1	0.0	0.1	0.0
14	11.5	22.0	16.5	76.7	14.07	12.0	0.0	0.0	0.0	6.7
15	12.8	22.8	17.7	73.2	14.34	12.4	0.0	0.4	0.4	7.8
16	11.0	22.4	16.9	68.5	12.83	10.7	0.0	3.7	3.7	9.2
17	13.2	19.5	15.6	88.9	15.61	13.7	0.0	0.0	0.0	3.2
18	10.5	23.0	16.5	63.5	11.77	9.3	0.0	0.0	0.0	9.3
19	12.8	24.6	17.4	71.6	14.15	12.2	0.0	0.0	0.0	5.7
20	12.6	21.5	17.2	80.6	15.56	13.6	0.0	0.0	0.0	3.8
21	13.8	20.8	16.1	85.6	15.82	13.8	10.1	0.0	10.1	1.3
22	12.4	18.0	15.1	93.3	16.11	14.1	3.9	0.0	3.9	1.3
23	12.0	18.4	14.1	97.3	15.78	13.8	9.0	0.0	9.0	1.3
24	10.4	23.2	17.3	63.5	12.20	9.7	0.0	0.0	0.0	7.2
25	12.6	22.3	17.4	78.2	15.36	13.4	0.0	4.8	4.8	2.4
26	13.4	19.2	16.0	92.1	16.75	14.7	2.9	0.0	2.9	0.3
27	12.8	22.0	17.3	79.6	15.45	13.4	0.0	0.2	0.2	4.4
28	13.4	22.5	18.0	80.9	16.28	14.3	0.0	0.0	0.0	4.6
PROM	12.5	20.8	16.0	82.7	14.92	12.9	90.7	23.5	114.2	103.1

ESTACION: AGRONOMIA MUNICIPIO: MANIZALES AÑO: 1.989

ALTITUD: 2.150 LATITUD: 5-03 N. LONGITUD: 75-29 W.

M E S – MARZO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	13.0	24.2	18.1	68.5	13.81	11.7	0.0	0.0	0.0	9.8
2	12.8	23.0	17.6	76.3	15.07	13.1	0.0	0.0	0.0	5.3
3	13.0	22.8	17.1	85.2	16.80	14.7	0.2	0.3	0.5	4.4
4	13.6	20.4	16.3	85.0	15.48	13.5	0.0	1.1	1.1	1.1
5	13.0	16.0	14.5	94.2	15.44	13.5	0.0	0.0	0.0	0.0
6	11.2	22.8	16.8	78.0	14.61	12.5	0.0	10.1	10.1	8.0
7	12.8	20.6	15.9	88.2	15.96	14.0	5.4	1.4	6.8	2.4
8	13.0	19.0	15.2	90.8	15.86	13.9	3.9	0.0	3.9	1.3
9	12.5	22.0	16.4	82.0	14.87	12.9	0.1	0.0	0.1	3.5
10	12.0	22.4	17.5	74.9	14.65	12.7	0.0	0.5	0.5	5.1
11	13.5	20.0	15.8	88.1	15.90	13.9	6.3	0.5	6.8	1.5
12	13.6	19.0	16.0	88.9	15.99	14.0	12.7	0.0	12.7	0.4
13	13.2	19.8	15.3	90.2	15.84	13.9	12.3	6.3	18.6	0.6
14	12.8	16.8	14.1	97.3	15.71	13.7	1.5	1.4	2.9	0.0
15	12.8	17.3	14.7	93.2	15.66	13.7	6.5	15.9	22.4	0.0
16	12.0	19.4	14.7	95.4	15.84	13.8	0.0	7.0	7.0	0.0
17	12.0	21.8	16.3	77.6	14.01	11.8	0.0	0.0	0.0	8.1
18	12.1	21.6	16.6	70.5	13.40	11.3	0.4	0.1	0.5	
19	12.8	21.0	16.5	76.6	14.27	12.3	0.0	4.1	4.1	6.3
20	13.0	18.0	15.2	92.6	15.89	13.9	0.0	0.0	0.0	0.2
21	13.0	22.8	17.1	77.8	14.78	12.7	0.0	0.0	0.0	6.9
22	12.0	21.7	15.9	77.2	13.98	12.0	0.3	0.8	1.1	6.0
23	12.4	23.0	16.7	71.4	13.19	11.1	0.0	16.5	16.5	6.5
24	12.0	21.5	16.9	82.0	15.37	13.3	2.5	0.0	2.5	3.9
25	11.9	22.8	16.2	65.6	11.95	9.6	0.0	3.3	3.3	9.7
26	13.0	18.0	14.7	88.3	14.65	12.7	0.1	4.3	4.4	0.7
27	12.7	20.5	15.8	83.8	14.92	12.9	1.0	14.1	15.1	2.3
28	12.8	17.5	13.9	95.7	15.12	13.2	2.3	0.2	2.5	1.7
29	11.0	22.0	16.4	60.3	10.85	8.1	0.0	0.0	0.0	9.7
30	11.5	22.7	16.5	61.5	11.05	8.4	0.0	0.0	0.0	9.0
31	11.4	20.4	15.9	78.9	14.19	12.2	0.0	0.0	0.0	4.7
PROM.	12.5	20.7	16.0	81.8	14.68	12.6	55.5	87.9	143.4	

M E S – ABRIL

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	12.6	19.0	15.7	81.7	14.91	12.9	2.9	0.9	3.8	2.0
2	13.8	20.2	17.0	84.1	16.11	14.1	0.8	0.0	0.8	1.3
3	13.2	19.0	15.7	87.2	15.60	13.6	3.0	0.0	3.0	2.8
4	11.8	21.5	17.4	72.1	13.93	11.8	0.0	2.5	2.5	4.5
5	13.5	19.5	16.2	83.7	15.22	13.3	0.0	0.0	0.0	1.0
6	12.7	23.4	17.5	72.4	14.37	12.3	0.0	0.0	0.0	5.2
7	12.9	23.2	18.0	68.2	13.66	11.5	0.0	0.0	0.0	7.2
8	14.3	23.4	18.7	72.2	15.41	13.4	0.0	0.0	0.0	5.8
9	14.0	20.2	17.5	82.6	16.65	14.6	0.0	0.0	0.0	0.3
10	13.8	21.2	16.6	83.7	15.88	13.9	0.3	0.0	0.3	1.3
11	12.5	22.5	17.9	74.9	15.37	13.3	0.0	0.0	0.0	4.3
12	14.0	20.2	17.2	82.8	16.26	14.3	0.0	0.0	0.0	0.2
13	13.8	22.4	17.6	79.9	15.88	13.9	0.0	0.0	0.0	1.3
14	13.7	20.2	16.2	84.6	15.68	13.7	0.9	1.5	2.4	1.3
15	13.4	21.0	16.3	86.3	16.05	14.1	0.8	0.0	0.8	3.7
16	13.0	21.8	17.5	79.0	15.90	13.9	0.1	3.7	3.8	0.0
17	12.8	20.2	16.2	88.8	16.29	14.3	1.3	0.0	1.3	8.7
18	12.9	21.8	17.6	73.9	14.83	12.9	0.0	0.0	0.0	5.0
19	13.7	20.8	16.7	79.6	14.90	12.7	3.2	4.5	7.7	5.9
20	13.8	22.4	17.7	81.4	16.42	14.4	0.0	0.0	0.0	0.3
21	12.8	22.2	17.0	77.2	14.70	12.7	0.0	0.0	0.0	3.4
22	14.4	19.6	16.2	88.4	16.59	14.5	0.0	0.3	0.3	1.7
23	13.7	21.6	17.4	90.0	17.95	15.8	0.3	0.0	0.3	2.4
24	13.6	24.2	18.7	73.0	15.49	13.5	0.0	0.0	0.0	0.9
25	13.4	23.1	18.6	71.7	15.01	13.0	0.0	0.0	0.0	2.5
26	13.8	23.2	17.5	78.3	15.62	13.6	0.0	0.9	0.9	1.6
27	14.3	21.1	17.5	83.3	16.49	14.5	0.0	13.8	13.8	3.8
28	14.1	22.2	17.9	77.9	16.06	14.1	0.0	0.0	0.0	4.7
29	14.5	22.3	18.7	78.6	16.66	14.6	25.1	0.0	25.1	1.0
30	15.0	22.0	18.7	80.1	17.02	15.0	0.2	0.0	0.2	1.2
PROM	13.5	21.5	17.3	79.9	15.70	13.7	38.9	28.1	67.0	85.3

ESTACION: AGRONOMIA **MUNICIPIO:** MANIZALES **AÑO:** 1.989

ALTITUD: 2.150 **LATITUD:** 5-03 N. **LONGITUD:** 75-29 W.

M E S - MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.6	19.8	15.8	94.8	17.23	15.1	22.5	9.2	31.7	0.5
2	12.8	19.6	15.9	86.1	15.31	13.4	0.4	0.0	0.4	2.8
3	13.6	21.0	16.9	81.1	15.69	13.7	1.4	0.2	1.6	3.8
4	12.0	20.8	16.9	88.2	17.46	15.2	0.5	0.0	0.5	5.7
5	13.0	20.7	16.0	78.0	14.35	12.3	2.9	5.7	8.6	2.9
6	13.5	20.9	15.9	81.9	15.04	13.0	0.4	0.0	0.4	
7	12.9	20.2	16.6	80.3	15.06	13.1	1.8	99.2	101.0	
8	12.6	18.5	14.2	92.1	15.18	13.2	10.0	9.4	19.4	1.0
9	12.4	21.0	16.7	82.8	15.43	13.3	0.0	5.9	5.9	4.5
10	13.2	17.6	14.6	93.5	15.71	13.7	8.3	0.0	8.3	0.4
11	11.6	21.4	16.8	77.5	14.82	12.6	2.2	0.0	2.2	7.8
12	13.6	19.3	16.4	76.4	14.36	12.4	1.0	12.5	13.5	3.3
13	12.9	20.2	16.3	87.9	16.14	14.1	0.7	0.0	0.7	4.6
14	12.4	20.0	15.7	81.5	14.44	12.4	0.5	0.0	0.5	
15	12.8	20.3	16.7	86.0	16.29	14.3	0.0	0.0	0.0	6.0
16	12.2	23.1	18.2	70.4	14.28	12.1	0.0	0.0	0.0	10.8
17	12.8	21.5	17.3	69.9	13.63	11.5	0.0	0.0	0.0	6.2
18	13.6	20.8	17.2	79.3	15.63	13.7	0.0	0.0	0.0	2.6
19	14.0	20.6	17.1	78.5	15.37	13.4	0.5	0.0	0.5	2.7
20	13.9	21.2	18.0	69.9	14.47	12.5	0.0	0.0	0.0	4.1
21	13.0	22.3	17.8	73.2	14.98	13.0	0.0	0.0	0.0	4.4
22	14.7	21.2	17.1	81.1	15.96	14.0	1.4	0.0	1.4	4.3
23	14.0	19.6	16.1	90.4	16.80	14.8	1.6	1.0	2.6	1.0
24	13.7	18.7	15.6	88.9	15.78	13.8	1.3	28.0	29.3	0.4
25	12.6	16.8	14.6	93.9	15.47	13.5	1.5	1.8	3.3	0.1
26	12.8	20.5	16.1	81.5	14.83	12.8	0.5	0.0	0.5	6.6
27	12.7	21.5	15.5	86.5	15.37	13.4	4.1	0.2	4.3	
28	11.8	17.9	15.0	83.1	14.57	12.5	17.1	0.0	17.1	2.4
29	11.7	20.0	16.1	79.6	14.69	12.7	1.0	0.0	1.0	3.6
30	11.8	21.6	17.5	75.5	14.65	12.7	0.0	0.0	0.0	
31	13.5	22.8	17.3	80.2	16.01	14.0	0.3	0.0	0.3	4.5
PROM.	13.0	20.4	16.4	82.3	15.32	13.3	81.9	173.1	255.0	

M E S - JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	13.1	21.8	17.1	79.6	15.47	13.4	0.0	0.0	0.0	3.9
2	13.8	19.8	15.6	85.7	15.16	13.2	0.9	0.0	0.9	1.2
3	13.0	17.6	15.6	89.5	16.08	14.1	3.4	0.0	3.4	0.0
4	12.0	20.0	16.2	83.0	15.28	13.2	0.2	0.8	1.0	3.8
5	12.8	18.6	15.1	97.7	16.75	14.7	8.2	0.0	8.2	1.1
6	13.2	19.2	16.0	94.8	17.26	15.1	0.6	0.3	0.9	
7	12.8	21.0	16.6	82.7	15.61	13.6	1.1	0.0	1.1	1.4
8	13.0	20.8	17.0	85.6	16.40	14.4	0.0	0.0	0.0	3.4
9	14.0	21.5	16.2	85.7	15.86	13.9	6.0	0.0	6.0	3.8
10	13.8	21.2	17.5	89.3	17.93	15.7	0.2	2.7	2.9	5.2
11	13.7	21.1	16.7	84.9	16.13	14.2	0.0	0.4	0.4	0.0
12	13.0	20.2	17.0	83.9	15.97	13.9	3.3	1.2	4.5	4.6
13	12.9	20.3	15.8	89.8	15.97	14.0	2.5	0.0	2.5	0.8
14	12.5	20.2	15.8	74.3	13.28	11.1	1.2	0.0	1.2	2.6
15	12.8	22.0	17.6	74.5	14.92	12.8	0.0	0.0	0.0	7.3
16	12.7	22.1	17.0	68.0	12.94	10.7	0.0	0.0	0.0	9.0
17	14.0	20.5	16.0	79.6	14.49	12.5	0.0	0.0	0.0	0.8
18	12.4	19.8	15.8	84.2	15.20	13.2	2.4	0.0	2.4	0.0
19	12.5	19.4	16.3	81.9	14.86	12.8	0.0	0.0	0.0	0.3
20	13.1	19.2	15.8	86.5	15.57	13.6	0.4	0.0	0.4	1.6
21	12.7	20.2	16.5	84.2	15.78	13.8	0.3	0.0	0.3	2.9
22	13.7	20.0	16.8	82.4	15.45	13.5	0.0	0.0	0.0	1.3
23	13.5	18.0	14.8	87.4	14.66	12.7	2.2	0.0	2.2	4.2
24	12.8	18.9	15.7	84.0	15.01	13.0	0.0	0.3	0.3	3.4
25	13.0	20.2	15.3	89.7	15.44	13.4	7.0	0.0	7.0	0.0
26	12.4	21.2	17.0	82.1	15.81	13.8	0.0	3.2	3.2	4.0
27	13.0	19.9	16.4	87.3	16.11	14.1	0.0	13.7	13.7	
28	12.9	21.8	16.8	78.6	14.62	12.6	0.0	0.0	0.0	
29	12.8	22.8	17.6	77.1	15.25	13.2	0.0	0.2	0.2	
30	13.1	20.2	17.0	76.0	14.40	12.4	0.0	0.8	0.8	
PROM	13.0	20.3	16.3	83.7	15.4	13.4	39.9	23.6	63.5	

ESTACION: AGRONOMIA MUNICIPIO: MANIZALES AÑO: 1.989

ALTITUD: 2.150 LATITUD: 5-03 N. LONGITUD: 75-29 W.

M E S - JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	13.0	20.4	15.7	79.6	14.12	12.1	0.0	0.0	0.0	
2	12.4	20.8	16.5	76.8	14.06	12.0	0.0	0.0	0.0	2.2
3	12.8	22.0	17.0	70.3	13.62	11.5	0.0	0.0	0.0	5.8
4	11.8	21.0	16.7	68.1	12.89	10.7	0.0	0.0	0.0	1.2
5	12.6	19.0	15.2	84.6	14.70	12.7	1.3	0.0	1.3	4.5
6	13.0	21.8	17.0	71.8	13.68	11.6	0.0	0.1	0.1	
7	13.8	20.0	15.8	89.2	15.86	13.9	1.8	0.0	1.8	1.6
8	11.8	20.4	15.8	84.6	14.99	13.0	0.0	0.0	0.0	4.2
9	12.8	19.0	15.5	79.6	13.95	11.9	0.0	0.0	0.0	
10	13.0	21.4	16.1	68.7	12.30	10.0	0.0	0.0	0.0	4.9
11	12.0	22.8	17.0	63.4	12.00	9.6	0.0	0.0	0.0	
12	13.0	23.8	17.8	67.4	13.37	11.3	0.0	0.0	0.0	
13	13.2	23.2	17.9	61.4	12.21	9.9	0.0	0.0	0.0	8.1
14	13.6	23.3	17.8	65.5	12.97	10.8	0.0	0.0	0.0	9.7
15	14.0	24.2	18.0	56.4	11.47	8.9	0.0	0.0	0.0	10.4
16	14.1	21.2	16.8	72.8	14.17	12.1	0.0	0.0	0.0	
17	12.8	22.8	17.4	64.1	12.10	9.8	0.0	0.0	0.0	
18	13.0	22.0	17.1	76.9	14.84	12.8	0.0	0.0	0.0	7.2
19	14.0	22.4	17.3	80.0	15.70	13.7	0.0	4.0	4.0	
20	13.7	18.5	15.2	94.4	16.37	14.4	7.7	0.0	7.7	3.6
21	13.0	18.2	15.3	86.7	14.96	13.0	0.0	0.0	0.0	0.3
22	13.6	18.6	15.6	88.8	15.76	13.8	1.8	0.0	1.8	3.0
23	12.0	20.2	15.8	79.8	14.26	12.3	3.3	0.0	3.3	0.4
24	12.8	19.3	16.0	89.6	16.32	14.3	8.6	7.3	15.9	3.4
25	12.9	21.0	15.6	88.2	15.78	13.8	1.6	0.6	2.2	3.0
26	12.7	18.8	15.0	89.8	15.28	13.3	0.0	0.0	0.0	1.6
27	12.5	20.2	16.7	81.9	15.44	13.5	0.0	0.0	0.0	3.0
28	12.6	20.3	16.3	78.2	14.28	12.3	0.0	0.0	0.0	2.6
29	12.0	22.8	17.9	69.6	14.21	12.2	0.0	21.2	21.2	8.5
30	12.5	22.0	17.1	69.8	13.27	11.1	0.0	0.0	0.0	
31	13.0	23.0	17.6	80.1	15.86	13.9	0.0	0.6	0.6	
PROM.	12.9	21.1	16.5	76.7	14.22	12.1	26.1	33.6	59.9	

M E S - AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.2	21.2	16.4	84.9	15.80	13.8	1.3	0.0	1.3	4.0
2	13.0	21.6	16.7	72.3	13.63	11.6	0.0	0.0	0.0	4.3
3	13.5	22.4	16.3	78.9	14.52	12.6	2.7	0.0	2.7	2.5
4	13.0	21.4	17.1	66.4	12.57	10.3	0.0	0.0	0.0	
5	13.2	21.0	17.4	72.8	14.26	12.3	0.0	3.6	3.6	
6	13.4	20.2	15.5	75.2	13.26	11.1	0.7	0.0	0.7	1.4
7	12.0	23.2	18.7	64.9	13.38	11.2	0.0	0.0	0.0	10.1
8	13.2	23.4	17.2	77.4	15.21	13.2	2.9	1.2	4.1	1.5
9	13.1	21.8	17.0	65.0	12.38	10.1	0.4	0.5	0.9	4.1
10	13.6	20.2	16.0	79.8	14.47	12.5	0.6	0.0	0.6	
11	13.0	20.3	16.4	81.4	15.10	13.1	1.2	0.0	1.2	4.5
12	12.7	20.8	16.1	75.3	13.66	11.6	0.0	0.0	0.0	
13	13.8	18.8	15.6	87.8	15.78	13.8	4.6	0.0	4.6	
14	12.9	20.1	15.9	79.4	14.43	12.4	0.0	0.0	0.0	2.0
15	13.0	21.5	16.7	76.6	14.47	12.5	0.0	0.0	0.0	3.1
16	13.4	19.4	16.2	82.0	15.36	13.4	0.0	0.0	0.0	0.6
17	12.2	21.0	16.7	72.2	13.46	11.4	0.0	0.0	0.0	1.5
18	12.4	22.0	17.5	64.6	12.74	10.6	0.0	0.0	0.0	
19	13.0	21.2	17.3	76.3	15.00	13.0	0.2	0.0	0.2	
20	12.9	19.8	15.3	84.3	14.56	12.6	0.3	3.3	3.6	4.6
21	11.5	20.0	16.2	80.4	14.88	12.8	0.5	3.7	4.2	
22	12.5	21.3	16.1	77.9	14.52	12.5	0.5	0.0	0.5	
23	12.8	20.0	15.5	92.2	16.23	14.2	1.2	1.7	2.9	3.8
24	13.5	22.2	17.4	72.7	14.15	12.1	0.0	0.0	0.0	8.2
25	13.6	22.7	17.7	68.4	13.43	11.3	0.0	1.6	1.6	
26	13.1	19.5	15.9	78.5	13.96	11.8	0.0	0.0	0.0	
27	13.2	22.5	17.7	70.3	13.89	11.8	0.0	0.0	0.0	2.6
28	13.0	20.2	16.2	87.0	16.06	13.9	3.0	1.2	4.2	3.6
29	13.4	19.0	15.5	88.5	15.48	13.5	0.0	16.0	16.0	0.6
30	12.9	18.7	15.1	85.5	14.68	12.7	0.0	1.5	1.5	0.5
31	12.8	20.4	16.4	84.2	15.56	13.6	0.0	0.0	0.0	
PROM	13.0	20.9	16.5	77.5	14.42	12.4	20.1	34.3	54.4	

ESTACION: AGRONOMIA MUNICIPIO: MANIZALES AÑO: 1.989

ALTITUD: 2.150 LATITUD: 5-03 N. LONGITUD: 75-29 W.

M E S – SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	13.8	21.2	16.9	66.5	12.51	10.2	0.0	0.0	0.0	1.9
2	13.2	21.4	16.8	72.5	13.59	11.4	0.0	0.0	0.0	
3	12.8	22.5	17.1	74.0	14.23	12.2	0.0	0.1	0.1	0.0
4	14.0	20.1	16.3	85.3	15.62	13.6	2.0	0.0	2.0	
5	13.5	18.2	15.3	95.2	16.66	14.7	9.8	0.0	9.8	
6	13.0	17.8	15.3	92.0	15.97	13.9	3.6	0.0	3.6	1.2
7	13.7	19.8	15.7	83.9	15.15	13.2	0.0	2.0	2.0	2.1
8	13.2	20.0	17.0	80.3	15.54	13.5	0.0	0.0	0.0	0.3
9	14.0	19.0	15.7	92.1	16.52	14.5	1.3	0.0	1.3	2.1
10	13.4	20.1	16.0	85.5	15.75	13.8	0.0	0.0	0.0	
11	13.0	18.6	16.0	83.8	15.31	13.3	4.2	3.5	7.7	
12	12.6	21.8	16.1	72.6	13.25	11.1	1.2	1.7	2.9	3.3
13	13.2	21.0	17.0	79.5	15.04	13.1	0.0	1.8	1.8	4.8
14	13.8	20.3	16.8	79.1	14.78	12.8	1.2	0.0	1.2	6.2
15	13.1	22.8	17.5	72.0	14.34	12.3	0.2	0.0	0.2	7.6
16	13.6	22.2	16.2	81.8	15.46	13.4	3.2	0.0	3.2	5.1
17	13.0	21.5	17.4	74.0	14.42	12.4	5.0	0.0	5.0	4.6
18	13.7	19.8	15.5	88.5	15.63	13.7	7.6	0.0	7.6	1.3
19	13.5	19.0	15.9	88.7	15.86	13.9	0.0	0.0	0.0	1.4
20	13.8	18.0	15.3	85.3	14.89	12.9	0.4	0.0	0.4	0.2
21	12.8	19.2	15.6	83.9	15.03	13.0	1.1	3.8	4.9	2.2
22	13.2	16.8	14.5	92.9	15.37	13.4	3.5	0.5	4.0	4.2
23	12.3	22.0	17.2	69.8	13.79	11.7	0.0	0.0	0.0	
24	13.9	22.1	17.7	74.9	15.10	13.1	0.7	0.0	0.7	
25	13.4	22.0	17.0	78.6	15.19	13.2	0.0	0.9	0.9	5.5
26	13.2	17.5	15.3	87.6	15.17	13.2	10.3	0.0	10.3	
27	13.0	18.2	15.6	85.4	14.97	13.0	0.0	0.0	0.0	
28	13.5	15.6	13.8	97.0	15.29	13.3	7.8	2.0	9.8	
29	12.4	20.0	15.7	85.5	15.12	13.1	1.6	0.2	1.8	
30	12.8	21.4	16.5	73.4	13.78	11.7	10.0	0.0	10.0	
PROM.	13.3	20.0	16.2	82.1	14.98	13.0	74.7	16.5	91.2	

M E S – OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	12.6	22.2	17.2	80.2	15.76	13.7	0.9	3.0	3.9	6.0
2	12.8	20.0	15.7	84.1	15.06	13.1	7.4	2.4	9.8	5.9
3	13.5	20.8	16.4	85.3	15.86	13.9	1.0	0.0	1.0	
4	12.6	21.0	16.1	88.3	16.13	14.1	2.1	0.0	2.1	3.0
5	12.8	20.0	15.4	87.1	14.95	12.9	1.4	0.0	1.4	3.6
6	12.7	22.2	16.9	73.9	14.25	12.2	0.0	6.2	6.2	3.2
7	12.8	22.0	17.3	70.6	13.74	11.6	1.0	1.1	2.1	5.9
8	14.0	18.9	15.9	86.9	15.64	13.7	0.4	0.0	0.4	
9	12.5	18.4	15.0	86.4	14.87	12.8	0.5	0.0	0.5	7.4
10	11.8	20.6	16.2	81.4	14.86	12.8	0.0	0.7	0.7	
11	13.0	17.0	14.6	94.1	15.53	13.5	0.7	0.3	1.0	1.5
12	12.5	19.0	15.6	82.9	14.67	12.7	0.1	12.3	12.4	
13	12.8	20.5	15.7	78.8	14.07	12.0	2.5	3.0	5.5	3.5
14	13.0	19.0	15.5	88.8	15.70	13.7	1.0	0.0	1.0	1.0
15	12.0	18.0	15.4	88.0	15.49	13.5	0.3	0.0	0.3	
16	11.8	20.2	15.9	83.5	15.09	13.1	0.0	0.0	0.0	
17	13.5	18.9	15.3	88.3	15.24	13.2	4.1	3.2	7.3	0.3
18	12.9	20.0	16.2	84.9	15.69	13.6	0.0	1.9	1.9	1.5
19	13.8	21.6	16.0	79.9	14.75	12.7	1.8	0.0	1.8	
20	12.6	22.4	17.1	78.0	15.17	13.2	0.0	0.0	0.0	
21	12.0	22.0	16.5	80.1	15.16	13.2	54.0	0.0	54.0	
22	12.8	21.7	16.8	81.7	15.28	13.3	0.0	0.0	0.0	
23	13.0	21.5	16.2	84.3	15.75	13.8	0.0	0.2	0.2	0.5
24	12.6	20.2	15.9	83.1	15.00	13.0	2.2	0.0	2.2	
25	13.0	19.5	16.0	87.0	16.00	14.0	0.5	0.8	1.3	
26	14.0	20.0	16.5	89.7	16.89	14.8	0.4	0.6	1.0	
27	13.6	19.8	15.9	92.6	16.72	14.7	0.0	3.8	3.8	7.1
28	13.8	18.6	15.2	94.6	16.27	14.3	2.1	0.0	2.1	0.7
29	12.8	21.0	16.5	82.5	15.42	13.4	0.0	0.0	0.0	1.9
30	14.0	21.4	17.0	82.8	15.97	13.9	5.8	15.3	21.1	1.0
31	13.2	22.6	17.5	78.4	15.79	13.7	0.0	7.1	7.1	
PROM	12.9	20.4	16.1	84.1	15.38	13.4	90.2	61.9	152.1	

ESTACION: AGRONOMIA MUNICIPIO: MANIZALES AÑO: 1.989

ALTITUD: 2.150 LATITUD: 5-03 N. LONGITUD: 75-29 W.

M E S — NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	13.5	19.5	15.0	91.2	15.42	13.5	7.7	0.0	7.7	0.3
2	13.0	19.6	16.1	85.1	15.55	13.6	0.0	0.0	0.0	4.4
3	12.5	20.2	16.7	80.2	15.09	13.0	1.0	0.0	1.0	0.5
4	13.7	18.8	15.0	92.9	15.84	13.9	5.8	0.6	6.4	1.1
5	12.5	20.0	16.3	86.2	15.88	13.9	1.1	0.0	1.1	2.3
6	12.4	22.2	17.7	79.0	15.83	13.8	0.0	21.9	21.9	2.2
7	13.5	20.2	15.7	91.2	16.11	14.1	9.8	0.0	9.8	
8	13.8	20.0	15.9	92.5	16.71	14.7	1.9	3.1	5.0	
9	12.8	22.0	16.8	78.6	14.80	12.8	0.0	9.8	9.8	
10	13.8	19.0	15.5	87.7	15.42	13.4	0.0	0.0	0.0	7.4
11	13.5	15.0	13.6	93.9	14.85	12.9	1.2	0.0	1.2	
12	12.0	18.2	15.5	78.4	13.85	11.8	2.0	0.0	2.0	
13	13.2	19.0	15.7	85.2	15.15	13.2	0.0	0.0	0.0	3.7
14	12.3	22.0	16.7	73.9	13.73	11.6	0.0	0.0	0.0	6.6
15	14.2	21.5	16.6	83.4	15.90	13.9	0.0	0.0	0.0	3.4
16	13.6	21.7	17.6	71.9	14.36	12.3	0.0	2.2	2.2	2.8
17	13.8	20.4	16.7	81.4	15.20	13.2	0.0	0.0	0.0	6.1
18	13.7	23.0	18.1	76.8	15.71	13.6	0.0	0.0	0.0	
19	14.7	24.0	18.3	72.2	14.99	13.0	0.0	0.0	0.0	9.1
20	14.8	24.5	18.2	69.1	14.58	12.6	0.0	23.8	23.8	
21	13.2	18.4	15.7	84.1	15.02	13.0	0.0	0.0	0.0	1.2
22	13.0	19.5	16.1	79.1	14.53	12.5	0.0	0.0	0.0	4.8
23	12.9	21.5	17.8	75.1	15.09	13.1	0.0	0.0	0.0	
24	14.0	21.6	17.2	73.6	14.72	12.7	0.0	0.0	0.0	6.0
25	12.9	20.0	14.8	86.6	14.87	12.8	3.3	0.0	3.3	0.6
26	12.2	21.5	16.6	79.5	14.97	13.0	0.0	0.0	0.0	5.2
27	12.8	23.0	17.4	70.3	13.71	11.6	0.0	0.0	0.0	6.7
28	13.8	22.5	17.8	71.6	14.46	12.5	0.0	0.0	0.0	5.1
29	14.2	19.8	16.4	91.4	16.99	15.0	0.0	18.9	18.9	0.4
30	13.8	20.0	16.8	84.5	15.93	13.9	0.0	18.6	18.6	1.8
PROM.	13.3	20.6	16.5	81.6	15.17	13.2	33.8	98.9	132.7	

M E S — DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	13.2	20.2	15.8	87.8	15.90	13.9	0.8	13.6	14.4	2.2
2	13.0	17.2	15.0	83.7	14.35	12.3	26.0	0.0	26.0	0.0
3	12.5	21.2	16.5	76.1	14.10	12.1	0.0	44.1	44.1	6.7
4	12.8	18.1	14.3	92.8	15.16	13.2	18.1	0.0	18.1	0.2
5	12.9	20.0	15.8	80.0	14.36	12.4	0.5	3.4	3.9	1.3
6	13.0	21.0	15.8	79.0	14.17	12.2	12.0	0.0	12.0	4.6
7	12.9	21.7	16.6	73.0	13.77	11.7	0.0	0.0	0.0	5.4
8	13.0	21.8	17.2	69.6	13.52	11.5	0.0	0.0	0.0	5.2
9	12.8	22.5	17.9	73.5	14.74	12.7	0.0	23.9	23.9	5.5
10	13.0	19.2	16.0	84.5	15.32	13.3	0.0	0.0	0.0	0.6
11	13.8	22.0	16.9	77.6	14.78	12.8	0.0	0.0	0.0	3.8
12	13.5	20.5	17.0	79.1	15.22	13.2	0.0	0.0	0.0	3.7
13	13.8	21.2	16.8	81.3	15.42	13.4	0.0	0.0	0.0	1.1
14	13.5	21.5	16.9	79.1	15.20	13.2	0.0	0.0	0.0	1.8
15	12.5	23.0	16.1	71.1	13.02	10.9	0.0	0.0	0.0	5.9
16	11.5	20.2	15.7	71.7	12.67	10.5	0.0	0.0	0.0	4.7
17	12.4	22.5	17.0	70.0	13.33	11.2	0.0	0.0	0.0	7.8
18	12.5	23.0	17.6	69.5	13.67	11.6	0.0	0.0	0.0	8.1
19	12.0	22.9	16.9	66.3	12.49	10.3	0.0	0.0	0.0	8.1
20	13.5	22.7	17.2	69.5	13.50	11.4	0.0	0.0	0.0	6.2
21	13.0	22.5	17.3	70.4	13.58	11.5	0.0	0.0	0.0	6.1
22	12.5	23.5	17.2	65.5	12.67	10.4	0.0	0.0	0.0	8.7
23	13.4	21.2	16.0	78.6	14.26	12.3	33.7	2.0	35.7	2.3
24	12.5	19.2	15.4	82.4	14.55	12.5	0.0	0.0	0.0	1.2
25	12.4	20.6	16.0	80.7	14.50	12.5	0.7	8.0	8.7	1.2
26	13.5	19.2	16.0	84.0	15.11	13.1	1.0	9.0	10.0	1.1
27	12.8	21.2	16.1	79.1	14.48	12.5	7.2	0.6	7.8	3.2
28	13.0	20.0	16.0	80.2	14.50	12.5	2.4	0.0	2.4	1.4
29	12.5	21.4	16.5	73.0	13.59	11.5	0.0	15.0	15.0	7.0
30	13.0	21.8	16.7	72.3	13.42	11.3	0.0	0.0	0.0	8.6
31	12.9	21.9	16.7	71.1	13.34	11.2	0.0	0.0	0.0	7.9
PROM	12.9	21.1	16.4	76.5	14.15	12.1	102.4	119.6	222.0	131.6

ESTACION: AGRONOMIA MUNICIPIO: MANIZALES AÑO: 1.989

ALTITUD: 2.150 LATITUD: 5-03 N. LONGITUD: 75-29 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	12.6	20.7	16.1	11.0	23.5	84.2	15.30	13.3	107.8	14	
FEBRERO	12.5	20.8	16.0	10.4	24.6	82.7	14.92	12.9	114.2	19	103.1
MARZO	12.5	20.7	16.0	11.0	24.2	81.8	14.68	12.6	143.4	22	
ABRIL	13.5	21.5	17.3	11.8	24.2	79.9	15.70	13.7	67.0	16	85.3
MAYO	13.0	20.4	16.4	11.6	23.1	82.3	15.32	13.3	255.0	24	
JUNIO	13.0	20.3	16.3	12.0	22.8	83.7	15.46	13.4	63.5	22	
JULIO	12.9	21.1	16.5	11.8	24.2	76.7	14.22	12.1	59.9	11	
AGOSTO	13.0	20.9	16.5	11.5	23.4	77.5	14.42	12.4	54.4	18	
SEPTIEMBRE	13.3	20.0	16.2	12.3	22.8	82.1	14.98	13.0	91.2	23	
OCTUBRE	12.9	20.4	16.1	11.8	22.6	84.1	15.38	13.4	152.1	27	
NOVIEMBRE	13.3	20.6	16.5	12.0	24.5	81.6	15.17	13.2	132.7	15	
DICIEMBRE	12.9	21.1	16.4	11.5	23.5	76.5	14.15	12.1	222.0	13	131.6
PROMEDIO	13.0	20.7	16.4	11.6	23.6	81.1	14.97	13.0			
TOTAL									1463.2	224	

ESTACION: SANTAGUEDA – FACULTAD MUNICIPIO: PALESTINA AÑO: 1.989

ALTITUD: 1.010 LATITUD: 5-05 N. LONGITUD: 75-40 W.

M E S – ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.8	26.4	20.1	82.7	19.56	17.2	27.0	0.9	27.9	2.6
2	17.5	25.5	21.5	81.0	20.54	17.9	2.3	5.2	7.5	0.8
3	17.8	28.5	22.9	76.7	20.81	18.1	0.0	3.1	3.1	5.7
4	19.0	29.2	22.5	76.6	20.38	17.6	0.4	45.8	46.2	5.3
5	17.5	26.8	21.5	81.5	20.83	18.1	0.0	2.2	2.2	3.8
6	18.5	29.8	23.8	73.8	20.79	17.9	0.0	2.7	2.7	7.8
7	18.4	29.4	23.1	77.4	21.18	18.3	0.0	4.1	4.1	8.2
8	18.3	29.0	23.3	72.3	19.89	17.3	0.0	16.2	16.2	7.8
9	18.4	29.4	23.5	72.4	20.17	17.5	0.5	0.0	0.5	7.4
10	17.4	24.6	20.9	86.5	21.25	18.5	0.8	0.8	1.6	1.0
11	18.0	27.5	21.7	76.5	19.41	17.0	0.0	0.0	0.0	4.2
12	16.5	28.8	22.5	70.7	18.31	16.0	0.0	0.5	0.5	6.8
13	18.6	27.5	22.9	73.9	19.84	17.3	0.0	1.5	1.5	2.9
14	18.5	29.5	23.6	72.5	20.16	17.5	0.0	0.0	0.0	7.1
15	19.0	29.4	23.0	77.3	21.28	18.5	0.0	0.0	0.0	5.5
16	16.8	29.5	24.0	71.0	19.91	17.3	0.0	12.1	12.1	6.2
17	18.4	29.8	23.2	74.8	20.48	17.8	0.0	20.0	20.0	5.9
18	18.8	30.5	23.6	72.6	20.24	17.6	0.0	21.8	21.8	7.7
19	18.5	30.2	23.2	73.8	20.18	17.5	0.0	5.8	5.8	6.0
20	18.6	29.2	23.6	75.1	21.01	18.3	0.0	0.0	0.0	5.9
21	17.8	29.1	23.5	73.4	20.17	17.4	0.0	0.0	0.0	4.4
22	17.0	29.0	22.8	77.6	20.73	18.1	0.0	0.0	0.0	6.7
23	17.0	31.0	24.5	68.3	19.93	17.4	0.0	2.7	2.7	7.6
24	19.5	29.4	24.3	68.5	19.86	17.3	0.0	0.0	0.0	3.6
25	17.5	29.6	23.5	77.0	21.37	18.4	0.0	0.0	0.0	3.6
26	19.5	29.8	24.0	73.7	21.27	18.4	0.0	16.6	16.6	6.2
27	19.0	24.9	21.5	89.0	22.82	19.6	0.8	0.5	1.3	0.3
28	19.1	25.0	21.8	85.5	22.17	19.2	0.9	13.0	13.9	0.5
29	19.0	28.8	22.3	78.3	20.59	17.8	0.0	0.0	0.0	6.2
30	19.0	27.8	22.4	79.0	21.12	18.3	0.0	0.5	0.5	2.6
31	19.5	28.8	22.6	73.0	19.46	16.8	0.0	2.2	2.2	3.8
PROM.	18.2	28.5	22.8	76.2	20.51	17.8	32.7	178.2	210.9	154.1

M E S – FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	19.0	25.5	21.4	84.8	21.38	18.5	6.5	0.5	7.0	1.5
2	18.0	29.4	23.5	71.8	19.99	17.5	0.0	3.1	3.1	6.0
3	18.8	27.2	22.8	75.0	20.16	17.6	0.0	0.2	0.2	3.4
4	18.5	25.2	21.3	79.1	19.65	17.2	0.0	0.0	0.0	2.1
5	16.5	28.7	23.7	71.9	19.61	16.6	0.0	10.1	10.1	6.8
6	17.5	30.0	23.8	68.7	18.76	16.2	0.0	6.0	6.0	7.5
7	18.8	28.4	23.5	73.4	20.39	17.6	0.0	0.0	0.0	4.7
8	17.8	29.4	23.1	73.6	19.91	17.3	0.0	0.0	0.0	4.3
9	18.5	28.5	23.6	73.4	20.43	17.7	0.0	21.4	21.4	2.4
10	18.4	26.5	21.6	76.9	19.81	17.3	3.7	0.3	4.0	6.0
11	18.6	27.5	22.1	78.3	20.61	18.0	8.2	3.9	12.1	4.8
12	18.4	28.6	23.0	74.4	20.29	17.7	0.0	0.7	0.7	8.3
13	19.0	27.2	23.2	79.2	21.80	18.8	0.4	0.0	0.4	1.6
14	16.0	30.5	23.4	71.6	19.32	16.7	0.0	0.0	0.0	6.8
15	17.4	31.0	23.8	71.0	19.71	17.2	0.0	2.4	2.4	8.9
16	17.2	31.2	22.7	70.2	17.98	15.5	0.0	0.0	0.0	9.3
17	18.0	27.0	21.6	78.5	19.95	17.4	0.0	0.0	0.0	3.3
18	13.8	31.8	22.3	69.4	16.95	14.7	0.0	0.0	0.0	9.1
19	15.8	30.2	23.2	72.3	19.18	16.6	0.0	0.2	0.2	7.8
20	18.5	30.8	24.4	71.6	20.82	18.1	0.0	0.0	0.0	6.0
21	20.4	29.5	23.3	77.3	21.70	18.7	2.6	0.0	2.6	3.4
22	18.8	29.0	22.7	78.2	21.08	18.3	1.9	0.0	1.9	2.8
23	18.6	28.8	21.3	78.7	20.06	17.5	0.8	0.0	0.8	3.3
24	15.5	31.0	23.0	75.8	20.02	17.3	0.0	0.8	0.8	7.8
25	16.0	30.8	23.5	69.0	18.60	16.3	0.0	1.7	1.7	6.5
26	18.8	29.4	23.1	78.6	21.53	18.5	0.0	0.0	0.0	5.0
27	18.7	31.0	24.6	70.4	20.45	17.7	0.0	0.0	0.0	6.8
28	18.4	31.2	25.1	68.6	20.43	17.7	0.0	0.0	0.0	6.6
PROM	17.8	29.1	23.0	74.3	20.02	17.4	24.1	51.3	75.4	152.8

ESTACION: SANTAGUEDA - FACULTAD MUNICIPIO: PALESTINA AÑO: 1.969

ALTITUD: 1.010 LATITUD: 5-05 N. LONGITUD: 75-40 W.

M E S - MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	33.5	25.5	68.1	20.25	17.3	0.0	0.0	0.0	8.8
2	19.0	31.4	24.6	71.8	20.99	18.1	0.0	0.0	0.0	4.9
3	17.5	30.0	24.0	74.3	21.07	18.2	0.0	41.5	41.5	4.2
4	18.4	29.4	22.6	75.2	19.91	17.3	0.0	0.0	0.0	2.3
5	17.6	23.1	20.3	88.9	21.21	18.4	0.9	0.0	0.9	
6	17.8	31.0	24.0	67.7	18.96	16.9	0.0	1.1	1.1	6.3
7	17.5	29.0	22.3	74.8	19.43	17.0	0.0	0.0	0.0	6.3
8	19.0	31.0	22.7	73.3	19.67	17.1	2.2	0.0	2.2	4.5
9	17.4	30.2	23.4	72.2	19.66	17.1	0.0	0.0	0.0	6.3
10	16.5	31.5	23.7	71.0	19.19	16.6	0.0	0.0	0.0	9.7
11	18.4	31.0	22.5	73.1	19.30	16.9	0.1	47.6	47.7	7.0
12	17.8	29.2	23.0	73.4	19.65	17.2	0.6	0.0	0.6	6.3
13	18.8	30.0	23.2	73.9	20.08	17.3	0.0	9.8	9.8	5.0
14	19.2	26.5	21.5	82.0	20.77	18.1	1.9	0.2	2.1	0.2
15	18.5	28.4	22.5	73.8	19.29	16.9	0.0	48.2	48.2	2.2
16	17.0	26.5	21.6	78.2	19.48	17.0	0.0	1.5	1.5	2.2
17	18.8	29.5	23.0	72.2	19.34	16.8	0.0	0.0	0.0	7.5
18	16.8	29.9	22.8	67.3	17.39	15.2	0.0	0.0	0.0	7.3
19	16.4	30.0	21.7	72.6	18.13	15.7	0.0	1.6	1.6	9.4
20	18.0	28.0	22.9	77.5	20.99	18.2	0.0	0.0	0.0	2.6
21	18.4	31.5	23.0	69.6	18.71	16.3	0.0	0.0	0.0	8.5
22	18.2	29.8	23.3	69.7	19.28	16.9	0.0	0.0	0.0	6.8
23	16.5	30.4	22.3	65.5	16.42	14.2	0.0	4.1	4.1	7.7
24	17.5	28.5	22.0	74.3	18.94	16.5	0.1	0.0	0.1	6.0
25	15.0	30.0	22.4	69.4	17.21	14.8	0.0	0.0	0.0	9.0
26	17.5	23.5	20.6	84.2	20.37	17.8	0.3	0.7	1.0	0.5
27	17.4	30.4	22.2	75.3	19.39	16.9	4.8	3.7	8.5	8.4
28	18.0	24.0	20.6	88.7	21.15	18.4	0.3	0.6	0.9	
29	17.0	30.4	22.7	65.6	16.79	14.6	0.0	0.0	0.0	9.2
30	14.0	31.3	22.1	65.6	16.02	13.9	0.0	0.0	0.0	10.6
31	15.5	30.0	23.4	60.6	16.27	14.3	0.0	0.0	0.0	8.4
PROM.	17.5	29.3	22.7	73.2	19.20	16.7	11.2	160.6	171.8	

M E S - ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.4	30.1	22.6	73.4	19.37	16.8	0.0	0.0	0.0	5.6
2	18.0	29.8	23.3	72.9	19.85	17.2	0.0	2.0	2.0	6.4
3	17.5	30.0	22.8	78.2	20.98	18.1	0.0	0.0	0.0	5.6
4	17.6	30.8	24.5	68.1	19.37	16.8	0.0	9.8	9.8	6.1
5	18.2	27.8	22.3	77.5	20.11	17.4	0.0	0.0	0.0	2.9
6	16.5	30.3	23.8	72.5	20.00	17.4	0.0	0.0	0.0	7.4
7	16.8	32.4	25.1	63.0	18.23	15.9	0.0	3.0	3.0	9.0
8	18.8	31.0	24.5	72.1	20.63	17.6	0.0	1.4	1.4	7.3
9	19.5	28.0	23.4	73.6	20.64	18.0	0.0	0.0	0.0	0.1
10	18.0	30.4	22.8	74.6	20.08	17.5	0.5	0.0	0.5	4.9
11	15.5	31.2	24.0	69.8	19.20	16.7	0.0	0.0	0.0	7.5
12	19.6	29.0	24.1	70.3	20.37	17.7	0.0	0.0	0.0	0.2
13	18.5	30.5	25.1	67.3	19.86	17.1	0.0	0.0	0.0	4.3
14	19.0	29.0	22.2	79.9	21.16	18.3	0.3	9.6	9.9	0.2
15	18.0	30.0	23.4	74.2	20.69	18.0	1.5	0.0	1.5	4.4
16	17.5	32.2	24.8	66.6	19.25	16.8	0.0	16.2	16.2	9.3
17	17.4	33.2	25.5	66.5	19.83	17.2	0.0	0.0	0.0	10.4
18	18.4	31.5	24.2	72.1	20.58	17.8	0.0	0.0	0.0	0.6
19	19.6	32.3	25.2	67.9	20.49	17.7	0.0	1.0	1.0	7.5
20	19.4	30.2	24.5	73.7	21.75	18.7	0.0	0.0	0.0	2.8
21	19.9	32.2	25.1	67.4	20.07	17.4	0.0	0.6	0.6	6.3
22	20.0	30.5	25.6	67.8	20.96	18.1	0.0	15.3	15.3	6.0
23	19.8	31.3	25.2	70.7	21.61	18.6	0.0	52.4	52.4	7.7
24	18.4	28.5	23.4	80.3	22.61	19.4	0.0	0.0	0.0	3.1
25	17.5	32.1	25.2	65.8	19.41	16.8	0.0	0.0	0.0	7.1
26	19.4	30.2	23.7	77.6	22.15	19.1	0.0	2.2	2.2	4.8
27	18.5	30.0	24.4	73.9	21.56	18.5	0.0	17.4	17.4	7.3
28	18.4	30.4	24.1	71.2	20.12	17.4	0.0	0.0	0.0	8.4
29	19.8	29.0	24.1	78.5	23.10	19.7	0.2	2.9	3.1	3.6
30	18.8	29.7	23.2	82.7	22.89	19.6	0.0	0.0	0.0	5.0
PROM	18.4	30.5	24.1	72.3	20.56	17.8	2.5	133.6	136.3	161.8

ESTACION: SANTAGUEDA – FACULTAD MUNICIPIO: PALESTINA AÑO: 1.989

ALTITUD: 1.010 LATITUD: 5-05 N. LONGITUD: 75-40 W.

M E S – MAYO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	20.0	27.8	21.5	81.5	20.93	18.1	31.2	8.4	39.6	2.0
2	18.0	28.4	22.3	74.4	19.40	16.5	0.0	0.0	0.0	4.1
3	18.2	28.0	23.2	74.1	20.09	17.5	0.0	0.0	0.0	4.4
4	19.0	30.5	23.5	71.4	20.00	17.4	0.0	0.0	0.0	5.9
5	17.4	30.4	22.8	80.0	21.67	18.7	0.9	18.8	19.7	5.9
6	18.0	27.2	22.3	78.5	20.56	17.9	0.0	0.0	0.0	3.9
7	18.5	27.4	22.4	81.2	21.82	18.9	6.5	3.4	9.9	2.1
8	17.8	28.4	21.1	81.8	20.05	17.4	1.0	1.9	2.9	3.5
9	18.0	29.0	22.7	76.6	20.24	17.5	0.0	1.9	1.9	6.4
10	18.5	25.0	20.9	85.7	21.19	18.4	1.2	0.0	1.2	0.7
11	15.0	28.2	22.8	77.8	20.55	17.8	0.0	25.0	25.0	5.9
12	16.5	28.8	22.1	82.5	21.41	18.5	0.0	48.2	48.2	5.3
13	18.0	27.5	22.2	77.8	20.28	17.7	1.6	0.0	1.6	4.9
14	16.5	30.2	21.2	75.3	18.83	16.5	9.9	0.0	9.9	5.4
15	16.5	30.6	23.4	69.7	18.92	16.6	0.0	0.0	0.0	8.3
16	18.0	31.9	24.7	69.3	20.11	17.5	0.0	0.0	0.0	8.9
17	17.0	30.8	23.9	70.8	19.31	16.7	0.0	0.0	0.0	8.6
18	18.4	29.4	24.1	75.0	21.66	18.6	0.0	1.0	1.0	3.0
19	19.4	30.2	23.6	74.7	21.11	18.3	0.0	0.0	0.0	4.7
20	18.0	31.0	24.1	74.2	20.99	18.1	0.0	0.0	0.0	7.2
21	16.5	31.2	23.6	73.1	20.15	17.5	0.0	0.0	0.0	7.4
22	18.5	31.5	25.4	70.0	21.23	18.2	0.0	37.7	37.7	6.6
23	19.4	27.9	22.0	84.7	22.58	19.4	10.7	0.0	10.7	2.9
24	19.3	28.4	22.1	83.8	22.13	19.1	1.2	38.9	40.1	3.4
25	18.1	26.0	22.0	81.1	21.01	18.3	1.5	4.2	5.7	4.0
26	19.0	28.1	22.9	79.8	21.80	18.8	0.0	0.0	0.0	5.6
27	17.5	30.0	21.2	81.0	20.26	17.7	18.2	3.0	21.2	5.8
28	15.8	28.2	21.0	79.8	19.18	16.7	3.1	0.0	3.1	6.2
29	18.0	29.5	22.8	73.0	19.21	16.6	0.0	0.0	0.0	6.3
30	16.0	31.2	23.0	76.9	20.47	17.7	0.0	0.0	0.0	9.1
31	18.0	30.8	24.6	73.1	21.68	18.7	0.0	0.0	0.0	5.0
PROM.	17.8	29.1	22.8	77.1	20.61	17.9	87.0	192.4	279.4	163.4

M E S – JUNIO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.2	30.2	24.6	72.2	21.16	18.2	0.0	0.0	0.0	3.9
2	19.8	28.8	22.5	83.2	22.42	19.3	0.1	18.3	18.4	2.9
3	18.8	23.2	21.1	90.2	22.39	19.3	0.6	0.0	0.6	0.0
4	17.5	29.9	23.4	78.5	21.75	18.7	0.0	0.0	0.0	5.4
5	19.2	27.8	22.9	82.0	22.68	19.5	0.4	0.0	0.4	2.0
6	17.8	28.5	23.1	79.1	21.63	18.6	0.0	26.7	26.7	3.7
7	18.4	28.8	22.3	83.2	22.07	19.0	0.1	0.1	0.2	5.0
8	20.0	30.5	24.6	71.8	21.34	18.5	0.0	0.0	0.0	8.1
9	19.8	29.4	22.9	79.5	22.34	19.3	0.5	0.0	0.5	4.2
10	17.8	30.8	23.6	72.9	20.13	17.5	0.0	0.4	0.4	7.5
11	18.2	30.9	22.1	81.5	21.39	18.5	9.5	6.9	16.4	2.8
12	18.5	30.2	24.1	74.4	21.21	18.3	0.0	4.1	4.1	4.4
13	18.8	28.7	23.3	80.5	22.34	19.1	1.0	0.0	1.0	0.7
14	17.5	31.6	23.6	75.5	21.02	18.2	0.0	0.0	0.0	3.8
15	17.4	31.8	22.9	75.6	20.37	17.8	9.4	0.0	9.4	4.7
16	19.0	30.4	23.7	72.6	20.08	17.3	0.0	0.0	0.0	3.6
17	18.4	28.5	23.2	73.9	20.18	17.5	0.0	0.0	0.0	0.3
18	19.4	29.2	23.6	78.4	22.24	19.1	0.8	8.6	9.4	2.4
19	17.8	29.5	23.6	76.1	21.20	18.4	0.0	0.0	0.0	2.4
20	20.0	27.0	23.1	77.2	21.19	18.0	0.0	0.0	0.0	2.2
21	16.8	29.8	22.3	78.9	20.47	17.7	5.4	4.0	9.4	2.5
22	19.0	28.8	23.3	79.5	22.16	19.1	0.0	9.5	9.5	1.8
23	18.0	25.0	20.0	89.4	20.83	18.2	2.4	0.0	2.4	1.0
24	17.0	26.0	21.6	80.1	20.10	17.5	2.0	0.3	2.3	1.5
25	17.4	25.5	20.3	82.6	19.40	16.9	2.4	0.0	2.4	1.5
26	17.8	30.1	23.9	71.1	20.17	17.6	0.0	23.0	23.0	4.7
27	18.4	29.5	23.4	75.2	20.74	18.0	0.8	9.0	9.8	4.0
28	18.0	29.0	21.7	81.1	20.55	17.9	4.6	0.0	4.6	3.9
29	17.6	30.2	23.7	71.1	19.61	16.9	0.0	0.0	0.0	6.3
30	18.5	28.2	22.7	76.6	20.59	17.8	0.0	6.0	6.0	2.8
PROM	18.4	28.9	22.9	78.1	21.13	18.3	40.0	116.9	156.9	100.0

ESTACION: SANTAGUEDA – FACULTAD MUNICIPIO: PALESTINA AÑO: 1.989

ALTITUD: 1.010 LATITUD: 5–05 N. LONGITUD: 75–40 W.

M E S – JULIO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.4	28.0	22.7	72.4	19.09	16.6	0.0	0.0	0.0	5.2
2	17.2	29.2	22.8	71.3	18.84	16.4	0.0	0.0	0.0	7.2
3	16.0	30.0	22.7	73.0	18.90	16.5	0.0	0.0	0.0	8.8
4	15.5	30.1	22.8	69.3	17.99	15.6	0.0	0.2	0.2	7.6
5	18.4	29.0	23.1	76.3	20.80	17.9	0.0	9.0	9.0	5.0
6	18.8	28.8	23.5	75.4	20.74	17.8	0.0	0.2	0.2	5.8
7	18.4	28.2	23.0	75.8	20.66	17.9	0.0	9.4	9.4	4.6
8	17.8	29.2	22.8	75.2	20.44	17.7	0.0	49.4	49.4	6.0
9	18.0	29.0	22.2	78.8	20.49	17.8	0.0	0.0	0.0	8.2
10	16.4	30.1	22.7	69.9	18.10	15.8	0.0	0.0	0.0	9.0
11	14.5	29.9	22.4	70.7	17.70	15.4	0.0	0.0	0.0	7.7
12	16.4	30.8	22.5	70.9	18.17	15.9	0.0	0.0	0.0	8.7
13	16.6	31.0	23.6	70.4	18.81	16.2	0.0	0.0	0.0	9.1
14	16.5	32.4	23.4	70.7	18.86	16.4	0.0	0.0	0.0	10.1
15	15.4	32.2	24.2	67.1	18.90	16.4	0.0	0.0	0.0	9.7
16	16.2	28.5	22.5	77.3	20.35	17.7	0.0	0.0	0.0	2.9
17	14.5	28.8	23.4	70.5	18.80	16.4	0.0	0.0	0.0	4.6
18	15.8	30.0	23.7	59.7	15.45	13.4	0.0	0.0	0.0	5.5
19	18.6	31.8	23.9	72.1	20.37	17.5	0.0	20.0	20.0	6.9
20	18.7	27.5	21.7	81.7	20.85	18.1	6.8	2.9	9.7	2.1
21	18.2	28.0	22.6	77.8	20.75	18.0	0.0	0.6	0.6	3.4
22	18.8	27.4	22.2	82.2	21.71	18.7	9.2	0.4	9.6	2.1
23	19.0	28.0	22.7	76.4	20.50	17.8	0.0	2.2	2.2	4.1
24	17.4	28.4	22.8	78.6	20.96	18.1	0.0	7.6	7.6	4.3
25	18.5	28.8	23.0	71.1	19.20	16.7	0.0	6.4	6.4	4.4
26	18.2	28.2	22.6	79.4	20.99	18.0	8.6	1.0	9.6	4.2
27	19.0	29.4	23.0	74.6	20.19	17.6	0.0	0.0	0.0	8.1
28	16.8	29.5	22.9	73.4	19.55	16.9	0.0	0.0	0.0	5.2
29	17.8	31.4	23.8	73.8	20.66	17.8	0.0	19.5	19.5	9.5
30	17.6	29.4	23.1	74.4	19.71	16.9	0.0	6.5	6.5	10.1
31	17.8	31.8	24.2	73.8	20.97	18.1	0.0	9.3	9.3	8.9
PROM.	17.3	29.5	23.0	73.7	19.66	17.0	24.6	144.6	169.2	199.0

M E S – AGOSTO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.5	28.8	23.0	78.0	21.47	18.6	0.6	0.0	0.6	4.6
2	16.8	30.8	22.5	76.1	19.99	17.4	0.0	0.2	0.2	6.0
3	17.5	31.4	24.6	63.5	18.21	16.0	0.0	0.0	0.0	9.9
4	18.0	30.8	23.7	71.7	19.89	17.2	0.0	0.0	0.0	8.4
5	16.5	30.2	23.9	68.2	18.59	16.2	0.0	9.4	9.4	6.8
6	18.0	26.5	21.4	77.4	19.63	17.2	0.0	0.0	0.0	6.3
7	14.0	31.5	23.5	72.5	19.51	17.0	0.0	0.0	0.0	10.1
8	17.5	32.0	24.6	66.7	19.17	16.7	0.0	37.0	37.0	6.8
9	17.2	29.4	22.9	74.3	19.62	17.0	0.8	2.8	3.6	6.9
10	18.5	30.1	23.2	72.8	19.62	17.0	0.0	6.1	6.1	7.2
11	18.5	27.4	22.5	72.7	19.25	16.9	0.0	0.0	0.0	6.2
12	15.8	29.5	23.5	69.9	18.76	16.4	0.0	0.4	0.4	5.8
13	16.8	27.2	22.2	80.0	20.74	17.9	0.2	0.0	0.2	2.8
14	16.8	29.2	23.2	70.9	19.11	16.6	0.0	1.3	1.3	4.9
15	19.4	31.5	24.2	75.9	21.90	18.8	0.0	4.6	4.6	6.1
16	18.0	28.2	23.2	76.2	21.00	18.3	0.0	3.1	3.1	0.1
17	17.5	30.0	23.1	74.8	20.33	17.7	0.0	0.0	0.0	6.4
18	16.8	32.5	25.5	65.0	19.53	17.0	0.0	3.6	3.6	8.9
19	19.8	30.5	23.1	80.1	22.44	19.3	0.3	9.1	9.4	4.9
20	19.0	29.0	23.7	75.2	21.19	18.3	0.0	0.7	0.7	5.5
21	18.4	30.0	24.3	68.6	19.58	17.1	0.0	2.0	2.0	6.0
22	17.5	30.2	24.0	73.8	20.85	18.0	0.0	0.0	0.0	3.8
23	18.8	28.5	22.6	76.9	20.68	18.0	0.2	0.9	1.1	2.0
24	18.4	31.2	24.2	65.4	18.24	15.8	0.0	0.0	0.0	6.7
25	18.9	31.4	24.2	70.9	20.30	17.5	0.0	13.0	13.0	8.4
26	18.5	29.0	22.6	73.8	19.44	16.8	0.0	0.5	0.5	5.3
27	19.0	30.0	23.9	72.4	20.46	17.6	0.0	1.4	1.4	6.7
28	18.5	28.2	23.2	72.8	19.88	17.2	0.1	21.4	21.5	3.4
29	18.0	27.4	22.2	78.0	20.15	17.6	0.9	13.0	13.9	2.2
30	18.2	27.5	22.2	73.8	18.85	16.3	0.0	0.0	0.0	3.0
31	17.4	29.8	22.6	71.6	18.50	16.1	0.0	0.0	0.0	5.9
PROM	17.8	29.7	23.3	72.9	19.90	17.3	3.1	130.5	133.6	178.0

ESTACION: SANTAGUEDA – FACULTAD MUNICIPIO: PALESTINA AÑO: 1.989

ALTITUD: 1.010 LATITUD: 5–05 N. LONGITUD: 75–40 W.

M E S – SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.8	28.8	22.9	73.7	20.02	17.5	0.0	0.0	0.0	3.9
2	17.4	31.5	23.4	71.0	19.18	16.6	0.0	0.0	0.0	5.4
3	17.0	31.2	24.0	67.8	18.93	16.6	0.0	28.6	28.6	6.5
4	18.5	29.8	23.6	76.8	21.51	18.6	0.0	0.6	0.6	3.9
5	19.4	29.0	22.6	78.9	21.36	18.5	2.4	1.1	3.5	2.6
6	19.0	27.4	23.1	76.8	21.20	18.4	0.0	11.7	11.7	2.9
7	19.5	29.6	22.4	80.2	21.66	18.7	3.4	0.0	3.4	4.5
8	18.4	30.0	24.0	65.1	18.31	15.9	0.0	0.4	0.4	4.9
9	19.5	27.8	22.5	79.3	21.54	18.7	0.0	0.5	0.5	2.9
10	19.0	28.0	23.1	75.0	20.55	17.9	0.0	17.8	17.8	3.6
11	16.5	28.2	22.8	76.3	20.42	17.8	0.0	21.0	21.0	3.5
12	17.0	29.2	22.8	75.0	20.11	17.5	0.0	0.5	0.5	6.6
13	18.8	29.3	23.0	73.8	19.79	17.2	0.0	13.2	13.2	8.0
14	18.4	27.8	22.0	77.4	19.92	17.3	3.1	0.0	3.1	4.1
15	16.4	30.8	23.3	71.1	19.27	16.7	0.0	7.9	7.9	9.5
16	18.0	30.0	23.4	74.4	20.58	17.8	0.0	0.0	0.0	7.6
17	17.8	30.8	24.3	67.0	18.93	16.4	0.0	5.1	5.1	6.9
18	19.0	28.9	23.7	70.7	19.98	17.4	0.3	0.0	0.3	4.4
19	17.4	29.0	23.8	68.1	18.87	16.5	0.0	0.4	0.4	4.2
20	19.2	26.5	22.7	75.2	20.27	17.7	0.0	0.7	0.7	0.9
21	19.0	29.2	22.3	75.1	19.68	17.1	0.0	14.0	14.0	4.5
22	17.5	24.5	21.0	82.8	20.15	17.5	0.0	0.0	0.0	0.1
23	16.5	30.2	23.2	77.1	21.10	18.3	0.0	0.4	0.4	9.6
24	18.5	30.0	23.3	74.0	20.29	17.6	0.0	0.3	0.3	
25	18.2	31.2	22.3	72.9	18.83	16.4	4.4	45.5	49.9	7.8
26	17.8	27.0	22.0	76.7	19.70	17.2	0.7	0.4	1.1	1.9
27	18.8	29.5	22.2	75.8	19.66	17.1	0.0	0.7	0.7	2.7
28	19.0	23.0	19.7	90.5	20.99	18.3	1.8	1.0	2.8	0.0
29	16.5	29.0	22.6	72.6	19.09	16.7	0.0	0.0	0.0	5.7
30	17.0	30.8	22.9	72.2	19.12	16.6	0.0	0.0	0.0	7.4
PROM.	18.1	28.9	22.8	74.8	20.03	17.4	16.1	171.8	187.9	

M E S – OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	31.0	23.0	69.0	18.16	15.8	0.0	30.9	30.9	7.3
2	17.4	28.9	22.3	76.5	19.98	17.5	4.2	9.7	13.9	4.8
3	18.8	28.2	22.7	73.5	19.59	17.1	0.0	0.0	0.0	4.1
4	18.6	28.6	22.0	75.4	19.67	17.2	0.9	16.2	17.1	2.7
5	16.6	26.4	20.8	83.8	20.13	17.6	0.3	0.0	0.3	3.0
6	15.5	31.2	23.3	71.3	18.89	16.3	0.0	10.5	10.5	7.3
7	18.4	31.0	23.6	71.7	19.90	17.2	0.0	0.7	0.7	8.2
8	19.4	28.5	23.0	72.0	19.53	16.9	0.0	17.1	17.1	3.4
9	17.5	27.2	21.5	84.9	21.67	18.8	1.3	0.0	1.3	3.9
10	17.6	28.0	21.8	76.1	19.33	16.8	14.5	15.5	30.0	3.4
11	17.8	26.2	21.6	77.8	19.58	17.1	0.0	3.4	3.4	0.6
12	17.5	26.0	21.6	79.4	20.13	17.6	0.1	0.0	0.1	0.9
13	18.6	29.9	23.0	73.8	20.10	17.5	1.2	14.9	16.1	5.1
14	18.2	29.2	22.7	73.6	19.56	17.1	0.0	0.9	0.9	4.6
15	19.0	27.2	22.1	76.9	20.09	17.5	0.0	0.0	0.0	2.0
16	17.2	29.4	22.6	73.1	19.17	16.6	0.1	0.0	0.1	4.8
17	18.4	26.6	21.7	81.0	20.97	18.3	2.3	0.0	2.3	0.8
18	17.8	30.0	23.6	73.4	20.32	17.6	0.0	3.3	3.3	7.1
19	18.8	28.8	22.3	76.1	20.03	17.4	1.5	0.0	1.5	3.6
20	15.8	31.8	23.1	69.7	18.50	16.1	0.0	0.2	0.2	9.4
21	18.6	31.7	21.9	76.5	19.61	17.0	17.7	0.4	18.1	7.6
22	17.5	30.0	23.8	72.8	20.24	17.5	0.1	16.3	16.4	7.4
23	19.0	29.9	23.4	75.0	21.22	18.4	3.1	7.0	10.1	5.5
24	19.2	27.8	23.3	75.1	20.72	17.9	0.0	3.4	3.4	1.1
25	19.8	28.4	22.9	75.5	20.63	17.9	0.0	0.0	0.0	2.4
26	19.5	28.2	23.8	73.2	20.72	17.9	0.0	28.1	28.1	3.2
27	19.6	27.5	22.8	81.2	22.24	19.2	2.0	12.5	14.5	1.6
28	19.0	24.5	21.5	86.0	21.84	18.9	1.1	0.0	1.1	0.2
29	17.5	28.5	23.1	76.0	20.97	18.2	0.0	0.0	0.0	4.4
30	19.0	29.4	24.0	72.8	21.11	18.3	0.0	1.7	1.7	4.5
31	17.5	30.0	23.5	74.4	20.49	17.8	0.0	42.0	42.0	7.5
PROM	18.1	28.7	22.7	75.7	20.17	17.5	50.4	234.7	285.1	132.4

ESTACION: SANTAGUEDA – FACULTAD MUNICIPIO: PALESTINA AÑO: 1.989

ALTITUD: 1.010 LATITUD: 5-05 N. LONGITUD: 75-40 W.

M E S – NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.6	26.8	21.2	82.1	20.45	17.8	1.6	0.0	1.6	2.4
2	17.6	28.2	22.0	76.2	19.28	16.6	0.0	22.0	22.0	5.4
3	19.4	29.0	23.4	73.3	20.21	17.5	0.0	4.2	4.2	5.6
4	19.7	24.5	20.5	92.8	22.42	19.3	10.2	1.1	11.3	1.1
5	18.5	29.8	22.9	73.0	19.70	17.1	0.0	0.0	0.0	6.9
6	18.8	30.2	24.1	67.9	19.72	17.2	0.0	12.7	12.7	7.8
7	19.0	26.9	22.1	78.1	20.48	17.9	9.4	0.1	9.5	3.3
8	19.8	28.5	23.0	64.8	18.04	15.8	0.0	0.0	0.0	5.1
9	18.8	31.0	23.4	67.7	18.84	16.4	0.0	0.0	0.0	9.0
10	17.8	29.2	23.0	70.6	19.05	16.7	0.0	2.8	2.8	6.4
11	18.8	22.8	20.5	81.7	19.62	17.1	0.2	0.0	0.2	0.0
12	17.2	27.6	21.6	72.1	17.88	15.5	0.0	0.0	0.0	5.3
13	17.8	27.5	22.5	75.1	19.68	17.2	0.0	0.0	0.0	1.0
14	16.5	30.6	23.7	66.3	17.99	15.5	0.0	0.0	0.0	8.8
15	19.2	30.2	23.1	75.4	20.58	17.8	3.2	0.0	3.2	5.5
16	18.8	30.0	24.4	74.7	21.68	18.6	1.3	25.7	27.0	6.8
17	19.0	28.0	22.0	80.2	21.01	18.3	0.0	0.0	0.0	4.2
18	18.4	30.2	23.6	74.5	20.95	18.1	0.0	0.0	0.0	5.8
19	19.6	32.2	24.6	71.9	21.42	18.4	0.0	3.4	3.4	8.1
20	20.6	31.5	24.8	67.4	20.42	17.8	0.0	14.2	14.2	5.2
21	19.8	25.8	22.2	78.5	20.94	18.2	0.0	0.0	0.0	0.7
22	18.0	29.4	22.6	76.0	20.07	17.4	2.5	0.0	2.5	4.6
23	19.0	30.2	24.4	71.5	20.80	17.9	0.0	64.7	64.7	6.8
24	19.8	27.5	22.3	77.8	20.72	18.0	0.0	0.0	0.0	2.0
25	18.2	26.5	22.1	81.7	21.51	18.6	0.0	0.0	0.0	1.5
26	17.5	30.0	22.9	72.2	19.12	16.6	0.0	0.0	0.0	8.4
27	16.5	32.1	24.3	67.5	19.20	16.6	0.0	0.0	0.0	8.1
28	18.2	29.9	24.7	70.2	20.53	17.8	0.0	56.7	56.7	4.7
29	18.5	28.0	22.8	77.6	21.09	18.3	0.2	18.4	18.6	2.4
30	18.8	29.2	21.4	74.9	19.10	16.7	0.0	16.4	16.4	6.2
PROM.	18.6	28.8	22.9	74.5	20.08	17.4	28.6	242.4	271.0	149.1

M E S – DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	19.6	29.0	22.5	75.2	20.22	17.6	4.7	12.1	16.8	6.7
2	18.8	24.5	20.6	88.3	21.41	18.6	0.3	0.0	0.3	0.0
3	17.9	30.2	23.4	72.0	19.96	17.4	0.0	0.2	0.2	7.8
4	19.2	25.5	20.5	84.5	20.76	18.1	0.8	0.0	0.8	1.1
5	18.2	26.2	21.7	84.5	21.57	18.7	0.1	4.5	4.6	2.5
6	17.7	29.8	22.7	76.4	20.21	17.5	0.0	0.0	0.0	6.7
7	18.4	30.5	24.0	72.5	20.43	17.7	0.0	0.0	0.0	7.8
8	18.5	30.1	23.6	70.6	20.00	17.4	0.0	0.1	0.1	7.4
9	19.8	31.4	24.6	73.6	21.64	18.6	0.0	40.0	40.0	7.5
10	18.6	28.0	22.3	77.2	20.30	17.7	0.0	0.0	0.0	3.7
11	19.5	29.6	23.5	75.1	21.05	18.2	0.0	12.1	12.1	4.6
12	19.4	28.9	23.8	73.3	20.64	17.8	0.0	5.8	5.8	5.1
13	19.9	29.2	24.1	73.0	20.76	17.7	0.0	0.0	0.0	4.2
14	20.0	29.0	23.6	75.3	21.38	18.5	0.0	0.4	0.4	3.2
15	19.1	30.0	23.1	72.1	19.37	16.7	0.0	0.0	0.0	7.0
16	17.6	28.8	22.0	74.6	18.63	16.0	0.0	0.0	0.0	6.0
17	18.4	30.0	23.8	73.8	20.64	17.9	0.0	0.0	0.0	6.3
18	18.6	31.5	23.8	72.4	20.02	17.2	0.0	0.0	0.0	9.2
19	17.8	30.8	23.0	72.1	18.96	16.4	0.0	0.0	0.0	7.7
20	16.2	30.4	22.9	71.5	18.60	16.1	0.0	0.0	0.0	7.6
21	18.6	30.8	23.3	71.3	19.45	16.9	0.0	0.0	0.0	7.8
22	17.0	31.2	23.1	71.2	18.95	16.5	0.0	0.0	0.0	8.7
23	19.0	30.1	23.0	72.5	19.76	17.2	11.4	0.3	11.7	5.4
24	18.0	28.2	22.9	76.5	20.84	18.1	0.0	2.3	2.3	2.7
25	18.4	27.9	21.1	85.0	21.11	18.3	6.7	0.7	7.4	2.3
26	18.8	28.0	22.6	77.2	20.60	17.8	0.0	0.0	0.0	4.6
27	17.2	28.5	22.9	71.4	19.17	16.8	0.0	0.0	0.0	4.5
28	19.0	25.0	21.9	80.3	20.86	18.2	0.3	0.0	0.3	0.8
29	18.8	30.1	22.4	74.3	19.72	17.2	0.0	0.0	0.0	8.0
30	17.6	30.3	22.3	71.6	18.60	16.2	0.0	0.0	0.0	8.8
31	16.4	30.0	22.3	70.0	17.55	15.2	0.0	0.0	0.0	8.9
PROM	18.5	29.1	22.8	75.1	20.10	17.4	24.3	78.5	102.8	174.6

ESTACION: SANTAGUEDA – FACULTAD MUNICIPIO: PALESTINA AÑO: 1.989

ALTITUD: 1.010 LATITUD: 9-05 N. LONGITUD: 75-40 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	18.2	28.5	22.8	16.5	31.0	76.2	20.51	17.8	210.9	22	154.1
FEBRERO	17.8	29.1	23.0	13.8	31.8	74.3	20.02	17.4	75.4	17	152.8
MARZO	17.5	29.3	22.7	14.0	33.5	73.2	19.20	16.7	171.8	16	
ABRIL	18.4	30.5	24.1	15.5	33.2	72.3	20.56	17.8	136.3	15	161.8
MAYO	17.8	29.1	22.8	15.0	31.9	77.1	20.61	17.9	279.4	17	163.4
JUNIO	18.4	28.9	22.9	16.8	31.8	78.1	21.13	18.3	156.9	21	100.0
JULIO	17.3	29.5	23.0	14.5	32.4	73.7	19.66	17.0	169.2	16	199.0
AGOSTO	17.8	29.7	23.3	14.0	32.5	72.5	19.90	17.3	133.6	21	178.0
SEPTIEMBRE	18.1	28.9	22.8	16.4	31.5	74.8	20.03	17.4	187.9	24	
OCTUBRE	18.1	28.7	22.7	15.5	31.8	75.7	20.17	17.5	285.1	27	132.4
NOVIEMBRE	18.6	28.8	22.9	16.5	32.2	74.5	20.08	17.4	271.0	17	149.1
DICIEMBRE	18.5	29.1	22.8	16.2	31.5	75.1	20.10	17.4	102.8	14	174.6
PROMEDIO	18.0	29.2	23.0	15.4	32.1	74.8	20.16	17.5			
TOTAL									2180.3	227	

ESTACION: SANTAGUEDA - LUKER MUNICIPIO: PALESTINA AÑO: 1.989

ALTITUD: 1.020 LATITUD: 5-05 N. LONGITUD: 75-41 W.

M E S - ENERO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	26.5	20.2	83.5	19.82	17.3	55.0	0.9	55.9	3.1
2	18.0	25.5	21.6	84.8	21.78	18.8	6.5	17.6	24.1	0.9
3	17.8	28.5	22.7	74.3	19.64	17.1	0.0	2.4	2.4	5.2
4	19.0	28.0	22.6	80.6	21.55	18.6	0.7	78.0	78.7	4.6
5	17.5	26.2	21.1	82.4	20.39	17.8	0.1	2.1	2.2	3.1
6	18.0	29.0	23.5	75.0	20.88	18.1	0.0	2.1	2.1	6.3
7	17.8	28.9	22.3	78.4	20.73	18.1	0.0	7.0	7.0	7.2
8	18.0	28.6	22.5	76.0	20.08	17.5	0.0	5.2	5.2	6.2
9	18.2	28.2	22.5	77.3	20.43	17.8	0.0	0.0	0.0	6.2
10	17.0	24.5	20.4	86.5	20.72	18.1	1.3	0.4	1.7	1.6
11	17.4	26.4	21.6	79.7	20.03	17.4	0.0	0.0	0.0	4.6
12	16.8	28.0	22.4	71.2	18.38	16.1	0.0	0.8	0.8	6.7
13	18.4	27.5	22.9	77.5	21.16	18.4	0.0	3.2	3.2	3.2
14	18.0	29.5	22.8	76.9	20.50	17.8	0.0	0.5	0.5	6.9
15	19.0	29.6	22.5	80.2	21.53	18.6	0.6	0.0	0.6	5.5
16	17.0	29.2	23.5	72.2	19.76	17.1	0.0	9.6	9.6	6.7
17	19.0	29.0	23.4	80.5	22.59	19.4	0.0	15.5	15.5	4.9
18	18.5	29.9	23.5	76.7	21.40	18.5	0.1	25.2	25.3	7.5
19	19.0	30.0	22.3	77.9	20.55	17.9	0.0	2.9	2.9	6.2
20	18.5	29.0	23.5	75.8	21.08	18.3	0.2	0.0	0.2	5.4
21	17.4	29.1	22.9	76.1	20.47	17.8	0.0	0.0	0.0	4.6
22	17.0	28.4	22.7	80.3	21.53	18.6	0.0	0.0	0.0	7.0
23	17.5	30.0	24.3	67.1	18.91	16.5	0.0	4.6	4.6	7.7
24	19.0	28.5	23.4	74.0	20.57	17.9	0.0	0.0	0.0	3.7
25	18.0	28.4	23.5	76.5	21.51	18.6	0.0	0.0	0.0	4.0
26	19.0	29.0	23.8	78.0	22.33	19.2	0.0	18.9	18.9	5.9
27	18.8	24.5	21.5	89.6	22.74	19.5	0.3	1.0	1.3	0.2
28	19.0	25.0	21.8	87.6	22.65	19.5	0.0	11.8	11.8	0.8
29	18.9	28.4	22.3	72.3	18.97	16.6	0.0	0.0	0.0	5.6
30	19.0	26.9	22.0	84.7	22.34	19.2	0.0	0.0	0.0	2.3
31	18.9	28.0	22.7	77.3	20.90	18.1	0.0	2.6	2.6	5.2
PROM.	18.1	28.0	22.5	78.4	20.84	18.1	64.8	212.3	277.1	149.0

M E S - FEBRERO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	25.0	20.7	87.8	21.51	18.7	7.6	1.1	8.7	1.7
2	17.5	28.5	22.4	77.9	20.52	17.9	0.1	2.6	2.7	4.9
3	18.8	26.5	22.2	80.7	21.46	18.6	0.0	0.1	0.1	2.2
4	18.0	25.5	20.9	80.8	19.90	17.4	0.0	7.6	7.6	1.7
5	16.4	28.5	22.7	77.3	20.50	17.8	0.8	5.4	6.2	7.2
6	17.5	29.9	23.5	74.6	20.68	17.9	0.1	0.0	0.1	8.0
7	18.5	28.0	22.7	79.8	21.44	18.4	0.5	0.0	0.5	5.1
8	16.5	29.0	22.6	75.7	19.84	17.3	0.0	18.3	18.3	5.7
9	18.5	28.0	23.5	74.9	20.84	18.2	0.0	0.4	0.4	3.4
10	19.0	27.5	22.3	81.9	21.80	18.8	4.0	3.6	7.6	4.8
11	18.9	27.0	21.5	82.3	20.89	18.1	5.1	2.4	7.5	4.3
12	18.0	28.0	22.7	75.2	19.99	17.3	0.0	0.0	0.0	7.1
13	18.9	26.0	21.6	82.8	20.89	18.1	1.0	0.0	1.0	1.7
14	15.0	29.0	22.3	74.0	18.69	16.3	0.0	0.2	0.2	7.8
15	16.4	29.0	22.3	72.5	18.60	16.2	0.0	0.0	0.0	9.4
16	16.0	28.5	21.3	72.2	17.48	15.1	0.0	0.0	0.0	9.8
17	16.5	24.5	19.7	81.1	18.68	16.4	0.0	0.0	0.0	3.9
18	13.0	29.5	21.5	71.2	17.03	14.8	0.0	0.0	0.0	9.9
19	15.0	28.4	21.6	72.3	17.92	15.6	0.0	0.0	0.0	8.1
20	17.0	28.3	23.4	73.4	20.35	17.6	0.0	0.0	0.0	7.4
21	19.0	28.0	22.0	81.5	21.38	18.5	4.9	0.0	4.9	4.6
22	17.5	27.2	21.4	81.8	20.48	17.8	0.4	0.0	0.4	2.7
23	17.0	27.0	20.3	82.3	19.66	17.2	1.0	0.0	1.0	3.8
24	15.0	29.5	22.1	74.2	19.00	16.6	0.0	0.0	0.0	9.0
25	15.5	29.0	22.4	72.4	18.73	16.4	0.0	2.4	2.4	6.5
26	18.0	28.0	21.8	77.6	20.23	17.6	0.0	0.0	0.0	1.8
27	17.0	29.0	23.3	75.4	20.53	17.7	0.0	0.0	0.0	6.7
28	17.5	30.0	23.5	73.3	20.44	17.8	0.0	0.0	0.0	6.8
PROM	17.1	27.9	22.1	77.4	19.98	17.4	25.5	44.1	69.6	156.0

ESTACION: SANTAGUEDA - LUKER **MUNICIPIO:** PALESTINA **AÑO:** 1.985

ALTITUD: 1.020 **LATITUD:** 5-05 N. **LONGITUD:** 75-41 W.

M E S - MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	31.4	23.1	70.5	18.83	16.4	0.0	0.0	0.0	9.8
2	18.0	30.4	23.6	76.7	21.77	18.8	0.0	0.0	0.0	8.7
3	17.0	28.5	23.0	78.6	21.52	18.6	0.0	38.5	38.5	4.8
4	17.5	28.0	22.1	77.8	20.24	17.7	0.0	0.0	0.0	3.7
5	18.0	22.5	19.6	89.4	20.41	17.8	1.2	0.0	1.2	0.0
6	17.0	29.6	22.9	74.7	19.86	17.2	0.0	1.4	1.4	5.7
7	16.9	27.4	21.6	78.5	19.67	17.2	0.0	0.0	0.0	4.1
8	18.0	29.4	21.7	78.4	19.91	17.3	1.5	0.0	1.5	3.9
9	17.0	28.5	23.0	74.1	19.67	17.0	0.0	0.0	0.0	6.3
10	16.4	30.0	23.1	75.2	20.01	17.3	0.0	0.0	0.0	9.7
11	18.0	29.2	21.9	74.5	19.07	16.6	0.1	40.7	40.8	5.9
12	17.4	28.0	22.5	75.3	19.64	17.1	0.7	6.7	7.4	7.2
13	18.0	27.6	22.4	81.3	21.74	18.7	0.0	20.1	20.1	3.3
14	18.2	25.4	20.9	88.6	21.85	18.9	1.0	0.0	1.0	0.2
15	18.0	27.5	22.1	78.1	20.20	17.6	0.0	45.9	45.9	2.8
16	17.0	25.5	21.1	80.5	19.77	17.3	0.2	3.0	3.2	2.3
17	18.0	28.5	22.3	72.8	18.86	16.4	0.0	0.0	0.0	5.4
18	16.4	28.2	22.5	70.6	18.33	16.0	0.0	0.0	0.0	7.0
19	15.8	28.5	21.8	74.8	18.78	16.4	0.0	0.7	0.7	9.3
20	17.5	26.2	22.0	79.5	20.65	18.0	0.0	0.0	0.0	1.9
21	17.0	29.8	22.2	75.3	19.61	17.1	0.0	0.0	0.0	8.3
22	17.5	28.2	22.3	77.6	20.34	17.8	0.0	0.0	0.0	6.7
23	16.0	29.2	22.4	70.2	17.85	15.6	0.0	4.3	4.3	7.8
24	17.5	28.0	21.0	79.2	19.27	16.8	0.0	0.0	0.0	4.3
25	14.8	29.4	21.6	75.0	18.24	15.9	0.0	0.8	0.8	8.9
26	17.0	23.2	19.8	87.5	20.20	17.7	2.4	1.2	3.6	0.2
27	17.0	29.0	21.7	73.4	18.36	16.1	2.8	2.7	5.5	6.8
28	16.9	23.0	19.3	90.9	20.43	17.8	2.7	0.4	3.1	0.3
29	16.4	29.4	21.7	77.5	19.34	16.8	0.0	0.0	0.0	9.1
30	14.0	30.0	21.4	71.4	16.96	14.7	0.0	0.0	0.0	10.2
31	15.4	28.4	22.5	72.0	18.71	16.2	0.0	0.7	0.7	8.4
PROM.	17.0	28.0	21.9	77.4	19.68	17.1	12.6	167.1	179.7	173.0

M E S - ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.5	29.0	21.4	76.4	19.07	16.7	0.0	0.0	0.0	5.5
2	17.5	28.0	22.2	77.5	20.50	17.8	0.0	1.5	1.9	6.7
3	16.8	28.2	22.3	80.9	21.36	18.5	0.0	0.0	0.0	4.9
4	17.0	29.5	22.6	73.5	19.09	16.6	0.0	12.6	12.6	6.1
5	17.2	28.8	21.8	80.4	20.44	17.8	0.0	0.0	0.0	3.1
6	17.0	30.8	23.5	75.0	20.44	17.6	0.0	0.2	0.2	7.3
7	17.6	30.0	23.8	72.7	19.97	17.2	0.0	7.6	7.6	8.8
8	18.5	26.0	22.2	76.3	19.66	16.9	0.0	0.4	0.4	7.0
9	18.4	27.5	22.2	82.3	21.93	19.0	0.0	0.0	0.0	0.5
10	18.0	29.2	22.0	80.5	20.96	18.2	0.9	0.0	0.9	5.3
11	15.0	30.0	22.8	72.5	19.06	16.6	0.0	0.0	0.0	8.5
12	19.0	27.5	23.6	81.4	23.18	19.8	0.0	0.0	0.0	0.6
13	18.0	29.2	23.9	74.7	21.03	18.1	0.0	0.0	0.0	3.9
14	19.0	28.0	22.3	84.1	22.46	19.3	0.0	20.8	20.8	0.5
15	18.0	28.8	22.6	80.1	21.60	18.7	1.3	0.0	1.3	3.4
16	17.0	30.0	23.4	73.1	20.29	17.7	0.0	16.4	16.4	9.3
17	16.8	32.0	23.6	73.7	20.44	17.8	0.0	0.0	0.0	9.8
18	18.0	30.2	24.2	75.8	22.26	19.2	0.0	0.0	0.0	7.0
19	18.5	30.0	23.3	75.7	20.92	18.1	0.0	0.0	0.0	8.9
20	19.0	29.2	23.0	79.3	21.95	19.0	0.0	0.0	0.0	4.2
21	18.5	31.2	24.1	72.8	20.83	17.9	0.0	0.0	0.0	7.1
22	19.8	29.4	24.0	77.1	22.39	19.2	0.0	9.5	9.5	7.2
23	19.0	30.0	24.8	77.6	23.78	20.2	0.0	60.8	60.8	8.4
24	17.0	27.5	21.8	86.2	22.35	19.2	0.0	0.0	0.0	3.1
25	17.1	31.0	23.5	75.5	20.98	18.1	0.0	0.3	0.3	7.7
26	18.4	29.5	22.7	84.5	23.19	19.8	1.9	3.2	5.1	5.9
27	18.0	29.0	24.0	76.8	22.05	18.9	0.0	17.4	17.4	7.5
28	17.8	28.9	23.0	75.4	20.07	17.3	0.0	0.0	0.0	8.5
29	19.0	27.8	22.9	78.2	21.29	18.3	0.0	4.2	4.2	3.4
30	18.0	28.0	22.6	79.8	21.13	18.3	0.0	0.0	0.0	3.2
PROM	17.8	29.1	23.0	77.7	21.16	18.3	4.1	155.3	159.4	173.3

ESTACION: SANTAGUEDA – LUKER MUNICIPIO: PALESTINA AÑO: 1.969

ALTITUD: 1.020 LATITUD: 5-05 N. LONGITUD: 75-41 W.

M E S – MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	19.8	26.2	21.0	84.5	21.25	18.4	20.2	10.5	30.7	1.8
2	17.0	27.0	21.1	78.9	19.67	17.2	0.2	0.0	0.2	3.6
3	17.5	27.2	22.1	77.2	20.37	17.7	0.0	0.0	0.0	5.0
4	18.0	29.0	22.6	73.2	19.58	17.0	0.0	0.0	0.0	6.0
5	16.8	28.4	22.1	82.7	21.81	18.8	0.4	18.5	18.9	6.2
6	17.4	26.6	20.8	75.4	18.11	15.8	0.0	0.0	0.0	2.7
7	17.5	26.2	20.2	82.0	19.36	17.0	0.2	34.2	34.4	2.3
8	16.0	27.0	19.6	83.5	18.87	16.6	1.4	2.1	3.5	3.3
9	17.0	28.0	21.1	81.3	20.05	17.5	0.0	1.5	1.5	5.7
10	18.0	24.0	19.7	89.4	20.35	17.7	3.0	0.0	3.0	0.2
11	14.5	28.0	22.0	81.2	20.68	17.9	0.0	16.4	16.4	6.2
12	16.0	28.0	21.9	81.7	21.41	18.6	0.5	27.6	28.1	6.2
13	17.2	27.0	20.8	85.3	20.80	18.1	1.4	0.0	1.4	3.6
14	16.0	29.0	20.5	83.4	20.27	17.7	17.8	0.0	17.8	6.2
15	16.0	29.1	22.5	72.3	18.87	16.9	0.0	0.0	0.0	8.4
16	17.0	31.0	23.1	77.1	21.20	18.4	0.0	0.0	0.0	9.7
17	16.5	29.5	23.1	78.1	21.28	18.3	0.0	0.0	0.0	9.3
18	17.5	28.4	23.9	78.3	22.63	19.3	0.0	2.1	2.1	4.4
19	18.2	28.8	23.0	81.4	22.63	19.4	0.0	0.0	0.0	4.9
20	17.0	30.1	22.9	78.7	21.40	18.9	0.0	0.0	0.0	7.9
21	15.8	29.2	23.1	74.4	20.38	17.6	0.0	0.0	0.0	8.4
22	17.4	30.2	24.5	76.0	22.49	19.3	0.0	31.4	31.4	6.8
23	18.5	26.2	21.4	85.1	21.82	18.9	35.7	0.0	35.7	2.6
24	18.0	27.5	21.8	82.6	21.49	18.6	1.1	44.5	45.6	2.8
25	17.4	24.9	20.7	84.8	20.42	17.8	1.3	3.6	4.9	2.9
26	18.0	27.0	21.5	86.1	22.32	19.2	0.0	0.0	0.0	3.9
27	16.8	29.0	21.0	83.4	21.08	18.3	36.8	3.8	40.6	6.3
28	15.0	27.4	20.5	79.8	19.14	16.7	3.2	0.0	3.2	6.6
29	15.0	28.8	21.8	79.5	19.86	17.2	0.0	0.0	0.0	7.7
30	15.7	30.0	21.6	77.9	19.03	16.5	0.0	0.0	0.0	9.7
31	17.2	29.0	23.2	75.6	20.96	18.1	0.0	0.0	0.0	6.2
PROM.	17.0	28.0	21.8	80.3	20.63	17.9	123.2	196.2	319.4	167.5

M E S – JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	28.2	21.8	78.1	20.10	17.5	0.0	0.0	0.0	4.9
2	18.4	27.1	21.3	84.3	21.32	18.4	0.1	5.1	5.2	3.9
3	18.0	22.0	19.1	88.5	19.72	17.3	0.2	0.0	0.2	0.0
4	16.0	27.9	21.2	75.5	18.67	16.4	0.0	2.4	2.4	6.2
5	17.4	26.2	21.3	86.1	21.81	18.8	0.1	0.0	0.1	2.2
6	16.8	27.2	21.5	83.6	21.31	18.5	0.2	33.9	34.1	4.4
7	17.6	27.9	21.7	85.8	22.21	19.1	0.2	0.0	0.2	4.1
8	18.8	30.0	23.5	78.8	22.45	19.3	0.0	0.0	0.0	8.5
9	18.5	28.3	22.6	82.1	22.35	19.2	0.6	0.0	0.6	8.5
10	17.0	30.0	23.8	76.4	21.88	18.9	0.0	2.5	2.5	
11	18.0	29.2	22.5	84.7	22.93	19.6	9.5	6.0	15.5	3.9
12	17.8	28.2	22.7	76.8	20.31	17.7	0.0	7.0	7.0	6.9
13	18.0	27.0	21.6	83.5	21.08	18.3	0.6	0.1	0.7	2.8
14	16.5	30.0	22.0	74.2	18.83	16.4	0.0	0.4	0.4	7.0
15	17.0	30.2	22.3	83.5	22.53	19.4	15.3	1.1	16.4	9.6
16	18.0	29.0	23.2	77.5	21.82	18.8	0.0	0.0	0.0	9.1
17	17.8	28.0	22.4	77.4	20.64	17.9	0.0	0.0	0.0	2.3
18	18.5	27.9	22.0	78.5	20.91	18.2	4.9	46.7	51.6	6.0
19	17.0	28.0	22.4	80.6	21.41	18.6	0.0	0.0	0.0	6.6
20	19.0	26.0	21.5	86.1	22.29	19.2	0.0	0.0	0.0	3.3
21	16.0	28.0	21.4	81.6	20.43	17.7	1.4	8.9	10.3	7.1
22	18.5	27.8	21.6	83.6	21.62	18.7	0.0	9.9	9.9	3.7
23	18.0	24.5	19.4	86.3	19.57	17.1	1.4	0.0	1.4	2.2
24	16.0	25.2	20.9	82.5	20.42	17.8	2.0	0.2	2.2	3.2
25	17.0	24.8	19.3	87.5	19.92	17.4	2.3	0.0	2.3	3.2
26	18.0	28.5	21.9	82.3	21.30	18.5	0.0	15.8	15.8	8.2
27	17.0	27.5	22.3	78.1	20.70	18.1	0.2	42.2	42.4	6.3
28	17.2	28.0	21.0	83.1	20.33	17.7	4.4	0.0	4.4	4.9
29	17.0	29.8	23.1	73.5	20.11	17.5	0.0	0.0	0.0	9.7
30	17.5	27.5	21.9	81.2	21.16	18.3	0.0	5.1	5.1	5.6
PROM	17.5	27.7	21.8	81.4	21.00	18.2	43.4	187.3	230.7	

ESTACION: SANTAGUEDA - LUKER MUNICIPIO: PALESTINA AÑO: 1.989

ALTITUD: 1.020 LATITUD: 5-05 N. LONGITUD: 75-41 W.

M E S - JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.4	27.2	21.7	81.3	20.91	18.1	0.0	0.5	0.5	5.6
2	16.8	28.0	22.4	80.5	21.38	18.5	0.0	0.0	0.0	7.5
3	16.0	29.2	21.9	78.0	19.84	17.3	0.0	0.0	0.0	8.9
4	15.0	29.0	22.5	73.9	19.57	17.0	0.0	2.1	2.1	8.2
5	17.5	27.0	22.1	81.9	21.46	18.9	0.0	9.6	9.6	5.4
6	17.8	27.1	22.3	79.5	21.02	18.2	0.0	0.4	0.4	6.2
7	17.2	26.9	22.1	79.6	20.84	18.1	0.0	8.2	8.2	5.3
8	18.0	27.8	21.6	83.6	21.62	18.7	0.0	59.7	59.7	6.1
9	16.8	28.0	21.5	81.7	21.27	18.4	0.2	0.0	0.2	9.1
10	15.2	30.0	23.4	81.0	22.36	19.1	0.0	0.0	0.0	8.3
11	15.5	30.1	22.9	77.3	20.77	18.0	0.0	0.0	0.0	8.6
12	17.0	30.8	23.5	79.1	22.29	19.1	0.0	0.0	0.0	9.0
13	17.0	31.1	24.0	76.1	21.72	18.6	0.0	0.0	0.0	9.6
14	17.5	32.1	24.2	76.0	22.93	19.7	0.0	0.0	0.0	9.0
15	15.8	32.0	23.8	78.9	22.74	19.5	0.0	0.0	0.0	10.5
16	16.8	28.0	22.5	80.8	21.94	19.0	0.0	0.0	0.0	3.8
17	15.2	28.1	21.9	77.6	19.87	17.3	0.0	0.0	0.0	6.0
18	15.0	29.0	23.2	73.3	19.80	16.8	0.0	0.0	0.0	6.2
19	17.8	30.0	23.4	79.0	22.44	19.1	0.0	29.5	29.5	7.5
20	17.8	26.2	20.9	83.0	20.49	17.8	6.2	0.8	7.0	2.4
21	17.5	27.0	21.8	79.3	20.68	18.0	0.0	2.7	2.7	4.3
22	18.2	25.5	20.6	85.6	20.87	18.2	10.5	0.0	10.5	1.2
23	17.8	27.1	21.1	77.5	19.67	17.1	0.0	6.9	6.9	4.5
24	16.0	27.2	21.8	82.8	21.18	18.4	0.0	3.7	3.7	4.3
25	18.5	27.3	21.7	81.4	20.98	18.2	0.0	0.3	0.3	4.0
26	17.8	27.2	21.8	81.4	21.07	18.2	3.2	3.0	6.2	2.9
27	18.5	30.0	23.8	71.2	20.34	17.7	0.0	0.0	0.0	7.6
28	17.8	29.5	22.9	77.2	21.14	18.4	0.0	0.0	0.0	6.9
29	17.8	30.8	23.5	72.4	20.55	17.9	0.0	12.4	12.4	9.4
30	17.5	29.5	23.0	75.9	20.97	18.2	0.0	6.4	6.4	10.9
31	18.0	30.0	23.8	70.8	19.75	17.2	0.0	10.0	10.0	9.5
PROM.	17.0	28.7	22.5	78.6	21.05	18.2	20.1	156.2	176.3	208.7

M E S - AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	28.1	22.1	79.4	20.91	18.2	0.7	0.0	0.7	3.3
2	16.8	30.0	22.8	75.6	20.87	18.1	0.0	0.0	0.0	6.8
3	17.0	31.0	24.7	70.0	21.01	18.2	0.0	0.0	0.0	10.2
4	18.5	30.0	23.3	72.5	20.64	17.9	0.0	0.0	0.0	8.5
5	16.8	29.8	23.3	67.4	18.83	16.5	0.0	5.0	5.0	6.9
6	18.0	27.0	22.0	77.1	20.35	17.8	0.0	0.0	0.0	5.6
7	15.0	30.5	23.9	72.6	20.46	17.8	0.0	0.0	0.0	9.9
8	17.8	30.0	24.0	71.8	20.44	17.7	0.0	43.8	43.8	6.8
9	16.8	29.5	22.8	74.8	19.80	17.2	0.2	2.3	2.5	7.6
10	18.5	30.0	22.9	75.1	20.31	17.7	0.1	4.1	4.2	5.6
11	18.6	27.2	21.9	76.4	19.78	17.3	0.0	0.0	0.0	4.6
12	16.0	30.0	23.6	70.7	19.43	17.0	0.0	4.1	4.1	6.8
13	17.7	28.0	22.1	80.3	21.33	18.5	0.4	0.0	0.4	3.1
14	16.8	29.0	23.1	74.8	20.68	18.0	0.0	0.6	0.6	4.9
15	19.0	30.5	24.2	74.3	21.51	18.6	0.0	11.5	11.5	6.4
16	18.2	28.0	22.8	78.1	21.18	18.4	0.1	20.9	21.0	0.8
17	18.0	30.0	22.5	82.0	21.84	18.9	0.0	3.1	3.1	5.4
18	16.0	31.5	24.5	72.0	20.92	18.0	0.0	12.5	12.5	9.7
19	19.0	29.5	22.5	80.6	21.86	18.9	0.7	0.5	1.2	3.6
20	18.0	28.4	22.8	79.0	21.43	18.6	0.3	2.0	2.3	5.2
21	17.0	28.7	22.5	77.6	20.69	18.0	0.0	0.0	0.0	7.1
22	17.0	28.5	22.3	79.1	20.84	18.1	0.3	0.7	1.0	3.8
23	17.5	27.0	22.2	81.5	21.67	18.8	0.4	0.0	0.4	2.8
24	17.5	30.5	23.4	74.3	20.49	17.8	0.0	13.0	13.0	7.7
25	18.0	30.0	23.5	74.0	20.73	17.9	0.0	0.3	0.3	8.8
26	18.0	28.2	21.9	80.0	20.89	18.1	0.0	9.5	9.5	3.5
27	18.5	29.5	22.3	76.6	20.28	17.5	0.0	24.0	24.0	6.7
28	18.5	28.0	22.9	79.4	21.32	18.5	0.0	18.1	18.1	3.8
29	17.0	26.0	21.8	79.4	20.26	17.7	1.7	0.0	1.7	1.3
30	17.0	27.2	21.4	79.4	19.82	17.3	0.0	0.0	0.0	3.2
31	16.5	28.4	22.7	74.6	19.75	17.2	0.0	0.0	0.0	6.2
PROM	17.5	29.0	22.8	76.1	20.66	17.9	4.9	176.0	180.9	176.6

ESTACION: SANTAGUEDA - LUKER MUNICIPIO: PALESTINA AÑO: 1.989

ALTITUD: 1.020 LATITUD: 5-05 N. LONGITUD: 75-41 W.

M E S - SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	28.0	22.5	80.9	21.71	18.7	0.0	0.0	0.0	
2	16.5	30.0	23.1	72.4	19.41	16.8	0.0	26.7	26.7	1.0
3	16.5	30.5	23.6	70.9	19.61	17.0	0.0	0.0	0.0	6.9
4	18.0	28.0	23.0	81.8	22.54	19.3	0.1	1.2	1.3	3.4
5	18.5	27.2	21.8	81.4	21.35	18.5	2.4	11.7	14.1	3.0
6	18.0	27.0	22.4	80.2	21.08	18.2	0.0	0.0	0.0	3.5
7	19.0	28.4	22.2	83.5	22.35	19.2	4.6	1.5	6.1	4.8
8	17.5	28.5	23.1	70.5	19.00	16.6	0.0	0.5	0.5	5.5
9	18.0	26.5	21.6	81.6	20.96	18.2	0.4	9.6	10.0	3.1
10	17.2	27.0	21.7	81.1	20.76	18.1	0.2	14.2	14.4	3.1
11	15.4	26.8	21.4	82.0	20.45	17.8	0.0	0.6	0.6	3.8
12	16.0	27.5	21.6	71.6	17.68	15.4	0.0	11.1	11.1	5.7
13	17.6	28.0	21.6	78.3	19.69	17.2	0.0	0.0	0.0	8.0
14	17.0	26.5	20.7	81.4	19.47	17.0	6.2	2.0	8.2	4.0
15	15.0	29.4	22.4	77.3	20.20	17.5	0.0	0.0	0.0	9.8
16	16.5	28.6	22.2	79.5	21.05	18.3	0.0	4.6	4.6	8.0
17	17.0	29.2	22.2	74.9	19.55	17.0	0.0	0.0	0.0	7.2
18	18.0	28.0	22.0	74.2	18.97	16.4	0.0	0.4	0.4	3.8
19	16.5	28.2	22.2	78.1	20.40	17.8	0.0	0.6	0.6	5.8
20	18.0	25.2	21.9	80.1	20.80	18.1	0.0	13.5	13.5	1.5
21	18.2	28.0	21.7	76.6	19.62	17.0	0.0	0.0	0.0	5.1
22	17.0	24.0	20.4	85.5	20.27	17.6	0.5	0.3	0.8	0.1
23	16.0	29.8	22.0	76.0	19.58	17.2	0.0	0.3	0.3	8.0
24	18.0	29.2	22.5	80.9	21.86	18.9	0.0	50.7	50.7	8.8
25	17.0	30.0	21.1	80.3	19.64	17.1	6.8	0.0	6.8	7.7
26	17.0	26.2	21.0	81.6	20.17	17.6	0.4	0.8	1.2	2.0
27	18.0	27.0	21.1	79.8	19.99	17.5	0.0	0.9	0.9	3.0
28	18.0	21.6	18.2	93.8	20.06	17.5	2.3	0.0	2.3	0.0
29	16.0	28.0	21.1	79.6	19.59	17.2	0.1	0.0	0.1	6.5
30	16.2	29.0	22.2	80.2	20.86	18.1	0.0	0.0	0.0	7.6
PROM.	17.2	27.7	21.8	79.2	20.29	17.6	24.0	151.2	175.2	

M E S - OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.5	30.0	23.1	74.1	20.18	17.5	0.0	46.3	46.3	7.7
2	17.0	26.0	21.0	79.2	19.18	16.7	4.8	19.5	24.3	5.2
3	18.0	26.4	21.3	78.5	19.92	17.4	0.2	0.0	0.2	3.3
4	17.0	25.8	21.5	84.0	21.43	18.5	0.3	11.7	12.0	3.4
5	15.0	23.4	19.7	88.8	20.13	17.6	1.2	0.0	1.2	7.7
6	14.8	28.5	21.4	76.4	18.64	16.3	0.0	11.3	11.3	5.7
7	17.0	29.2	22.1	72.6	18.87	16.6	0.0	1.1	1.1	8.7
8	18.0	26.5	21.0	87.0	21.68	18.8	0.1	52.3	52.4	3.5
9	16.0	26.0	20.9	88.2	21.83	18.9	0.5	0.0	0.5	5.3
10	16.5	27.0	21.4	80.9	20.36	17.7	3.1	45.4	48.5	4.1
11	16.6	24.5	20.5	82.2	19.57	17.1	0.1	3.5	3.6	3.0
12	17.0	25.5	20.8	82.5	20.15	17.6	0.0	0.0	0.0	2.4
13	18.0	28.5	21.8	77.4	19.88	17.3	0.0	0.9	0.9	4.9
14	17.0	28.2	21.7	78.3	20.01	17.5	0.3	17.2	17.5	0.6
15	18.0	26.5	20.8	81.5	19.98	17.4	4.2	0.0	4.2	2.2
16	17.5	28.2	21.8	78.8	20.30	17.7	0.0	0.0	0.0	5.0
17	17.2	25.0	20.9	89.2	22.16	19.1	2.2	0.0	2.2	1.5
18	17.0	28.0	22.6	77.3	20.60	17.9	0.2	1.7	1.9	7.9
19	18.0	27.2	21.5	79.5	19.99	17.4	2.7	0.0	2.7	2.5
20	15.0	30.0	22.4	71.1	18.17	15.9	0.0	0.1	0.1	9.6
21	18.0	29.8	22.0	81.3	21.30	18.5	7.4	0.1	7.5	7.9
22	17.0	28.8	22.9	76.7	20.55	17.9	0.2	8.0	8.2	7.7
23	18.0	28.2	21.8	81.5	21.23	18.4	12.5	14.5	27.0	5.7
24	18.2	26.2	22.6	81.0	21.70	18.6	0.0	13.0	13.0	1.5
25	18.8	27.0	22.2	82.8	22.05	19.0	0.9	0.0	0.9	2.9
26	18.0	27.5	22.8	80.6	22.06	19.0	0.0	0.0	0.0	3.8
27	18.6	27.0	22.1	83.1	21.84	18.8	0.0	36.5	36.5	1.7
28	18.0	23.4	20.5	87.5	21.09	18.3	2.9	15.7	18.6	
29	16.6	27.0	21.6	77.5	19.40	16.9	0.6	0.0	0.6	4.7
30	17.0	29.2	22.8	76.5	20.96	18.2	0.0	1.5	1.5	5.2
31	17.8	29.4	23.2	78.4	21.50	18.6	0.0	0.0	0.0	7.1
PROM	17.2	27.2	21.7	80.5	20.54	17.8	44.4	300.3	344.7	

ESTACION: SANTAGUEDA - LUKER MUNICIPIO: PALESTINA AÑO: 1.969

ALTITUD: 1.020 LATITUD: 5-05 N. LONGITUD: 75-41 W.

M E S - NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	25.0	20.5	84.9	20.40	17.8	1.1	16.4	17.5	2.0
2	17.0	28.0	21.4	78.9	19.58	17.1	12.2	0.0	12.2	5.7
3	18.0	28.2	22.8	74.1	20.17	17.6	0.0	0.0	0.0	5.0
4	17.8	23.0	19.6	95.1	21.98	19.0	0.0	1.0	1.0	0.7
5	17.0	28.0	21.4	76.7	19.02	16.6	0.0	0.0	0.0	8.2
6	17.4	29.0	23.4	74.7	20.92	18.1	0.0	9.7	9.7	6.2
7	18.0	25.7	21.3	83.2	21.12	18.4	10.0	0.0	10.0	1.3
8	19.0	27.5	22.1	69.0	18.28	16.1	0.0	0.0	0.0	6.5
9	18.0	29.2	22.1	68.8	18.26	16.0	0.0	0.0	0.0	8.5
10	16.5	28.2	21.9	75.8	19.62	17.2	0.0	0.4	0.4	5.6
11	18.0	22.2	19.4	85.1	19.54	17.1	0.4	0.0	0.4	0.0
12	16.5	28.0	21.6	69.3	17.58	15.3	0.0	0.0	0.0	5.4
13	17.5	26.2	22.1	78.3	20.68	17.9	0.0	0.0	0.0	0.6
14	16.0	30.0	22.5	72.1	18.55	16.1	0.0	0.0	0.0	7.8
15	17.5	30.2	22.5	78.8	21.10	18.3	0.9	0.0	0.9	6.7
16	17.3	30.0	23.9	76.7	21.88	18.7	0.5	30.8	31.3	6.5
17	18.2	27.4	21.7	83.4	21.61	18.7	0.0	0.0	0.0	2.9
18	18.0	29.5	22.4	79.3	20.93	18.2	0.0	0.0	0.0	6.8
19	19.0	30.2	22.8	76.4	20.42	17.6	0.0	6.7	6.7	7.2
20	19.4	31.2	23.6	81.4	23.37	20.0	0.0	17.7	17.7	5.7
21	19.0	25.5	21.9	84.1	22.22	19.1	0.0	0.0	0.0	0.1
22	18.0	29.4	22.6	80.5	21.58	18.7	0.4	0.0	0.4	5.6
23	18.2	29.8	23.7	77.7	22.03	18.8	0.0	32.2	32.2	6.8
24	18.8	28.0	22.3	86.4	23.29	19.9	0.0	0.0	0.0	1.7
25	18.0	26.5	21.9	83.3	21.89	18.9	0.0	0.0	0.0	2.0
26	17.5	29.9	22.4	80.7	21.96	19.0	0.0	0.0	0.0	6.9
27	16.5	31.0	23.5	76.9	21.33	18.4	0.0	0.0	0.0	8.1
28	18.0	29.8	23.8	77.5	22.21	19.1	0.0	37.2	37.2	5.5
29	18.2	27.5	22.1	81.5	21.17	18.3	1.0	14.2	15.2	1.5
30	18.0	29.6	23.2	79.8	22.07	18.9	0.0	17.1	17.1	3.9
PROM.	17.8	28.1	22.2	79.0	20.83	18.0	26.5	183.4	209.9	141.4

M E S - DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.8	29.0	22.8	77.9	21.19	18.4	0.0	10.7	10.7	5.4
2	18.0	24.0	19.9	89.0	20.83	18.2	0.0	0.0	0.0	0.0
3	17.5	29.0	22.5	76.1	19.94	17.3	0.0	0.2	0.2	7.9
4	19.0	25.5	20.4	84.4	20.74	18.0	0.0	0.0	0.0	1.0
5	18.5	26.5	21.2	91.5	23.11	19.8	0.3	4.9	5.2	2.6
6	18.2	28.5	22.5	80.4	21.35	18.5	0.0	0.0	0.0	5.1
7	18.0	30.0	22.8	76.7	20.62	17.9	0.0	0.0	0.0	7.0
8	19.0	29.9	23.5	77.2	21.85	18.8	0.0	0.0	0.0	7.0
9	19.2	31.0	24.6	72.5	21.53	18.6	0.0	25.0	25.0	6.8
10	18.0	26.0	22.1	81.3	21.38	18.5	0.0	0.0	0.0	2.9
11	18.8	28.8	22.7	79.7	21.73	18.8	0.0	9.0	9.0	3.3
12	19.0	28.5	23.5	77.2	21.65	18.7	0.0	0.0	0.0	5.0
13	19.5	29.2	23.4	77.5	21.91	18.9	0.0	2.4	2.4	4.7
14	19.1	29.0	23.7	76.5	21.96	19.0	0.0	0.0	0.0	4.4
15	19.0	30.0	22.7	74.8	19.98	17.3	0.0	0.2	0.2	6.6
16	17.5	28.5	22.2	74.1	18.85	16.3	0.0	0.0	0.0	4.6
17	18.1	30.0	23.3	77.5	21.44	18.5	0.0	0.0	0.0	7.1
18	18.0	30.8	23.2	74.8	20.22	17.4	0.0	0.0	0.0	7.4
19	17.0	30.0	22.6	75.6	19.71	17.1	0.0	0.0	0.0	6.8
20	16.5	30.2	22.8	72.1	18.70	16.2	0.0	0.0	0.0	6.6
21	17.5	30.5	23.5	74.5	20.55	17.8	0.0	0.0	0.0	7.1
22	16.5	30.2	23.3	73.6	19.76	17.2	0.0	0.0	0.0	7.2
23	18.8	29.5	21.7	79.3	20.30	17.7	18.8	0.5	19.3	5.5
24	18.0	28.4	22.0	80.3	20.99	18.3	0.0	0.4	0.4	3.0
25	17.5	26.8	21.2	89.3	22.46	19.3	11.1	1.1	12.2	0.6
26	18.5	28.5	22.7	81.8	22.14	19.1	0.0	1.0	1.0	3.7
27	17.5	27.3	22.8	76.5	20.56	17.5	0.0	0.0	0.0	4.3
28	18.8	25.0	21.8	87.2	22.67	19.5	2.6	0.0	2.6	0.6
29	18.5	29.0	22.5	77.9	20.83	18.1	0.0	0.0	0.0	6.7
30	17.5	30.0	21.9	76.3	19.47	17.0	0.0	0.0	0.0	7.3
31	16.0	29.0	21.3	74.0	17.83	15.6	0.0	0.0	0.0	8.2
PROM	18.1	28.7	22.5	78.6	20.85	18.1	32.8	55.4	88.2	156.4

ESTACION: SANTAGUEDA – LUKER MUNICIPIO: PALESTINA AÑO: 1.989

ALTITUD: 1.020 LATITUD: 5-05 N. LONGITUD: 75-41 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	18.1	28.0	22.5	16.8	30.0	78.4	20.84	18.1	277.1	23	149.0
FEBRERO	17.1	27.9	22.1	13.0	30.0	77.4	19.98	17.4	69.6	17	156.0
MARZO	17.0	28.0	21.9	14.0	31.4	77.4	19.68	17.1	179.7	17	173.0
ABRIL	17.8	29.1	23.0	15.0	32.0	77.7	21.16	18.3	159.4	15	173.3
MAYO	17.0	28.0	21.8	14.5	31.0	80.3	20.63	17.9	319.4	18	167.5
JUNIO	17.5	27.7	21.8	16.0	30.2	81.4	21.00	18.2	230.7	23	
JULIO	17.0	28.7	22.5	15.0	32.1	78.6	21.05	18.2	176.3	18	208.7
AGOSTO	17.5	29.0	22.8	15.0	31.5	76.1	20.66	17.9	160.9	22	176.6
SEPTIEMBRE	17.2	27.7	21.8	15.0	30.5	79.2	20.29	17.6	175.2	22	
OCTUBRE	17.2	27.2	21.7	14.8	30.0	80.5	20.54	17.8	344.7	27	
NOVIEMBRE	17.8	28.1	22.2	16.0	31.2	79.0	20.83	18.0	209.9	16	141.4
DICIEMBRE	18.1	28.7	22.5	16.0	31.0	78.6	20.85	18.1	88.2	12	156.4
PROMEDIO	17.4	28.2	22.2	15.1	30.9	78.7	20.62	17.9			
TOTAL									2411.1	230	

ESTACION: CENICAFE MUNICIPIO: CHINCHINA AÑO: 1.989

ALTITUD: 1.310 LATITUD: 5-00 N. LONGITUD: 75-36 b.

M E S – ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	25.4	19.3	81.7	18.56	16.3	4.2	2.0	6.2	3.3
2	16.4	24.0	19.8	85.9	19.61	17.2	0.0	0.0	0.0	1.2
3	16.5	25.9	20.8	78.8	19.22	16.8	0.0	19.0	19.0	4.4
4	17.0	26.4	19.7	85.8	19.94	17.4	10.8	18.0	28.8	4.2
5	16.4	25.5	19.3	85.8	19.10	16.8	0.0	0.0	0.0	2.4
6	16.3	27.2	20.8	77.5	18.68	16.4	0.0	3.3	3.3	6.4
7	17.5	27.0	20.9	77.5	19.04	16.7	0.0	4.4	4.4	6.5
8	16.6	26.9	20.4	78.5	18.48	16.3	0.0	0.1	0.1	6.9
9	16.7	27.0	20.9	75.3	18.30	16.1	0.0	0.0	0.0	8.1
10	17.0	24.5	19.7	83.7	19.31	16.9	0.1	0.2	0.3	2.1
11	16.0	25.8	19.0	80.5	17.71	15.6	30.4	0.0	30.4	3.3
12	16.1	27.2	20.3	79.4	18.56	16.3	0.2	3.1	3.3	6.7
13	17.0	25.2	20.0	85.3	19.82	17.4	0.6	0.6	1.2	1.9
14	16.8	27.6	21.2	77.7	19.20	16.8	0.0	1.2	1.2	5.4
15	17.4	27.9	21.3	75.6	19.04	16.7	0.5	0.0	0.5	5.2
16	16.4	27.5	21.8	73.9	18.93	16.6	0.0	19.7	19.7	6.1
17	17.4	27.4	21.3	81.2	20.22	17.7	0.0	4.6	4.6	6.4
18	17.5	28.2	21.5	79.7	20.12	17.6	0.0	6.0	6.0	6.8
19	17.1	26.9	21.1	80.2	19.99	17.5	0.2	0.0	0.2	4.7
20	18.0	25.8	21.0	76.8	19.19	16.9	0.0	0.0	0.0	2.8
21	16.5	26.6	20.9	76.6	18.62	16.4	0.0	0.0	0.0	3.8
22	16.4	27.3	20.7	80.3	19.34	16.9	0.0	0.0	0.0	5.2
23	18.0	28.4	22.5	76.1	20.35	17.8	0.0	0.0	0.0	5.6
24	17.8	27.5	21.8	80.1	20.83	18.1	0.0	0.4	0.4	4.7
25	17.3	26.5	20.5	83.4	20.15	17.6	11.6	0.0	11.6	2.3
26	17.0	26.6	22.0	78.7	20.50	17.8	0.0	49.5	49.5	4.2
27	17.2	23.0	20.3	87.3	20.52	17.9	13.0	12.0	25.0	0.3
28	17.5	23.2	18.7	93.7	20.43	17.6	2.1	0.0	2.1	0.5
29	17.3	27.4	21.4	78.8	19.63	17.2	0.0	4.1	4.1	6.4
30	17.4	25.2	20.0	88.3	20.33	17.7	0.2	1.4	1.6	1.6
31	17.6	25.4	19.4	87.2	19.99	17.5	6.5	0.0	6.5	2.5
PROM.	17.0	26.3	20.6	81.0	19.47	17.1	80.4	149.6	230.0	131.9

M E S – FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	23.5	18.7	90.9	19.43	17.1	1.4	0.0	1.4	1.4
2	16.9	27.0	20.4	79.4	19.02	16.7	1.3	1.4	2.7	5.4
3	16.4	26.0	19.9	80.1	18.46	16.2	1.5	20.3	21.8	2.1
4	16.3	23.2	18.7	85.5	18.50	16.3	0.8	0.0	0.8	0.9
5	16.0	26.3	20.8	77.0	18.50	16.2	0.0	0.0	0.0	4.1
6	16.5	28.4	21.5	72.6	18.32	16.0	0.0	0.1	0.1	7.3
7	17.1	26.0	21.4	78.9	19.75	17.3	0.0	0.0	0.0	3.7
8	17.0	27.0	21.2	76.1	19.06	16.7	0.0	0.0	0.0	4.9
9	17.5	26.3	21.1	79.3	19.59	17.2	0.1	12.0	12.1	2.0
10	17.0	25.3	19.5	85.4	19.57	17.1	23.1	0.4	23.5	3.4
11	17.1	25.0	19.3	84.5	18.88	16.6	5.9	1.4	7.3	0.5
12	16.4	27.5	21.0	77.8	18.86	16.6	0.0	7.5	7.5	7.3
13	17.2	24.8	20.2	83.2	19.51	17.1	1.8	0.0	1.8	1.7
14	16.0	29.0	21.2	72.9	18.01	15.8	0.0	0.0	0.0	8.0
15	17.2	28.6	21.7	72.0	18.02	15.8	0.0	20.2	20.2	8.3
16	16.0	28.2	21.1	71.4	17.50	15.4	0.0	0.0	0.0	9.1
17	17.4	23.7	19.9	84.1	19.43	17.0	0.0	0.0	0.0	2.5
18	14.3	28.4	20.8	69.7	16.46	14.4	0.0	0.0	0.0	8.8
19	16.3	28.5	21.7	71.3	17.73	15.6	0.0	0.1	0.1	7.3
20	17.2	27.3	21.8	75.0	19.20	16.8	0.0	0.0	0.0	4.3
21	18.5	27.2	20.8	81.4	20.22	17.7	2.1	0.0	2.1	2.3
22	17.4	25.2	19.9	88.0	20.65	18.0	1.2	0.0	1.2	2.1
23	17.2	25.0	19.5	82.1	18.91	16.6	19.4	0.0	19.4	2.5
24	14.4	28.3	21.6	69.9	17.17	15.0	0.0	0.0	0.0	6.3
25	16.8	29.4	21.4	75.8	18.81	16.5	0.0	3.6	3.6	6.3
26	17.8	25.0	21.1	80.9	19.96	17.5	4.9	0.0	4.9	2.4
27	17.2	28.4	22.2	71.8	18.64	16.3	0.0	0.0	0.0	5.7
28	17.8	29.3	22.9	73.2	20.00	17.5	0.0	0.0	0.0	6.0
PROM	16.8	26.7	20.8	78.2	18.86	16.5	63.5	67.0	130.5	126.6

ESTACION: CENICAFE MUNICIPIO: CHINCHINA AÑO: 1.989

ALTITUD: 1.310 LATITUD: 5-00 N. LONGITUD: 75-36 W.

M E S - MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.3	31.0	23.0	71.0	19.38	17.0	0.0	0.0	0.0	9.8
2	18.6	29.5	23.0	73.5	20.28	17.7	0.0	0.0	0.0	7.8
3	17.4	28.0	22.3	78.7	20.93	18.2	0.0	13.0	13.0	4.3
4	17.5	27.8	21.6	76.6	19.20	16.8	0.0	0.2	0.2	3.9
5	17.6	21.8	19.3	87.7	19.59	17.1	3.3	0.0	3.3	0.0
6	15.7	28.8	21.4	74.1	18.54	16.3	0.0	15.5	15.5	8.3
7	16.4	26.0	19.8	80.9	18.54	16.3	16.3	0.0	16.3	3.5
8	17.2	25.6	21.4	76.7	19.19	16.9	8.0	0.0	8.0	2.6
9	17.5	28.2	21.6	77.9	19.81	17.4	0.0	0.0	0.0	4.0
10	16.4	30.2	23.0	70.3	18.83	16.5	0.0	1.9	1.9	8.2
11	17.8	27.8	20.6	79.8	19.57	17.2	16.2	3.1	19.3	3.8
12	17.4	27.3	20.6	85.4	20.56	18.0	10.6	24.4	35.0	2.3
13	17.5	26.4	20.2	83.1	19.67	17.2	1.9	13.0	14.9	1.2
14	17.0	23.2	18.7	89.7	19.66	17.2	2.6	1.8	4.4	0.1
15	16.8	26.3	20.5	79.7	18.87	16.6	0.0	22.5	22.5	1.8
16	15.4	24.6	19.7	85.7	19.33	17.0	0.0	8.7	8.7	0.5
17	16.8	27.6	21.4	76.2	18.84	16.5	0.1	0.0	0.1	5.6
18	16.5	27.4	20.3	72.1	17.14	15.1	0.0	0.0	0.0	5.8
19	16.2	25.4	20.3	76.2	17.91	15.8	0.0	0.1	0.1	5.6
20	16.8	24.8	19.3	85.6	19.11	16.8	1.3	0.0	1.3	1.3
21	17.2	28.1	22.0	73.2	18.98	16.7	0.0	0.0	0.0	8.1
22	16.7	26.3	20.2	77.6	18.38	16.2	0.0	0.1	0.1	3.7
23	16.0	28.4	20.1	74.3	17.32	15.2	2.2	24.1	26.3	7.0
24	15.8	26.8	20.6	76.9	17.89	15.7	2.0	0.0	2.0	7.4
25	15.7	28.6	21.0	69.0	16.63	14.6	0.0	0.0	0.0	7.8
26	17.4	22.5	18.1	93.2	19.27	16.9	4.1	21.1	25.2	1.4
27	16.0	26.4	19.6	83.4	18.85	16.6	3.6	17.8	21.4	4.9
28	16.1	21.4	18.3	90.7	18.99	16.7	7.0	0.1	7.1	1.7
29	15.4	28.0	20.4	74.2	17.57	15.4	0.0	0.0	0.0	8.1
30	15.0	28.5	20.8	69.7	16.87	14.8	0.0	0.0	0.0	9.3
31	16.0	26.0	20.8	76.2	18.54	16.2	3.7	0.0	3.7	5.3
PROM.	16.7	26.7	20.6	78.7	18.85	16.5	82.9	167.4	250.3	145.1

M E S - ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.8	26.9	20.8	75.3	18.36	16.1	0.0	0.3	0.3	4.8
2	17.4	26.2	21.3	80.2	20.30	17.7	0.0	0.0	0.0	3.6
3	17.3	25.5	20.2	84.5	20.02	17.5	4.8	0.0	4.8	2.1
4	16.2	28.5	22.1	72.3	18.84	16.5	0.0	44.0	44.0	6.9
5	16.4	25.8	20.8	84.5	20.71	18.1	0.0	0.0	0.0	2.6
6	16.3	28.5	21.9	73.1	18.75	16.4	0.0	0.5	0.5	5.8
7	16.0	29.0	22.9	73.0	19.56	17.1	0.0	0.0	0.0	6.6
8	17.4	30.0	22.6	73.2	19.74	17.3	0.0	2.0	2.0	6.3
9	17.5	25.0	20.9	86.0	21.27	18.5	0.0	0.0	0.0	0.6
10	17.4	27.6	21.0	77.3	19.27	16.9	5.9	0.0	5.9	3.0
11	15.9	28.5	22.0	73.8	19.25	16.9	0.0	0.0	0.0	7.4
12	18.4	26.2	21.6	79.7	20.48	17.9	0.0	0.0	0.0	0.0
13	18.0	29.0	22.6	75.3	20.18	17.6	0.0	0.0	0.0	4.8
14	18.6	26.8	20.7	81.8	20.43	17.8	0.8	0.0	0.8	0.0
15	17.5	26.4	20.2	84.0	20.09	17.5	13.1	0.0	13.1	3.3
16	17.6	29.5	21.4	75.0	19.05	16.7	1.9	46.6	48.5	7.0
17	16.0	30.7	22.2	73.2	19.26	16.9	0.0	0.0	0.0	10.1
18	18.6	28.5	22.6	72.6	19.64	17.2	0.0	0.0	0.0	5.9
19	17.8	29.0	21.3	77.6	19.86	17.4	12.0	0.2	12.2	6.8
20	17.7	27.2	20.6	79.8	19.49	17.1	0.0	0.0	0.0	4.1
21	18.4	28.8	23.0	72.7	19.97	17.5	0.0	0.0	0.0	5.7
22	18.8	28.7	23.4	75.8	21.24	18.4	0.0	16.0	16.0	7.9
23	18.6	28.0	22.9	74.8	20.41	17.8	0.9	67.6	68.5	4.7
24	16.5	24.9	20.6	83.8	20.12	17.6	1.0	0.0	1.0	2.6
25	17.0	29.6	22.2	73.1	19.29	16.9	0.0	0.0	0.0	7.3
26	18.3	26.8	20.3	84.9	19.84	17.4	13.8	0.1	13.9	3.0
27	17.2	27.0	22.3	78.2	20.61	18.0	0.0	46.9	46.9	5.8
28	17.0	27.6	22.3	75.6	19.98	17.5	0.0	3.0	3.0	7.6
29	18.3	25.7	21.1	81.7	20.41	17.8	6.7	1.1	7.8	2.9
30	17.5	26.4	21.7	80.7	20.62	18.0	0.0	0.0	0.0	2.9
PROM	17.4	27.6	21.7	77.8	19.90	17.4	60.9	228.3	289.2	142.1

ESTACION: CENICAFE MUNICIPIO: CHINCHINA AÑO: 1.989

ALTITUD: 1.310 LATITUD: 5-00 N. LONGITUD: 75-36 W.

M E S - MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	24.7	18.9	91.7	20.34	17.8	15.8	32.1	47.9	0.8
2	16.8	24.4	19.5	81.5	18.57	16.3	3.6	1.0	4.6	3.1
3	17.0	25.9	20.9	79.5	19.44	17.0	0.0	0.2	0.2	4.8
4	16.4	28.8	21.0	73.2	18.07	15.9	10.4	0.0	10.4	4.8
5	16.2	26.8	20.8	78.2	19.32	16.9	8.3	1.1	9.4	5.5
6	17.0	25.2	20.7	85.9	20.69	18.0	0.0	0.0	0.0	2.8
7	17.2	25.1	19.1	90.3	19.95	17.4	20.4	101.9	122.3	1.5
8	16.4	24.4	18.1	92.5	19.44	17.0	10.5	3.8	14.3	2.8
9	16.5	26.2	20.9	79.4	19.14	16.8	0.1	2.9	3.0	2.7
10	16.6	23.3	19.0	86.5	19.26	16.9	10.8	0.1	10.9	0.1
11	14.2	27.4	20.7	78.8	18.96	16.5	0.0	6.7	6.7	7.4
12	16.0	26.5	21.0	78.5	19.00	16.7	0.5	14.0	14.5	5.0
13	17.2	25.2	20.7	82.3	19.81	17.3	2.1	0.1	2.2	3.7
14	16.0	26.4	20.8	78.8	19.15	16.8	0.5	0.0	0.5	3.9
15	16.2	28.6	21.1	78.2	19.27	16.9	0.0	0.1	0.1	6.4
16	17.0	29.9	23.0	71.7	19.45	17.0	0.0	0.0	0.0	9.2
17	17.7	28.4	22.5	69.5	18.59	16.3	0.0	0.0	0.0	7.1
18	18.0	27.6	21.9	79.5	20.75	18.1	0.0	2.0	2.0	3.9
19	18.1	27.3	21.4	80.4	20.44	17.8	4.1	0.0	4.1	4.7
20	17.4	30.3	22.9	72.3	19.68	17.2	0.0	0.0	0.0	7.5
21	17.3	28.5	22.6	72.6	19.48	17.1	0.0	0.0	0.0	6.6
22	18.3	28.8	23.7	71.7	20.54	17.9	0.0	9.5	9.5	6.3
23	18.0	25.2	20.4	88.1	21.25	18.5	8.3	0.6	8.9	1.5
24	18.1	26.0	20.6	85.7	20.77	18.1	9.6	20.2	29.8	2.8
25	16.4	23.5	19.9	90.0	20.70	18.0	10.6	2.7	13.3	1.9
26	17.5	26.3	21.7	85.4	22.07	19.1	0.7	0.0	0.7	4.6
27	16.8	27.5	20.0	82.3	19.42	17.0	1.7	3.9	5.6	4.6
28	15.4	25.0	19.4	79.8	18.06	15.9	14.4	0.0	14.4	3.7
29	15.5	26.3	20.9	75.8	18.32	16.0	0.1	0.0	0.1	4.8
30	16.0	28.5	22.2	73.9	19.27	16.8	0.0	0.0	0.0	9.5
31	17.5	28.2	22.2	80.2	21.09	18.3	0.0	7.7	7.7	6.1
PROM.	16.9	26.7	20.9	80.5	19.69	17.2	132.5	210.6	343.1	140.1

M E S - JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.3	27.8	22.4	75.6	19.79	17.2	0.0	0.0	0.0	4.8
2	17.5	25.6	19.9	86.2	20.32	17.7	0.6	0.0	0.6	2.2
3	17.6	22.2	19.3	90.7	20.37	17.8	0.5	0.0	0.5	0.0
4	16.2	26.7	21.2	77.8	19.20	16.8	0.0	0.7	0.7	5.7
5	17.6	25.0	20.3	85.6	20.37	17.8	0.2	0.0	0.2	2.7
6	17.0	26.5	20.6	81.4	19.69	17.2	0.4	1.0	1.4	4.9
7	16.6	27.2	20.7	81.3	19.58	17.2	0.1	0.0	0.1	5.2
8	18.0	28.0	22.7	73.8	20.07	17.5	0.0	0.6	0.6	5.8
9	18.6	27.2	20.7	86.4	21.30	18.5	2.0	0.1	2.1	3.3
10	18.4	28.0	21.4	77.6	19.99	17.5	0.0	0.7	0.7	5.8
11	18.2	27.7	20.8	82.7	20.62	18.0	17.2	18.4	35.6	4.0
12	17.2	27.5	21.7	81.5	20.85	18.1	0.1	20.5	20.6	6.6
13	16.5	26.3	20.6	85.8	20.61	17.9	0.3	0.0	0.3	1.8
14	16.0	27.5	20.6	75.9	17.98	15.8	0.4	0.0	0.4	4.6
15	16.6	29.5	21.2	76.0	19.28	16.9	0.0	0.2	0.2	8.4
16	17.4	28.4	21.9	72.8	18.80	16.5	0.0	0.0	0.0	8.4
17	18.0	27.3	21.8	78.0	19.97	17.4	2.0	0.0	2.0	3.8
18	17.6	27.0	20.7	82.1	20.26	17.7	0.6	1.8	2.4	5.8
19	17.3	26.7	21.1	83.9	20.73	18.0	0.2	0.0	0.2	4.1
20	18.0	25.0	20.6	84.7	20.65	18.0	0.0	0.0	0.0	2.9
21	15.4	27.0	21.3	77.4	19.22	16.8	0.0	8.4	8.4	6.9
22	17.8	26.3	20.9	82.7	20.31	17.8	0.0	27.8	27.8	3.5
23	17.3	23.6	18.6	92.2	19.79	17.3	5.7	0.5	6.2	0.7
24	16.4	24.3	19.4	86.0	19.10	16.8	0.7	0.4	1.1	3.8
25	16.6	24.2	18.9	89.8	19.47	17.1	6.1	0.0	6.1	2.4
26	17.0	27.5	21.3	79.1	19.83	17.3	0.2	4.1	4.3	7.9
27	17.4	26.3	21.1	77.6	19.01	16.7	0.0	0.1	0.1	6.2
28	17.0	27.1	20.9	80.7	19.70	17.3	7.4	0.0	7.4	7.9
29	16.6	28.5	22.3	74.5	19.59	17.1	0.0	0.0	0.0	9.1
30	18.0	26.6	21.3	76.0	19.09	16.8	0.0	14.5	14.5	5.1
PROM	17.2	26.6	20.9	81.2	19.85	17.4	44.7	99.8	144.5	144.3

ESTACION: CENICAFE MUNICIPIO: CHINCHINA AÑO: 1.989

ALTITUD: 1.310 LATITUD: 5-00 N. LONGITUD: 75-36 W.

M E S – JULIO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.7	26.4	20.4	79.5	18.76	16.5	0.0	0.0	0.0	5.9
2	16.5	27.0	21.0	79.6	19.48	17.1	0.7	0.0	0.7	6.5
3	16.4	28.5	21.6	71.6	17.81	15.7	0.0	0.0	0.0	9.1
4	16.1	27.2	21.1	74.8	18.48	16.2	0.0	0.0	0.0	6.6
5	17.3	26.0	20.8	80.5	19.75	17.3	0.1	2.7	2.8	5.2
6	17.4	26.6	21.8	78.3	19.84	17.4	0.0	0.2	0.2	4.9
7	17.5	25.5	20.8	80.2	19.54	17.1	0.3	12.0	12.3	2.5
8	17.4	26.6	20.6	79.4	19.13	16.8	0.0	0.0	0.0	4.9
9	17.2	25.5	20.1	78.1	18.22	16.0	0.3	0.0	0.3	5.1
10	15.9	26.8	20.7	73.7	17.80	15.6	0.0	0.0	0.0	5.7
11	15.2	28.0	20.8	74.1	17.78	15.6	0.0	0.0	0.0	7.1
12	16.8	29.6	22.0	70.4	18.15	16.0	0.0	0.0	0.0	9.9
13	17.3	29.7	22.6	68.5	18.19	16.0	0.0	0.0	0.0	9.1
14	17.2	28.3	22.8	69.0	18.44	16.2	0.0	0.0	0.0	7.6
15	17.2	30.7	23.5	64.0	17.38	15.3	0.0	0.0	0.0	10.0
16	17.4	27.5	22.3	71.8	19.15	16.8	0.0	0.0	0.0	3.6
17	16.0	28.3	21.4	75.3	18.53	16.3	0.0	0.0	0.0	5.6
18	16.2	28.6	22.0	71.9	18.26	16.0	0.0	0.0	0.0	6.2
19	18.0	28.7	20.5	82.2	20.21	17.7	7.6	14.8	22.4	4.7
20	17.0	25.6	19.3	88.0	19.83	17.4	18.0	0.0	18.0	2.5
21	16.9	25.2	20.8	80.5	19.47	17.0	0.1	0.1	0.2	1.8
22	17.7	25.5	21.0	84.4	20.66	18.0	2.3	0.2	2.5	2.1
23	17.4	25.4	19.9	81.2	19.08	16.8	0.7	0.1	0.8	3.0
24	16.2	25.9	20.5	81.9	19.44	17.0	0.2	3.1	3.3	3.7
25	17.0	26.9	19.6	79.6	18.20	16.0	0.4	12.4	12.8	3.6
26	16.7	25.0	19.6	82.6	18.77	16.5	1.8	0.1	1.9	3.7
27	17.5	28.0	22.0	74.5	19.46	17.0	0.0	0.0	0.0	6.7
28	18.0	27.8	21.7	76.2	19.60	17.2	0.0	0.0	0.0	6.3
29	17.4	29.0	22.7	68.9	18.44	16.1	0.0	11.7	11.7	7.8
30	16.6	28.8	22.0	73.0	18.51	16.2	0.0	25.3	25.3	9.8
31	17.4	29.6	22.5	75.5	20.24	17.7	0.0	0.8	0.8	7.8
PROM.	17.0	27.4	21.2	76.4	18.92	16.6	32.5	83.5	116.0	179.0

M E S – AGOSTO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.7	27.0	21.1	78.8	19.57	17.2	0.9	0.0	0.9	4.5
2	17.0	28.3	22.3	72.5	19.30	16.9	0.0	1.6	1.6	6.7
3	17.4	29.6	22.8	69.6	18.60	16.3	0.0	0.3	0.3	9.4
4	17.0	28.3	22.5	72.3	18.77	16.5	0.0	0.0	0.0	8.0
5	16.7	28.5	22.9	69.3	18.61	16.3	0.0	3.2	3.2	6.2
6	17.0	25.4	19.2	82.0	18.50	16.3	0.0	0.0	0.0	5.4
7	14.5	29.0	21.8	68.0	18.71	14.6	0.0	13.8	13.8	8.9
8	16.4	29.5	21.8	76.2	19.41	17.0	1.9	7.6	9.5	5.5
9	16.0	27.8	21.2	76.6	18.74	16.5	0.0	0.2	0.2	6.0
10	17.5	28.4	21.4	78.6	19.14	16.8	0.0	1.6	1.6	6.2
11	17.0	27.2	20.5	80.5	19.22	16.9	0.4	0.0	0.4	5.6
12	16.4	28.2	21.1	69.9	17.76	15.6	0.0	0.0	0.0	5.4
13	17.2	24.9	19.8	86.5	19.96	17.5	0.9	0.0	0.9	2.4
14	17.0	27.5	21.5	74.9	19.04	16.7	0.0	0.1	0.1	4.2
15	18.0	28.0	22.4	75.5	20.14	17.6	0.0	69.1	69.1	4.3
16	16.4	26.2	21.0	81.7	19.97	17.5	0.0	0.0	0.0	0.6
17	17.3	28.3	22.2	72.8	18.99	16.7	0.0	0.0	0.0	5.4
18	17.2	29.7	23.8	70.3	19.93	17.5	0.0	0.2	0.2	7.8
19	18.5	27.5	22.6	77.1	20.74	18.1	0.1	5.7	5.8	4.8
20	17.8	25.5	20.5	86.0	20.65	18.0	3.9	2.4	6.3	6.0
21	16.0	26.5	21.4	75.5	18.92	16.6	0.8	1.9	2.7	6.0
22	16.5	26.4	21.3	75.8	18.64	16.4	0.0	0.0	0.0	2.6
23	17.2	25.4	20.3	82.5	19.83	17.3	6.2	2.1	8.3	2.3
24	16.5	27.6	21.8	75.8	19.31	16.9	0.0	0.0	0.0	5.2
25	17.6	28.6	22.5	71.9	19.06	16.7	0.0	82.0	82.0	5.3
26	16.5	26.2	20.7	78.9	19.11	16.8	0.5	0.1	0.6	6.1
27	18.0	28.0	22.4	76.3	20.42	17.8	0.0	0.0	0.0	6.3
28	17.9	25.5	21.3	80.6	20.40	17.8	0.2	35.1	35.3	1.8
29	16.5	24.5	20.1	88.5	20.50	17.9	3.5	6.1	9.6	1.4
30	16.8	25.2	20.6	81.3	19.25	16.8	0.1	0.0	0.1	2.4
31	16.9	26.8	21.2	79.5	19.99	17.5	0.1	0.2	0.3	5.0
PROM	17.0	27.3	21.5	76.5	19.33	16.9	19.5	233.3	252.8	157.7

ESTACION: CENICAFE MUNICIPIO: CHINCHINA AÑO: 1.989

ALTITUD: 1.310 LATITUD: 5-00 N. LONGITUD: 75-36 W.

M E S - SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.8	28.2	21.7	75.0	19.15	16.8	0.0	0.0	0.0	4.6
2	17.8	28.6	21.9	71.0	18.30	16.1	0.1	0.0	0.1	4.1
3	17.0	29.2	22.3	67.9	18.02	15.8	0.0	3.2	3.2	5.1
4	16.9	27.0	22.0	77.9	19.90	17.4	0.0	3.2	3.2	3.1
5	17.4	24.1	20.1	86.0	20.18	17.6	2.5	1.5	4.0	0.9
6	17.0	24.2	20.7	84.3	20.39	17.8	0.8	0.5	1.3	1.4
7	18.0	27.5	20.3	82.7	20.02	17.5	1.9	0.0	1.9	3.8
8	17.3	27.2	21.7	74.6	19.04	16.7	0.0	12.3	12.3	4.2
9	17.6	25.2	20.4	82.3	19.83	17.4	4.8	0.1	4.9	2.7
10	17.5	27.2	20.9	77.2	18.99	16.7	0.0	0.2	0.2	3.3
11	16.3	25.7	19.8	90.2	20.62	18.0	1.9	0.7	2.6	3.5
12	17.3	26.8	21.5	77.5	19.63	17.2	0.0	30.4	30.4	3.5
13	16.4	26.6	21.2	78.5	19.41	17.0	0.0	6.1	6.1	6.5
14	16.5	26.0	20.8	82.5	19.93	17.4	0.8	0.0	0.8	4.4
15	15.5	29.6	21.7	71.8	18.15	16.0	0.0	0.0	0.0	9.3
16	17.0	27.6	21.0	78.7	19.59	17.1	0.9	0.0	0.9	5.5
17	17.5	27.8	22.2	79.5	21.16	18.3	0.0	23.1	23.1	6.4
18	17.4	25.7	20.6	82.5	19.87	17.4	0.0	0.0	0.0	3.7
19	15.8	26.0	20.4	80.0	19.08	16.7	2.9	0.5	3.4	3.9
20	17.0	24.5	20.1	86.6	20.31	17.7	0.5	0.1	0.6	0.7
21	17.3	26.5	20.9	77.6	19.18	16.8	1.3	23.9	25.2	3.5
22	16.6	22.3	19.4	88.5	19.73	17.3	3.1	0.0	3.1	0.3
23	15.5	27.5	21.1	77.5	19.06	16.7	0.0	0.5	0.5	6.2
24	17.5	28.6	22.2	75.7	19.98	17.5	0.0	0.0	0.0	8.0
25	18.0	28.9	21.6	79.5	20.13	17.6	0.0	24.8	24.8	6.3
26	16.8	24.0	20.1	84.2	19.64	17.2	0.1	0.5	0.6	1.9
27	16.6	25.0	19.9	82.1	19.01	16.7	0.1	0.4	0.5	1.2
28	17.0	19.8	17.8	95.8	19.65	17.3	23.4	1.2	24.6	0.0
29	15.7	25.7	20.1	85.3	19.79	17.3	0.0	0.0	0.0	3.6
30	16.0	27.6	21.2	75.4	18.90	16.5	0.0	0.0	0.0	6.3
PROM.	16.9	26.4	20.9	80.3	19.55	17.1	45.1	133.2	178.3	117.9

M E S - OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.5	28.5	21.2	77.1	19.21	16.8	0.1	17.1	17.2	7.5
2	16.4	25.9	20.4	81.8	19.30	16.9	0.2	2.5	2.7	2.4
3	17.5	26.6	21.0	80.5	19.77	17.3	0.0	0.1	0.1	4.2
4	16.5	26.2	20.2	84.5	19.97	17.5	0.2	2.7	2.9	3.8
5	15.4	23.6	18.6	92.9	19.78	17.3	2.6	0.1	2.7	3.5
6	15.5	28.6	21.0	75.5	18.63	16.3	0.0	4.5	4.5	7.9
7	17.2	29.0	22.2	73.2	19.23	16.9	0.0	0.4	0.4	8.1
8	17.5	24.5	19.2	87.4	19.67	17.3	0.7	6.7	7.4	1.6
9	15.9	26.2	20.2	79.6	18.75	16.5	0.1	0.0	0.1	3.0
10	15.6	26.6	20.6	78.7	19.27	16.8	0.3	32.6	32.9	4.0
11	16.3	22.2	18.9	88.7	19.21	16.9	0.0	4.8	4.8	0.2
12	15.8	24.2	19.8	83.0	19.12	16.8	0.0	2.1	2.1	0.4
13	17.3	27.3	20.6	78.9	19.20	16.9	2.2	54.3	56.5	4.2
14	16.5	27.1	20.5	81.5	19.58	17.2	6.2	0.0	6.2	3.4
15	16.8	23.8	20.3	79.0	19.05	16.7	1.3	0.0	1.3	2.0
16	15.9	26.0	20.0	76.9	18.00	15.8	0.2	0.0	0.2	3.8
17	17.3	24.5	19.9	86.6	20.41	17.8	0.6	0.3	0.9	0.6
18	16.5	27.6	21.1	75.8	18.82	16.5	0.0	3.2	3.2	6.4
19	17.3	27.7	20.7	77.5	18.64	16.4	2.1	0.0	2.1	3.1
20	15.8	30.0	21.9	72.0	18.70	16.4	0.0	0.0	0.0	8.3
21	17.4	27.9	20.7	76.9	19.18	16.8	1.9	0.0	1.9	3.7
22	16.9	28.2	21.4	77.0	19.27	16.8	5.0	2.0	7.0	7.2
23	17.4	27.2	20.8	77.2	19.13	16.8	0.0	0.0	0.0	4.4
24	17.5	26.0	21.1	76.5	19.08	16.7	0.0	0.0	0.0	0.9
25	17.0	26.2	20.9	80.1	20.01	17.5	0.0	0.0	0.0	1.7
26	18.0	25.5	21.0	82.1	20.44	17.8	0.0	0.0	0.0	2.3
27	18.8	26.2	21.4	81.8	20.97	18.3	0.7	9.0	9.7	0.7
28	17.4	23.1	19.9	90.4	21.01	18.3	0.1	0.0	0.1	0.0
29	16.9	27.5	21.9	76.8	20.01	17.4	0.0	0.0	0.0	3.6
30	17.7	26.7	21.0	88.7	21.80	18.9	0.9	11.1	12.0	3.0
31	15.4	27.6	22.1	74.1	19.40	17.0	0.0	21.0	21.0	7.2
PROM	16.8	26.4	20.7	80.4	19.50	17.1	25.4	174.5	199.9	113.1

ESTACION: CENICAFE MUNICIPIO: CHINCHINA AÑO: 1.989

ALTITUD: 1.310 LATITUD: 5-00 N. LONGITUD: 75-36 W.

M E S – NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	24.0	19.5	85.8	19.41	17.0	11.9	0.0	11.9	1.6
2	16.8	26.3	20.8	78.2	19.20	16.8	0.0	0.0	0.0	4.4
3	17.6	26.9	21.7	77.4	19.92	17.4	0.0	6.7	6.7	2.7
4	18.0	23.2	19.4	95.1	21.2[illegible]	18.4	15.1	0.1	15.2	0.5
5	17.0	27.2	21.5	75.7	19.1[illegible]	16.8	0.0	0.0	0.0	6.0
6	17.2	28.3	21.1	72.9	18.47	16.3	0.0	23.6	23.6	6.8
7	18.0	23.7	20.4	86.9	20.59	17.9	4.6	0.0	4.6	0.7
8	18.2	26.5	20.6	81.2	19.63	17.2	0.7	0.3	1.0	3.5
9	17.0	28.0	21.5	75.7	18.90	16.6	0.0	0.0	0.0	9.0
10	17.6	27.5	20.7	79.5	19.27	16.9	18.5	5.2	23.7	2.1
11	17.5	21.8	18.7	83.3	17.94	15.7	0.3	0.0	0.3	0.0
12	16.3	25.6	20.4	78.3	18.63	16.4	0.0	0.0	0.0	2.2
13	17.6	24.5	20.2	79.6	18.85	16.5	0.0	0.0	0.0	0.6
14	15.9	28.6	22.2	73.3	19.18	16.8	0.0	0.1	0.1	7.7
15	17.9	27.5	20.9	82.5	20.44	17.9	9.8	0.0	9.8	4.2
16	17.7	28.0	22.5	78.3	21.20	18.4	0.0	9.9	9.9	5.8
17	18.0	26.6	21.1	84.2	21.01	18.3	0.0	0.0	0.0	4.1
18	17.4	27.6	22.1	79.4	20.82	18.1	0.0	0.0	0.0	5.9
19	18.5	29.8	23.0	76.0	21.06	18.3	0.0	7.6	7.6	7.9
20	18.1	29.0	21.8	81.7	21.65	18.8	1.5	21.0	22.5	5.1
21	17.2	23.4	20.1	87.8	20.77	18.1	0.0	0.0	0.0	0.9
22	16.9	26.7	21.0	81.4	20.52	17.9	2.3	0.6	2.9	4.8
23	17.8	28.2	22.7	76.7	20.81	18.1	0.0	22.1	22.1	4.0
24	18.3	25.6	21.0	85.2	21.64	18.7	0.0	0.2	0.2	1.6
25	16.9	24.9	20.6	81.5	19.78	17.3	0.0	0.0	0.0	0.6
26	17.0	28.4	21.8	76.9	20.02	17.5	0.0	0.0	0.0	7.1
27	17.0	29.2	22.2	76.0	20.15	17.6	0.0	0.0	0.0	7.6
28	17.7	28.2	22.6	76.3	20.90	18.2	0.0	2.2	2.2	5.7
29	18.1	25.9	20.8	80.2	19.67	17.2	0.8	1.1	1.9	1.1
30	18.2	27.4	21.2	83.9	20.92	18.2	0.1	22.6	22.7	3.5
PROM.	17.5	26.6	21.1	80.4	20.06	17.5	65.6	123.3	188.9	117.7

M E S – DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	26.9	21.0	83.6	20.85	18.2	0.0	10.0	10.0	4.3
2	17.5	22.2	18.7	89.1	19.39	17.0	17.5	0.0	17.5	0.2
3	16.6	27.5	20.7	76.1	18.42	16.2	11.4	21.2	32.6	6.8
4	17.6	23.6	18.8	87.5	19.35	17.0	36.8	0.1	36.9	1.3
5	17.0	25.6	20.0	86.0	20.15	17.6	0.6	6.5	7.1	2.4
6	17.3	27.9	21.0	79.9	19.80	17.3	0.1	0.0	0.1	5.6
7	18.4	28.2	22.4	75.0	20.21	17.6	0.0	0.0	0.0	6.8
8	17.8	28.0	22.4	70.8	19.11	16.8	0.0	0.0	0.0	7.1
9	18.4	28.8	22.8	79.8	21.68	18.8	0.0	39.8	39.8	7.4
10	17.0	25.4	21.1	86.8	21.45	18.6	0.0	0.9	0.9	1.8
11	18.4	27.6	21.6	81.3	20.87	18.2	0.0	21.6	21.6	5.1
12	18.2	26.8	21.5	80.7	20.60	18.0	0.0	0.0	0.0	5.2
13	19.0	27.0	21.8	77.9	20.28	17.7	0.0	0.0	0.0	2.2
14	18.3	27.2	21.8	77.2	20.14	17.6	0.0	0.0	0.0	1.1
15	17.4	28.1	21.4	73.9	18.94	16.6	0.0	0.0	0.0	6.3
16	16.4	27.8	21.0	74.3	18.51	16.2	0.0	0.0	0.0	6.7
17	17.0	29.2	21.7	78.7	20.16	17.5	0.9	4.4	5.3	8.5
18	17.5	28.4	21.8	71.4	18.88	16.5	0.0	0.0	0.0	8.9
19	17.3	28.8	21.3	72.3	17.94	15.7	0.0	0.0	0.0	6.1
20	16.3	28.6	21.5	72.4	18.40	16.2	0.0	0.0	0.0	7.5
21	17.4	28.9	22.1	73.0	19.29	16.9	0.0	0.0	0.0	7.0
22	17.0	29.2	21.9	75.4	19.47	17.1	0.0	0.0	0.0	9.0
23	17.2	27.9	21.2	81.5	20.91	18.2	0.4	2.6	3.0	4.8
24	17.0	27.2	21.0	78.1	19.64	17.2	0.0	0.0	0.0	3.8
25	16.8	26.4	20.4	84.8	20.47	17.9	3.4	55.1	58.5	1.9
26	16.6	26.8	21.4	82.4	20.63	18.0	0.7	8.5	9.2	2.7
27	17.4	27.2	21.1	81.5	20.23	17.7	0.0	0.6	0.6	3.6
28	17.3	23.4	20.0	87.6	20.46	17.9	2.3	0.0	2.3	0.2
29	16.7	27.5	21.4	74.4	18.87	16.5	0.0	0.0	0.0	7.3
30	16.8	28.2	21.2	75.9	18.92	16.6	0.0	0.0	0.0	9.4
31	17.0	28.3	21.4	76.2	18.77	16.4	0.0	0.1	0.1	8.2
PROM	17.4	27.2	21.2	78.9	19.77	17.3	74.1	171.4	245.5	159.2

ESTACION: CENICAFE MUNICIPIO: CHINCHINA AÑO: 1.989

ALTITUD: 1.310 LATITUD: 5-00 N. LONGITUD: 75-36 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	17.0	26.3	20.6	16.0	28.4	81.0	19.47	17.1	230.0	24	131.9
FEBRERO	16.8	26.7	20.8	14.3	29.4	78.2	18.86	16.5	130.5	17	126.6
MARZO	16.7	26.7	20.6	15.0	31.0	78.7	18.85	16.5	250.3	23	145.1
ABRIL	17.4	27.6	21.7	15.8	30.7	77.8	19.90	17.4	289.2	17	142.1
MAYO	16.9	26.7	20.9	14.2	30.3	80.5	19.69	17.2	343.1	25	140.1
JUNIO	17.2	26.6	20.9	15.4	29.5	81.2	19.85	17.4	144.5	26	144.3
JULIO	17.0	27.4	21.2	15.2	30.7	76.4	18.92	16.6	116.0	16	179.0
AGOSTO	17.0	27.3	21.5	14.5	29.7	76.9	19.33	16.9	252.8	23	157.7
SEPTIEMBRE	16.9	26.4	20.9	15.5	29.6	80.3	19.55	17.1	178.3	24	117.9
OCTUBRE	16.8	26.4	20.7	15.4	30.0	80.4	19.50	17.1	199.9	25	113.1
NOVIEMBRE	17.5	26.6	21.1	15.9	29.8	80.4	20.06	17.5	188.9	19	117.7
DICIEMBRE	17.4	27.2	21.2	16.3	29.2	78.9	19.77	17.3	245.5	16	159.2
PROMEDIO	17.1	26.8	21.0	15.3	29.9	79.2	19.48	17.1			
TOTAL									2569.0	255	1674.7

ESTACION: NARANJAL MUNICIPIO: CHINCHINA AÑO: 1.989

ALTITUD: 1.400 LATITUD: 4-58 N. LONGITUD: 75-42 W.

M E S – ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.4	25.5	19.4	81.2	18.69	16.5	20.8	1.2	22.0	3.2
2	16.0	24.5	19.6	84.1	19.09	16.8	0.0	0.5	0.5	0.7
3	16.2	26.0	20.7	83.4	20.25	17.7	0.0	6.9	6.9	4.4
4	17.2	25.4	19.9	83.6	19.61	17.2	2.5	14.4	16.9	4.3
5	15.8	25.0	19.2	84.5	18.80	16.6	0.0	0.0	0.0	2.0
6	16.0	26.8	21.1	74.2	18.21	16.0	0.0	2.3	2.3	5.7
7	17.5	26.2	21.2	76.0	18.91	16.6	0.0	29.4	29.4	5.9
8	16.0	26.5	20.5	79.9	18.90	16.6	0.0	12.8	12.8	6.6
9	16.2	26.4	21.1	75.5	18.41	16.2	0.0	0.7	0.7	6.4
10	16.0	24.5	19.7	83.3	19.16	16.8	0.3	0.4	0.7	2.3
11	15.6	26.0	19.3	79.6	17.86	15.7	2.7	0.0	2.7	2.8
12	15.5	26.2	19.9	78.3	18.20	16.0	0.6	1.5	2.1	6.8
13	16.1	25.2	19.9	83.5	19.37	17.0	1.0	15.1	16.1	1.8
14	16.2	26.8	21.0	77.4	18.81	16.5	0.0	1.8	1.8	5.7
15	17.0	26.9	20.5	76.9	18.35	16.1	0.2	0.0	0.2	4.9
16	15.9	27.4	21.7	73.0	18.28	16.0	0.0	15.5	15.5	6.6
17	17.0	26.2	20.8	80.7	19.48	17.1	0.0	15.5	15.5	4.6
18	16.8	27.6	21.3	77.5	19.17	16.8	0.0	0.7	0.7	6.4
19	16.9	26.6	20.2	80.7	19.37	17.0	2.0	20.6	22.6	5.0
20	16.2	25.9	20.6	76.3	18.40	16.2	0.0	0.0	0.0	3.0
21	15.8	26.4	20.5	77.7	18.64	16.4	0.0	0.0	0.0	3.3
22	15.0	25.8	20.4	82.3	19.50	17.1	0.0	0.0	0.0	4.8
23	17.5	27.2	22.1	76.7	19.96	17.4	0.0	0.0	0.0	5.3
24	17.8	26.5	21.5	77.3	19.68	17.3	0.0	0.0	0.0	3.8
25	16.2	25.8	21.0	80.8	20.04	17.5	0.0	0.0	0.0	2.0
26	16.0	28.0	20.9	82.3	19.92	17.4	1.6	20.1	21.7	4.8
27	16.8	21.8	19.2	91.3	20.24	17.7	10.2	13.1	23.3	0.0
28	16.6	21.6	19.0	90.7	19.85	17.4	0.0	0.1	0.1	0.2
29	16.8	26.2	20.9	81.0	19.70	17.3	0.0	7.5	7.5	5.9
30	17.0	24.4	19.8	86.5	20.04	17.5	1.1	11.2	12.3	1.6
31	17.2	24.8	20.1	83.5	19.79	17.3	1.1	13.2	14.3	1.7
PROM.	16.4	25.8	20.4	80.6	19.18	16.8	44.1	204.5	248.6	122.5

M E S – FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.8	22.8	18.1	90.2	18.87	16.6	0.5	0.2	0.7	1.6
2	16.0	25.2	19.9	77.2	17.92	15.8	0.0	0.0	0.0	3.9
3	16.8	25.0	20.2	78.9	18.41	16.2	0.0	10.9	10.9	1.1
4	16.0	23.0	18.1	84.0	17.55	15.5	30.2	0.0	30.2	1.0
5	15.3	25.0	19.9	77.3	17.70	15.6	0.0	0.0	0.0	2.8
6	15.2	27.0	21.6	70.8	17.84	15.7	0.0	0.6	0.6	6.1
7	17.0	25.6	21.0	75.5	18.47	16.2	0.0	0.0	0.0	3.0
8	16.0	27.6	21.5	71.5	17.76	15.6	0.0	0.2	0.2	5.7
9	17.2	25.3	20.9	78.8	19.26	16.9	0.0	22.5	22.5	2.4
10	16.7	25.0	19.4	84.4	19.20	16.9	3.6	9.2	12.8	3.5
11	16.8	24.0	19.8	83.4	19.29	17.0	9.4	0.3	9.7	1.1
12	16.0	26.0	20.7	79.9	19.07	16.8	0.0	0.0	0.0	4.7
13	17.0	24.9	20.2	86.9	20.38	17.8	0.0	0.0	0.0	2.3
14	15.5	27.8	21.2	75.3	18.21	15.9	0.0	8.0	8.0	7.7
15	16.0	28.0	21.1	75.8	18.28	16.0	0.0	10.5	10.5	8.8
16	15.2	27.0	20.6	75.5	17.65	15.5	0.0	0.0	0.0	7.3
17	16.8	23.0	19.2	84.1	18.75	16.5	0.0	0.0	0.0	2.5
18	13.0	28.5	20.5	68.1	15.68	13.7	0.0	0.0	0.0	10.4
19	15.4	27.4	21.5	72.9	17.97	15.8	0.0	0.0	0.0	6.6
20	17.0	26.4	21.6	77.3	19.34	17.0	0.0	0.0	0.0	3.5
21	17.8	25.5	20.6	83.6	20.32	17.8	1.0	0.0	1.0	1.7
22	17.0	24.5	20.1	82.7	19.49	17.1	0.2	41.3	41.5	2.0
23	16.2	24.0	18.5	87.0	19.07	16.7	6.4	0.0	6.4	1.7
24	14.5	27.5	20.9	75.0	17.70	15.5	0.0	0.0	0.0	7.1
25	16.0	27.8	20.5	78.1	18.64	16.4	0.6	5.9	6.5	5.9
26	17.3	24.4	20.4	83.3	19.86	17.4	0.2	0.0	0.2	2.1
27	16.4	27.4	22.3	73.5	19.12	16.8	0.0	0.0	0.0	4.5
28	17.8	28.2	23.1	74.4	20.42	17.9	0.0	0.0	0.0	4.5
PROM	16.2	25.9	20.5	78.8	18.65	16.4	52.1	109.6	161.7	115.5

ESTACION: NARANJAL **MUNICIPIO:** CHINCHINA **AÑO:** 1.989

ALTITUD: 1.400 **LATITUD:** 4-58 N. **LONGITUD:** 75-42 W.

M E S - MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	29.8	22.9	67.9	18.29	16.0	0.0	0.0	0.0	9.0
2	17.8	28.7	23.0	73.8	20.25	17.7	0.0	0.0	0.0	8.3
3	16.8	26.8	22.2	78.9	20.67	18.0	0.0	20.8	20.8	3.6
4	16.0	26.4	20.9	79.4	19.29	16.9	0.0	0.0	0.0	3.4
5	16.9	22.0	18.9	90.3	19.62	17.2	4.6	0.0	4.6	0.4
6	15.6	27.2	20.7	75.7	18.08	15.9	0.0	10.4	10.4	6.8
7	15.7	24.8	19.4	81.9	18.41	16.2	13.5	0.0	13.5	2.9
8	16.2	25.2	19.7	83.0	19.10	16.8	10.0	0.0	10.0	3.3
9	16.0	26.7	20.9	81.4	19.89	17.4	0.0	0.0	0.0	4.1
10	15.7	28.0	21.8	70.8	17.53	15.3	0.0	0.0	0.0	8.3
11	16.4	27.4	19.8	79.3	18.37	16.1	27.0	10.2	37.2	4.2
12	16.0	25.2	19.4	83.6	18.82	16.6	0.0	30.0	30.0	5.5
13	16.2	26.2	20.1	80.0	18.77	16.5	1.2	18.5	20.1	2.2
14	17.0	22.4	18.9	86.6	19.10	16.8	1.9	1.6	3.5	0.0
15	16.4	25.0	20.7	79.8	19.08	16.7	0.0	26.6	26.6	1.5
16	15.4	23.7	19.8	84.4	19.29	16.9	0.2	10.6	10.8	0.5
17	16.8	27.3	21.4	75.5	18.65	16.4	0.0	0.0	0.0	5.7
18	16.3	26.8	21.0	68.1	17.08	15.0	0.0	0.0	0.0	6.0
19	15.8	26.0	20.7	79.4	19.16	16.8	10.5	0.0	10.5	7.4
20	17.0	25.2	20.1	80.0	18.72	16.5	0.0	0.0	0.0	2.6
21	17.2	28.0	21.7	73.4	18.70	16.4	0.0	0.0	0.0	7.1
22	16.7	26.6	20.9	76.3	18.81	16.5	0.0	8.7	8.7	4.7
23	15.5	27.8	19.7	75.4	17.31	15.2	7.1	13.0	20.1	6.5
24	16.0	26.0	20.5	78.1	18.39	16.2	0.2	0.0	0.2	6.3
25	15.5	27.8	21.2	71.1	17.42	15.3	0.0	0.0	0.0	8.1
26	16.5	21.0	18.5	90.3	19.32	17.0	0.7	3.6	4.3	0.7
27	15.9	26.0	19.9	80.1	18.45	16.2	9.2	24.1	33.3	4.3
28	15.5	20.8	18.3	87.4	18.47	16.2	3.7	0.5	4.2	0.5
29	14.8	27.5	20.3	69.3	16.05	14.1	0.0	0.0	0.0	7.7
30	15.0	28.6	21.0	70.0	17.12	15.1	0.0	0.0	0.0	10.7
31	15.6	26.2	21.3	69.7	17.30	15.2	0.9	0.0	0.9	5.8
PROM.	16.2	26.0	20.5	78.1	18.56	16.3	90.7	179.0	269.7	148.1

M E S - ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	26.8	20.9	75.7	18.60	16.4	0.0	1.6	1.6	4.7
2	17.0	26.3	21.2	80.6	20.00	17.5	0.0	0.0	0.0	3.7
3	17.2	25.0	20.2	82.6	19.61	17.2	0.2	0.0	0.2	3.1
4	15.6	28.5	22.2	71.0	18.53	16.3	0.0	41.1	41.1	6.6
5	16.3	25.4	20.7	81.5	19.76	17.3	0.0	0.0	0.0	2.8
6	15.8	27.4	22.0	70.7	18.40	16.2	0.0	38.1	38.1	5.8
7	15.4	28.6	22.6	74.2	19.75	17.3	0.0	50.0	50.0	6.9
8	16.0	29.4	22.3	76.6	20.04	17.5	0.0	0.0	0.0	6.9
9	18.3	24.6	21.2	84.0	21.40	18.6	0.0	0.0	0.0	0.1
10	17.3	27.4	20.8	79.0	19.60	17.2	1.6	0.0	1.6	2.7
11	15.4	28.6	22.4	71.7	19.01	16.6	0.0	0.0	0.0	8.3
12	18.0	25.5	21.5	83.5	21.44	18.6	0.0	0.0	0.0	0.0
13	17.2	28.4	22.6	78.2	21.08	18.3	0.0	0.0	0.0	4.4
14	18.7	26.8	20.8	81.4	20.21	17.7	27.8	0.0	27.8	0.0
15	18.5	26.7	20.5	83.5	20.35	17.7	0.2	0.0	0.2	2.5
16	16.8	28.6	22.2	72.0	19.15	16.6	0.0	2.6	2.6	6.5
17	16.6	29.3	23.3	69.4	19.16	16.8	0.0	0.0	0.0	9.2
18	18.3	29.2	22.8	73.2	20.08	17.6	0.0	0.0	0.0	5.7
19	17.6	28.5	23.0	74.1	20.69	18.1	0.0	0.0	0.0	7.9
20	17.5	26.6	22.1	78.9	20.88	18.2	0.1	0.0	0.1	3.0
21	18.2	28.8	22.6	75.5	20.52	17.9	0.0	0.0	0.0	6.3
22	18.0	27.2	23.2	75.3	21.02	18.3	0.0	2.6	2.6	4.9
23	18.7	28.1	23.5	75.5	21.47	18.6	0.4	85.0	85.4	5.7
24	16.2	25.1	20.7	80.0	19.53	17.1	2.2	0.0	2.2	1.7
25	16.4	28.4	22.3	73.0	19.20	16.9	0.0	0.0	0.0	6.3
26	17.8	26.2	21.4	84.5	21.48	18.7	1.3	7.1	8.4	1.6
27	16.9	27.0	22.3	76.3	20.16	17.6	0.0	49.9	49.9	5.4
28	16.5	27.2	21.8	72.8	18.43	16.2	0.0	26.0	26.0	7.7
29	17.8	26.0	20.9	81.3	19.91	17.4	0.0	4.7	4.7	2.9
30	17.2	26.7	21.5	79.2	19.99	17.5	0.6	0.0	0.6	3.7
PROM	17.0	27.3	21.9	77.2	19.98	17.5	34.4	308.7	343.1	137.0

ESTACION: NARANJAL MUNICIPIO: CHINCHINA AÑO: 1.989

ALTITUD: 1.400 LATITUD: 4-58 N. LONGITUD: 75-42 W.

M E S – MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.8	24.5	18.8	90.6	20.03	17.5	9.1	22.3	31.4	0.9
2	16.4	23.8	19.4	83.9	19.08	16.8	1.5	0.0	1.5	2.8
3	16.9	25.6	21.2	77.8	19.28	16.9	0.0	4.6	4.6	4.2
4	16.4	28.0	21.0	75.7	18.66	16.4	3.2	0.0	3.2	4.9
5	15.9	26.2	20.7	80.9	19.75	17.3	7.5	9.6	17.1	5.0
6	16.8	25.1	20.5	85.0	20.32	17.7	0.0	2.7	2.7	2.3
7	17.0	24.9	20.0	86.3	20.37	17.7	19.2	27.5	46.7	1.1
8	16.2	24.2	18.2	89.7	19.10	16.8	14.5	1.0	15.5	2.2
9	16.4	25.3	20.7	80.3	19.31	16.9	0.0	6.9	6.9	2.7
10	16.5	22.2	18.5	89.5	19.06	16.7	11.0	0.0	11.0	0.1
11	14.0	27.4	21.1	78.0	19.29	16.8	0.0	7.3	7.3	7.0
12	15.8	25.4	21.2	80.6	20.45	17.8	0.4	18.2	18.6	5.6
13	17.0	24.8	20.3	84.3	19.91	17.4	3.1	0.0	3.1	2.5
14	15.1	27.2	21.0	75.1	18.57	16.3	0.7	0.0	0.7	4.0
15	16.0	27.4	21.0	74.0	18.20	16.0	16.6	0.8	17.4	7.6
16	16.9	28.9	22.8	71.2	18.92	16.6	0.0	0.0	0.0	8.6
17	17.8	28.6	22.6	71.5	19.46	17.0	0.0	0.1	0.1	7.9
18	17.0	26.6	21.8	74.8	19.30	16.9	0.0	9.3	9.3	3.7
19	16.2	27.2	20.6	74.3	17.99	15.8	0.1	0.0	0.1	4.5
20	16.6	28.0	22.7	69.5	18.89	16.5	0.0	0.0	0.0	7.4
21	16.0	28.2	22.8	73.3	20.40	17.8	0.0	0.0	0.0	6.8
22	18.1	29.0	23.8	68.3	19.79	17.3	0.0	7.2	7.2	6.8
23	18.0	24.2	18.7	93.9	20.38	17.8	52.9	1.0	53.9	2.4
24	17.4	25.3	20.4	88.0	21.18	18.4	4.5	37.0	41.5	2.2
25	16.0	22.2	19.3	90.1	20.00	17.5	3.2	7.1	10.3	1.1
26	17.0	25.8	21.1	81.0	19.95	17.5	0.1	0.0	0.1	4.1
27	16.2	27.4	19.7	79.5	18.68	16.4	4.9	3.4	8.3	4.5
28	14.7	25.0	19.7	80.3	18.68	16.4	3.2	0.0	3.2	4.7
29	15.0	25.7	21.0	71.9	17.78	15.6	0.0	0.0	0.0	6.4
30	15.5	28.5	22.1	72.1	18.69	16.4	0.0	2.7	2.7	9.7
31	17.6	27.5	22.7	74.1	20.75	18.1	0.0	11.3	11.3	3.8
PROM.	16.5	26.1	20.8	79.5	19.43	17.0	155.7	180.0	335.7	137.5

M E S – JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.4	28.0	22.5	75.1	20.08	17.6	0.0	0.0	0.0	4.9
2	16.8	25.0	20.6	83.4	20.42	17.9	1.6	0.4	2.0	1.9
3	17.8	21.8	19.2	91.6	20.54	17.9	0.2	0.0	0.2	0.0
4	15.7	27.0	21.4	74.4	18.78	16.9	0.0	0.2	0.2	6.0
5	18.0	22.7	19.2	87.4	19.62	17.2	12.4	0.0	12.4	2.4
6	16.0	25.5	20.0	86.0	20.19	17.6	0.2	6.8	7.0	4.0
7	16.4	26.2	20.2	85.1	20.15	17.6	0.0	0.1	0.1	4.9
8	17.6	27.0	22.1	80.9	21.12	18.4	2.7	4.2	6.9	6.1
9	17.4	26.3	20.5	85.0	20.78	18.1	0.8	2.2	3.0	3.1
10	17.8	27.0	22.2	76.9	20.51	17.9	0.5	10.2	10.7	5.4
11	17.5	26.8	20.8	82.7	20.44	17.8	2.4	12.3	14.7	4.3
12	17.0	26.2	20.8	83.2	20.45	17.8	2.6	31.2	33.8	6.0
13	16.0	25.3	20.2	81.2	19.02	16.7	0.1	0.0	0.1	1.9
14	15.4	27.3	21.0	77.9	19.14	16.8	0.1	0.0	0.1	3.7
15	16.0	28.2	22.1	73.5	19.52	17.1	0.0	6.4	6.4	7.6
16	16.7	28.0	21.8	73.9	19.17	16.8	0.0	0.0	0.0	7.8
17	17.6	26.2	21.3	76.3	19.19	16.8	1.5	0.0	1.5	2.2
18	16.8	26.0	20.9	80.6	19.95	17.5	0.9	11.1	12.0	3.9
19	16.0	26.2	21.2	81.4	20.28	17.7	0.0	11.1	11.1	4.0
20	17.6	24.8	20.1	89.4	21.26	18.5	0.2	0.0	0.2	3.6
21	15.0	26.2	21.5	76.6	19.37	17.0	0.0	19.2	19.2	5.4
22	17.2	25.4	20.4	84.9	20.22	17.7	0.0	9.5	9.5	4.0
23	17.0	24.1	18.9	91.4	19.95	17.5	0.8	0.0	0.8	1.0
24	16.0	23.5	18.7	88.6	18.80	16.5	11.5	0.1	11.6	2.6
25	15.7	23.9	18.4	90.5	19.11	16.8	5.0	0.3	5.3	2.5
26	16.0	27.3	21.6	76.7	19.51	17.1	0.0	5.9	5.9	7.3
27	17.0	25.8	20.9	79.0	19.17	16.8	0.0	9.8	9.8	4.9
28	16.4	26.4	20.0	82.5	19.19	16.9	7.8	0.0	7.8	7.2
29	16.3	28.0	22.5	71.8	19.28	16.9	0.0	0.5	0.5	8.6
30	16.5	26.8	21.1	76.7	19.19	16.9	0.0	5.4	5.4	5.3
PROM	16.7	26.0	20.7	81.5	19.81	17.3	51.3	146.9	198.2	132.5

ESTACION: NARANJAL MUNICIPIO: CHINCHINA AÑO: 1.989

ALTITUD: 1.400 LATITUD: 4-58 N. LONGITUD: 75-42 W.

M E S - JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.2	25.0	20.3	77.6	18.18	16.0	0.0	6.0	6.0	5.1
2	16.6	26.2	20.5	78.4	18.59	16.4	11.1	0.0	11.1	5.9
3	15.6	27.9	21.3	69.8	17.03	15.0	0.0	0.0	0.0	8.4
4	15.9	26.8	21.5	73.6	18.78	16.5	0.0	0.0	0.0	7.2
5	16.6	26.5	21.7	76.9	19.84	17.3	0.3	0.9	1.2	3.4
6	16.8	25.6	21.2	80.3	19.86	17.4	0.1	0.0	0.1	5.0
7	16.9	25.2	20.2	83.3	19.68	17.3	0.1	6.7	6.8	2.1
8	16.8	25.5	20.8	80.4	19.51	17.1	0.0	7.4	7.4	5.9
9	16.9	25.3	20.2	79.9	19.04	16.7	0.1	0.0	0.1	5.1
10	15.0	26.0	20.4	76.3	18.18	16.0	0.0	0.0	0.0	4.7
11	14.0	26.2	20.5	73.4	17.55	15.4	0.0	0.0	0.0	6.5
12	15.8	28.2	21.8	67.0	16.63	14.6	0.0	0.0	0.0	9.8
13	16.6	28.6	22.5	68.4	17.90	15.7	0.0	0.0	0.0	8.9
14	16.0	28.4	22.0	73.4	18.83	16.5	0.0	0.0	0.0	9.1
15	16.1	30.2	22.7	65.8	17.53	15.4	0.0	0.0	0.0	10.1
16	17.0	26.4	21.7	76.2	19.67	17.2	0.0	0.0	0.0	3.3
17	15.0	27.2	21.8	72.4	18.28	16.0	0.0	0.0	0.0	6.9
18	15.5	27.5	22.1	74.4	19.22	16.8	0.0	16.9	16.9	6.0
19	16.4	27.2	21.6	79.1	20.08	17.5	0.8	9.4	10.2	4.8
20	16.2	25.0	18.7	89.4	19.39	17.0	5.9	0.0	5.9	2.5
21	16.4	25.2	20.3	84.3	19.96	17.5	0.2	0.0	0.2	1.5
22	17.8	25.0	20.0	83.9	19.84	17.4	2.3	0.2	2.5	2.0
23	17.0	26.4	20.4	78.2	18.72	16.4	0.0	7.4	7.4	3.5
24	16.0	25.2	20.4	82.1	19.38	17.0	0.2	1.2	1.4	3.8
25	17.0	26.2	19.3	78.5	17.99	15.8	2.0	26.3	28.3	3.1
26	16.4	25.5	20.4	81.7	19.37	17.0	1.6	1.5	3.1	6.0
27	17.2	26.2	21.6	78.3	19.87	17.4	0.0	0.0	0.0	3.4
28	17.5	26.8	21.2	75.6	18.82	16.5	0.0	0.0	0.0	5.8
29	16.5	28.0	22.5	72.0	19.06	16.7	0.0	26.2	26.2	7.2
30	16.0	27.4	21.9	74.6	18.94	16.6	0.0	2.7	2.7	10.3
31	16.9	28.5	22.4	78.3	20.82	18.1	0.0	60.2	60.2	8.2
PROM.	16.3	26.6	21.1	76.9	18.92	16.6	24.7	173.0	197.7	175.5

M E S - AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.2	26.2	20.9	80.1	19.54	17.1	0.0	0.0	0.0	3.9
2	16.3	27.5	21.7	75.9	19.54	17.1	0.0	1.2	1.2	5.5
3	16.8	28.6	21.5	73.6	18.54	16.3	0.0	0.1	0.1	9.1
4	16.6	28.5	21.7	70.2	17.59	15.5	0.0	0.0	0.0	8.3
5	16.0	26.5	21.7	71.6	17.97	15.8	0.0	3.2	3.2	6.7
6	16.7	24.5	19.2	83.9	18.85	16.6	0.4	0.0	0.4	5.7
7	14.0	28.2	22.1	69.8	17.76	15.6	0.0	0.0	0.0	10.3
8	17.3	28.4	22.0	72.7	18.84	16.6	0.0	11.2	11.2	5.7
9	15.2	27.2	21.3	76.1	18.80	16.5	0.0	3.6	3.6	6.9
10	17.0	25.2	20.6	80.1	19.26	16.9	0.2	0.6	0.8	4.6
11	16.8	24.8	20.4	84.9	20.32	17.8	0.0	0.0	0.0	3.7
12	15.4	27.8	21.9	68.7	17.49	15.4	0.0	13.9	13.9	4.2
13	16.5	24.2	20.0	89.7	21.06	18.3	0.9	0.0	0.9	2.0
14	16.6	27.4	21.6	73.5	18.66	16.4	0.0	23.0	23.0	4.7
15	17.5	27.2	21.8	78.7	20.08	17.5	0.0	31.0	31.0	4.8
16	15.8	25.2	20.8	81.6	19.86	17.4	0.0	0.0	0.0	0.3
17	16.5	26.8	21.7	79.1	20.18	17.6	0.0	0.0	0.0	5.0
18	16.7	28.8	23.4	71.8	20.11	17.6	0.0	5.3	5.3	7.3
19	17.5	27.1	21.4	82.9	20.97	18.3	22.7	0.5	23.2	4.1
20	17.6	25.0	20.7	86.0	20.82	18.1	0.9	1.5	2.4	3.0
21	16.0	26.0	21.5	74.8	18.67	16.4	0.3	1.9	2.2	5.5
22	15.8	26.4	21.0	76.6	18.85	16.5	0.0	0.0	0.0	2.9
23	16.4	25.6	19.6	84.9	19.71	17.3	9.1	0.6	9.7	2.3
24	15.7	26.5	21.6	73.3	18.10	15.9	0.0	0.0	0.0	5.3
25	17.0	28.0	22.3	70.6	18.73	16.4	0.0	65.2	65.2	6.1
26	16.3	26.9	20.2	79.9	18.71	16.4	0.0	1.2	1.2	5.4
27	17.2	27.2	22.2	78.8	20.58	17.9	0.0	0.0	0.0	5.1
28	17.5	25.4	20.8	81.4	19.92	17.4	4.0	82.2	86.2	2.7
29	16.0	23.0	19.8	83.1	18.78	16.5	1.6	11.2	12.8	1.5
30	15.8	25.3	20.2	80.8	18.68	16.4	0.0	0.0	0.0	2.6
31	16.2	26.2	20.6	77.0	18.46	16.2	0.0	0.0	0.0	4.3
PROM	16.4	26.5	21.2	77.8	19.21	16.8	40.1	257.4	297.5	149.5

ESTACION: NARANJAL MUNICIPIO: CHINCHINA AÑO: 1.989

ALTITUD: 1.400 LATITUD: 4-58 N. LONGITUD: 75-42 W.

M E S - SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	27.0	21.4	75.8	18.92	16.6	0.0	0.0	0.0	5.8
2	17.2	28.0	21.5	70.5	17.77	15.6	0.0	0.0	0.0	4.0
3	16.4	28.2	22.0	69.4	17.75	15.6	0.0	26.0	26.0	4.6
4	17.0	26.0	21.1	83.2	20.45	17.8	0.0	13.1	13.1	3.5
5	17.2	23.5	19.9	88.0	20.64	18.0	4.5	1.4	5.9	0.9
6	17.0	24.0	20.3	84.2	20.10	17.6	0.7	0.0	0.7	2.8
7	18.0	26.3	20.1	87.3	21.06	18.3	3.7	0.0	3.7	2.6
8	16.8	26.6	21.4	73.6	18.68	16.4	0.0	9.2	9.2	5.0
9	17.4	26.5	19.9	82.2	19.30	16.9	11.4	0.3	11.7	2.4
10	16.8	26.3	21.0	81.5	20.30	17.7	0.0	2.4	2.4	3.0
11	15.8	24.7	20.2	85.9	20.19	17.6	0.5	5.7	6.2	4.2
12	16.0	25.2	20.9	78.7	19.08	16.7	0.0	12.3	12.3	3.9
13	16.5	25.3	20.5	79.6	18.92	16.6	0.0	5.5	5.5	6.0
14	16.4	25.5	20.4	79.3	18.55	16.3	1.0	0.0	1.0	4.5
15	15.0	28.4	21.6	71.4	17.90	15.8	0.0	0.0	0.0	9.3
16	16.8	26.4	21.1	80.0	19.99	17.5	4.0	0.0	4.0	5.3
17	17.0	26.5	21.7	76.8	19.59	17.2	0.6	27.0	27.6	5.3
18	16.7	24.2	20.1	83.8	19.96	17.5	0.2	0.0	0.2	2.9
19	15.0	25.2	19.9	81.2	18.90	16.6	0.3	1.4	1.7	3.6
20	16.2	23.4	19.7	85.4	19.69	17.3	0.0	0.0	0.0	0.5
21	16.8	25.8	20.0	79.5	18.57	16.3	0.7	40.0	40.7	3.1
22	15.8	21.8	18.8	84.6	18.13	16.0	6.2	0.0	6.2	0.1
23	14.9	27.2	19.4	80.2	18.12	15.9	1.3	0.5	1.8	8.3
24	16.8	27.1	21.5	78.7	19.70	17.3	0.0	1.8	1.8	8.0
25	15.8	27.8	20.6	77.3	18.70	16.4	0.0	39.0	39.0	7.1
26	16.0	23.0	19.4	85.3	19.02	16.7	0.0	0.0	0.0	2.4
27	16.1	24.3	19.7	80.7	18.55	16.3	0.0	0.7	0.7	0.0
28	16.8	19.2	17.6	94.7	19.36	17.0	23.2	0.7	23.9	0.0
29	15.5	24.8	20.3	83.1	19.44	17.0	0.0	0.0	0.0	4.3
30	15.8	27.0	21.4	75.5	19.07	16.7	0.0	0.0	0.0	6.3
PROM.	16.4	25.5	20.4	80.6	19.21	16.8	58.3	187.0	245.3	119.7

M E S - OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.2	27.2	21.5	72.6	18.28	16.1	0.0	28.3	28.3	6.8
2	16.0	24.5	20.0	81.3	18.78	16.5	0.1	22.2	22.3	3.3
3	16.8	25.2	20.4	82.5	19.70	17.3	0.0	0.0	0.0	3.9
4	16.9	24.5	19.5	84.5	19.36	17.0	1.8	13.1	14.9	4.0
5	14.6	23.0	17.7	91.9	18.72	16.4	2.4	0.0	2.4	3.5
6	14.9	27.2	20.4	75.7	17.78	15.6	0.0	5.5	5.9	6.9
7	16.8	28.0	21.6	69.3	17.40	15.3	0.0	0.1	0.1	8.6
8	17.4	24.3	19.2	90.4	20.26	17.7	10.2	0.0	10.2	1.8
9	16.4	25.0	20.1	84.5	19.76	17.3	0.0	0.0	0.0	2.2
10	15.0	26.0	20.4	74.8	17.85	15.7	0.0	46.4	46.4	3.7
11	15.6	21.4	18.9	88.5	19.19	16.8	0.0	4.0	4.0	0.0
12	15.3	23.5	19.3	85.4	19.28	16.9	2.3	0.0	2.3	1.8
13	16.4	26.8	20.5	78.5	18.96	16.7	3.3	29.8	33.1	4.1
14	16.0	27.0	20.5	77.9	18.63	16.4	2.2	0.0	2.2	3.9
15	16.8	23.8	20.1	81.5	19.58	17.2	0.1	0.0	0.1	0.3
16	15.4	25.3	19.9	80.9	18.93	16.6	0.1	0.0	0.1	4.3
17	15.8	23.0	18.8	91.3	19.90	17.4	3.9	0.0	3.9	1.4
18	15.9	26.4	21.0	73.9	18.53	16.3	0.0	2.9	2.9	6.9
19	17.0	26.0	19.8	76.8	17.47	15.3	2.6	0.0	2.6	2.8
20	15.5	28.2	21.6	76.2	19.19	16.8	0.0	1.7	1.7	9.4
21	16.9	28.0	20.6	81.9	19.94	17.5	1.2	0.0	1.2	4.5
22	16.7	27.4	21.4	76.6	19.08	16.7	0.0	21.1	21.1	8.4
23	16.8	25.4	20.4	82.3	20.03	17.5	4.2	0.2	4.4	2.9
24	17.0	24.3	20.8	82.7	20.34	17.8	0.0	1.3	1.3	1.2
25	17.5	25.2	20.6	81.0	19.99	17.5	0.1	0.1	0.2	1.7
26	17.8	25.2	20.5	82.3	19.81	17.3	0.5	6.6	7.1	1.2
27	17.7	26.0	21.2	82.7	20.83	18.1	24.4	27.5	51.9	1.6
28	16.5	22.0	19.5	90.1	20.43	17.8	0.2	0.0	0.2	0.1
29	16.2	27.2	21.1	77.3	19.33	16.9	0.0	0.0	0.0	4.0
30	17.8	25.2	20.3	91.0	21.67	18.8	19.5	9.3	28.8	2.5
31	15.0	26.9	21.4	78.4	19.70	17.3	0.0	22.1	22.1	6.8
PROM	16.3	25.5	20.3	81.5	19.31	16.9	79.1	242.6	321.7	114.5

ESTACION: NARANJAL MUNICIPIO: CHINCHINA AÑO: 1.989

ALTITUD: 1.400 LATITUD: 4-58 N. LONGITUD: 75-42 W.

M E S - NOVIEMBRE

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.6	23.2	19.1	87.0	19.15	16.8	27.7	0.0	27.7	0.8
2	16.2	25.8	20.9	76.7	19.16	16.8	0.0	0.2	0.2	5.5
3	17.6	26.4	21.3	77.0	19.44	17.0	0.0	0.0	0.0	4.1
4	17.9	22.9	18.9	94.5	20.81	18.1	18.6	0.1	18.7	0.0
5	16.9	26.7	21.3	75.1	18.80	16.5	0.0	0.0	0.0	7.0
6	17.0	27.4	22.2	75.4	19.96	17.4	0.0	11.7	11.7	7.9
7	17.7	23.5	20.0	84.3	19.87	17.4	4.2	0.0	4.2	1.7
8	17.5	25.4	20.7	78.4	19.16	16.8	0.0	0.0	0.0	4.1
9	16.7	27.5	20.9	73.5	17.97	15.8	0.0	0.0	0.0	8.9
10	17.0	26.6	20.5	77.7	18.66	16.4	4.5	1.0	5.5	2.6
11	17.1	20.5	18.4	83.0	17.57	15.4	7.6	0.0	7.6	0.0
12	16.0	25.2	20.1	73.6	17.06	15.0	0.0	0.0	0.0	3.1
13	17.0	24.8	20.3	79.6	19.07	16.8	0.0	0.0	0.0	1.3
14	16.2	28.2	20.9	77.1	18.69	16.4	0.1	0.0	0.1	8.1
15	17.6	27.8	20.9	78.4	19.55	17.2	4.9	0.5	5.4	4.4
16	17.2	26.8	21.6	81.6	20.81	18.1	0.8	57.5	58.3	4.6
17	17.2	25.9	20.3	81.0	19.30	16.9	0.0	0.0	0.0	5.1
18	16.8	26.8	21.4	78.2	19.57	17.1	0.0	0.0	0.0	5.2
19	18.5	28.2	22.7	76.0	20.80	18.1	0.0	2.7	2.7	8.3
20	18.6	28.0	21.8	78.5	20.61	18.0	0.2	8.9	9.1	3.9
21	17.0	22.4	19.7	84.9	19.61	17.2	0.4	0.0	0.4	0.6
22	16.6	27.0	20.6	79.4	19.31	16.9	1.4	0.0	1.4	4.7
23	17.8	27.2	22.6	77.4	21.04	18.3	0.0	44.7	44.7	4.0
24	16.7	25.2	20.2	82.5	19.86	17.3	0.0	2.9	2.9	2.2
25	16.8	24.2	20.1	85.4	20.23	17.7	0.1	0.0	0.1	0.6
26	16.6	27.5	21.6	76.6	19.48	17.1	0.0	0.0	0.0	6.5
27	16.5	28.4	22.0	71.9	18.88	16.6	0.0	0.0	0.0	8.0
28	17.0	27.0	22.7	73.7	20.26	17.7	0.0	14.9	14.9	4.7
29	17.0	25.0	20.3	87.3	20.79	18.1	0.4	5.0	5.4	1.5
30	17.5	25.6	20.9	84.4	20.85	18.2	1.5	12.7	14.2	4.1
PROM.	17.1	25.9	20.8	79.7	19.54	17.1	72.4	162.8	235.2	123.5

M E S - DICIEMBRE

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.8	26.7	21.1	80.7	20.22	17.7	0.4	38.0	38.4	3.9
2	16.8	22.0	18.7	88.0	19.11	16.8	1.9	0.0	1.9	0.0
3	16.2	27.0	21.4	73.6	18.50	16.3	0.0	12.8	12.8	8.6
4	17.2	22.9	18.7	85.8	18.98	16.6	6.0	0.0	6.0	0.7
5	16.5	25.4	19.6	86.2	19.62	17.2	0.8	2.6	3.4	2.1
6	17.0	26.9	20.4	78.9	18.95	16.6	0.0	0.0	0.0	5.4
7	17.8	27.6	21.8	74.6	19.25	16.9	0.0	0.0	0.0	6.4
8	18.1	27.2	22.1	71.2	18.75	16.4	0.0	2.0	2.0	6.2
9	18.0	28.2	22.5	76.1	20.42	17.9	0.0	13.2	13.2	7.9
10	16.7	24.0	20.5	86.3	20.77	18.1	0.0	0.7	0.7	1.2
11	17.8	26.7	21.6	80.0	20.38	17.8	0.0	52.6	52.6	5.0
12	17.2	25.5	21.4	79.0	20.02	17.5	0.0	0.0	0.0	3.8
13	18.0	26.2	21.5	81.4	20.71	18.0	0.0	0.0	0.0	1.5
14	18.2	26.8	21.5	79.9	20.44	17.8	0.0	21.5	21.5	0.6
15	17.0	27.3	21.1	76.0	18.52	16.2	0.0	14.7	14.7	5.5
16	16.5	26.8	20.8	76.8	18.53	16.3	0.0	0.0	0.0	6.7
17	16.4	28.0	21.9	74.8	19.27	16.9	0.0	0.0	0.0	8.7
18	17.5	27.2	21.6	77.5	19.80	17.3	0.0	5.6	5.6	8.5
19	16.8	28.0	21.2	72.8	18.03	15.8	0.0	0.0	0.0	6.2
20	15.8	27.9	21.7	72.4	18.31	16.1	0.0	0.0	0.0	6.3
21	17.0	28.4	21.8	73.8	19.08	16.7	0.0	0.0	0.0	7.4
22	16.3	28.0	21.6	77.2	19.48	17.1	0.0	0.0	0.0	9.0
23	16.9	27.4	20.6	77.5	18.88	16.6	0.6	0.5	1.1	4.7
24	16.7	25.2	20.4	78.9	19.09	16.8	0.0	6.7	6.7	1.9
25	16.8	25.5	19.7	85.8	19.57	17.2	4.1	33.2	37.3	2.2
26	17.0	26.2	21.2	79.0	19.56	17.1	0.0	0.5	0.5	3.9
27	16.8	25.7	21.0	78.4	19.36	17.0	0.0	0.0	0.0	2.4
28	17.0	22.2	19.4	87.0	19.73	17.3	3.1	0.0	3.1	0.4
29	16.5	26.2	20.9	77.5	18.87	16.6	0.0	0.0	0.0	5.9
30	16.7	27.3	21.0	71.6	17.74	15.6	0.0	0.0	0.0	8.1
31	16.2	27.0	20.7	76.0	18.24	16.1	0.0	0.0	0.0	8.5
PROM	17.0	26.4	20.9	78.5	19.30	16.9	16.9	204.6	221.5	149.6

ESTACION: NARANJAL MUNICIPIO: CHINCHINA AÑO: 1.989

ALTITUD: 1.400 LATITUD: 4° 58 N. LONGITUD 75°42 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	16.4	25.8	20.4	15.0	28.0	80.6	19.18	16.8	248.6	24	122.5
FEBRERO	16.2	25.9	20.5	13.0	28.5	78.8	18.65	16.4	161.7	15	115.5
MARZO	16.2	26.0	20.5	14.8	29.8	78.1	18.56	16.3	269.7	19	148.1
ABRIL	17.0	27.3	21.9	15.4	29.4	77.2	19.98	17.5	343.1	18	137.0
MAYO	16.5	26.1	20.8	14.0	29.0	79.5	19.43	17.0	335.7	27	137.5
JUNIO	16.7	26.0	20.7	15.0	28.2	81.5	19.81	17.3	198.2	28	132.5
JULIO	16.3	26.6	21.1	14.0	30.2	76.5	18.92	16.6	197.7	19	175.5
AGOSTO	16.4	26.5	21.2	14.0	28.8	77.8	19.21	16.8	257.5	20	149.5
SEPTIEMBRE	16.4	25.5	20.4	14.5	28.4	80.6	19.21	16.8	245.3	23	119.7
OCTUBRE	16.3	25.5	20.3	14.6	28.2	81.5	19.31	16.9	321.7	28	114.5
NOVIEMBRE	17.1	25.9	20.8	16.0	28.4	79.7	19.54	17.1	235.2	20	123.5
DICIEMBRE	17.0	26.4	20.9	15.8	28.4	78.5	19.30	16.9	221.5	17	149.6
PROMEDIO	16.5	26.1	20.8	14.7	28.8	79.2	19.26	16.9			
TOTAL									3075.9	258	1625.4

ESTACION: LA CAMPIÑA MUNICIPIO: TIMBIO AÑO: 1.989

ALTITUD: 1.850 LATITUD: 2-20 N. LONGITUD: 76-39 W.

M E S – ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.0	23.2	17.8	88.4	18.33	16.1	10.0	22.5	32.5	1.2
2	15.2	21.6	17.2	88.7	17.67	15.6	30.5	0.6	31.1	
3	14.8	23.0	18.1	87.2	17.93	15.8	0.0	9.7	9.7	4.9
4	15.0	22.0	17.8	88.2	17.99	15.8	3.4	4.2	7.6	2.4
5	14.9	20.5	16.5	90.4	17.08	15.0	4.9	0.0	4.9	0.7
6	14.0	21.4	16.2	87.2	16.28	14.3	40.9	0.0	40.9	0.9
7	14.2	21.5	16.8	89.3	17.35	15.2	1.3	0.0	1.3	3.1
8	13.5	24.0	16.6	86.0	16.57	14.5	8.6	32.5	41.5	4.5
9	12.0	23.0	17.0	85.2	16.42	14.4	0.0	58.5	58.5	3.1
10	13.8	22.4	16.8	90.3	17.38	15.3	8.1	0.9	9.0	2.5
11	14.4	21.8	17.7	89.0	17.96	15.8	0.0	0.0	0.0	2.6
12	13.0	23.2	18.2	83.5	17.29	15.2	0.0	0.0	0.0	8.4
13	14.8	19.6	16.3	93.7	17.37	15.3	5.4	0.0	5.4	0.7
14	14.5	22.0	17.7	89.3	18.06	15.9	0.1	0.0	0.1	4.0
15	13.4	23.5	17.7	86.5	17.12	15.0	0.0	0.0	0.0	3.7
16	13.0	23.4	18.9	82.2	17.68	15.5	0.0	0.0	0.0	4.9
17	14.4	24.2	17.9	85.9	17.35	15.3	2.0	4.2	6.2	5.7
18	14.3	24.7	18.9	83.8	17.97	15.8	0.0	0.0	0.0	5.2
19	15.4	24.5	18.4	88.1	18.67	16.4	0.2	0.0	0.2	7.2
20	13.8	24.6	19.5	81.4	18.06	15.9	0.0	0.0	0.0	3.5
21	14.0	22.6	17.4	87.8	17.81	15.6	0.7	0.0	0.7	6.4
22	13.5	23.5	17.8	86.9	17.84	15.7	13.9	0.0	13.9	5.1
23	14.2	24.2	17.9	88.3	17.95	15.8	0.0	0.0	0.0	5.2
24	12.8	23.8	18.5	82.5	17.26	15.2	0.0	0.0	0.0	7.9
25	12.7	19.6	16.3	90.5	16.70	14.6	0.0	0.0	0.0	1.7
26	11.8	24.5	17.5	83.2	16.37	14.3	0.2	0.7	0.9	7.5
27	14.5	23.2	17.6	85.5	17.37	15.3	0.8	29.1	29.9	6.3
28	14.8	19.4	16.2	90.6	16.92	14.9	16.1	0.0	16.1	0.0
29	13.0	23.2	17.0	91.4	17.83	15.6	0.4	2.1	2.5	4.9
30	14.3	23.0	17.8	82.8	16.73	14.7	0.1	0.0	0.1	3.5
31	15.8	22.2	17.3	87.8	17.62	15.5	0.6	0.9	1.5	1.3
PROM.	14.0	22.7	17.5	87.1	17.45	15.3	148.2	166.3	314.5	

M E S – FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.6	22.6	17.3	86.8	17.28	15.2	11.6	0.0	11.6	5.3
2	15.0	21.2	17.5	88.2	17.95	15.8	1.0	10.7	11.7	2.3
3	12.4	23.4	17.1	84.9	16.50	14.4	1.3	12.0	13.3	6.5
4	13.8	22.2	17.3	86.1	16.98	14.9	0.1	10.6	10.7	2.1
5	13.4	22.5	17.9	85.6	17.30	15.2	0.0	0.0	0.0	0.0
6	13.2	23.4	18.1	85.7	17.53	15.4	0.0	0.0	0.0	4.1
7	14.5	23.6	17.5	85.7	17.26	15.2	24.0	1.7	25.7	3.5
8	13.5	24.5	17.9	85.9	17.61	15.5	0.0	0.5	0.5	7.3
9	14.8	22.8	16.9	89.7	17.63	15.5	22.3	0.0	22.3	1.8
10	13.5	22.0	17.0	88.4	16.90	14.8	6.9	0.0	6.9	3.2
11	15.5	20.8	17.8	86.2	17.60	15.5	0.0	0.0	0.0	0.1
12	14.4	23.4	18.4	81.1	16.79	14.7	0.0	0.0	0.0	4.7
13	13.5	20.5	16.8	87.2	16.67	14.6	0.0	0.0	0.0	2.2
14	14.0	22.4	17.7	89.0	18.09	15.9	0.9	0.0	0.9	4.1
15	13.8	22.0	17.0	88.2	17.37	15.3	15.3	0.3	15.6	3.1
16	14.3	21.8	17.3	88.6	17.66	15.6	1.4	8.7	10.1	5.2
17	13.8	21.4	17.1	93.8	18.19	16.0	14.6	2.9	17.5	1.4
18	15.1	21.2	17.4	90.4	17.93	15.8	0.1	0.0	0.1	0.6
19	13.5	23.8	18.1	87.4	17.87	15.7	0.0	0.0	0.0	4.8
20	13.6	22.0	17.9	86.6	17.58	15.4	0.0	0.0	0.0	4.7
21	14.5	23.5	18.2	87.1	18.21	16.0	4.1	0.0	4.1	5.6
22	14.0	24.0	17.6	88.3	17.74	15.6	3.1	4.2	7.3	4.5
23	14.9	23.0	17.4	88.9	17.83	15.7	7.5	0.5	8.0	1.5
24	14.6	22.4	18.5	86.4	18.14	15.9	0.0	0.8	0.8	4.0
25	15.5	21.0	18.6	86.2	18.29	16.1	1.2	0.0	1.2	0.3
26	15.6	24.6	18.9	82.1	17.96	15.8	3.0	0.0	3.0	4.6
27	15.0	24.0	19.3	82.6	18.04	15.9	0.0	0.0	0.0	4.4
28	15.3	26.0	18.5	86.4	18.04	15.9	0.0	0.0	0.0	4.1
PROM	14.3	22.7	17.8	86.9	17.61	15.5	118.4	52.9	171.3	96.0

ESTACION: LA CAMPIÑA MUNICIPIO: TIMBIO AÑO: 1.989

ALTITUD: 1.850 LATITUD: 2-20 N. LONGITUD: 76-39 W.

M E S – MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	13.0	25.5	19.2	78.1	17.13	15.6	0.0	0.0	0.0	7.9
2	12.0	25.6	19.5	76.6	16.72	14.5	0.0	0.0	0.0	8.8
3	14.5	26.5	18.9	83.2	16.02	15.9	5.6	0.3	5.9	6.3
4	14.4	24.2	17.3	84.0	16.71	14.7	13.5	0.0	13.5	6.2
5	14.0	21.4	16.1	96.2	17.43	15.3	6.5	0.0	6.5	0.2
6	13.4	24.6	17.9	84.2	17.29	15.2	0.0	14.0	14.0	6.8
7	14.6	21.5	16.9	90.8	17.46	15.4	4.4	0.0	4.4	0.6
8	13.5	23.0	18.4	88.5	16.71	16.4	0.0	7.6	7.6	3.6
9	14.8	23.6	17.8	89.8	16.73	16.4	2.7	0.0	2.7	3.7
10	14.4	25.3	18.6	82.1	17.78	15.6	0.6	32.2	32.8	5.9
11	15.0	19.6	16.5	92.6	17.54	15.4	0.8	0.0	0.8	0.0
12	12.4	23.0	17.1	86.9	17.03	14.9	13.2	15.2	28.4	3.4
13	14.5	21.8	17.3	87.0	17.15	15.1	0.8	1.4	2.2	1.5
14	14.4	22.0	16.7	87.9	16.90	14.9	1.8	2.5	4.3	1.3
15	14.5	21.4	17.3	89.3	17.87	15.7	3.3	0.8	4.1	1.2
16	14.4	22.0	16.2	87.7	16.38	14.4	13.4	1.2	14.6	0.7
17	13.5	23.0	16.6	87.5	16.66	14.6	5.5	3.9	9.4	2.9
18	14.0	23.5	17.6	84.1	16.93	14.9	0.0	0.0	0.0	7.1
19	12.8	24.2	17.1	79.5	15.41	13.4	0.5	0.0	0.5	8.8
20	14.5	23.0	18.0	84.7	17.30	15.2	43.0	0.0	43.0	3.0
21	13.0	24.0	17.7	76.4	14.93	12.9	0.0	0.0	0.0	10.3
22	13.5	24.4	18.5	77.0	16.03	14.0	0.0	0.0	0.0	8.7
23	13.0	24.7	17.2	80.3	15.54	13.6	5.8	6.7	12.5	8.9
24	14.0	25.4	18.2	79.2	16.17	14.2	9.7	0.0	9.7	6.1
25	13.0	24.2	18.5	76.9	15.79	13.8	0.0	0.0	0.0	8.6
26	11.8	23.6	17.5	77.5	15.04	13.1	0.0	0.0	0.0	10.0
27	14.3	24.3	16.8	85.4	16.46	14.5	24.0	2.9	26.9	5.0
28	11.8	23.4	17.0	78.2	14.63	12.6	0.0	0.0	0.0	4.3
29	10.5	24.1	17.4	74.5	14.01	11.9	0.0	0.0	0.0	8.7
30	11.0	25.7	17.5	72.9	13.93	11.9	0.0	0.0	0.0	10.2
31	12.4	21.8	16.8	87.8	16.63	14.6	0.0	0.0	0.0	0.5
PROM.	13.4	23.6	17.6	83.4	16.59	14.5	155.1	88.7	243.8	161.2

M E S – ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	12.0	24.4	16.6	83.7	15.85	13.8	19.7	1.5	21.2	6.6
2	14.2	23.7	16.9	85.3	16.28	14.2	2.3	8.7	11.0	4.7
3	14.6	21.4	17.3	90.0	17.84	15.7	1.9	0.0	1.9	2.4
4	12.0	22.8	17.6	84.4	16.54	14.5	0.0	0.0	0.0	5.1
5	14.5	21.6	17.9	93.8	15.04	16.7	3.0	0.0	3.0	1.0
6	12.0	23.0	17.7	82.3	16.47	14.4	0.0	0.0	0.0	1.0
7	12.5	22.9	17.4	90.5	17.59	15.4	0.0	0.0	0.0	4.3
8	13.8	24.7	19.5	84.7	18.95	16.6	0.0	0.0	0.0	7.3
9	14.0	21.8	17.9	87.5	17.87	15.7	0.0	0.0	0.0	2.0
10	13.0	22.5	16.9	88.5	16.84	14.8	5.6	0.0	5.6	2.8
11	12.6	22.7	18.6	86.0	18.15	15.5	0.0	0.0	0.0	4.4
12	14.0	24.4	17.7	87.3	17.66	15.5	1.2	0.0	1.2	2.7
13	13.8	23.0	17.8	87.0	17.73	15.6	0.0	0.0	0.0	2.5
14	14.6	23.4	17.4	90.5	18.00	15.8	0.0	0.0	0.0	1.0
15	14.0	21.4	17.5	89.5	17.92	15.7	2.7	0.0	2.7	1.3
16	12.6	23.4	17.9	85.0	17.53	15.4	2.3	0.0	2.3	3.7
17	14.0	25.3	19.0	80.7	17.56	15.4	0.0	0.0	0.0	7.4
18	14.8	23.2	17.8	84.5	17.55	15.4	25.1	0.0	25.1	0.9
19	12.5	24.2	18.4	80.6	16.82	14.8	0.1	0.0	0.1	7.1
20	15.0	23.5	18.9	83.5	18.41	16.2	0.0	0.0	0.0	3.8
21	14.9	25.8	19.6	84.4	19.24	16.9	0.0	0.0	0.0	5.2
22	14.5	25.0	20.0	81.3	18.95	16.6	0.0	0.2	0.2	4.2
23	15.5	24.0	18.3	88.0	18.82	16.5	0.0	0.0	0.0	3.7
24	15.0	23.2	18.4	88.5	18.35	16.1	7.1	0.0	7.1	3.1
25	12.8	23.5	18.7	79.1	16.40	14.4	0.0	0.0	0.0	7.4
26	13.5	21.6	17.6	91.5	18.34	16.1	1.0	0.3	1.3	2.7
27	14.0	22.8	17.9	85.1	17.48	15.4	0.0	11.9	11.9	2.4
28	14.2	22.4	18.2	87.4	18.13	15.9	2.4	24.1	26.5	2.8
29	13.5	24.7	17.6	84.2	16.90	14.9	13.7	31.8	45.5	5.9
30	14.0	23.0	18.8	84.4	16.20	16.0	0.0	0.0	0.0	3.7
PROM	13.7	23.3	18.1	86.1	17.71	15.5	88.1	78.5	166.6	113.1

ESTACION: LA CAMPIÑA MUNICIPIO: TIMBIQ AÑO: 1.989

ALTITUD: 1.850 LATITUD: 2-20 N. LONGITUD: 76-39 W.

M E S — MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.0	19.5	16.3	92.7	17.62	15.5	4.6	7.0	11.6	0.5
2	14.0	21.2	17.4	86.2	17.06	15.0	0.9	0.9	1.8	1.0
3	14.1	23.2	17.9	83.8	16.84	14.8	0.0	4.9	4.9	1.0
4	14.0	22.8	17.0	83.3	16.16	14.2	0.2	0.1	0.3	1.7
5	13.0	24.2	16.8	82.0	15.77	13.8	21.2	21.1	42.3	3.9
6	14.0	20.6	17.6	88.7	17.62	15.5	0.3	0.0	0.3	0.1
7	15.0	22.0	17.7	87.4	17.66	15.6	2.6	2.8	5.4	3.4
8	14.8	22.8	17.2	93.4	18.39	16.2	6.6	0.0	6.6	2.3
9	13.7	24.0	18.4	80.2	16.72	14.6	0.0	0.0	0.0	5.9
10	14.0	20.2	16.9	87.3	16.93	14.9	5.8	0.0	5.8	2.3
11	9.8	24.0	18.5	70.4	14.07	11.8	0.0	0.0	0.0	9.7
12	14.0	23.0	18.0	78.6	16.19	14.2	0.0	2.2	2.2	5.8
13	14.8	19.2	16.3	88.7	16.41	14.4	9.1	0.0	9.1	0.8
14	12.8	22.4	17.1	90.6	17.61	15.4	0.6	0.0	0.6	5.4
15	12.9	22.6	18.2	83.1	17.41	15.4	0.1	0.0	0.1	4.9
16	12.2	24.2	19.1	84.4	18.29	16.1	0.0	0.0	0.0	6.8
17	14.5	23.8	18.4	81.8	17.30	15.2	0.0	0.0	0.0	3.7
18	12.8	25.4	18.1	83.6	17.23	15.2	3.7	0.0	3.7	3.9
19	15.4	24.8	18.0	83.6	17.38	15.3	6.8	0.2	7.0	4.5
20	13.6	24.6	19.5	65.3	13.80	11.7	0.0	0.0	0.0	8.9
21	15.0	25.2	20.9	63.4	15.42	13.4	0.0	0.0	0.0	7.1
22	13.5	25.4	19.6	67.9	15.42	13.4	0.0	0.0	0.0	6.3
23	15.7	23.2	18.8	82.1	17.78	15.6	0.2	0.0	0.2	1.6
24	15.2	22.3	17.6	86.3	17.47	15.4	4.0	0.1	4.1	2.0
25	15.0	22.2	17.2	90.4	18.06	15.9	10.6	0.0	10.6	2.3
26	11.3	22.4	17.7	85.6	16.99	14.8	0.0	0.0	0.0	3.4
27	13.5	25.0	19.4	83.9	18.81	16.5	0.0	0.0	0.0	8.6
28	14.2	23.8	18.4	84.7	17.91	15.7	0.0	0.0	0.0	2.9
29	14.8	22.2	18.3	89.8	19.05	16.6	5.3	0.0	5.3	3.2
30	14.5	24.0	19.2	84.5	18.72	16.4	1.7	0.0	1.7	4.8
31	13.2	23.5	19.2	80.1	17.43	15.3	0.0	0.0	0.0	6.7
PROM.	13.9	23.0	18.1	83.0	17.08	15.0	84.3	39.3	123.6	125.4

M E S — JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	13.8	23.0	18.3	85.3	17.66	15.5	0.1	0.9	1.0	3.1
2	15.0	22.2	17.5	89.6	18.00	15.8	4.5	0.1	4.6	3.3
3	12.2	21.2	17.2	85.5	16.98	14.9	2.3	0.0	2.3	2.4
4	13.4	24.5	18.8	83.3	18.01	15.8	2.4	0.0	2.4	3.8
5	14.8	22.6	18.1	83.5	17.24	15.1	0.0	0.0	0.0	4.0
6	14.5	23.0	18.7	80.4	17.91	15.8	44.8	0.6	45.4	
7	13.0	23.5	18.2	84.6	18.07	15.8	31.9	0.0	31.9	
8	13.1	23.0	18.0	89.1	18.61	16.3	0.3	0.2	0.5	3.1
9	15.2	22.0	18.1	93.4	19.35	17.0	7.8	3.1	10.9	5.9
10	15.0	23.8	17.6	94.5	19.27	16.9	11.2	0.1	11.3	4.8
11	14.9	22.0	17.5	90.3	18.11	15.9	0.3	0.0	0.3	2.1
12	14.6	20.5	16.9	91.3	17.85	15.6	1.2	0.0	1.2	1.2
13	13.5	24.5	17.8	82.7	16.92	14.9	0.0	0.0	0.0	4.5
14	13.2	24.4	19.5	71.4	16.07	14.1	0.0	0.0	0.0	3.8
15	12.5	24.2	18.3	84.3	17.46	15.3	2.1	0.0	2.1	5.1
16	12.0	24.8	19.0	78.9	17.13	15.1	0.0	0.0	0.0	6.6
17	13.0	25.0	18.5	76.2	16.88	13.8	1.1	0.0	1.1	5.3
18	14.0	20.4	17.1	92.4	17.95	15.6	2.0	0.2	2.2	0.5
19	13.8	21.0	16.1	96.2	17.59	15.5	12.8	0.0	12.8	2.0
20	14.5	22.2	16.8	80.0	15.15	13.0	1.1	0.0	1.1	1.6
21	13.0	23.2	18.1	85.7	17.78	15.7	0.2	0.0	0.2	2.9
22	13.5	22.0	16.3	91.2	17.18	15.1	0.0	0.0	0.0	2.5
23	13.0	22.2	16.9	85.1	16.65	14.6	27.0	1.3	28.3	3.4
24	14.6	22.3	17.5	82.2	16.26	14.3	0.3	0.0	0.3	3.0
25	13.0	20.0	16.5	86.4	16.26	14.3	3.4	0.4	3.8	2.0
26	12.9	20.2	15.6	90.2	16.14	14.1	0.4	0.4	0.8	3.8
27	13.5	22.0	16.7	85.7	16.33	14.3	1.1	0.0	1.1	2.4
28	13.8	24.0	17.7	81.8	16.50	14.5	0.0	0.0	0.0	7.0
29	11.8	24.1	16.1	87.4	15.98	14.0	10.2	7.4	17.6	6.4
30	12.8	23.2	17.5	85.4	17.18	15.1	2.8	0.1	2.9	6.1
PROM	13.6	22.7	17.6	85.8	17.25	15.1	171.3	14.8	186.1	

ESTACION: LA CAMPIÑA MUNICIPIO: TIMBIO AÑO: 1.989

ALTITUD: 1.850 LATITUD: 2-20 N. LONGITUD: 76-39 W.

M E S — JULIO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.8	22.4	17.5	83.9	16.84	14.8	0.0	0.0	0.0	2.3
2	13.2	23.0	18.1	63.1	12.43	9.9	0.2	0.0	0.2	4.3
3	10.0	24.5	17.6	64.7	12.32	10.1	0.0	0.0	0.0	7.6
4	9.8	23.2	17.3	74.0	13.92	11.9	0.0	0.0	0.0	5.1
5	12.0	24.8	17.7	72.4	13.92	11.9	0.0	1.7	1.7	3.8
6	12.5	23.8	18.9	60.2	12.82	10.6	0.0	0.0	0.0	5.7
7	12.2	23.1	17.7	64.5	12.77	10.6	0.0	0.0	0.0	6.4
8	10.6	22.0	17.4	66.5	12.83	10.7	0.0	0.0	0.0	7.3
9	11.8	24.2	17.8	62.9	12.62	10.3	0.0	0.0	0.0	7.7
10	10.0	25.2	18.2	60.2	11.74	9.3	0.0	0.0	0.0	9.2
11	12.8	24.8	18.6	59.0	12.43	10.2	0.0	0.0	0.0	
12	15.6	25.2	20.4	51.6	12.29	10.0	0.0	0.0	0.0	9.4
13	16.5	26.0	20.4	57.9	13.93	11.9	0.0	0.0	0.0	6.7
14	16.0	26.1	21.2	55.9	14.37	12.3	0.0	0.0	0.0	
15	16.2	25.5	21.1	55.3	13.87	11.8	0.0	0.0	0.0	10.6
16	15.3	24.0	19.0	62.5	13.90	11.8	0.0	0.0	0.0	8.2
17	13.0	24.3	17.6	59.5	11.78	9.4	0.0	0.0	0.0	9.2
18	11.0	24.2	18.4	70.1	14.51	12.4	0.0	0.0	0.0	5.2
19	12.8	22.5	17.3	85.8	16.65	14.6	0.4	0.0	0.4	3.2
20	12.0	20.2	16.6	90.8	16.91	14.9	2.7	0.1	2.8	0.3
21	13.2	22.0	17.0	93.0	18.00	15.8	1.1	0.5	1.6	1.0
22	13.8	23.5	17.8	85.6	17.64	15.4	0.0	0.0	0.0	1.6
23	12.8	24.5	17.7	81.3	16.24	14.2	0.0	0.3	0.3	4.2
24	14.8	25.0	17.8	81.9	16.86	14.8	1.1	3.2	4.3	6.0
25	12.8	25.3	17.3	82.6	16.50	14.4	0.3	41.1	41.4	7.4
26	13.0	22.5	15.5	84.2	14.73	12.7	14.1	0.2	14.3	4.5
27	14.0	24.2	18.5	83.4	17.83	15.6	0.0	0.0	0.0	8.0
28	13.9	23.9	18.3	78.9	16.36	14.3	0.0	0.0	0.0	5.4
29	12.8	23.2	18.6	85.3	17.90	15.7	0.0	0.0	0.0	8.2
30	12.7	25.0	18.4	81.5	17.39	15.3	9.1	0.0	9.1	5.4
31	14.7	25.2	19.1	78.4	17.02	14.9	0.9	0.0	0.9	6.3
PROM.	13.1	24.0	18.2	72.2	14.82	12.7	29.9	47.1	77.0	

M E S — AGOSTO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	13.8	24.8	19.4	74.9	16.38	14.3	0.0	0.0	0.0	3.1
2	11.0	25.1	18.6	68.3	13.61	11.5	0.0	0.0	0.0	6.3
3	10.5	24.0	17.9	63.1	12.25	9.8	0.0	0.0	0.0	7.8
4	8.5	25.5	18.5	63.0	12.15	9.8	0.0	0.0	0.0	10.0
5	13.0	24.6	19.9	57.9	13.29	11.2	0.0	0.0	0.0	3.4
6	9.0	25.5	18.5	58.6	12.57	10.3	0.0	0.0	0.0	4.7
7	10.0	26.4	18.8	70.7	14.70	12.6	0.0	0.0	0.0	8.7
8	11.2	26.0	19.8	72.6	16.14	14.1	0.0	0.0	0.0	8.4
9	11.0	23.8	17.6	82.4	16.05	14.0	0.0	0.0	0.0	3.4
10	13.4	24.2	17.9	78.4	15.64	13.6	0.1	0.0	0.1	4.3
11	13.4	24.0	18.6	72.5	15.00	12.9	0.0	0.0	0.0	3.4
12	9.8	24.9	18.8	62.0	12.42	10.1	0.0	0.0	0.0	5.1
13	13.8	25.2	19.7	64.1	14.40	12.4	0.3	0.0	0.3	4.0
14	13.2	23.0	17.9	85.5	17.41	15.3	0.3	0.0	0.3	3.7
15	11.8	25.0	18.8	64.5	13.04	10.9	0.0	0.0	0.0	4.4
16	14.0	25.2	18.3	76.5	16.11	14.1	0.0	0.0	0.0	4.8
17	11.0	25.2	19.4	65.0	13.53	11.4	0.0	0.0	0.0	7.7
18	13.2	25.5	18.8	64.4	13.60	11.5	0.0	0.0	0.0	9.1
19	11.0	24.0	18.0	78.7	16.00	13.9	0.1	0.0	0.1	5.1
20	13.4	23.8	16.1	91.4	16.59	14.6	2.0	0.0	2.0	3.8
21	12.5	26.0	17.2	84.8	16.83	14.8	46.2	2.3	48.5	3.6
22	13.0	25.3	18.3	79.2	16.60	14.5	0.0	0.0	0.0	6.1
23	14.6	24.0	18.0	82.3	17.05	15.0	0.0	0.0	0.0	2.0
24	12.8	26.3	18.6	73.1	15.17	13.2	0.0	0.0	0.0	6.0
25	10.0	24.4	17.3	79.8	15.71	13.7	0.0	0.0	0.0	6.2
26	12.8	22.2	17.4	83.1	16.15	14.1	0.0	0.3	0.3	3.1
27	13.7	25.1	18.9	73.9	15.78	13.8	0.0	0.0	0.0	3.8
28	13.4	22.6	18.1	84.4	17.40	15.3	0.0	0.0	0.0	2.7
29	13.1	21.0	16.6	88.0	16.61	14.6	1.3	1.0	2.3	0.2
30	13.0	21.5	17.4	84.9	16.73	14.7	2.8	0.0	2.8	1.3
31	10.8	23.0	16.7	87.4	16.39	14.2	0.0	0.0	0.0	0.5
PROM	12.1	24.4	18.3	74.7	15.20	13.1	53.1	3.6	56.7	146.7

ESTACION: LA CAMPIÑA MUNICIPIO: TIMBIO AÑO: 1.989

ALTITUD: 1.850 LATITUD: 2-20 N. LONGITUD: 76-39 W.

M E S – SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	11.0	27.0	19.2	62.2	12.79	10.6	0.0	0.0	0.0	8.8
2	12.0	26.4	18.7	66.5	14.16	12.1	0.0	0.0	0.0	6.4
3	10.4	28.0	17.6	79.8	15.58	13.5	8.2	14.0	22.2	7.0
4	14.7	22.5	17.6	91.1	18.27	16.1	5.9	12.8	18.7	2.5
5	14.6	18.6	16.2	95.2	17.55	15.4	6.5	6.9	13.4	0.1
6	14.7	22.0	17.1	92.1	18.43	16.2	3.5	0.0	3.5	0.6
7	14.2	23.4	18.3	87.2	18.18	16.0	9.6	0.0	9.6	2.7
8	12.6	22.0	16.7	87.3	16.57	14.5	1.7	0.0	1.7	2.1
9	13.0	22.3	17.7	85.8	17.30	15.2	0.0	0.0	0.0	2.2
10	12.5	24.0	18.1	85.0	17.58	15.4	0.0	0.0	0.0	4.4
11	15.7	24.3	19.7	82.7	18.66	16.4	1.2	0.0	1.2	5.7
12	14.0	26.2	18.7	80.7	17.47	15.4	0.0	0.0	0.0	7.0
13	13.7	25.5	18.6	80.5	16.83	14.8	0.0	0.0	0.0	5.2
14	14.6	24.2	19.5	75.9	16.62	14.6	0.0	0.0	0.0	3.3
15	12.6	26.2	20.7	64.7	14.70	12.7	0.0	0.0	0.0	7.2
16	13.8	25.6	20.7	59.7	13.97	11.8	0.0	0.0	0.0	7.3
17	14.0	25.0	19.3	77.6	16.69	14.5	0.0	0.0	0.0	5.0
18	10.5	24.8	17.7	76.8	14.95	12.9	0.0	0.0	0.0	5.6
19	13.0	23.0	18.2	81.3	16.69	14.7	0.0	0.6	0.6	3.3
20	14.5	23.2	17.0	85.0	16.71	14.7	67.6	0.1	67.7	0.2
21	13.0	23.4	17.7	82.4	16.26	14.3	0.2	0.0	0.2	3.0
22	14.8	22.8	16.9	87.6	17.24	15.2	25.0	0.1	25.1	2.1
23	13.0	26.0	19.0	82.7	17.83	15.6	0.0	0.0	0.0	4.6
24	13.1	23.2	18.1	85.7	17.64	15.5	0.0	0.0	0.0	5.4
25	13.0	24.3	16.9	86.1	16.83	14.7	12.7	0.1	12.8	3.7
26	13.5	21.4	15.4	97.4	17.14	15.1	15.8	0.0	15.8	0.3
27	13.8	23.2	17.0	89.5	17.65	15.5	1.8	0.1	1.9	4.3
28	15.0	21.3	17.1	92.5	18.35	16.2	3.4	0.0	3.4	1.2
29	12.5	25.1	19.3	72.7	15.62	13.6	0.0	0.0	0.0	5.8
30	13.8	27.0	19.4	68.1	14.54	12.5	0.0	0.0	0.0	7.6
PROM.	13.4	24.1	18.1	81.4	16.63	14.5	163.1	34.7	197.8	124.6

M E S – OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	12.8	23.0	18.6	71.0	14.68	12.7	0.3	0.0	0.3	4.2
2	14.9	23.7	18.2	85.5	17.77	15.6	0.0	0.0	0.0	1.0
3	13.4	24.9	17.9	82.1	17.13	15.1	2.4	12.3	14.7	5.8
4	14.0	23.0	17.1	85.1	16.56	14.5	3.3	0.1	3.4	2.4
5	13.9	23.9	18.3	77.3	16.07	14.1	0.0	0.0	0.0	1.4
6	12.8	24.2	19.0	75.7	16.27	14.2	0.0	0.0	0.0	5.2
7	13.5	22.8	16.0	94.6	16.95	14.9	9.8	0.0	9.8	3.9
8	11.0	24.0	17.3	91.4	18.36	16.1	5.4	0.1	5.5	4.0
9	14.2	23.0	18.1	86.2	17.95	15.8	0.5	17.5	18.0	2.4
10	14.8	22.0	17.0	90.3	17.53	15.4	0.5	17.6	18.1	2.3
11	14.0	22.8	16.9	86.1	16.58	14.6	5.2	0.0	5.2	1.3
12	13.7	21.0	16.0	95.5	17.37	15.3	7.3	0.3	7.6	1.5
13	14.9	21.9	15.8	96.1	17.22	15.2	17.6	0.0	17.6	1.6
14	13.8	22.3	17.4	86.6	17.30	15.3	1.5	0.0	1.5	
15	13.7	21.0	16.5	91.5	17.31	15.2	4.9	0.0	4.9	
16	13.0	25.1	18.3	86.4	17.94	15.7	0.0	0.0	0.0	7.3
17	14.8	25.3	19.0	80.5	17.29	15.1	0.0	0.0	0.0	2.3
18	14.6	24.0	18.8	81.9	17.31	15.2	0.7	0.0	0.7	5.1
19	15.4	23.2	17.8	90.0	18.19	16.0	4.8	0.0	4.8	2.7
20	11.4	24.8	17.5	77.5	14.92	12.9	0.0	0.0	0.0	6.7
21	13.0	24.0	17.5	86.4	17.47	15.4	7.3	0.1	7.4	4.6
22	14.0	24.1	18.1	88.1	18.98	16.6	4.6	33.8	38.4	5.5
23	13.8	22.7	17.4	85.1	18.90	14.8	1.7	3.2	4.9	1.2
24	14.8	23.2	17.3	86.7	17.22	15.2	2.9	0.1	3.0	0.9
25	14.2	24.2	17.5	92.6	18.47	16.2	4.0	0.0	4.0	4.3
26	14.5	23.5	17.7	87.0	17.66	15.6	0.0	10.0	10.0	2.3
27	15.8	23.2	17.8	89.3	18.30	16.1	0.0	0.0	0.0	2.5
28	15.6	24.3	18.6	85.2	18.30	16.1	15.6	0.0	15.6	2.5
29	15.0	26.4	18.4	82.5	17.65	15.5	18.7	0.1	18.8	4.9
30	15.2	23.0	18.6	86.6	18.55	16.3	0.0	0.0	0.0	0.8
31	15.0	25.3	18.5	85.5	18.50	16.3	2.0	2.8	4.8	3.5
PROM	14.0	23.5	17.7	86.0	17.38	15.3	121.0	98.0	219.0	

ESTACION: LA CAMPIÑA MUNICIPIO: TIMBIO AÑO: 1.989

ALTITUD: 1.850 LATITUD: 2-20 N. LONGITUD: 76-39 W.

M E S - NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.7	24.1	18.0	85.1	17.49	15.4	0.0	1.2	1.2	3.8
2	14.8	22.4	17.2	91.5	16.01	15.6	2.1	1.5	3.6	0.7
3	15.0	23.0	18.1	84.6	17.58	15.5	3.6	15.2	18.8	2.8
4	14.0	22.6	17.9	84.4	17.12	15.0	0.0	0.0	0.0	1.5
5	15.1	24.3	18.5	85.6	16.43	16.2	7.7	0.2	7.9	3.0
6	15.0	23.7	17.9	85.5	17.60	15.5	0.0	4.6	4.6	
7	13.0	23.2	17.2	86.3	16.86	14.6	11.6	2.5	14.5	2.5
8	14.4	20.2	16.8	89.2	16.98	14.5	0.1	4.6	4.7	0.2
9	14.0	24.0	17.8	86.3	17.72	15.6	0.0	0.0	0.0	6.1
10	14.5	24.1	18.0	89.1	16.64	16.3	5.1	0.0	5.1	5.9
11	14.0	20.2	16.7	91.5	17.51	15.4	34.0	0.0	34.0	0.2
12	13.0	23.1	17.7	87.3	17.90	15.8	0.0	0.0	0.0	4.6
13	15.0	23.3	17.8	87.9	18.34	16.1	6.3	4.8	11.1	1.0
14	14.5	23.8	17.6	88.0	17.63	15.5	3.1	2.1	5.2	4.1
15	14.7	26.0	17.6	84.1	17.29	15.2	29.5	0.0	29.5	6.8
16	14.8	27.5	18.4	84.4	16.15	15.9	23.2	0.2	23.4	6.0
17	14.9	23.0	18.0	82.6	17.04	14.9	23.0	0.5	23.5	2.2
18	14.5	25.0	18.5	82.4	17.25	15.1	0.0	0.0	0.0	0.3
19	14.2	26.2	19.5	85.6	15.28	16.5	0.0	0.0	0.0	4.7
20	15.2	26.0	19.0	80.5	17.98	15.6	0.2	17.2	17.4	5.0
21	15.7	21.9	17.4	87.5	17.51	15.5	16.0	1.0	17.0	0.4
22	14.1	22.4	18.1	87.6	16.10	15.9	6.4	0.2	6.6	1.7
23	15.3	21.8	18.5	88.8	16.82	16.5	0.6	0.0	0.6	0.8
24	15.1	24.9	19.0	80.6	17.69	15.6	0.0	0.0	0.0	3.8
25	12.8	24.6	18.7	79.1	16.69	14.7	0.1	0.0	0.1	3.0
26	14.0	26.7	18.7	82.2	17.60	15.5	3.0	0.0	3.0	6.1
27	13.8	26.0	19.3	81.6	17.94	15.7	0.1	0.0	0.1	7.1
28	15.4	22.8	18.8	85.7	18.46	16.3	0.2	0.0	0.2	2.9
29	15.3	25.4	17.6	91.4	16.60	16.3	0.7	19.6	20.3	5.4
30	14.6	22.2	17.7	89.4	17.98	15.8	1.1	0.0	1.1	4.1
PROM.	14.5	23.8	18.1	85.9	17.81	15.6	177.7	75.8	253.5	

M E S - DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.9	24.8	17.7	85.8	17.65	15.5	18.4	26.9	45.3	4.2
2	15.0	20.5	16.6	92.7	17.61	15.5	13.0	0.0	13.0	0.6
3	14.8	25.2	17.7	87.4	18.20	15.9	0.0	28.0	28.0	5.3
4	14.7	21.0	16.9	88.0	17.02	15.0	0.8	0.3	1.1	0.8
5	14.8	24.4	16.8	83.3	16.04	14.0	26.5	0.0	26.5	5.1
6	12.6	26.2	17.2	85.1	16.87	14.7	39.1	0.0	39.1	7.3
7	13.0	24.8	18.3	84.1	17.63	15.5	3.8	0.0	3.8	6.1
8	12.7	25.0	18.5	82.5	17.62	15.4	0.0	0.0	0.0	8.1
9	14.2	23.8	18.9	87.2	18.89	16.6	0.2	19.3	19.5	2.8
10	15.6	22.4	18.0	89.6	18.73	16.5	18.4	0.0	18.4	2.4
11	15.0	22.3	17.7	89.3	18.27	16.1	23.9	2.4	26.3	1.2
12	15.8	23.2	18.2	89.6	18.88	16.6	2.6	2.9	5.5	1.9
13	15.4	23.1	18.5	85.0	18.09	15.9	14.5	0.0	14.5	2.6
14	14.7	23.0	18.4	87.0	18.30	16.1	0.0	0.0	0.0	7.0
15	13.2	24.9	18.6	83.3	18.06	15.8	0.0	0.0	0.0	
16	12.1	23.6	17.4	84.6	16.53	14.5	0.0	7.0	7.0	
17	13.0	25.0	18.3	83.4	17.46	15.3	5.7	0.0	5.7	6.1
18	14.2	25.1	18.9	83.6	18.34	16.1	0.0	0.0	0.0	7.1
19	13.6	24.8	19.2	78.7	17.20	15.1	0.0	0.0	0.0	7.3
20	12.8	24.1	18.1	82.0	16.94	14.8	0.0	0.0	0.0	4.3
21	13.8	25.0	18.2	81.2	16.83	14.6	20.5	0.2	20.7	5.8
22	14.6	25.2	19.0	77.3	16.81	14.7	0.0	0.0	0.0	7.0
23	14.0	25.1	19.2	78.0	17.04	15.0	0.0	4.0	4.0	10.2
24	14.9	23.0	18.2	83.2	17.28	15.2	4.1	45.9	50.0	3.2
25	15.0	22.8	17.5	90.6	18.20	16.0	13.5	10.2	23.7	1.9
26	15.1	23.6	17.8	85.5	17.53	15.4	0.2	22.9	23.1	6.0
27	15.4	22.6	17.6	87.0	17.68	15.6	0.0	29.0	29.0	4.1
28	14.6	20.0	16.0	93.6	17.16	15.1	5.0	0.0	5.0	0.1
29	14.1	23.0	17.5	83.5	16.53	14.5	0.0	0.8	0.8	7.6
30	14.2	24.0	18.5	83.8	17.81	15.6	0.1	0.4	0.5	7.1
31	15.4	23.0	17.4	84.8	17.07	15.0	3.3	0.0	3.3	4.5
PROM	14.3	23.7	18.0	85.2	17.56	15.4	213.6	200.2	413.8	

ESTACION: LA CAMPIÑA MUNICIPIO: TIMBIO AÑO: 1.989

ALTITUD: 1.850 LATITUD: 2-20 N. LONGITUD: 76-39 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	14.0	22.7	17.5	11.8	24.7	87.1	17.45	15.3	314.5	22	
FEBRERO	14.3	22.7	17.8	12.4	26.0	86.9	17.61	15.6	171.3	19	96.0
MARZO	13.4	23.6	17.6	10.5	26.5	83.4	16.59	14.5	243.8	20	161.2
ABRIL	13.7	23.3	18.1	12.0	25.8	86.1	17.71	15.5	166.6	16	113.1
MAYO	13.9	23.0	18.1	9.8	25.4	83.0	17.08	15.0	123.6	20	125.4
JUNIO	13.6	22.7	17.6	11.8	25.0	85.8	17.25	15.1	186.1	24	
JULIO	13.1	24.0	18.2	9.8	26.1	72.2	14.82	12.7	77.0	11	
AGOSTO	12.1	24.4	18.3	8.5	26.4	74.7	15.20	13.1	56.7	9	146.7
SEPTIEMBRE	13.4	24.1	18.1	10.4	26.0	81.4	16.63	14.5	197.8	15	124.6
OCTUBRE	14.0	23.5	17.7	11.0	26.4	86.0	17.38	15.3	219.0	23	
NOVIEMBRE	14.5	23.8	18.1	12.8	27.5	85.9	17.81	15.6	253.5	24	
DICIEMBRE	14.3	23.7	18.0	12.1	26.2	85.2	17.56	15.4	413.8	24	
PROMEDIO	13.7	23.5	17.9	11.1	26.2	83.1	16.92	14.8			
TOTAL									2423.7	227	

ESTACION: MANUEL MEJIA MUNICIPIO: TAMBO AÑO: 1.989

ALTITUD: 1.700 LATITUD: 2-24 N. LONGITUD: 76-48 W.

M E S — ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.8	23.0	18.1	86.1	18.00	15.8	13.1	18.6	31.7	3.2
2	15.2	22.4	18.0	87.0	18.03	15.5	0.7	2.0	2.7	
3	15.4	21.8	18.1	87.2	17.99	15.8	0.0	1.8	1.8	5.3
4	15.8	21.6	17.5	89.1	18.08	15.5	11.7	19.0	30.7	
5	15.5	21.8	17.1	92.5	18.23	16.1	6.0	0.2	6.2	1.4
6	15.3	21.5	17.4	90.8	18.29	16.1	5.2	0.0	5.2	0.8
7	15.5	21.4	17.6	86.6	17.52	15.4	0.3	0.2	0.5	3.1
8	14.8	23.0	17.4	84.5	16.78	14.7	4.7	15.8	20.5	4.0
9	14.0	22.0	17.3	82.7	16.14	14.2	0.0	31.9	31.9	4.7
10	14.6	22.2	17.3	82.5	16.42	14.4	6.0	1.1	7.1	
11	14.8	21.5	17.5	83.9	16.77	14.7	0.0	0.0	0.0	
12	14.0	23.0	18.0	78.5	15.81	13.8	0.0	0.0	0.0	
13	15.8	20.0	17.3	92.5	18.37	16.2	3.5	0.1	3.6	0.7
14	15.4	21.4	18.1	88.0	18.18	16.0	0.0	0.0	0.0	3.2
15	16.0	23.2	18.6	84.5	17.95	15.8	0.0	0.0	0.0	4.8
16	14.6	23.8	19.6	79.7	17.85	15.6	0.0	0.0	0.0	5.6
17	16.4	23.9	18.2	83.1	17.64	15.5	1.3	5.2	6.5	6.5
18	14.8	24.3	18.6	82.9	17.68	15.6	0.0	0.0	0.0	8.0
19	15.8	23.8	19.3	82.8	18.53	16.3	0.0	0.0	0.0	6.3
20	16.0	24.2	18.6	78.8	16.84	14.8	0.0	0.0	0.0	6.8
21	15.4	22.5	17.9	84.7	17.50	15.4	0.2	0.0	0.2	5.7
22	14.8	23.2	18.0	84.5	17.64	15.5	3.5	0.0	3.5	5.6
23	15.0	23.5	18.7	82.2	17.55	15.5	0.0	0.0	0.0	5.2
24	16.0	24.2	19.3	77.5	17.04	14.9	0.0	0.0	0.0	8.0
25	15.8	20.0	17.5	87.1	17.47	15.4	0.0	0.5	0.5	0.4
26	14.0	24.0	17.8	81.1	16.42	14.4	0.0	11.0	11.0	6.7
27	15.0	22.6	18.0	81.4	16.84	14.8	4.0	15.1	19.1	6.3
28	15.8	20.3	16.5	86.2	16.49	14.5	10.8	0.0	10.8	0.2
29	13.5	22.8	17.5	84.3	16.89	14.9	0.1	1.7	1.8	4.5
30	15.6	23.4	17.9	81.8	16.86	14.8	0.0	0.7	0.7	5.0
31	16.0	22.5	17.4	85.5	17.25	15.2	0.1	4.2	4.3	5.2
PROM.	15.2	22.5	17.9	84.6	17.39	15.3	71.2	129.1	200.3	

M E S — FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.0	22.0	17.5	86.1	17.35	15.3	2.5	0.0	2.5	
2	15.6	21.0	17.4	87.7	17.60	15.5	0.2	12.0	12.2	1.6
3	13.5	22.2	17.4	82.9	16.45	14.5	0.9	14.1	15.0	7.5
4	14.0	21.8	16.9	84.5	16.29	14.3	2.0	0.0	2.0	1.6
5	13.8	22.2	18.5	83.5	17.51	15.4	0.0	0.0	0.0	4.8
6	15.4	23.0	18.7	80.4	17.10	15.0	0.0	0.0	0.0	5.8
7	15.2	23.5	18.2	82.9	17.28	15.2	12.3	4.4	16.7	4.7
8	14.5	23.8	18.6	83.9	18.03	15.9	0.0	1.6	1.6	6.6
9	15.8	22.0	17.1	86.8	17.30	15.2	9.5	0.4	9.9	2.2
10	14.5	20.8	17.3	84.9	16.65	14.6	0.0	15.0	15.0	4.1
11	15.8	21.2	18.1	83.4	17.21	15.1	6.5	0.0	6.5	0.7
12	15.0	22.3	19.2	80.5	17.47	15.3	0.0	0.0	0.0	4.9
13	13.4	21.4	17.7	85.6	17.27	15.2	0.0	0.0	0.0	2.1
14	15.3	23.0	17.4	91.3	18.25	16.0	5.5	12.9	18.4	4.8
15	15.8	22.6	17.6	84.5	17.28	15.2	11.9	1.0	12.9	4.6
16	15.4	21.5	17.4	87.0	17.43	15.3	1.4	15.8	17.2	5.1
17	15.0	21.8	17.6	83.9	16.90	14.9	0.3	0.5	0.8	3.1
18	15.8	22.0	18.1	82.8	17.25	15.2	0.0	0.0	0.0	1.7
19	14.0	22.8	18.2	84.9	17.53	15.4	2.0	0.0	2.0	6.5
20	14.6	22.1	18.2	86.5	17.97	15.8	0.0	0.0	0.0	4.1
21	15.4	23.5	18.7	83.6	18.00	15.8	0.2	0.0	0.2	4.9
22	15.2	22.8	18.5	84.5	17.92	15.8	0.1	8.4	8.5	3.8
23	15.0	23.2	18.0	88.1	18.36	16.2	3.2	0.8	4.0	1.6
24	15.3	23.0	19.1	84.4	18.42	16.2	0.0	11.3	11.3	3.7
25	15.6	21.8	18.5	88.4	18.73	16.5	0.0	0.9	0.9	1.0
26	16.0	24.9	18.7	80.7	17.33	15.2	6.2	0.1	6.3	6.2
27	15.8	23.7	19.7	75.2	16.70	14.7	0.0	0.0	0.0	5.3
28	16.4	24.3	18.5	85.7	18.25	16.0	0.0	0.0	0.0	6.1
PROM	15.1	22.5	18.1	84.5	17.49	15.4	64.7	99.2	163.9	

ESTACION: MANUEL MEJIA MUNICIPIO: TAMBO AÑO: 1.989

ALTITUD: 1.700 LATITUD: 2-24 N. LONGITUD: 76-48 W.

M E S – MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	13.5	25.0	19.3	71.5	15.50	13.6	0.0	0.0	0.0	3.8
2	12.5	25.6	19.8	73.4	15.98	13.9	0.0	0.0	0.0	8.7
3	15.4	25.8	19.3	82.0	16.53	16.3	4.4	3.5	7.9	5.9
4	15.0	24.8	18.4	79.9	17.08	15.0	1.4	0.0	1.4	6.5
5	14.8	20.8	16.2	95.1	17.59	15.5	2.2	0.0	2.2	0.5
6	14.9	24.5	17.8	84.4	17.31	15.2	4.9	2.4	7.3	6.8
7	15.0	21.4	17.5	86.1	17.12	15.1	1.8	0.0	1.8	0.9
8	14.0	23.0	18.5	86.6	16.47	16.2	0.0	24.4	24.4	4.5
9	15.5	23.7	17.9	87.1	16.26	16.1	3.2	0.0	3.2	4.4
10	15.0	25.0	19.3	80.6	16.16	16.0	6.8	8.8	15.6	7.6
11	16.0	20.0	17.2	90.8	17.87	15.7	4.8	0.2	5.0	0.0
12	13.6	23.5	17.9	87.3	17.83	15.7	5.9	12.4	18.3	4.3
13	16.0	22.5	18.1	83.4	17.39	15.3	1.9	6.0	7.9	1.5
14	15.4	22.0	16.7	83.6	16.04	14.1	6.1	3.5	9.6	2.6
15	14.8	21.0	17.8	87.7	17.75	15.6	0.9	5.3	6.2	2.7
16	15.6	21.8	17.1	84.5	16.53	14.5	9.2	0.5	9.7	1.2
17	14.8	23.6	17.7	83.5	17.03	15.0	1.3	3.4	4.7	6.1
18	15.3	23.0	18.4	75.0	15.98	13.8	0.0	0.0	0.0	6.9
19	13.0	23.8	17.6	77.4	15.47	13.5	0.0	0.6	0.6	8.4
20	15.0	24.0	19.2	79.8	17.63	15.5	0.0	0.4	0.4	2.6
21	14.0	24.4	18.6	69.2	14.21	12.1	0.0	0.0	0.0	9.8
22	13.0	24.5	19.0	73.1	15.76	13.8	0.0	0.0	0.0	8.6
23	12.8	25.2	18.4	77.2	16.05	14.1	1.5	0.1	1.6	8.7
24	14.8	25.5	19.5	74.4	16.48	14.5	0.0	0.0	0.0	7.8
25	14.6	25.3	19.7	69.7	15.44	13.5	0.0	0.0	0.0	4.1
26	13.0	24.5	18.4	73.6	15.35	13.4	0.0	0.0	0.0	8.2
27	15.0	24.0	18.1	77.1	15.89	13.9	20.9	8.6	29.5	6.7
28	12.0	22.5	17.5	71.7	13.98	11.9	0.0	0.0	0.0	3.1
29	12.2	24.5	18.1	74.6	14.92	12.9	0.0	0.0	0.0	8.1
30	10.8	25.5	17.9	69.9	13.67	11.6	0.0	0.0	0.0	9.9
31	12.4	21.6	18.2	81.6	16.87	14.8	0.0	0.0	0.0	0.2
PROM.	14.2	23.6	18.2	79.7	16.52	14.5	77.2	80.1	157.3	161.1

M E S – ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	12.8	24.7	17.9	83.2	17.07	15.0	12.4	3.9	16.3	
2	14.5	23.2	17.8	81.6	16.43	14.3	13.2	10.6	23.8	
3	15.8	22.5	17.7	89.1	18.20	16.0	1.4	0.0	1.4	2.3
4	12.4	22.6	18.1	81.7	16.67	14.6	0.0	0.0	0.0	5.5
5	15.6	22.5	17.8	91.2	18.57	16.3	1.5	0.0	1.5	1.9
6	14.0	22.0	17.9	80.8	16.37	14.4	0.0	0.0	0.0	1.4
7	14.2	23.5	18.6	84.8	17.83	15.7	0.0	0.0	0.0	3.6
8	15.0	24.8	19.4	80.4	17.76	15.6	0.0	0.0	0.0	7.0
9	16.0	22.3	18.6	81.4	17.39	15.3	0.0	0.0	0.0	
10	14.0	24.0	18.3	83.2	17.30	15.2	0.4	0.0	0.4	
11	13.6	24.2	19.3	81.2	16.14	16.0	0.0	0.0	0.0	4.9
12	16.0	25.3	18.7	82.6	17.74	15.6	0.4	0.0	0.4	3.1
13	15.4	24.8	19.5	85.9	19.51	17.1	0.0	0.0	0.0	2.0
14	16.0	22.0	18.0	86.9	18.23	16.1	0.0	0.0	0.0	0.3
15	15.0	22.5	18.1	89.1	18.45	16.2	0.7	0.0	0.7	4.0
16	15.2	23.5	18.2	85.0	18.09	15.9	26.7	0.0	26.7	2.9
17	13.2	26.5	19.7	80.5	18.40	16.2	1.5	0.5	2.0	7.4
18	16.0	24.5	18.4	83.9	18.26	16.1	12.4	0.0	12.4	1.8
19	13.0	25.0	19.9	79.4	18.04	15.8	0.0	0.0	0.0	3.8
20	16.0	23.8	18.5	84.5	18.02	15.8	0.0	0.0	0.0	3.8
21	15.5	25.7	19.8	83.7	19.03	16.7	1.4	0.0	1.4	5.4
22	15.0	25.3	20.3	78.5	18.27	16.0	0.0	0.0	0.0	5.3
23	16.8	24.0	19.3	82.3	18.71	16.4	0.5	0.0	0.5	7.7
24	16.2	23.7	18.0	90.7	18.69	16.4	6.0	0.3	6.3	2.0
25	15.0	25.3	18.6	84.5	17.97	15.8	0.0	0.0	0.0	5.5
26	16.2	22.0	18.7	89.6	19.32	17.0	1.0	1.8	2.8	3.0
27	15.2	24.4	17.6	87.3	17.86	15.8	0.0	11.9	11.9	4.0
28	15.0	23.0	18.4	83.7	17.58	15.5	0.0	9.6	9.6	3.0
29	13.8	24.8	19.1	80.6	17.63	15.5	0.0	57.5	57.5	6.5
30	14.8	23.3	18.9	80.6	17.23	15.1	0.0	0.6	0.6	4.7
PROM	14.9	23.9	18.6	83.9	17.96	15.8	79.5	96.7	176.2	

ESTACION: MANUEL MEJIA MUNICIPIO: TAMBO AÑO: 1.989

ALTITUD: 1.700 LATITUD: 2-24 N. LONGITUD: 76-48 W.

M E S - MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	23.5	17.6	87.6	18.37	16.1	6.0	18.5	24.5	0.4
2	14.0	22.2	17.7	84.7	17.29	15.2	0.5	2.3	2.8	1.7
3	14.5	23.0	18.1	82.8	17.25	15.2	0.0	20.4	20.4	1.0
4	14.0	22.2	17.0	78.7	15.34	13.4	0.0	0.4	0.4	1.8
5	14.2	24.5	17.5	84.1	16.95	14.9	1.9	21.2	23.1	4.7
6	14.4	21.8	17.4	85.2	16.75	14.7	0.0	0.0	0.0	0.5
7	15.0	23.5	18.2	83.5	17.60	15.5	0.2	28.2	28.4	4.5
8	14.6	24.2	17.9	80.1	16.41	14.4	0.7	0.6	1.3	3.8
9	14.8	24.8	18.5	78.0	16.71	14.7	0.0	0.0	0.0	6.4
10	15.8	21.0	17.0	89.0	17.66	15.5	1.6	0.0	1.6	2.7
11	11.5	24.6	18.7	79.7	16.64	14.5	0.0	0.0	0.0	9.9
12	13.5	24.0	18.5	81.1	17.46	15.4	0.0	37.4	37.4	5.6
13	14.8	19.8	16.0	92.6	17.22	15.1	5.5	0.0	5.5	0.6
14	13.5	23.2	17.3	85.1	16.64	14.6	0.2	0.0	0.2	5.1
15	13.8	23.5	18.0	84.3	17.57	15.5	0.0	0.0	0.0	4.3
16	13.0	24.3	18.1	80.0	16.26	14.3	0.0	0.0	0.0	6.2
17	14.8	24.4	19.2	78.6	17.52	15.4	0.0	0.0	0.0	4.5
18	12.8	24.5	18.7	85.9	18.44	16.2	0.5	0.0	0.5	3.6
19	16.0	24.8	18.6	80.8	17.63	15.5	5.9	0.0	5.9	5.5
20	13.7	26.2	21.1	66.6	16.36	14.2	0.0	0.0	0.0	8.9
21	14.0	25.5	19.3	74.8	16.30	14.3	0.0	0.0	0.0	9.5
22	13.8	26.3	21.2	59.4	14.73	12.7	0.0	0.0	0.0	7.2
23	16.0	23.9	19.7	76.9	17.43	15.3	0.8	0.1	0.9	1.8
24	16.2	23.5	18.5	86.7	18.83	16.6	2.0	0.0	2.0	3.6
25	16.7	22.5	17.8	86.0	18.03	15.9	8.2	0.0	8.2	2.4
26	13.8	23.2	18.2	85.0	17.47	15.3	0.0	0.0	0.0	3.0
27	14.6	25.8	19.9	74.3	17.16	15.1	0.0	2.9	2.9	8.5
28	15.4	24.0	18.9	83.8	18.36	16.1	0.0	0.0	0.0	4.1
29	15.6	23.5	18.9	82.4	17.97	15.8	0.9	0.0	0.9	2.0
30	16.5	24.3	19.8	82.6	19.07	16.6	0.0	0.0	0.0	5.1
31	14.5	24.1	19.8	81.8	18.59	16.3	0.0	0.0	0.0	6.4
PROM.	14.6	23.8	18.5	81.4	17.29	15.2	34.9	132.0	166.9	135.3

M E S - JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	23.8	19.2	86.1	19.09	16.8	0.3	0.7	1.0	2.6
2	15.5	24.2	18.3	83.8	17.63	15.5	7.5	1.0	8.5	4.6
3	13.7	22.0	17.7	86.5	18.06	15.9	0.5	0.0	0.5	2.6
4	13.8	24.6	18.6	84.8	18.12	15.9	1.3	0.0	1.3	3.1
5	14.8	23.4	18.7	84.9	18.37	16.2	0.0	0.0	0.0	3.6
6	15.8	24.0	18.4	82.5	17.58	15.5	17.3	0.3	17.6	5.5
7	14.8	23.0	18.3	86.8	18.19	16.0	11.2	0.0	11.2	3.7
8	15.0	23.2	18.3	91.3	19.41	17.0	0.2	1.5	1.7	2.8
9	16.0	23.1	18.1	89.5	18.65	16.4	2.9	3.4	6.3	6.1
10	15.9	23.9	18.1	90.2	19.03	16.7	4.3	0.1	4.4	5.0
11	15.0	22.1	17.9	87.6	18.26	16.1	1.1	0.0	1.1	2.0
12	15.2	20.8	17.8	89.6	18.49	16.2	4.1	0.0	4.1	1.4
13	14.0	24.0	17.2	89.4	17.83	15.6	0.0	0.0	0.0	4.0
14	13.5	24.9	19.0	78.2	17.21	15.1	0.0	0.0	0.0	3.6
15	13.0	24.6	18.2	81.6	16.88	14.8	1.0	0.2	1.2	7.4
16	15.0	24.5	19.7	75.0	17.08	15.0	0.0	0.0	0.0	6.1
17	13.2	25.0	18.8	73.6	15.64	13.6	0.1	0.0	0.1	6.0
18	15.0	21.2	17.8	89.1	18.25	16.1	0.7	0.0	0.7	1.8
19	14.8	22.6	17.2	90.5	18.14	15.9	3.0	0.0	3.0	1.6
20	15.8	23.2	17.8	83.9	17.31	15.2	2.3	0.0	2.3	4.7
21	13.8	23.0	18.5	84.1	16.06	15.9	0.3	0.0	0.3	
22	15.0	21.4	17.0	90.6	17.73	15.6	3.0	0.0	3.0	
23	13.0	22.3	17.6	86.7	17.83	15.7	10.8	0.3	11.1	3.1
24	14.8	23.0	18.5	84.6	17.71	15.6	0.2	3.8	4.0	2.8
25	12.6	20.2	15.7	90.7	16.34	14.4	2.8	0.5	3.3	1.8
26	13.5	22.8	17.8	82.0	17.04	15.0	0.3	0.1	0.4	4.6
27	14.7	22.5	17.2	84.2	16.71	14.7	0.2	0.0	0.2	2.5
28	14.2	25.3	18.5	77.7	16.45	14.5	0.0	0.0	0.0	6.4
29	13.0	24.8	17.1	81.6	16.09	14.1	0.5	2.9	3.4	7.4
30	14.2	24.2	18.2	83.5	17.53	15.4	0.5	0.0	0.5	2.1
PROM	14.5	23.3	18.0	85.0	17.69	15.5	76.4	14.8	91.2	

ESTACION: MANUEL MEJIA MUNICIPIO: TAMBO AÑO: 1.969

ALTITUD: 1.700 LATITUD: 2-24 N. LONGITUD: 76-48 W.

M E S – JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.5	22.5	18.1	81.2	16.95	14.9	0.3	0.0	0.3	3.0
2	13.5	23.4	18.8	56.0	11.91	9.5	0.0	0.0	0.0	5.4
3	10.5	25.0	18.8	56.6	12.07	9.7	0.0	0.0	0.0	7.7
4	9.8	25.2	17.9	73.8	15.02	13.0	0.0	0.0	0.0	5.9
5	14.5	25.0	18.9	75.2	16.19	14.2	0.0	1.1	1.1	4.2
6	13.0	24.4	18.9	69.9	14.81	12.8	0.0	0.0	0.0	6.7
7	11.4	24.8	18.2	72.0	14.40	12.2	0.0	0.0	0.0	
8	11.0	23.2	17.2	68.6	13.10	10.9	0.0	0.0	0.0	
9	11.5	25.2	17.9	63.4	12.57	10.4	0.0	0.0	0.0	
10	8.5	26.0	19.0	56.1	11.43	8.9	0.0	0.0	0.0	9.4
11	10.0	25.6	19.8	51.1	11.58	9.1	0.0	0.0	0.0	8.3
12	16.5	25.5	20.9	46.2	11.43	8.9	0.0	0.0	0.0	9.4
13	13.4	25.3	19.8	58.2	12.92	10.8	0.1	0.0	0.1	6.6
14	13.5	26.2	20.9	58.4	13.80	11.8	0.0	0.0	0.0	10.8
15	15.5	27.2	22.5	48.4	13.57	11.5	0.0	0.0	0.0	10.7
16	14.5	25.3	20.0	61.7	14.60	12.5	0.0	0.0	0.0	7.0
17	10.0	24.2	19.2	57.3	12.10	9.7	0.0	0.0	0.0	7.8
18	10.5	24.8	19.8	62.8	13.63	11.6	0.0	0.0	0.0	6.3
19	13.5	23.4	18.5	81.4	17.04	15.0	0.5	0.0	0.5	4.0
20	12.8	21.5	17.6	84.9	17.18	15.1	1.3	0.2	1.5	0.3
21	14.0	21.6	17.3	92.1	18.42	16.2	2.8	0.6	3.4	1.5
22	15.0	23.0	17.5	84.7	17.22	15.1	0.0	0.0	0.0	1.0
23	13.8	24.8	18.1	82.4	17.04	15.0	1.9	1.1	3.0	3.2
24	14.5	24.2	18.2	80.2	16.94	14.9	0.0	1.7	1.7	8.2
25	13.5	25.0	18.2	78.3	16.32	14.3	11.5	4.3	15.8	
26	13.2	23.0	17.2	85.6	17.19	15.1	9.9	0.2	10.1	4.9
27	15.0	24.0	18.6	81.8	17.61	15.5	0.0	0.0	0.0	7.7
28	14.0	23.0	19.0	80.0	17.15	15.1	0.0	0.0	0.0	4.5
29	13.5	24.8	19.1	75.6	16.45	14.4	0.0	0.0	0.0	7.6
30	15.0	25.0	19.8	77.7	18.32	16.1	6.8	0.0	6.8	1.6
31	15.8	25.1	19.0	83.5	18.52	16.3	5.4	0.0	5.4	6.1
PROM.	13.1	24.4	18.9	70.5	15.08	12.9	40.5	9.2	49.7	

M E S – AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	24.0	19.1	81.3	17.85	15.7	0.0	0.0	0.0	3.3
2	11.5	25.0	19.4	65.9	14.34	12.3	0.0	0.0	0.0	6.1
3	10.5	24.6	18.2	61.8	12.04	9.6	0.0	0.0	0.0	8.8
4	8.6	26.0	20.1	61.0	13.53	11.4	0.0	0.0	0.0	6.8
5	14.0	25.8	20.1	59.5	13.98	11.9	0.0	0.0	0.0	5.5
6	13.5	25.4	19.2	63.8	14.48	12.6	0.0	0.0	0.0	5.6
7	9.5	27.2	19.7	65.8	14.34	12.3	0.0	0.0	0.0	9.9
8	11.0	26.8	20.5	71.2	16.56	14.5	0.0	0.0	0.0	9.0
9	11.2	23.2	17.2	90.3	17.47	15.3	9.0	0.3	9.3	3.7
10	9.0	25.2	18.4	81.0	16.97	14.9	2.9	0.0	2.9	6.1
11	13.5	24.8	18.8	72.2	15.10	13.1	0.0	0.0	0.0	4.8
12	10.0	25.0	19.5	61.2	12.80	10.6	0.0	0.0	0.0	6.5
13	13.5	24.2	19.7	72.8	16.70	14.7	0.1	0.0	0.1	3.9
14	14.8	24.4	18.8	82.3	17.77	15.6	0.5	0.0	0.5	
15	13.0	25.9	19.9	64.6	14.05	12.0	0.0	0.0	0.0	
16	14.6	24.0	19.1	78.2	17.24	15.1	4.1	0.0	4.1	3.3
17	12.0	25.5	20.0	63.4	13.54	11.4	0.0	0.0	0.0	8.1
18	12.2	26.5	19.8	63.4	13.60	11.5	0.0	0.0	0.0	9.1
19	10.0	24.5	18.3	72.8	14.49	12.5	0.0	0.0	0.0	4.0
20	13.8	23.6	17.4	82.5	16.65	14.6	0.6	0.0	0.6	3.7
21	12.6	25.8	17.6	83.8	16.83	14.8	17.2	0.9	18.1	3.7
22	13.0	25.2	18.0	74.0	15.25	13.3	0.0	0.0	0.0	5.3
23	15.0	24.5	18.2	81.8	17.15	15.1	0.0	0.0	0.0	2.6
24	14.0	25.5	18.6	76.3	15.91	13.9	0.0	0.0	0.0	5.3
25	10.0	24.2	17.4	77.0	14.72	12.6	0.3	0.0	0.3	5.2
26	13.5	22.5	17.8	80.2	16.15	14.2	0.0	0.0	0.0	3.7
27	13.0	25.6	18.4	75.4	15.73	13.8	0.0	0.0	0.0	1.1
28	13.8	23.2	18.2	80.8	16.97	14.9	0.0	0.0	0.0	2.0
29	14.0	21.8	18.0	82.4	17.09	15.0	0.0	4.1	4.1	0.2
30	15.0	23.2	17.8	81.6	16.51	14.5	3.1	0.0	3.1	0.7
31	14.8	22.4	18.3	84.7	17.60	15.5	0.0	0.0	0.0	0.9
PROM	12.6	24.7	18.8	74.0	15.59	13.5	37.8	5.3	43.1	

ESTACION: MANUEL MEJIA MUNICIPIO: TAMBO AÑO: 1.989

ALTITUD: 1.700 LATITUD: 2-24 N. LONGITUD: 76-48 W.

M E S - SEPTIEMBRE

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	11.8	27.0	20.7	68.7	15.57	13.5	0.0	0.0	0.0	7.4
2	12.0	25.1	19.7	58.7	13.27	11.1	0.0	0.0	0.0	6.0
3	9.5	27.2	17.3	79.5	15.49	13.4	10.1	27.3	37.4	7.0
4	14.8	23.0	18.6	83.2	17.82	15.7	8.4	26.3	34.7	2.9
5	15.0	20.0	16.9	91.8	17.75	15.6	10.2	2.2	12.4	0.1
6	14.9	22.5	17.5	83.4	16.89	14.9	1.6	0.0	1.6	0.5
7	15.0	23.0	18.3	89.9	18.90	16.6	16.9	0.0	16.9	3.0
8	9.2	21.6	17.6	84.0	16.82	14.8	0.1	0.0	0.1	2.4
9	13.5	23.0	17.5	84.2	16.89	14.8	0.3	0.0	0.3	3.9
10	14.0	24.5	18.2	81.1	16.98	14.9	0.0	0.0	0.0	3.5
11	15.2	25.5	20.3	73.7	17.35	15.3	1.6	0.0	1.6	7.2
12	14.5	26.5	18.9	80.9	17.94	15.8	0.1	0.0	0.1	6.2
13	15.0	24.5	18.4	77.5	16.33	14.3	0.2	0.0	0.2	3.6
14	15.5	24.8	19.3	78.7	17.50	15.4	1.1	0.0	1.1	6.5
15	13.0	25.5	19.4	67.6	14.60	12.6	0.0	0.0	0.0	2.8
16	13.2	26.2	20.2	58.7	13.45	11.3	0.0	0.0	0.0	7.9
17	13.4	24.4	20.0	74.9	17.08	15.0	0.0	0.0	0.0	6.9
18	10.8	23.5	18.8	77.0	16.29	14.3	0.0	0.0	0.0	4.6
19	13.5	24.0	17.8	83.0	16.82	14.8	0.0	0.3	0.3	3.8
20	15.0	22.3	17.2	86.8	17.35	15.3	20.4	0.3	20.7	0.3
21	14.0	23.2	17.9	78.2	15.98	14.0	6.5	6.1	12.6	3.1
22	15.2	22.8	17.4	82.1	16.73	14.7	3.7	0.1	3.8	2.7
23	13.0	25.5	18.4	80.4	17.08	15.0	0.0	0.0	0.0	4.1
24	12.8	23.0	19.0	79.8	17.38	15.2	0.0	0.0	0.0	5.2
25	12.9	24.4	16.4	89.0	16.65	14.6	10.0	0.2	10.2	4.0
26	14.0	21.6	17.2	84.8	16.85	14.8	3.4	0.1	3.5	1.3
27	15.0	23.0	18.6	77.7	16.96	14.9	0.1	0.0	0.1	5.2
28	15.5	22.8	17.7	85.2	17.56	15.5	0.2	0.0	0.2	1.2
29	13.5	25.0	19.1	78.6	16.94	14.9	0.0	0.0	0.0	5.9
30	14.8	26.3	19.6	67.6	15.13	13.1	0.0	0.0	0.0	7.6
PROM.	13.7	24.1	18.5	78.9	16.61	14.5	94.9	62.9	157.8	126.8

M E S - OCTUBRE

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	12.0	24.5	19.4	70.7	15.40	13.4	0.4	0.0	0.4	4.3
2	15.0	23.5	18.1	78.3	16.40	14.4	0.0	0.0	0.0	2.7
3	14.5	25.4	18.5	79.2	16.58	14.5	1.2	4.4	5.6	5.0
4	14.6	23.0	17.1	81.5	15.95	14.0	3.4	0.0	3.4	3.6
5	14.0	22.8	17.6	79.3	15.93	14.0	0.0	0.0	0.0	1.6
6	12.5	24.0	19.4	66.8	14.74	12.6	0.0	0.0	0.0	5.0
7	13.0	23.0	16.7	89.6	17.01	14.9	4.8	0.0	4.8	3.8
8	12.0	24.0	17.4	82.2	16.22	14.2	1.5	2.4	3.9	3.5
9	14.8	23.5	18.5	82.8	17.67	15.5	0.0	6.1	6.1	4.0
10	15.0	23.0	17.6	86.8	17.45	15.4	0.0	15.1	15.1	1.6
11	14.5	22.5	17.4	82.2	16.40	14.4	2.8	0.0	2.8	1.3
12	14.2	21.0	16.7	89.0	16.92	14.9	2.5	0.4	2.9	1.5
13	15.0	22.5	16.4	92.9	17.29	15.2	20.8	0.0	20.8	0.9
14	15.2	23.0	17.9	83.3	17.37	15.3	0.4	0.3	0.7	4.5
15	14.6	22.6	17.1	84.7	16.90	14.8	1.2	0.0	1.2	3.4
16	13.5	26.0	20.0	80.6	16.36	14.1	0.0	0.0	0.0	6.7
17	16.0	25.0	19.5	81.4	16.76	16.5	1.7	0.0	1.7	4.5
18	14.5	23.8	19.0	84.8	16.59	16.3	0.0	0.0	0.0	6.3
19	16.0	24.0	18.7	86.7	16.68	16.4	1.3	0.0	1.3	4.5
20	11.0	24.5	18.5	73.8	15.64	13.7	0.0	0.0	0.0	5.9
21	13.0	23.2	17.9	81.7	16.84	14.8	4.7	0.1	4.8	5.3
22	15.0	24.0	17.3	83.3	16.76	14.7	1.3	28.8	30.1	4.5
23	14.7	23.8	18.1	83.3	17.30	15.2	2.8	20.1	22.9	3.3
24	15.0	24.8	18.0	82.0	17.09	15.0	1.1	0.1	1.2	4.4
25	14.0	24.2	18.1	86.5	16.01	15.8	0.6	24.5	25.1	3.6
26	14.3	23.5	17.9	87.4	16.17	16.0	35.7	6.9	42.6	3.3
27	16.0	23.6	17.9	87.0	16.06	15.9	18.5	1.2	19.7	2.6
28	15.8	23.0	18.2	91.2	15.26	16.9	0.5	0.0	0.5	2.7
29	15.4	25.0	18.4	86.7	15.14	16.8	1.8	0.7	2.5	1.0
30	15.0	23.2	19.0	84.7	16.66	16.4	0.7	0.1	0.8	4.5
31	16.0	25.2	18.8	81.7	16.05	15.9	1.0	6.6	7.6	4.0
PROM	14.4	23.7	18.1	83.0	17.28	15.2	110.7	117.8	228.5	113.8

ESTACION: MANUEL MEJIA MUNICIPIO: TAMBO AÑO: 1.969

ALTITUD: 1.700 LATITUD: 2-24 N. LONGITUD: 76-48 W.

M E S - NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.8	23.7	18.3	82.5	17.35	15.3	0.0	11.0	11.0	5.8
2	15.2	21.5	18.1	88.2	16.38	16.2	5.9	8.9	14.8	0.9
3	15.7	21.4	17.9	90.6	16.93	16.6	10.0	18.9	28.9	2.1
4	14.2	23.6	18.2	80.5	16.90	14.9	0.0	0.0	0.0	3.8
5	15.0	23.5	18.0	87.5	16.24	16.1	8.6	0.1	8.7	2.8
6	16.0	23.0	17.4	90.2	16.36	16.1	0.3	3.9	4.2	2.3
7	14.0	22.0	18.1	84.0	17.47	15.3	0.0	2.8	2.8	2.8
8	15.2	21.5	18.3	85.1	17.80	15.7	0.2	0.0	0.2	0.6
9	15.0	24.2	18.2	80.4	16.95	14.9	3.1	0.1	3.2	
10	15.1	23.2	18.6	80.2	17.10	15.1	0.0	0.0	0.0	
11	14.8	21.0	15.7	89.4	16.14	14.1	25.0	0.0	25.0	
12	13.2	22.3	17.5	79.5	16.05	14.0	1.5	2.1	3.6	
13	15.0	23.4	18.5	85.1	16.13	16.0	1.1	8.6	9.7	2.5
14	15.1	23.0	19.5	83.6	16.02	16.7	2.1	29.6	31.7	4.0
15	14.5	24.8	17.9	87.3	16.67	16.4	13.0	0.0	13.0	6.8
16	15.6	25.5	18.8	80.1	17.20	15.1	0.7	4.5	5.2	6.7
17	16.0	22.0	18.6	88.0	16.91	16.6	6.3	0.2	6.5	1.0
18	15.2	24.5	18.8	82.2	17.62	15.5	0.1	0.0	0.1	2.6
19	16.0	24.0	19.7	81.2	16.59	16.4	0.0	0.0	0.0	5.1
20	16.2	25.0	19.9	78.2	16.48	16.2	0.0	41.6	41.6	5.9
21	15.6	23.0	18.0	82.7	17.04	15.0	10.7	1.0	11.7	1.6
22	14.5	23.0	19.1	81.5	17.86	15.7	1.1	0.0	1.1	0.6
23	16.2	22.0	19.1	85.0	16.63	16.4	0.0	0.0	0.0	1.2
24	16.4	23.0	19.6	73.9	16.74	14.7	0.0	0.0	0.0	3.4
25	13.0	24.2	18.8	82.8	17.78	15.6	0.2	0.0	0.2	2.5
26	15.0	24.8	19.0	81.7	16.26	16.1	0.2	0.0	0.2	7.3
27	14.8	25.2	20.2	77.9	17.96	15.7	0.0	0.0	0.0	
28	16.0	22.4	19.4	84.9	19.09	16.8	0.0	0.0	0.0	
29	16.2	24.0	18.4	77.2	16.44	14.4	1.2	12.0	13.2	6.3
30	14.6	21.2	17.6	86.7	17.42	15.3	0.4	0.3	0.7	4.3
PROM.	15.1	23.2	18.5	83.3	17.78	15.6	91.7	145.6	237.3	

M E S - DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.0	23.0	17.5	85.4	17.15	15.1	13.0	8.5	21.5	5.1
2	14.9	21.7	17.4	84.0	16.92	14.9	9.2	4.4	13.6	3.0
3	15.0	23.0	17.5	83.7	17.03	15.0	3.0	0.0	3.0	5.1
4	14.9	22.2	17.8	82.8	16.87	14.8	0.3	0.5	0.8	2.5
5	15.5	24.5	18.1	82.0	17.35	15.2	2.7	0.0	2.7	6.3
6	13.0	25.2	17.4	82.2	16.43	14.4	11.5	0.0	11.5	6.8
7	14.2	24.4	18.5	86.7	16.77	16.5	0.4	0.0	0.4	6.1
8	14.0	24.5	18.8	79.8	17.12	15.0	0.0	0.0	0.0	8.0
9	15.0	22.8	18.8	82.3	17.72	15.6	0.0	10.8	10.8	3.0
10	15.6	22.5	18.4	89.4	19.05	16.7	3.0	0.0	3.0	3.1
11	15.8	23.5	18.4	86.2	16.48	16.2	6.1	0.0	6.1	3.6
12	16.0	23.0	18.6	85.9	16.57	16.3	11.5	3.1	14.6	2.2
13	15.8	23.2	18.1	86.7	16.33	16.1	37.5	0.0	37.5	2.4
14	16.2	22.0	18.5	89.4	19.19	16.8	0.0	0.0	0.0	2.0
15	15.3	23.5	19.6	78.9	18.01	15.8	0.1	0.0	0.1	6.2
16	14.0	22.5	17.9	80.2	16.62	14.6	10.7	1.0	11.7	5.7
17	15.0	24.0	18.6	81.9	17.45	15.3	2.4	0.0	2.4	6.4
18	15.6	24.5	19.0	83.7	18.34	16.2	0.0	0.0	0.0	7.5
19	15.0	24.3	19.1	78.9	17.26	15.2	0.0	0.0	0.0	6.2
20	14.2	23.8	18.0	84.7	17.58	15.5	10.3	0.1	10.4	5.1
21	15.0	25.6	18.1	78.6	16.50	14.5	4.8	7.4	12.2	6.7
22	16.0	24.2	19.0	79.2	17.49	15.4	15.7	0.1	15.8	7.6
23	15.7	24.0	19.1	79.4	17.52	15.4	0.0	0.0	0.0	9.0
24	15.5	23.2	18.2	85.2	17.92	15.8	6.7	65.4	72.1	5.4
25	15.6	19.5	16.3	91.7	17.30	15.2	1.5	23.2	24.7	1.6
26	13.6	21.9	17.0	87.9	17.06	15.0	1.8	33.4	35.2	5.9
27	13 8	20.5	15.8	87.2	15.65	13.7	1.7	24.1	25.8	3.3
28							0.5	4.6	5.1	0.0
29							0.0	0.4	0.4	7.0
30							0.1	0.6	0.7	7.3
31							0.0	0.0	0.0	5.2
PROM							154.5	187.6	342.1	155.3

ESTACION: MANUEL MEJIA MUNICIPIO: TAMBO AÑO: 1.989

ALTITUD: 1.700 LATITUD: 2- 24 N. LONGITUD 76-48 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	15.2	22.5	17.9	13.5	24.3	84.6	17.39	15.3	200.3	21	
FEBRERO	15.1	22.5	18.1	13.4	24.9	84.5	17.49	15.4	163.9	20	
MARZO	14.2	23.6	18.2	10.8	25.8	79.7	16.52	14.5	157.3	19	161.1
ABRIL	14.9	23.9	18.6	12.4	26.5	83.9	17.96	15.8	176.2	18	
MAYO	14.6	23.8	18.5	11.5	26.3	81.4	17.29	15.2	166.9	18	135.3
JUNIO	14.5	23.3	18.0	12.6	25.3	85.0	17.69	15.5	91.2	25	
JULIO	13.1	24.4	18.9	8.5	27.2	70.5	15.08	12.9	49.7	12	
AGOSTO	12.6	24.7	18.8	8.6	27.2	74.0	15.59	13.5	43.1	10	
SEPTIEMBRE	13.7	24.1	18.5	9.2	27.2	78.9	16.61	14.5	157.8	19	126.8
OCTUBRE	14.4	23.7	18.1	11.0	26.0	83.0	17.28	15.2	228.5	25	113.8
NOVIEMBRE	15.1	23.2	18.5	13.0	25.5	83.3	17.78	15.6	237.3	23	
DICIEMBRE									342.1	25	155.3
PROMEDIO											
TOTAL									2014.3	235	

ESTACION: PUEBLO BELLO MUNICIPIO: PUEBLO BELLO AÑO: 1.989

ALTITUD: 1.000 LATITUD: 10-22 N. LONGITUD: 73-38 W.

M E S – ENERO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	26.8	21.0	79.5	19.69	17.2	0.0	0.0	0.0	5.5
2	16.8	25.8	21.0	80.0	19.57	17.2	0.0	0.0	0.0	2.5
3	15.8	27.2	21.4	79.5	19.90	17.4	0.0	0.0	0.0	7.3
4	14.6	27.0	20.7	77.8	18.52	16.2	0.0	0.0	0.0	9.1
5	14.7	27.8	20.8	79.2	19.15	16.8	0.0	0.0	0.0	9.4
6	13.8	27.3	20.0	79.4	18.40	16.2	0.0	0.0	0.0	9.8
7	12.8	28.1	19.5	74.5	16.23	14.2	0.0	0.0	0.0	9.7
8	12.0	28.2	18.2	70.0	13.65	11.4	0.0	0.0	0.0	9.8
9	10.8	28.8	21.4	66.9	16.08	13.5	0.0	0.0	0.0	9.9
10	13.0	28.1	20.8	73.6	17.02	14.8	0.0	0.0	0.0	9.6
11	12.0	27.2	20.5	74.0	16.61	14.3	0.0	3.0	3.0	
12	14.6	27.0	20.5	79.9	19.18	16.7	0.0	0.0	0.0	1.0
13	13.8	28.4	21.5	80.0	19.71	17.0	0.0	0.0	0.0	4.6
14	15.0	27.4	19.8	76.3	17.46	15.4	0.0	0.0	0.0	9.6
15	13.4	27.5	20.8	76.1	18.07	15.8	0.0	0.0	0.0	8.7
16	14.0	30.0	22.0	75.3	18.94	16.5	0.0	0.0	0.0	10.0
17	14.6	29.0	20.8	80.4	19.56	17.0	0.0	0.0	0.0	9.9
18	14.0	28.0	21.1	76.7	18.42	16.1	0.0	0.0	0.0	9.2
19	14.6	28.2	21.0	77.6	18.62	16.3	0.0	0.0	0.0	9.9
20	14.0	28.6	21.6	75.2	18.31	16.0	0.0	0.0	0.0	8.4
21	14.1	30.1	23.0	75.6	19.97	17.2	0.0	0.0	0.0	8.5
22	15.7	29.4	22.6	77.8	20.85	18.0	0.0	0.0	0.0	6.1
23	17.8	28.4	22.4	75.7	20.11	17.6	0.0	0.0	0.0	4.6
24	16.8	28.0	21.1	76.0	18.60	16.4	0.0	0.0	0.0	4.1
25	13.4	27.4	20.2	70.0	15.60	13.6	0.0	0.0	0.0	8.9
26	13.0	28.2	20.8	70.7	16.15	14.1	0.0	0.0	0.0	9.2
27	10.0	28.8	20.3	66.1	14.54	12.4	0.0	0.0	0.0	9.7
28	12.2	28.4	21.0	67.5	15.47	13.4	0.0	0.0	0.0	9.1
29	12.0	27.8	19.9	68.3	14.50	12.3	0.0	0.0	0.0	8.8
30	11.8	28.5	19.5	66.3	14.07	12.1	0.0	0.0	0.0	9.0
31	12.8	28.2	20.6	68.4	15.81	13.8	0.0	0.0	0.0	6.2
PROM.	13.9	28.1	20.8	74.7	17.70	15.4	0.0	3.0	3.0	

M E S – FEBRERO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	13.7	28.4	20.5	66.8	15.46	13.5	0.0	0.0	0.0	8.9
2	13.1	28.5	20.1	61.9	13.47	11.3	0.0	0.0	0.0	9.0
3	11.8	27.2	19.5	64.3	13.86	11.8	0.0	0.0	0.0	5.2
4	13.2	27.6	20.4	67.4	15.15	13.1	0.0	0.0	0.0	9.6
5	11.7	28.4	20.2	67.2	14.60	12.6	0.0	0.0	0.0	8.3
6	12.0	29.4	21.6	71.5	17.36	15.2	0.0	0.0	0.0	9.3
7	15.4	28.4	21.1	73.1	17.73	15.6	0.0	0.0	0.0	9.4
8	13.8	29.0	20.9	66.1	15.25	13.3	0.0	0.0	0.0	9.8
9	12.4	28.6	19.8	66.3	14.51	12.5	0.0	0.0	0.0	9.7
10	11.2	29.0	20.0	63.5	13.71	11.6	0.0	0.0	0.0	9.6
11	11.8	28.4	20.6	68.5	15.68	13.6	0.0	0.0	0.0	9.6
12	12.4	28.5	20.5	68.4	15.26	13.2	0.0	0.0	0.0	
13	13.0	29.2	21.6	70.3	16.90	14.6	0.0	0.0	0.0	9.6
14	12.8	31.0	21.7	59.7	13.38	11.1	0.0	0.0	0.0	10.0
15	12.0	30.0	20.6	62.1	14.17	11.8	0.0	0.0	0.0	9.4
16	11.7	27.8	19.3	69.6	14.56	12.3	0.0	0.0	0.0	8.4
17	12.5	28.0	20.9	66.9	15.40	13.3	0.0	0.0	0.0	7.6
18	12.0	29.5	20.8	69.6	15.64	13.4	0.0	0.0	0.0	9.4
19	14.0	30.2	22.3	72.4	18.18	15.8	0.0	0.0	0.0	7.7
20	16.8	29.8	21.5	74.7	19.03	16.7	0.0	0.0	0.0	5.6
21	16.4	29.2	22.0	74.2	19.33	16.9	0.0	0.0	0.0	5.7
22	15.2	29.6	20.5	75.1	17.86	15.7	0.0	10.0	10.0	4.2
23	14.7	28.2	21.2	75.2	18.17	15.9	45.1	2.0	47.1	4.5
24	18.0	25.4	21.0	80.7	19.99	17.5	0.0	0.0	0.0	3.1
25	17.9	26.0	20.0	81.5	19.24	16.9	2.0	0.0	2.0	4.3
26	15.4	25.2	19.5	81.5	18.25	16.0	20.3	0.0	20.3	4.7
27	18.0	28.8	22.8	75.0	20.49	17.9	0.0	0.0	0.0	8.9
28	16.2	31.0	22.3	74.1	19.21	16.7	0.0	0.0	0.0	7.9
PROM	13.9	28.6	20.8	70.3	16.49	14.3	67.4	12.0	79.4	

ESTACION: PUEBLO BELLO **MUNICIPIO:** PUEBLO BELLO **AÑO:** 1.989

ALTITUD: 1.000 **LATITUD:** 10-22 N. **LONGITUD:** 73-38 W.

M E S — MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	31.2	23.9	75.1	20.94	17.9	0.0	0.0	0.0	9.1
2	16.1	29.5	23.3	77.6	21.26	18.3	0.0	0.0	0.0	7.2
3	15.7	30.0	23.1	71.6	19.13	16.6	0.0	0.0	0.0	5.5
4	16.0	29.1	22.4	76.8	19.91	17.3	0.0	0.0	0.0	7.4
5	17.0	27.0	20.4	75.8	17.94	15.8	0.0	1.3	1.3	7.2
6	13.4	27.2	21.3	76.9	18.76	16.4	0.0	0.0	0.0	3.1
7	15.6	28.2	20.6	78.3	18.63	16.4	2.1	0.0	2.1	3.7
8	16.4	25.5	21.3	82.0	20.31	17.7	0.0	0.0	0.0	4.2
9	17.2	25.2	20.2	87.5	20.66	18.0	1.5	0.0	1.5	0.2
10	17.8	24.7	20.6	81.0	19.63	17.2	1.3	0.0	1.3	4.1
11	18.0	25.0	20.3	84.2	20.08	17.6	2.3	0.0	2.3	5.2
12	17.8	23.4	19.5	83.0	18.89	16.6	0.0	0.0	0.0	2.7
13	17.0	24.2	20.6	83.0	20.05	17.6	0.0	0.0	0.0	3.6
14	14.8	25.4	20.3	79.1	18.31	16.1	0.0	0.0	0.0	4.3
15	15.7	25.8	20.8	77.8	18.54	16.3	0.0	0.0	0.0	5.7
16	14.2	26.0	20.0	80.1	18.24	16.0	1.1	0.0	1.1	3.5
17	16.3	25.0	20.4	81.1	19.19	16.8	0.3	0.0	0.3	5.0
18	17.2	25.9	20.2	78.4	18.51	16.3	0.0	0.0	0.0	3.2
19	16.0	24.7	20.5	78.7	18.71	16.4	0.4	2.1	2.5	4.4
20	17.5	24.8	20.5	77.0	18.34	16.1	0.0	0.0	0.0	6.6
21	15.4	25.5	20.8	74.1	17.33	15.1	0.0	0.0	0.0	9.4
22	13.5	27.0	20.4	72.9	16.51	14.4	0.0	0.0	0.0	8.4
23	13.0	27.1	20.7	75.8	17.46	15.1	0.0	0.0	0.0	6.1
24	12.9	28.2	22.4	70.3	17.40	14.8	0.0	0.0	0.0	7.2
25	13.8	27.8	21.8	71.7	17.34	14.9	0.0	0.0	0.0	5.5
26	13.4	27.0	21.2	70.7	16.78	14.5	0.0	0.0	0.0	5.3
27	14.0	27.2	21.6	68.1	16.42	14.4	0.0	0.0	0.0	4.6
28	14.8	27.0	20.4	74.9	17.20	15.0	0.0	0.0	0.0	4.5
29	15.0	24.6	19.4	76.8	16.90	14.8	0.0	0.0	0.0	4.9
30	13.5	25.8	20.0	75.7	16.99	14.8	0.0	0.0	0.0	7.6
31	15.6	26.5	20.8	75.4	17.98	15.8	0.1	0.0	0.1	8.3
PROM.	15.5	26.5	21.0	77.1	18.53	16.2	9.1	3.4	12.5	167.7

M E S — ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	27.0	20.3	72.8	17.01	15.0	0.0	0.0	0.0	6.5
2	13.8	28.0	21.7	67.9	16.26	14.2	0.0	0.0	0.0	6.0
3	14.0	27.9	22.5	74.2	18.84	16.3	0.0	0.0	0.0	2.2
4	15.1	29.0	23.1	73.2	19.35	16.7	0.0	0.0	0.0	7.9
5	15.0	29.4	21.4	77.9	19.14	16.7	0.0	0.0	0.0	8.9
6	18.0	26.8	23.1	77.9	21.25	18.4	0.0	0.0	0.0	5.0
7	16.0	29.0	23.0	77.0	20.68	17.9	0.0	0.0	0.0	6.4
8	14.6	29.8	23.8	65.4	17.72	15.5	0.0	0.0	0.0	8.3
9	13.0	30.1	23.7	69.7	19.09	16.5	0.0	0.0	0.0	6.1
10	16.0	30.4	23.2	71.4	18.91	16.5	0.0	0.0	0.0	5.1
11	16.7	30.7	24.2	68.5	19.79	17.2	0.0	0.0	0.0	4.3
12	18.7	29.7	23.2	75.0	21.10	18.4	0.0	0.0	0.0	4.2
13	16.2	30.0	22.7	75.2	20.02	17.5	0.0	0.0	0.0	6.7
14	15.4	29.9	22.7	73.4	19.54	17.1	0.0	0.0	0.0	7.4
15	15.7	30.8	23.3	72.9	19.61	17.0	0.0	0.0	0.0	6.3
16	17.0	30.7	23.7	72.2	19.83	17.3	0.0	0.0	0.0	8.5
17	16.8	30.6	23.4	71.8	19.52	17.1	0.0	0.0	0.0	7.3
18	12.0	30.8	22.4	68.4	17.08	14.9	0.0	0.0	0.0	8.7
19	13.7	30.9	23.1	67.5	17.45	15.2	0.0	0.0	0.0	5.8
20	16.0	30.1	23.0	67.7	18.23	16.0	0.0	10.1	10.1	4.0
21	16.7	28.4	21.3	78.9	19.57	17.1	0.0	11.1	11.1	2.5
22	16.8	27.3	21.5	82.7	21.20	18.4	0.1	0.0	0.1	6.0
23	16.0	28.1	20.2	83.4	20.06	17.5	18.6	85.4	104.0	4.1
24	17.2	27.4	21.3	76.8	19.02	16.7	1.4	0.0	1.4	6.0
25	17.5	26.6	20.8	78.7	19.13	16.8	0.0	0.0	0.0	4.1
26	17.0	24.6	20.0	82.3	19.18	16.8	0.0	0.0	0.0	
27	16.8	27.1	21.0	78.1	19.15	16.8	0.0	0.0	0.0	4.0
28	17.0	27.6	21.3	77.7	19.44	17.0	0.0	0.2	0.2	
29	16.5	27.3	21.1	76.1	18.65	16.3	0.0	0.0	0.0	
30	16.0	26.8	21.4	76.7	19.11	16.7	0.0	0.0	0.0	
PROM	15.9	28.8	22.2	74.4	19.16	16.7	20.1	106.8	126.9	

ESTACION: PUEBLO BELLO MUNICIPIO: PUEBLO BELLO AÑO: 1.989

ALTITUD: 1.000 LATITUD: 10-22 N. LONGITUD: 73-38 W.

M E S - MAYO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	25.8	19.9	80.9	19.27	16.9	1.4	0.0	1.4	
2	19.5	24.8	19.0	83.3	19.35	16.9	1.0	0.0	1.0	
3	18.0	27.2	21.4	78.5	19.83	17.4	0.0	0.0	0.0	
4	15.8	28.0	21.3	79.7	19.66	17.2	0.0	0.0	0.0	5.1
5	16.8	29.0	22.3	79.2	20.93	18.2	0.0	2.0	2.0	5.7
6	16.0	27.2	21.8	77.9	20.00	17.5	0.0	0.0	0.0	4.2
7	17.8	26.4	20.6	81.0	19.76	17.3	75.0	0.0	75.0	4.5
8	17.8	21.5	20.0	88.9	20.76	18.1	10.4	0.0	10.4	0.0
9	16.0	26.5	20.5	79.9	19.09	16.8	23.0	0.0	23.0	3.5
10	16.2	26.3	20.2	81.4	19.29	16.9	42.0	0.0	42.0	3.5
11	16.4	27.5	22.0	74.9	19.15	16.8	1.0	0.0	1.0	5.7
12	15.9	26.4	22.0	80.6	20.84	18.1	0.0	0.0	0.0	4.1
13	17.8	26.3	21.4	80.0	20.31	17.8	23.0	0.0	23.0	2.5
14	18.0	26.2	21.7	80.8	20.94	18.2	11.0	0.0	11.0	3.5
15	16.0	27.0	20.8	81.2	19.87	17.4	0.0	0.0	0.0	7.3
16	15.2	28.0	22.5	76.5	19.93	17.4	0.0	0.0	0.0	6.3
17	15.1	30.2	23.5	70.5	19.08	16.6	0.0	0.0	0.0	7.9
18	16.0	28.2	22.5	72.8	19.27	16.8	0.0	0.0	0.0	6.3
19	16.5	28.4	22.5	76.8	20.50	17.9	0.0	0.0	0.0	5.3
20	19.0	29.0	23.7	69.0	19.90	17.4	0.0	0.0	0.0	7.6
21	16.0	29.7	22.0	73.4	19.24	16.9	0.0	0.0	0.0	5.9
22	16.2	29.4	21.4	78.4	20.31	17.8	0.0	0.0	0.0	5.7
23	17.8	27.1	22.2	78.1	20.45	17.8	0.0	0.0	0.0	4.8
24	19.0	26.0	22.0	80.7	21.03	18.3	0.0	45.0	45.0	2.5
25	17.0	25.0	20.3	82.3	19.38	17.0	11.0	14.0	25.0	
26	17.2	23.8	20.6	87.2	20.87	18.1	0.0	2.0	2.0	4.1
27	15.5	26.0	20.4	78.8	18.44	16.2	5.0	0.0	5.0	5.1
28	17.0	27.1	22.5	74.7	19.57	17.0	0.0	0.0	0.0	3.5
29	16.8	26.0	21.2	78.1	19.32	16.9	7.0	0.0	7.0	4.0
30	16.4	25.5	21.4	81.2	20.16	17.6	0.0	0.0	0.0	1.5
31	16.0	28.0	22.4	75.1	19.87	17.4	0.0	0.0	0.0	6.9
PROM.	16.8	26.9	21.5	78.8	19.88	17.4	210.8	63.0	273.8	

M E S - JUNIO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	27.5	21.1	80.2	19.87	17.4	39.0	0.0	39.0	5.9
2	18.0	26.1	21.0	81.5	20.50	17.9	4.0	8.0	12.0	4.5
3	18.5	24.0	21.0	80.2	19.83	17.4	0.0	0.0	0.0	0.8
4	15.8	26.5	21.0	81.1	19.78	17.2	0.0	0.0	0.0	8.0
5	16.8	26.6	22.5	78.1	20.47	17.7	0.0	0.0	0.0	3.3
6	17.6	26.2	20.8	83.5	20.42	17.8	14.0	0.0	14.0	4.3
7	15.2	26.3	21.5	80.2	20.06	17.5	0.0	0.0	0.0	6.9
8	16.1	26.5	22.0	81.1	20.87	18.1	0.0	0.0	0.0	6.3
9	15.6	27.5	21.8	77.4	19.61	17.1	0.0	0.0	0.0	7.1
10	15.5	26.5	21.5	78.9	19.67	17.2	0.0	0.0	0.0	7.5
11	16.6	27.3	22.5	77.7	20.56	17.9	0.0	0.0	0.0	5.7
12	17.8	26.5	21.6	79.1	20.31	17.7	0.0	0.0	0.0	1.8
13	17.9	26.0	20.4	82.1	19.98	17.5	37.0	0.0	37.0	2.6
14	17.5	26.1	22.0	77.8	20.30	17.7	0.0	0.0	0.0	4.6
15	17.0	26.6	21.5	80.1	20.53	17.9	0.0	0.0	0.0	7.2
16	14.8	26.9	21.2	78.0	19.31	17.0	0.0	0.0	0.0	4.9
17	14.9	27.3	21.7	76.0	19.46	17.1	0.0	0.0	0.0	5.6
18	15.7	26.9	21.9	79.3	20.84	18.1	0.0	0.0	0.0	4.5
19	18.0	26.0	22.5	77.3	20.58	18.0	0.0	0.0	0.0	3.4
20	17.0	28.0	22.4	76.5	19.93	17.2	0.0	0.0	0.0	6.0
21	16.4	28.6	22.0	76.0	19.59	17.1	0.0	10.0	10.0	7.3
22	17.3	26.6	20.9	79.4	19.60	17.2	20.0	0.0	20.0	5.4
23	15.5	26.5	20.3	76.7	17.77	15.5	0.0	0.0	0.0	4.7
24	16.0	26.0	20.8	78.1	18.84	16.5	2.0	12.0	14.0	6.2
25	17.3	25.0	20.9	79.0	19.55	17.1	0.0	0.0	0.0	3.2
26	17.0	24.2	19.9	77.7	18.08	15.9	20.0	0.0	20.0	3.4
27	15.0	25.3	21.3	76.1	18.71	16.4	0.0	0.0	0.0	7.2
28	15.2	26.2	20.9	75.2	17.94	15.8	0.0	0.0	0.0	9.5
29	14.0	27.0	21.3	75.7	18.48	16.1	0.0	0.0	0.0	7.9
30	15.0	27.5	19.9	77.5	17.71	15.6	6.0	0.0	6.0	6.1
PROM	16.4	26.5	21.3	78.6	19.64	17.2	142.0	30.0	172.0	161.8

ESTACION: PUEBLO BELLO MUNICIPIO: PUEBLO BELLO AÑO: 1.989

ALTITUD: 1.000 LATITUD: 10-22 N. LONGITUD: 73-38 W.

M E S — JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.4	26.5	20.7	76.7	18.30	16.1	0.0	0.0	0.0	5.7
2	17.0	27.4	22.4	76.4	20.03	17.4	0.0	0.0	0.0	7.0
3	16.8	27.0	21.9	74.8	18.95	16.6	0.0	0.0	0.0	6.0
4	15.3	28.7	21.9	73.4	18.54	16.2	0.0	0.0	0.0	7.0
5	16.0	26.4	21.4	76.2	18.78	16.4	0.0	0.0	0.0	3.7
6	15.9	27.3	21.8	77.4	19.43	17.0	0.0	0.0	0.0	6.7
7	15.0	27.8	22.4	75.3	19.44	16.8	58.0	0.0	58.0	6.1
8	17.0	25.7	21.6	79.7	20.12	17.5	0.0	0.0	0.0	3.1
9	15.8	25.9	19.8	82.2	18.54	16.2	45.0	0.0	45.0	5.2
10	16.8	25.4	20.9	82.4	19.95	17.4	4.0	0.0	4.0	4.4
11	15.5	26.4	19.9	79.9	18.55	16.3	27.0	0.0	27.0	6.8
12	15.1	27.2	22.6	73.4	19.03	16.5	0.0	0.0	0.0	7.5
13	15.8	28.2	23.1	71.6	19.14	16.7	0.0	0.0	0.0	7.2
14	17.0	28.9	23.2	64.8	17.39	15.3	0.0	0.0	0.0	8.8
15	18.0	30.2	24.6	52.5	15.93	13.9	0.0	0.0	0.0	9.4
16	17.0	29.6	23.6	67.6	18.98	16.6	0.0	0.0	0.0	7.9
17	18.7	27.2	22.6	74.2	20.20	17.7	2.0	0.0	2.0	5.3
18	17.2	27.4	22.8	76.2	20.63	17.8	0.0	0.0	0.0	5.5
19	17.8	26.0	20.8	78.0	19.19	16.9	0.0	0.0	0.0	4.7
20	15.8	25.8	21.7	77.0	19.35	16.9	0.0	0.0	0.0	7.3
21	16.8	27.0	22.2	68.5	17.46	15.3	0.0	0.0	0.0	4.9
22	16.7	26.9	21.3	77.2	18.93	16.5	16.0	25.0	41.0	
23	18.8	25.4	21.8	81.4	21.04	18.3	0.0	0.0	0.0	2.5
24	16.9	24.8	21.2	76.4	18.82	16.5	0.0	2.0	2.0	5.3
25	18.0	25.2	20.8	78.4	19.25	16.9	4.0	0.0	4.0	1.5
26	17.6	26.4	21.5	77.4	19.70	17.3	24.0	0.0	24.0	3.2
27	16.0	25.7	20.5	81.7	19.16	16.8	4.0	0.0	4.0	6.2
28	16.7	26.0	20.5	79.0	18.80	16.5	25.0	0.0	25.0	6.8
29	16.6	26.2	22.0	77.8	19.98	17.4	0.0	0.0	0.0	7.4
30	16.1	25.5	22.3	74.5	19.14	16.7	0.0	0.0	0.0	5.1
31	13.8	27.3	22.1	70.7	17.74	15.4	0.0	0.0	0.0	9.2
PROM.	16.5	26.8	21.8	75.2	19.05	16.6	209.0	27.0	236.0	

M E S — AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.0	28.8	21.5	78.7	19.82	17.3	0.0	0.0	0.0	8.1
2	16.0	28.2	21.2	81.3	20.46	17.8	1.6	6.1	7.7	4.7
3	17.6	25.2	21.3	86.0	21.64	18.7	2.1	6.5	8.6	5.4
4	16.0	26.5	22.1	79.9	20.97	18.2	0.0	0.0	0.0	5.6
5	15.5	28.2	21.4	81.2	20.92	18.2	2.4	0.0	2.4	6.3
6	16.0	27.3	20.1	87.9	20.55	17.9	0.0	12.5	12.5	5.3
7	17.5	29.0	22.8	82.4	22.61	19.4	0.1	0.0	0.1	7.9
8	15.5	27.6	21.3	83.7	21.16	18.3	0.0	0.0	0.0	7.5
9	16.0	27.5	22.0	80.8	20.95	18.2	1.4	20.4	21.8	7.8
10	16.7	26.5	21.6	83.4	21.31	18.4	0.0	0.0	0.0	5.6
11	16.0	27.2	21.0	83.9	21.43	18.6	10.5	0.0	10.5	4.4
12	16.5	27.7	20.5	82.0	20.37	17.8	69.0	1.9	70.9	7.3
13	16.4	26.0	19.3	86.7	19.66	17.2	11.3	0.9	12.2	5.6
14	15.5	27.2	22.2	83.4	22.09	19.0	0.0	0.0	0.0	4.1
15	17.0	27.8	20.6	84.2	20.95	18.1	11.0	0.0	11.0	6.4
16	17.1	27.9	21.2	82.2	21.41	18.6	6.1	0.0	6.1	5.2
17	16.2	27.0	21.1	85.5	22.07	19.0	12.2	0.0	12.2	4.4
18	15.9	28.7	22.3	80.0	21.69	18.7	0.0	0.0	0.0	8.9
19	16.5	27.4	22.0	80.2	21.21	18.4	4.6	0.6	5.2	1.9
20	18.8	26.5	21.8	84.5	22.23	19.1	0.0	24.5	24.5	5.2
21	17.7	28.0	21.8	84.4	22.57	19.4	28.7	5.2	33.9	7.7
22	17.5	27.5	22.0	84.0	22.56	19.4	0.0	0.1	0.1	5.7
23	17.1	28.2	22.6	80.9	22.05	19.0	0.7	5.5	6.2	7.7
24	18.3	25.1	21.2	85.8	21.98	19.0	0.6	0.1	0.7	1.5
25	15.0	25.5	20.6	83.8	20.73	18.1	0.0	0.0	0.0	3.2
26	16.9	27.0	20.8	85.6	21.63	18.7	7.0	0.0	7.0	4.9
27	17.0	25.5	20.9	92.8	22.90	19.7	0.0	0.0	0.0	2.3
28	16.3	26.0	20.2	81.4	19.46	17.1	0.0	27.7	27.7	
29	18.0	26.0	21.8	86.2	22.21	19.1	0.0	0.0	0.0	
30	18.2	24.5	20.6	86.8	21.19	18.4	7.0	18.1	25.1	2.2
31	17.5	26.4	21.0	83.1	20.56	17.9	2.3	0.0	2.3	5.1
PROM	16.7	27.0	21.3	83.6	21.33	18.5	178.6	130.1	308.7	

ESTACION: PUEBLO BELLO MUNICIPIO: PUEBLO BELLO AÑO: 1.989

ALTITUD: 1.000 LATITUD: 10-22 N. LONGITUD: 73-38 W.

M E S - SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.8	27.9	22.7	84.7	22.95	19.6	0.0	0.4	0.4	5.6
2	17.0	29.0	21.1	79.6	20.01	17.5	1.5	1.4	2.9	6.1
3	17.8	27.5	20.9	85.5	21.73	18.8	11.2	0.6	11.8	8.2
4	17.5	27.1	21.8	82.3	21.18	18.4	0.0	1.5	1.5	3.4
5	18.7	27.2	21.9	83.2	21.74	18.8	12.2	1.3	13.5	4.7
6	18.5	27.3	22.1	85.0	22.69	19.5	0.0	3.7	3.7	3.4
7	18.8	27.0	21.6	84.6	22.09	19.1	0.2	5.6	5.8	4.3
8	17.7	27.6	22.6	83.0	22.91	19.7	1.6	0.3	1.9	7.4
9	18.8	26.7	22.0	85.7	22.83	19.6	0.0	0.0	0.0	5.7
10	19.0	25.2	21.5	85.7	22.08	19.1	0.0	0.0	0.0	5.8
11	16.2	26.6	21.6	85.9	22.30	19.2	0.0	0.0	0.0	4.8
12	16.7	27.3	21.3	83.0	20.91	18.2	0.0	0.0	0.0	5.9
13	17.1	27.2	21.7	81.8	20.96	18.2	17.3	6.9	24.2	7.5
14	16.0	26.4	21.3	80.1	19.83	17.3	0.0	0.0	0.0	1.2
15	16.5	28.0	22.3	83.1	22.43	19.3	0.0	0.0	0.0	7.6
16	15.7	28.2	21.5	83.4	21.50	18.6	0.0	0.3	0.3	
17	16.0	27.5	20.6	83.0	20.06	17.5	45.2	0.0	45.2	5.5
18	16.5	26.7	21.5	83.3	21.02	18.2	0.0	0.9	0.9	
19	18.0	27.4	21.0	81.7	20.43	17.9	12.7	2.1	14.8	6.3
20	16.8	26.2	21.0	81.6	20.28	17.7	11.3	0.0	11.3	2.9
21	18.2	26.3	21.0	80.0	20.12	17.6	15.1	0.2	15.3	1.7
22	15.8	25.0	20.8	88.9	22.21	19.2	8.1	0.7	8.8	3.7
23	16.5	26.8	21.6	83.5	21.87	18.9	0.0	0.0	0.0	9.3
24	17.2	27.0	21.1	84.4	21.08	18.3	0.0	0.0	0.0	7.1
25	17.5	27.3	21.6	80.9	20.61	18.0	0.0	0.0	0.0	2.4
26	14.9	24.4	19.6	83.8	18.67	16.4	3.9	1.9	5.8	4.7
27	17.4	25.0	20.1	83.4	19.62	17.2	17.1	0.0	17.1	0.4
28	16.7	26.7	19.8	83.1	19.48	17.1	35.9	3.9	39.8	0.3
29	16.2	27.8	21.4	79.9	19.94	17.4	0.0	0.0	0.0	3.6
30	15.6	28.4	21.9	81.4	20.96	18.2	0.0	0.0	0.0	6.8
PROM.	17.0	27.0	21.4	83.2	21.15	18.4	193.3	31.7	225.0	

M E S - OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	28.0	22.5	81.6	22.07	19.0	0.0	0.0	0.0	6.3
2	17.8	27.2	21.6	80.5	21.11	18.3	14.3	0.3	14.6	1.8
3	17.0	27.4	20.8	79.2	19.45	17.0	0.0	0.0	0.0	4.0
4	16.5	27.0	21.5	86.6	22.74	19.5	0.3	20.4	20.7	6.6
5	18.2	28.0	22.2	80.1	21.07	18.3	0.0	0.0	0.0	4.9
6	15.0	27.6	21.9	80.4	20.46	17.8	0.0	0.0	0.0	7.2
7	16.7	27.0	22.1	83.5	22.19	19.1	0.0	0.0	0.0	7.2
8	16.8	26.4	21.4	85.6	22.08	19.1	0.0	0.0	0.0	5.2
9	16.0	26.0	21.2	86.1	21.55	18.6	0.0	0.0	0.0	2.1
10	15.9	26.2	20.0	88.2	21.01	18.3	0.0	0.0	0.0	4.6
11	17.6	25.0	20.8	85.5	21.05	18.3	5.8	0.6	6.4	2.2
12	13.6	25.4	20.0	88.9	20.80	18.0	0.9	0.0	0.9	6.1
13	16.0	26.0	21.4	85.5	21.81	18.8	0.0	0.0	0.0	5.8
14	16.2	26.6	21.2	83.2	20.63	18.0	0.0	1.2	1.2	8.1
15	15.2	26.0	21.5	81.1	20.45	17.7	0.0	0.0	0.0	6.4
16	17.5	28.0	22.9	79.0	21.23	18.3	0.0	0.0	0.0	7.4
17	16.8	27.5	21.1	84.4	21.55	18.7	10.2	0.0	10.2	5.9
18	18.0	26.8	22.0	82.4	21.52	18.7	0.0	21.2	21.2	4.0
19	17.6	27.2	21.8	79.8	20.88	18.2	0.1	1.2	1.3	5.7
20	16.2	27.0	21.9	83.5	21.98	19.0	0.0	16.5	16.5	4.8
21	17.5	28.0	21.1	80.2	20.20	17.7	54.8	0.0	54.8	5.7
22	15.9	27.4	21.5	80.8	20.68	18.0	0.0	0.0	0.0	5.9
23	15.4	26.5	21.8	79.5	20.51	17.8	0.0	0.0	0.0	2.8
24	16.8	27.0	21.3	83.5	21.21	18.4	0.0	0.0	0.0	5.1
25	15.4	26.7	20.8	83.8	20.15	17.5	0.2	0.0	0.2	5.1
26	15.0	27.2	22.0	81.5	21.16	18.4	0.4	0.1	0.5	5.0
27	16.0	28.2	21.7	82.0	21.20	18.4	0.0	0.0	0.0	5.9
28	17.0	25.0	20.8	85.0	21.19	18.4	0.0	0.0	0.0	2.3
29	16.4	28.0	21.7	82.8	21.90	19.0	0.0	0.0	0.0	6.9
30	17.5	26.0	20.9	86.8	21.45	18.6	3.6	0.7	4.3	6.1
31	16.5	26.4	21.6	85.7	22.44	19.4	0.0	0.0	0.0	
PROM	16.5	26.9	21.5	83.1	21.22	18.4	90.6	62.2	152.8	

ESTACION: PUEBLO BELLO MUNICIPIO: PUEBLO BELLO AÑO: 1.989

ALTITUD: 1.000 LATITUD: 10-22 N. LONGITUD: 73-38 W.

M E S – NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	26.4	21.5	86.8	22.54	19.4	2.8	6.2	9.0	3.6
2	16.2	25.8	21.2	87.8	22.10	19.0	1.1	0.2	1.3	4.5
3	17.2	26.0	21.0	90.0	22.58	19.4	0.0	0.0	0.0	0.7
4	15.5	25.9	20.9	89.9	22.49	19.3	6.2	0.0	6.2	6.5
5	15.1	27.2	21.2	84.7	21.65	18.8	0.0	0.0	0.0	8.3
6	15.9	26.0	20.6	81.2	19.41	17.0	0.0	0.0	0.0	8.0
7	16.8	26.2	20.8	81.0	19.74	17.3	0.3	0.0	0.3	7.0
8	17.3	25.8	20.7	84.8	20.99	18.3	3.5	8.7	12.2	5.6
9	17.8	24.7	20.3	85.2	20.72	18.1	2.1	2.3	4.4	6.0
10	15.8	25.0	19.6	85.2	19.55	17.1	26.6	0.0	26.6	5.2
11	14.6	25.7	20.0	83.9	19.64	17.2	13.5	0.0	13.5	4.9
12	16.8	25.0	20.8	87.2	21.70	18.8	4.1	0.0	4.1	4.4
13	17.0	26.2	20.4	86.4	20.83	18.1	0.0	0.0	0.0	9.3
14	15.6	26.0	20.0	85.5	20.26	17.7	0.0	0.0	0.0	7.0
15	14.6	26.2	21.0	82.6	19.95	17.3	1.3	0.1	1.4	6.8
16	14.9	27.0	20.9	86.3	21.43	18.6	0.0	0.2	0.2	4.1
17	16.6	26.2	20.6	87.2	21.26	18.5	0.0	0.0	0.0	5.4
18	16.8	27.0	21.5	88.2	22.60	19.4	0.0	0.0	0.0	6.6
19	14.6	28.8	21.0	77.2	19.01	16.7	0.0	0.0	0.0	9.8
20	13.0	28.4	21.8	80.7	21.12	18.4	0.0	2.2	2.2	
21	15.2	28.1	21.8	82.1	21.07	18.3	0.0	18.0	18.0	
22	19.2	27.5	21.6	85.8	22.52	19.4	2.8	15.8	18.6	
23	16.2	28.0	21.1	83.4	20.82	18.1	0.0	19.0	19.0	0.1
24	16.1	28.8	21.5	76.7	19.50	17.1	0.0	14.0	14.0	7.7
25	17.8	29.1	22.4	74.4	19.80	17.3	0.0	3.9	3.9	4.7
26	16.8	26.2	20.9	84.1	20.89	18.2	0.0	0.0	0.0	5.4
27	17.0	27.0	21.8	84.7	22.09	19.1	0.0	0.0	0.0	9.1
28	15.8	28.1	21.7	86.1	22.40	19.3	0.0	0.0	0.0	8.9
29	15.9	28.2	22.0	83.3	21.76	18.8	0.0	3.6	3.6	6.4
30	18.8	26.6	22.2	86.5	23.27	19.9	0.0	0.0	0.0	6.3
PROM.	16.3	26.8	21.1	84.3	21.12	18.3	64.3	94.2	158.5	

M E S – DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.4	26.1	20.8	89.1	22.20	19.2	5.0	0.0	5.0	
2	16.5	24.8	20.5	75.2	17.91	15.7				2.9
3	17.0	24.9	20.3	88.0	21.30	18.5				3.7
4	16.4	27.0	20.1	82.0	19.58	17.2				2.8
5	16.0	27.2	20.1	80.6	18.90	16.6				5.8
6	14.0	26.0	19.3	89.0	20.19	17.5				9.8
7	13.5	27.0	19.9	83.1	19.33	16.8				9.4
8	16.0	26.0	19.7	87.7	20.55	17.8				9.5
9	15.0	26.5	21.0	83.1	20.38	17.7				7.7
10	15.4	26.8	20.2	82.2	19.37	17.0				8.7
11	14.0	27.0	19.8	81.6	18.94	16.6				6.9
12	12.5	27.2	19.2	81.0	18.83	16.6				8.7
13	13.0	27.3	19.9	80.1	18.77	16.4				8.8
14	14.8	26.0	19.3	80.9	18.43	16.2				9.0
15	11.0	25.8	18.2	81.3	17.52	15.2				
16	11.8	27.0	19.9	78.4	18.56	16.2				
17	13.6	26.0	18.5	78.9	17.51	15.4				7.0
18	11.0	26.4	19.0	82.9	18.16	15.9				9.0
19	13.8	27.8	20.0	82.5	19.24	16.8				9.6
20	13.0	27.1	20.0	80.3	18.94	16.6				9.4
21	12.2	27.5	19.0	77.6	16.57	14.5				9.3
22	11.5	26.2	19.5	79.3	17.69	15.6				9.0
23	11.0	28.2	20.0	74.6	17.29	15.2				9.2
24	13.5	26.4	20.2	85.9	20.53	17.9				
25	15.0	26.6	19.2	81.5	18.35	16.1				
26	12.4	27.0	19.9	80.9	18.62	16.3				
27	14.8	27.2	20.4	76.7	18.25	16.0				
28	15.0	26.0	20.8	82.0	20.08	17.6				9.1
29	10.8	26.5	19.4	80.2	17.90	15.7				
30	14.0	26.8	20.1	76.7	17.53	15.4				8.1
31	12.8	27.3	20.6	76.5	18.57	16.3				
PROM	13.9	26.6	19.8	81.3	18.87	16.5				

ESTACION: PUEBLO BELLO MUNICIPIO: PUEBLO BELLO AÑO: 1.989

ALTITUD: 1.000 LATITUD: 10-22 N. LONGITUD: 73-38 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	13.9	28.1	20.8	10.0	30.1	74.7	17.70	15.4	3.0	1	
FEBRERO	13.9	28.6	20.8	11.2	31.0	70.3	16.49	14.3	79.4	4	
MARZO	15.5	26.5	21.0	12.9	31.2	77.1	18.53	16.2	12.5	9	167.7
ABRIL	15.9	28.8	22.2	12.0	30.9	74.4	19.16	16.7	126.9	6	
MAYO	16.8	26.9	21.5	15.1	30.2	78.8	19.88	17.4	273.8	15	
JUNIO	16.4	26.5	21.3	14.0	28.6	78.6	19.64	17.2	172.0	9	161.8
JULIO	16.5	26.8	21.8	13.8	30.2	75.2	19.05	16.6	236.0	11	
AGOSTO	16.7	27.0	21.3	15.0	29.0	83.6	21.33	18.5	308.7	22	
SEPTIEMBRE	17.0	27.0	21.4	14.9	29.0	83.2	21.15	18.4	225.0	19	
OCTUBRE	16.5	26.9	21.5	13.6	28.2	83.1	21.22	18.4	152.8	13	
NOVIEMBRE	16.3	26.8	21.1	13.0	29.1	84.3	21.12	18.3	158.5	18	
DICIEMBRE	13.9	26.6	19.8	10.8	28.2	81.3	18.87	16.5			
PROMEDIO	15.8	27.2	21.2	13.0	29.6	78.7	19.51	17.0			
TOTAL											

ESTACION: MONTELIBANO MUNICIPIO: YACOPI AÑO: 1.989

ALTITUD: 1.340 LATITUD: 5-28 N. LONGITUD: 74-22 W.

M E S - ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.2	22.8	19.1	92.8	20.69	18.0	1.0	26.1	27.1	1.9
2	16.2	23.0	19.6	89.5	20.36	17.8	0.0	4.4	4.4	0.8
3	17.8	23.4	19.9	91.8	21.46	18.7	0.2	47.0	47.2	1.8
4	16.6	26.2	20.3	86.1	20.79	18.1	0.9	1.4	2.3	4.1
5	16.4	22.8	19.5	89.8	20.30	17.7	0.8	1.7	2.5	4.4
6	17.4	25.0	19.8	92.8	21.59	18.7	0.7	0.3	1.0	4.6
7	17.8	23.6	20.4	91.3	21.97	19.0	0.1	2.7	2.8	5.3
8	17.6	22.5	20.0	88.7	20.65	18.0	0.4	3.5	3.9	6.4
9	16.5	23.2	19.4	84.0	18.72	16.4	2.0	0.0	2.0	4.8
10	16.6	21.2	18.4	92.0	19.50	17.1	0.0	0.0	0.0	1.2
11	16.3	24.4	19.4	85.7	19.24	16.8	0.0	0.0	0.0	5.4
12	16.8	25.4	20.0	89.3	20.84	18.1	3.0	0.0	3.0	5.2
13	18.0	22.5	19.7	89.5	20.52	17.9	0.5	0.0	0.5	0.4
14	17.2	24.6	20.4	88.5	20.99	18.3	0.0	0.9	0.9	4.9
15	16.8	26.0	20.2	88.3	20.61	17.9	0.0	0.0	0.0	5.0
16	18.0	25.6	21.1	87.5	21.78	18.8	16.6	37.0	53.6	4.9
17	16.8	24.6	20.3	92.3	22.18	19.1	0.0	5.2	5.2	2.7
18	17.2	24.8	20.1	89.6	21.29	18.5	15.7	0.3	16.0	5.0
19	17.8	24.4	20.5	93.5	22.77	19.5	0.3	36.1	36.4	6.4
20	17.4	25.4	20.2	88.4	21.04	18.3	0.2	5.4	5.6	5.4
21	18.0	24.2	20.0	91.3	21.74	18.8	0.0	0.0	0.0	2.9
22	16.0	24.7	19.1	88.6	19.97	17.4	14.8	0.0	14.8	3.7
23	16.0	24.0	19.5	92.2	20.99	18.2	2.3	0.0	2.3	5.8
24	15.8	25.0	20.3	88.3	20.82	18.1	0.0	0.0	0.0	5.1
25	17.8	22.6	19.9	91.9	21.50	18.6	0.0	0.0	0.0	2.5
26	18.0	24.4	20.5	89.6	21.74	18.8	0.0	2.2	2.2	3.6
27	17.4	23.5	19.6	88.4	20.17	17.7	0.8	1.8	2.6	2.8
28	17.3	21.5	19.1	89.6	19.92	17.5	16.1	0.0	16.1	1.8
29	17.5	23.2	19.7	85.8	19.69	17.3	0.0	0.0	0.0	6.1
30	17.4	24.4	20.5	88.4	21.38	18.6	0.0	0.7	0.7	4.2
31	17.5	23.0	19.7	90.6	20.71	18.1	0.0	44.6	44.6	3.2
PROM.	17.1	23.9	19.9	89.6	20.84	18.1	76.4	221.3	297.7	122.3

M E S - FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	22.5	19.6	91.1	20.50	17.9	0.0	0.0	0.0	3.5
2	17.4	23.0	20.5	88.6	21.10	18.3	0.0	9.0	9.0	5.0
3	17.0	22.3	19.1	93.4	20.86	18.2	0.0	0.0	0.0	0.3
4	16.2	22.4	18.9	92.9	20.33	17.7	8.3	0.9	9.2	2.2
5	16.8	23.8	19.4	92.4	20.88	18.2	0.0	21.6	21.6	3.0
6	16.5	23.6	20.0	90.7	21.08	18.3	0.0	13.3	13.3	5.1
7	16.4	25.0	18.7	92.1	20.47	17.8	16.6	5.7	22.3	5.4
8	17.3	23.8	21.0	89.2	22.07	19.1	0.0	0.4	0.4	5.5
9	17.0	23.4	20.2	88.2	20.84	18.1	0.0	0.0	0.0	3.9
10	16.8	24.5	19.4	92.4	20.80	18.1	0.0	18.4	18.4	0.3
11	16.4	21.3	18.3	92.9	19.45	17.1	2.7	0.0	2.7	0.0
12	16.3	23.4	19.2	87.1	19.26	16.9	0.0	25.8	25.8	4.6
13	16.5	23.8	19.4	89.4	20.13	17.6	0.7	0.4	1.1	3.6
14	16.8	23.5	19.5	87.5	20.08	17.6	0.0	0.0	0.0	6.3
15	17.0	23.4	20.0	76.9	17.93	15.8	0.0	0.0	0.0	7.8
16	16.3	23.0	19.3	80.4	17.85	15.7	0.0	0.0	0.0	7.9
17	15.5	22.8	19.0	85.2	18.58	16.3	0.0	0.0	0.0	6.1
18	16.5	24.5	20.5	85.7	20.43	17.8	0.0	2.8	2.8	5.0
19	16.0	23.5	20.0	88.5	20.43	17.8	0.0	17.4	17.4	2.1
20	16.8	22.5	19.7	92.5	21.21	18.4	0.3	6.7	7.0	2.6
21	17.0	23.0	20.0	89.7	20.84	18.1	4.7	0.0	4.7	1.6
22	18.4	22.2	19.5	94.9	21.35	18.5	0.0	0.0	0.0	2.4
23	17.0	21.0	17.9	92.9	19.22	16.9	0.8	2.9	3.7	0.1
24	16.2	22.0	18.5	91.0	19.47	17.1	0.1	12.8	12.9	2.9
25	16.8	22.5	19.2	92.7	20.59	17.9	0.0	0.0	0.0	1.1
26	16.3	21.8	19.0	95.4	20.81	18.1	0.5	1.0	1.5	0.9
27	17.8	25.3	21.3	90.7	22.96	19.7	0.0	0.0	0.0	8.1
28	17.4	27.8	22.0	85.3	22.25	19.1	0.0	0.2	0.2	1.5
PROM	16.8	23.3	19.6	89.6	20.42	17.8	34.7	139.3	174.0	98.8

ESTACION: MONTELIBANO MUNICIPIO: YACOPI AÑO: 1.989

ALTITUD: 1.340 LATITUD: 5-28 N. LONGITUD: 74-22 W.

MES - MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	28.2	22.4	84.0	22.38	19.3	0.0	0.0	0.0	8.9
2	18.2	25.5	21.1	84.8	21.08	18.3	0.0	3.2	3.2	6.8
3	17.5	24.5	20.9	85.1	20.97	18.2	0.0	7.1	7.1	2.2
4	17.8	26.0	20.1	84.6	20.14	17.6	0.0	5.0	5.0	4.9
5	16.5	24.2	19.9	90.4	21.03	18.3	0.0	0.1	0.1	1.6
6	17.5	24.8	19.7	83.5	19.35	16.9	0.0	0.0	0.0	3.3
7	17.3	24.0	20.0	87.5	20.13	17.6	0.0	0.0	0.0	5.1
8	16.4	21.6	18.7	87.3	18.78	16.5	0.0	0.0	0.0	0.9
9	16.9	23.0	20.0	87.7	20.40	17.8	0.0	0.0	0.0	4.4
10	17.5	22.5	19.2	86.4	19.25	16.9	0.0	0.9	0.9	5.5
11	16.2	20.5	18.2	94.2	19.74	17.3	4.2	0.5	4.7	1.1
12	16.0	19.6	17.5	92.7	18.54	16.3	0.0	5.8	5.8	0.1
13	15.6	20.2	17.4	91.8	18.30	16.1	0.0	1.6	1.6	1.4
14	16.4	22.0	19.0	89.3	19.65	17.2	0.0	2.2	2.2	1.0
15	17.0	23.2	19.8	89.5	20.61	18.0	0.0	27.9	27.9	3.1
16	16.4	22.8	19.3	90.6	20.13	17.6	3.7	0.5	4.2	1.4
17	16.5	24.0	20.2	87.0	20.74	18.1	0.0	0.0	0.0	6.9
18	17.0	23.4	20.2	87.4	20.85	18.1	0.0	0.0	0.0	5.4
19	17.4	21.8	19.0	90.5	19.91	17.4	0.0	14.9	14.9	3.0
20	15.8	19.0	17.4	94.0	18.60	16.4	6.3	0.3	6.6	0.1
21	16.0	23.4	19.4	91.0	20.35	17.8	0.0	1.5	1.5	4.5
22	15.7	23.1	19.5	86.9	19.67	17.2	0.0	0.0	0.0	6.2
23	16.4	24.5	19.4	89.7	20.17	17.6	0.0	12.5	12.5	3.2
24	15.4	23.6	19.2	85.2	18.63	16.4	7.4	0.0	7.4	4.8
25	16.4	24.5	19.2	82.7	18.45	16.2	0.0	0.0	0.0	7.8
26	16.8	24.2	20.4	87.1	20.79	18.1	0.0	17.6	17.6	6.9
27	15.8	23.5	19.6	84.0	19.13	16.8	0.0	0.0	0.0	5.3
28	16.5	24.2	19.5	87.8	19.70	17.3	0.0	0.0	0.0	4.4
29	16.6	23.8	19.1	87.3	19.21	16.9	0.9	0.0	0.9	5.6
30	16.0	24.6	20.2	85.6	20.12	17.6	0.0	0.0	0.0	8.7
31	17.4	23.8	19.1	89.5	20.13	17.6	0.4	0.9	1.3	3.8
PROM.	16.7	23.4	19.5	87.9	19.90	17.4	22.9	102.5	125.4	128.3

MES - ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	22.6	19.5	90.9	20.70	18.0	0.2	0.9	1.1	3.0
2	17.4	23.5	19.4	88.8	19.97	17.5	0.0	12.8	12.8	2.1
3	18.0	22.5	19.9	89.3	20.57	17.9	2.0	28.9	30.9	2.5
4	16.5	24.9	20.2	89.6	21.05	18.3	7.0	8.1	15.1	3.3
5	17.5	25.5	20.3	87.8	21.05	18.3	0.0	0.0	0.0	3.6
6	17.2	26.0	20.6	86.0	20.79	18.1	0.0	0.0	0.0	4.5
7	18.2	26.2	21.1	87.3	22.02	19.0	0.0	2.3	2.3	6.6
8	18.0	26.0	19.5	88.6	20.88	18.1	0.0	53.1	53.1	5.6
9	18.4	26.8	21.2	89.2	22.62	19.5	0.1	8.6	8.7	6.6
10	17.5	24.5	21.0	88.4	21.94	19.0	0.3	0.0	0.3	4.6
11	18.0	27.0	22.1	86.9	22.91	19.6	0.0	46.5	46.5	6.5
12	17.5	25.2	20.4	84.4	20.49	17.9	7.4	0.5	7.9	3.0
13	18.3	26.0	20.8	87.7	21.73	18.8	3.4	5.1	8.5	3.6
14	18.4	24.0	19.5	90.7	21.07	18.3	0.0	0.0	0.0	2.5
15	17.0	23.5	19.8	90.1	21.07	18.3	6.5	1.0	7.5	2.6
16	18.0	25.8	20.3	88.0	21.34	18.5	0.0	0.7	0.7	4.6
17	17.5	25.5	21.9	86.5	22.66	19.5	0.0	0.0	0.0	6.1
18	18.0	25.9	21.8	86.6	22.32	19.2	0.0	0.0	0.0	6.7
19	19.0	25.0	21.4	88.4	22.64	19.5	0.0	41.1	41.1	4.7
20	17.4	24.2	20.5	87.6	21.41	18.6	0.0	0.0	0.0	0.1
21	17.3	26.5	20.9	90.0	22.16	19.1	2.3	2.2	4.5	3.1
22	17.8	24.5	21.1	92.0	23.14	19.8	0.0	59.8	59.8	4.0
23	17.3	23.5	19.8	97.1	22.25	19.2	1.8	0.0	1.8	2.7
24	18.2	25.6	20.2	88.1	21.10	18.4	9.2	0.0	9.2	2.3
25	17.0	25.0	21.4	89.2	22.79	19.6	0.0	1.0	1.0	6.0
26	17.8	26.0	21.2	84.6	21.36	18.5	0.0	0.0	0.0	2.5
27	16.6	25.5	20.0	83.7	19.51	17.1	0.8	0.0	0.8	5.7
28	16.3	24.2	20.5	84.4	20.27	17.7	0.0	0.0	0.0	0.9
29	17.8	24.8	20.8	89.3	22.12	19.1	0.4	0.0	0.4	2.8
30	17.9	26.5	21.2	86.6	21.92	18.9	1.1	14.6	15.7	4.0
PROM	17.6	25.1	20.6	88.3	21.53	18.6	42.5	287.2	329.7	116.8

ESTACION: MONTELIBANO MUNICIPIO: YACOPI AÑO: 1.989

ALTITUD: 1.340 LATITUD: 5-28 N. LONGITUD: 74-22 W.

M E S - MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.8	24.2	19.7	92.7	21.54	18.7	11.1	1.6	12.7	3.5
2	16.0	23.6	20.2	86.2	20.40	17.8	0.6	2.8	3.4	4.8
3	16.8	24.5	20.0	88.6	20.67	18.0	0.0	0.0	0.0	4.2
4	16.4	26.0	21.0	86.7	21.34	18.5	0.0	18.7	18.7	6.3
5	16.2	25.5	20.8	89.5	21.71	18.7	1.7	11.8	13.5	5.4
6	16.0	23.8	20.1	87.0	20.24	17.6	0.0	0.4	0.4	1.7
7	17.4	25.5	20.7	87.8	21.52	18.7	0.0	21.5	21.5	5.6
8	16.5	21.0	18.7	93.1	19.86	17.4	2.7	10.5	13.2	0.4
9	16.0	26.0	20.9	85.5	20.69	17.5	0.0	12.3	12.3	6.2
10	17.3	22.0	19.1	92.1	20.16	17.6	8.0	0.3	8.3	0.4
11	17.2	27.0	21.8	83.7	21.55	18.7	0.0	0.0	0.0	10.5
12	17.8	24.5	19.0	90.1	20.11	17.6	38.6	0.0	38.6	5.4
13	17.0	24.3	20.0	88.9	20.77	18.1	12.7	0.0	12.7	2.9
14	17.3	25.6	20.8	88.0	21.42	18.6	0.0	42.1	42.1	5.1
15	17.4	25.0	20.1	83.2	20.33	17.7	20.6	4.4	25.0	5.5
16	16.5	25.8	21.4	87.8	22.16	19.1	0.0	0.0	0.0	8.3
17	18.5	26.8	21.4	80.5	20.07	17.4	0.0	0.0	0.0	5.3
18	18.4	26.2	22.0	86.1	23.02	19.7	0.0	9.1	9.1	6.4
19	18.0	26.6	20.5	84.2	20.42	17.9	0.0	1.8	1.8	4.7
20	17.5	26.4	21.0	87.2	21.72	18.8	4.5	0.0	4.5	6.1
21	18.2	24.0	19.7	80.6	18.92	16.6	0.0	0.0	0.0	2.2
22	18.5	27.0	21.9	75.7	20.08	17.6	0.3	0.0	0.3	6.5
23	18.6	26.8	21.5	82.7	21.46	18.6	0.0	2.6	2.6	7.1
24	18.0	23.2	20.0	95.3	22.38	19.3	3.8	29.1	32.9	1.5
25	16.5	22.4	19.1	90.9	20.06	17.5	19.9	0.9	20.8	1.4
26	17.2	22.8	19.2	90.4	20.39	17.8	6.1	0.0	6.1	0.6
27	16.8	25.4	20.0	86.3	20.50	17.8	1.7	0.0	1.7	5.2
28	17.8	24.0	19.6	87.6	20.10	17.6	0.0	0.0	0.0	0.6
29	16.4	24.2	20.1	87.8	20.59	17.9	0.2	1.7	1.9	4.5
30	17.3	27.0	21.9	85.7	21.96	18.9	0.0	0.2	0.2	4.6
31	19.2	25.0	21.8	90.5	23.59	20.1	0.2	0.0	0.2	4.0
PROM.	17.3	24.9	20.5	87.2	20.96	18.2	132.7	171.8	304.5	136.9

M E S - JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	27.3	21.9	89.0	23.28	19.9	0.0	13.9	13.9	2.5
2	18.2	26.0	21.8	84.3	21.67	18.7	0.0	0.0	0.0	4.4
3	17.3	22.6	19.9	88.9	20.75	18.1	0.0	0.0	0.0	0.7
4	16.8	26.0	20.9	85.6	21.44	18.6	0.0	0.0	0.0	6.0
5	18.4	23.6	20.5	90.5	21.69	18.8	28.6	0.2	28.8	3.7
6	18.5	24.0	20.3	90.1	21.32	18.5	2.9	13.4	16.3	2.2
7	17.0	25.4	21.0	83.8	20.60	18.0	1.1	0.0	1.1	2.1
8	18.2	25.0	21.0	87.8	21.82	18.9	11.4	1.8	13.2	4.5
9	16.8	25.5	20.0	89.7	21.19	18.4	24.4	1.0	25.4	4.4
10	17.5	25.0	19.7	88.5	20.73	18.1	21.9	4.4	26.3	5.1
11	17.3	25.7	19.4	89.5	20.78	18.1	25.6	5.5	31.1	4.3
12	17.0	25.5	20.9	87.9	21.88	18.9	0.3	0.0	0.3	6.4
13	18.0	23.2	20.3	82.8	19.65	17.2	0.8	7.1	7.9	0.8
14	16.3	27.6	21.7	83.5	21.20	18.4	1.2	0.1	1.3	8.4
15	18.6	26.8	22.1	89.4	23.91	20.3	0.0	0.0	0.0	6.0
16	18.0	27.2	22.1	87.4	23.15	19.8	0.0	0.0	0.0	6.1
17	18.5	25.5	21.3	85.0	22.35	19.3	4.4	5.4	9.8	4.9
18	18.0	25.2	19.9	86.4	20.25	17.7	4.0	35.4	39.4	5.3
19	16.8	25.4	20.5	86.4	21.46	18.6	5.2	0.0	5.2	4.2
20	17.0	24.6	19.4	95.3	21.65	18.7	2.4	0.1	2.5	2.8
21	17.5	24.3	19.9	92.8	22.14	19.1	32.3	0.9	33.2	1.8
22	17.4	25.5	20.8	90.9	22.44	19.3	0.1	11.8	11.9	5.0
23	16.5	25.8	19.5	89.4	20.69	18.0	4.3	1.1	5.4	0.7
24	16.9	26.4	20.1	85.0	20.24	17.7	2.8	0.3	3.1	3.4
25	17.0	21.2	18.8	91.6	19.81	17.3	1.1	0.0	1.1	6.2
26	16.0	24.4	20.2	89.6	21.14	18.3	0.7	14.9	15.6	5.0
27	16.2	25.3	20.6	87.5	21.31	18.5	1.9	0.7	2.6	6.4
28	17.0	26.4	20.9	85.7	21.11	18.4	0.0	0.0	0.0	1.4
29	17.5	26.5	21.3	86.6	22.10	19.1	0.2	0.4	0.6	8.6
30	16.8	25.2	19.1	89.6	20.52	17.9	17.1	1.8	18.9	3.2
PROM	17.4	25.3	20.5	88.0	21.41	18.6	194.7	120.2	314.9	126.5

ESTACION: MONTELIBANO MUNICIPIO: YACOPI AÑO: 1.989

ALTITUD: 1.340 LATITUD: 5-28 N. LONGITUD: 74-22 W.

M E S – JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.4	25.0	20.0	86.4	20.27	17.7	0.5	0.0	0.5	4.5
2	17.4	25.5	20.9	84.1	20.81	18.1	0.4	0.0	0.4	5.1
3	17.3	26.8	21.3	84.5	21.59	18.7	5.7	0.0	5.7	8.3
4	16.8	26.9	21.1	79.8	20.81	18.1	1.4	0.0	1.4	5.4
5	17.8	25.2	20.8	84.7	20.64	18.0	0.0	0.4	0.4	1.7
6	16.7	25.6	19.7	87.3	19.97	17.5	0.0	0.0	0.0	7.1
7	17.4	26.5	20.5	74.7	18.10	15.9	0.0	0.0	0.0	8.0
8	15.2	26.0	20.3	88.2	21.06	18.3	0.0	0.0	0.0	6.7
9	16.0	26.3	21.0	78.8	19.38	16.9	0.0	0.0	0.0	10.3
10	17.0	26.2	21.9	78.6	20.79	18.1	0.0	0.0	0.0	9.3
11	17.2	26.5	21.8	81.7	21.38	18.5	0.0	0.0	0.0	7.2
12	18.2	27.5	22.6	62.1	16.50	14.4	0.0	0.0	0.0	10.8
13	19.0	27.6	22.9	69.7	19.54	17.1	0.0	2.2	2.2	3.1
14	18.8	28.5	23.0	66.5	18.46	16.3	0.0	0.0	0.0	8.4
15	19.8	28.7	24.0	58.0	17.37	15.3	0.0	0.0	0.0	9.7
16	19.0	27.2	22.3	71.9	19.53	17.1	0.0	0.0	0.0	5.8
17	18.0	27.5	22.6	63.4	17.38	15.3	0.0	0.0	0.0	8.5
18	19.0	28.0	23.0	72.2	20.27	17.7	0.0	0.0	0.0	7.2
19	18.4	25.8	22.0	85.0	22.62	19.4	1.0	0.6	1.6	5.6
20	17.5	25.6	21.0	90.1	22.26	19.2	9.4	0.0	9.4	4.2
21	17.8	25.2	20.5	90.0	21.59	18.7	0.0	0.4	0.4	2.6
22	18.0	23.7	19.9	89.1	20.81	18.1	3.0	0.0	3.0	1.7
23	17.5	25.0	20.8	89.5	22.11	19.1	0.0	0.4	0.4	4.8
24	17.8	25.2	20.5	86.2	21.05	18.3	0.5	0.5	1.0	3.8
25	16.5	25.1	19.2	89.9	20.25	17.7	21.6	0.0	21.6	4.0
26	17.5	24.0	20.1	89.8	21.02	18.3	0.0	0.1	0.1	1.1
27	17.7	24.6	20.6	88.7	21.57	18.7	0.0	0.3	0.3	0.7
28	17.8	24.5	20.9	90.7	22.66	19.5	0.2	0.0	0.2	3.6
29	17.3	26.6	21.7	86.0	22.04	19.0	0.9	34.1	35.0	6.6
30	16.8	27.5	21.8	80.0	20.33	17.7	0.0	0.0	0.0	9.9
31	17.5	27.2	22.4	81.8	22.28	19.2	0.0	6.8	6.8	7.5
PROM.	17.6	26.2	21.3	80.9	20.47	17.8	44.6	45.8	90.4	183.2

M E S – AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.3	27.5	21.6	81.7	20.93	18.2	0.0	0.0	0.0	5.3
2	17.8	26.5	21.5	78.4	20.22	17.6	0.0	0.0	0.0	6.4
3	17.5	25.9	20.7	84.9	21.16	18.4	31.6	0.1	31.7	6.8
4	17.0	25.8	21.0	83.7	21.24	18.5	10.2	0.0	10.2	5.1
5	18.0	27.5	22.3	82.4	21.69	18.7	0.0	5.0	5.0	6.7
6	16.8	26.2	21.9	69.2	17.23	15.1	0.0	0.0	0.0	7.3
7	17.5	26.0	21.6	86.0	21.96	19.0	0.0	0.0	0.0	7.7
8	19.0	26.7	22.4	86.9	23.48	20.1	0.0	11.2	11.2	6.5
9	15.8	26.8	19.8	81.0	19.02	16.6	0.6	0.0	0.6	6.1
10	17.6	25.8	21.5	85.3	21.63	18.7	0.0	0.0	0.0	3.5
11	18.5	26.2	21.2	87.3	21.79	18.8	0.0	0.0	0.0	6.3
12	17.5	25.0	21.1	89.4	22.32	19.2	0.0	0.0	0.0	5.0
13	18.4	26.6	22.1	82.5	21.66	18.7	0.0	0.7	0.7	7.3
14	17.5	24.5	20.2	89.9	21.07	18.3	2.5	0.0	2.5	3.0
15	18.0	25.8	21.3	85.4	21.33	18.5	0.0	0.0	0.0	1.5
16	18.4	27.4	21.3	79.9	20.38	17.8	3.3	0.0	3.3	5.5
17	16.5	25.5	21.4	77.5	19.61	17.1	0.0	0.0	0.0	3.3
18	17.6	27.6	23.0	73.9	20.65	18.0	0.0	0.0	0.0	9.1
19	18.3	27.5	22.3	80.6	21.52	18.6	0.0	0.0	0.0	4.1
20	18.4	24.0	20.8	86.1	21.15	18.3	0.9	11.6	12.5	5.0
21	17.5	26.4	20.7	87.7	21.17	18.4	0.0	2.1	2.1	
22	16.8	26.5	21.5	87.9	22.45	19.3	16.6	0.0	16.6	
23	17.3	25.8	21.4	87.5	22.09	19.0	0.3	0.5	0.8	1.7
24	17.0	26.8	20.9	87.2	21.67	18.7	0.0	0.1	0.1	7.0
25	16.0	24.4	20.1	90.2	21.00	18.2	0.0	0.0	0.0	4.9
26	17.0	25.8	21.6	84.9	21.76	18.8	56.0	0.0	56.0	5.3
27	17.2	26.9	21.4	85.1	21.35	18.5	0.0	1.7	1.7	6.2
28	18.0	27.4	22.1	80.3	21.30	18.4	0.8	35.5	36.3	5.2
29	16.5	25.1	20.5	87.7	20.91	18.2	5.3	27.0	32.3	3.3
30	16.2	22.4	19.3	86.1	18.92	16.6	0.0	0.7	0.7	2.5
31	16.4	24.7	19.9	87.9	20.18	17.6	0.0	0.0	0.0	2.8
PROM	17.4	26.0	21.2	84.0	21.06	18.3	128.1	96.2	224.3	

ESTACION: MONTELIBANO MUNICIPIO: YACOPI AÑO: 1.989

ALTITUD: 1.340 LATITUD: 5-28 N. LONGITUD: 74-22 W.

M E S - SEPTIEMBRE

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	26.2	20.9	84.5	20.43	17.8	0.0	0.4	0.4	7.7
2	18.2	26.4	21.7	83.9	21.39	18.5	0.0	0.0	0.0	8.3
3	18.0	27.3	21.7	83.9	21.44	18.5	0.0	35.8	35.8	6.5
4	16.4	24.5	20.3	87.1	20.77	18.1	0.0	0.0	0.0	6.4
5	17.8	23.8	20.2	89.2	21.14	18.4	0.0	5.9	5.9	3.0
6	16.8	24.0	19.3	89.8	20.48	17.9	8.1	1.1	9.2	3.4
7	16.5	23.5	19.7	91.2	20.96	18.2	1.9	3.4	5.3	2.4
8	18.3	23.6	19.2	88.0	19.86	17.4	2.6	0.2	2.8	4.8
9	17.3	25.5	19.8	86.1	20.30	17.7	35.2	19.4	54.6	4.6
10	16.0	25.6	20.4	83.6	19.55	17.1	4.3	18.0	22.3	7.6
11	16.4	23.6	19.8	91.0	20.95	18.2	1.4	0.2	1.6	6.5
12	17.0	24.5	20.3	90.9	21.59	18.6	3.3	13.5	16.8	6.4
13	17.2	25.2	21.4	86.1	22.06	19.1	0.0	27.8	27.8	6.5
14	15.5	24.4	20.0	89.1	20.72	18.0	0.9	9.5	10.4	7.5
15	16.5	25.3	20.9	85.5	21.22	18.4	0.0	0.1	0.1	8.2
16	18.4	26.7	22.0	79.8	20.98	18.2	0.0	4.1	4.1	7.6
17	16.4	27.2	20.6	81.1	19.83	17.4	0.4	2.0	2.4	9.2
18	16.8	24.8	20.4	90.3	21.54	18.7	0.0	4.2	4.2	4.9
19	17.4	22.4	19.2	93.5	20.80	18.1	4.5	0.6	5.1	3.9
20	17.3	20.3	18.0	96.4	19.81	17.3	4.7	0.3	5.0	0.7
21	17.2	24.5	19.6	90.4	20.82	18.1	1.4	17.7	19.1	3.6
22	16.4	22.6	19.5	90.4	20.62	18.0	3.3	0.8	4.1	2.1
23	17.0	25.2	20.9	89.1	21.97	18.9	1.6	0.4	2.0	7.6
24	16.8	25.5	20.3	84.7	20.38	17.8	13.0	66.3	79.3	7.0
25	16.0	24.8	19.1	88.3	19.77	17.3	3.2	8.9	12.1	5.7
26	16.2	25.2	20.4	87.8	20.75	18.0	0.0	23.7	23.7	5.8
27	16.5	22.8	18.2	93.6	19.75	17.3	8.6	6.4	15.0	3.2
28	16.0	25.2	19.6	88.7	20.46	17.8	27.9	21.6	49.5	3.1
29	16.1	23.6	19.6	90.6	20.60	17.9	0.0	0.0	0.0	0.9
30	17.5	26.2	20.9	85.8	20.98	18.2	0.0	0.0	0.0	4.2
PROM.	16.9	24.7	20.1	88.0	20.73	18.0	126.3	292.3	418.6	159.3

M E S - OCTUBRE

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.6	26.6	20.0	85.5	20.99	18.2	29.5	0.0	29.5	7.8
2	17.2	23.6	19.8	89.9	20.95	18.2	1.3	2.1	3.4	2.7
3	17.0	23.8	19.4	91.1	20.68	18.0	0.3	2.7	3.0	4.2
4	17.2	22.0	17.7	92.0	18.63	16.4	24.7	0.1	24.8	0.5
5	16.5	25.4	20.9	81.9	20.33	17.7	0.0	0.0	0.0	4.1
6	16.6	25.5	21.0	88.6	21.91	18.9	0.0	3.9	3.9	8.0
7	16.4	25.7	20.4	86.8	20.85	18.1	52.0	36.2	88.2	8.2
8	15.7	25.3	20.5	83.0	20.09	17.6	0.2	0.0	0.2	2.9
9	16.8	25.2	19.7	87.7	20.25	17.7	1.3	2.7	4.0	1.5
10	17.2	24.8	19.3	88.2	20.20	17.7	39.1	4.6	43.7	4.1
11	17.0	23.2	17.9	94.6	19.52	17.1	7.7	1.3	9.0	1.7
12	16.8	23.5	18.6	92.7	20.29	17.7	39.2	0.6	39.8	2.1
13	16.5	24.6	20.1	86.1	20.04	17.5	2.1	7.4	9.5	5.8
14	16.8	25.7	20.2	87.7	21.06	18.3	0.0	7.1	7.1	4.4
15	16.4	25.4	20.0	88.3	20.66	18.0	0.5	0.0	0.5	4.4
16	17.3	24.5	19.4	88.5	20.52	17.9	30.0	1.9	31.9	5.9
17	16.5	26.7	19.8	85.3	20.02	17.5	28.5	1.7	30.2	6.0
18	17.2	25.2	20.1	92.8	21.97	18.9	0.0	10.3	10.3	2.5
19	17.4	27.0	20.3	83.7	19.85	17.3	1.9	0.3	2.2	4.0
20	18.0	27.5	21.6	87.6	22.46	19.3	0.0	3.5	3.5	7.6
21	16.8	25.5	20.8	89.7	21.94	18.9	0.0	5.4	5.4	6.6
22	17.5	24.0	20.1	90.3	21.42	18.6	0.0	0.0	0.0	2.6
23	17.4	24.2	20.6	86.2	21.18	18.4	0.0	1.1	1.1	7.1
24	18.0	23.8	20.1	89.8	21.28	18.5	0.8	6.0	6.8	4.1
25	17.0	25.0	20.3	88.6	21.10	18.4	4.2	1.4	5.6	3.8
26	17.4	24.6	20.0	90.9	21.63	18.7	25.4	0.0	25.4	5.7
27	17.2	25.1	20.2	93.4	22.35	19.3	0.0	40.6	40.6	4.7
28	17.4	23.0	20.1	88.3	20.73	18.0	0.0	1.0	1.0	3.4
29	17.8	24.5	20.1	91.5	21.75	18.8	0.0	0.0	0.0	2.0
30	18.0	24.6	20.7	89.3	21.91	19.0	0.0	7.6	7.6	4.6
31	17.0	24.8	20.3	92.3	22.04	19.0	5.3	38.7	44.0	0.4
PROM	17.1	24.8	20.0	88.8	20.92	18.2	294.0	188.2	482.2	133.4

ESTACION: MONTELIBANO MUNICIPIO: YACOPI AÑO: 1.989

ALTITUD: 1.340 LATITUD: 5-28 N. LONGITUD: 74-22 W.

M E S – NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.5	24.6	19.4	95.0	21.26	18.4	2.1	0.0	2.1	3.0
2	18.0	23.6	19.2	93.4	21.18	18.4	5.5	30.0	35.5	3.9
3	17.0	23.5	20.0	89.0	20.79	18.1	0.0	11.4	11.4	5.8
4	17.5	22.6	19.5	91.9	20.87	18.2	24.0	0.0	24.0	2.3
5	17.6	23.0	19.3	93.4	20.98	18.3	0.0	0.0	0.0	4.2
6	16.6	24.0	20.6	87.9	21.19	18.4	0.0	0.0	0.0	5.5
7	17.2	24.4	20.8	86.3	21.35	18.6	0.0	0.1	0.1	6.0
8	17.4	24.2	20.1	86.9	20.57	17.9	0.1	2.3	2.4	5.2
9	17.5	24.0	20.2	88.4	20.71	18.1	0.0	0.0	0.0	8.0
10	17.4	24.2	20.2	86.4	20.67	18.0	0.0	0.6	0.6	7.9
11	17.5	24.0	19.7	88.3	20.41	17.8	0.0	6.0	6.0	6.5
12	17.4	22.4	18.6	90.5	19.52	17.1	0.0	0.0	0.0	1.5
13	17.0	22.6	19.2	90.4	20.22	17.7	0.0	0.0	0.0	3.3
14	16.5	24.0	20.5	87.8	21.10	18.3	0.0	41.4	41.4	6.3
15	16.0	24.6	20.5	89.4	21.46	18.5	0.0	0.2	0.2	6.5
16	18.6	25.0	21.0	90.0	22.57	19.4	0.8	9.4	10.2	4.7
17	17.4	25.2	20.8	83.4	20.35	17.8	0.0	6.3	6.3	4.9
18	16.5	26.3	19.9	88.4	20.98	18.2	15.5	0.2	15.7	5.7
19	18.0	26.0	21.4	89.8	22.82	19.6	0.0	0.4	0.4	6.0
20	18.8	26.5	22.2	88.0	23.59	20.1	0.0	5.6	5.6	6.0
21	17.4	25.4	20.5	90.8	22.02	19.0	0.0	0.0	0.0	4.5
22	18.0	25.0	20.9	92.2	23.01	19.7	0.2	0.2	0.4	2.2
23	18.4	24.2	20.2	91.5	21.97	19.0	14.0	4.0	18.0	2.7
24	18.3	27.5	22.9	70.9	19.17	16.8	0.0	0.0	0.0	8.8
25	18.0	26.6	21.0	85.6	21.24	18.4	0.0	0.0	0.0	4.9
26	18.1	25.8	21.0	87.6	22.02	19.0	0.0	0.0	0.0	4.6
27	18.6	24.3	20.4	94.4	22.82	19.6	4.9	0.0	4.9	3.5
28	18.0	25.5	21.3	90.7	22.76	19.5	0.0	11.2	11.2	2.0
29	18.6	24.8	21.1	90.0	22.52	19.4	0.0	48.9	48.9	6.3
30	16.6	24.6	20.5	84.7	20.26	17.7	0.8	0.1	0.9	2.5
PROM.	17.6	24.6	20.4	88.8	21.35	18.5	67.9	178.3	246.2	145.2

M E S – DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.8	23.6	20.1	91.3	21.66	18.8	0.0	9.6	9.6	0.6
2	17.0	21.2	18.7	92.3	20.01	17.5	2.0	0.9	2.9	0.1
3	16.9	24.5	20.1	88.4	20.95	18.2	0.0	13.8	13.8	7.5
4	17.0	21.4	19.0	91.1	20.13	17.6	0.2	23.2	23.4	0.8
5	16.6	23.8	19.5	89.3	20.50	17.9	2.7	2.0	4.7	3.6
6	17.2	24.8	20.2	87.7	20.73	18.1	0.0	0.0	0.0	6.2
7	18.0	24.5	20.7	91.1	22.19	19.2	0.0	0.0	0.0	4.1
8	16.0	25.8	20.8	89.1	21.86	18.9	0.3	0.0	0.3	4.1
9	18.5	25.0	20.9	86.8	21.43	18.6	0.5	0.0	0.5	3.0
10	18.2	24.6	20.9	87.5	21.42	18.6	0.0	0.0	0.0	3.4
11	18.0	24.5	20.6	87.0	21.27	18.5	0.0	0.0	0.0	6.7
12	18.2	23.6	20.1	89.0	21.16	18.4	0.0	0.3	0.3	4.3
13	18.0	24.4	20.2	89.3	21.34	18.5	0.4	0.0	0.4	4.0
14	18.4	24.0	20.1	88.8	21.19	18.4	0.0	0.0	0.0	3.2
15	17.4	24.5	20.4	88.8	21.24	18.4	0.0	0.0	0.0	5.7
16	18.0	23.5	19.6	90.8	21.08	18.3	0.0	0.0	0.0	1.7
17	17.0	24.8	20.9	87.5	21.54	18.7	0.0	0.0	0.0	6.2
18	16.8	25.0	19.5	89.3	20.63	18.0	0.0	0.0	0.0	5.4
19	17.5	24.8	20.6	88.9	21.44	18.6	0.0	0.0	0.0	4.8
20	17.4	25.4	20.9	88.0	21.97	19.0	0.0	0.0	0.0	3.4
21	17.8	24.5	20.7	90.1	22.04	19.0	0.0	0.0	0.0	4.8
22	17.5	25.4	20.8	88.8	21.71	18.8	0.0	0.0	0.0	4.3
23	17.6	24.0	19.7	86.7	19.98	17.5	0.0	0.0	0.0	3.4
24	16.8	23.8	19.4	86.9	19.88	17.4	0.0	0.0	0.0	3.2
25	17.5	22.8	19.5	89.1	20.40	17.8	0.0	16.7	16.7	3.6
26	17.2	22.5	18.9	90.3	19.90	17.4	0.6	0.1	0.7	1.7
27	17.0	22.4	19.1	92.1	20.45	17.8	2.0	0.0	2.0	1.7
28	16.5	23.0	19.7	88.9	20.40	17.8	0.0	0.4	0.4	5.4
29	16.7	23.5	19.6	86.8	19.75	17.3	0.0	0.0	0.0	7.0
30	16.0	24.5	20.1	81.7	19.23	16.9	0.0	0.0	0.0	7.9
31	16.2	24.3	20.2	85.7	20.09	17.5	0.0	0.0	0.0	8.0
PROM	17.3	24.0	20.0	88.7	20.89	18.2	8.7	67.0	75.7	129.8

ESTACION: MONTELIBANO MUNICIPIO: YACOPI AÑO: 1.989

ALTITUD: 1.340 LATITUD: 5-28 N. LONGITUD: 74-22 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	17.1	23.9	19.9	15.8	26.2	89.6	20.84	18.1	297.7	24	122.3
FEBRERO	16.8	23.3	19.6	15.5	27.8	89.6	20.42	17.8	174.0	18	98.8
MARZO	16.7	23.4	19.5	15.4	28.2	87.5	19.90	17.4	125.4	19	128.3
ABRIL	17.6	25.1	20.6	16.0	27.0	88.3	21.53	18.6	329.7	22	116.8
MAYO	17.3	24.9	20.5	16.0	27.0	87.2	20.96	18.2	304.5	25	136.9
JUNIO	17.4	25.3	20.5	16.0	27.6	88.0	21.41	18.6	314.9	24	126.5
JULIO	17.6	26.2	21.3	15.2	28.7	80.9	20.47	17.8	90.4	18	183.2
AGOSTO	17.4	26.0	21.2	15.8	27.6	84.0	21.06	18.3	224.3	18	
SEPTIEMBRE	16.9	24.7	20.1	15.5	27.3	88.0	20.73	18.0	418.6	26	159.3
OCTUBRE	17.1	24.8	20.0	15.7	27.5	88.8	20.92	18.2	482.2	28	133.4
NOVIEMBRE	17.6	24.6	20.4	16.0	27.5	88.8	21.35	18.5	246.2	21	145.2
DICIEMBRE	17.3	24.0	20.0	16.0	25.8	88.7	20.89	18.2	75.7	13	129.8
PROMEDIO	17.2	24.7	20.3	15.7	27.4	87.5	20.87	18.1			
TOTAL									3083.6	256	

ESTACION: SANTA BARBARA **MUNICIPIO:** SASAIMA **AÑO:** 1.969

ALTITUD: 1.450 **LATITUD:** 4-56 N. **LONGITUD:** 74-25 W.

M E S – ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.4	21.6	18.8	87.7	18.90	16.6	5.2	10.2	15.4	0.7
2	15.5	22.0	18.6	85.1	18.22	16.0	0.7	47.2	47.9	0.1
3	16.0	21.8	18.9	89.3	19.28	16.9	0.3	0.1	0.4	0.7
4	16.5	25.8	19.3	82.7	18.71	16.5	63.6	4.5	68.1	3.9
5	15.5	22.8	19.0	85.0	18.52	16.3	1.3	0.1	1.4	0.8
6	15.0	24.0	19.1	91.0	20.09	17.5	0.5	0.0	0.5	3.6
7	15.5	24.4	18.6	85.3	18.45	16.2	12.8	0.0	12.8	4.4
8	14.5	25.3	19.9	83.0	19.07	16.7	0.0	0.0	0.0	6.9
9	14.2	23.2	19.2	80.4	17.71	15.6	0.0	0.0	0.0	4.2
10	15.5	22.5	18.3	84.0	17.65	15.5	0.0	0.2	0.2	0.9
11	15.6	25.0	19.6	84.7	19.22	16.9	0.1	3.5	3.6	2.9
12	15.3	24.8	19.6	77.0	17.32	15.2	0.0	0.0	0.0	7.9
13	17.0	23.2	18.8	87.8	19.42	17.0	3.6	0.0	3.6	0.7
14	16.0	25.5	19.7	80.1	18.48	16.2	1.2	0.0	1.2	5.1
15	14.0	25.7	19.5	79.7	18.03	15.8	0.0	0.0	0.0	7.2
16	15.0	25.5	19.7	83.7	19.42	17.0	0.7	0.0	0.7	5.8
17	16.3	23.8	19.4	85.7	19.39	17.0	3.0	0.0	3.0	3.3
18	16.5	24.5	19.6	85.3	19.63	17.2	8.1	0.0	8.1	2.4
19	15.8	26.3	20.7	78.2	18.59	16.4	0.0	0.0	0.0	7.2
20	15.6	25.8	20.4	82.0	19.49	17.1	0.6	0.0	0.6	6.5
21	15.5	24.5	20.1	82.0	19.22	16.8	0.0	0.0	0.0	4.1
22	16.3	25.8	19.2	86.5	19.43	17.0	0.0	0.0	0.0	2.6
23	15.5	26.6	20.2	77.0	18.00	15.8	0.0	0.0	0.0	7.4
24	13.7	25.8	19.7	78.5	18.19	15.9	0.0	0.0	0.0	7.1
25	15.3	25.0	20.0	80.8	18.87	16.5	11.0	1.0	12.0	4.4
26	15.5	25.2	19.2	85.6	19.22	16.8	10.6	41.9	52.5	4.8
27	15.8	22.1	18.4	90.0	18.92	16.6	0.0	65.2	65.2	0.4
28	16.2	22.0	18.9	88.7	19.32	17.0	4.5	4.3	8.8	0.3
29	16.9	25.1	20.0	82.4	18.90	16.6	0.0	11.3	11.3	3.7
30	16.8	23.8	19.7	83.1	18.88	16.6	0.0	0.0	0.0	2.9
31	16.7	22.6	18.6	84.4	18.46	16.2	11.5	0.2	11.7	0.7
PROM.	15.6	24.3	19.4	83.8	18.81	16.5	139.3	189.7	329.0	113.6

M E S – FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.4	23.6	19.1	86.3	19.17	16.8	1.2	3.1	4.3	1.5
2	16.8	24.8	19.9	82.0	18.76	16.4	0.0	43.8	43.8	2.1
3	15.5	21.5	18.2	86.8	17.99	15.8	0.0	35.6	35.6	0.0
4	15.0	22.6	18.2	86.3	17.99	15.8	1.2	0.9	2.1	1.5
5	15.8	23.5	18.9	84.6	18.21	16.0	0.0	0.0	0.0	1.5
6	14.5	24.7	20.2	77.6	18.49	16.2	0.3	0.0	0.3	5.7
7	15.8	26.2	20.5	78.1	18.43	16.2	0.0	3.0	3.0	5.3
8	15.0	25.8	19.7	81.4	18.54	16.3	0.9	0.5	1.4	3.0
9	15.1	24.0	19.5	83.8	18.95	16.6	4.2	13.4	17.6	2.6
10	15.4	22.8	19.1	83.2	18.05	15.9	0.1	67.6	67.7	0.4
11	16.0	19.8	17.2	90.1	17.69	15.6	0.4	0.0	0.4	0.0
12	14.2	22.6	18.6	86.5	18.37	16.1	0.2	0.0	0.2	3.4
13	15.0	22.6	18.6	87.5	18.82	16.5	2.7	0.0	2.7	3.9
14	15.6	23.5	17.8	81.5	17.08	15.0	66.7	1.0	67.7	3.8
15	15.2	25.5	20.1	76.8	17.73	15.6	0.0	0.0	0.0	3.9
16	15.6	24.8	19.2	77.4	17.17	15.1	0.0	0.0	0.0	5.2
17	15.0	23.6	19.4	75.8	16.81	14.7	0.0	12.2	12.2	3.7
18	15.5	25.0	18.9	84.3	18.31	16.1	4.5	0.0	4.5	3.6
19	16.5	25.2	20.2	77.8	18.11	15.9	0.0	12.8	12.8	2.4
20	15.7	24.5	19.4	83.5	18.67	16.4	0.0	0.0	0.0	2.0
21	15.0	23.0	18.5	88.6	18.96	16.6	3.6	0.0	3.6	1.6
22	15.3	23.2	18.7	88.5	19.17	16.8	0.0	0.8	0.8	2.0
23	16.0	23.0	17.1	94.2	18.36	16.2	16.0	0.0	16.0	1.2
24	13.9	22.0	18.5	84.4	17.61	15.5	0.0	46.8	46.8	0.0
25	16.0	22.4	19.1	84.6	18.60	16.4	0.0	0.0	0.0	2.1
26	16.2	23.0	18.9	90.0	19.47	17.1	0.9	0.5	1.4	1.0
27	16.5	24.5	20.2	81.5	19.01	16.7	0.0	0.0	0.0	2.1
28	16.0	27.4	20.9	73.7	18.14	16.0	0.0	0.0	0.0	9.3
PROM	15.5	23.8	19.1	83.5	18.31	16.1	102.9	242.0	344.9	74.8

ESTACION: SANTA BARBARA MUNICIPIO: SASAIMA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 4-56 N. LONGITUD: 74-25 W

M E S — MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.5	26.5	22.0	62.0	16.59	14.5	0.0	0.0	0.0	8.6
2	15.0	27.2	19.3	83.2	18.90	16.5	0.0	1.0	1.0	5.0
3	15.2	25.5	19.5	92.4	21.03	18.3	0.0	20.0	20.0	4.1
4	17.5	25.0	20.7	81.7	19.75	17.3	0.0	0.0	0.0	3.4
5	15.8	21.4	18.3	93.5	19.67	17.2	0.0	3.0	3.0	0.6
6	16.5	26.3	20.3	80.9	19.23	16.9	0.0	21.0	21.0	3.9
7	15.8	23.8	18.6	86.4	18.66	16.4	0.0	14.0	14.0	2.1
8	16.0	20.0	17.7	88.5	17.95	15.8	0.0	0.0	0.0	0.1
9	16.5	24.3	19.1	83.1	18.28	16.1	0.0	14.0	14.0	2.6
10	16.3	23.8	19.7	86.6	19.88	17.4	0.0	0.0	0.0	2.2
11	16.5	20.8	17.8	93.0	19.00	16.7	3.3	3.0	6.3	0.0
12	16.0	20.0	18.0	91.9	18.94	16.6	3.1	14.1	17.2	0.0
13	15.8	19.6	17.7	93.4	18.95	16.7	1.4	0.3	1.7	0.0
14	15.6	24.0	17.6	90.3	18.35	16.1	49.2	28.0	77.2	1.6
15	15.0	24.8	19.4	85.3	19.05	16.7	1.3	3.4	4.7	2.9
16	15.8	24.0	18.7	85.5	18.49	16.3	0.4	0.0	0.4	1.9
17	15.2	26.0	19.0	83.6	18.46	16.2	1.4	8.8	10.2	8.0
18	16.5	24.2	19.3	82.5	18.56	16.3	0.0	32.7	32.7	2.1
19	15.4	22.0	18.3	92.5	19.23	16.9	3.1	0.0	3.1	1.2
20	16.0	22.3	17.2	92.8	18.12	15.9	6.1	0.0	6.1	0.7
21	15.2	23.7	18.8	83.2	18.07	15.9	0.0	1.6	1.6	3.4
22	15.0	26.2	19.7	82.4	18.74	16.5	0.1	41.5	41.6	6.5
23	14.3	25.5	19.4	81.1	18.03	15.9	0.0	0.3	0.3	4.9
24	15.0	23.5	18.5	84.1	17.73	15.6	2.8	0.0	2.8	4.0
25	14.8	26.8	20.7	76.0	18.31	16.0	0.0	0.0	0.0	9.5
26	15.0	26.5	18.9	78.0	17.30	15.2	44.8	40.1	84.9	6.1
27	15.5	25.2	18.9	83.7	18.02	15.9	4.1	7.2	11.3	5.3
28	16.0	25.6	19.5	81.6	18.65	16.4	2.5	0.0	2.5	3.2
29	15.5	22.6	18.4	84.0	17.85	15.7	0.2	0.0	0.2	1.9
30	13.0	27.4	20.9	75.4	18.18	15.9	0.0	57.7	57.7	9.6
31	15.5	23.7	18.2	92.0	19.19	16.8	0.5	19.8	20.3	2.3
PROM.	15.6	24.1	19.0	84.9	18.62	16.3	124.3	331.5	455.8	107.7

M E S — ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.5	24.2	18.6	88.1	18.96	16.7	37.7	8.6	46.3	2.2
2	16.4	22.5	18.3	90.9	19.02	16.7	0.4	1.6	2.0	0.9
3	16.5	21.2	18.9	91.5	19.92	17.4	1.3	0.9	2.2	0.0
4	15.0	22.8	18.9	89.3	19.38	17.0	1.3	0.0	1.3	1.2
5	17.2	25.4	20.1	83.9	19.70	17.3	0.0	0.0	0.0	3.1
6	15.0	23.4	19.4	86.5	19.58	17.2	0.0	0.0	0.0	1.6
7	15.5	27.6	21.4	69.9	17.43	15.3	0.0	0.0	0.0	9.2
8	16.0	27.0	21.3	77.7	19.38	17.0	0.0	0.3	0.3	8.1
9	15.5	26.2	21.1	76.7	19.29	16.9	0.1	0.0	0.1	5.3
10	16.5	24.0	19.8	88.6	20.62	18.0	1.9	0.0	1.9	4.1
11	14.4	26.2	21.5	74.3	18.87	16.6	0.0	0.0	0.0	6.6
12	16.5	24.5	20.7	85.0	20.47	17.9	0.0	18.0	18.0	1.7
13	15.2	23.8	19.8	89.1	20.36	17.8	0.0	0.8	0.8	0.4
14	17.0	23.5	19.4	89.9	20.47	17.9	20.4	1.7	22.1	0.8
15	15.5	23.6	19.5	92.0	21.17	18.4	0.0	0.0	0.0	1.9
16	15.0	24.5	20.5	88.1	21.25	18.4	2.5	11.3	13.8	3.6
17	14.8	27.0	19.9	87.8	20.71	18.0	18.9	0.0	18.9	6.4
18	15.6	27.7	19.5	81.4	19.26	16.9	31.2	11.4	42.6	6.7
19	15.2	26.8	20.8	85.1	20.75	18.0	1.8	18.2	20.0	6.9
20	16.4	24.2	20.7	72.9	18.36	15.6	0.0	0.0	0.0	1.8
21	16.0	26.4	21.3	82.7	20.83	18.1	0.0	0.0	0.0	6.1
22	18.0	25.2	20.6	93.0	22.86	19.6	1.9	0.0	1.9	3.1
23	17.0	24.5	19.7	86.4	20.39	17.8	22.0	0.0	22.0	1.2
24	16.0	26.6	20.7	84.3	20.50	17.9	0.0	0.0	0.0	2.9
25	16.5	28.2	21.8	75.2	19.52	17.1	0.0	0.2	0.2	5.8
26	16.3	25.4	20.4	88.0	21.05	18.3	0.0	0.9	0.9	0.6
27	16.4	24.0	20.2	89.4	21.06	18.3	8.3	0.0	8.3	1.8
28	16.0	23.2	18.3	94.7	19.87	17.4	1.2	0.0	1.2	0.2
29	15.0	24.8	18.9	90.5	19.90	17.4	8.3	0.0	8.3	1.6
30	16.8	25.7	20.7	82.3	20.08	17.6	0.1	0.0	0.1	3.0
PROM	16.0	25.0	20.1	85.2	20.03	17.5	159.3	73.9	233.2	98.8

ESTACION: SANTA BARBARA MUNICIPIO: SASAIMA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 4-56 N. LONGITUD: 74-25 W.

M E S — MAYO

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.7	23.5	19.4	88.2	20.20	17.7	16.4	3.3	19.7	1.1
2	16.0	26.0	19.6	85.4	19.51	17.1	1.5	2.9	4.4	4.4
3	16.4	24.7	19.3	86.2	19.23	16.9	0.0	11.8	11.8	2.6
4	13.5	24.5	20.4	83.2	19.88	17.4	0.1	21.3	21.4	3.0
5	14.5	23.0	19.2	85.0	19.01	16.6	0.0	1.8	1.8	2.7
6	16.5	21.6	18.8	90.6	19.69	17.2	0.0	1.5	1.5	0.0
7	16.0	25.5	20.4	85.4	20.33	17.7	0.0	11.3	11.3	2.2
8	16.5	21.5	18.4	94.4	20.02	17.5	0.2	0.6	0.8	0.6
9	16.0	26.5	20.2	82.2	19.29	16.9	0.2	0.5	0.7	5.8
10	17.2	22.6	18.8	91.3	20.00	17.5	6.0	0.0	6.0	2.2
11	15.3	27.2	21.7	72.8	18.95	16.6	0.0	0.0	0.0	9.8
12	15.5	26.4	20.6	75.3	18.71	16.4	6.1	1.0	7.1	5.0
13	15.7	24.0	18.2	90.2	19.11	16.8	5.1	0.0	5.1	2.4
14	16.5	25.5	20.3	88.2	20.91	18.2	1.0	0.4	1.4	2.6
15	16.0	25.5	20.9	80.7	19.62	17.2	0.0	0.0	0.0	5.2
16	15.0	28.0	21.9	77.7	20.19	17.6	0.1	0.0	0.1	9.8
17	16.0	27.4	21.5	69.4	18.29	16.0	0.0	0.0	0.0	5.8
18	16.2	28.2	21.9	74.2	19.74	17.3	0.0	0.0	0.0	5.6
19	16.0	26.3	20.6	77.9	18.94	16.5	1.8	0.0	1.8	3.6
20	15.8	26.0	20.9	77.4	19.10	16.8	0.0	0.0	0.0	5.2
21	16.4	22.6	20.0	80.7	18.95	16.7	0.6	0.0	0.6	0.4
22	17.0	24.7	20.6	74.0	18.31	16.1	1.8	0.2	2.0	2.6
23	15.5	23.8	19.7	80.9	18.98	16.7	0.8	0.0	0.8	2.9
24	16.5	23.5	19.5	89.1	20.29	17.7	0.1	1.4	1.5	3.1
25	17.0	19.4	17.7	96.6	19.66	17.2	8.3	0.0	8.3	0.1
26	15.0	22.7	18.0	90.1	18.96	16.7	5.3	0.2	5.5	1.7
27	14.5	24.6	19.6	83.6	19.22	16.9	3.8	0.0	3.8	6.9
28	16.5	23.5	18.6	92.0	19.91	17.4	4.2	0.0	4.2	1.4
29	13.5	24.3	19.5	82.5	18.97	16.6	3.6	6.9	10.5	4.1
30	15.0	25.2	20.7	83.5	20.13	17.6	0.7	0.0	0.7	3.9
31	15.5	25.8	21.1	82.3	20.57	17.9	0.0	0.0	0.0	5.5
PROM.	15.8	24.6	19.9	83.6	19.51	17.1	67.7	65.1	132.8	112.2

M E S — JUNIO

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.2	27.5	21.2	74.0	18.60	16.3	0.0	0.0	0.0	4.2
2	16.0	23.5	19.6	84.4	19.23	16.8	14.7	0.0	14.7	2.7
3	15.5	20.0	18.3	90.5	19.26	16.9	0.7	0.1	0.8	0.2
4	15.4	24.5	20.0	77.9	17.86	15.7	0.2	0.0	0.2	3.1
5	16.0	25.0	19.8	82.2	19.26	16.9	0.1	0.0	0.1	3.5
6	15.0	23.5	19.7	86.4	20.13	17.6	1.8	43.1	44.9	3.8
7	14.8	24.2	20.0	84.7	20.06	17.6	5.4	0.0	5.4	1.9
8	14.5	24.7	20.1	85.4	19.83	17.4	0.1	0.0	0.1	4.4
9	15.4	25.0	20.5	82.5	19.96	17.4	0.7	0.0	0.7	3.4
10	16.0	25.2	20.6	82.9	20.05	17.5	0.0	0.0	0.0	3.3
11	16.1	25.8	21.1	74.0	18.08	15.9	0.0	1.9	1.9	3.2
12	15.6	25.0	19.4	83.2	19.18	16.8	13.3	0.2	13.5	4.8
13	15.5	22.6	18.1	88.6	18.33	16.1	5.4	0.7	6.1	1.3
14	15.4	27.0	21.1	77.5	19.52	17.1	0.0	0.0	0.0	6.6
15	15.6	27.3	22.6	61.5	16.49	14.2	0.0	0.0	0.0	7.2
16	15.0	27.5	21.7	54.5	14.23	11.6	0.0	0.0	0.0	6.5
17	15.5	25.0	20.5	75.9	18.30	16.0	0.0	0.1	0.1	3.2
18	15.4	24.3	19.8	78.1	18.25	16.0	3.7	0.0	3.7	3.8
19	14.5	24.2	19.7	83.2	19.36	17.0	1.7	0.3	2.0	4.5
20	14.6	24.7	19.1	84.8	19.02	16.7	0.0	0.0	0.0	3.5
21	15.2	23.4	18.6	85.3	18.51	16.3	20.3	2.4	22.7	2.1
22	14.8	24.0	19.5	82.9	18.89	16.5	0.8	0.0	0.8	4.2
23	15.6	22.5	19.3	84.3	18.81	16.5	2.3	0.0	2.3	1.3
24	13.8	24.5	19.7	83.8	18.95	16.6	0.0	0.0	0.0	2.3
25	15.7	21.5	18.2	92.4	19.51	17.1	15.4	0.0	15.4	1.6
26	14.0	24.5	20.0	77.7	18.13	15.9	0.0	0.0	0.0	3.8
27	13.8	24.8	20.0	79.6	18.66	16.4	4.6	2.5	7.1	6.2
28	16.0	25.5	19.8	79.4	18.17	16.0	0.0	0.2	0.2	4.5
29	16.4	25.0	20.3	79.1	19.08	16.8	0.0	0.0	0.0	5.8
30	14.5	23.6	19.8	83.1	19.21	16.9	0.4	0.0	0.4	1.6
PROM	15.2	24.5	19.9	80.7	18.76	16.4	91.6	51.5	143.1	108.5

ESTACION: SANTA BARBARA **MUNICIPIO:** SASAIMA **AÑO:** 1.989

ALTITUD: 1.450 **LATITUD:** 4-56 N. **LONGITUD:** 74-25 W

M E S – JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.5	25.0	18.9	80.6	17.46	15.3	0.9	0.0	0.9	5.5
2	15.5	24.0	18.6	81.6	17.48	15.4	0.0	0.2	0.2	3.3
3	14.4	24.5	19.0	76.4	16.60	14.6	0.0	0.0	0.0	6.5
4	12.7	25.2	19.7	66.0	15.15	13.1	0.0	0.0	0.0	7.2
5	14.5	21.8	18.0	91.1	18.72	16.5	0.0	0.0	0.0	0.6
6	14.0	23.0	18.6	81.8	17.71	15.6	0.8	0.0	0.8	4.5
7	15.0	22.4	19.1	80.8	17.61	15.5	0.0	0.0	0.0	1.6
8	13.2	24.5	18.7	73.5	15.55	13.5	0.0	0.0	0.0	5.0
9	13.0	25.7	19.3	77.4	16.89	14.8	0.0	0.0	0.0	1.9
10	14.2	25.5	20.2	76.0	18.04	15.9	0.0	0.0	0.0	6.6
11	13.5	25.0	19.8	67.0	15.60	13.6	0.0	0.0	0.0	5.4
12	14.0	24.5	20.8	64.5	15.27	13.3	0.0	0.0	0.0	5.6
13	16.5	26.5	20.6	67.7	16.89	14.9	0.0	0.0	0.0	5.8
14	16.0	26.2	20.8	71.4	17.05	15.0	0.2	0.0	0.2	6.6
15	19.0	27.6	23.3	54.1	15.87	13.9	0.0	0.0	0.0	7.7
16	18.0	23.0	20.4	73.0	17.42	15.3	0.0	0.0	0.0	6.8
17	17.2	24.2	19.7	75.9	17.56	15.5	0.1	0.0	0.1	4.0
18	15.7	24.5	20.8	73.7	18.27	16.1	0.0	0.0	0.0	1.2
19	15.2	25.5	20.4	77.1	18.21	16.0	0.0	0.0	0.0	3.9
20	16.5	23.4	20.1	84.1	18.82	17.4	0.8	0.0	0.8	2.3
21	14.2	22.5	19.5	81.5	18.20	16.0	0.5	0.1	0.6	1.4
22	16.0	22.0	18.7	94.2	20.28	17.7	3.8	0.0	3.8	0.8
23	13.5	23.6	18.9	85.5	18.44	16.2	0.7	2.3	3.0	2.8
24	14.5	25.0	20.3	82.3	19.64	17.2	0.7	0.0	0.7	3.7
25	14.8	26.0	19.4	81.7	18.91	16.6	0.7	0.2	0.9	2.8
26	14.5	22.5	18.4	86.5	18.49	16.3	2.1	0.0	2.1	0.3
27	15.0	25.0	19.4	81.7	18.12	16.0	0.0	0.0	0.0	2.1
28	14.2	24.4	19.7	84.1	19.32	16.9	0.0	0.0	0.0	3.1
29	14.8	26.5	20.6	76.7	18.57	16.3	0.0	0.0	0.0	6.7
30	15.6	27.0	21.3	75.5	18.57	16.3	0.0	2.4	2.4	7.6
31	14.6	27.2	21.7	74.0	18.92	16.6	0.0	0.0	0.0	7.9
PROM.	15.0	24.6	19.8	77.3	17.76	15.6	11.3	5.2	16.5	131.2

M E S – AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.2	26.0	20.1	78.2	18.28	16.1	0.0	0.0	0.0	2.7
2	17.0	26.4	22.4	49.8	13.60	11.4	0.0	0.0	0.0	4.9
3	14.3	26.0	19.6	61.3	14.20	12.1	0.0	0.1	0.1	7.4
4	14.0	25.2	20.0	78.1	17.85	15.7	0.0	0.0	0.0	5.8
5	14.5	26.0	21.3	75.0	18.29	16.1	9.1	4.8	13.9	4.4
6	15.2	25.7	19.6	73.9	16.50	14.5	0.0	0.0	0.0	9.6
7	14.0	26.8	21.3	63.3	15.76	13.8	0.0	0.0	0.0	9.1
8	15.3	27.8	22.2	69.0	17.95	15.8	0.0	0.9	0.9	7.3
9	14.5	26.2	20.4	77.8	18.32	16.1	0.0	0.0	0.0	5.4
10	15.2	24.5	20.1	75.9	17.52	15.4	0.0	0.0	0.0	1.5
11	16.8	25.5	20.3	78.5	18.44	16.2	0.0	0.0	0.0	5.3
12	15.5	26.2	21.3	74.1	18.32	16.1	0.0	0.0	0.0	4.1
13	16.0	26.0	20.5	77.6	18.71	16.4	0.0	0.0	0.0	4.0
14	15.5	23.5	19.0	91.1	19.76	17.3	2.8	0.0	2.8	2.1
15	15.4	24.0	19.3	80.5	18.15	15.9	8.7	0.0	8.7	1.5
16	17.3	26.8	20.8	67.3	16.69	14.6	0.0	0.0	0.0	6.6
17	15.0	25.4	20.8	69.8	16.81	14.8	0.0	0.0	0.0	3.0
18	15.5	26.9	22.3	64.4	17.40	15.3	0.0	0.0	0.0	4.1
19	15.0	26.6	19.8	76.3	17.40	15.3	0.5	0.0	0.5	2.8
20	14.0	26.8	20.9	78.4	19.11	16.8	0.0	4.3	4.3	6.2
21	15.0	26.0	20.1	80.4	19.25	16.9	3.4	0.0	3.4	4.6
22	15.6	28.5	22.8	65.6	17.46	15.4	0.0	0.2	0.2	8.8
23	16.0	24.0	20.1	83.8	19.58	17.2	0.0	0.9	0.9	0.5
24	14.0	27.5	21.5	67.6	16.60	14.6	0.0	0.0	0.0	8.9
25	17.0	24.0	19.7	87.7	20.11	17.6	1.3	0.1	1.4	3.2
26	14.5	24.2	20.0	79.0	18.17	16.0	0.4	0.0	0.4	4.5
27	16.5	26.3	21.0	77.3	19.21	16.9	0.0	0.0	0.0	6.6
28	16.4	28.6	22.0	75.7	19.39	17.0	0.0	4.2	4.2	4.1
29	16.5	26.2	20.1	87.6	20.35	17.8	0.1	2.5	2.6	2.9
30	14.5	24.4	17.3	89.5	18.07	15.9	5.2	4.9	10.1	1.9
31	15.0	23.4	19.4	85.3	18.92	16.6	0.0	0.0	0.0	0.9
PROM	15.4	25.9	20.5	75.5	17.94	15.7	31.5	22.9	54.4	144.7

ESTACION: SANTA BARBARA MUNICIPIO: SASAIMA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 4-56 N. LONGITUD: 74-25 W.

M E S – SEPTIEMBRE

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.0	26.0	20.8	68.2	16.30	14.3	1.3	0.0	1.3	6.5
2	17.0	25.5	20.7	70.8	17.27	15.2	0.0	0.0	0.0	5.2
3	14.8	28.0	21.6	74.7	18.41	16.1	0.0	5.3	5.3	7.7
4	15.5	26.7	20.0	77.6	18.11	15.9	2.6	9.4	12.0	5.3
5	14.5	25.0	19.5	80.9	18.21	16.0	10.6	3.0	13.6	3.9
6	15.5	23.5	18.8	87.9	19.36	17.0	4.9	0.0	4.9	1.0
7	16.5	23.2	18.7	87.1	19.12	16.8	10.4	0.0	10.4	1.6
8	14.5	23.5	19.7	82.1	18.81	16.5	0.0	0.0	0.0	3.0
9	16.0	25.4	19.3	84.2	18.82	16.5	6.9	0.0	6.9	4.5
10	15.5	25.5	20.7	78.7	18.78	16.5	0.0	0.0	0.0	3.0
11	15.0	24.6	20.0	80.1	18.51	16.3	0.0	0.0	0.0	3.9
12	14.5	24.0	18.7	88.6	19.64	17.2	6.0	0.0	6.0	4.2
13	15.6	24.2	19.5	83.3	18.88	16.6	0.0	0.4	0.4	4.6
14	15.5	25.5	19.2	82.1	18.27	16.1	0.0	0.0	0.0	8.2
15	14.0	25.6	20.2	78.2	18.76	16.5	0.0	0.0	0.0	9.3
16	15.4	25.5	20.5	73.4	17.90	15.8	0.0	0.0	0.0	6.1
17	13.5	26.0	19.3	77.5	17.66	15.5	1.2	0.0	1.2	6.0
18	14.8	25.5	20.3	75.8	17.71	15.6	0.0	0.0	0.0	4.3
19	14.2	22.5	17.7	92.2	18.91	16.6	0.7	0.0	0.7	2.1
20	14.5	19.5	16.8	95.5	18.57	16.3	5.3	1.0	6.3	0.0
21	14.4	24.6	19.2	85.4	18.88	16.6	0.4	1.2	1.6	4.6
22	15.0	22.5	18.1	90.3	18.95	16.6	1.4	0.2	1.6	1.2
23	15.5	26.5	20.3	77.9	18.94	16.6	0.0	0.0	0.0	4.7
24	15.0	24.8	19.5	83.1	19.06	16.7	0.0	0.0	0.0	3.2
25	14.2	24.2	18.5	84.0	18.18	16.0	1.4	0.4	1.8	4.2
26	15.5	25.5	18.9	82.0	17.62	15.5	0.0	8.2	8.2	4.0
27	15.4	24.0	19.1	84.5	18.48	16.3	0.3	5.2	5.5	2.9
28	15.5	24.6	18.4	84.3	17.99	15.8	6.1	4.4	10.5	4.4
29	15.4	25.4	20.2	80.5	18.60	16.3	0.0	0.0	0.0	5.5
30	14.5	25.7	19.4	77.8	17.14	15.1	0.0	0.0	0.0	4.3
PROM.	15.0	24.8	19.5	81.6	18.39	16.2	59.5	38.7	98.2	129.4

M E S – OCTUBRE

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.5	25.2	21.4	64.2	16.16	14.1	0.0	0.0	0.0	8.2
2	16.0	23.0	18.3	91.2	19.13	16.8	5.1	0.0	5.1	1.4
3	15.0	23.5	18.3	90.9	19.00	16.7	29.1	0.5	29.6	4.2
4	15.1	21.6	16.6	95.7	18.15	16.0	2.9	19.3	22.2	1.3
5	15.5	23.4	17.8	84.7	17.36	15.3	0.0	0.0	0.0	3.6
6	14.2	27.2	20.9	61.0	15.22	13.2	0.0	0.0	0.0	8.8
7	15.0	25.8	20.3	77.6	18.76	16.5	0.0	0.0	0.0	6.3
8	15.2	24.0	19.3	81.2	18.55	16.3	0.4	0.0	0.4	2.9
9	16.5	22.8	18.2	94.1	19.57	17.1	9.0	6.1	15.1	1.5
10	14.5	24.2	18.5	88.9	19.00	16.7	4.2	5.2	9.4	2.4
11	15.5	21.5	17.8	90.2	18.70	16.4	6.9	0.0	6.9	0.6
12	15.0	21.8	17.7	91.8	19.11	16.8	5.7	0.0	5.7	0.4
13	15.3	24.8	18.6	86.2	18.86	16.6	27.0	17.3	44.3	4.1
14	16.0	25.6	19.6	86.0	19.55	17.1	0.3	6.7	7.0	4.4
15	14.6	24.0	19.5	83.5	19.10	16.7	8.2	0.0	8.2	2.9
16	14.5	25.5	19.2	82.5	18.21	16.0	16.0	0.0	16.0	3.9
17	17.0	24.8	19.2	79.4	17.94	15.8	3.6	0.0	3.6	1.6
18	16.5	25.3	19.6	83.0	18.94	16.7	0.0	1.1	1.1	4.2
19	16.8	24.9	19.8	81.3	18.73	16.4	0.0	0.0	0.0	4.2
20	15.5	26.8	19.8	77.0	17.81	15.7	0.0	0.0	0.0	8.0
21	16.2	25.0	20.1	82.7	19.78	17.3	4.2	7.0	11.2	4.8
22	16.0	24.2	19.6	82.1	19.06	16.7	18.2	16.9	35.1	3.8
23	16.2	24.0	19.8	84.6	19.84	17.4	0.6	2.3	2.9	4.3
24	15.2	23.0	19.1	88.5	19.80	17.3	0.0	99.6	99.6	1.9
25	14.5	23.5	19.8	83.8	19.49	17.1	1.7	7.2	8.9	4.2
26	15.5	23.0	18.9	90.5	20.03	17.5	4.6	0.7	5.3	4.1
27	15.3	22.8	19.1	89.2	19.93	17.4	17.3	4.7	22.0	2.7
28	15.8	22.6	18.1	93.6	19.53	17.1	0.0	0.0	0.0	1.6
29	14.5	22.5	18.3	92.1	19.60	17.2	7.2	0.0	7.2	1.1
30	15.0	24.5	18.9	92.3	19.90	17.4	17.7	0.0	17.7	4.9
31	17.2	25.2	20.4	87.2	20.89	18.2	0.0	0.0	0.0	3.5
PROM	15.5	24.1	19.1	85.1	18.89	16.6	189.9	194.6	384.5	111.8

ESTACION: SANTA BARBARA MUNICIPIO: SASAIMA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 4-56 N. LONGITUD: 74-25 W.

M E S - NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	23.0	19.6	88.5	20.38	17.8	2.9	0.1	3.0	1.0
2	16.5	25.3	18.7	88.0	19.50	17.1	2.5	3.4	5.9	3.0
3	15.2	24.5	19.4	87.9	19.82	17.3	1.4	58.0	59.4	3.8
4	16.5	24.0	19.4	87.1	19.71	17.3	0.1	0.0	0.1	4.0
5	17.0	25.5	20.1	82.7	19.67	17.2	0.0	0.0	0.0	5.1
6	16.0	26.9	20.7	80.7	19.57	17.1	0.0	0.0	0.0	7.5
7	17.0	26.6	20.8	81.8	19.97	17.5	0.0	0.0	0.0	6.0
8	17.2	25.0	19.9	83.2	19.27	16.9	0.7	0.5	1.2	3.9
9	16.5	26.0	19.5	84.1	19.33	16.9	0.0	0.0	0.0	6.7
10	15.5	25.5	19.8	81.2	18.74	16.5	0.0	0.0	0.0	4.0
11	17.0	24.5	19.7	83.3	19.20	16.9	1.8	13.4	15.2	2.8
12	16.0	22.5	19.1	87.3	19.38	17.0	0.1	2.5	2.6	1.0
13	15.9	23.5	19.6	84.9	19.42	17.0	0.0	0.0	0.0	4.0
14	17.0	24.4	20.4	83.4	19.76	17.3	0.0	41.1	41.1	2.8
15	15.6	24.3	20.3	86.9	20.75	18.0	0.0	0.0	0.0	4.5
16	16.5	25.4	19.6	86.7	20.37	17.7	25.7	19.2	44.9	3.5
17	15.2	23.5	19.2	83.3	18.31	16.1	0.0	0.1	0.1	2.7
18	15.0	26.5	21.0	81.4	20.09	17.5	0.0	11.9	11.9	7.9
19	15.5	27.4	21.4	78.0	20.13	17.6	0.0	0.0	0.0	8.2
20	16.3	25.8	21.0	87.7	21.96	19.0	5.4	0.0	5.4	5.1
21	16.5	23.5	19.9	89.2	20.72	18.0	0.2	0.0	0.2	2.0
22	16.6	23.8	20.2	86.1	20.39	17.8	0.0	0.0	0.0	2.1
23	17.5	23.5	20.0	87.0	20.56	18.0	1.2	0.0	1.2	3.4
24	16.0	26.8	21.1	69.2	17.47	15.4	0.0	0.0	0.0	5.6
25	16.5	24.0	18.9	89.6	19.68	17.2	0.0	0.0	0.0	2.6
26	14.5	24.5	19.3	84.1	19.19	16.8	0.5	0.0	0.5	5.6
27	15.5	22.8	19.0	89.9	20.35	17.7	2.3	0.0	2.3	2.7
28	15.3	24.0	19.7	89.4	20.79	18.1	0.9	0.0	0.9	3.1
29	17.0	27.6	21.6	77.0	19.93	17.5	0.0	5.5	5.5	7.3
30	16.3	22.5	19.0	87.3	19.22	16.9	0.0	0.6	0.6	1.9
PROM.	16.2	24.8	19.9	84.6	19.79	17.3	45.7	156.3	202.0	123.8

M E S - DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	23.2	19.1	90.5	20.042	17.5	0.0	37.0	37.0	0.3
2	16.0	20.5	17.6	93.0	18.931	16.6	5.7	1.5	7.2	0.2
3	16.1	26.2	20.4	80.7	19.541	17.1	0.0	1.7	1.7	8.1
4	16.6	25.0	19.4	84.6	19.407	17.0	0.0	0.4	0.4	4.2
5	16.8	26.0	19.4	84.3	19.293	16.9	18.2	6.5	24.7	5.2
6	16.5	26.5	19.9	82.3	19.479	17.1	24.0	0.0	24.0	6.7
7	15.0	25.8	19.5	83.2	19.003	16.7	0.0	0.0	0.0	7.0
8	14.2	24.2	20.1	84.0	19.979	17.4	0.0	0.0	0.0	4.1
9	16.0	25.5	20.6	82.2	20.040	17.5	3.0	0.0	3.0	3.4
10	17.0	25.0	20.5	83.3	19.968	17.5	0.0	0.0	0.0	3.0
11	17.2	24.0	19.9	85.1	19.913	17.4	0.0	1.2	1.2	1.3
12	16.5	24.5	19.2	87.1	19.717	17.3	0.0	9.7	9.7	3.0
13	17.5	24.9	20.4	85.8	20.545	17.9	0.2	0.0	0.2	1.7
14	17.4	24.2	20.0	86.3	20.237	17.7	0.0	8.4	8.4	2.6
15	13.2	26.7	19.3	70.0	15.744	13.7	0.0	0.0	0.0	6.7
16	14.3	23.5	18.7	82.7	18.182	16.0	16.6	0.0	16.6	4.2
17	15.0	24.5	19.4	80.7	18.137	16.0	0.0	0.0	0.0	4.5
18	16.0	25.6	20.5	77.9	18.776	16.5	0.0	0.0	0.0	5.3
19	14.2	26.4	19.4	73.3	16.841	14.7	0.0	0.0	0.0	6.9
20	14.7	23.5	19.5	88.1	19.979	17.5	0.0	17.4	17.4	3.7
21	15.2	25.1	19.5	84.5	19.298	16.9	4.9	0.0	4.9	3.4
22	16.0	24.0	20.1	83.1	19.538	17.1	0.0	0.0	0.0	3.5
23	14.5	25.5	20.2	87.4	20.764	18.1	0.0	1.5	1.5	6.3
24	14.6	23.2	18.9	86.8	18.967	16.6	0.0	12.2	12.2	3.2
25	16.3	24.3	19.1	87.0	19.155	16.8	3.1	3.3	6.4	2.6
26	15.5	21.8	18.5	90.0	19.286	16.9	6.2	0.0	6.2	1.1
27	16.0	22.5	18.9	85.2	18.618	16.4	0.2	0.0	0.2	1.7
28	15.8	24.6	19.1	87.8	19.304	17.0	0.0	0.0	0.0	4.7
29	15.4	26.2	19.7	82.1	18.704	16.5	0.0	0.0	0.0	5.8
30	14.0	26.5	19.1	78.6	17.182	15.1	0.0	0.0	0.0	9.1
31	13.6	25.5	19.3	78.6	17.562	15.4	0.0	37.7	37.7	7.7
PROM	15.6	24.7	19.5	83.7	19.103	16.7	82.1	138.5	220.6	131.2

ESTACION: SANTA BARBARA MUNICIPIO: SASAIMA AÑO: 1.989

ALTITUD: LATITUD: 4-56 N. LONGITUD: 74-25 W.

MESES	TEMPERATURA oC					Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	15.6	24.3	19.4	13.7	26.6	83.8	18.81	16.5	329.0	21	113.6
FEBRERO	15.5	23.8	19.1	13.9	27.4	83.5	18.31	16.1	344.9	21	74.8
MARZO	15.6	24.1	19.0	13.0	27.4	84.9	18.62	16.3	455.8	26	107.7
ABRIL	16.0	25.0	20.1	14.4	28.2	85.2	20.03	17.5	233.2	22	98.8
MAYO	15.8	24.6	19.9	13.5	28.2	83.6	19.51	17.1	132.8	25	112.2
JUNIO	15.2	24.5	19.9	13.8	27.5	80.7	18.76	16.4	143.1	21	108.5
JULIO	15.0	24.6	19.8	12.7	27.6	77.3	17.76	15.6	16.5	13	131.2
AGOSTO	15.4	25.9	20.5	14.0	28.6	75.5	17.94	15.7	54.4	15	144.7
SEPTIEMBRE	15.0	24.8	19.5	13.5	28.0	81.6	18.39	16.2	98.2	18	129.4
OCTUBRE	15.5	24.1	19.1	14.2	27.2	85.1	18.89	16.6	384.5	23	111.8
NOVIEMBRE	16.2	24.8	19.9	14.5	27.6	84.6	19.79	17.3	202.0	19	123.8
DICIEMBRE	15.6	24.7	19.5	13.2	26.7	83.7	19.10	16.7	220.6	20	131.2
PROMEDIO	15.5	24.6	19.6	13.7	27.6	82.5	18.83	16.5			
TOTAL									2615.0	244	1387.7

ESTACION: MISIONES MUNICIPIO: MESITAS COLEGIO AÑO 1.969

ALTITUD: 1.540 LATITUD: 4-34 N. LONGITUD: 74-18 W.

M E S – ENERO

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.8	20.0	17.4	82.9	16.42	14.3	0.2	0.0	0.2	0.2
2	15.6	18.2	16.9	88.2	17.20	15.1	2.5	0.0	2.5	0.0
3	15.4	20.0	18.1	81.1	16.86	14.7	0.0	0.0	0.0	0.2
4	15.3	23.6	18.7	75.8	16.35	14.2	3.2	4.4	7.6	5.1
5	15.2	19.6	17.2	90.0	17.61	15.5	0.5	0.0	0.5	0.2
6	15.4	20.4	18.2	81.2	17.00	14.9	1.0	0.0	1.0	0.6
7	15.7	23.6	18.8	81.3	17.55	15.5	0.0	0.3	0.3	1.9
8	16.0	22.5	19.5	79.5	18.26	15.9	0.0	0.0	0.0	5.4
9	15.0	25.2	19.8	73.4	16.78	14.8	0.0	0.0	0.0	4.3
10	16.0	22.8	18.5	80.3	17.04	15.0	0.0	0.6	0.6	0.9
11	15.2	22.5	18.0	72.7	14.82	12.8	0.0	0.0	0.0	2.2
12	16.4	24.0	18.9	66.5	14.85	12.7	0.0	0.0	0.0	4.8
13	17.5	21.8	17.9	75.4	15.51	13.4	0.0	0.0	0.0	0.0
14	16.0	23.0	18.8	78.5	17.09	15.0	0.3	0.0	0.3	5.7
15	16.4	23.5	20.0	58.6	13.71	11.6	0.0	0.0	0.0	5.7
16	17.0	25.1	20.2	64.6	15.40	13.3	0.0	0.0	0.0	3.9
17	16.8	24.2	19.8	66.6	15.58	13.5	0.1	0.0	0.1	2.3
18	17.6	23.4	19.7	67.3	15.48	13.5	0.0	0.0	0.0	2.5
19	17.8	24.8	20.8	62.1	15.17	13.2	0.0	0.0	0.0	4.6
20	17.6	26.0	20.7	68.0	16.81	14.7	0.0	0.0	0.0	3.9
21	17.5	24.2	19.0	70.5	15.48	13.4	2.4	0.0	2.4	3.3
22	16.6	24.0	19.0	69.2	15.12	13.1	0.7	0.0	0.7	2.3
23	17.8	26.0	20.2	60.9	14.83	12.7	0.0	0.0	0.0	3.4
24	17.6	25.8	21.3	56.0	14.30	12.3	0.0	0.0	0.0	6.1
25	16.8	24.4	20.1	69.0	16.57	14.4	0.0	0.0	0.0	3.2
26	16.4	26.0	20.5	72.5	17.27	15.2	0.3	0.0	0.3	6.5
27	16.6	22.2	18.6	86.8	16.51	16.3	0.6	0.0	0.6	0.4
28	15.8	21.8	17.9	90.4	18.47	16.2	0.0	8.9	8.9	0.7
29	15.5	22.8	18.7	83.3	17.81	15.7	0.0	14.3	14.3	3.6
30	15.8	22.5	18.8	85.8	18.46	16.2	0.8	21.6	22.4	3.8
31	14.5	25.0	18.9	72.4	15.75	13.7	2.5	0.0	2.5	3.8
PROM.	16.3	23.2	19.1	74.6	16.39	14.3	15.1	50.1	65.2	91.5

M E S – FEBRERO

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.8	21.8	18.4	86.0	18.03	15.9	2.7	6.5	9.2	0.7
2	15.2	24.0	18.4	92.2	19.12	16.8	0.3	2.6	2.9	2.1
3	15.7	21.0	18.1	82.0	16.89	14.8	2.3	15.1	17.4	0.8
4	14.0	20.5	16.4	87.8	16.36	14.4	21.6	43.4	65.0	0.9
5	13.6	21.8	17.2	83.9	16.09	14.1	2.7	0.0	2.7	2.3
6	16.0	22.6	19.1	75.0	16.55	14.5	0.0	0.0	0.0	4.9
7	16.7	23.0	19.1	77.7	17.29	15.0	1.1	0.0	1.1	4.6
8	16.3	24.8	20.0	71.1	16.49	14.4	0.4	2.8	3.2	6.5
9	16.2	24.0	18.8	81.2	17.73	15.6	0.0	0.0	0.0	4.6
10	16.4	21.4	18.5	86.9	18.53	16.3	0.0	13.2	13.2	1.3
11	14.8	21.0	16.7	93.9	17.88	15.7	0.3	0.0	0.3	0.2
12	16.0	23.6	19.1	71.8	15.65	13.6	0.0	0.0	0.0	4.4
13	15.8	23.8	19.6	73.5	16.67	14.6	0.0	0.0	0.0	3.9
14	16.8	24.2	19.0	73.2	16.34	14.3	1.6	0.1	1.7	6.6
15	16.0	24.4	20.0	68.9	16.17	14.2	0.0	0.0	0.0	4.8
16	15.4	24.0	18.8	70.3	15.20	13.2	0.0	0.0	0.0	6.8
17	15.0	21.6	17.7	78.5	15.80	13.8	0.0	0.0	0.0	2.7
18	15.6	23.2	18.9	78.1	17.01	15.0	0.0	0.0	0.0	3.7
19	16.8	24.6	19.5	67.8	15.64	13.6	0.0	0.0	0.0	2.5
20	16.4	20.2	18.2	82.8	17.19	15.0	8.1	0.0	8.1	0.7
21	16.5	22.3	19.4	69.6	15.67	13.4	1.2	0.0	1.2	1.1
22	17.4	24.4	20.1	66.8	15.99	13.8	6.2	0.0	6.2	2.6
23	15.7	20.6	16.7	85.9	16.57	14.5	9.5	0.0	9.5	0.4
24	15.0	21.0	18.0	85.1	17.69	15.5	0.0	0.0	0.0	1.0
25	15.6	19.8	17.2	91.6	17.96	15.8	1.2	3.1	4.3	0.4
26	16.0	22.2	18.8	78.3	16.98	14.9	0.0	0.0	0.0	1.9
27	16.4	22.5	18.8	87.7	18.95	16.7	0.0	0.0	0.0	1.2
28	17.0	25.5	21.1	61.1	15.47	13.4	0.0	0.0	0.0	6.4
PROM	15.9	22.6	18.6	78.9	16.85	14.7	59.2	86.8	146.0	80.0

ESTACION: MISIONES MUNICIPIO: MESITAS COLEGIO: 1.989

ALTITUD: 1.540 LATITUD: 4-34 N. LONGITUD: 74-18 W.

M E S — MARZO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.8	26.2	21.2	53.1	13.43	11.3	0.0	0.0	0.0	5.0
2	17.6	27.2	21.3	60.2	15.31	13.3	0.0	0.0	0.0	7.0
3	18.2	24.4	20.9	63.2	15.69	13.7	6.4	0.0	6.4	2.4
4	15.0	25.2	18.9	71.1	14.97	13.0	1.9	1.8	3.7	3.8
5	15.4	19.2	16.4	93.4	17.21	15.1	3.9	0.0	3.9	0.0
6	15.8	23.4	19.3	79.6	17.81	15.7	1.5	0.0	1.5	1.4
7	15.7	22.0	18.6	80.3	17.06	15.0	2.7	0.0	2.7	1.7
8	15.8	18.8	16.9	93.6	18.14	16.0	4.5	0.0	4.5	0.0
9	15.7	23.0	18.0	82.7	17.02	15.0	0.0	0.7	0.7	2.1
10	16.0	23.8	19.3	76.3	16.94	14.9	9.3	0.0	9.3	1.5
11	15.8	20.2	18.0	88.7	18.46	16.2	13.9	0.1	14.0	0.0
12	15.0	20.0	17.6	87.7	17.47	15.4	0.3	8.7	9.0	0.0
13	15.1	17.6	16.0	94.4	17.31	15.2	8.1	26.5	34.6	0.0
14	15.0	18.8	16.1	90.5	16.53	14.5	27.3	0.0	27.3	0.0
15	15.4	23.0	17.8	84.8	17.46	15.3	10.3	12.8	23.1	2.5
16	15.8	20.8	17.1	93.7	18.47	16.2	1.9	7.0	8.9	0.6
17	14.9	22.4	18.4	87.0	18.34	16.1	0.1	0.0	0.1	3.6
18	15.4	21.8	17.6	80.8	16.39	14.4	0.0	40.7	40.7	0.7
19	14.8	22.9	17.8	81.8	16.75	14.6	0.0	10.9	10.9	4.0
20	15.2	18.6	16.6	93.5	17.75	15.6	6.9	0.0	6.9	0.0
21	15.1	23.2	18.2	85.8	17.91	15.8	0.0	9.1	9.1	4.4
22	15.0	24.0	18.5	77.5	16.47	14.5	0.0	0.0	0.0	4.4
23	14.9	23.8	19.1	75.2	16.68	14.6	0.0	0.0	0.0	6.9
24	15.0	22.4	18.2	80.8	17.08	15.0	0.2	0.0	0.2	1.2
25	15.4	25.7	19.6	76.9	17.48	15.4	0.0	0.0	0.0	5.6
26	15.9	24.4	19.7	73.3	16.69	14.7	0.0	0.3	0.3	5.6
27	16.0	23.0	18.7	82.9	17.92	15.8	0.7	3.8	4.5	2.4
28	15.8	23.7	18.6	82.0	17.47	15.4	0.0	39.5	39.5	2.0
29	14.6	23.0	18.5	68.5	14.73	12.6	1.5	0.0	1.5	3.5
30	15.0	24.5	19.6	69.6	15.90	13.9	0.0	0.9	0.9	8.1
31	16.0	21.0	17.3	83.5	16.65	14.5	4.7	0.0	4.7	0.4
PROM.	15.6	22.5	18.4	80.4	16.89	14.8	106.1	162.8	268.9	80.8

M E S — ABRIL

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.8	20.0	17.6	83.7	16.85	14.8	0.5	8.7	9.2	0.7
2	15.0	20.3	17.9	82.9	17.05	14.9	0.7	4.7	5.4	0.5
3	16.0	20.2	17.6	86.5	17.66	15.5	9.3	0.0	9.3	1.2
4	15.8	21.6	18.9	72.1	15.80	13.5	0.1	0.0	0.1	1.7
5	16.8	23.0	18.7	76.4	16.57	14.4	0.0	0.0	0.0	2.3
6	16.6	20.4	18.5	73.3	15.92	13.7	15.6	0.0	15.6	0.2
7	16.5	24.0	19.7	69.0	15.91	13.9	0.0	0.0	0.0	3.8
8	17.0	25.0	20.7	69.0	16.88	14.8	0.0	0.0	0.0	7.1
9	17.1	24.4	19.9	76.4	17.41	15.3	0.0	0.0	0.0	3.5
10	17.6	22.4	19.3	71.0	15.91	13.8	1.7	0.0	1.7	0.6
11	17.0	24.8	20.9	65.6	16.39	14.4	0.0	0.0	0.0	5.0
12	18.0	24.0	20.9	62.6	15.59	13.6	0.0	0.0	0.0	1.3
13	17.4	23.4	20.6	65.3	15.88	13.7	0.0	0.0	0.0	0.2
14	17.6	23.0	20.0	75.5	17.91	15.6	0.0	0.0	0.0	0.4
15	17.0	23.5	19.6	87.2	20.05	17.6	0.7	0.0	0.7	0.6
16	17.4	25.5	20.2	68.6	16.18	14.2	0.0	0.0	0.0	4.2
17	17.8	24.8	20.7	80.0	19.65	17.2	2.1	0.0	2.1	4.8
18	17.4	24.2	20.3	79.9	19.15	16.8	0.0	0.2	0.2	6.1
19	16.8	25.5	20.8	73.4	18.10	15.9	6.5	0.0	6.5	5.6
20	17.8	24.5	20.7	74.9	18.21	16.0	0.0	0.0	0.0	0.3
21	17.9	24.2	20.8	72.8	17.71	15.6	0.0	8.4	8.4	1.8
22	17.8	23.5	19.8	83.5	19.49	17.0	1.6	0.0	1.6	1.4
23	18.0	21.6	19.2	83.4	18.43	16.2	2.8	0.0	2.8	1.2
24	17.5	23.2	19.3	75.2	16.75	14.7	0.5	0.0	0.5	1.8
25	17.6	26.4	21.8	61.4	15.94	13.9	0.0	0.0	0.0	5.0
26	17.4	22.4	19.4	81.3	18.38	16.1	0.0	0.0	0.0	0.0
27	17.0	24.0	20.6	70.2	17.07	15.0	0.2	0.0	0.2	2.1
28	16.8	20.4	17.6	87.1	17.28	15.2	2.9	0.0	2.9	0.0
29	16.4	25.5	19.6	83.6	18.98	16.6	0.0	9.3	9.3	2.2
30	15.5	23.2	18.8	79.0	16.51	14.3	1.2	0.0	1.2	1.9
PROM	17.0	23.3	19.7	75.7	17.32	15.1	46.4	31.3	77.7	67.5

ESTACION: MISIONES MUNICIPIO: MESITAS COLEGIO: 1.969

ALTITUD: 1.540 LATITUD: 4-34 N. LONGITUD: 74-18 W.

M E S — MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	22.4	19.9	78.5	18.57	16.3	0.2	24.7	24.9	0.2
2	15.0	21.4	18.2	88.7	18.47	16.2	0.0	0.0	0.0	0.2
3	16.0	19.8	17.7	92.0	18.69	16.4	0.0	0.6	0.6	0.0
4	15.8	24.5	20.0	79.3	18.22	16.0	1.1	0.0	1.1	2.2
5	16.4	23.4	19.2	80.5	17.57	15.4	0.0	1.0	1.0	3.0
6	15.5	18.8	17.3	82.0	16.16	14.1	0.4	0.0	0.4	0.1
7	16.0	25.0	20.3	58.3	14.16	12.0	9.3	0.0	9.3	3.6
8	15.0	22.0	18.8	78.0	17.07	15.0	2.1	30.7	32.8	0.7
9	14.5	23.4	19.3	77.3	17.46	15.3	0.1	0.1	0.2	3.5
10	16.2	21.0	18.1	82.8	17.03	14.9	4.3	0.0	4.3	0.6
11	16.0	24.6	19.9	75.6	17.54	15.4	0.4	0.0	0.4	3.7
12	17.0	24.0	19.8	62.5	14.48	12.5	0.4	0.1	0.5	3.6
13	14.8	21.0	17.3	88.8	17.17	15.1	8.1	0.0	8.1	0.8
14	15.5	21.6	18.4	85.2	18.17	16.0	0.2	0.0	0.2	1.4
15	17.0	22.5	19.4	70.5	16.08	14.0	0.0	0.0	0.0	2.6
16	16.9	25.2	20.5	73.8	17.90	15.7	0.0	0.0	0.0	6.3
17	18.4	24.0	21.0	55.9	14.01	12.0	0.0	0.0	0.0	2.2
18	18.0	23.8	20.2	69.2	16.60	14.6	0.4	0.6	1.0	2.5
19	15.0	22.2	19.4	68.6	15.45	13.3	0.0	0.0	0.0	1.5
20	17.0	22.6	19.2	74.0	16.46	14.4	0.0	0.0	0.0	3.2
21	15.8	22.4	19.1	70.7	15.68	13.7	0.0	0.0	0.0	1.1
22	16.5	22.0	19.5	75.6	17.37	15.2	0.0	0.0	0.0	0.3
23	17.0	23.5	19.0	73.8	16.40	14.4	1.0	0.9	1.9	2.0
24	16.8	22.6	19.2	76.0	16.99	14.9	0.1	4.8	4.9	1.7
25	15.5	20.2	17.5	87.6	17.68	15.5	2.7	0.1	2.8	0.2
26	16.0	20.3	17.3	86.9	17.57	15.4	9.3	0.0	9.3	0.8
27	15.8	24.4	19.7	69.9	16.26	14.2	0.0	0.6	0.6	4.7
28	15.0	20.4	17.4	63.4	12.59	10.1	8.8	0.0	8.8	0.7
29	16.4	25.0	19.4	65.2	14.91	12.7	0.0	0.0	0.0	4.7
30	17.0	22.5	19.6	80.3	18.33	16.1	0.0	0.0	0.0	2.3
31	17.4	22.6	20.5	67.3	16.49	14.3	3.3	1.7	5.0	2.0
PROM.	16.2	22.6	19.1	75.4	16.69	14.6	52.2	65.5	118.1	62.4

M E S — JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.2	24.4	20.5	66.2	16.12	14.1	0.0	0.0	0.0	1.1
2	16.4	24.5	18.9	73.5	16.02	14.0	0.2	1.5	1.7	3.5
3	16.0	18.5	16.0	93.2	17.24	15.2	2.4	0.0	2.4	0.0
4	14.0	24.4	19.1	62.6	13.69	11.6	0.0	0.0	0.0	4.5
5	17.5	22.8	19.7	66.8	15.37	13.3	1.0	0.0	1.0	0.8
6	17.3	23.6	19.4	72.5	16.45	14.4	2.0	0.0	2.0	3.5
7	16.8	21.5	18.1	83.7	17.24	15.1	1.2	0.0	1.2	1.5
8	16.4	22.9	19.7	66.4	15.26	13.3	0.0	0.0	0.0	3.1
9	17.2	21.4	19.7	81.5	18.52	16.3	0.0	0.0	0.0	0.7
10	17.0	24.8	20.9	71.0	17.76	15.5	0.1	0.1	0.2	2.6
11	16.4	23.2	19.4	83.0	18.56	16.3	0.4	0.3	0.7	1.6
12	16.0	23.0	19.3	76.3	17.02	15.0	0.0	6.7	6.7	1.9
13	15.0	22.0	18.4	78.0	16.41	14.4	0.7	0.0	0.7	0.9
14	16.4	25.0	19.9	77.2	18.05	15.9	0.0	0.0	0.0	4.4
15	17.8	24.5	21.2	61.6	15.54	13.6	0.0	0.0	0.0	5.9
16	17.5	25.0	21.2	51.1	13.03	10.8	0.0	0.0	0.0	4.9
17	18.0	23.8	19.9	58.5	13.65	11.5	0.4	0.0	0.4	2.5
18	17.5	23.5	18.8	68.1	15.06	13.1	4.1	0.0	4.1	2.9
19	15.6	22.0	19.5	68.1	15.39	13.3	0.2	0.0	0.2	1.4
20	17.0	22.5	18.6	74.5	15.74	13.4	3.0	0.0	3.0	2.3
21	16.8	21.2	18.4	77.4	16.45	14.3	0.1	0.6	0.7	0.6
22	16.9	24.8	19.7	66.6	15.16	13.1	0.0	0.0	0.0	3.4
23	17.4	22.0	17.7	82.0	16.83	14.7	7.6	0.0	7.6	0.1
24	15.4	22.8	18.8	76.1	16.80	14.7	3.1	0.5	3.6	1.5
25	15.8	20.2	17.3	85.5	16.91	14.9	6.8	0.0	6.8	1.4
26	15.0	22.4	19.5	76.6	16.69	14.7	0.0	0.3	0.3	2.2
27	16.5	23.4	20.1	73.0	16.93	14.8	0.0	0.0	0.0	4.6
28	16.4	23.8	20.3	73.0	17.28	15.2	0.0	0.0	0.0	3.5
29	16.2	25.0	20.4	70.4	16.73	14.7	0.0	0.0	0.0	5.7
30	16.0	22.0	19.2	72.8	16.13	14.1	0.0	0.0	0.0	1.5
PROM	16.5	23.0	19.3	72.9	16.27	14.2	33.3	10.0	43.3	74.5

ESTACION: MISIONES MUNICIPIO: MESITAS COLEGIO AÑO: 1.989

ALTITUD: 1.540 LATITUD: 4-34 N. LONGITUD: 74-18 W.

M E S – JULIO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.5	21.6	18.9	73.7	15.96	13.9	1.4	0.1	1.5	3.8
2	15.0	20.2	16.6	87.8	16.59	14.6	2.7	0.0	2.7	2.0
3	17.4	23.0	19.4	58.0	13.27	11.1	0.0	0.0	0.0	3.6
4	15.9	25.0	19.7	48.0	11.17	8.5	0.0	0.0	0.0	4.8
5	17.0	21.0	19.0	67.2	14.93	12.9	0.0	0.0	0.0	0.7
6	15.6	20.0	17.7	79.9	16.33	14.4	0.0	0.0	0.0	0.6
7	14.8	19.6	17.1	80.3	15.53	13.5	1.2	0.0	1.2	0.9
8	15.4	23.0	18.7	55.3	12.01	9.7	0.0	0.0	0.0	4.8
9	14.0	25.2	20.0	55.2	13.11	10.9	0.0	0.0	0.0	5.6
10	14.8	24.5	19.9	54.5	12.46	10.2	0.0	0.0	0.0	5.5
11	14.6	24.0	19.5	52.8	11.97	9.6	0.1	0.0	0.1	4.1
12	15.0	24.2	19.7	55.6	12.36	10.1	0.0	0.0	0.0	4.6
13	15.2	24.0	20.1	60.1	13.92	11.9	0.0	0.0	0.0	4.5
14	15.0	24.1	20.9	60.2	14.46	12.5	0.0	0.0	0.0	4.5
15	16.5	26.5	21.6	57.7	14.42	12.4	0.0	0.0	0.0	5.1
16	15.8	20.8	18.2	73.8	15.38	13.4	0.0	0.0	0.0	0.9
17	16.0	22.5	19.3	63.2	14.15	12.1	0.0	0.0	0.0	1.5
18	17.8	24.0	20.4	56.7	13.72	11.6	0.0	0.0	0.0	3.7
19	17.5	23.8	20.4	58.8	14.20	12.2	0.7	0.0	0.7	2.0
20	17.0	22.5	18.3	81.6	17.17	15.1	1.8	0.0	1.8	1.9
21	16.4	24.0	19.8	63.2	14.51	12.5	0.2	1.2	1.4	2.2
22	16.8	20.0	17.8	79.2	16.31	14.3	0.6	0.0	0.6	1.0
23	15.4	23.2	20.1	61.9	14.59	12.6	0.0	0.0	0.0	3.3
24	16.5	22.5	19.1	71.4	15.52	13.5	0.8	0.3	1.1	2.6
25	16.0	23.2	19.2	71.8	15.72	13.7	0.9	0.0	0.9	0.8
26	15.8	20.8	18.2	81.8	17.13	15.0	7.3	0.0	7.3	0.6
27	16.5	23.2	20.1	63.6	14.82	12.9	0.0	0.0	0.0	1.5
28	16.4	23.4	20.4	63.2	15.17	13.2	0.0	0.0	0.0	3.9
29	17.0	24.6	20.8	65.7	15.94	13.9	0.0	0.2	0.2	5.3
30	17.5	24.4	21.7	61.8	15.67	13.7	0.0	0.0	0.0	6.1
31	16.8	24.5	21.1	67.4	16.87	14.7	0.0	0.0	0.0	4.1
PROM.	16.0	23.0	19.5	65.5	14.69	12.6	17.7	1.8	19.5	96.5

M E S – AGOSTO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.5	23.8	20.0	69.0	16.19	14.1	4.2	0.0	4.2	2.4
2	16.8	24.8	20.1	60.2	14.28	12.2	0.2	0.0	0.2	3.5
3	16.7	24.4	20.1	56.4	13.32	11.1	0.0	0.0	0.0	4.4
4	16.9	25.0	19.7	57.2	12.96	10.8	0.0	0.0	0.0	3.2
5	17.8	24.8	20.4	59.0	14.17	12.1	0.0	5.0	5.0	2.2
6	14.0	23.5	18.9	61.1	12.86	10.7	0.0	0.0	0.0	2.9
7	14.2	27.4	21.7	47.6	11.98	9.6	0.0	0.0	0.0	6.5
8	17.8	27.2	22.4	51.2	13.46	11.4	0.0	2.3	2.3	5.6
9	17.9	24.5	20.5	63.2	15.24	13.3	7.2	0.0	7.2	2.2
10	16.5	22.5	19.8	62.8	14.53	12.5	1.2	0.0	1.2	0.1
11	15.8	23.0	19.5	73.3	16.03	14.0	0.1	0.0	0.1	2.0
12	17.0	24.2	20.1	61.3	14.11	12.1	0.0	0.0	0.0	2.5
13	16.8	24.0	20.2	67.0	15.54	13.6	0.0	0.0	0.0	1.9
14	16.7	22.5	19.1	78.7	17.11	15.0	0.3	0.0	0.3	1.5
15	17.0	23.5	19.1	77.4	17.26	15.2	2.3	2.2	4.5	1.9
16	16.0	22.8	20.0	68.5	15.97	14.0	0.0	0.0	0.0	2.4
17	16.1	23.6	20.1	60.4	14.28	12.3	0.0	0.0	0.0	1.0
18	15.8	25.0	20.4	60.2	14.28	12.2	0.0	0.0	0.0	2.9
19	17.8	26.8	20.5	61.3	14.80	12.8	0.0	0.0	0.0	2.3
20	18.0	25.2	20.6	66.3	16.29	14.3	0.1	4.3	4.4	3.6
21	16.0	23.5	20.1	71.7	16.55	14.5	0.0	3.5	3.5	0.8
22	14.5	26.2	20.3	70.9	16.05	14.1	0.0	0.0	0.0	1.2
23	17.4	23.0	19.6	71.8	16.58	14.6	0.0	0.1	0.1	6.3
24	14.4	26.4	20.4	56.3	13.28	11.2	0.0	0.0	0.0	0.7
25	16.2	22.5	20.1	70.7	16.63	14.6	0.0	0.0	0.0	5.6
26	16.4	24.5	20.7	67.2	16.11	14.1	0.0	0.0	0.0	1.4
27	17.5	23.2	20.6	69.0	16.56	14.5	0.0	0.0	0.0	1.8
28	17.8	24.0	20.4	70.0	16.73	14.7	0.0	39.4	39.4	3.2
29	15.6	22.5	19.2	76.5	16.70	14.6	0.0	0.0	0.0	1.4
30	16.4	23.5	18.4	79.5	16.83	14.7	0.8	0.0	0.8	1.3
31	16.0	19.5	17.5	87.3	17.64	15.5	0.0	0.0	0.0	0.7
PROM	16.5	24.1	20.0	66.2	15.30	13.2	16.4	56.8	73.2	79.4

ESTACION: MISIONES MUNICIPIO: MESITAS COLEGIO AÑO: 1.989

ALTITUD: 1.540 LATITUD: 4-34 N. LONGITUD: 74-18 W.

M E S - SEPTIEMBRE

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.8	26.0	21.7	46.8	11.83	5.4	0.0	0.0	0.0	8.0
2	17.5	24.5	21.0	56.4	13.96	11.8	0.0	0.0	0.0	4.9
3	17.2	25.8	22.2	52.0	13.90	11.8	0.0	1.0	1.0	7.2
4	16.0	24.4	20.2	70.6	16.75	14.7	0.0	0.9	0.9	4.5
5	16.0	22.5	18.7	80.7	17.73	15.5	9.3	0.0	9.3	1.7
6	15.8	19.6	17.4	87.7	17.41	15.3	2.4	0.0	2.4	0.9
7	16.0	21.6	18.4	75.7	16.19	14.2	2.2	0.0	2.2	2.5
8	17.4	22.0	18.5	68.8	14.97	12.7	1.0	0.0	1.0	1.9
9	16.4	24.5	19.7	58.6	13.52	11.4	1.0	0.0	1.0	3.8
10	16.8	22.6	19.3	75.8	17.14	15.0	1.6	0.0	1.6	1.2
11	16.0	24.0	19.0	75.6	16.14	14.0	7.8	0.0	7.8	4.2
12	16.5	23.2	20.2	61.9	14.62	12.5	0.2	0.0	0.2	2.9
13	15.0	25.0	20.5	67.1	16.09	14.1	7.7	0.0	7.7	5.0
14	17.0	24.0	20.4	69.5	16.38	14.4	0.1	11.4	11.5	5.8
15	14.6	24.4	20.1	59.8	14.15	12.1	0.0	0.2	0.2	5.3
16	15.0	23.6	19.7	61.7	14.23	12.2	0.0	0.0	0.0	3.3
17	14.8	26.0	20.2	58.1	13.82	11.8	6.2	0.0	6.2	4.9
18	15.2	24.5	19.6	60.9	13.91	11.8	0.0	0.0	0.0	2.9
19	17.5	22.6	19.5	65.1	14.74	12.5	0.6	0.0	0.6	0.7
20	18.0	20.8	18.1	70.7	15.10	12.9	19.5	0.0	19.5	0.2
21	15.4	23.8	18.6	72.8	15.78	13.8	0.0	1.0	1.0	2.7
22	15.5	22.0	18.5	73.4	15.99	13.9	3.0	0.5	3.5	0.6
23	13.8	25.0	20.9	53.5	13.31	10.9	0.0	0.0	0.0	5.6
24	16.5	22.5	19.6	64.0	14.66	12.6	0.4	0.0	0.4	2.2
25	16.5	23.5	18.9	70.0	15.63	13.6	6.8	0.3	7.1	2.6
26	15.0	23.4	18.6	67.3	14.10	12.0	3.1	0.7	3.8	2.3
27	16.4	24.5	20.0	62.4	14.79	12.8	0.8	27.1	27.9	1.3
28	14.8	23.5	19.0	60.3	13.31	11.2	1.8	64.2	66.0	1.8
29	15.5	21.4	18.5	71.1	15.07	13.1	0.1	0.0	0.1	0.7
30	16.6	22.5	19.6	64.3	14.64	12.5	0.0	0.0	0.0	1.9
PROM.	16.0	23.5	19.6	66.1	15.00	12.9	75.6	107.3	182.9	93.5

M E S - OCTUBRE

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.8	26.2	21.4	52.5	13.23	11.1	0.0	0.0	0.0	5.0
2	17.4	24.5	20.9	56.2	14.08	12.0	3.4	0.0	3.4	2.6
3	15.4	25.0	18.8	72.5	15.19	13.1	0.0	0.2	0.2	4.2
4	15.5	21.6	17.3	75.5	14.79	12.5	15.8	0.1	15.9	0.9
5	15.8	20.2	17.7	72.6	14.47	12.3	7.7	0.0	7.7	0.7
6	16.0	26.4	21.0	47.6	11.69	9.3	0.0	0.9	0.9	5.6
7	15.0	25.0	19.9	60.5	14.16	12.1	0.0	0.0	0.0	6.0
8	17.0	23.8	19.6	67.2	15.65	13.6	0.0	0.0	0.0	1.6
9	16.4	22.0	19.2	74.5	16.66	14.6	0.4	0.0	0.4	0.8
10	17.0	22.2	18.9	80.2	17.54	15.4	0.0	1.2	1.2	1.9
11	15.0	19.2	16.1	93.1	17.10	15.0	12.2	0.0	12.2	0.0
12	14.5	22.5	18.8	63.9	14.11	11.9	0.7	0.2	0.9	0.4
13	16.2	22.3	18.7	77.1	16.74	14.7	12.5	0.0	12.5	1.7
14	15.0	22.2	18.5	78.3	16.51	14.4	0.2	0.1	0.3	1.5
15	16.6	22.0	19.2	65.9	14.63	12.5	0.0	0.0	0.0	2.3
16	17.0	24.5	19.3	66.5	14.90	12.7	5.1	0.2	5.3	3.2
17	15.0	22.0	19.0	73.5	15.69	13.7	3.4	2.1	5.5	2.7
18	16.4	22.4	19.5	63.6	14.55	12.4	0.0	0.9	0.9	1.7
19	15.0	21.2	17.8	81.9	16.80	14.8	0.1	0.0	0.1	1.7
20	16.5	24.0	19.8	64.6	15.23	12.8	0.0	0.0	0.0	4.4
21	17.4	23.5	19.8	70.9	16.62	14.5	0.0	0.0	0.0	5.0
22	16.4	21.5	19.0	77.8	17.26	15.1	0.3	0.0	0.3	0.8
23	16.0	23.0	19.7	78.9	18.14	16.0	0.0	9.5	9.5	4.4
24	15.0	22.0	17.7	86.9	17.71	15.6	0.0	0.0	0.0	0.4
25	15.8	21.6	18.7	78.6	17.15	15.0	0.1	0.0	0.1	0.9
26	16.8	23.6	19.7	74.2	17.09	15.0	0.0	0.0	0.0	5.6
27	16.5	23.8	19.5	83.6	18.91	16.6	0.0	17.2	17.2	1.2
28	14.5	22.0	18.0	86.7	17.61	15.5	0.0	0.0	0.0	0.2
29	16.8	25.0	19.7	67.5	15.74	13.7	0.0	0.0	0.0	1.9
30	16.5	22.0	20.0	73.7	17.12	15.0	1.8	0.0	1.8	1.2
31	17.5	24.0	19.2	77.8	17.59	15.5	0.6	0.5	1.1	1.4
PROM	16.1	22.9	19.1	72.4	15.96	13.8	64.3	33.1	97.4	71.9

ESTACION: MISIONES MUNICIPIO: MESITAS COLEGIO AÑO 1.989

ALTITUD: 1.540 LATITUD: 4-34 N. LONGITUD: 74-18 W.

M E S – NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.4	22.0	20.1	70.8	16.68	14.4	11.5	0.0	11.5	0.9
2	15.4	22.2	18.4	77.5	16.71	14.7	22.7	0.0	22.7	3.5
3	16.2	23.4	19.7	77.5	18.17	16.0	4.7	0.0	4.7	4.5
4	16.0	22.5	19.1	83.2	18.50	16.3	0.7	0.7	1.4	1.6
5	16.5	23.4	19.2	83.5	18.66	16.4	0.0	0.0	0.0	1.5
6	16.0	26.5	20.9	69.8	17.47	15.2	0.0	0.0	0.0	6.5
7	16.2	26.2	20.4	73.0	17.87	15.7	8.7	0.0	8.7	4.5
8	16.0	23.4	18.5	89.2	18.99	16.7	6.0	3.5	9.5	2.6
9	15.9	24.2	18.9	85.3	18.72	16.4	0.0	0.0	0.0	4.9
10	15.0	24.0	18.9	73.7	16.31	14.2	7.6	0.0	7.6	5.0
11	16.0	23.0	18.3	79.9	17.14	15.1	5.0	3.9	8.9	3.3
12	15.5	24.0	18.7	79.5	17.36	15.3	0.9	0.0	0.9	2.7
13	14.9	23.5	19.6	77.7	17.93	15.8	0.1	0.0	0.1	2.4
14	16.0	24.4	19.4	78.4	17.57	15.5	4.5	10.5	15.0	2.8
15	16.2	23.8	18.9	76.8	16.64	14.4	0.0	0.0	0.0	2.7
16	17.8	25.0	19.5	76.6	17.72	15.6	9.8	6.2	16.0	3.9
17	15.2	20.5	18.6	79.4	16.77	14.7	0.0	0.0	0.0	1.1
18	17.0	22.0	19.1	80.3	17.67	15.4	0.0	0.0	0.0	0.4
19	17.1	24.0	20.2	73.8	17.76	15.6	0.0	0.0	0.0	6.8
20	18.2	24.5	20.7	66.8	16.57	14.4	0.1	0.0	0.1	3.3
21	16.8	23.5	19.8	75.0	17.86	15.7	22.1	0.0	22.1	2.0
22	17.2	22.5	19.5	73.3	16.90	14.8	0.5	0.0	0.5	0.5
23	17.0	22.0	18.9	85.0	18.78	16.5	0.3	0.0	0.3	0.7
24	16.8	23.0	19.5	71.3	16.54	14.4	0.1	0.0	0.1	3.7
25	17.2	23.2	18.4	73.1	15.40	13.4	5.1	0.0	5.1	2.7
26	17.0	25.3	19.7	72.2	16.85	14.8	0.0	0.0	0.0	
27	17.4	24.8	19.7	70.0	16.29	14.3	0.0	0.0	0.0	2.6
28	18.2	24.9	20.5	69.5	16.81	14.8	0.0	0.0	0.0	1.9
29	17.8	26.0	21.7	63.4	16.78	14.7	0.0	0.0	0.0	3.5
30	16.6	20.2	18.5	83.2	17.74	15.6	1.0	0.0	1.0	0.3
PROM.	16.5	23.6	19.4	76.3	17.37	15.2	111.4	24.8	136.2	

M E S – DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	21.8	19.0	80.0	17.83	15.7	0.5	0.0	0.5	0.7
2	16.8	20.5	17.3	89.3	17.73	15.6	0.9	0.0	0.9	0.4
3	15.4	23.0	18.0	90.1	18.62	16.4	0.0	0.0	0.0	1.6
4	16.0	23.2	18.8	78.4	16.94	14.9	4.5	1.5	6.0	0.8
5	15.4	21.6	17.6	89.3	18.10	15.9	7.0	0.0	7.0	1.3
6	15.0	21.5	18.5	75.3	16.01	13.9	0.0	0.0	0.0	2.4
7	17.0	25.4	19.8	70.2	16.34	14.3	0.0	0.0	0.0	3.4
8	16.8	24.8	20.3	62.9	15.40	13.2	0.0	0.0	0.0	5.6
9	17.4	25.5	20.2	71.3	17.02	15.0	0.9	0.0	0.9	2.4
10	17.0	24.6	19.5	81.2	18.83	16.5	0.6	0.0	0.6	3.1
11	16.0	25.2	20.1	73.4	17.51	15.4	0.4	0.0	0.4	2.0
12	16.8	25.5	20.0	75.2	17.85	15.7	13.0	1.0	14.0	4.2
13	16.2	23.8	19.8	78.3	17.95	15.8	0.0	0.0	0.0	0.7
14	16.0	24.5	18.9	84.6	18.57	16.3	0.0	0.0	0.0	1.5
15	15.2	26.0	19.8	54.2	12.77	10.5	0.0	0.0	0.0	7.4
16	15.5	25.8	20.5	57.3	13.87	11.7	0.0	0.0	0.0	7.0
17	16.0	24.0	20.0	68.3	15.95	14.0	0.0	0.0	0.0	4.7
18	16.1	26.5	20.8	61.4	15.17	13.1	0.0	0.0	0.0	6.6
19	16.8	27.0	20.8	49.9	12.43	10.0	0.0	0.0	0.0	8.2
20	16.4	25.5	20.0	63.8	15.06	13.0	0.0	0.0	0.0	6.4
21	17.0	26.5	20.8	66.3	16.31	14.3	0.0	0.0	0.0	5.1
22	16.8	25.0	20.0	67.3	15.83	13.8	0.0	0.0	0.0	6.3
23	16.5	25.2	19.5	72.8	16.23	14.1	0.0	0.0	0.0	
24	16.0	23.6	18.8	75.4	16.46	14.5	4.9	0.0	4.9	
25	15.8	23.8	18.9	82.5	16.12	15.9	0.0	12.0	12.0	
26	15.2	24.0	18.7	79.4	17.34	15.2	0.0	0.0	0.0	2.9
27	15.0	23.8	18.4	78.7	16.59	14.6	0.0	0.0	0.0	3.5
28	15.8	20.6	19.1	76.7	16.86	14.8	0.0	0.0	0.0	4.3
29	15.6	26.5	19.8	70.5	15.94	13.9	0.0	0.0	0.0	5.5
30	14.8	27.5	20.4	61.4	14.25	12.2	0.0	0.0	0.0	5.9
31	14.7	27.3	20.1	61.9	14.13	12.1	0.0	14.2	14.2	7.5
PROM	16.1	24.7	19.5	72.5	16.39	14.3	32.7	28.7	61.4	

ESTACION: MISIONES MUNICIPIO: MESITAS COLEGIO AÑO: 1.989

ALTITUD: 1.540 LATITUD: 4-34 N. LONGITUD: 74-18 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	16.3	23.2	19.1	14.5	26.0	74.6	16.39	14.3	65.2	17	91.5
FEBRERO	15.9	22.6	18.6	13.6	25.5	78.9	16.85	14.7	146.0	15	80.0
MARZO	15.6	22.5	18.4	14.6	27.2	80.4	16.89	14.8	268.9	26	80.8
ABRIL	17.0	23.3	19.7	15.0	28.4	75.7	17.32	15.1	77.7	18	67.5
MAYO	16.2	22.6	19.1	14.5	25.2	75.4	16.69	14.6	118.1	21	62.4
JUNIO	16.5	23.0	19.3	14.0	25.0	72.9	16.27	14.2	43.3	18	74.5
JULIO	16.0	23.0	19.5	14.0	26.5	65.5	14.69	12.6	19.5	12	96.5
AGOSTO	16.5	24.1	20.0	14.0	27.4	66.2	15.30	13.2	73.2	14	79.4
SEPTIEMBRE	16.0	23.5	19.6	13.8	26.0	66.1	15.00	12.9	182.9	24	93.5
OCTUBRE	16.1	22.9	19.1	14.5	26.4	72.4	15.96	13.8	97.4	21	71.9
NOVIEMBRE	16.5	23.6	19.4	14.9	26.5	76.3	17.37	15.2	136.2	19	
DICIEMBRE	16.1	24.7	19.5	14.7	27.5	72.5	16.39	14.3	61.4	11	
PROMEDIO	16.2	23.3	19.3	14.3	26.3	73.1	16.26	14.1			
TOTAL									1289.8	216	

ESTACION: GRANJA TIBACUY MUNICIPIO: TIBACUY AÑO: 1.989

ALTITUD: 1.550 LATITUD: 4-21 N. LONGITUD: 74-25 W.

M E S – ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.5	21.8	18.3	79.4	16.73	14.7	3.1	0.0	3.1	2.0
2	14.6	20.2	16.8	92.0	17.87	15.7	3.5	0.0	3.5	0.3
3	15.2	22.3	18.4	79.9	16.94	14.9	0.0	0.0	0.0	2.7
4	14.8	23.4	19.3	75.1	17.18	15.1	0.0	0.0	0.0	5.2
5	15.0	21.8	17.6	92.0	18.56	16.3	0.0	0.0	0.0	0.6
6	15.5	21.6	18.4	87.8	18.65	16.4	0.0	0.0	0.0	1.8
7	14.5	23.2	18.6	83.6	18.05	15.9	0.0	0.0	0.0	4.8
8	14.5	24.8	19.6	76.5	17.54	15.5	0.0	0.4	0.4	5.8
9	14.0	24.6	19.8	72.4	16.98	14.9	0.0	9.5	9.5	7.6
10	15.0	24.2	18.9	75.0	16.46	14.4	0.2	0.0	0.2	5.5
11	15.2	24.4	19.5	80.1	18.31	16.1	0.0	0.0	0.0	5.8
12	15.4	24.6	20.8	68.5	17.06	15.0	0.0	0.0	0.0	4.1
13	14.8	26.4	19.9	74.8	17.24	15.2	0.0	0.0	0.0	0.3
14	15.4	23.2	19.2	82.7	18.45	16.2	0.0	0.0	0.0	5.6
15	14.6	23.6	20.0	88.3	20.49	17.9	0.0	0.0	0.0	8.7
16	15.4	24.4	19.2	76.2	17.23	15.2	0.0	0.0	0.0	5.2
17	15.8	23.6	18.4	83.3	17.86	15.7	0.0	0.0	0.0	3.1
18	15.6	23.2	19.0	78.7	17.21	15.2	0.0	0.0	0.0	5.5
19	14.5	23.8	18.3	81.2	17.20	15.1	0.0	0.0	0.0	5.7
20	15.3	21.2	18.0	86.4	18.09	15.9	0.0	0.0	0.0	5.4
21	14.8	24.0	19.7	83.5	19.41	17.0	0.0	0.0	0.0	3.0
22	16.3	23.0	19.1	78.9	17.54	15.5	0.0	0.0	0.0	1.3
23	16.5	24.2	19.2	79.1	17.82	15.7	0.0	0.0	0.0	1.8
24	14.6	25.8	19.7	73.8	16.91	14.9	0.0	0.0	0.0	5.8
25	14.5	24.6	20.0	81.2	19.12	16.8	0.0	0.0	0.0	3.9
26	14.6	25.5	19.7	78.4	18.06	15.9	0.0	0.0	0.0	6.8
27	16.5	21.5	17.7	95.2	19.28	16.9	5.8	0.0	5.8	1.0
28	15.0	22.0	17.9	92.3	18.84	16.5	0.0	0.0	0.0	1.8
29	15.8	22.4	18.5	89.9	19.18	16.8	0.0	0.0	0.0	2.4
30	15.5	23.0	17.8	88.3	18.26	16.0	0.0	0.0	0.0	4.4
31	16.4	23.6	18.4	80.1	17.26	15.2	0.4	0.0	0.4	2.5
PROM.	15.2	23.4	18.9	81.8	17.93	15.8	13.0	9.5	22.9	120.4

M E S – FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.1	21.2	17.5	90.7	18.19	16.0	1.5	4.6	6.1	1.6
2	15.2	23.5	18.2	87.0	18.32	16.1	0.0	0.0	0.0	3.5
3	14.8	20.2	16.9	94.5	18.42	16.2	9.4	23.7	33.1	0.5
4	15.0	21.5	17.1	88.7	17.48	15.4	2.3	26.5	28.8	2.0
5	14.2	20.6	17.1	86.5	16.98	14.9	0.4	0.0	0.4	
6	14.3	23.0	18.5	77.1	16.88	14.8	0.0	0.0	0.0	7.1
7	14.0	24.0	18.9	74.0	16.91	14.8	0.0	0.0	0.0	5.0
8	15.0	24.5	19.5	78.3	17.99	15.8	0.0	0.0	0.0	7.0
9	14.3	23.8	18.0	86.4	18.80	16.4	0.9	0.0	0.9	4.2
10	15.2	23.0	18.8	85.0	18.59	16.3	0.0	25.3	25.3	1.7
11	14.0	21.0	17.5	91.9	18.72	16.4	0.0	0.0	0.0	0.5
12	13.5	22.3	18.0	75.2	15.60	13.6	0.0	0.0	0.0	4.0
13	14.4	22.5	18.7	79.0	17.24	15.2	0.0	0.0	0.0	4.9
14	14.8	24.0	19.8	77.4	18.02	15.8	0.0	0.0	0.0	6.3
15	14.4	24.3	18.4	83.9	18.01	15.8	0.0	0.0	0.0	6.3
16	14.0	23.7	18.5	81.3	17.46	15.4	0.0	0.0	0.0	8.7
17	16.0	21.6	18.1	80.2	16.84	14.8	0.0	0.0	0.0	3.7
18	15.2	23.2	18.2	82.7	17.51	15.4	0.0	0.0	0.0	6.5
19	15.7	23.5	18.7	83.5	18.12	16.0	0.0	0.0	0.0	3.6
20	15.2	20.2	17.4	90.7	18.21	16.0	0.2	0.0	0.2	0.1
21	15.0	23.0	17.7	87.0	17.90	15.7	0.3	0.0	0.3	2.1
22	15.5	24.7	20.0	79.6	18.53	16.3	0.4	0.0	0.4	3.4
23	15.0	21.0	17.0	89.8	17.77	15.6	27.6	0.0	27.6	1.6
24	15.0	21.5	17.6	88.5	17.80	15.7	0.0	0.2	0.2	1.8
25	15.5	21.0	17.7	88.6	18.01	15.9	0.5	0.0	0.5	2.4
26	15.7	22.5	19.0	81.2	18.11	15.9	0.0	0.0	0.0	1.1
27	15.0	23.2	18.4	84.0	18.17	16.0	0.0	0.0	0.0	3.5
28	15.0	25.2	19.7	78.0	18.04	15.9	0.0	0.0	0.0	7.4
PROM	14.9	22.6	18.2	84.0	17.81	15.6	43.5	80.3	123.8	

ESTACION: GRANJA TIBACUY MUNICIPIO: TIBACUY AÑO: 1.989

ALTITUD: 1.550 LATITUD: 4-21 N. LONGITUD: 74-25 W.

M E S — MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.6	25.7	19.5	76.2	17.13	15.1	0.0	0.0	0.0	6.6
2	14.5	25.6	20.4	78.1	18.81	16.6	0.0	0.0	0.0	7.4
3	15.5	25.0	20.1	79.7	19.12	16.8	0.0	0.0	0.0	4.8
4	16.2	24.4	19.7	82.0	19.04	16.7	0.3	14.3	14.6	3.2
5	16.0	19.3	17.3	92.8	18.19	16.0	0.2	0.5	0.7	0.0
6	15.5	24.0	18.1	88.2	18.48	16.3	3.7	8.8	12.5	5.4
7	15.9	22.8	18.1	89.3	18.88	16.6	27.3	0.4	27.7	2.3
8	16.0	20.0	17.0	94.8	18.49	16.3	0.1	0.2	0.3	0.7
9	15.8	21.8	17.7	87.2	17.89	15.8	0.7	0.2	0.9	1.1
10	16.0	22.0	18.5	86.2	18.59	16.4	1.1	0.7	1.8	2.7
11	15.8	19.4	17.3	92.8	18.67	16.4	24.3	0.0	24.3	0.0
12	15.7	19.7	17.6	92.5	18.73	16.5	7.2	9.2	16.4	0.0
13	16.0	17.0	16.4	96.8	18.06	15.9	8.1	6.5	14.6	0.0
14	15.4	19.3	16.9	94.5	18.37	16.1	2.8	0.0	2.8	
15	15.2	21.2	17.7	91.0	18.54	16.3	18.5	24.6	43.1	0.9
16	15.5	21.5	17.7	90.2	18.63	16.4	4.4	4.9	9.3	0.8
17	14.5	22.6	18.0	88.1	18.39	16.1	0.5	1.3	1.8	3.6
18	14.2	21.5	17.5	90.8	18.45	16.2	0.0	3.6	3.6	4.7
19	15.4	22.5	17.3	91.6	18.49	16.2	1.4	9.3	10.7	
20	15.5	19.7	17.0	91.8	17.97	15.8	12.1	0.1	12.2	0.3
21	15.4	21.7	17.9	88.9	18.31	16.1	0.0	10.5	10.5	1.6
22	14.2	22.5	17.7	85.4	17.41	15.3	0.0	1.4	1.4	7.3
23	14.0	22.0	17.6	87.3	17.76	15.6	0.0	0.2	0.2	6.8
24	15.6	21.8	17.6	86.7	17.64	15.5	0.6	0.0	0.6	1.8
25	13.5	23.7	18.4	81.1	17.43	15.3	0.0	0.9	0.9	8.3
26	14.4	22.3	18.4	86.2	18.40	16.2	9.5	0.1	9.6	2.4
27	15.0	22.4	17.9	87.5	18.20	16.0	9.8	3.7	13.5	3.9
28	15.4	22.0	17.4	88.0	17.61	15.5	31.7	3.9	35.6	0.8
29	14.0	22.1	17.2	90.0	18.12	15.9	5.1	0.0	5.1	5.7
30	15.0	24.0	18.6	79.1	17.33	15.2	0.0	9.2	9.2	7.0
31	14.6	21.6	17.6	86.9	17.68	15.5	0.0	0.0	0.0	0.9
PROM.	15.2	22.0	17.9	87.8	18.22	16.0	169.4	114.5	283.9	

M E S — ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.4	20.5	17.2	92.2	18.38	16.2	1.0	9.4	10.4	0.3
2	15.5	22.0	17.8	92.0	18.75	16.5	0.0	5.8	5.8	1.2
3	15.0	20.7	17.4	88.1	17.63	15.5	0.3	0.0	0.3	0.7
4	14.2	23.3	18.9	79.8	17.31	15.2	0.0	0.5	0.5	3.9
5	16.0	22.3	18.3	83.7	17.89	15.8	0.0	0.0	0.0	3.4
6	15.2	22.0	17.9	87.9	18.42	16.2	0.0	0.0	0.0	1.8
7	14.0	23.0	19.0	70.2	15.72	13.7	0.0	0.0	0.0	4.1
8	16.3	24.4	19.9	82.2	19.17	16.8	0.0	0.0	0.0	8.2
9	15.4	23.7	19.2	81.5	18.13	16.0	0.2	0.0	0.2	6.1
10	15.5	23.0	17.6	86.3	17.68	15.5	0.0	0.0	0.0	2.3
11	14.4	23.6	19.4	73.2	17.04	14.8	0.0	0.0	0.0	6.2
12	15.0	23.5	18.9	81.4	17.84	15.7	0.0	0.0	0.0	2.2
13	15.2	23.6	19.0	83.1	18.37	16.2	0.8	0.0	0.8	1.4
14	15.6	23.0	18.8	84.9	18.82	16.4	0.1	0.0	0.1	2.6
15	15.5	23.4	18.8	84.4	18.82	16.5	0.0	0.0	0.0	3.5
16	15.6	25.0	19.9	79.0	18.86	16.5	0.0	0.0	0.0	6.0
17	15.8	24.5	20.4	79.5	19.27	16.9	0.0	0.0	0.0	5.9
18	15.6	24.8	19.8	76.9	18.26	16.0	0.0	0.0	0.0	8.1
19	16.4	24.5	20.2	77.1	18.68	16.3	0.0	0.0	0.0	6.8
20	15.8	24.2	20.1	77.1	18.57	16.3	0.0	0.0	0.0	3.8
21	17.0	24.0	20.4	80.1	19.28	16.9	0.0	34.1	34.1	4.6
22	16.5	23.0	19.6	86.7	20.28	17.6	0.0	0.0	0.0	2.2
23	16.8	22.8	19.0	82.0	18.39	16.1	0.0	0.0	0.0	1.9
24	16.6	23.0	18.1	86.9	18.29	16.0	11.5	0.0	11.5	3.1
25	14.5	25.2	20.0	75.8	17.85	15.7	0.0	0.0	0.0	5.9
26	15.2	22.2	18.7	88.3	19.15	16.8	0.0	0.0	0.0	0.0
27	15.5	23.2	18.8	88.4	19.53	17.1	0.0	0.0	0.0	2.3
28	17.5	23.5	18.0	90.6	18.86	16.6	0.3	0.0	0.3	0.0
29	14.8	23.6	18.6	89.0	19.34	16.9	0.0	12.0	12.0	2.8
30	15.8	23.4	18.4	87.4	18.64	16.4	0.0	0.0	0.0	5.4
PROM	15.6	23.3	18.9	83.2	18.44	16.2	14.2	61.8	76.0	106.7

ESTACION: GRANJA TIBACUY MUNICIPIO: TIBACUY AÑO: 1.989

ALTITUD: 1.550 LATITUD: 4-21 N. LONGITUD: 74-25 W.

M E S - MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.4	23.4	18.6	84.7	18.46	16.3	10.7	19.3	30.0	2.9
2	15.2	22.5	17.8	87.5	18.17	16.0	0.0	4.7	4.7	2.4
3	16.0	21.5	18.0	88.6	18.42	16.2	0.0	0.0	0.0	0.9
4	15.8	24.0	18.5	88.3	19.03	16.7	1.3	0.0	1.3	1.8
5	15.1	23.5	19.3	83.0	18.63	16.4	0.0	8.3	8.3	5.0
6	15.2	20.1	16.9	89.0	17.22	15.2	0.0	0.0	0.0	0.2
7	15.0	24.4	19.4	85.0	19.42	17.0	0.1	6.3	6.4	4.2
8	16.2	21.3	18.4	91.2	19.57	17.2	0.2	6.8	7.0	0.3
9	15.2	23.6	19.1	82.5	18.41	16.2	0.6	0.3	0.9	6.5
10	15.5	22.0	17.8	89.6	18.62	16.4	1.6	0.5	2.1	1.9
11	14.5	24.0	19.1	86.2	19.12	16.8	0.0	0.0	0.0	6.2
12	15.4	23.8	19.7	72.8	17.13	15.1	5.9	0.5	6.4	4.9
13	15.6	21.0	16.6	93.3	17.86	15.7	1.4	0.0	1.4	1.2
14	15.0	22.5	18.1	85.2	17.98	15.8	0.2	0.0	0.2	1.7
15	15.0	22.7	18.4	86.7	18.62	16.4	0.0	0.0	0.0	4.7
16	14.4	24.2	19.7	79.9	18.88	16.5	0.0	0.0	0.0	8.0
17	15.0	22.6	19.6	75.0	17.37	15.3	0.0	0.0	0.0	2.9
18	16.4	23.5	19.4	84.2	19.19	16.8	0.1	2.4	2.5	5.4
19	15.0	22.5	18.5	81.2	17.53	15.4	0.0	0.0	0.0	2.2
20	14.9	23.3	19.0	85.0	18.99	16.7	0.0	0.0	0.0	5.1
21	14.8	22.8	18.7	89.0	19.53	17.1	0.0	0.0	0.0	1.1
22	14.9	24.2	19.6	84.6	19.48	17.1	0.0	0.0	0.0	3.8
23	15.5	23.5	19.3	84.2	18.96	16.7	0.0	0.0	0.0	2.6
24	16.4	22.8	19.5	81.4	18.65	16.4	0.5	6.1	6.6	1.5
25	16.2	20.0	18.5	93.0	19.68	17.2	2.8	0.8	3.6	0.1
26	15.5	19.8	16.9	93.3	18.18	16.0	8.0	0.0	8.0	0.2
27	15.6	24.5	19.7	75.8	17.87	15.6	0.0	2.2	2.2	8.3
28	15.4	23.2	17.8	92.2	18.80	16.5	9.4	0.0	9.4	3.0
29	13.5	24.0	18.3	79.3	17.09	15.0	0.0	0.0	0.0	5.3
30	15.8	23.9	19.1	83.5	18.94	16.6	0.0	0.0	0.0	4.6
31	15.4	24.2	19.7	78.5	18.59	16.3	0.5	0.1	0.6	2.9
PROM.	15.3	22.9	18.7	85.0	18.53	16.3	43.3	58.3	101.6	101.8

M E S - JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.7	23.5	18.9	85.3	18.80	16.5	0.0	9.1	9.1	1.3
2	15.6	23.4	19.2	79.1	18.09	15.9	0.0	0.0	0.0	3.6
3	16.0	18.7	16.3	94.5	17.77	15.6	1.2	0.0	1.2	0.0
4	13.8	24.0	18.6	78.2	16.89	14.9	0.0	0.0	0.0	5.8
5	16.4	22.0	17.4	94.0	18.76	16.5	1.9	0.0	1.9	2.8
6	15.3	23.3	18.3	86.1	18.51	16.3	0.0	0.0	0.0	3.5
7	15.7	22.0	17.1	88.1	17.20	15.1	4.0	0.0	4.0	3.0
8	14.4	23.5	19.5	81.4	18.54	16.3	0.0	0.0	0.0	5.7
9	15.5	22.4	18.9	85.8	18.93	16.6	0.7	0.6	1.3	0.7
10	15.4	23.8	19.7	78.2	17.86	15.7	0.0	0.8	0.8	4.3
11	15.8	23.0	18.9	85.0	18.83	16.5	0.1	0.1	0.2	1.4
12	16.0	24.0	18.7	85.0	18.67	16.4	0.0	6.2	6.2	4.1
13	14.0	21.5	17.4	89.9	17.95	15.8	0.0	0.0	0.0	1.0
14	15.2	24.4	19.2	81.0	18.42	16.2	0.0	0.0	0.0	7.5
15	16.4	24.6	19.2	82.2	18.46	16.2	0.0	0.0	0.0	5.1
16	13.3	24.5	19.2	75.9	16.83	14.8	0.0	0.0	0.0	3.9
17	16.8	24.0	19.2	80.1	18.10	15.9	0.0	0.0	0.0	1.8
18	15.8	23.4	19.2	83.4	19.10	16.8	2.2	0.0	2.2	4.9
19	15.0	22.6	18.3	84.7	18.05	15.8	0.0	0.0	0.0	1.6
20	15.2	22.5	18.7	81.8	18.02	15.8	0.0	0.6	0.6	4.5
21	15.4	23.0	18.3	87.9	18.62	16.4	0.8	0.7	1.5	4.1
22	14.5	23.8	18.9	77.5	17.17	15.1	0.0	0.0	0.0	5.9
23	15.5	20.6	16.8	91.9	18.07	15.9	2.5	0.0	2.5	0.3
24	14.4	23.5	18.0	81.6	17.42	15.3	0.3	1.0	1.3	
25	15.6	19.4	17.3	90.3	18.12	16.0	0.0	0.0	0.0	
26	15.8	22.5	18.9	83.8	18.57	16.3	0.1	1.1	1.2	3.6
27	14.0	23.0	18.7	76.6	17.03	15.0	0.0	0.0	0.0	4.8
28	14.4	23.5	19.1	78.6	17.68	15.5	0.0	0.0	0.0	6.8
29	16.0	24.5	19.8	76.0	17.98	15.8	0.0	0.0	0.0	8.4
30	14.8	23.2	18.1	78.4	16.69	14.6	0.0	0.0	0.0	3.0
PROM	15.3	22.9	18.5	83.4	18.04	15.9	13.8	20.2	34.0	

ESTACION: GRANJA TIBACUY MUNICIPIO: TIBACUY AÑO: 1.989

ALTITUD: 1.550 LATITUD: 4-21 N. LONGITUD: 74-25 W.

M E S - JULIO

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.0	24.2	18.8	80.2	17.70	15.6	0.0	0.4	0.4	6.2
2	14.8	22.0	17.5	82.9	16.83	14.8	0.0	0.0	0.0	4.5
3	15.4	24.0	18.2	73.1	15.63	13.6	0.0	0.0	0.0	4.2
4	14.0	23.8	19.5	62.3	14.50	12.5	0.0	0.0	0.0	5.3
5	15.5	23.0	19.0	83.1	18.55	16.3	0.0	0.0	0.0	2.2
6	15.0	21.5	18.6	83.3	18.10	15.9	0.1	0.4	0.5	1.6
7	15.5	21.7	17.5	84.2	16.79	14.8	0.4	0.0	0.4	0.6
8	13.0	23.4	18.7	73.0	15.88	13.9	0.0	0.0	0.0	4.0
9	13.2	23.2	19.2	71.8	15.91	13.9	0.0	0.0	0.0	3.5
10	13.5	24.0	18.9	72.3	15.75	13.7	0.0	0.0	0.0	5.7
11	13.6	23.8	19.0	73.1	16.18	14.2	0.0	0.0	0.0	3.5
12	14.2	24.0	19.3	71.8	15.75	13.8	0.0	0.0	0.0	5.8
13	16.0	25.0	20.3	74.4	17.35	15.3	0.0	0.0	0.0	8.0
14	14.5	24.3	19.5	74.9	17.29	15.2	0.0	0.0	0.0	6.6
15	15.8	25.0	20.1	71.6	16.98	15.0	0.0	0.0	0.0	6.2
16	15.5	24.6	19.2	78.9	17.87	15.7	0.2	0.0	0.2	2.0
17	14.9	22.0	18.4	79.5	16.84	14.8	0.0	0.0	0.0	1.8
18	16.0	25.0	19.7	72.5	16.68	14.7	0.0	0.0	0.0	3.1
19	15.5	24.3	19.8	70.8	16.44	14.4	0.0	0.0	0.0	3.7
20	14.4	22.6	19.1	82.2	18.54	16.3	0.0	0.0	0.0	1.3
21	14.9	22.5	19.0	83.1	18.30	16.1	0.4	4.0	4.4	1.9
22	15.7	20.7	17.1	91.1	18.13	15.9	8.1	0.0	8.1	0.5
23	14.5	24.0	18.9	76.8	16.90	14.9	0.6	0.0	0.6	5.5
24	15.6	22.0	18.8	84.5	18.75	16.5	0.1	0.5	0.6	2.6
25	15.0	23.7	19.0	80.4	17.72	15.6	7.2	0.0	7.2	3.3
26	15.4	21.5	18.0	78.3	16.18	14.2	1.3	0.0	1.3	1.1
27	15.2	24.0	19.3	73.6	16.67	14.7	0.0	0.0	0.0	4.0
28	13.5	25.0	19.7	70.4	16.31	14.1	0.0	0.0	0.0	7.5
29	14.5	24.8	19.5	71.5	16.45	14.5	0.0	0.0	0.0	5.7
30	15.6	24.6	20.5	72.2	17.63	15.4	0.0	0.0	0.0	5.8
31	17.3	25.5	20.7	75.6	18.53	16.3	0.0	2.4	2.4	7.1
PROM.	14.9	23.5	19.1	76.6	17.00	14.9	18.4	7.7	26.1	124.8

M E S - AGOSTO

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.5	22.4	18.4	81.3	17.39	15.3	0.0	0.0	0.0	1.6
2	14.0	25.4	18.7	77.0	16.69	14.7	0.2	0.0	0.2	6.7
3	13.8	24.5	20.1	60.6	14.42	12.4	0.0	0.0	0.0	7.6
4	14.3	24.0	20.2	66.7	15.72	13.7	0.0	0.0	0.0	5.6
5	15.8	24.5	19.7	76.4	17.40	15.3	0.0	7.6	7.6	3.1
6	14.0	23.0	19.2	76.4	17.08	15.0	0.0	0.0	0.0	5.4
7	13.5	26.0	20.3	61.7	14.73	12.7	0.0	0.0	0.0	8.6
8	17.0	25.5	21.3	70.2	17.93	15.8	0.0	0.0	0.0	6.2
9	17.2	24.0	19.9	75.7	18.12	15.9	0.0	0.0	0.0	4.1
10	16.5	23.2	18.9	77.1	17.11	15.1	0.0	2.8	2.8	1.7
11	15.5	23.0	18.2	83.6	17.30	15.2	0.0	0.0	0.0	3.4
12	15.0	24.0	19.8	70.7	16.48	14.5	0.0	0.5	0.5	4.9
13	16.0	23.5	20.0	71.5	16.84	14.8	0.0	0.0	0.0	4.1
14	16.2	23.2	19.2	77.3	17.30	15.2	0.0	1.8	1.8	2.7
15	16.4	24.6	19.5	81.2	18.20	16.0	0.0	2.2	2.2	4.6
16	14.8	23.8	19.2	75.8	16.92	14.9	0.0	0.0	0.0	4.1
17	16.0	24.5	19.3	71.6	16.17	14.2	0.0	0.3	0.3	1.0
18	15.4	25.8	19.7	70.3	16.11	14.1	0.0	0.0	0.0	4.4
19	16.2	24.6	20.0	78.2	18.08	15.9	0.0	2.5	2.5	
20	17.0	24.5	19.4	81.8	18.76	16.5	0.0	2.5	2.5	
21	14.8	25.1	20.0	77.9	18.33	16.1	0.0	0.0	0.0	5.3
22	14.8	25.4	19.8	78.8	17.83	15.7	0.0	1.7	1.7	3.9
23	16.8	22.8	18.5	83.9	18.21	16.0	0.0	0.0	0.0	1.2
24	13.5	26.0	19.7	71.4	16.06	14.1	0.0	0.0	0.0	7.5
25	14.0	23.6	19.7	74.1	17.27	15.2	0.0	0.0	0.0	4.1
26	14.8	25.4	20.5	70.0	16.94	14.9	0.0	4.0	4.0	6.1
27	16.0	24.6	20.1	68.1	16.44	14.4	0.0	0.7	0.7	7.7
28	15.4	24.4	19.3	83.3	18.35	16.2	0.0	2.1	2.1	3.1
29	15.8	22.8	18.6	86.2	18.52	16.3	0.0	8.4	8.4	0.9
30	15.4	22.3	17.5	90.9	18.55	16.3	0.0	0.0	0.0	3.4
31	15.2	21.2	18.0	85.7	18.00	15.9	0.0	0.0	0.0	
PROM	15.4	24.1	19.4	76.0	17.20	15.1	0.2	37.1	37.3	

ESTACION: GRANJA TIBACUY MUNICIPIO: TIBACUY AÑO: 1.969

ALTITUD: 1.550 LATITUD: 4-21 N. LONGITUD: 74-25 W.

M E S – SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	13.8	25.6	20.1	64.1	15.05	13.1	0.0	0.0	0.0	8.2
2	15.8	24.8	19.7	71.3	16.38	14.4	0.0	0.0	0.0	5.5
3	14.5	25.0	20.8	67.1	16.84	14.8	0.0	0.6	0.6	7.1
4	15.4	24.0	20.0	82.2	19.12	16.8	0.0	1.1	1.1	4.8
5	15.7	23.0	18.5	84.5	18.06	15.9	12.9	1.3	14.2	2.0
6	15.5	21.0	18.1	84.8	17.79	15.6	0.1	0.0	0.1	1.3
7	15.0	23.0	19.1	80.5	18.14	15.9	0.0	0.0	0.0	4.2
8	14.5	22.6	18.8	79.1	17.45	15.2	0.0	0.5	0.5	3.1
9	15.0	25.1	19.6	74.8	16.90	14.9	0.0	0.7	0.7	5.9
10	16.4	24.2	18.0	87.4	18.03	15.9	0.1	0.0	0.1	2.9
11	14.3	24.0	19.3	72.0	16.30	14.3	0.0	0.0	0.0	5.5
12	16.0	25.8	20.2	70.9	16.89	14.9	0.0	0.0	0.0	4.3
13	14.5	25.0	20.7	67.6	16.86	14.7	0.0	0.0	0.0	6.6
14	15.8	24.5	19.6	73.5	16.93	14.9	0.0	0.0	0.0	6.9
15	15.6	25.6	21.5	68.7	17.82	15.7	1.9	0.0	1.9	6.8
16	15.0	25.5	19.9	72.2	16.73	14.7	0.0	0.0	0.0	4.2
17	14.9	26.3	19.7	75.9	17.53	15.4	2.6	0.1	2.7	5.0
18	14.5	23.5	19.0	73.2	16.21	14.2	0.4	0.0	0.4	3.8
19	15.0	23.0	19.0	80.4	17.69	15.6	0.1	0.0	0.1	2.6
20	17.0	21.5	18.0	86.3	18.58	16.2	12.2	0.0	12.2	0.4
21	14.5	23.8	19.6	80.0	17.99	15.8	0.0	20.9	20.9	3.4
22	15.5	22.5	18.4	80.4	17.15	15.1	1.4	0.0	1.4	1.0
23	15.0	24.5	19.7	72.0	16.94	14.9	1.0	0.0	1.0	5.4
24	14.9	24.2	18.8	78.4	17.29	15.2	0.0	0.0	0.0	2.5
25	15.0	23.4	18.5	79.7	17.44	15.2	1.5	0.0	1.5	2.9
26	15.5	23.2	18.6	78.8	16.82	14.8	0.8	0.0	0.8	2.8
27	15.0	23.4	19.0	82.3	18.31	16.1	0.1	3.1	3.2	3.4
28	15.2	22.5	19.2	79.0	17.72	15.6	1.8	37.0	38.8	2.0
29	15.0	22.4	18.0	83.4	17.42	15.4	0.0	0.0	0.0	1.6
30	15.5	25.6	20.3	70.6	17.07	15.0	0.0	0.0	0.0	2.6
PROM.	15.2	24.0	19.3	76.7	17.32	15.2	36.9	65.3	102.2	118.7

M E S – OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.5	25.0	20.8	63.1	15.74	13.8	0.0	0.0	0.0	6.6
2	15.6	23.5	20.1	72.9	17.52	15.4	0.4	2.9	3.3	2.7
3	14.2	23.2	18.7	82.9	17.85	15.7	0.0	5.1	5.1	3.9
4	15.5	21.6	17.1	88.9	17.51	15.4	0.1	4.2	4.3	2.5
5	15.6	19.2	16.3	94.0	17.74	15.6	3.8	0.0	3.8	0.7
6	13.6	24.6	19.8	72.5	16.78	14.7	0.0	2.0	2.0	7.9
7	13.5	25.0	20.1	69.4	16.57	14.6	0.0	0.0	0.0	7.3
8	15.6	22.6	18.2	77.8	16.88	14.7	0.0	0.0	0.0	3.4
9	14.5	22.3	19.1	75.8	17.03	14.9	0.0	0.0	0.0	2.0
10	15.2	23.8	18.9	81.8	17.98	15.8	0.0	0.5	0.5	2.6
11	15.6	19.0	16.6	93.2	17.79	15.7	7.0	0.0	7.0	0.2
12	14.5	22.4	18.6	79.0	17.44	15.3	0.0	0.0	0.0	4.6
13	15.0	22.3	18.3	84.7	18.40	16.1	7.6	11.3	18.9	3.2
14	14.9	22.7	18.8	82.9	18.09	15.9	0.1	1.6	1.7	5.2
15	14.0	22.4	18.7	76.2	16.84	14.7	0.0	0.0	0.0	4.0
16	16.6	24.0	19.2	77.3	17.89	15.7	0.0	14.2	14.2	5.8
17	15.6	23.2	18.8	85.3	18.52	16.3	0.0	3.7	3.7	4.1
18	16.0	23.0	19.0	85.1	18.92	16.6	0.0	2.4	2.4	4.3
19	14.0	23.2	17.8	81.7	17.05	15.0	0.0	0.0	0.0	4.8
20	16.5	24.6	19.8	76.9	17.97	15.8	0.0	0.0	0.0	7.2
21	16.0	24.8	20.4	74.2	18.14	15.9	0.1	0.0	0.1	7.3
22	15.2	24.0	19.1	79.8	18.38	16.1	0.0	0.0	0.0	5.9
23	14.5	23.2	19.5	80.1	18.34	16.1	0.0	3.5	3.5	4.6
24	15.5	20.2	18.4	84.2	17.92	15.7	0.0	0.0	0.0	0.5
25	14.5	22.5	19.0	80.4	18.26	16.0	0.0	0.0	0.0	4.0
26	16.0	23.2	20.0	79.1	19.03	16.7	0.0	0.0	0.0	5.3
27	15.6	23.1	20.0	79.3	18.77	16.5	0.0	29.1	29.1	3.4
28	15.5	21.6	17.9	85.9	17.68	15.6	1.4	0.0	1.4	0.2
29	16.2	23.6	19.0	79.4	17.97	15.8	0.0	0.0	0.0	1.7
30	15.5	22.4	19.1	83.5	18.78	16.5	0.0	0.3	0.3	3.9
31	16.5	22.0	19.0	82.7	18.47	16.2	0.9	2.2	3.1	1.6
PROM	15.2	22.8	18.9	80.3	17.81	15.6	21.4	83.0	104.4	121.4

ESTACION: GRANJA TIBACUY MUNICIPIO: TIBACUY AÑO: 1.989

ALTITUD: 1.550 LATITUD: 4-21 N. LONGITUD: 74-25 W.

M E S – NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.5	21.7	19.4	80.1	18.30	16.1	0.0	0.0	0.0	1.3
2	14.8	22.5	18.6	80.6	17.65	15.5	0.0	14.8	14.8	3.2
3	16.4	21.5	18.4	93.9	20.44	17.8	10.8	0.1	10.9	3.4
4	14.5	21.8	19.0	85.8	19.20	16.8	0.0	18.4	18.4	0.6
5	15.0	22.5	18.8	90.6	20.12	17.6	5.1	0.0	5.1	2.3
6	15.5	24.0	20.8	78.1	19.58	17.0	0.0	0.2	0.2	7.9
7	15.6	23.5	18.3	89.3	19.38	17.0	32.3	0.1	32.4	3.8
8	15.8	22.0	18.8	89.9	19.83	17.3	4.0	0.5	4.5	2.3
9	17.0	21.0	18.3	92.6	19.77	17.3	4.7	0.0	4.7	1.0
10	13.5	22.0	18.9	84.8	18.82	16.5	3.7	1.3	5.0	4.3
11	16.0	21.5	17.9	91.0	18.86	16.6	16.3	14.0	30.3	1.6
12	15.5	22.0	18.4	91.4	19.63	17.2	0.7	0.1	0.8	1.7
13	15.6	21.5	18.6	87.3	18.93	16.6	0.0	12.4	12.4	1.7
14	15.0	23.5	19.3	86.3	19.62	17.2	0.0	0.0	0.0	6.8
15	16.2	24.4	20.1	79.5	19.43	17.0	0.1	0.0	0.1	6.5
16	15.5	24.8	19.7	78.9	18.81	16.5	1.1	4.1	5.2	5.5
17	16.5	23.5	19.3	83.5	18.76	16.5	0.0	0.2	0.2	3.8
18	16.6	24.5	19.2	82.4	18.85	16.6	0.3	0.0	0.3	4.2
19	15.0	24.4	20.6	73.0	18.18	15.9	0.0	0.0	0.0	8.1
20	17.5	25.0	20.5	77.2	19.31	16.8	0.0	0.0	0.0	6.7
21	17.0	23.6	20.1	80.8	19.13	16.8	0.0	0.0	0.0	2.5
22	16.7	21.6	18.6	84.6	18.51	16.2	0.0	0.1	0.1	0.5
23	16.5	22.0	18.6	91.4	19.95	17.4	0.2	0.0	0.2	1.0
24	15.0	24.5	19.0	83.4	18.80	16.5	0.0	0.0	0.0	6.3
25	16.5	24.0	18.9	84.0	18.68	16.4	0.0	0.0	0.0	4.4
26	14.8	24.9	20.3	70.3	17.33	15.2	0.0	0.0	0.0	7.4
27	15.5	23.8	19.4	84.4	19.33	16.9	0.0	0.0	0.0	3.4
28	16.8	24.2	19.3	83.3	18.93	16.6	0.0	0.0	0.0	4.0
29	16.0	25.2	20.6	72.0	18.03	15.8	0.0	0.0	0.0	5.6
30	16.6	22.6	18.5	84.1	18.19	16.0	0.6	0.0	0.6	2.7
PROM.	15.8	23.1	19.2	83.8	19.01	16.7	79.9	66.3	146.2	114.5

M E S – DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.5	23.2	19.7	84.0	19.62	17.2	0.0	22.8	22.8	2.6
2	16.0	20.6	17.9	93.5	19.37	17.0	2.8	0.0	2.8	0.0
3	16.1	22.0	18.8	91.1	19.77	17.3	11.1	6.6	17.7	2.7
4	17.0	21.7	18.3	89.6	19.27	16.9	5.0	0.0	5.0	1.3
5	14.5	21.5	17.9	90.0	18.86	16.6	6.6	0.0	6.6	2.2
6	15.0	21.6	18.5	81.2	17.54	15.4	0.1	0.0	0.1	3.3
7	14.5	24.5	19.3	78.2	17.82	15.6	0.0	0.0	0.0	8.1
8	14.0	24.5	20.2	70.1	17.36	15.1	0.0	0.0	0.0	6.8
9	15.0	23.7	19.4	84.7	19.32	17.0	0.6	0.0	0.6	3.1
10	16.0	23.0	19.6	83.8	19.37	17.0	0.0	0.0	0.0	1.2
11	16.3	22.5	18.6	89.1	19.52	17.0	2.1	0.0	2.1	1.6
12	15.5	23.0	19.3	83.7	19.03	16.7	0.0	0.0	0.0	2.5
13	16.3	23.2	19.3	84.7	19.26	16.9	0.0	0.0	0.0	1.8
14	15.5	23.5	18.7	86.2	18.95	16.6	0.0	0.0	0.0	3.2
15	13.5	24.5	18.1	73.1	15.35	13.4	0.0	0.0	0.0	9.2
16	13.4	24.7	18.9	78.0	17.28	15.2	0.0	0.0	0.0	7.9
17	14.4	24.6	19.4	75.6	17.46	15.3	0.0	0.0	0.0	7.4
18	14.2	25.0	19.3	74.0	16.70	14.7	0.0	0.0	0.0	8.4
19	14.0	25.2	19.6	59.3	13.96	11.9	0.0	0.0	0.0	8.8
20	13.5	25.3	19.7	71.4	16.88	14.8	0.0	0.0	0.0	9.3
21	14.5	24.5	19.6	73.8	17.41	15.3	0.0	0.0	0.0	7.3
22	14.8	25.5	20.0	68.4	16.44	14.3	0.0	0.0	0.0	7.9
23	14.4	25.3	19.7	75.0	17.54	15.4	0.0	0.0	0.0	8.7
24	14.2	24.6	18.9	76.9	17.33	15.2	0.0	0.0	0.0	5.0
25	15.5	21.5	18.1	88.6	18.74	16.4	3.6	12.6	16.2	1.3
26	14.5	23.5	17.5	93.0	18.94	16.6	8.3	0.0	8.3	3.5
27	15.0	23.0	18.2	89.8	19.06	16.7	5.7	0.0	5.7	4.6
28	15.8	23.8	18.9	81.3	17.90	15.7	0.0	0.2	0.2	4.7
29	15.5	24.5	18.6	82.4	18.18	16.0	0.0	0.0	0.0	5.9
30	14.2	24.2	18.5	76.6	16.58	14.6	0.0	0.0	0.0	7.3
31	13.8	24.6	18.8	72.8	16.22	14.3	0.0	0.0	0.0	8.5
PROM	14.9	23.6	18.9	80.6	17.97	15.7	45.9	42.2	88.1	156.1

ESTACION: GRANJA TIBACUY MUNICIPIO: TIBACUY AÑO: 1.989

ALTITUD: 1.550 LATITUD: 4-21 N. LONGITUD 74-25 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	15.2	23.4	18.9	14.0	26.4	81.8	17.93	15.8	22.9	7	120.4
FEBRERO	14.9	22.6	18.2	13.5	25.2	84.0	17.81	15.6	123.8	12	
MARZO	15.2	22.0	17.9	13.5	25.7	87.8	18.22	16.0	283.9	27	
ABRIL	15.6	23.3	18.9	14.0	25.2	83.2	18.44	16.2	76.0	11	106.7
MAYO	15.3	22.9	18.7	13.5	24.5	85.0	18.53	16.3	101.6	18	101.8
JUNIO	15.3	22.9	18.5	13.3	24.6	83.4	18.04	15.9	34.0	14	
JULIO	14.9	23.5	19.1	13.0	25.5	76.6	17.00	14.9	26.1	11	124.8
AGOSTO	15.4	24.1	19.4	13.5	26.0	76.0	17.20	15.1	37.3	14	
SEPTIEMBRE	15.2	24.0	19.3	13.8	26.3	76.7	17.32	15.2	102.2	19	118.7
OCTUBRE	15.2	22.8	18.9	13.5	25.0	80.3	17.81	15.6	104.4	18	121.4
NOVIEMBRE	15.8	23.1	19.2	13.5	25.2	83.8	19.01	16.7	146.2	19	114.5
DICIEMBRE	14.9	23.6	18.9	13.4	25.5	80.6	17.97	15.7	88.1	12	156.1
PROMEDIO	15.2	23.2	18.8	13.5	25.4	81.6	17.94	15.8			
TOTAL									1146.5	182	

ESTACION: JORGE VILLAMIL MUNICIPIO: GIGANTE AÑO: 1.985

ALTITUD: 1.500 LATITUD: 2-22 N. LONGITUD: 75-33 W.

M E S – ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.5	23.6	20.2	84.5	20.17	17.7	1.4	1.8	3.2	
2	16.5	18.8	17.1	93.9	18.53	16.3	2.3	0.0	2.3	0.0
3	16.4	20.8	18.2	92.6	19.45	17.1	1.0	0.4	1.4	0.3
4	16.3	23.5	19.0	87.2	19.37	17.0	0.8	2.1	2.9	3.0
5	15.5	20.2	17.6	92.2	18.50	16.3	0.0	0.0	0.0	0.3
6	16.2	21.4	18.3	90.0	19.13	16.8	12.7	0.0	12.7	0.5
7	15.5	22.5	18.0	89.0	18.55	16.3	2.4	0.0	2.4	1.3
8	15.3	22.4	18.1	91.4	19.15	16.8	0.0	0.0	0.0	
9	14.8	22.0	18.0	89.6	18.60	16.3	0.0	0.0	0.0	
10	15.0	22.4	19.2	86.1	19.05	16.7	0.0	6.0	6.0	0.6
11	15.4	25.1	19.8	73.5	16.95	14.9	0.0	0.0	0.0	5.5
12	14.4	25.5	20.3	71.3	16.72	14.6	0.0	2.2	2.2	7.6
13	16.4	24.4	20.2	83.0	19.74	17.3	1.0	0.0	1.0	3.4
14	16.8	22.2	19.3	85.6	19.22	16.8	2.2	0.0	2.2	1.0
15	16.0	25.8	20.1	75.5	17.76	15.6	0.0	0.0	0.0	5.0
16	16.4	24.5	20.4	79.3	18.83	16.5	0.0	0.0	0.0	5.0
17	17.0	25.9	20.4	77.3	18.32	16.1	0.0	0.0	0.0	3.7
18	16.5	26.3	21.1	75.8	18.68	16.4	0.0	0.1	0.1	4.2
19	16.4	26.0	21.1	73.6	18.16	16.0	0.0	0.0	0.0	4.0
20	17.2	26.5	20.9	74.2	18.13	15.9	0.0	0.0	0.0	2.7
21	16.4	26.3	20.4	74.5	17.73	15.6	11.5	0.0	11.5	2.0
22	17.0	24.9	20.2	80.0	18.95	16.6	0.2	0.0	0.2	3.0
23	17.0	25.8	20.1	76.9	18.36	16.1	0.0	0.0	0.0	2.1
24	15.9	26.9	20.8	72.3	17.29	15.2	0.0	0.0	0.0	4.4
25	16.2	25.2	20.9	74.9	18.28	16.1	0.0	0.0	0.0	4.7
26	16.9	28.0	22.5	72.0	19.43	17.0	0.0	0.9	0.9	7.5
27	17.2	26.8	21.0	79.7	19.63	17.2	0.0	14.0	14.0	6.1
28	17.0	20.7	19.0	91.5	20.01	17.5	8.4	0.0	8.4	0.9
29	16.4	22.0	19.2	86.3	19.60	17.2	12.7	1.9	14.6	0.9
30	16.8	24.0	19.7	81.7	18.87	16.6	0.3	0.0	0.3	2.4
31	17.4	24.2	20.3	82.5	19.56	17.2	0.3	0.0	0.3	5.2
PROM.	16.2	24.0	19.7	81.9	18.73	16.4	57.2	29.4	86.6	

M E S – FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.9	24.0	19.1	85.6	19.07	16.7	0.0	1.1	1.1	3.2
2	17.1	23.0	19.6	87.7	19.99	17.5	0.0	38.7	38.7	1.8
3	16.0	24.0	19.6	81.4	18.55	16.3	0.0	31.0	31.0	4.5
4	16.3	19.2	17.1	95.1	18.62	16.4	0.2	0.1	0.3	0.0
5	16.5	22.5	19.8	83.6	19.19	16.8	0.0	0.0	0.0	1.2
6	15.7	24.8	20.3	73.9	17.35	15.3	0.0	0.0	0.0	3.6
7	16.1	24.0	19.5	80.5	18.21	16.0	4.7	0.0	4.7	2.8
8	16.0	25.8	19.9	85.5	19.72	17.2	0.2	0.0	0.2	5.9
9	16.7	23.8	19.1	90.6	20.04	17.5	0.0	0.8	0.8	3.1
10	17.5	24.2	19.8	85.3	19.88	17.4	1.3	5.0	6.3	5.4
11	16.6	24.6	19.4	73.6	16.59	14.6	0.0	0.0	0.0	2.8
12	16.0	24.8	19.8	73.8	17.06	15.0	0.0	0.0	0.0	4.1
13	15.5	25.8	20.1	73.2	16.78	14.8	0.0	0.0	0.0	4.1
14	17.0	24.0	19.4	84.4	18.83	16.5	6.0	4.1	10.1	3.5
15	16.7	24.4	19.9	86.0	19.91	17.4	0.2	0.0	0.2	4.9
16	17.0	24.0	20.7	73.2	17.89	15.7	0.0	0.1	0.1	8.3
17	17.4	22.8	19.7	74.5	17.18	15.1	0.0	6.8	6.8	2.1
18	16.2	23.4	19.2	82.3	17.86	15.7	0.0	0.0	0.0	1.5
19	16.0	24.8	18.8	78.0	16.81	14.6	0.0	0.3	0.3	2.2
20	16.5	24.3	20.0	77.6	17.99	15.8	0.6	0.0	0.6	3.2
21	16.4	26.4	21.1	77.2	19.05	16.7	0.8	8.2	9.0	3.8
22	17.4	27.8	21.7	71.0	18.04	15.9	0.2	0.0	0.2	6.0
23	17.0	21.0	18.5	95.2	20.09	17.5	4.6	0.2	4.8	0.4
24	15.4	21.5	18.4	93.0	19.53	17.1	1.1	3.6	4.7	1.2
25	16.8	19.0	17.5	93.4	18.80	16.5	4.1	0.0	4.1	0.0
26	15.5	23.2	19.2	82.9	18.39	16.1	0.3	0.3	0.6	0.8
27	16.8	24.9	19.4	82.5	18.79	16.5	0.4	0.4	0.8	2.6
28	16.4	24.5	19.8	73.6	16.86	14.9	1.6	0.3	1.9	3.4
PROM	16.4	23.3	19.5	82.0	18.47	16.2	26.3	101.0	127.3	86.4

ESTACION: JORGE VILLAMIL MUNICIPIO: GIGANTE AÑO: 1.989

ALTITUD: 1.500 LATITUD: 2-22 N. LONGITUD: 75-33 W.

M E S – MARZO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.6	27.0	21.2	69.2	16.95	14.5	0.0	0.0	0.0	5.6
2	16.7	28.3	21.5	72.0	16.27	16.1	0.0	0.0	0.0	6.2
3	17.0	27.2	20.9	71.1	17.42	15.4	0.0	0.0	0.0	4.2
4	17.2	27.5	20.2	78.7	18.92	16.6	32.7	0.4	33.1	4.6
5	17.4	22.3	18.4	87.4	18.68	16.4	0.0	0.0	0.0	0.8
6	16.6	26.3	20.7	76.4	18.50	16.2	0.0	36.8	36.8	3.5
7	15.5	24.0	19.3	86.2	18.93	16.6	0.1	38.5	38.6	2.5
8	16.2	22.7	19.1	86.0	18.86	16.6	0.8	0.1	0.9	0.2
9	16.0	23.7	20.0	78.0	17.85	15.7	0.0	0.4	0.4	3.3
10	16.9	23.4	19.7	86.8	19.78	17.3	0.0	1.9	1.9	2.0
11	17.2	21.5	18.9	90.8	19.80	17.3	3.9	0.0	3.9	0.1
12	17.0	22.4	19.4	82.0	18.58	16.3	0.0	18.7	18.7	4.3
13	16.4	19.4	17.7	93.8	18.98	16.7	16.9	0.4	17.3	0.1
14	16.0	22.3	18.3	91.5	19.04	16.7	1.5	16.2	17.7	2.1
15	16.4	21.8	18.7	91.0	19.63	17.2	0.1	1.8	1.9	1.8
16	16.0	20.4	16.9	93.9	18.20	16.0	19.1	0.0	19.1	0.1
17	15.6	23.2	18.4	85.7	18.09	15.9	0.0	1.3	1.3	2.8
18	16.0	21.8	18.4	87.7	18.66	16.4	3.1	0.0	3.1	0.3
19	16.5	23.8	20.0	81.4	19.10	16.7	0.0	20.9	20.9	6.6
20	15.0	18.5	16.4	94.3	17.64	15.5	0.2	0.0	0.2	
21	15.4	22.5	18.3	86.6	18.07	15.9	0.0	1.5	1.5	4.9
22	15.5	22.0	18.3	88.0	18.40	16.2	0.0	0.0	0.0	5.7
23	14.5	23.2	17.9	88.1	18.06	15.9	0.0	0.0	0.0	5.9
24	15.6	23.0	19.0	82.5	18.49	16.2	0.0	0.0	0.0	0.5
25	14.4	24.0	19.1	82.2	18.25	16.1	0.0	6.1	6.1	7.8
26	16.4	24.6	20.1	83.0	19.39	17.0	2.6	3.1	5.7	0.7
27	16.4	22.5	19.4	86.6	19.56	17.2	0.0	1.3	1.3	4.8
28	15.5	22.4	18.8	84.8	18.59	16.3	0.0	4.8	4.8	4.5
29	16.0	22.3	18.5	87.4	18.66	16.4	0.0	0.0	0.0	4.4
30	14.8	25.0	19.2	79.3	17.55	15.4	0.0	0.0	0.0	6.5
31	16.6	23.0	18.6	86.0	18.35	16.1	2.2	0.0	2.2	3.4
PROM.	16.1	23.3	19.1	84.5	18.56	16.3	83.2	154.2	237.4	

M E S – ABRIL

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.4	21.5	18.3	84.0	17.94	15.7	2.3	0.0	2.3	3.0
2	16.3	22.0	18.0	90.0	18.55	16.3	0.0	0.0	0.0	
3	16.5	20.8	17.5	93.7	18.81	16.5	0.0	0.0	0.0	1.5
4	15.6	24.5	20.2	75.4	17.60	15.5	0.0	3.0	3.0	6.0
5	16.6	23.0	18.6	86.8	18.50	16.3	1.7	3.3	5.0	2.4
6	15.5	21.5	18.4	80.6	16.73	14.7	2.5	0.0	2.5	0.6
7	16.1	22.5	19.5	79.0	17.90	15.7	0.0	0.0	0.0	1.4
8	16.8	26.2	20.8	72.7	17.83	15.7	0.0	2.3	2.3	5.3
9	17.2	25.0	21.3	62.4	15.98	14.0	1.0	0.0	1.0	4.8
10	16.6	24.8	20.6	68.0	16.53	14.5	0.3	0.0	0.3	2.7
11	15.9	26.0	19.8	81.0	18.58	16.3	0.0	0.0	0.0	3.3
12	16.5	25.3	20.1	80.4	19.33	16.9	5.0	0.0	5.0	3.6
13	17.0	25.2	20.4	78.2	18.72	16.5	0.0	0.0	0.0	1.9
14	17.3	26.2	21.7	74.0	18.91	16.6	1.0	0.0	1.0	4.4
15	17.4	25.9	21.1	79.8	20.04	17.5	6.2	0.0	6.2	3.2
16	17.0	27.2	21.8	76.0	19.87	17.4	0.0	0.0	0.0	3.6
17	17.5	27.4	22.2	74.7	19.77	17.3	0.0	0.0	0.0	6.4
18	17.4	24.8	20.2	83.6	20.03	17.5	0.7	0.0	0.7	2.1
19	17.0	28.2	22.1	72.6	19.05	16.7	0.0	0.0	0.0	8.4
20	17.4	25.0	19.5	84.6	19.54	17.1	0.0	0.0	0.0	2.0
21	17.0	24.2	19.8	86.3	19.88	17.4	0.1	0.0	0.1	2.0
22	16.8	26.8	20.4	75.0	18.05	15.9	0.0	0.0	0.0	5.3
23	18.0	23.4	20.0	87.1	20.56	18.0	7.4	2.4	9.8	1.5
24	16.8	25.0	20.4	72.6	17.37	15.3	0.0	0.0	0.0	1.2
25	16.7	27.4	20.9	76.7	18.83	16.5	0.0	0.0	0.0	4.2
26	17.4	20.2	18.3	89.2	18.63	16.4	13.1	0.0	13.1	0.2
27	16.0	25.8	20.7	80.4	19.68	17.2	0.0	3.5	3.5	6.1
28	18.0	23.5	18.7	91.5	19.76	17.3	3.3	0.0	3.3	2.4
29	17.0	25.4	20.7	80.5	19.74	17.2	0.5	11.1	11.6	4.8
30	17.5	23.8	20.6	82.8	19.92	17.4	0.0	0.0	0.0	1.6
PROM	16.8	24.6	20.1	80.0	18.75	16.4	45.1	25.6	70.7	

ESTACION: JORGE VILLAMIL MUNICIPIO: GIGANTE AÑO: 1.989

ALTITUD: 1.500 LATITUD: 2-22 N. LONGITUD: 75-33 W.

M E S - MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	25.5	18.0	89.4	19.23	16.9	39.6	9.8	49.4	3.8
2	15.9	24.0	20.2	81.6	19.07	16.7	0.0	25.3	25.3	3.4
3	17.0	20.5	18.5	94.8	20.13	17.6	0.0	6.7	6.7	0.1
4	16.4	26.5	19.9	75.9	17.64	15.5	0.2	1.6	1.8	5.3
5	17.4	25.0	19.6	83.2	19.09	16.8	12.6	4.4	17.0	4.2
6	16.4	20.4	17.6	88.8	17.86	15.7	7.4	0.3	7.7	0.0
7	16.5	24.7	19.9	76.9	18.13	15.9	1.5	0.0	1.5	4.6
8	16.2	25.4	20.1	71.9	17.14	15.1	0.0	0.0	0.0	6.4
9	16.1	26.8	20.2	76.5	18.10	15.9	0.0	0.0	0.0	5.3
10	16.0	22.5	18.4	84.0	17.93	15.7	6.9	0.1	7.0	2.2
11	15.7	25.3	19.1	84.3	18.50	16.2	0.8	0.0	0.8	5.7
12	17.0	24.5	20.0	83.8	19.48	17.0	1.1	31.9	33.0	3.9
13	16.0	20.0	17.4	92.8	18.40	16.2	17.1	0.0	17.1	1.0
14	15.7	24.3	19.6	78.5	17.89	15.7	0.0	0.0	0.0	2.9
15	16.5	24.0	19.1	84.1	18.75	16.5	1.7	0.2	1.9	1.8
16	17.4	26.0	20.2	81.8	19.51	17.1	3.4	1.9	5.3	6.2
17	16.7	23.2	18.8	85.2	18.45	16.3	2.0	0.1	2.1	4.4
18	17.4	24.5	19.6	85.2	19.45	17.1	0.7	14.9	15.6	3.5
19	16.5	24.2	20.2	76.9	17.94	15.8	2.2	0.0	2.2	1.2
20	16.9	23.4	19.1	87.6	19.55	17.1	0.7	0.0	0.7	3.0
21	16.4	22.6	18.8	83.4	18.56	16.3	5.9	0.0	5.9	2.7
22	16.2	21.6	18.9	83.4	18.39	16.2	1.6	0.0	1.6	0.7
23	16.4	22.3	18.3	88.5	18.92	16.6	9.7	0.0	9.7	0.4
24	16.5	23.2	18.9	84.2	18.37	16.2	1.5	0.6	2.1	3.4
25	17.0	21.5	18.6	91.5	19.77	17.3	1.5	0.4	1.9	0.1
26	16.2	23.8	19.2	80.7	17.79	15.7	0.3	0.0	0.3	2.4
27	16.5	26.4	20.7	74.1	18.10	15.9	0.0	0.0	0.0	5.7
28	16.9	23.1	19.4	81.6	18.31	16.1	0.0	5.4	5.4	6.0
29	15.5	25.0	20.7	82.0	20.11	17.6	0.0	0.0	0.0	2.8
30	17.7	25.5	20.1	80.2	18.78	16.5	0.0	5.9	5.9	3.0
31	16.0	24.0	20.1	83.5	19.68	17.2	3.9	0.1	4.0	3.7
PROM.	16.5	23.9	19.3	83.1	18.68	16.4	122.3	109.6	231.9	99.8

M E S - JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.5	24.5	19.8	82.7	19.56	17.1	1.7	2.7	4.4	2.0
2	17.2	25.2	20.7	72.9	18.17	16.0	0.4	0.0	0.4	5.5
3	17.5	22.2	18.8	83.2	18.49	16.3	16.3	0.0	16.3	0.0
4	15.0	24.6	19.9	75.8	17.65	15.5	3.5	0.0	3.5	4.3
5	17.5	23.6	20.0	81.0	18.84	16.5	1.0	0.0	1.0	1.1
6	15.0	24.3	19.5	77.9	17.82	15.7	0.0	0.0	0.0	
7	16.7	23.5	19.4	87.7	20.03	17.5	0.0	0.0	0.0	4.5
8	16.1	24.5	19.5	84.7	19.31	17.0	0.0	2.7	2.7	5.6
9	17.4	23.7	19.1	84.3	18.83	16.5	8.3	0.5	8.8	3.8
10	17.5	25.0	20.2	80.0	18.95	16.6	2.0	0.2	2.2	3.3
11	17.4	23.4	19.7	86.3	20.05	17.5	0.0	0.0	0.0	2.3
12	16.5	24.0	18.5	87.1	18.85	16.6	15.6	4.2	19.8	
13	16.0	23.4	19.5	84.6	18.91	16.6	0.5	1.3	1.8	2.0
14	16.3	24.2	19.8	81.1	18.80	16.5	0.3	0.0	0.3	4.6
15	16.2	26.8	19.8	76.8	17.75	15.6	22.2	0.0	22.2	5.9
16	16.6	22.4	18.7	81.0	17.45	15.4	0.0	0.0	0.0	0.8
17	16.0	23.6	20.0	77.2	18.19	16.0	0.0	0.0	0.0	2.4
18	16.8	22.8	19.4	83.0	18.89	16.6	0.0	0.0	0.0	1.8
19	14.7	23.4	19.0	84.8	18.82	16.5	0.0	0.0	0.0	2.8
20	16.2	24.8	19.9	82.1	19.26	16.9	0.0	0.9	0.9	3.6
21	16.4	22.8	19.5	85.2	19.23	16.9	2.1	0.0	2.1	1.6
22	16.5	24.2	19.9	81.6	18.79	16.5	0.0	0.1	0.1	4.6
23	16.0	25.2	20.2	78.0	18.67	16.4	3.9	1.4	5.3	3.1
24	16.5	25.0	20.5	74.7	17.75	15.7	15.7	3.4	19.1	3.2
25	16.0	19.5	17.3	89.7	17.93	15.8	0.0	0.0	0.0	0.0
26	15.5	22.5	18.7	84.5	18.12	16.0	2.3	0.0	2.3	2.4
27	16.8	23.6	19.6	80.8	18.37	16.1	0.6	0.0	0.6	3.4
28	16.0	25.2	19.4	85.4	19.48	17.1	20.7	0.0	20.7	6.2
29	17.4	26.5	20.5	79.4	19.20	16.9	0.1	0.0	0.1	5.2
30	16.3	25.3	21.1	76.8	19.16	16.8	0.0	0.0	0.0	8.3
PROM	16.5	24.0	19.6	81.7	18.71	16.4	117.2	17.4	134.6	

ESTACION: JORGE VILLAMIL MUNICIPIO: GIGANTE AÑO: 1.989

ALTITUD: 1.500 LATITUD: 2-22 N. LONGITUD: 75-33 W.

M E S - JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.5	25.2	20.6	73.3	17.89	15.7	0.0	12.2	12.2	0.0
2	15.5	24.0	18.4	85.3	18.47	16.2	3.1	0.0	3.1	2.1
3	14.5	21.6	18.0	82.5	16.95	14.9	1.5	0.0	1.5	5.1
4	15.0	23.2	19.3	75.4	16.48	14.4	0.0	0.0	0.0	2.1
5	15.5	24.0	18.6	81.9	17.49	15.4	0.8	35.7	36.5	3.2
6	15.6	22.2	17.4	89.6	18.10	15.9	3.7	1.0	4.7	1.0
7	14.5	20.4	16.6	85.9	16.39	14.4	0.4	0.0	0.4	1.3
8	14.6	22.0	17.0	71.0	13.74	11.7	0.0	0.0	0.0	2.7
9	14.0	22.8	17.2	72.1	14.12	12.1	0.0	0.0	0.0	
10	16.0	23.2	18.4	78.0	16.60	14.6	0.0	0.0	0.0	2.2
11	15.2	24.8	18.7	73.8	16.02	14.0	0.0	0.0	0.0	6.0
12	15.5	23.6	18.5	76.5	16.39	14.4	0.0	0.9	0.9	4.5
13	15.6	21.8	16.9	93.9	18.21	16.0	14.4	0.0	14.4	2.4
14	15.0	23.6	18.7	83.5	18.16	16.0	1.8	0.0	1.8	3.3
15	15.1	23.8	19.0	80.9	17.85	15.7	4.2	0.0	4.2	3.6
16	14.2	21.4	16.9	81.7	15.86	13.8	0.0	0.0	0.0	0.7
17	14.4	23.7	19.3	66.0	14.73	12.6	0.0	0.0	0.0	5.0
18	15.4	25.2	19.8	69.7	16.07	14.0	0.0	0.0	0.0	3.7
19	16.7	23.8	19.8	79.4	18.27	16.0	0.0	0.0	0.0	1.5
20	16.0	23.5	19.7	80.3	18.42	16.2	0.0	2.3	2.3	
21	16.5	24.6	19.3	80.7	18.06	15.9	1.9	0.3	2.2	3.6
22	16.4	23.4	18.4	86.8	18.74	16.5	2.6	0.0	2.6	1.6
23	16.2	24.8	20.3	79.2	18.76	16.5	1.9	0.0	1.9	
24	16.6	24.4	20.1	88.3	20.65	18.0	0.2	1.2	1.4	2.1
25	17.2	25.6	19.6	85.8	19.78	17.3	0.4	9.8	10.2	3.6
26	17.0	22.4	18.8	92.6	20.37	17.8	25.4	0.0	25.4	0.9
27	16.5	26.0	20.5	74.8	17.78	15.6	0.0	0.0	0.0	6.0
28	15.8	26.2	21.0	77.1	18.98	16.7	0.3	0.0	0.3	7.8
29	16.0	27.3	21.2	75.8	18.53	16.3	0.1	0.0	0.1	7.1
30	15.6	26.5	21.6	76.8	19.51	17.1	0.0	0.0	0.0	6.9
31	16.9	26.7	21.2	81.4	20.30	17.8	1.6	0.0	1.6	6.9
PROM.	15.7	23.9	19.1	80.0	17.67	15.5	64.3	63.4	127.7	

M E S - AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.2	24.0	20.0	77.7	18.24	16.0	0.1	0.0	0.1	1.8
2	16.6	25.0	20.1	76.3	17.82	15.7	0.3	0.0	0.3	4.3
3	14.5	26.8	20.4	72.1	16.84	14.7	0.1	0.2	0.3	8.5
4	14.9	26.5	21.0	66.5	16.56	14.5	0.0	0.0	0.0	6.2
5	16.4	25.5	18.5	89.8	19.70	17.2	0.7	0.8	1.5	3.0
6	15.7	21.5	18.2	82.5	17.41	15.3	0.1	0.0	0.1	2.4
7	14.2	27.8	21.2	62.6	14.85	12.9	0.0	0.0	0.0	10.2
8	14.0	27.5	21.6	64.8	16.46	14.5	0.0	2.8	2.8	6.6
9	15.0	23.5	19.1	85.2	18.89	16.6	6.3	0.2	6.5	3.4
10	16.2	23.6	19.0	85.7	18.98	16.6	0.3	6.4	6.7	2.0
11	16.0	24.5	19.3	79.5	17.88	15.7	0.0	0.0	0.0	4.2
12	14.5	25.5	19.7	78.9	18.06	15.9	0.2	5.0	5.2	5.3
13	16.0	22.6	18.8	83.5	18.04	15.9	3.8	0.0	3.8	3.2
14	15.5	23.4	18.9	87.1	19.17	16.8	2.3	1.9	4.2	3.5
15	16.4	22.6	19.0	86.4	18.94	16.7	0.3	1.0	1.3	1.7
16	15.7	23.6	18.6	84.1	18.07	15.9	2.1	0.0	2.1	
17	16.5	24.2	20.0	77.4	18.33	16.1	0.4	0.0	0.4	
18	15.5	23.6	19.4	78.3	17.94	15.8	0.0	0.0	0.0	
19	14.5	24.4	19.4	78.7	18.03	15.8	6.1	0.0	6.1	
20	14.6	27.5	21.6	66.5	17.27	15.2	0.0	0.0	0.0	
21	16.6	27.2	21.8	71.5	18.50	16.3	0.0	0.0	0.0	
22	16.8	24.6	18.8	80.8	17.60	15.5	0.0	0.0	0.0	4.7
23	15.5	27.1	20.8	68.8	16.55	14.5	2.3	0.2	2.5	1.6
24	15.0	25.5	20.8	72.3	17.61	15.4	0.0	0.0	0.0	2.1
25	15.8	26.0	20.8	69.0	16.97	14.9	0.2	0.0	0.2	4.9
26	17.4	26.1	21.3	78.6	20.23	17.7	0.4	0.0	0.4	2.0
27	16.0	25.0	20.5	80.3	19.53	17.1	0.4	2.0	2.4	6.5
28	16.5	24.2	18.6	88.1	18.75	16.5	5.0	0.0	5.0	4.4
29	16.4	24.8	19.9	77.9	18.24	16.1	0.2	0.0	0.2	1.2
30	16.0	26.0	20.8	74.4	18.26	16.1	0.5	0.0	0.5	6.6
31	17.0	19.5	17.2	90.7	18.15	16.0	8.1	0.0	8.1	0.3
PROM	15.8	24.8	19.8	77.9	18.00	15.8	40.2	20.5	60.7	

ESTACION: JORGE VILLAMIL MUNICIPIO: GIGANTE AÑO: 1.989

ALTITUD: 1.500 LATITUD: 2-22 N. LONGITUD: 75-33 W.

M E S – SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.0	27.3	21.5	64.4	16.39	14.4	0.0	0.0	0.0	8.1
2	16.0	26.6	19.8	74.1	17.00	15.0	0.8	0.0	0.8	5.5
3	16.5	28.3	21.8	66.3	17.12	15.1	0.0	0.0	0.0	3.5
4	16.8	25.5	21.4	85.1	21.54	18.7	1.3	3.3	4.6	3.2
5	17.0	23.5	19.0	94.2	20.41	17.8	12.7	2.3	15.0	1.5
6	17.0	23.4	19.0	92.0	20.30	17.7	1.3	0.0	1.3	0.5
7	17.5	26.3	20.5	78.4	18.87	16.6	0.0	0.0	0.0	5.9
8	15.5	21.5	18.0	91.4	18.74	16.5	8.5	0.0	8.5	2.5
9	17.5	26.5	20.7	75.1	18.18	16.0	0.1	0.0	0.1	5.7
10	15.6	25.6	20.2	74.4	18.05	15.8	0.0	0.0	0.0	4.1
11	16.4	26.6	20.2	75.0	17.64	15.5	0.4	0.0	0.4	4.0
12	16.0	28.0	22.1	66.5	17.44	15.3	0.0	0.0	0.0	7.7
13	16.5	26.4	21.3	76.3	19.34	17.0	0.0	0.0	0.0	5.6
14	17.4	27.0	20.5	75.7	18.80	16.5	1.0	0.0	1.0	5.7
15	15.5	24.6	19.0	76.7	16.83	14.7	4.4	8.7	13.1	4.1
16	16.0	25.2	19.4	81.5	18.48	16.2	2.7	2.9	5.6	1.4
17	16.2	22.6	18.4	82.6	17.65	15.5	0.0	0.0	0.0	1.4
18	14.0	26.2	20.1	62.5	14.76	12.7	0.0	0.0	0.0	5.9
19	14.5	24.4	19.9	73.5	16.85	14.8	0.0	0.0	0.0	2.1
20	17.6	23.7	19.6	80.9	18.54	16.3	0.9	0.0	0.9	1.1
21	16.4	26.5	21.3	76.8	19.66	17.2	0.0	0.0	0.0	1.8
22	17.0	27.8	21.6	71.7	18.03	15.8	0.2	0.9	1.1	5.5
23	16.0	26.4	20.7	77.2	19.01	16.6	0.0	0.1	0.1	6.0
24	16.5	25.0	19.9	82.0	19.00	16.7	1.1	0.0	1.1	2.4
25	15.5	22.8	18.8	93.3	19.83	17.3	4.0	2.7	6.7	4.2
26	16.4	26.0	19.6	84.3	19.20	16.9	0.0	0.5	0.5	4.5
27	15.5	25.8	18.9	84.3	18.70	16.4	5.9	0.0	5.9	3.5
28	16.4	25.0	19.5	84.3	19.36	17.0	17.3	0.0	17.3	2.1
29	15.5	23.0	19.4	83.1	18.87	16.6	2.6	0.0	2.6	2.1
30	16.0	26.0	19.1	81.6	18.05	15.9	3.7	0.1	3.8	
PROM.	16.2	25.5	20.0	78.8	18.42	16.2	68.9	21.5	90.4	

M E S – OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.5	25.6	19.6	78.8	18.04	15.9	0.6	0.0	0.6	
2	16.6	26.3	20.3	76.7	18.44	16.2	1.4	0.0	1.4	2.8
3	15.5	26.6	20.7	72.5	17.76	15.6	0.0	6.0	6.0	6.9
4	16.0	24.9	19.2	81.3	18.22	16.0	1.1	3.8	4.9	2.0
5	16.2	22.5	18.7	83.1	17.83	15.7	0.7	0.0	0.7	1.8
6	16.4	26.2	20.8	72.8	17.90	15.7	0.6	0.0	0.6	6.5
7	17.0	25.2	21.0	72.1	18.05	15.9	0.8	1.0	1.8	3.5
8	16.0	26.0	21.4	73.9	19.01	16.7	0.6	0.0	0.6	4.5
9	16.4	27.2	21.1	76.3	19.34	17.0	0.3	0.1	0.4	3.9
10	16.0	25.8	20.1	86.4	20.58	18.0	5.4	4.2	9.6	3.2
11	17.5	20.0	17.7	95.5	19.37	17.0	14.1	0.9	15.0	0.4
12	16.0	24.8	19.4	83.7	19.19	16.8	4.0	0.0	4.0	3.7
13	16.5	21.8	18.6	92.8	20.05	17.5	13.8	0.1	13.9	2.3
14	16.9	23.6	19.0	88.7	19.96	17.4	12.5	0.0	12.5	1.4
15	16.2	25.8	19.4	78.8	17.89	15.8	8.7	0.0	8.7	2.3
16	17.0	25.0	19.5	75.6	17.15	15.1	0.2	0.3	0.5	2.5
17	16.5	24.5	19.6	86.5	20.08	17.5	1.9	0.0	1.9	3.1
18	15.5	25.0	19.9	77.2	18.00	15.8	0.0	11.6	11.6	4.4
19	15.8	23.0	18.1	90.5	18.99	16.7	3.3	0.0	3.3	2.2
20	16.5	25.5	20.1	77.6	18.49	16.3	2.7	0.0	2.7	1.8
21	16.0	24.8	20.9	78.5	19.44	17.1	0.0	0.0	0.0	3.9
22	16.2	26.0	20.1	81.2	19.16	16.8	1.0	0.0	1.0	4.0
23	15.6	26.2	20.5	77.1	18.53	16.3	0.0	1.6	1.6	3.8
24	17.0	24.5	19.3	86.0	19.49	17.1	4.0	0.0	4.0	2.2
25	16.5	23.2	19.9	85.9	20.25	17.7	1.7	0.0	1.7	1.4
26	17.0	23.0	19.2	91.5	20.69	18.0	11.6	0.0	11.6	1.7
27	17.5	24.8	20.4	85.7	20.78	18.1	0.6	6.7	7.3	5.2
28	17.0	24.6	19.7	85.7	19.71	17.3	0.2	0.0	0.2	
29	17.2	27.5	20.6	78.5	18.73	16.3	6.5	0.4	6.9	
30	17.4	26.5	21.4	79.3	19.76	17.3	0.0	0.0	0.0	4.2
31	17.8	25.6	21.3	80.0	20.39	17.8	0.0	1.5	1.5	2.7
PROM	16.5	24.9	19.9	81.6	19.07	16.7	98.3	38.2	136.5	

ESTACION: JORGE VILLAMIL MUNICIPIO: GIGANTE AÑO: 1.989

ALTITUD: 1.500 LATITUD: 2-22 N. LONGITUD: 75-33 W.

M E S – NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	26.7	21.0	76.2	18.88	16.6	0.0	0.0	0.0	2.4
2	16.0	24.5	20.0	85.2	20.07	17.5	0.6	2.0	2.6	2.5
3	17.0	21.8	19.0	90.7	20.06	17.5	3.6	5.7	9.3	0.5
4	16.7	23.8	19.5	85.2	19.63	17.2	0.0	0.5	0.5	2.1
5	17.4	22.9	19.4	89.1	20.09	17.6	0.0	1.8	1.8	2.2
6	17.0	25.4	21.0	84.1	20.68	18.0	0.0	0.1	0.1	4.4
7	16.7	24.5	20.4	88.8	21.46	18.6	0.0	0.0	0.0	3.2
8	17.0	24.4	20.5	86.8	20.86	18.2	0.0	0.0	0.0	5.9
9	17.5	23.6	19.5	85.2	19.77	17.3	0.0	0.0	0.0	3.3
10	17.0	24.9	20.5	82.0	19.82	17.3	0.0	0.5	0.5	5.4
11	16.4	24.2	20.1	82.8	19.67	17.2	0.2	10.7	10.9	5.0
12	16.6	25.0	20.3	86.1	20.71	18.1	1.1	0.8	1.9	0.6
13	16.5	22.0	19.3	86.0	19.06	16.7	0.0	0.0	0.0	3.2
14	15.4	23.6	19.2	82.5	18.76	16.4	5.9	0.0	5.9	5.1
15	15.5	26.5	20.8	74.8	18.40	16.2	0.0	1.4	1.4	5.6
16	16.6	26.6	20.5	82.5	20.11	17.6	1.9	4.5	6.8	2.0
17	16.5	24.5	19.0	86.1	18.85	16.6	0.0	0.0	0.0	
18	17.0	23.8	19.8	86.8	19.80	17.3	0.4	0.0	0.4	
19	16.8	24.0	19.9	80.0	18.46	16.3	0.0	0.0	0.0	3.0
20	17.0	28.5	22.1	68.4	17.85	15.7	0.0	12.3	12.3	3.2
21	18.5	25.6	21.0	83.5	21.15	18.4	3.3	0.1	3.4	0.8
22	17.8	24.5	20.7	80.6	19.77	17.3	0.2	0.0	0.2	1.5
23	18.0	20.5	18.7	89.7	19.82	17.3	9.2	0.0	9.2	4.7
24	16.0	25.5	19.7	74.9	17.39	15.3	0.0	0.0	0.0	6.5
25	16.8	27.2	20.7	72.0	18.19	16.0	0.0	0.0	0.0	5.8
26	15.5	27.3	21.1	72.2	18.29	16.1	0.0	0.0	0.0	1.6
27	16.5	27.5	21.7	78.5	20.24	17.7	0.2	0.0	0.2	6.4
28	17.5	25.3	20.5	80.6	19.98	17.5	1.2	0.0	1.2	4.0
29	17.0	28.2	21.9	70.8	18.71	16.4	0.0	0.1	0.1	
30	17.7	27.0	20.3	81.8	19.70	17.3	1.4	0.0	1.4	
PROM.	16.9	25.0	20.3	81.8	19.54	17.1	29.2	40.5	70.1	

M E S – DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.8	25.0	20.2	86.9	21.13	18.4	7.5	15.4	22.9	4.1
2	17.5	20.6	18.4	98.2	20.89	18.2	6.5	0.4	6.9	1.8
3	16.8	23.5	19.2	88.4	19.72	17.3	0.0	0.0	0.0	1.6
4	16.5	24.4	20.2	86.4	20.64	18.0	0.0	0.0	0.0	7.5
5	16.7	24.5	19.9	86.9	20.31	17.8	0.0	0.6	0.6	3.8
6	17.4	24.0	19.8	82.7	19.34	17.0	0.7	0.0	0.7	2.6
7	16.8	27.6	21.5	74.0	18.61	16.3	0.0	0.0	0.0	8.3
8	16.3	26.6	21.6	66.0	16.98	14.9	0.0	0.0	0.0	
9	17.2	26.5	21.1	80.0	19.97	17.5	0.1	0.0	0.1	1.7
10	18.0	23.1	20.2	90.3	21.56	18.7	18.9	0.1	19.0	0.3
11	16.8	23.8	19.6	93.5	21.24	18.5	4.2	0.3	4.5	1.5
12	17.5	23.4	19.6	89.1	20.43	17.8	1.9	0.1	2.0	3.0
13	16.8	23.2	19.3	91.7	20.75	18.1	5.1	0.0	5.1	0.7
14	17.0	23.6	20.1	88.8	21.05	18.3	0.0	0.0	0.0	0.5
15	16.0	25.0	19.7	83.4	19.36	17.0	0.0	0.0	0.0	1.7
16	15.5	26.6	20.5	76.3	18.69	16.4	0.0	0.0	0.0	6.7
17	16.5	26.2	20.9	81.7	20.27	17.7	0.0	0.0	0.0	3.0
18	16.0	25.5	21.2	78.2	19.54	17.1	0.0	0.0	0.0	6.6
19	16.2	26.6	21.1	67.1	16.34	14.3	0.0	0.0	0.0	9.1
20	16.5	27.5	21.2	72.2	17.80	15.6	0.0	0.0	0.0	5.9
21	15.0	25.8	20.6	78.0	18.55	16.3	0.0	0.0	0.0	4.2
22	16.0	27.1	21.7	71.8	18.42	16.2	0.0	0.0	0.0	9.0
23	15.5	27.4	21.3	66.7	16.77	14.7	0.0	0.0	0.0	5.6
24	15.0	26.3	20.6	75.3	18.20	15.9	0.0	35.5	35.5	9.4
25	17.0	22.3	19.1	90.6	20.13	17.6	3.4	8.9	12.3	6.7
26	15.8	23.7	19.6	86.1	19.59	17.2	0.0	0.0	0.0	
27	16.8	23.6	19.7	87.6	19.98	17.5	0.0	0.0	0.0	
28	17.0	23.8	19.6	81.0	18.32	16.1	0.0	0.0	0.0	4.0
29	17.1	23.6	20.2	85.0	19.99	17.5	0.0	0.0	0.0	8.5
30	16.6	23.2	19.9	83.2	19.18	16.9	0.0	0.0	0.0	
31	16.5	23.1	18.7	87.7	19.08	16.8	0.0	0.0	0.0	1.5
PROM	16.6	24.7	20.2	82.4	19.45	17.0	48.3	61.3	109.6	

ESTACION: JORGE VILLAMIL MUNICIPIO: GIGANTE AÑO: 1.989

ALTITUD: 1.500 LATITUD: 2-22 N. LONGITUD: 75-33 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	16.2	24.0	19.7	14.4	28.0	81.9	18.73	16.4	86.6	19	
FEBRERO	16.4	23.8	19.5	15.4	27.8	82.0	18.47	16.2	127.3	22	86.4
MARZO	16.1	23.3	19.1	14.4	28.3	84.9	18.56	16.3	237.4	22	
ABRIL	16.8	24.6	20.1	15.4	28.2	80.0	18.75	16.4	70.7	17	
MAYO	16.5	23.9	19.3	15.5	26.8	83.1	18.68	16.4	231.9	26	99.8
JUNIO	16.5	24.0	19.6	14.7	26.8	81.7	18.71	16.4	134.6	21	
JULIO	15.7	23.9	19.1	14.0	27.3	80.0	17.67	15.5	127.7	20	
AGOSTO	15.8	24.8	19.8	14.0	27.8	77.9	18.00	15.8	60.7	23	
SEPTIEMBRE	16.2	25.5	20.0	14.0	28.3	78.8	18.42	16.2	90.4	20	
OCTUBRE	16.5	24.9	19.9	15.5	27.5	81.6	19.07	16.7	136.5	29	
NOVIEMBRE	16.9	25.0	20.3	15.4	28.5	81.8	19.54	17.1	70.1	20	
DICIEMBRE	16.6	24.7	20.2	15.0	27.6	82.4	19.45	17.0	109.6	11	
PROMEDIO	16.4	24.4	19.7	14.8	27.7	81.3	18.67	16.4			
TOTAL									1483.5	250	

ESTACION: OSPINA PEREZ MUNICIPIO: CONSACA AÑO: 1.989

ALTITUD: 1.700 LATITUD: 1-16 N. LONGITUD: 77°29' W.

M E S – ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.0	23.0	18.2	90.1	19.11	16.7	1.5	4.9	6.4	2.4
2	15.5	21.4	18.3	90.7	19.02	16.7	5.2	14.1	19.3	0.4
3	15.2	23.8	18.4	89.2	18.76	16.5	2.7	21.6	24.3	0.4
4	15.5	20.5	17.7	93.2	18.87	16.6	1.4	4.2	5.6	0.6
5	15.6	20.7	17.5	90.3	18.12	16.0	15.7	0.1	15.8	1.4
6	15.0	21.5	17.9	90.7	18.68	16.4	3.1	12.3	15.4	1.8
7	15.4	22.5	18.4	86.5	18.34	16.1	0.7	9.0	9.7	0.7
8	15.5	24.5	19.2	82.6	18.18	16.0	0.0	6.7	6.7	2.8
9	14.0	24.0	18.4	79.8	16.73	14.6	0.0	3.9	3.9	6.5
10	15.5	23.0	17.9	88.1	18.21	16.0	8.9	0.9	9.8	4.1
11	15.6	25.8	18.6	87.9	18.77	16.5	0.0	0.0	0.0	3.7
12	13.0	21.5	17.3	79.2	15.41	13.3	0.0	0.0	0.0	2.5
13	15.0	21.0	17.8	90.1	18.44	16.1	1.8	0.0	1.8	0.3
14	15.5	24.5	19.0	85.5	18.66	16.4	1.2	3.5	4.7	5.2
15	15.4	25.0	19.2	86.3	19.31	16.9	0.4	0.0	0.4	5.6
16	15.0	24.0	19.2	83.5	18.22	16.0	0.0	0.0	0.0	4.6
17	14.5	25.5	18.5	83.6	17.65	15.5	0.0	0.0	0.0	2.3
18	15.0	24.4	19.6	81.9	18.37	16.1	0.0	0.0	0.0	2.3
19	15.5	26.3	19.1	82.7	17.94	15.8	0.0	0.0	0.0	4.2
20	14.5	27.0	19.3	82.5	18.25	16.1	0.0	0.0	0.0	7.3
21	14.4	25.0	18.6	83.6	17.55	15.4	0.0	0.0	0.0	3.3
22	15.5	28.5	20.6	77.7	18.25	16.0	0.0	0.0	0.0	5.3
23	14.2	28.0	19.7	80.8	18.19	15.9	0.0	0.0	0.0	7.0
24	15.8	25.0	19.7	78.9	17.95	15.8	0.0	3.5	3.5	6.3
25	14.5	23.0	18.3	83.6	17.36	15.2	0.6	0.0	0.6	1.0
26	14.0	26.8	19.7	75.7	16.90	14.7	0.3	0.0	0.3	7.5
27	16.0	26.6	19.7	79.4	18.06	15.9	0.0	33.7	33.7	8.6
28	15.8	21.0	17.6	86.2	17.32	15.2	8.6	0.0	8.6	0.5
29	14.5	24.0	19.0	80.6	17.39	15.2	0.0	10.0	10.0	4.9
30	15.0	23.4	18.8	86.2	18.64	16.4	0.0	4.6	4.6	2.8
31	16.2	19.4	17.2	94.6	18.88	16.6	3.8	3.2	7.0	0.1
PROM.	15.1	23.9	18.7	84.9	18.11	15.9	55.9	136.2	192.1	106.4

M E S – FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.0	23.2	18.4	84.8	17.71	15.6	0.0	1.3	1.3	4.7
2	15.6	22.5	17.2	92.8	18.08	15.9	1.6	23.7	25.3	0.7
3	15.0	23.0	17.7	90.1	18.33	16.1	1.1	7.4	8.5	3.1
4	14.8	23.8	18.4	83.5	17.51	15.4	0.9	0.3	1.2	5.0
5	14.6	24.2	18.5	83.9	17.75	15.6	0.1	0.0	0.1	4.1
6	14.5	24.5	19.2	79.8	17.36	15.3	0.0	0.0	0.0	6.0
7	14.0	24.0	18.9	80.0	17.17	15.1	0.0	1.8	1.8	2.0
8	15.4	25.4	18.9	87.4	18.73	16.5	0.0	10.7	10.7	4.2
9	16.0	18.4	16.7	95.7	18.22	16.0	9.2	1.6	10.8	0.0
10	14.8	22.0	18.4	87.2	18.26	16.0	1.7	0.0	1.7	1.6
11	15.0	24.8	18.4	86.7	18.11	15.9	0.0	0.0	0.0	4.2
12	13.0	26.0	18.8	70.7	15.07	12.8	0.0	0.0	0.0	6.9
13	14.0	22.0	17.9	84.8	17.17	15.1	0.0	0.0	0.0	0.6
14	15.5	23.4	19.0	82.6	17.85	15.7	0.4	0.0	0.4	3.4
15	14.4	25.8	19.5	82.7	18.36	16.1	0.0	12.4	12.4	
16	16.0	23.5	18.5	86.2	18.18	16.0	0.0	0.7	0.7	
17	15.5	23.0	18.6	85.6	18.08	15.9	0.5	0.9	1.4	1.6
18	16.0	25.4	19.3	83.1	18.37	16.2	0.0	0.0	0.0	3.1
19	15.5	24.5	18.8	82.5	17.78	15.6	0.0	0.0	0.0	2.5
20	13.5	26.4	17.9	81.5	16.75	14.6	0.0	0.6	0.6	5.1
21	15.0	23.2	18.5	85.2	18.10	15.9	0.4	0.0	0.4	2.9
22	14.5	25.3	19.8	80.0	18.16	16.0	0.5	2.3	2.8	6.1
23	15.0	23.4	17.9	88.5	18.32	16.1	3.7	7.7	11.4	3.2
24	16.0	23.5	19.3	83.8	18.62	16.4	0.5	2.2	2.7	2.6
25	16.5	23.0	18.8	87.1	18.99	16.7	0.5	0.0	0.5	0.8
26	15.0	25.5	19.4	82.6	18.51	16.3	0.0	2.8	2.8	6.8
27	14.5	25.8	19.1	81.2	17.61	15.5	0.1	0.0	0.1	5.5
28	16.0	26.5	20.4	79.6	18.51	16.2	0.0	0.0	0.0	4.4
PROM	15.0	24.0	18.7	84.3	17.92	15.7	21.2	76.4	97.6	

ESTACION: OSPINA PEREZ MUNICIPIO: CONSACA AÑO: 1.989

ALTITUD: 1.700 LATITUD: 1-16 N. LONGITUD: 77°29' W.

M E S - MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.5	28.6	21.4	66.6	17.22	15.0	0.0	0.0	0.0	6.6
2	14.8	29.0	20.9	66.7	16.15	14.0	0.0	0.0	0.0	9.2
3	15.0	27.3	19.7	80.1	16.05	15.8	4.8	1.6	6.4	6.9
4	16.5	24.0	19.5	86.1	15.40	17.0	0.2	0.0	0.2	1.4
5	16.0	24.5	18.4	83.3	17.89	15.8	8.5	0.0	8.5	0.7
6	15.5	25.7	19.6	81.8	18.32	16.1	0.0	0.0	0.0	2.9
7	15.4	22.2	18.1	87.5	18.25	16.1	0.0	0.0	0.0	2.8
8	15.0	25.5	19.2	78.4	17.31	15.2	0.0	3.0	3.0	4.1
9	16.0	24.0	18.9	81.6	17.62	15.5	8.8	0.0	8.8	2.4
10	15.5	26.4	20.1	79.3	18.29	16.1	0.0	0.0	0.0	7.5
11	16.5	22.0	18.4	86.8	18.48	16.2	1.9	2.0	3.9	0.1
12	15.8	23.0	18.3	89.5	19.00	16.7	11.2	16.6	27.8	2.8
13	15.2	23.5	18.4	86.3	18.23	16.0	0.3	7.3	7.6	2.9
14	15.5	21.5	17.7	92.2	18.72	16.4	4.0	3.1	7.1	1.4
15	15.3	23.2	18.1	83.1	17.21	15.2	1.6	0.2	1.8	3.6
16	15.5	21.5	16.4	95.7	18.00	15.8	2.7	0.0	2.7	1.0
17	14.0	25.4	18.5	81.8	17.40	15.3	0.0	0.7	0.7	7.8
18	14.4	25.5	18.9	83.0	17.88	15.7	0.0	0.0	0.0	5.8
19	15.4	26.5	19.5	77.4	17.30	15.2	0.0	0.0	0.0	9.3
20	15.0	26.2	19.3	76.8	16.77	14.7	0.0	1.2	1.2	8.0
21	14.5	26.5	19.6	71.7	15.82	13.8	0.0	0.0	0.0	9.7
22	14.4	26.0	19.9	74.4	16.76	14.7	0.0	0.0	0.0	7.8
23	14.5	25.9	19.4	76.0	16.72	14.6	0.0	4.1	4.1	6.6
24	15.0	24.0	19.2	79.1	17.16	15.1	0.5	0.0	0.5	1.7
25	13.5	26.8	19.7	71.7	15.56	13.5	0.0	0.0	0.0	9.9
26	12.0	27.3	19.3	69.7	14.48	12.2	0.0	0.0	0.0	10.0
27	14.0	26.5	19.1	79.1	17.08	14.9	1.3	2.8	4.1	6.3
28	14.1	23.6	18.0	79.7	16.08	14.1	0.0	0.0	0.0	3.8
29	13.5	24.2	18.8	72.8	15.47	13.5	0.0	0.0	0.0	5.4
30	14.0	26.8	19.4	70.8	15.28	13.2	0.0	0.0	0.0	9.9
31	13.5	24.4	17.5	80.3	16.19	14.1	0.0	0.0	0.0	1.0
PROM.	14.9	25.1	19.0	79.7	17.23	15.1	45.8	42.6	88.4	159.3

M E S - ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.0	25.4	19.3	80.5	17.82	15.6	0.0	26.8	26.8	6.7
2	15.0	26.3	19.2	85.1	18.66	16.4	0.0	76.9	76.9	3.4
3	14.5	24.0	18.1	84.5	17.47	15.3	5.1	1.9	7.0	2.0
4	14.0	22.4	18.2	86.0	17.79	15.6	0.0	2.7	2.7	3.8
5	15.4	24.8	18.9	85.8	18.58	16.3	1.2	0.0	1.2	3.3
6	15.0	25.0	19.2	71.5	16.11	14.0	0.5	0.0	0.5	0.8
7	14.5	25.1	18.6	78.7	18.37	14.3	0.0	0.0	0.0	4.6
8	16.0	26.5	19.9	75.6	16.87	14.6	0.0	0.0	0.0	4.4
9	14.0	27.0	20.0	78.5	17.88	15.7	0.0	0.0	0.0	4.3
10	15.1	28.0	20.7	73.8	17.74	15.5	0.0	0.0	0.0	7.3
11	15.0	26.5	19.8	78.5	17.76	15.6	0.0	0.0	0.0	4.1
12	15.3	25.5	19.1	83.7	18.25	16.0	9.9	0.0	9.9	1.1
13	15.0	24.0	19.1	84.1	18.36	16.1	0.7	0.0	0.7	1.4
14	15.5	23.0	18.5	87.8	18.61	16.3	1.0	1.8	2.8	3.1
15	16.5	25.5	19.5	85.0	19.16	16.8	5.5	8.1	13.6	3.3
16	15.0	23.0	19.0	88.1	19.27	16.9	0.0	0.0	0.0	3.3
17	15.5	27.5	20.3	79.6	18.43	16.2	0.0	0.0	0.0	8.9
18	16.0	25.5	19.4	87.6	19.85	17.4	0.0	0.4	0.4	2.1
19	15.5	23.5	18.9	84.6	18.26	16.1	0.2	0.0	0.2	2.0
20	16.0	26.6	20.3	78.7	18.33	16.1	1.2	0.0	1.2	2.4
21	17.0	25.5	20.3	87.3	20.78	18.0	2.2	0.0	2.2	5.3
22	15.3	25.0	19.8	84.4	19.22	16.8	0.7	0.0	0.7	6.0
23	16.2	24.5	19.5	86.2	19.59	17.2	0.3	0.0	0.3	2.5
24	15.6	23.2	18.7	86.0	18.54	16.3	15.8	0.0	15.8	2.4
25	13.5	28.2	19.9	78.2	17.58	15.3	0.0	0.0	0.0	7.9
26	14.0	23.7	18.7	80.6	17.06	14.9	0.4	1.2	1.6	2.1
27	16.0	26.5	20.3	80.7	19.17	16.8	0.0	0.3	0.3	6.0
28	16.5	26.6	20.0	81.6	18.83	16.6	0.3	3.7	4.0	7.0
29	15.0	24.5	19.7	82.0	18.51	16.3	0.0	20.6	20.6	7.0
30	16.0	25.0	19.6	86.5	19.66	17.2	1.8	0.0	1.8	3.0
PROM	15.3	25.3	19.4	82.4	18.35	16.1	46.8	144.4	191.2	121.5

ESTACION: OSPINA PEREZ MUNICIPIO: CONSACA AÑO: 1.985

ALTITUD: 1.700 LATITUD: 1-16 N. LONGITUD: 77°29' W.

M E S – MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.2	21.0	17.7	95.3	19.33	17.0	6.7	41.1	47.8	0.3
2	15.0	24.0	18.2	83.1	17.16	15.1	2.0	4.3	6.3	2.7
3	15.5	24.5	19.2	82.6	18.27	16.1	0.0	2.1	2.1	5.4
4	15.3	23.0	17.9	84.4	17.35	15.3	0.0	0.0	0.0	0.2
5	14.5	23.5	18.5	83.1	17.63	15.5	0.2	21.5	21.7	3.0
6	15.0	24.0	18.6	82.3	17.70	15.6	0.0	0.0	0.0	1.9
7	16.4	22.5	19.0	89.5	19.82	17.4	2.1	0.3	2.4	2.6
8	15.0	24.0	18.4	88.1	18.54	16.3	0.0	0.0	0.0	3.7
9	13.6	25.5	19.1	80.0	17.25	15.1	0.0	0.4	0.4	6.8
10	15.5	23.8	18.6	90.4	19.39	17.0	0.7	0.0	0.7	5.3
11	14.3	29.0	20.6	71.8	18.33	14.1	0.0	0.0	0.0	6.3
12	14.5	24.5	19.0	84.8	18.61	16.3	1.5	3.8	5.3	3.1
13	16.0	22.0	18.6	87.3	18.73	16.4	0.2	0.0	0.2	2.7
14	14.5	24.8	19.7	79.3	17.94	15.7	0.0	0.0	0.0	6.7
15	14.6	24.0	18.8	80.6	17.28	15.1	0.0	0.0	0.0	5.2
16	15.5	26.6	19.7	85.5	19.30	16.9	0.6	0.1	0.7	5.5
17	16.5	27.0	20.5	79.4	18.86	16.6	0.0	0.0	0.0	5.3
18	16.8	23.8	18.9	87.2	19.17	16.8	1.1	0.0	1.1	2.2
19	15.5	24.0	18.8	85.0	18.36	16.1	0.4	0.0	0.4	2.5
20	16.5	26.0	20.6	79.0	19.05	16.7	0.0	0.0	0.0	6.5
21	15.5	25.7	21.2	58.2	14.64	12.6	0.0	0.0	0.0	6.4
22	15.8	28.0	21.1	59.3	14.32	12.3	0.0	0.0	0.0	6.1
23	15.5	26.5	19.7	76.3	17.24	15.1	0.0	0.0	0.0	6.0
24	16.5	23.6	19.0	86.5	19.12	16.6	0.9	0.4	1.3	2.6
25	16.0	23.5	18.4	85.9	18.08	15.9	0.1	0.0	0.1	0.9
26	15.5	26.0	19.6	82.5	18.55	16.3	0.0	0.0	0.0	4.9
27	16.5	27.0	21.0	80.1	19.73	17.2	0.0	0.0	0.0	6.1
28	15.0	24.7	20.0	78.2	17.97	15.8	0.1	1.7	1.8	4.3
29	16.0	25.5	19.4	83.7	18.87	16.6	0.0	0.5	0.5	5.9
30	14.5	25.6	19.1	84.5	18.43	16.2	0.0	0.0	0.0	5.7
31	15.4	24.5	19.6	85.8	19.62	17.1	12.0	0.1	12.1	2.9
PROM.	15.4	24.8	19.3	81.9	18.15	15.9	28.6	76.3	104.9	129.7

M E S – JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.0	24.5	19.0	85.9	18.91	16.5	0.6	19.9	20.5	4.6
2	16.0	24.6	19.1	85.1	18.75	16.5	0.1	0.0	0.1	2.1
3	13.8	24.8	18.9	85.6	18.79	16.4	0.0	0.0	0.0	4.5
4	14.0	25.0	20.0	83.6	19.72	17.3	0.0	0.0	0.0	5.4
5	15.4	24.8	19.4	83.8	18.77	16.5	0.5	0.0	0.5	3.6
6	15.5	23.4	18.4	85.8	18.08	15.9	1.9	0.1	2.0	4.5
7	14.0	24.5	18.6	82.6	17.32	15.2	16.8	1.3	18.1	6.0
8	14.5	23.5	19.0	82.8	18.11	15.9	9.3	11.2	20.5	6.1
9	15.0	24.5	18.9	83.7	18.18	16.0	1.6	7.6	9.2	5.0
10	15.2	24.0	19.2	80.3	17.81	15.6	0.6	0.0	0.6	4.8
11	16.0	22.6	19.3	85.2	19.07	16.7	0.0	1.3	1.3	2.4
12	15.8	21.5	18.1	86.1	17.86	15.7	3.0	0.2	3.2	0.1
13	15.5	24.5	19.0	81.9	17.81	15.7	0.0	2.4	2.4	5.4
14	15.4	26.0	20.1	77.7	17.91	15.6	0.0	0.0	0.0	3.8
15	14.8	25.0	18.8	87.1	19.03	16.6	0.0	0.0	0.0	3.3
16	15.5	24.5	20.2	77.1	17.65	15.4	0.0	0.0	0.0	2.6
17	15.6	26.5	19.1	76.0	16.84	14.8	0.0	0.6	0.6	3.6
18	15.4	22.5	18.4	87.5	18.39	16.2	0.0	6.1	6.1	1.9
19	16.4	22.6	18.2	84.6	17.64	15.5	2.0	4.8	6.8	1.8
20	14.0	24.5	18.2	85.9	17.68	15.5	0.0	0.1	0.1	5.4
21	15.5	22.5	18.8	88.4	19.26	16.9	3.8	2.0	5.8	2.0
22	15.0	23.0	18.3	86.0	18.03	15.8	0.0	0.0	0.0	3.1
23	14.5	24.0	18.8	81.1	17.44	15.3	0.2	25.0	25.2	5.1
24	14.6	23.6	19.0	84.5	18.42	16.2	0.9	0.2	1.1	3.4
25	15.0	21.0	18.1	83.2	17.08	15.0	8.7	0.0	8.7	1.1
26	14.8	21.2	16.9	89.5	17.32	15.2	0.6	0.6	1.2	2.8
27	13.2	23.0	18.0	83.6	16.99	14.9	7.7	0.1	7.8	5.0
28	14.5	24.2	17.9	82.5	17.16	15.1	14.9	0.6	15.5	5.0
29	14.0	23.0	18.6	84.0	17.70	15.5	0.0	3.4	3.4	4.7
30	15.4	25.5	18.7	82.5	17.57	15.4	0.0	0.0	0.0	4.2
PROM	14.9	23.8	18.8	83.8	18.04	15.8	73.2	87.5	160.7	113.3

ESTACION: OSPINA PEREZ MUNICIPIO: CONSACA AÑO: 1.989

ALTITUD: 1.700 LATITUD: 1-16 N. LONGITUD: 77°29' W.

M E S - JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	23.4	18.8	87.3	16.78	16.5	0.1	2.5	2.6	2.4
2	14.5	23.5	19.3	66.7	14.32	12.0	0.0	0.0	0.0	1.9
3	14.0	26.9	19.8	58.3	13.56	11.4	0.0	0.0	0.0	7.8
4	13.5	23.5	18.6	75.2	16.19	13.9	0.0	0.0	0.0	4.3
5	15.0	21.5	18.0	90.0	16.55	16.3	0.4	0.0	0.4	1.5
6	15.0	24.0	19.3	67.9	14.45	12.1	0.0	0.0	0.0	1.3
7	13.5	25.2	19.7	66.9	14.61	12.5	0.0	0.0	0.0	8.4
8	13.0	24.0	20.3	53.3	12.39	10.1	0.0	0.0	0.0	2.6
9	14.4	26.4	20.5	53.2	12.35	10.1	0.0	0.0	0.0	7.2
10	14.6	28.0	22.0	46.8	12.06	9.7	0.0	0.0	0.0	7.6
11	17.0	27.8	22.4	42.4	11.37	8.8	0.0	0.0	0.0	6.8
12	16.0	28.5	22.8	42.6	11.95	9.6	0.0	0.0	0.0	7.7
13	16.0	26.5	21.0	70.1	16.98	14.9	0.0	0.0	0.0	6.9
14	15.0	28.0	21.6	54.6	13.01	10.9	0.0	0.0	0.0	7.4
15	15.5	28.5	23.2	49.0	13.59	11.8	0.0	0.0	0.0	8.9
16	16.4	25.5	22.6	43.5	11.75	9.3	0.0	0.0	0.0	8.8
17	16.8	28.2	21.9	39.2	10.31	7.4	0.0	0.0	0.0	9.0
18	15.0	27.0	20.4	67.3	15.82	13.7	0.0	0.0	0.0	4.1
19	15.1	22.8	18.6	79.7	17.03	14.9	0.0	0.0	0.0	0.8
20	15.0	23.8	18.6	78.6	16.84	14.8	0.0	0.0	0.0	3.8
21	15.5	24.4	18.4	85.5	16.20	16.0	0.0	0.0	0.0	2.9
22	15.0	22.5	18.4	84.6	17.92	15.7	1.3	0.0	1.3	1.8
23	14.8	24.4	18.4	81.2	16.98	14.9	0.0	6.4	6.4	2.8
24	15.0	27.0	21.1	78.7	16.87	16.4	0.0	0.0	0.0	8.4
25	15.5	27.5	20.4	76.8	17.79	15.6	0.0	4.0	4.0	7.8
26	15.4	23.5	18.5	87.4	19.00	16.6	5.1	10.7	15.8	3.1
27	14.0	25.2	18.5	85.3	18.01	15.8	0.0	0.0	0.0	5.9
28	12.5	26.0	18.7	75.7	16.17	13.9	0.0	0.0	0.0	6.2
29	12.8	25.6	19.2	76.3	16.96	14.8	0.0	0.0	0.0	7.7
30	14.8	26.8	20.6	77.7	18.14	15.8	1.1	0.0	1.1	6.6
31	16.2	27.4	20.6	80.7	19.23	16.9	0.0	1.5	1.5	7.8
PROM.	14.9	25.6	20.1	68.5	15.59	13.3	8.0	25.1	33.1	170.2

M E S - AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.0	24.0	19.2	84.2	18.51	16.2	0.0	0.0	0.0	3.7
2	15.4	28.0	21.2	59.1	14.08	11.9	0.0	0.0	0.0	4.9
3	12.5	28.5	20.6	54.1	11.55	8.7	0.0	0.0	0.0	8.4
4	14.5	28.6	21.7	47.2	12.26	9.4	2.7	0.0	2.7	8.3
5	14.8	26.4	21.1	55.7	13.68	11.4	0.0	0.0	0.0	5.6
6	17.0	26.0	20.8	48.6	11.82	9.4	0.0	0.0	0.0	2.3
7	13.4	28.0	20.3	61.1	14.34	11.9	0.0	0.0	0.0	9.4
8	13.8	29.0	19.9	71.4	15.64	13.4	0.0	0.0	0.0	7.5
9	14.0	25.5	19.7	80.6	18.13	15.9	0.3	15.1	15.4	5.7
10	16.0	28.0	21.3	77.5	18.83	16.4	0.0	1.0	1.0	7.3
11	15.0	26.0	20.0	70.7	15.80	13.8	0.0	0.0	0.0	3.2
12	14.8	26.8	20.1	65.3	15.12	12.9	0.0	0.0	0.0	6.8
13	15.1	24.4	19.5	81.8	18.07	15.7	0.1	3.4	3.5	6.2
14	15.0	23.8	19.5	82.0	18.16	15.9	0.0	0.0	0.0	0.9
15	15.2	26.5	19.7	76.5	17.12	15.0	0.0	0.0	0.0	7.1
16	15.3	27.0	19.8	77.3	17.37	15.2	0.0	0.0	0.0	6.0
17	14.5	28.6	22.1	56.2	13.43	11.2	0.0	0.0	0.0	7.9
18	14.5	28.2	21.8	62.6	15.05	12.8	0.0	0.0	0.0	9.8
19	14.6	25.0	19.1	79.0	17.36	15.3	0.0	0.0	0.0	4.0
20	14.0	27.5	19.9	75.6	17.31	15.2	0.0	0.0	0.0	6.2
21	13.8	28.0	20.1	70.4	15.91	13.7	0.0	1.7	1.7	6.0
22	16.0	26.4	20.1	76.7	17.84	15.7	0.0	0.0	0.0	6.9
23	16.0	24.5	19.4	73.2	16.46	14.4	0.2	0.0	0.2	2.3
24	15.4	27.0	20.0	70.2	16.39	14.3	0.0	0.0	0.0	8.2
25	13.0	27.5	20.7	61.2	14.41	12.0	0.0	3.2	3.2	7.1
26	13.8	24.2	18.8	77.5	16.42	14.3	0.0	0.0	0.0	4.3
27	15.5	28.3	20.2	79.1	18.29	16.1	0.0	0.0	0.0	6.4
28	15.8	25.2	19.4	79.8	17.50	15.3	0.7	0.3	1.0	3.4
29	15.0	22.2	18.2	81.4	16.91	14.5	0.1	8.4	8.5	0.7
30	15.1	23.8	18.1	87.2	17.92	15.8	0.3	0.0	0.3	2.2
31	13.8	23.2	18.2	81.8	16.90	14.8	1.6	0.0	1.6	2.9
PROM	14.8	26.3	20.0	71.1	16.08	13.8	6.0	33.1	39.1	171.6

ESTACION: OSPINA PEREZ **MUNICIPIO:** CONSACA **AÑO:** 1.989

ALTITUD: 1.700 **LATITUD:** 1-16 N. **LONGITUD:** 77°29' W.

M E S - SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	13.5	28.0	21.6	48.7	11.65	9.1	0.0	0.0	0.0	9.0
2	15.0	27.5	21.6	53.1	13.31	10.9	0.0	0.0	0.0	5.8
3	13.5	29.0	20.9	60.2	14.63	12.1	0.0	18.1	18.1	8.2
4	15.4	25.0	19.0	83.8	16.14	16.0	0.5	1.2	1.7	3.2
5	15.5	21.0	17.5	90.8	16.23	16.0	0.8	17.1	17.9	0.0
6	15.8	24.8	18.8	88.1	19.22	16.8	2.2	0.2	2.4	1.1
7	16.0	22.9	18.7	87.3	16.81	16.5	0.8	0.0	0.8	1.4
8	15.4	22.5	18.3	75.8	16.16	14.0	0.0	0.0	0.0	2.3
9	13.8	23.4	18.2	79.6	16.49	14.4	0.0	0.0	0.0	3.2
10	14.0	27.0	20.2	74.4	17.32	15.2	0.0	3.0	3.0	5.4
11	14.8	25.4	19.4	81.2	17.87	15.7	0.0	0.0	0.0	5.3
12	14.0	28.5	20.3	71.5	16.32	14.2	0.0	0.1	0.1	7.7
13	16.0	26.4	19.8	76.6	17.11	14.9	0.0	0.0	0.0	4.1
14	15.0	25.4	19.3	78.5	17.25	15.1	0.0	0.0	0.0	1.7
15	15.0	29.6	22.1	48.5	12.75	10.0	0.0	0.0	0.0	8.8
16	16.5	26.5	21.3	65.8	16.10	13.9	0.0	0.0	0.0	3.6
17	16.0	27.0	20.3	71.6	16.47	14.4	0.0	0.0	0.0	5.3
18	12.5	26.5	18.9	69.6	14.59	12.5	0.0	0.0	0.0	7.3
19	13.0	24.5	18.7	79.9	17.19	14.9	0.0	0.0	0.0	5.6
20	15.4	22.5	18.1	85.5	17.51	15.4	5.5	5.7	11.2	1.4
21	15.5	25.0	18.6	77.4	16.66	14.7	16.5	0.0	16.5	3.3
22	14.5	25.8	19.2	77.2	16.85	14.8	0.0	8.7	8.7	4.9
23	14.0	27.8	19.2	75.5	16.24	14.1	0.2	0.0	0.2	7.8
24	15.4	25.8	19.5	75.2	16.62	14.5	0.0	0.0	0.0	4.4
25	15.3	24.5	18.6	80.3	17.21	15.1	3.4	4.4	7.8	4.0
26	15.0	22.8	18.2	85.6	17.62	15.5	0.3	13.4	13.7	1.8
27	15.2	24.2	18.2	85.5	17.83	15.7	0.0	0.0	0.0	5.3
28	16.0	24.0	19.3	80.2	17.76	15.6	0.0	0.0	0.0	4.2
29	15.5	25.0	19.3	80.1	17.76	15.6	0.0	0.0	0.0	5.0
30	16.0	25.4	20.2	71.8	16.74	14.7	0.0	0.0	0.0	7.0
PROM.	15.0	25.5	19.4	75.3	16.61	14.4	30.2	71.9	102.1	138.1

M E S - OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.6	26.5	19.7	74.1	16.60	14.5	0.0	0.0	0.0	4.6
2	15.5	23.0	18.5	79.2	16.72	14.7	0.0	0.1	0.1	2.8
3	13.5	24.5	18.9	75.6	16.31	14.2	1.2	8.8	10.0	6.1
4	15.4	23.4	18.2	86.6	18.23	16.0	0.2	0.0	0.2	0.6
5	15.5	26.0	18.9	83.5	18.27	16.1	0.0	0.0	0.0	2.6
6	14.5	24.0	19.4	76.6	17.01	14.9	0.0	0.0	0.0	4.2
7	15.5	25.0	18.9	81.0	17.45	15.3	0.6	0.0	0.6	5.3
8	14.0	24.5	18.2	77.7	16.05	14.0	4.1	14.9	19.0	5.2
9	15.4	24.0	19.2	79.4	17.31	15.3	0.0	12.1	12.1	4.1
10	15.0	22.0	18.5	86.6	18.25	16.0	3.2	10.1	13.3	3.3
11	15.5	22.5	18.4	81.8	17.18	15.1	0.7	0.1	0.8	1.9
12	16.0	23.0	18.2	87.7	18.33	16.1	0.0	1.0	1.0	1.0
13	16.0	21.6	17.9	90.3	18.61	16.3	1.3	3.1	4.4	1.1
14	15.5	24.0	19.3	81.9	17.98	15.8	0.3	1.5	1.8	4.3
15	15.5	23.0	19.5	84.6	18.94	16.7	0.0	0.0	0.0	2.4
16	16.5	25.5	19.6	80.3	18.14	16.0	0.0	0.0	0.0	3.9
17	15.4	25.0	19.2	84.6	18.62	16.3	0.0	0.0	0.0	4.2
18	15.5	23.5	19.0	84.3	18.36	16.2	0.0	0.0	0.0	2.7
19	15.0	25.8	19.6	80.4	18.22	16.0	0.0	0.0	0.0	4.2
20	16.0	26.0	20.0	78.1	18.10	15.9	0.0	0.0	0.0	4.9
21	14.0	25.5	19.8	75.0	16.75	14.7	0.0	3.5	3.5	5.9
22	16.0	24.6	19.7	79.6	18.20	16.0	0.0	5.7	5.7	4.5
23	16.0	23.2	18.8	85.5	18.47	16.2	0.0	10.3	10.3	2.5
24	15.7	24.2	19.2	85.0	18.87	16.5	6.5	3.4	9.9	0.9
25	16.0	23.8	19.1	84.2	18.52	16.3	1.1	2.3	3.4	1.8
26	16.2	21.8	18.7	85.3	18.20	16.0	1.9	2.5	4.4	0.9
27	16.0	23.5	18.7	84.5	18.23	16.0	7.3	5.9	13.2	1.9
28	16.1	23.0	18.8	88.7	19.43	17.0	1.5	0.2	1.7	0.8
29	16.0	25.5	19.8	80.3	18.38	16.2	0.0	0.1	0.1	6.0
30	17.0	25.9	19.7	86.5	19.62	17.2	0.1	1.5	1.6	3.5
31	15.0	27.0	19.8	80.0	18.34	16.1	0.0	14.6	14.6	7.1
PROM	15.5	24.2	19.1	82.2	17.99	15.8	30.0	101.7	131.7	105.2

ESTACION: OSPINA PEREZ MUNICIPIO: CONSACA AÑO: 1.989

ALTITUD: 1.700 LATITUD: 1-16 N. LONGITUD: 77°29' W.

M E S — NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.4	24.5	19.4	82.1	18.24	16.1	0.0	0.7	0.7	3.7
2	15.5	24.0	19.3	78.9	17.36	15.3	0.0	5.8	5.8	5.1
3	16.5	25.0	19.5	81.7	18.37	16.2	0.0	1.6	1.6	3.2
4	16.0	23.5	19.1	84.4	18.65	16.4	0.0	1.7	1.7	0.5
5	16.5	25.9	19.5	84.9	19.48	17.1	2.3	0.8	3.1	5.7
6	16.4	22.5	18.3	89.3	19.07	16.7	9.6	0.9	10.5	0.8
7	15.4	23.0	18.5	84.4	17.91	15.7	0.0	0.0	0.0	3.4
8	15.0	23.5	18.7	80.2	17.12	15.1	0.0	1.3	1.3	3.1
9	15.3	26.5	19.7	79.8	18.12	15.9	0.0	2.2	2.2	8.5
10	15.5	26.0	19.2	78.4	17.17	15.1	0.0	8.8	8.8	7.5
11	15.0	24.9	19.3	80.8	17.78	15.6	0.0	6.3	6.3	5.4
12	15.5	23.0	18.6	86.3	18.20	16.0	0.0	0.7	0.7	1.8
13	16.0	24.0	19.0	82.6	18.10	15.9	0.0	0.1	0.1	4.2
14	16.5	25.0	19.1	82.4	18.20	16.0	0.0	0.0	0.0	3.1
15	14.5	24.6	19.1	79.4	17.22	15.1	0.0	0.0	0.0	4.7
16	14.8	27.0	19.8	76.4	17.21	15.1	0.0	0.8	0.8	8.4
17	17.0	23.2	19.3	84.8	19.07	16.7	0.0	0.2	0.2	1.5
18	16.0	29.4	20.2	81.2	19.02	16.7	0.0	0.0	0.0	5.6
19	16.4	26.4	20.7	81.5	19.68	17.2	0.0	0.0	0.0	6.4
20	16.5	27.4	20.7	75.4	17.72	15.4	0.0	6.3	6.3	7.6
21	17.0	25.0	19.7	87.2	20.12	17.6	1.5	0.8	2.3	2.7
22	17.0	24.5	19.2	86.1	19.32	17.0	10.1	0.1	10.2	2.2
23	16.0	23.0	19.1	86.1	18.94	16.7	0.0	0.0	0.0	2.5
24	16.0	22.6	19.0	82.3	18.08	15.9	2.2	0.0	2.2	1.4
25	14.5	25.0	19.6	77.4	17.33	15.2	0.0	0.0	0.0	3.9
26	13.4	27.0	19.8	73.7	16.39	14.3	0.0	0.0	0.0	6.8
27	14.0	27.5	20.0	70.4	16.14	13.9	0.0	0.0	0.0	8.8
28	17.0	24.8	19.5	84.5	19.24	16.9	1.4	0.1	1.5	4.6
29	14.0	26.4	19.8	73.6	16.39	14.3	0.0	0.8	0.8	4.3
30	15.6	25.1	19.5	81.0	17.90	15.7	1.5	5.7	7.2	2.0
PROM.	15.7	25.0	19.4	81.2	18.12	15.9	28.6	45.7	74.3	129.4

M E S — DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	23.4	18.9	85.1	18.43	16.2	0.0	12.6	12.6	2.0
2	15.5	22.4	17.7	86.8	17.62	15.5	6.1	0.8	6.9	0.4
3	16.0	25.9	19.1	80.7	17.73	15.6	0.0	32.8	32.8	4.9
4	16.1	23.5	18.7	84.4	18.21	16.0	0.4	0.0	0.4	3.2
5	13.5	25.0	18.4	75.6	15.58	13.5	0.0	0.0	0.0	9.1
6	13.0	26.9	19.5	65.9	14.50	12.2	0.0	0.0	0.0	9.2
7	14.0	25.5	19.3	80.4	17.88	15.7	0.0	0.0	0.0	7.8
8	15.0	26.5	19.7	75.7	17.07	15.0	0.0	0.0	0.0	7.6
9	14.5	23.5	18.6	82.8	17.80	15.6	0.0	9.4	9.4	2.3
10	16.5	24.4	19.6	83.3	18.79	16.5	0.0	3.9	3.9	4.9
11	16.0	23.8	18.4	87.9	18.79	16.5	5.7	1.3	7.0	2.0
12	16.1	25.5	19.4	81.0	18.17	16.0	1.5	3.0	4.5	5.3
13	16.0	24.4	19.3	83.5	18.60	16.4	3.9	0.4	4.3	2.7
14	16.5	22.4	18.2	90.9	19.29	16.9	7.5	0.0	7.5	0.0
15	15.5	25.5	19.4	80.0	17.83	15.7	0.4	0.0	0.4	6.2
16	13.6	25.8	19.2	74.1	16.08	14.0	0.0	0.0	0.0	8.3
17	14.0	25.5	19.2	79.5	17.84	15.6	0.0	0.0	0.0	8.7
18	16.5	25.4	19.4	82.9	18.67	16.4	4.2	0.0	4.2	
19	14.5	26.3	19.5	72.3	16.95	13.9	0.0	0.0	0.0	
20	13.0	25.9	19.0	75.4	15.74	13.7	0.0	0.0	0.0	
21	15.0	26.6	19.9	77.8	17.53	15.4	0.0	0.0	0.0	8.6
22	15.2	27.5	20.2	77.7	17.95	15.8	0.0	0.0	0.0	7.4
23	14.0	26.4	19.2	76.1	16.61	14.5	0.0	0.2	0.2	8.6
24	14.2	26.5	19.2	80.4	17.63	15.4	0.0	2.4	2.4	8.4
25	16.4	24.8	19.0	84.0	18.49	16.3	11.1	13.6	24.7	3.3
26	15.6	25.5	18.5	87.3	18.01	16.3	4.8	1.4	6.2	5.8
27	15.4	25.4	18.8	88.9	19.34	16.5	0.0	5.6	5.6	4.1
28	15.8	18.5	16.6	94.6	18.08	15.9	1.4	0.0	1.4	0.1
29	14.0	25.2	18.7	81.7	17.36	15.2	0.0	4.3	4.3	7.0
30	15.0	24.9	19.2	78.2	17.17	15.1	0.0	6.4	6.4	6.4
31	15.5	19.0	16.9	93.9	17.88	15.7	6.3	15.5	21.8	0.0
PROM	15.1	24.8	18.9	81.6	17.65	15.5	53.3	113.6	166.9	

ESTACION: OSPINA PEREZ MUNICIPIO: CENSACA AÑO: 1.989

ALTITUD: 1.700 LATITUD: 1-16 N. LONGITUD: 77°29' W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	15.1	23.9	18.7	13.0	28.5	84.5	18.11	15.9	192.1	21	106.4
FEBRERO	15.0	24.0	18.7	13.0	26.5	84.3	17.92	15.7	97.6	21	
MARZO	14.9	25.1	19.0	12.0	29.0	79.7	17.23	15.1	88.4	16	159.3
ABRIL	15.3	25.3	19.4	13.5	28.2	82.4	18.35	16.1	151.2	22	121.5
MAYO	15.4	24.8	19.3	13.6	29.0	81.5	18.15	15.9	104.9	17	129.7
JUNIO	14.9	23.8	18.8	13.2	26.5	83.8	18.04	15.8	160.7	23	113.3
JULIO	14.9	25.6	20.1	12.5	28.5	68.5	15.59	13.3	33.1	8	170.2
AGOSTO	14.8	26.3	20.0	12.5	29.0	71.1	16.08	13.8	39.1	11	171.6
SEPTIEMBRE	15.0	25.5	19.4	12.5	29.6	75.3	16.61	14.4	102.1	13	138.1
OCTUBRE	15.5	24.2	19.1	13.5	27.0	82.2	17.99	15.8	131.7	22	105.2
NOVIEMBRE	15.7	25.0	19.4	13.4	29.4	81.2	18.12	15.9	74.3	21	129.4
DICIEMBRE	15.1	24.8	18.9	13.0	27.5	81.6	17.65	15.5	166.9	21	
PROMEDIO	15.1	24.9	19.2	13.0	28.2	79.7	17.49	15.3			
TOTAL									1382.1	216	

ESTACION: FRANCISCO ROMERO MUNICIPIO: SALAZAR AÑO: 1.989

ALTITUD: 1.000 LATITUD: 7-46 N. LONGITUD: 72-48 W.

M E S - ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	23.0	18.3	94.4	19.92	17.4	1.7	0.5	2.2	0.6
2	17.0	25.0	20.5	85.4	20.44	17.8	4.5	0.0	4.5	1.6
3	16.0	27.2	21.6	83.8	21.13	18.3	0.0	1.5	1.5	7.0
4	16.5	25.4	20.6	87.2	21.09	18.3	0.2	1.5	1.7	4.9
5	17.6	23.4	19.8	89.6	20.79	18.1	0.5	2.1	2.6	0.5
6	17.5	23.5	19.9	91.6	21.19	18.4	0.1	0.0	0.1	1.7
7	17.8	23.0	20.2	88.0	20.76	18.1	0.0	0.0	0.0	1.7
8	15.0	25.8	19.7	83.3	18.76	16.4	0.0	12.8	12.8	6.5
9	15.1	24.4	19.5	84.1	18.80	16.5	0.0	0.0	0.0	6.6
10	14.2	25.2	19.9	81.0	18.42	16.1	0.0	11.8	11.8	6.4
11	15.0	24.2	19.7	85.5	19.53	17.1	0.0	0.0	0.0	3.4
12	16.8	25.4	19.8	82.9	19.14	16.8	11.9	1.6	13.5	1.1
13	16.7	27.0	21.6	79.2	20.08	17.5	0.0	0.0	0.0	4.5
14	17.4	24.0	20.1	89.4	21.01	18.3	1.7	0.0	1.7	0.3
15	17.0	25.3	20.6	82.7	19.88	17.3	0.0	0.0	0.0	4.1
16	16.7	25.0	20.0	87.8	20.40	17.8	0.0	0.5	0.5	2.0
17	16.9	24.8	20.8	87.2	21.42	18.6	0.0	0.0	0.0	1.9
18	17.4	23.5	19.6	91.5	21.11	18.3	0.0	0.0	0.0	0.5
19	16.0	25.7	20.8	81.4	19.85	17.4	0.0	0.0	0.0	2.3
20	16.1	26.7	21.7	81.2	20.63	17.9	0.0	0.0	0.0	3.9
21	16.8	27.0	21.5	80.6	20.36	17.8	0.0	0.0	0.0	4.6
22	18.4	25.6	20.6	84.5	20.65	18.0	1.3	0.0	1.3	2.1
23	16.0	27.9	20.9	76.8	18.73	16.5	0.0	0.0	0.0	7.8
24	15.7	28.0	21.4	78.4	19.43	16.9	0.0	0.0	0.0	7.2
25	15.5	23.6	18.9	86.4	18.97	16.6	0.0	0.0	0.0	2.0
26	18.0	22.0	19.1	91.6	20.37	17.8	2.8	9.7	12.5	0.0
27	16.9	21.5	18.7	90.6	19.58	17.2	1.6	2.7	4.3	0.5
28	16.0	23.5	19.0	86.8	18.94	16.6	0.2	0.0	0.2	0.9
29	16.8	22.2	19.0	88.5	19.55	17.2	0.5	0.5	1.0	1.2
30	15.7	23.0	19.1	82.5	17.96	15.8	0.0	0.0	0.0	1.4
31	15.8	26.2	20.9	79.9	19.22	16.8	0.0	1.1	1.1	2.7
PROM.	16.5	24.8	20.1	85.3	19.94	17.4	27.0	46.3	73.3	91.9

M E S - FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.4	24.0	19.8	86.1	19.85	17.4	0.0	32.3	32.3	1.8
2	16.8	20.4	18.5	89.5	18.99	16.7	0.1	0.0	0.1	0.0
3	16.1	20.3	18.0	90.7	18.80	16.5	0.0	0.1	0.1	0.3
4	16.5	21.3	18.5	91.6	19.64	17.2	0.8	8.3	9.1	0.1
5	15.8	21.5	17.8	89.0	18.20	16.0	0.0	0.0	0.0	0.2
6	16.0	24.9	19.6	84.4	19.08	16.7	0.0	0.0	0.0	1.5
7	16.7	25.0	20.7	86.0	21.06	18.3	0.0	5.6	5.6	1.9
8	17.6	23.2	19.8	87.7	20.26	17.7	0.0	0.0	0.0	0.2
9	17.0	24.4	20.1	82.8	19.56	17.2	0.4	0.0	0.4	1.5
10	15.7	25.2	19.8	81.4	18.48	16.2	0.0	0.0	0.0	4.0
11	16.0	22.5	18.6	86.8	18.55	16.3	0.5	0.0	0.5	1.8
12	16.9	24.6	20.0	85.1	19.96	17.5	1.0	28.5	29.9	1.6
13	17.4	24.5	19.9	86.5	20.25	17.7	0.0	0.0	0.0	2.3
14	17.0	21.2	18.5	91.6	19.74	17.3	0.0	0.0	0.0	0.1
15	13.5	23.6	17.6	87.0	17.39	15.3	0.0	0.0	0.0	5.3
16	13.8	22.0	18.3	84.7	17.63	15.5	0.0	0.0	0.0	1.8
17	14.8	26.0	19.5	80.4	17.92	15.7	0.0	0.0	0.0	5.4
18	13.5	27.6	21.5	76.2	18.85	16.4	0.0	0.0	0.0	5.3
19	16.2	27.8	21.1	79.3	19.61	17.1	0.2	0.0	0.2	3.3
20	18.2	25.0	20.5	88.6	21.48	18.6	0.2	0.1	0.3	0.8
21	17.8	27.3	20.4	82.4	19.94	17.5	0.0	0.0	0.0	3.4
22	16.4	27.0	21.3	81.4	20.35	17.7	0.0	0.0	0.0	4.3
23	17.5	25.7	20.8	85.4	21.03	18.3	0.0	0.0	0.0	0.6
24	16.5	24.5	20.4	88.2	21.18	18.4	0.0	42.2	42.2	2.7
25	16.9	24.4	20.8	86.9	21.38	18.6	0.0	0.0	0.0	1.7
26	16.2	27.4	21.1	82.4	20.43	17.8	0.3	5.3	5.6	3.6
27	15.8	26.6	20.6	80.0	19.23	16.9	0.0	0.0	0.0	3.7
28	16.0	28.4	21.6	78.3	20.03	17.5	0.0	0.0	0.0	4.7
PROM	16.3	24.3	19.8	85.0	19.60	17.1	3.5	122.8	126.3	63.9

ESTACION: FRANCISCO ROMERO MUNICIPIO: SALAZAR AÑO: 1.985

ALTITUD: 1.000 LATITUD: 7-46 N. LONGITUD: 72-48 W.

M E S – MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.5	29.6	22.6	77.6	20.50	17.8	0.0	0.0	0.0	6.5
2	16.0	27.5	22.2	81.4	21.26	18.4	0.0	0.0	0.0	3.7
3	18.5	26.5	22.2	83.1	22.12	19.1	0.0	0.0	0.0	0.7
4	17.2	26.2	21.1	80.2	19.92	17.4	0.0	0.0	0.0	2.7
5	17.8	26.0	21.4	84.4	21.51	18.7	0.0	14.1	14.1	0.4
6	17.0	25.2	19.6	87.5	20.03	17.5	0.5	0.0	0.5	2.5
7	18.4	24.6	20.2	87.7	21.02	18.3	13.8	1.2	15.0	1.7
8	18.2	26.5	21.3	81.9	20.82	18.1	0.0	0.0	0.0	1.1
9	16.8	26.7	21.5	83.6	21.12	18.3	9.4	15.7	25.1	2.7
10	16.7	25.5	20.5	87.4	20.99	18.2	0.4	2.8	3.2	1.1
11	18.2	20.2	19.2	95.4	21.30	18.5	23.5	2.7	26.2	0.0
12	17.8	21.2	19.5	93.9	21.37	18.5	2.9	9.7	12.6	0.0
13	17.3	20.0	18.4	95.9	20.28	17.7	11.0	0.2	11.2	0.0
14	17.8	22.8	19.7	89.9	20.72	18.1	1.0	0.0	1.0	0.8
15	18.2	26.2	21.3	86.2	21.82	18.9	0.8	4.1	4.9	0.5
16	16.8	24.0	19.8	85.9	19.94	17.4	2.5	0.0	2.5	0.7
17	17.4	24.3	19.9	88.4	20.91	18.2	1.2	1.0	2.2	0.7
18	17.3	21.8	18.8	87.0	19.01	16.7	1.1	0.0	1.1	0.0
19	16.4	24.6	20.0	85.4	20.02	17.5	1.0	15.5	16.5	1.1
20	16.6	22.0	19.2	91.3	20.57	18.0	2.0	0.4	2.4	0.2
21	16.9	23.0	19.7	85.3	19.46	17.0	0.2	8.0	8.2	0.1
22	16.8	24.6	19.9	85.0	19.90	17.4	0.2	0.0	0.2	2.1
23	15.2	26.0	20.8	81.3	19.82	17.3	0.0	15.5	15.5	
24	15.0	25.0	20.7	83.4	19.86	17.3	0.0	0.4	0.4	6.3
25	16.5	24.0	18.8	84.9	18.51	16.3	21.5	0.0	21.5	0.3
26	13.8	23.8	19.0	85.2	18.40	16.1	0.8	0.0	0.8	0.2
27	16.7	22.5	19.7	92.4	21.07	18.3	0.0	0.0	0.0	1.3
28	17.4	24.0	19.6	88.1	20.03	17.5	0.0	0.0	0.0	0.8
29	17.8	23.6	19.4	89.4	20.34	17.8	0.5	0.0	0.5	1.4
30	15.8	24.0	19.4	87.7	19.62	17.2	3.2	4.0	7.2	1.8
31	17.4	22.0	19.4	91.6	20.71	18.0	0.6	2.6	3.2	2.3
PROM.	17.0	24.3	20.2	86.7	20.42	17.8	98.1	97.9	196.0	

M E S – ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.4	21.8	18.4	92.8	19.69	17.2	0.0	1.6	1.6	0.0
2	17.6	21.0	18.7	93.8	20.26	17.7	0.0	0.0	0.0	0.0
3	16.0	24.2	20.2	85.1	20.00	17.5	0.0	4.0	4.0	1.2
4	16.5	22.2	19.3	90.0	20.14	17.6	0.3	0.7	1.0	0.0
5	17.2	25.2	20.5	85.1	20.92	18.2	0.0	0.0	0.0	0.5
6	16.4	25.5	21.5	80.7	20.35	17.7	0.0	1.9	1.9	3.7
7	16.5	27.4	21.6	79.6	20.21	17.6	6.6	0.7	7.3	4.5
8	14.8	26.6	21.7	78.8	20.32	17.6	0.0	0.0	0.0	4.2
9	15.4	27.2	21.5	76.3	19.38	17.0	0.0	0.0	0.0	4.2
10	16.6	28.4	22.6	79.2	20.92	18.1	0.0	0.0	0.0	2.3
11	17.8	29.2	23.4	76.2	21.51	18.6	0.0	0.0	0.0	3.9
12	17.0	28.4	23.6	78.4	22.36	19.2	0.0	0.0	0.0	4.0
13	17.8	27.8	22.4	79.2	21.42	18.6	0.0	0.0	0.0	4.9
14	17.9	26.4	21.9	81.2	21.34	18.5	0.0	0.0	0.0	1.0
15	17.0	28.0	22.6	79.6	21.78	18.8	0.0	0.0	0.0	2.5
16	18.2	28.2	22.8	79.7	21.98	19.0	0.0	0.0	0.0	3.4
17	18.0	29.6	24.1	74.4	21.73	18.7	0.0	0.0	0.0	5.7
18	16.0	29.8	23.4	76.4	21.47	18.6	0.0	0.0	0.0	5.3
19	16.4	29.0	23.7	75.2	21.16	18.2	0.0	0.3	0.3	4.2
20	17.0	28.6	23.0	74.3	20.27	17.7	0.0	0.0	0.0	0.4
21	18.7	28.7	22.6	80.8	22.29	19.2	21.0	0.0	21.0	
22	18.8	26.4	22.3	83.7	22.79	19.6	0.0	0.0	0.0	0.8
23	17.8	28.5	22.3	78.9	21.34	18.5	0.0	4.0	4.0	3.9
24	17.4	30.0	23.8	78.9	22.84	19.6	0.0	0.0	0.0	4.3
25	18.0	28.2	23.1	82.6	23.12	19.8	1.7	0.0	1.7	3.2
26	17.4	27.4	22.8	81.3	22.24	19.1	0.0	19.4	19.4	3.2
27	19.0	24.9	21.4	89.7	22.86	19.6	0.1	0.0	0.1	0.6
28	17.6	26.8	22.2	83.4	22.26	19.2	0.0	0.0	0.0	3.6
29	18.4	28.0	23.4	78.6	22.42	19.3	0.0	0.0	0.0	4.3
30	18.7	29.9	23.4	76.6	21.91	18.9	1.6	0.0	1.6	5.1
PROM	17.3	27.1	22.1	81.0	21.38	18.5	31.3	32.6	63.9	

ESTACION: FRANCISCO ROMERO MUNICIPIO: SALAZAR AÑO: 1.969

ALTITUD: 1.000 LATITUD: 7-46 N. LONGITUD: 72-48 W.

M E S – MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	19.0	27.2	22.5	84.7	22.88	19.6	0.1	1.5	1.6	1.9
2	18.2	27.4	22.2	83.5	22.37	19.3	2.6	59.9	62.5	3.5
3	17.5	26.6	21.5	83.1	21.16	18.4	0.0	14.5	14.5	2.0
4	18.6	23.0	21.6	87.1	22.27	19.2	0.8	6.7	7.5	0.8
5	19.5	25.2	21.8	86.3	22.79	19.6	0.1	0.0	0.1	1.9
6	18.0	25.0	21.3	86.6	21.96	19.0	2.5	0.0	2.5	0.7
7	17.0	26.2	21.1	91.2	23.20	19.9	6.7	17.2	23.9	3.2
8	18.6	26.0	21.1	86.7	21.80	18.9	19.2	0.0	19.2	2.7
9	18.0	27.5	21.1	83.6	20.69	18.0	12.3	24.3	36.6	0.5
10	18.2	25.5	19.9	89.4	21.25	18.5	16.5	0.8	17.3	3.0
11	15.8	28.0	21.5	82.7	20.92	18.2	0.0	6.0	6.0	8.2
12	17.0	28.2	21.7	83.3	21.78	18.9	0.0	0.0	0.0	7.0
13	16.9	27.8	21.8	79.4	20.67	18.0	0.0	1.1	1.1	3.0
14	17.2	26.4	21.7	82.4	21.09	18.3	0.2	0.0	0.2	3.0
15	17.0	27.0	21.5	82.3	20.87	18.2	0.9	0.0	0.9	2.8
16	16.0	30.8	23.1	66.9	18.19	16.0	0.0	0.0	0.0	9.6
17	15.9	28.0	21.7	77.6	20.11	17.6	0.0	5.8	5.8	6.1
18	18.0	26.0	20.4	79.9	19.13	16.8	0.0	0.0	0.0	0.9
19	16.4	29.4	22.2	69.7	18.49	16.3	0.0	0.0	0.0	7.8
20	16.8	30.2	22.2	77.4	20.61	18.0	0.0	0.0	0.0	7.8
21	18.0	27.2	21.6	81.9	21.33	18.5	0.0	0.0	0.0	2.6
22	17.4	27.4	21.9	79.2	21.03	18.3	0.1	0.3	0.4	3.7
23	18.0	29.0	22.9	71.8	19.91	17.4	0.0	0.0	0.0	4.2
24	17.5	26.0	21.2	76.2	19.23	16.9	0.0	0.0	0.0	0.7
25	16.8	28.4	22.6	76.7	20.93	18.1	0.0	102.3	102.3	4.0
26	18.2	27.0	19.9	93.3	22.44	19.3	20.8	0.0	20.8	2.0
27	16.8	28.5	22.2	76.8	20.18	17.6	0.0	4.3	4.3	5.3
28	18.6	27.0	22.2	85.1	22.88	19.7	0.0	0.0	0.0	1.0
29	19.0	28.4	22.8	79.3	21.88	18.9	0.1	18.6	18.7	3.4
30	18.0	29.4	23.1	80.1	21.92	18.8	0.0	0.0	0.0	5.9
31	19.5	28.5	22.0	82.4	22.05	19.1	0.0	0.0	0.0	5.5
PROM.	17.7	27.4	21.8	81.5	21.16	18.4	82.9	263.3	346.2	114.7

M E S – JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	27.5	21.3	83.8	21.66	18.8	1.2	6.0	7.2	2.4
2	17.5	29.5	23.3	79.2	22.29	19.2	0.0	0.9	0.9	5.9
3	19.0	28.0	22.1	83.7	22.61	19.5	0.5	0.0	0.5	4.1
4	17.0	28.5	22.3	80.5	21.45	18.6	0.6	0.0	0.6	4.8
5	19.0	24.5	21.5	85.0	21.71	18.8	0.0	0.0	0.0	0.7
6	17.0	24.8	21.5	78.7	20.22	17.7	0.0	0.0	0.0	0.8
7	17.8	28.0	21.7	79.5	20.60	17.9	0.0	0.0	0.0	3.1
8	18.0	25.8	21.2	85.6	21.59	18.7	0.0	0.0	0.0	2.4
9	17.8	28.0	22.2	73.0	19.91	17.4	0.0	0.0	0.0	2.6
10	16.0	26.6	22.4	84.6	22.93	19.6	0.0	0.6	0.6	3.1
11	17.5	26.2	21.2	83.8	21.19	18.4	0.0	0.0	0.0	0.0
12	17.8	28.8	22.5	74.3	20.10	17.5	0.0	0.0	0.0	6.0
13	18.0	28.9	21.8	76.5	20.33	17.8	10.5	0.0	10.5	2.5
14	17.0	29.0	21.9	78.0	20.62	18.0	0.0	0.0	0.0	7.0
15	18.0	30.0	22.7	71.2	19.62	17.2	0.0	0.0	0.0	8.3
16	14.0	30.2	21.6	72.5	18.28	16.0	0.0	0.0	0.0	6.2
17	14.8	29.4	22.4	71.9	18.79	16.4	0.0	0.0	0.0	7.4
18	17.0	29.0	22.6	75.2	20.46	17.8	0.0	0.0	0.0	4.3
19	18.0	28.2	21.8	76.7	20.13	17.6	5.5	0.0	5.5	1.0
20	17.0	30.2	23.0	74.2	20.11	17.5	0.0	0.0	0.0	7.0
21	18.0	30.0	23.0	72.1	20.23	17.7	0.0	0.0	0.0	6.6
22	17.0	29.2	23.3	74.4	20.69	18.0	0.0	1.1	1.1	5.4
23	18.8	26.4	20.5	82.1	20.30	17.7	6.9	0.0	6.9	2.4
24	15.8	29.0	22.3	72.8	19.60	17.2	0.0	0.0	0.0	3.8
25	17.0	24.2	20.6	85.5	21.01	18.3	0.0	0.0	0.0	1.1
26	16.0	29.0	22.8	75.6	20.47	17.8	0.0	0.0	0.0	7.0
27	15.2	30.2	22.6	66.5	17.50	15.1	0.0	0.0	0.0	9.9
28	16.5	28.0	23.0	78.4	21.50	18.6	0.0	0.0	0.0	5.5
29	15.4	29.8	23.3	72.9	20.29	17.7	0.0	2.5	2.5	2.9
30	16.5	28.2	21.5	75.4	19.04	16.7	0.2	0.2	0.4	1.8
PROM	17.0	28.2	22.1	77.5	20.51	17.8	25.4	11.3	36.7	126.0

ESTACION: FRANCISCO ROMERO MUNICIPIO: SALAZAR AÑO: 1.989

ALTITUD: 1.000 LATITUD: 7-46 N. LONGITUD: 72-48 W.

M E S – JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.6	28.0	21.6	74.4	18.94	16.6	0.0	3.4	3.4	2.6
2	17.4	29.0	21.8	76.1	19.52	17.1	0.0	0.0	0.0	4.8
3	16.8	29.3	21.4	75.4	18.91	16.6	0.5	0.0	0.5	4.2
4	16.0	28.9	21.4	75.9	19.09	16.7	0.0	0.0	0.0	6.0
5	16.9	25.6	19.7	88.9	20.61	18.0	2.4	0.0	2.4	1.7
6	16.0	27.2	20.9	79.1	19.49	17.1	0.0	0.2	0.2	2.5
7	16.5	29.2	22.0	72.1	19.25	16.9	0.0	0.0	0.0	8.0
8	16.0	29.0	21.8	72.9	18.97	16.7	0.0	0.0	0.0	7.4
9	16.2	28.2	21.1	79.4	19.68	17.2	0.0	0.0	0.0	7.7
10	16.6	28.0	21.4	75.4	19.17	16.8	0.0	0.0	0.0	7.8
11	15.8	29.2	21.6	73.1	18.19	16.0	0.0	0.0	0.0	8.8
12	16.2	27.8	21.6	75.9	19.79	17.4	0.0	0.0	0.0	6.5
13	16.7	27.4	21.7	80.3	20.89	18.2	0.0	0.0	0.0	4.6
14	17.8	29.8	22.4	73.9	20.22	17.7	0.0	0.0	0.0	7.0
15	17.8	29.0	21.9	75.0	19.87	17.4	0.2	0.0	0.2	5.3
16	16.0	28.2	21.8	74.1	19.33	17.0	0.0	3.1	3.1	5.6
17	17.2	29.4	23.4	71.5	19.91	17.4	0.0	0.0	0.0	7.3
18	17.8	30.0	23.7	72.1	20.75	18.1	0.0	0.0	0.0	5.9
19	17.5	27.5	20.6	81.5	20.22	17.7	27.6	0.1	27.7	0.0
20	17.0	26.0	20.3	92.4	22.10	19.1	2.0	0.0	2.0	0.4
21	16.9	28.8	22.8	74.8	20.40	17.7	0.0	0.0	0.0	5.7
22	18.2	26.8	21.2	81.1	20.46	17.9	0.1	0.0	0.1	5.8
23	17.0	29.4	23.1	77.9	21.63	18.6	0.0	17.7	17.7	1.0
24	18.5	25.4	21.0	87.6	22.18	19.2	8.0	0.0	8.0	2.4
25	18.4	24.3	20.5	93.1	22.58	19.4	2.4	0.4	2.8	0.5
26	17.0	27.9	21.0	79.7	19.55	17.1	12.6	0.0	12.6	6.4
27	15.8	30.1	22.8	72.9	19.45	17.0	0.0	0.0	0.0	8.6
28	17.4	27.4	21.5	80.3	20.32	17.8	0.0	0.0	0.0	2.1
29	16.8	27.3	21.7	78.3	19.94	17.4	0.0	0.0	0.0	2.8
30	16.6	27.1	22.3	77.6	20.31	17.7	0.0	13.9	13.9	5.6
31	16.5	29.5	22.7	76.6	20.52	17.8	0.0	0.0	0.0	7.4
PROM.	16.9	28.1	21.7	78.0	20.07	17.5	55.8	38.8	94.6	152.4

M E S – AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.4	29.8	22.6	74.7	20.20	17.7	0.0	0.0	0.0	
2	16.0	28.8	21.0	78.8	19.36	16.9	3.3	0.0	3.3	4.1
3	15.5	31.0	23.2	70.4	19.12	16.7	0.0	1.7	1.7	9.8
4	16.5	28.8	22.4	76.3	19.89	17.4	0.0	0.0	0.0	5.8
5	17.0	30.0	23.5	73.2	20.70	18.0	0.0	0.0	0.0	8.8
6	18.0	28.6	21.7	79.4	20.72	18.0	0.0	0.0	0.0	4.0
7	17.8	29.2	23.0	76.9	20.84	18.1	0.0	0.0	0.0	4.4
8	17.5	30.2	23.1	76.3	21.25	18.5	0.0	0.0	0.0	7.2
9	18.8	29.3	22.2	78.5	20.64	17.9	1.2	0.0	1.2	6.2
10	16.7	30.2	23.1	69.4	19.02	16.6	0.0	0.0	0.0	7.9
11	16.5	29.4	22.6	72.1	19.55	17.1	0.0	0.0	0.0	2.3
12	17.8	30.4	22.3	78.7	20.89	18.1	0.4	0.0	0.4	0.4
13	16.8	30.0	22.5	72.8	19.58	17.1	0.0	0.0	0.0	6.5
14	16.7	28.2	22.7	75.6	20.44	17.8	0.0	0.0	0.0	4.4
15	17.0	30.0	22.3	73.2	19.41	17.0	0.0	0.0	0.0	1.3
16	15.8	30.1	21.9	74.8	19.52	17.1	10.5	0.8	11.3	5.7
17	17.8	30.0	22.2	74.9	19.79	17.3	0.0	0.0	0.0	8.4
18	16.8	30.0	23.0	77.7	21.21	18.4	0.0	0.0	0.0	4.8
19	16.9	32.0	24.5	70.5	20.66	18.0	0.0	0.0	0.0	8.3
20	17.0	30.8	22.5	76.9	20.59	17.9	5.8	0.1	5.9	5.9
21	18.2	29.2	23.2	74.4	20.62	17.9	0.0	0.0	0.0	4.9
22	17.8	31.4	24.4	70.2	20.92	18.2	0.0	10.3	10.3	8.3
23	16.6	30.8	23.4	75.6	21.36	18.5	0.0	0.0	0.0	6.5
24	17.8	30.4	23.1	78.0	21.55	18.6	0.1	2.5	2.6	6.7
25	16.8	30.0	23.5	73.0	20.41	17.8	0.0	0.0	0.0	4.1
26	17.0	30.2	23.0	74.5	20.43	17.8	0.0	0.0	0.0	4.9
27	16.8	30.5	23.0	77.1	21.11	18.2	0.4	69.0	69.4	6.1
28	18.2	30.0	23.8	75.1	21.70	18.7	0.0	0.1	0.1	5.3
29	18.8	28.8	22.5	80.7	21.80	18.8	0.0	0.0	0.0	2.5
30	17.2	27.2	20.6	89.1	21.90	18.9	12.0	11.6	23.6	4.2
31	17.0	29.2	21.9	81.4	21.09	18.3	33.8	2.0	35.8	7.1
PROM	17.2	29.8	22.7	75.8	20.52	17.8	67.5	98.1	165.6	

ESTACION: FRANCISCO ROMERO MUNICIPIO: SALAZAR AÑO: 1.989

ALTITUD: 1.000 LATITUD: 7-46 N. LONGITUD: 72-48 W.

M E S – SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.5	29.0	22.0	79.0	20.80	18.1	14.6	14.3	28.9	5.1
2	16.7	30.2	23.2	79.1	22.02	19.0	0.0	14.5	14.5	6.9
3	18.0	29.2	22.9	82.3	22.97	19.7	1.1	30.8	31.9	4.8
4	19.0	27.9	23.3	82.5	23.19	19.8	0.0	1.4	1.4	4.6
5	19.4	25.2	21.8	88.4	22.99	19.7	0.5	14.5	15.0	2.7
6	18.0	28.2	22.2	85.8	22.74	19.5	0.0	0.0	0.0	2.0
7	18.2	29.8	23.0	79.4	22.00	19.0	0.6	0.2	0.8	5.8
8	17.8	28.6	23.4	78.8	22.63	19.4	0.0	0.0	0.0	4.5
9	18.0	30.8	23.1	73.2	20.38	17.8	0.1	27.6	27.7	7.1
10	17.2	28.0	21.4	80.1	20.93	18.2	0.0	0.0	0.0	2.6
11	17.0	29.2	22.5	76.9	20.93	18.2	0.1	0.0	0.1	5.6
12	18.0	28.2	21.0	83.2	20.80	18.1	50.0	51.0	101.0	5.0
13	17.0	29.5	22.9	77.9	21.39	18.5	0.0	4.6	4.6	6.9
14	17.8	28.8	21.6	80.4	20.65	18.0	0.0	0.0	0.0	4.6
15	18.0	29.8	22.0	77.8	20.50	17.9	0.0	0.0	0.0	6.2
16	16.8	26.8	21.7	76.7	19.89	17.4	0.0	0.0	0.0	3.2
17	17.2	30.2	22.7	76.5	20.47	17.8	0.0	0.0	0.0	9.2
18	18.0	29.5	23.3	74.8	20.78	18.1	0.1	1.2	1.3	4.3
19	17.8	30.0	22.9	80.9	21.92	18.9	0.4	88.2	88.6	5.3
20	18.8	28.5	21.8	81.1	21.10	18.4	18.0	7.5	25.5	3.8
21	17.0	27.4	21.6	85.1	21.83	18.9	0.9	4.0	4.9	4.0
22	18.2	28.4	21.7	83.9	22.14	19.1	0.3	0.1	0.4	3.0
23	17.5	29.2	21.8	79.3	20.49	17.9	0.1	0.0	0.1	4.9
24	17.0	30.0	23.9	74.5	21.59	18.7	0.0	0.1	0.1	8.6
25	16.9	29.9	23.0	78.6	22.03	19.0	0.4	12.0	12.4	5.6
26	18.6	28.0	21.7	79.3	20.30	17.7	0.0	1.5	1.5	4.6
27	17.8	26.2	21.3	82.5	21.14	18.4	2.0	21.0	23.0	0.4
28	17.4	26.1	21.5	83.3	21.12	18.3	0.0	31.8	31.8	0.4
29	17.8	26.8	21.2	82.9	20.85	18.2	24.1	0.3	24.4	3.4
30	16.9	29.0	21.7	80.6	20.82	18.1	2.0	0.3	2.3	8.3
PROM.	17.7	28.6	22.3	80.2	21.38	18.5	115.3	326.9	442.2	143.4

M E S – OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.7	29.4	23.3	76.0	21.25	18.4	0.0	0.0	0.0	8.6
2	17.2	27.6	22.0	80.0	21.19	18.4	0.0	0.0	0.0	4.6
3	17.0	29.0	22.1	80.6	21.22	18.4	0.7	12.7	13.4	4.9
4	17.8	30.0	23.0	78.9	21.54	18.6	0.0	56.4	56.4	6.9
5	18.0	26.0	20.9	86.8	21.89	18.9	1.3	0.2	1.5	3.5
6	16.8	29.4	22.0	79.7	20.82	18.1	0.0	0.0	0.0	6.3
7	17.0	28.0	21.5	81.4	21.12	18.4	0.0	0.0	0.0	6.9
8	15.7	29.5	22.2	79.3	20.59	17.9	0.0	4.4	4.4	8.8
9	17.6	28.0	22.9	79.9	22.03	19.1	15.2	1.5	16.7	4.1
10	18.4	28.2	21.8	82.3	21.50	18.6	7.3	1.7	9.0	5.9
11	18.6	26.6	21.7	84.7	21.96	19.0	1.2	1.5	2.7	1.5
12	18.0	25.2	20.6	84.9	20.83	18.1	0.0	0.0	0.0	1.9
13	16.4	27.6	21.3	82.4	20.60	17.9	2.7	0.1	2.8	5.7
14	17.5	27.0	22.3	81.7	21.78	18.9	0.0	1.7	1.7	2.3
15	17.8	28.8	22.2	80.8	21.50	18.7	0.0	1.8	1.8	
16	16.2	28.7	21.6	77.7	19.70	17.2	0.0	0.0	0.0	
17	16.5	30.2	23.2	74.9	20.74	18.1	0.0	0.5	0.5	0.7
18	18.4	27.5	21.9	86.3	22.79	19.6	0.3	7.0	7.3	3.0
19	17.8	29.2	22.1	78.7	20.66	18.0	0.0	0.0	0.0	7.0
20	18.5	29.9	22.9	79.9	21.98	19.0	0.0	8.4	8.4	6.2
21	18.2	29.2	23.0	83.2	22.98	19.7	0.0	1.0	1.0	4.8
22	17.5	28.6	22.8	79.3	21.87	18.9	0.0	11.9	11.9	6.2
23	18.5	28.4	22.6	81.8	22.33	19.3	3.3	0.1	3.4	4.7
24	18.2	27.5	22.0	79.7	21.25	18.5	31.5	24.0	55.5	3.5
25	18.4	28.0	22.2	83.4	22.11	19.0	9.4	18.1	27.5	3.1
26	18.6	27.3	22.3	85.6	22.90	19.6	2.5	1.1	3.6	4.0
27	18.7	28.2	22.5	84.8	23.10	19.8	14.5	38.5	53.0	1.8
28	18.2	27.0	21.5	82.2	20.94	18.2	0.0	0.0	0.0	1.1
29	18.5	28.0	22.3	77.6	21.19	18.4	0.1	0.0	0.1	1.4
30	18.0	28.2	22.5	83.4	22.75	19.5	0.0	0.0	0.0	3.3
31	19.2	27.6	22.4	85.1	23.05	19.7	0.8	2.5	3.3	1.1
PROM	17.7	28.2	22.2	81.4	21.62	18.7	90.8	195.1	285.9	

ESTACION: FRANCISCO ROMERO MUNICIPIO: SALAZAR AÑO: 1.989

ALTITUD: 1.000 LATITUD: 7-46 N. LONGITUD: 72-48 W.

M E S – NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	29.5	22.3	77.9	20.61	17.9	0.0	0.0	0.0	6.7
2	17.4	28.5	22.5	77.3	20.24	17.5	0.0	52.0	52.0	7.5
3	19.0	28.6	22.6	84.2	22.96	19.7	8.0	46.6	54.6	5.0
4	17.6	28.0	22.4	84.5	22.57	19.4	1.4	18.6	20.0	5.9
5	18.5	27.4	22.4	85.7	23.04	19.8	0.2	0.3	0.5	5.3
6	18.2	24.2	21.0	90.0	22.69	19.5	3.5	0.1	3.6	0.5
7	17.9	26.2	21.7	85.6	22.11	19.0	1.7	3.2	4.9	2.3
8	18.0	25.4	21.4	87.4	22.48	19.4	0.0	0.0	0.0	1.4
9	17.6	27.4	22.4	82.2	22.05	19.0	0.0	3.8	3.8	3.8
10	18.0	27.6	21.9	83.4	22.08	19.1	15.2	1.8	17.0	3.6
11	17.4	27.2	22.0	83.5	21.89	18.9	8.6	15.6	24.2	4.9
12	16.8	26.5	21.5	87.9	22.52	19.4	3.4	41.3	44.7	5.7
13	18.2	25.5	21.0	86.7	21.55	18.7	20.0	3.0	23.0	2.3
14	17.0	25.2	21.0	88.5	21.80	18.8	0.0	0.0	0.0	3.8
15	16.5	26.2	21.4	87.0	22.17	19.1	0.0	0.5	0.5	4.0
16	19.2	28.2	22.0	82.6	22.20	19.2	1.4	0.1	1.5	2.4
17	18.0	27.2	20.9	95.1	23.77	20.2	8.5	0.0	8.5	2.8
18	17.8	29.0	22.0	84.7	22.44	19.3	0.0	0.0	0.0	4.6
19	15.7	26.8	20.3	90.9	21.68	18.7	0.0	0.0	0.0	2.9
20	16.5	29.2	23.0	82.0	22.33	19.2	0.3	11.7	12.0	5.9
21	18.4	26.7	22.2	85.3	22.77	19.6	1.0	11.2	12.2	0.2
22	19.5	26.5	22.3	86.3	23.17	19.8	0.2	0.0	0.2	2.5
23	19.3	27.5	21.8	83.9	22.18	19.2	0.0	0.0	0.0	2.9
24	18.0	29.4	23.3	79.7	22.25	19.2	0.0	5.2	5.2	6.0
25	18.8	28.6	22.5	80.2	21.61	18.7	0.0	0.0	0.0	5.6
26	18.6	29.5	22.3	80.5	21.18	18.3	5.2	27.0	32.2	5.1
27	17.8	27.0	21.5	84.7	21.35	18.5	0.2	0.1	0.3	1.0
28	16.8	27.2	20.9	83.0	20.34	17.8	0.0	0.0	0.0	3.8
29	17.0	27.5	22.0	81.5	21.44	18.6	0.0	0.0	0.0	2.3
30	17.5	29.2	22.2	81.7	21.44	18.5	0.8	0.0	0.8	5.9
PROM.	17.8	27.4	21.9	84.5	22.03	19.0	79.6	242.1	321.7	116.6

M E S – DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	19.2	27.5	22.3	85.3	23.00	19.7	0.9	51.0	51.9	2.1
2	17.8	26.2	21.5	86.2	21.97	19.0	0.0	0.0	0.0	2.4
3	18.4	26.6	22.2	84.2	22.24	19.2	0.0	9.9	9.9	2.9
4	18.5	24.8	20.9	87.5	21.83	18.9	14.2	25.6	39.8	1.5
5	19.0	23.2	20.4	92.2	22.12	19.1	2.0	17.4	19.4	0.1
6	18.0	27.0	21.7	83.3	21.40	18.5	0.0	0.0	0.0	3.6
7	15.4	28.8	20.7	78.8	18.67	16.4	0.0	0.0	0.0	7.9
8	16.0	27.2	22.1	79.7	21.07	18.3	0.0	0.0	0.0	4.1
9	18.0	28.8	22.4	83.0	22.14	19.1	1.4	1.7	3.1	5.1
10	17.8	30.0	22.9	81.3	22.11	19.0	0.2	20.7	20.9	5.6
11	18.6	25.4	20.8	82.7	20.14	17.6	3.5	0.0	3.5	2.0
12	18.2	26.5	21.6	85.1	21.76	18.8	0.2	7.2	7.4	4.3
13	18.8	26.0	22.0	85.5	22.49	19.3	0.0	0.0	0.0	2.5
14	17.0	26.5	21.2	81.8	20.45	17.8	0.0	0.0	0.0	4.0
15	14.6	27.5	21.3	76.8	18.66	16.2	0.0	0.0	0.0	7.3
16	15.0	26.0	20.4	86.1	20.28	17.6	0.0	0.0	0.0	5.2
17	17.8	27.0	20.6	84.5	20.51	17.9	0.0	0.0	0.0	5.9
18	13.0	29.2	19.9	76.0	17.00	14.8	0.0	0.0	0.0	7.9
19	15.0	28.0	21.3	79.9	19.56	17.0	0.0	0.0	0.0	6.1
20	17.8	26.5	21.5	83.7	21.27	18.5	0.0	0.0	0.0	2.7
21	15.0	27.8	21.4	77.7	18.97	16.5	0.0	0.0	0.0	7.9
22	14.5	28.2	19.9	77.3	17.50	15.4	0.0	0.0	0.0	7.9
23	13.5	28.0	20.8	77.4	18.61	16.2	0.2	0.2	0.4	6.1
24	17.6	28.5	22.2	80.0	20.98	18.2	1.7	0.0	1.7	3.3
25	17.8	27.0	20.2	80.7	19.24	16.9	0.0	0.1	0.1	1.7
26	18.0	24.0	19.8	86.1	20.11	17.6	0.3	0.0	0.3	0.2
27	16.8	26.8	21.4	82.0	20.59	17.9	0.0	0.0	0.0	4.1
28	16.2	24.8	19.7	80.6	18.03	15.7	0.0	0.0	0.0	7.5
29	14.8	26.2	20.5	81.0	19.00	16.6	0.0	0.5	0.9	4.1
30	16.5	27.0	20.9	80.9	19.52	17.1	0.0	1.2	1.2	5.9
31	15.2	27.2	20.4	81.7	19.32	16.9	0.0	3.7	3.7	7.6
PROM	16.8	26.9	21.1	82.2	20.34	17.7	24.6	139.6	164.2	139.5

ESTACION: FRANCISCO ROMERO MUNICIPIO: SALAZAR AÑO: 1.989

ALTITUD: 1.000 LATITUD: 7-46 N. LONGITUD: 72-48 W.

MESES	TEMPERATURA oC					Humedad relativa o/o	Tensiòn vapor mb.	Punto rocío oC	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	16.5	24.8	20.1	14.2	28.0	85.3	19.94	17.4	73.3	17	91.9
FEBRERO	16.3	24.5	19.8	13.5	28.4	85.0	19.60	17.1	126.3	12	63.9
MARZO	17.0	24.3	20.2	13.8	29.6	86.7	20.42	17.8	196.0	24	
ABRIL	17.3	27.1	22.1	14.8	30.0	81.0	21.38	18.5	63.9	12	
MAYO	17.7	27.4	21.8	15.8	30.8	81.5	21.16	18.4	346.2	20	114.7
JUNIO	17.0	28.2	22.1	14.0	30.2	77.5	20.51	17.8	36.7	11	126.0
JULIO	16.9	28.1	21.7	15.8	30.1	78.0	20.07	17.5	94.6	14	152.4
AGOSTO	17.2	29.8	22.7	15.5	32.0	75.6	20.52	17.8	165.6	12	
SEPTIEMBRE	17.7	28.6	22.3	16.5	30.8	80.2	21.38	18.5	442.2	23	143.4
OCTUBRE	17.7	28.2	22.2	15.7	30.2	81.4	21.62	18.7	285.9	22	
NOVIEMBRE	17.8	27.4	21.9	15.7	29.5	84.5	22.03	19.0	321.7	21	116.6
DICIEMBRE	16.8	26.9	21.1	13.0	30.0	82.2	20.34	17.7	164.2	15	139.5
PROMEDIO	17.2	27.1	21.5	14.9	30.0	81.6	20.75	18.0			
TOTAL									2316.6	203	

ESTACION: BLONAY — MUNICIPIO: CHINACOTA — AÑO: 1.969

ALTITUD: 1.235 — LATITUD: 7-35 N. — LONGITUD: 72-36 W.

M E S - ENERO

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	20.2	18.2	94.8	19.89	17.4	0.0	0.0	0.0	1.6
2	16.5	24.0	19.2	91.0	20.27	17.7	1.2	3.4	4.6	1.0
3	14.8	26.2	20.4	86.2	20.38	17.7	0.8	0.0	0.8	5.8
4	15.0	24.4	19.2	90.9	20.22	17.6	0.0	0.0	0.0	3.8
5	16.8	23.5	18.7	92.9	20.08	17.5	2.8	0.1	2.9	2.0
6	15.5	23.4	18.7	91.5	19.99	17.4	0.0	0.0	0.0	2.8
7	15.4	22.0	18.3	92.5	19.53	17.1	0.0	0.0	0.0	
8	13.8	23.0	19.1	88.5	19.55	17.1	0.0	2.8	2.8	7.5
9	14.0	23.5	18.7	83.7	18.03	15.9	0.0	0.0	0.0	3.1
10	12.8	24.0	18.1	88.9	18.24	15.9	0.0	0.0	0.0	6.3
11	14.7	24.4	18.8	83.5	17.98	15.8	0.0	0.0	0.0	6.9
12	15.5	25.2	20.0	80.7	18.47	16.2	0.0	0.2	0.2	4.3
13	15.0	27.2	19.8	81.4	18.32	16.1	0.0	0.0	0.0	5.1
14	16.0	23.4	19.3	88.7	19.87	17.4	0.0	0.0	0.0	
15	14.8	25.4	19.4	84.6	18.89	16.6	0.0	0.0	0.0	5.1
16	16.0	24.8	20.2	83.4	19.60	17.2	0.0	0.0	0.0	3.7
17	15.9	22.5	19.6	86.6	19.80	17.4	0.0	0.0	0.0	0.7
18	16.5	22.0	18.8	89.1	19.22	16.9	0.0	0.0	0.0	0.2
19	14.8	26.0	19.4	81.8	18.27	16.1	0.0	0.0	0.0	4.9
20	14.5	26.6	19.7	81.8	18.39	16.2	0.0	0.0	0.0	5.2
21	15.8	25.1	19.4	87.4	19.55	17.1	0.0	0.3	0.3	2.8
22	17.6	23.4	19.3	88.8	19.98	17.5	2.7	0.0	2.7	2.0
23	14.0	27.3	19.6	79.3	17.89	15.7	0.0	0.0	0.0	8.7
24	13.5	27.2	19.5	78.7	17.60	15.5	0.0	0.0	0.0	7.4
25	14.0	24.4	18.0	88.6	18.38	16.1	0.0	0.0	0.0	3.5
26	15.4	22.2	18.8	88.2	19.17	16.8	0.0	14.3	14.3	1.6
27	15.8	20.5	17.9	92.8	19.04	16.7	5.0	2.8	7.8	0.1
28	15.7	20.5	18.3	90.0	18.95	16.6	0.0	0.0	0.0	0.0
29	16.0	20.8	18.1	86.3	17.91	15.7	0.0	0.0	0.0	0.4
30	15.0	21.5	17.6	89.0	17.84	15.7	0.0	0.0	0.0	2.2
31	14.5	25.8	19.8	82.2	18.66	16.4	0.0	0.0	0.0	3.4
PROM.	15.2	23.9	19.0	86.9	19.03	16.7	12.5	23.9	36.4	

M E S - FEBRERO

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.0	24.8	18.5	89.0	18.78	16.5	0.0	7.6	7.6	3.3
2	16.2	19.0	17.3	94.0	18.67	16.4	0.7	0.8	1.5	0.0
3	14.2	20.0	17.2	94.3	18.59	16.4	3.3	1.4	4.7	0.2
4	15.7	19.8	17.1	93.9	18.35	16.1	1.1	7.7	8.8	0.1
5	14.8	21.0	17.1	89.5	17.58	15.5	0.0	0.0	0.0	0.5
6	15.4	23.8	19.1	83.6	18.22	16.0	0.0	0.4	0.4	1.4
7	16.0	24.0	19.4	88.8	19.84	17.4	0.5	0.0	0.5	1.1
8	15.2	22.6	18.8	88.8	19.34	17.0	0.0	0.0	0.0	0.9
9	16.0	23.0	19.1	83.7	18.46	16.2	0.0	0.0	0.0	1.8
10	13.8	25.3	18.8	79.5	16.57	14.4	0.5	1.3	1.8	5.9
11	16.0	22.1	18.5	88.4	18.93	16.7	2.4	4.2	6.6	1.6
12	14.5	22.8	18.7	86.2	18.47	16.2	0.7	1.3	2.0	2.3
13	16.5	23.8	18.9	90.7	19.86	17.4	2.9	0.3	3.2	2.4
14	16.8	22.1	18.5	87.5	18.82	16.6	0.0	0.0	0.0	0.8
15	11.8	23.0	17.4	86.9	17.12	15.0	0.0	1.1	1.1	4.4
16	14.8	22.0	17.8	87.1	17.50	15.4	1.0	0.0	1.0	3.1
17	13.4	25.0	19.0	81.9	17.55	15.4	0.0	0.0	0.0	5.6
18	14.7	27.0	20.1	78.4	17.77	15.6	0.0	0.0	0.0	1.0
19	16.0	27.3	20.5	81.4	19.45	17.0	0.9	0.0	0.9	2.8
20	17.8	25.0	20.2	85.4	20.33	17.8	0.0	0.5	0.5	1.1
21	16.8	27.8	20.5	80.1	19.33	17.0	0.1	0.0	0.1	4.0
22	15.4	26.0	20.7	79.6	19.17	16.8	0.0	0.0	0.0	3.4
23	16.8	24.2	20.2	86.0	20.23	17.7	0.0	0.0	0.0	1.2
24	15.8	25.0	19.8	87.1	19.86	17.4	0.0	0.0	0.0	2.6
25	17.5	23.4	19.5	93.0	20.97	18.2	0.7	0.9	1.6	0.6
26	16.0	25.6	20.5	83.1	19.79	17.3	0.0	0.0	0.0	1.4
27	15.8	27.2	19.8	84.8	19.90	17.4	0.0	1.8	1.8	2.5
28	16.6	28.8	21.3	76.5	19.21	16.8	0.0	0.0	0.0	4.4
PROM	15.5	24.0	19.1	86.0	18.88	16.6	14.8	29.3	44.1	60.4

ESTACION: BLONAY MUNICIPIO: CHINACOTA AÑO: 1.989

ALTITUD: 1.235 LATITUD: 7-35 N. LONGITUD: 72-36 W.

M E S — MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.0	28.9	21.5	79.0	19.75	17.2	0.0	0.0	0.0	7.3
2	16.5	28.0	21.7	79.7	20.06	17.5	0.0	0.0	0.0	6.8
3	16.0	27.6	20.9	80.3	19.49	17.1	0.0	0.0	0.0	3.9
4	16.2	26.7	20.8	81.4	19.73	17.3	0.0	0.0	0.0	2.3
5	17.2	27.0	20.8	83.5	20.42	17.8	0.0	37.9	37.9	1.7
6	16.0	23.0	19.6	88.5	20.26	17.7	0.1	0.1	0.2	0.4
7	17.0	24.5	20.3	86.8	20.84	18.1	0.0	0.1	0.1	1.1
8	17.8	25.5	20.7	85.7	21.00	18.3	0.0	0.0	0.0	1.1
9	16.2	25.6	20.3	84.1	19.71	17.2	0.0	2.9	2.9	3.7
10	16.0	23.5	20.2	88.2	20.91	18.2	0.0	2.2	2.2	0.5
11	17.8	19.9	18.9	95.3	20.95	18.2	2.9	12.6	15.5	0.0
12	17.0	21.0	18.6	95.2	20.65	18.0	6.2	12.6	18.8	0.4
13	16.9	19.0	18.2	95.3	19.90	17.4	5.7	0.0	5.7	0.0
14	16.7	21.0	18.8	94.8	20.56	17.9	0.3	0.2	0.5	0.2
15	17.5	24.5	19.6	88.4	20.44	17.8	1.8	1.6	3.4	1.7
16	17.0	22.4	18.9	88.3	19.46	17.1	1.0	4.0	5.0	0.1
17	16.0	22.0	18.7	93.7	20.40	17.8	1.7	13.6	15.3	0.5
18	16.8	19.6	17.5	94.9	18.92	16.6	1.9	0.0	1.9	0.0
19	16.0	23.2	19.3	87.9	19.98	17.5	0.8	8.3	9.1	2.3
20	16.7	21.6	18.0	93.8	19.52	17.1	3.5	7.7	11.2	0.7
21	16.0	21.4	18.3	91.0	19.10	16.8	0.7	51.0	51.7	1.3
22	15.2	23.2	18.4	88.3	18.82	16.5	0.5	0.0	0.5	1.2
23	15.4	24.6	19.8	84.7	19.57	17.1	0.0	0.5	0.5	3.8
24	14.4	25.0	19.3	84.7	18.72	16.4	0.0	0.0	0.0	6.7
25	15.7	22.5	18.4	91.3	19.65	17.2	6.8	0.8	7.6	0.1
26	13.0	23.2	18.3	91.9	19.32	16.8	0.0	0.0	0.0	0.2
27	16.2	24.5	19.3	85.2	19.11	16.8	0.1	4.8	4.9	1.6
28	16.4	24.0	19.4	87.5	19.69	17.2	0.0	0.0	0.0	0.6
29	15.6	23.4	18.8	88.2	19.16	16.8	3.7	0.0	3.7	2.1
30	15.1	23.2	18.5	89.3	19.04	16.7	4.7	1.2	5.9	2.4
31	16.7	21.4	18.7	93.1	19.94	17.4	0.8	7.8	8.6	0.9
PROM.	16.2	23.6	19.4	88.4	19.84	17.3	43.2	169.9	213.1	55.6

M E S — ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.8	20.5	17.4	97.5	19.30	16.9	1.3	0.7	2.0	0.0
2	16.9	19.6	17.7	95.0	19.43	17.1	0.8	0.5	1.3	0.0
3	15.0	24.1	19.9	86.6	19.80	17.3	0.0	0.0	0.0	2.3
4	16.4	21.2	18.4	95.9	20.31	17.7	0.4	0.0	0.4	0.1
5	16.5	26.5	19.5	89.3	20.41	17.8	0.5	0.0	0.5	1.7
6	16.2	28.0	21.1	82.4	20.24	17.7	0.0	0.0	0.0	4.7
7	15.4	28.2	21.0	80.8	19.87	17.4	1.1	0.0	1.1	7.8
8	14.8	27.8	21.3	78.8	19.56	17.1	0.0	0.0	0.0	8.2
9	15.0	29.2	20.5	75.7	17.51	15.3	0.0	0.0	0.0	8.5
10	15.4	22.2	18.8	86.9	18.92	16.7	0.0	0.0	0.0	
11	16.8	28.4	21.4	76.6	18.90	16.5	0.0	0.0	0.0	3.9
12	16.0	28.8	21.5	78.7	19.73	17.2	0.0	0.0	0.0	7.2
13	16.4	27.5	22.3	81.4	21.48	18.6	0.0	0.0	0.0	5.3
14	16.0	25.5	21.4	82.3	20.91	18.2	0.0	0.0	0.0	3.2
15	17.0	27.1	21.8	79.7	20.81	18.1	0.0	0.0	0.0	4.9
16	16.5	28.2	22.1	80.1	20.84	18.1	0.0	0.0	0.0	8.0
17	16.4	28.5	22.8	79.4	21.57	18.7	0.0	0.0	0.0	9.5
18	14.5	28.0	21.7	75.3	19.01	16.5	0.0	0.0	0.0	7.2
19	14.8	28.8	22.0	77.1	19.47	16.9	0.0	0.0	0.0	8.3
20	15.2	26.8	21.6	76.0	19.26	16.9	0.0	0.0	0.0	1.1
21	17.8	28.0	22.3	77.6	20.95	18.2	0.0	0.0	0.0	2.5
22	17.8	26.0	20.6	86.8	21.29	18.5	0.7	0.1	0.8	0.7
23	17.0	27.2	20.5	87.9	21.77	18.8	1.6	0.0	1.6	4.0
24	16.0	29.6	21.6	82.1	21.27	18.4	13.6	0.0	13.6	5.8
25	16.3	28.0	21.8	80.5	20.97	18.2	0.0	0.0	0.0	6.1
26	15.8	26.0	21.2	82.8	20.45	17.8	0.0	0.2	0.2	2.8
27	18.5	25.2	20.5	89.3	21.68	18.8	0.0	0.0	0.0	1.1
28	16.0	26.4	20.8	83.3	20.39	17.8	0.0	0.0	0.0	5.0
29	16.7	26.9	21.0	80.6	20.21	17.7	0.0	0.0	0.0	4.4
30	16.2	29.2	21.5	79.3	20.06	17.5	0.0	0.0	0.0	3.9
PROM	16.2	26.6	20.9	82.9	20.21	17.6	20.0	1.5	21.5	

ESTACION: BLONAY MUNICIPIO: CHINACOTA AÑO: 1.989

ALTITUD: 1.235 LATITUD: 7-35 N. LONGITUD: 72-36 W.

M E S – MAYO

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.2	27.5	20.6	81.8	19.75	17.3	0.0	0.0	0.0	2.4
2	16.5	25.9	20.2	88.7	21.28	18.5	0.8	10.6	11.4	1.4
3	16.0	25.0	20.4	86.5	20.61	17.9	0.0	0.4	0.4	1.1
4	17.0	24.2	20.4	86.8	20.73	18.1	0.0	0.0	0.0	2.4
5	16.8	25.0	20.1	88.7	21.01	18.3	0.0	0.0	0.0	2.4
6	17.5	24.0	20.1	90.6	21.45	18.6	2.1	0.0	2.1	1.1
7	15.9	26.2	20.3	87.3	20.89	18.2	9.0	15.0	24.0	4.2
8	17.8	23.9	19.3	92.8	21.21	18.4	7.9	2.5	10.4	0.1
9	17.0	25.0	20.4	87.8	21.10	18.3	4.6	12.4	17.0	2.5
10	17.8	26.0	19.3	86.0	19.85	17.4	35.0	12.8	47.8	2.9
11	15.0	28.0	21.3	83.0	20.88	18.2	0.0	0.0	0.0	8.1
12	16.5	28.8	20.5	83.8	20.64	18.0	4.4	0.0	4.4	6.4
13	16.0	28.0	19.8	82.4	19.22	16.9	0.2	2.2	2.4	4.0
14	16.9	27.0	20.9	82.4	20.43	17.8	1.1	0.3	1.4	4.5
15	16.7	28.1	20.3	82.2	19.74	17.3	0.0	0.0	0.0	3.4
16	14.5	31.2	23.1	57.9	14.83	12.8	0.0	0.0	0.0	9.4
17	16.0	26.2	20.8	79.7	19.53	17.1	0.0	3.9	3.9	4.9
18	16.8	22.8	18.3	91.0	19.67	17.2	1.4	0.0	1.4	0.5
19	16.0	29.2	21.4	71.0	17.78	15.5	0.0	0.0	0.0	7.4
20	15.5	28.6	20.4	77.0	18.10	15.9	0.0	0.0	0.0	7.5
21	17.0	25.2	19.9	84.3	19.92	17.4	0.0	0.0	0.0	0.9
22	17.0	25.6	21.0	81.8	20.68	18.0	0.0	0.5	0.5	3.3
23	16.5	27.4	21.3	77.5	19.39	17.0	0.0	0.0	0.0	2.1
24	16.6	25.0	19.5	80.4	18.58	16.3	0.0	0.0	0.0	1.0
25	15.5	28.2	22.8	75.1	20.39	17.8	0.0	0.0	0.0	5.5
26	17.0	25.5	19.7	85.2	19.92	17.5	1.3	0.0	1.3	1.3
27	16.0	27.2	21.2	79.5	19.69	17.2	0.0	2.9	2.9	4.2
28	17.2	26.5	21.0	84.1	20.89	18.2	0.0	8.7	8.7	0.9
29	17.4	26.4	20.7	84.9	20.88	18.2	2.3	0.0	2.3	2.2
30	16.5	28.8	22.3	81.5	21.36	18.5	0.0	0.0	0.0	5.5
31	16.6	29.0	21.5	78.8	19.73	17.2	0.0	0.0	0.0	4.7
PROM.	16.5	26.6	20.6	82.6	20.00	17.5	70.1	72.2	142.3	108.2

M E S – JUNIO

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.8	26.8	21.6	80.7	21.04	18.3	0.0	0.7	0.7	2.8
2	16.0	29.4	21.8	77.2	19.75	17.3	0.0	0.0	0.0	4.9
3	16.8	26.8	20.9	81.7	20.49	17.9	3.4	0.0	3.4	3.8
4	15.8	26.6	20.6	81.9	19.81	17.4	0.0	2.7	2.7	3.6
5	16.9	24.2	19.2	86.5	19.32	16.9	0.5	0.0	0.5	0.7
6	15.5	22.0	18.9	87.2	19.39	17.0	0.6	0.0	0.6	0.6
7	16.3	26.4	20.2	82.2	19.50	17.1	0.0	0.0	0.0	2.9
8	16.5	22.5	18.8	92.9	20.41	17.8	4.2	0.3	4.5	0.6
9	16.6	24.0	19.6	87.0	20.14	17.6	0.0	0.0	0.0	2.1
10	14.0	25.0	19.5	83.2	18.82	16.5	1.9	1.8	3.7	3.2
11	16.2	22.4	18.5	86.7	18.63	16.4	5.2	0.0	5.2	0.0
12	16.3	28.0	20.7	80.6	19.81	17.4	0.0	0.0	0.0	4.9
13	16.2	27.0	20.0	78.3	18.60	16.4	3.9	0.0	3.9	7.4
14	16.0	29.0	20.6	77.8	18.34	16.1	0.0	0.0	0.0	3.2
15	17.0	30.0	20.9	74.7	17.96	15.7	0.0	0.0	0.0	7.5
16	13.8	28.9	20.2	67.9	15.16	13.0	0.0	0.0	0.0	5.4
17	14.2	29.4	21.4	74.2	18.83	16.5	0.0	0.0	0.0	5.5
18	16.4	27.3	21.3	78.5	19.70	17.3	0.0	0.0	0.0	2.9
19	17.0	28.0	21.2	74.2	19.13	16.8	4.4	0.0	4.4	
20	15.0	27.6	20.2	77.7	18.15	15.9	0.0	0.0	0.0	7.1
21	16.2	27.4	20.8	74.0	18.30	16.1	0.0	0.0	0.0	4.2
22	16.0	28.5	20.9	79.4	19.58	17.2	3.6	2.0	5.6	3.7
23	17.2	26.8	18.8	84.2	19.20	16.8	4.6	0.0	4.6	2.6
24	14.5	27.2	20.6	79.5	18.87	16.6	0.0	0.0	0.0	5.5
25	15.0	24.4	19.1	87.4	19.57	17.1	0.0	0.0	0.0	2.3
26	14.5	26.4	18.9	81.5	17.87	15.7	1.4	0.0	1.4	2.3
27	13.0	29.4	20.0	71.9	15.86	13.6	0.0	0.0	0.0	9.0
28	14.0	28.5	21.0	76.8	18.36	16.0	0.0	0.0	0.0	7.8
29	13.5	29.0	21.2	71.6	17.23	15.0	0.0	0.0	0.0	8.4
30	15.0	27.8	20.1	76.0	17.71	15.5	4.0	0.0	4.0	2.2
PROM	15.6	26.9	20.3	79.8	18.85	16.5	37.7	7.5	45.2	

ESTACION: BLONAY MUNICIPIO: CHINACOTA AÑO: 1.969

ALTITUD: 1.235 LATITUD: 7-35 N. LONGITUD: 72-36 W.

M E S – JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.0	26.0	19.8	81.1	18.70	16.4	0.1	0.9	1.0	2.8
2	15.8	27.0	20.2	85.8	20.03	17.9	0.0	0.0	0.0	4.4
3	14.8	26.6	19.5	75.5	16.99	14.9	0.0	0.0	0.0	2.4
4	14.4	29.8	20.4	76.1	17.53	15.3	0.0	0.0	0.0	4.2
5	15.5	23.5	18.0	92.6	19.39	17.0	5.9	0.0	5.9	0.8
6	15.0	24.9	19.8	82.1	18.72	16.5	0.0	0.5	0.5	2.7
7	15.5	30.0	21.4	73.1	17.96	15.7	0.0	0.0	0.0	6.9
8	14.0	26.0	19.9	78.6	17.71	15.6	0.9	0.0	0.9	2.9
9	14.8	28.0	20.0	79.4	18.45	16.2	0.0	0.0	0.0	7.7
10	15.2	27.5	20.9	75.7	18.71	16.4	0.0	0.0	0.0	6.7
11	15.0	29.2	20.8	79.0	19.15	16.8	0.0	0.0	0.0	7.4
12	14.8	29.0	20.5	77.6	18.38	16.1	0.0	0.0	0.0	6.7
13	15.0	26.0	20.6	82.3	19.98	17.5	0.0	0.0	0.0	3.0
14	17.0	29.0	21.5	73.7	18.90	16.6	0.0	0.6	0.6	7.7
15	16.5	26.2	19.2	81.2	18.31	16.1	4.4	0.0	4.4	2.0
16	15.0	27.2	20.6	81.5	19.65	17.2	0.8	0.0	0.8	5.3
17	16.0	28.5	21.4	81.2	20.63	18.0	0.0	0.0	0.0	5.0
18	16.2	27.5	22.1	77.0	20.25	17.6	0.0	0.0	0.0	4.5
19	15.8	26.0	19.3	83.0	18.84	16.6	6.6	0.0	6.6	1.5
20	16.5	23.2	18.0	94.2	19.60	17.2	1.5	0.0	1.5	0.0
21	16.0	28.2	21.6	76.6	19.35	16.9	0.0	0.2	0.2	5.4
22	17.2	23.0	19.1	91.8	20.30	17.7	9.3	0.0	9.3	0.7
23	15.4	28.0	20.4	93.4	22.30	19.2	0.9	0.0	0.9	4.7
24	17.5	24.2	19.4	91.8	21.25	18.4	5.9	0.0	5.9	1.7
25	17.0	23.8	19.4	90.4	20.43	17.9	4.3	5.2	9.5	1.1
26	16.5	27.2	19.5	83.6	18.90	16.6	11.3	0.0	11.3	3.9
27	14.5	28.9	20.8	78.2	18.54	16.2	0.0	0.0	0.0	6.0
28	15.5	26.3	20.1	81.9	19.17	16.8	0.6	0.0	0.6	3.7
29	14.5	26.2	19.9	81.4	18.57	16.3	0.0	0.0	0.0	1.8
30	14.6	27.9	21.6	81.7	20.77	18.0	0.0	15.2	15.2	6.9
31	15.2	28.0	21.3	79.8	19.60	17.1	0.0	0.8	0.8	7.5
PROM.	15.5	26.9	20.2	82.0	19.26	16.8	52.5	23.4	75.9	128.0

M E S – AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	30.2	21.8	74.0	18.23	15.9	0.0	0.0	0.0	7.0
2	15.0	28.2	19.1	78.0	17.09	15.0	6.2	0.0	6.2	3.7
3	14.8	29.8	22.0	73.3	18.31	16.0	0.0	0.0	0.0	8.5
4	16.2	26.2	20.6	77.7	18.75	16.4	0.7	0.0	0.7	3.0
5	16.0	29.2	20.8	81.9	19.76	17.3	4.5	1.9	6.4	8.4
6	16.2	26.0	19.8	84.4	19.52	17.1	0.0	0.0	0.0	3.9
7	16.1	27.6	21.1	82.1	20.23	17.6	7.9	4.8	12.7	4.1
8	16.0	29.0	20.8	80.7	19.51	17.1	0.7	0.0	0.7	5.4
9	16.5	26.8	20.8	81.3	19.62	17.2	0.0	0.0	0.0	3.6
10	15.2	28.4	22.1	73.5	18.73	16.4	0.0	0.0	0.0	6.6
11	15.0	28.0	21.1	77.2	18.91	16.5	0.0	0.0	0.0	2.6
12	16.5	28.1	20.3	77.6	18.56	16.3	1.5	0.0	1.5	3.4
13	15.4	29.6	20.7	78.9	18.74	16.5	0.0	0.0	0.0	6.3
14	16.0	27.0	22.2	74.6	19.55	17.1	0.0	0.0	0.0	2.1
15	15.5	28.0	21.4	76.9	19.38	17.0	0.0	0.0	0.0	2.0
16	16.5	27.8	20.4	80.8	19.17	16.8	0.0	1.0	1.0	4.9
17	15.0	28.8	21.2	79.4	19.48	17.1	0.0	0.0	0.0	5.8
18	15.4	29.0	21.5	75.5	19.17	16.8	0.0	0.0	0.0	7.1
19	15.5	30.5	21.8	77.6	19.90	17.3	0.0	0.0	0.0	8.2
20	15.7	28.0	20.7	81.9	19.46	17.0	4.7	0.9	5.6	4.7
21	16.8	29.2	21.3	79.4	19.66	17.2	1.3	0.0	1.3	8.1
22	16.0	31.2	21.7	75.5	19.31	16.9	2.2	19.9	22.1	7.2
23	15.8	29.2	21.4	80.7	20.37	17.8	0.0	0.0	0.0	7.8
24	16.2	28.2	21.0	81.1	19.80	17.3	0.9	0.8	1.7	6.3
25	16.0	28.1	21.5	79.7	19.99	17.5	0.0	1.5	1.5	4.0
26	15.8	28.0	20.9	77.9	18.70	16.4	0.0	0.0	0.0	4.7
27	15.5	30.0	21.4	78.8	19.40	16.9	0.4	3.2	3.6	7.4
28	16.5	29.0	21.7	76.9	19.90	17.4	9.7	0.0	9.7	4.6
29	17.0	26.2	21.2	80.7	20.40	17.8	0.0	0.0	0.0	3.1
30	16.0	26.8	19.9	89.3	20.83	18.1	2.8	2.0	4.8	4.3
31	15.8	28.0	21.4	80.7	20.10	17.5	0.0	0.0	0.0	6.6
PROM	15.9	28.4	21.1	79.0	19.37	16.9	43.5	36.0	79.5	165.4

ESTACION: BLONAY MUNICIPIO: CHINACOTA AÑO: 1.989

ALTITUD: 1.235 LATITUD: 7-35 N. LONGITUD: 72-36 W.

M E S – SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.0	28.3	21.5	80.5	20.32	17.7	0.8	3.9	4.7	7.5
2	15.7	29.8	22.8	78.4	21.53	18.6	0.0	0.0	0.0	8.5
3	17.0	28.2	21.5	77.3	19.75	17.2	2.5	1.8	4.3	4.5
4	17.8	28.0	21.2	84.7	21.14	18.3	0.1	0.0	0.1	4.0
5	18.0	25.0	20.5	88.5	21.33	18.5	0.0	0.3	0.3	1.4
6	16.0	26.5	20.1	84.7	19.61	17.1	1.3	0.0	1.3	2.2
7	16.4	28.6	22.3	80.7	21.07	18.3	0.2	0.0	0.2	6.5
8	16.0	26.2	19.7	92.8	21.66	18.7	1.9	0.0	1.9	3.4
9	15.5	29.6	21.3	77.3	19.33	16.9	1.4	0.0	1.4	5.5
10	16.4	27.2	20.1	82.7	19.96	17.5	8.8	2.3	11.1	3.2
11	16.0	26.5	20.5	83.4	20.12	17.6	2.7	1.6	4.3	5.0
12	16.0	28.8	21.3	79.5	19.91	17.4	0.3	0.0	0.3	6.2
13	17.5	28.5	21.8	80.0	21.02	18.3	0.4	1.8	2.2	5.7
14	16.0	28.0	20.3	81.9	19.34	17.0	0.1	0.0	0.1	3.3
15	15.5	30.0	21.0	76.3	18.91	16.6	0.0	0.0	0.0	6.2
16	15.0	25.9	19.2	84.4	19.13	16.8	0.0	0.0	0.0	1.1
17	15.8	30.0	21.7	76.3	19.21	16.8	0.0	0.6	0.6	8.2
18	16.4	29.5	21.4	82.0	20.67	18.0	1.2	0.7	1.9	4.6
19	16.5	28.5	21.2	81.8	20.49	17.9	0.3	1.2	1.5	3.7
20	17.8	26.8	20.9	85.7	21.06	18.3	0.5	1.9	2.4	2.0
21	15.5	26.4	19.2	92.4	20.78	18.1	1.9	0.0	1.9	1.7
22	16.0	26.5	21.1	81.6	20.71	18.1	6.9	0.0	6.9	2.7
23	15.5	27.8	19.2	84.1	18.86	16.6	4.5	0.0	4.5	4.4
24	15.6	28.5	21.1	82.3	20.25	17.6	0.2	0.1	0.3	7.2
25	16.0	27.2	21.7	80.2	20.63	18.0	0.0	39.3	39.3	2.7
26	17.0	26.8	21.0	80.7	19.74	17.3	0.1	1.1	1.2	2.8
27	16.0	26.4	20.6	79.5	19.49	17.1	0.0	20.0	20.0	2.1
28	16.0	25.4	18.9	93.3	20.52	17.9	3.9	11.3	15.2	1.0
29	16.8	24.2	19.7	84.7	19.65	17.2	2.0	0.5	2.5	2.3
30	15.5	27.4	20.3	78.5	18.19	15.9	0.5	0.0	0.5	4.2
PROM.	16.2	27.6	20.8	82.6	20.15	17.6	42.5	88.4	130.9	123.8

M E S – OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.2	28.5	20.2	79.1	18.71	16.4	13.4	0.8	14.2	6.8
2	16.0	26.8	20.4	84.6	20.44	17.8	1.4	0.0	1.4	2.0
3	15.5	27.5	20.7	83.6	20.45	17.8	0.0	0.0	0.0	4.5
4	16.0	29.4	20.5	80.3	19.04	16.7	36.8	4.7	41.5	6.3
5	17.5	24.0	19.8	88.1	20.50	17.9	0.5	2.1	2.6	1.9
6	15.0	27.9	20.4	82.5	19.85	17.4	0.0	0.0	0.0	5.7
7	15.5	26.4	19.5	82.7	18.89	16.6	0.5	0.0	0.5	5.0
8	14.8	28.4	21.0	78.8	19.01	16.7	0.0	0.0	0.0	6.5
9	15.0	26.8	20.8	83.0	20.29	17.7	1.6	7.8	9.4	3.1
10	17.2	26.0	20.3	85.1	20.34	17.8	2.1	0.0	2.1	4.4
11	16.5	24.0	20.2	92.4	22.04	19.0	5.1	0.0	5.1	1.4
12	16.0	22.3	18.7	92.1	20.06	17.5	1.2	0.0	1.2	0.1
13	14.8	24.8	19.0	91.5	20.15	17.6	5.0	0.0	5.0	2.1
14	16.0	26.7	20.8	82.5	19.93	17.4	0.0	0.0	0.0	5.2
15	17.0	28.2	20.4	78.3	18.74	16.4	0.0	0.0	0.0	7.4
16	14.2	26.4	19.5	81.4	18.35	16.2	0.0	0.0	0.0	2.8
17	15.0	29.0	21.7	78.2	20.17	17.6	0.0	1.2	1.2	4.9
18	16.9	25.4	20.2	84.4	20.04	17.5	0.1	2.7	2.8	1.6
19	15.8	26.6	19.6	81.8	18.46	16.2	0.0	0.0	0.0	4.2
20	16.8	29.0	21.2	78.6	19.67	17.2	0.0	0.0	0.0	7.1
21	15.8	28.6	21.2	80.7	20.07	17.5	0.0	0.0	0.0	6.3
22	15.8	28.2	20.8	78.6	19.06	16.8	0.0	0.0	0.0	4.5
23	17.0	28.3	21.8	81.2	21.15	18.4	0.0	1.1	1.1	3.8
24	16.4	26.4	21.0	86.8	21.65	18.7	0.0	0.0	0.0	3.8
25	17.6	26.0	20.8	86.1	21.38	18.5	0.6	0.2	0.8	3.5
26	17.5	25.8	20.7	87.8	21.49	18.6	15.5	0.0	15.5	2.9
27	16.8	27.4	21.4	86.2	21.94	19.0	8.8	0.8	9.6	2.5
28	17.8	24.2	20.0	87.1	20.43	17.8	0.0	0.0	0.0	0.0
29	16.9	26.0	20.4	83.9	20.33	17.8	0.0	0.1	0.1	2.9
30	17.0	30.0	22.1	78.2	20.32	17.7	0.0	0.0	0.0	5.2
31	18.8	27.4	21.6	83.8	21.73	18.8	0.6	4.3	4.9	3.7
PROM	16.3	26.9	20.5	83.5	20.15	17.6	93.2	25.8	119.0	122.1

ESTACION: BLONAY MUNICIPIO: CHINACOTA AÑO: 1.989

ALTITUD: 1.235 LATITUD: 7-35 N. LONGITUD: 72-36 W.

M E S — NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.0	28.2	20.9	81.3	19.75	17.2	0.0	0.0	0.0	5.8
2	15.8	28.0	20.8	82.3	19.88	17.4	0.9	0.0	0.9	5.0
3	18.4	27.6	21.3	83.4	21.20	18.4	1.5	0.0	1.5	3.3
4	15.8	25.6	20.9	87.5	21.41	18.5	0.0	37.6	37.6	5.3
5	17.4	26.1	20.8	85.0	20.74	18.1	0.5	0.0	0.5	2.6
6	17.2	24.2	20.0	88.9	20.64	18.0	1.2	0.2	1.4	1.1
7	15.0	25.0	19.3	88.5	19.94	17.5	0.7	15.8	16.5	2.0
8	15.8	24.4	19.7	90.3	20.88	18.2	0.0	6.2	6.2	2.8
9	16.8	26.0	20.8	87.5	21.60	18.7	0.0	0.0	0.0	4.7
10	17.4	25.2	20.5	90.4	22.14	19.1	10.0	8.3	18.3	4.4
11	17.2	28.4	21.2	82.3	20.78	18.1	38.4	0.0	38.4	2.5
12	14.8	25.1	18.7	91.0	19.57	17.1	0.0	0.0	0.0	5.1
13	15.8	23.4	19.3	93.5	20.83	18.1	0.0	0.7	0.7	3.4
14	16.8	24.6	19.9	87.3	20.44	17.8	1.2	0.0	1.2	3.3
15	17.0	24.5	20.3	89.4	21.30	18.5	2.5	3.8	6.3	4.2
16	15.9	26.2	20.8	84.9	20.71	18.1	0.8	0.0	0.8	
17	16.0	26.0	20.3	90.0	21.79	18.8	3.0	0.0	3.0	2.8
18	15.9	25.0	20.0	89.6	21.20	18.4	0.8	0.0	0.8	4.8
19	15.4	25.2	20.2	85.1	19.98	17.5	0.0	0.0	0.0	2.2
20	16.8	28.4	21.2	80.6	20.06	17.5	0.0	0.0	0.0	6.2
21	16.9	26.6	21.7	79.3	20.74	18.1	0.0	0.0	0.0	1.4
22	18.0	25.8	21.2	87.6	22.26	19.2	1.1	0.0	1.1	2.3
23	17.5	25.0	20.7	91.0	22.71	19.5	0.0	0.0	0.0	2.3
24	17.0	28.0	22.0	79.4	20.96	18.2	0.0	1.5	1.5	6.1
25	17.2	28.2	21.4	82.5	21.24	18.5	0.0	0.0	0.0	5.1
26	16.2	27.8	21.0	82.4	20.22	17.6	16.7	10.2	26.9	3.3
27	16.5	27.0	21.0	86.0	21.46	18.7	0.0	0.0	0.0	4.1
28	16.0	26.5	20.2	85.6	20.47	17.9	0.0	0.0	0.0	3.8
29	16.2	26.8	20.7	84.9	20.99	18.3	0.0	0.0	0.0	2.0
30	15.8	26.9	21.0	81.7	19.96	17.4	0.0	0.0	0.0	5.2
PROM.	16.5	26.2	20.6	86.0	20.86	18.1	79.3	84.3	163.6	

M E S — DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.5	27.0	21.5	83.4	21.56	18.7	0.8	23.3	24.1	1.3
2	17.0	24.0	19.4	92.9	21.41	18.6	4.2	11.6	15.8	0.5
3	17.1	25.5	20.1	87.7	20.77	18.1	0.0	40.0	40.0	2.6
4	17.0	25.2	20.3	86.5	20.91	18.2	0.6	18.5	19.1	2.1
5	17.8	23.2	19.6	91.1	20.94	18.2	2.2	15.8	18.0	1.4
6	17.5	25.4	20.7	84.9	20.82	18.1	0.2	0.0	0.2	2.9
7	13.5	27.5	19.2	80.0	17.50	15.4	0.0	0.0	0.0	8.6
8	14.7	25.0	20.2	83.1	19.68	17.2	0.0	0.0	0.0	2.1
9	16.7	27.1	21.1	83.7	20.66	17.9	0.0	0.0	0.0	4.3
10	16.0	28.0	21.5	83.0	21.14	18.4	0.0	2.0	2.0	7.5
11	16.7	24.1	20.0	88.0	20.79	18.1	0.0	0.0	0.0	1.1
12	15.4	24.4	19.6	88.2	19.85	17.4	0.0	0.0	0.0	2.2
13	16.0	24.0	20.0	90.4	21.07	18.3	0.0	0.0	0.0	3.0
14	15.2	25.0	19.9	86.9	20.04	17.5	0.0	0.0	0.0	4.5
15	14.0	27.0	20.3	76.6	17.34	15.1	0.0	0.0	0.0	7.9
16	13.5	24.6	19.2	85.7	18.92	16.6	2.0	0.0	2.0	5.6
17	15.0	26.8	18.9	81.3	17.58	15.5	0.0	0.0	0.0	2.9
18	12.4	28.5	20.0	74.5	16.80	14.6	0.0	0.0	0.0	8.6
19	13.0	27.0	20.0	78.0	17.64	15.4	0.0	0.0	0.0	6.5
20	17.0	25.4	20.3	82.1	19.62	17.2	0.0	0.0	0.0	6.2
21	13.5	27.2	19.8	78.3	17.42	15.2	0.0	0.0	0.0	8.6
22	12.0	27.5	18.5	75.7	15.95	13.9	0.0	0.0	0.0	0.9
23	13.8	26.8	19.5	79.5	17.61	15.4	0.0	0.1	0.1	4.2
24	15.4	27.1	20.5	82.8	20.02	17.5	0.0	0.0	0.0	5.0
25	17.6	24.9	19.5	86.6	19.75	17.3	2.2	0.1	2.3	1.2
26	16.8	24.0	19.0	88.4	19.39	17.0	0.0	0.0	0.0	
27	15.5	25.4	20.3	85.0	20.04	17.5	0.0	0.0	0.0	5.3
28	13.8	25.8	18.8	80.4	17.01	14.9	0.0	0.0	0.0	6.4
29	13.0	24.5	18.0	82.6	16.91	14.8	0.0	0.3	0.3	
30	14.2	24.7	19.1	85.9	18.77	16.4	0.0	0.0	0.0	
31	14.4	25.8	19.3	87.1	19.33	16.9	39.5	0.0	39.5	
PROM	15.3	25.8	19.8	83.9	19.27	16.8	51.7	111.7	163.4	

ESTACION: BLONAY MUNICIPIO: CHINACOTA AÑO: 1989

ALTITUD: 1.235 LATITUD: 7-35 N. LONGITUD: 72-36 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	15.2	23.9	19.0	12.8	27.3	86.5	19.03	16.7	36.4	9	
FEBRERO	15.5	24.0	19.1	11.8	28.8	86.0	18.88	16.6	44.1	17	60.4
MARZO	16.2	23.6	19.4	13.0	28.9	88.4	19.84	17.3	213.1	23	55.6
ABRIL	16.2	26.6	20.9	14.5	29.6	82.5	20.21	17.6	21.5	9	
MAYO	16.5	26.6	20.6	14.5	31.2	82.6	20.00	17.5	142.3	17	108.2
JUNIO	15.6	26.9	20.3	13.0	30.0	79.8	18.85	16.5	45.2	14	
JULIO	15.5	26.9	20.2	14.0	30.0	82.0	19.26	16.8	75.9	18	128.0
AGOSTO	15.9	28.4	21.1	14.8	31.2	79.0	19.37	16.9	79.5	15	165.4
SEPTIEMBRE	16.2	27.6	20.8	15.0	30.0	82.6	20.15	17.6	130.9	27	123.8
OCTUBRE	16.3	26.9	20.5	14.2	30.0	83.5	20.15	17.6	119.0	18	122.1
NOVIEMBRE	16.5	26.2	20.6	14.8	28.4	86.0	20.86	18.1	163.6	18	
DICIEMBRE	15.3	25.8	19.8	12.0	26.5	83.5	19.27	16.8	163.4	12	
PROMEDIO	15.9	26.1	20.2	13.7	29.5	83.6	19.66	17.2			
TOTAL									1234.9	197	

ESTACION: MARACAY MUNICIPIO: QUIMBAYA AÑO: 1.9E 9

ALTITUD: 1.450 LATITUD: 4-36 N. LONGITUD: 75-46 W.

M E S – ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.6	24.5	18.9	86.8	19.27	16.9	84.7	1.0	85.7	1.5
2	16.0	23.0	19.6	88.3	19.87	17.4	2.0	0.0	2.0	0.2
3	16.4	26.0	19.3	86.7	19.71	17.3	19.3	0.0	19.3	3.4
4	16.8	24.0	19.5	88.1	19.95	17.5	0.3	6.3	6.6	1.8
5	16.5	24.1	18.8	86.7	18.86	16.6	0.0	0.0	0.0	2.2
6	15.0	26.0	20.3	82.6	19.38	16.9	7.5	0.0	7.5	4.2
7	16.8	26.4	20.6	82.3	19.69	17.2	0.0	5.4	5.4	3.7
8	15.8	26.4	20.1	82.4	19.17	16.8	0.0	0.0	0.0	4.8
9	17.3	27.0	19.8	82.2	19.07	16.7	2.9	0.3	3.2	6.7
10	16.0	23.5	18.2	88.7	19.08	16.7	9.3	0.0	9.3	1.0
11	14.5	23.6	19.1	87.4	19.17	16.8	0.0	0.0	0.0	2.5
12	15.3	26.8	21.0	81.6	19.86	17.4	0.0	0.0	0.0	6.4
13	14.5	23.4	18.8	90.6	19.90	17.4	1.3	3.0	4.3	1.8
14	15.8	26.5	19.4	84.3	19.01	16.7	11.9	0.0	11.9	4.2
15	16.5	26.8	19.6	83.0	19.10	16.8	5.4	0.0	5.4	5.3
16	15.5	27.0	20.2	81.4	19.33	16.9	4.8	0.0	4.8	6.2
17	17.0	26.9	20.5	84.7	20.32	17.8	4.7	0.0	4.7	4.3
18	16.5	27.6	21.8	79.2	20.58	17.9	0.0	0.0	0.0	5.7
19	16.0	27.4	20.5	81.6	19.94	17.5	0.0	0.0	0.0	6.6
20	15.8	27.7	20.4	84.0	20.26	17.7	0.6	0.0	0.6	5.4
21	16.0	27.3	20.3	84.6	20.27	17.7	7.0	0.0	7.0	4.0
22	15.4	26.8	20.4	83.2	20.08	17.6	28.1	0.0	28.1	6.6
23	16.1	27.4	20.4	84.6	20.29	17.7	18.6	0.0	18.6	5.1
24	16.0	27.0	21.7	80.3	20.40	17.8	19.7	0.0	19.7	7.0
25	16.5	25.0	19.9	86.5	20.28	17.7	0.0	0.0	0.0	0.7
26	16.4	28.0	20.5	84.3	20.30	17.7	1.3	0.0	1.3	4.2
27	17.0	23.8	19.8	88.6	20.30	17.7	0.8	3.5	4.3	0.9
28	16.5	24.0	19.8	88.0	20.24	17.7	0.0	23.5	23.5	0.9
29	17.0	27.3	20.9	83.9	20.37	17.8	10.9	3.8	14.7	5.7
30	18.0	25.8	20.4	87.8	21.08	18.3	0.0	0.2	0.2	2.5
31	17.5	25.0	19.6	85.3	19.67	17.2	0.9	0.0	0.9	2.3
PROM.	16.2	25.9	20.0	84.8	19.83	17.3	242.0	47.0	289.0	117.8

M E S – FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.6	24.6	18.7	89.1	19.30	16.9	10.2	0.0	10.2	1.4
2	15.5	26.5	19.9	82.5	18.94	16.6	0.0	0.0	0.0	3.8
3	17.0	26.0	20.3	84.0	19.72	17.3	0.0	23.1	23.1	2.7
4	15.4	25.0	18.9	86.2	18.49	16.2	0.0	14.0	14.0	2.1
5	16.4	25.7	20.0	83.9	19.61	17.2	0.0	0.0	0.0	2.5
6	14.8	27.5	19.5	84.0	18.91	16.6	9.1	0.0	9.1	6.7
7	16.0	26.5	20.3	81.2	19.10	16.8	0.0	0.0	0.0	4.4
8	15.8	27.4	20.1	83.3	19.82	17.4	11.5	0.1	11.6	3.5
9	16.5	25.3	20.3	89.0	20.94	18.2	2.2	2.2	4.4	1.0
10	17.0	26.5	20.2	83.6	19.78	17.3	5.2	18.5	23.7	2.7
11	16.8	23.8	19.1	88.3	19.78	17.3	64.5	0.2	64.7	1.8
12	15.8	27.2	21.2	79.6	19.35	16.9	0.3	0.0	0.3	6.1
13	14.8	26.0	19.6	84.5	18.95	16.6	0.6	0.0	0.6	3.9
14	14.5	27.3	20.4	80.6	18.84	16.5	0.0	39.4	39.4	4.2
15	16.5	26.6	20.7	82.4	19.78	17.3	0.0	1.1	1.1	5.7
16	17.5	28.0	21.3	78.6	19.59	17.2	0.0	10.4	10.4	7.9
17	16.4	24.8	19.1	89.0	19.59	17.2	5.5	0.0	5.5	4.4
18	14.5	27.5	20.2	74.8	17.51	15.4	0.0	0.0	0.0	6.1
19	14.4	27.4	20.6	77.5	18.35	16.1	0.0	0.0	0.0	5.8
20	15.8	27.0	20.5	83.6	19.72	17.3	0.0	0.0	0.0	1.0
21	17.0	25.8	20.5	85.8	20.72	18.1	0.4	0.0	0.4	2.7
22	16.4	26.0	20.0	84.6	19.61	17.2	1.0	9.7	10.7	2.5
23	17.3	25.2	18.1	95.0	20.09	17.6	14.1	0.0	14.1	0.5
24	13.4	26.8	19.2	82.5	18.05	15.8	0.7	0.0	0.7	6.5
25	15.5	26.0	18.9	83.2	18.42	16.2	9.9	31.0	40.9	4.8
26	16.0	25.8	20.0	87.8	20.90	18.2	6.9	0.1	7.0	2.9
27	16.3	28.0	20.8	82.0	19.96	17.5	1.0	0.0	1.0	6.6
28	17.0	27.9	20.8	84.4	20.68	18.0	11.7	0.0	11.7	5.9
PROM	16.0	26.4	20.0	84.0	19.45	17.0	154.8	149.8	304.6	110.1

ESTACION: MARACAY MUNICIPIO: QUIMBAYA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 4-36 N. LONGITUD: 75-46 W.

M E S — MARZO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	29.3	21.4	80.7	20.11	17.5	0.0	0.0	0.0	8.7
2	15.5	28.6	21.9	78.5	20.02	17.4	0.0	2.6	2.6	7.6
3	16.2	27.4	21.8	79.1	20.17	17.6	0.0	9.8	9.8	4.4
4	16.6	27.0	21.2	81.7	20.45	17.8	0.0	16.5	16.5	5.5
5	16.8	20.2	18.5	94.8	20.14	17.6	2.5	0.0	2.5	0.0
6	16.7	27.0	21.4	78.2	19.54	17.1	0.0	5.3	5.3	6.3
7	15.5	25.4	19.4	85.9	19.24	16.9	0.0	0.0	0.0	3.5
8	17.3	26.0	19.6	84.5	19.44	17.1	6.4	0.4	6.8	3.4
9	16.5	26.2	20.1	84.4	19.71	17.3	7.1	0.0	7.1	3.4
10	16.3	27.8	21.2	80.1	20.06	17.6	0.0	0.5	0.5	5.5
11	17.5	25.4	19.2	87.4	19.88	17.4	8.0	0.1	8.1	1.2
12	17.0	24.5	20.4	87.3	20.71	18.0	0.0	0.0	0.0	1.9
13	17.2	23.7	19.3	95.1	21.62	18.6	25.8	29.4	55.2	1.8
14	16.5	22.4	18.2	89.1	18.71	16.4	10.9	0.5	11.4	0.3
15	15.5	24.2	18.9	88.4	19.26	16.9	2.4	49.4	51.8	1.2
16	15.0	21.4	18.2	91.0	18.74	16.4	0.0	0.0	0.0	0.0
17	16.0	26.9	20.3	76.9	17.98	15.8	0.0	0.0	0.0	6.1
18	15.5	26.6	20.3	79.4	18.72	16.4	0.0	2.8	2.8	5.8
19	15.4	26.8	20.6	78.8	18.67	16.4	0.0	0.0	0.0	7.5
20	16.0	25.0	19.7	81.9	18.49	16.3	0.0	0.7	0.7	1.2
21	16.5	27.3	20.5	76.6	18.01	15.9	0.0	0.3	0.3	7.4
22	16.2	26.7	21.0	76.2	18.61	16.4	0.0	0.0	0.0	7.1
23	16.0	27.8	20.8	73.8	17.76	15.6	0.0	0.0	0.0	6.0
24	16.4	26.0	19.8	78.5	18.15	16.0	0.0	0.0	0.0	4.3
25	16.3	28.3	22.2	71.9	18.44	16.2	0.0	0.2	0.2	8.7
26	16.5	23.0	19.5	83.2	18.62	16.4	0.3	0.0	0.3	0.9
27	16.0	25.4	20.6	77.3	18.24	16.1	0.0	19.6	19.6	4.3
28	15.7	22.0	17.8	91.9	18.60	16.4	10.3	0.0	10.3	0.0
29	14.5	27.8	19.3	72.3	16.13	14.1	0.0	0.0	0.0	9.3
30	14.0	28.4	20.9	73.2	17.54	15.4	0.0	0.0	0.0	10.8
31	14.2	26.3	20.3	75.1	17.61	15.5	0.0	0.0	0.0	6.8
PROM.	16.0	25.8	20.1	81.7	19.01	16.7	73.7	138.1	211.8	140.9

M E S — ABRIL

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.5	26.5	19.4	83.7	18.95	16.6	0.3	5.6	5.9	3.1
2	16.4	25.8	20.5	81.1	19.29	16.9	21.1	0.0	21.1	3.9
3	16.0	22.0	19.0	92.3	20.55	17.9	4.9	0.0	4.9	0.0
4	14.5	26.4	21.1	81.2	19.82	17.3	0.0	5.2	5.2	5.5
5	17.0	25.5	20.7	83.6	20.29	17.7	0.0	0.0	0.0	1.4
6	15.5	27.4	20.2	82.3	19.34	17.0	0.0	0.0	0.0	3.3
7	15.8	28.3	21.2	80.9	20.06	17.5	0.1	0.0	0.1	5.4
8	17.8	27.3	22.0	78.0	20.52	17.9	0.0	0.1	0.1	4.7
9	17.0	24.7	19.8	89.4	21.10	18.3	13.7	0.0	13.7	0.6
10	16.5	26.8	20.1	84.4	19.92	17.5	1.2	0.0	1.2	4.3
11	15.0	27.0	21.9	77.3	20.10	17.9	0.0	0.0	0.0	4.8
12	17.0	25.5	20.7	85.4	20.80	18.1	0.0	0.0	0.0	0.0
13	17.5	27.5	22.6	80.5	21.56	18.7	0.0	0.0	0.0	3.7
14	17.8	23.8	19.9	91.2	21.29	18.5	0.4	0.0	0.4	0.0
15	16.3	25.5	19.6	85.9	19.87	17.4	2.7	0.0	2.7	1.8
16	15.7	27.0	21.7	79.0	20.30	17.7	0.0	0.0	0.0	4.5
17	17.6	29.0	22.8	77.2	21.00	18.3	0.0	0.0	0.0	9.5
18	16.0	26.5	21.9	72.6	19.37	17.0	0.0	0.0	0.0	3.2
19	16.7	26.7	22.0	77.7	20.32	17.8	0.0	0.0	0.0	3.7
20	16.5	27.4	22.2	78.6	20.82	18.1	0.0	0.0	0.0	4.7
21	16.7	28.6	22.3	82.1	22.11	19.1	4.2	0.2	4.4	7.9
22	17.5	28.8	22.3	80.0	21.29	18.5	0.0	0.0	0.0	7.4
23	17.8	28.0	22.6	81.7	22.21	19.1	0.5	3.6	4.1	5.4
24	18.5	23.7	20.4	87.1	21.12	18.4	2.4	0.0	2.4	1.3
25	15.0	27.2	20.3	81.8	19.75	17.3	12.5	0.0	12.5	6.9
26	16.6	26.4	21.3	83.3	21.25	18.4	1.2	31.3	32.5	2.5
27	17.0	27.4	20.8	80.5	19.55	17.2	0.0	16.3	16.3	8.6
28	17.4	26.6	21.2	79.9	19.76	17.2	0.0	0.0	0.0	4.2
29	17.5	26.4	20.8	84.2	20.68	18.0	1.9	7.9	9.8	2.1
30	15.8	24.0	19.9	86.9	19.99	17.4	0.0	0.0	0.0	2.0
PROM	16.6	26.5	21.0	82.3	20.43	17.8	67.1	70.2	137.3	116.4

ESTACION: MARACAY MUNICIPIO: QUIMBAYA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 4-36 N. LONGITUD: 75-46 W.

M E S - MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.5	24.8	19.4	85.1	19.56	17.2	97.9	37.0	134.9	1.4
2	15.2	25.5	20.1	87.5	20.34	17.7	0.0	0.0	0.0	4.6
3	16.0	26.2	19.8	82.3	19.17	16.8	5.3	2.2	7.5	2.3
4	16.2	26.8	19.7	76.3	17.89	15.7	3.2	0.0	3.2	2.9
5	15.0	25.0	21.0	76.0	19.08	16.7	0.1	3.6	3.7	4.0
6	16.8	25.5	20.1	88.4	20.76	18.1	0.2	4.8	5.0	2.0
7	16.5	24.6	19.7	88.3	20.63	18.0	1.1	5.2	6.3	2.1
8	17.0	23.6	19.0	90.4	19.96	17.5	0.4	3.9	4.3	2.3
9	16.0	25.3	18.9	87.7	19.16	16.8	0.2	0.0	0.2	3.1
10	16.2	21.5	18.1	95.8	19.94	17.4	3.4	0.0	3.4	0.6
11	14.0	25.5	18.9	85.6	18.57	16.3	0.0	0.0	0.0	5.7
12	17.0	25.2	19.2	85.0	19.52	17.1	15.8	10.7	26.5	3.2
13	16.0	24.3	17.8	90.4	18.59	16.3	2.6	0.0	2.6	2.7
14	15.7	26.0	19.9	78.7	18.43	16.2	0.0	0.0	0.0	4.2
15	15.5	27.5	20.4	84.0	20.44	17.8	2.5	0.0	2.5	7.3
16	15.4	28.3	21.8	78.0	20.67	18.0	0.5	0.0	0.5	9.4
17	15.8	27.2	21.9	81.0	21.41	18.6	0.0	0.0	0.0	7.3
18	17.3	26.5	21.8	83.0	21.88	18.9	0.0	2.6	2.6	2.3
19	18.0	26.2	21.1	85.5	21.35	18.6	0.0	0.0	0.0	4.0
20	16.5	29.4	24.0	67.5	19.55	17.1	0.0	0.0	0.0	10.0
21	16.0	28.5	24.0	75.2	22.25	19.2	0.0	0.0	0.0	9.3
22	17.0	27.5	22.3	80.0	21.45	18.6	0.0	0.0	0.0	4.8
23	17.5	25.0	20.5	89.7	21.72	18.8	0.3	0.2	0.5	1.2
24	18.0	25.8	21.0	82.3	20.58	18.0	0.0	11.5	11.5	3.0
25	17.5	26.4	20.2	84.1	19.91	17.4	2.2	2.8	5.0	3.5
26	17.0	26.5	20.5	85.6	20.48	17.8	0.5	0.0	0.5	3.0
27	16.5	28.0	21.1	77.5	19.15	16.8	0.0	3.1	3.1	4.3
28	16.0	26.2	21.0	82.3	20.15	17.6	0.0	0.0	0.0	4.3
29	14.8	25.6	20.8	77.9	19.19	16.8	0.0	0.0	0.0	6.7
30	15.0	27.5	21.5	79.8	19.99	17.4	0.0	0.0	0.0	6.5
31	16.5	27.8	21.1	81.1	20.24	17.7	21.1	0.0	21.1	5.4
PROM.	16.2	26.1	20.5	83.0	20.06	17.5	157.3	87.6	244.9	133.4

M E S - JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.5	27.0	20.3	80.8	19.69	17.2	9.8	0.0	9.8	4.0
2	16.5	26.5	21.3	81.6	20.48	17.8	0.0	1.0	1.0	4.6
3	17.5	23.8	20.3	84.9	20.26	17.7	0.0	0.0	0.0	0.0
4	15.5	27.5	21.2	80.2	20.19	17.6	1.3	0.0	1.3	5.6
5	17.4	24.3	20.4	90.1	21.69	18.8	3.6	4.2	7.8	4.0
6	17.0	24.8	21.2	85.8	21.41	18.6	0.2	0.0	0.2	2.4
7	16.5	24.5	18.7	89.2	19.38	17.0	0.5	0.0	0.5	1.6
8	16.0	26.8	20.9	81.8	20.59	18.0	29.6	0.0	29.6	6.2
9	17.5	25.8	21.6	83.4	21.22	18.4	0.1	0.0	0.1	2.9
10	18.4	26.9	20.4	83.4	20.26	17.7	37.6	4.1	41.7	3.6
11	17.0	26.7	21.1	84.4	20.97	18.2	1.3	0.3	1.6	3.0
12	17.5	26.0	20.9	82.9	20.32	17.7	5.1	0.4	5.5	4.7
13	17.0	25.4	19.9	85.6	19.92	17.4	2.8	0.0	2.8	2.7
14	15.5	27.6	22.3	79.1	21.18	18.4	0.0	0.0	0.0	8.7
15	16.0	26.8	21.6	80.1	20.87	18.2	1.9	0.0	1.9	7.6
16	15.5	27.6	21.4	76.5	19.70	17.3	0.0	0.0	0.0	7.1
17	16.4	26.3	20.7	80.3	19.54	17.1	14.4	0.0	14.4	4.5
18	17.0	25.7	20.9	86.5	21.41	18.5	0.0	8.5	8.5	3.5
19	16.9	25.6	19.2	84.1	19.10	16.8	22.2	0.0	22.2	2.1
20	16.0	25.5	20.4	85.2	20.23	17.7	0.0	0.0	0.0	3.0
21	16.1	26.6	20.7	82.4	20.30	17.7	1.7	3.5	5.2	3.3
22	16.5	25.6	20.8	82.8	20.24	17.7	0.0	2.0	2.0	4.2
23	17.5	23.0	18.6	89.0	19.50	17.1	6.9	0.0	6.9	0.8
24	16.0	22.8	18.6	84.4	18.49	16.3	15.6	4.1	19.7	0.7
25	16.5	23.5	18.6	87.7	18.88	16.6	3.5	0.0	3.5	2.2
26	16.0	26.2	19.8	81.6	19.04	16.7	6.3	3.6	9.9	5.4
27	16.5	23.5	19.2	88.0	19.87	17.4	2.2	0.0	2.2	2.6
28	16.3	26.5	20.0	82.1	19.10	16.8	0.0	0.0	0.0	8.0
29	15.8	27.2	21.6	73.8	18.91	16.6	0.0	0.0	0.0	7.5
30	16.8	25.6	19.9	81.3	18.71	16.4	0.0	0.5	0.5	3.6
PROM	16.5	25.7	20.4	83.3	20.05	17.5	166.6	32.2	198.8	120.1

ESTACION: MARACAY MUNICIPIO: QUIMBAYA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 4-36 N. LONGITUD: 75-46 W.

M E S — JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	25.8	20.6	75.6	18.11	15.9	0.0	0.0	0.0	5.5
2	15.8	26.3	20.9	78.4	19.18	16.8	1.0	0.0	1.0	5.8
3	14.8	28.4	21.9	73.4	19.22	16.9	0.0	0.0	0.0	9.8
4	14.3	27.3	21.5	74.3	18.97	16.6	0.0	0.0	0.0	8.0
5	16.2	26.2	20.0	84.7	19.73	17.3	0.1	0.6	0.7	4.3
6	15.6	26.8	22.0	64.2	15.56	13.5	0.0	0.0	0.0	5.4
7	14.8	26.4	20.3	80.6	18.84	16.5	0.0	0.0	0.0	8.0
8	16.4	26.5	19.7	81.1	19.03	16.7	8.2	0.0	8.2	6.3
9	15.0	25.6	20.4	81.4	19.33	17.0	0.0	0.0	0.0	6.4
10	14.5	28.1	22.5	59.5	15.69	13.4	0.0	0.0	0.0	10.0
11	12.5	27.4	20.7	78.5	19.18	16.8	0.0	0.0	0.0	7.5
12	14.5	29.2	22.8	58.5	14.51	12.4	0.0	0.0	0.0	10.4
13	15.5	30.2	23.3	59.2	15.40	13.3	0.0	0.0	0.0	10.1
14	15.0	29.6	23.1	63.4	17.04	14.8	0.0	0.0	0.0	8.5
15	16.6	30.8	24.4	56.7	15.66	13.6	0.0	0.0	0.0	10.7
16	17.0	28.3	22.6	64.4	17.01	14.9	0.0	0.0	0.0	3.1
17	15.0	27.0	21.8	73.2	18.37	16.1	0.0	0.0	0.0	7.0
18	14.0	26.3	21.7	74.7	19.23	16.7	0.0	0.0	0.0	6.9
19	16.5	28.5	20.7	84.5	20.77	18.1	19.6	0.0	19.6	6.3
20	17.5	25.0	19.5	87.3	19.94	17.4	1.0	0.0	1.0	1.1
21	15.5	23.8	19.8	85.5	19.44	17.0	0.0	3.2	3.2	0.6
22	15.8	24.5	19.5	88.8	20.30	17.7	2.0	0.0	2.0	1.3
23	15.5	25.7	19.9	83.0	19.23	16.8	14.2	0.0	14.2	3.3
24	16.5	26.6	20.5	82.1	19.34	16.9	0.0	3.7	3.7	2.0
25	16.0	25.2	20.7	85.1	20.56	17.9	0.4	4.2	4.6	2.7
26	15.6	23.4	19.4	87.4	19.44	17.0	5.8	0.1	5.9	2.5
27	17.5	26.8	21.0	82.6	20.21	17.6	1.8	0.0	1.8	5.9
28	15.8	27.3	21.3	79.2	19.82	17.3	0.0	0.0	0.0	6.3
29	16.5	27.5	21.3	79.7	20.09	17.6	0.0	2.0	2.0	6.2
30	15.5	28.3	21.3	76.4	18.98	16.6	0.0	0.0	0.0	9.1
31	17.6	28.2	21.4	83.9	21.13	18.3	3.2	0.0	3.2	5.8
PROM.	15.7	27.0	21.2	76.4	18.69	16.3	57.3	13.8	71.1	186.8

M E S — AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.5	28.0	21.6	83.1	21.36	18.5	0.0	0.0	0.0	4.7
2	15.5	27.0	21.3	80.8	20.24	17.6	0.0	0.0	0.0	6.4
3	15.0	27.8	21.3	74.8	18.85	16.5	0.0	0.0	0.0	8.1
4	14.5	28.0	21.1	73.5	18.29	16.1	0.0	0.0	0.0	9.6
5	15.0	27.5	21.0	82.4	20.27	17.7	0.0	1.0	1.0	4.7
6	16.8	28.7	21.8	67.0	16.83	14.6	0.0	0.0	0.0	6.9
7	14.5	29.0	22.3	72.6	18.96	16.6	0.0	0.0	0.0	10.7
8	16.4	28.5	21.3	79.2	19.86	17.4	0.0	0.0	0.0	6.9
9	15.5	28.0	20.1	80.6	18.95	16.6	6.5	0.0	6.5	4.3
10	16.0	26.8	20.7	81.7	19.79	17.3	0.0	0.0	0.0	6.5
11	16.5	26.9	20.0	82.6	19.48	17.1	0.0	0.0	0.0	3.5
12	14.5	27.6	21.2	79.4	19.40	16.9	0.0	0.0	0.0	5.4
13	17.0	26.4	21.3	83.5	21.41	18.6	0.0	0.0	0.0	2.8
14	15.5	27.2	21.7	80.0	20.17	17.6	0.1	0.1	0.2	5.7
15	17.5	27.4	21.6	82.3	20.91	18.2	0.0	0.0	0.0	5.5
16	18.0	25.3	20.4	82.4	20.13	17.6	0.0	0.0	0.0	0.0
17	15.5	29.4	22.9	69.0	18.68	16.4	0.0	0.0	0.0	7.9
18	15.0	30.5	22.8	75.4	20.05	17.5	0.0	0.0	0.0	8.8
19	16.0	28.5	20.3	79.7	19.08	16.7	1.3	2.0	3.3	3.1
20	17.0	25.6	19.8	86.2	20.20	17.6	0.8	0.0	0.8	4.4
21	16.0	26.3	20.0	83.0	19.88	17.4	0.0	28.7	28.7	6.1
22	16.3	25.5	20.6	84.8	20.39	17.8	0.0	0.0	0.0	3.4
23	16.5	24.7	18.7	88.1	19.71	17.2	0.7	0.4	1.1	2.2
24	15.8	27.8	19.9	83.2	19.10	16.8	0.2	0.0	0.2	7.7
25	15.5	27.6	22.3	73.6	19.13	16.6	0.0	33.7	33.7	5.7
26	16.4	26.8	20.4	83.0	19.87	17.4	0.0	0.0	0.0	6.4
27	17.3	26.7	21.4	82.5	20.87	18.2	0.0	0.0	0.0	5.9
28	16.5	27.0	20.2	82.8	19.88	17.4	4.5	19.0	23.5	4.2
29	16.4	23.0	19.1	93.5	20.70	18.1	6.4	39.8	46.2	1.0
30	15.5	25.4	20.1	84.9	19.60	17.1	0.0	0.3	0.3	3.6
31	15.0	25.0	20.3	84.4	19.91	17.4	3.8	0.0	3.8	2.6
PROM	16.0	27.1	20.9	80.6	19.74	17.2	24.3	125.0	149.3	164.7

ESTACION: MARACAY MUNICIPIO: QUIMBAYA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 4-36 N. LONGITUD: 75-46 W.

M E S - SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.0	28.5	21.3	80.9	20.22	17.7	0.0	0.0	0.0	7.2
2	16.0	27.6	20.1	85.2	20.43	17.8	13.3	0.0	13.3	4.2
3	15.0	28.4	21.3	80.3	20.40	17.8	0.0	37.3	37.3	6.2
4	17.0	27.0	21.3	83.1	20.56	17.9	1.1	22.1	23.2	5.3
5	16.5	22.0	19.1	88.7	19.63	17.2	0.7	3.1	3.8	0.4
6	16.8	25.5	20.0	89.3	20.73	18.1	0.0	0.0	0.0	2.0
7	17.0	26.0	20.2	86.1	20.59	18.0	1.0	0.0	1.0	2.4
8	16.2	25.0	20.2	84.2	20.43	17.8	9.0	0.0	9.0	4.1
9	17.0	26.0	20.2	86.7	20.66	18.0	0.0	1.0	1.0	4.5
10	16.0	26.4	20.6	87.8	20.95	18.2	0.0	0.0	0.0	2.9
11	15.5	26.0	19.8	85.7	19.61	17.2	0.0	8.5	8.5	2.9
12	16.2	26.3	20.7	81.0	19.52	17.1	0.0	1.0	1.0	5.3
13	16.6	25.7	20.6	80.2	19.28	16.9	0.0	0.0	0.0	5.9
14	16.4	26.0	21.5	77.2	19.41	17.0	0.0	0.0	0.0	4.2
15	14.5	29.4	19.8	84.1	19.25	16.8	13.6	0.0	13.6	8.8
16	16.4	29.2	22.1	76.9	19.71	17.2	0.0	0.0	0.0	7.4
17	15.6	27.5	20.8	80.0	19.58	17.1	1.8	0.6	2.4	5.3
18	17.0	24.6	19.7	89.0	20.55	17.9	17.5	0.0	17.5	2.3
19	14.5	26.3	19.7	83.8	19.37	17.0	0.0	0.0	0.0	5.3
20	17.0	22.8	18.8	94.7	20.76	18.0	7.8	0.0	7.8	0.3
21	16.8	23.5	19.5	88.7	20.16	17.6	0.6	24.5	25.1	1.8
22	16.0	24.0	18.3	90.3	19.09	16.8	1.6	0.1	1.7	0.8
23	14.6	25.8	20.4	85.5	20.31	17.7	0.0	0.0	0.0	3.3
24	16.5	26.5	20.6	82.9	20.22	17.7	0.0	0.0	0.0	5.8
25	17.0	25.5	19.8	92.5	21.47	18.6	1.7	13.0	14.7	5.2
26	16.0	23.8	19.6	87.6	19.93	17.4	0.1	0.0	0.1	2.3
27	15.0	24.3	19.4	86.1	19.40	17.0	0.0	0.0	0.0	1.4
28	16.5	20.6	17.1	94.6	18.63	16.4	11.0	1.9	12.9	0.0
29	15.0	26.4	20.1	83.9	19.51	17.1	0.0	0.0	0.0	5.4
30	16.2	26.8	20.3	86.4	20.93	18.2	0.1	0.0	0.1	4.3
PROM.	16.1	25.8	20.1	85.4	20.04	17.5	80.9	113.1	194.0	117.2

M E S - OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.8	26.7	21.4	81.3	20.80	18.1	4.6	1.1	5.7	6.5
2	16.8	25.5	20.3	86.8	20.71	18.0	7.6	0.3	7.9	3.6
3	17.0	25.8	20.9	85.1	20.91	18.2	0.0	0.3	0.3	3.7
4	16.5	25.5	19.0	86.5	19.28	16.9	5.5	0.7	6.2	2.2
5	14.8	25.6	19.2	87.7	19.70	17.2	4.4	0.0	4.4	3.1
6	14.4	28.2	20.9	81.0	19.53	17.1	1.2	1.6	2.8	6.9
7	17.0	28.0	20.7	81.0	19.90	17.4	0.3	0.0	0.3	7.6
8	16.0	26.2	20.3	84.9	20.54	17.9	1.5	0.0	1.5	2.8
9	17.5	26.4	20.3	87.2	21.15	18.4	0.3	0.0	0.3	3.5
10	15.8	25.8	19.3	86.6	19.92	17.4	36.1	28.3	64.4	2.8
11	15.4	22.8	18.4	90.5	19.01	16.7	5.9	5.9	11.8	1.9
12	15.0	23.8	19.3	85.9	19.16	16.8	0.0	0.0	0.0	1.6
13	16.0	24.2	18.8	93.1	20.37	17.8	4.4	13.5	17.9	3.9
14	16.2	24.4	20.0	87.8	20.51	17.9	0.0	0.0	0.0	1.9
15	17.0	23.5	18.2	95.2	20.22	17.7	22.7	0.0	22.7	0.7
16	15.0	26.5	20.2	86.3	20.17	17.6	0.2	0.2	0.4	5.3
17	17.5	25.4	20.2	84.9	20.07	17.5	0.2	2.8	3.0	0.8
18	15.8	26.7	20.8	86.2	20.88	18.1	0.0	5.2	5.2	5.0
19	17.2	27.8	20.1	86.8	20.54	17.9	0.5	0.0	0.5	5.3
20	15.3	26.5	21.4	78.2	20.04	17.5	0.2	0.5	0.7	5.9
21	16.4	26.7	20.3	85.5	20.75	18.1	17.7	2.2	19.9	3.6
22	16.5	26.2	20.5	82.0	19.95	17.5	0.2	12.7	12.9	4.3
23	17.4	25.0	19.3	89.4	20.41	17.8	18.2	2.2	20.4	3.4
24	17.2	25.5	19.2	95.5	21.35	18.5	3.9	0.9	4.8	2.3
25	16.8	23.4	18.4	97.3	20.55	17.9	33.6	1.1	34.7	1.1
26	16.5	25.0	20.7	87.3	21.49	18.6	0.1	0.0	0.1	2.4
27	17.8	24.6	19.8	94.0	21.77	18.8	27.4	0.5	27.9	2.2
28	18.0	24.2	19.9	89.0	20.88	18.2	6.6	0.0	6.6	0.3
29	15.7	27.4	21.0	80.6	19.84	17.4	0.0	5.2	5.2	3.4
30	17.0	27.0	19.3	84.6	19.30	16.9	34.7	24.7	59.4	4.7
31	15.5	26.8	20.9	81.8	19.89	17.4	0.0	27.3	27.3	5.3
PROM	16.3	25.7	20.0	86.8	20.31	17.7	238.0	137.2	375.2	108.0

ESTACION: MARACAY MUNICIPIO: QUIMBAYA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 4-36 N. LONGITUD: 75-46 W.

M E S - NOVIEMBRE

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.4	24.4	19.7	87.7	19.96	17.5	6.3	0.0	6.3	2.5
2	15.3	25.0	20.6	86.9	21.30	18.5	0.0	0.0	0.0	3.0
3	17.0	27.2	20.7	87.3	21.46	18.6	17.6	35.7	53.3	3.9
4	17.2	23.5	18.7	89.6	19.71	17.3	16.4	0.0	16.4	1.2
5	14.5	27.0	20.5	81.4	19.82	17.4	0.0	0.0	0.0	6.0
6	16.9	27.8	21.8	84.2	21.87	18.9	0.0	14.2	14.2	6.7
7	16.4	25.5	19.8	86.1	19.85	17.4	0.3	1.9	2.2	3.1
8	17.0	25.8	20.5	79.7	19.38	17.0	0.0	0.0	0.0	3.2
9	17.0	27.8	21.6	79.3	20.29	17.7	0.0	0.0	0.0	7.3
10	17.2	26.4	20.1	84.0	19.79	17.3	1.3	48.7	50.0	3.4
11	16.2	22.5	18.7	80.5	17.16	15.1	0.4	0.0	0.4	0.0
12	15.8	25.5	20.2	82.7	19.20	16.8	0.2	0.0	0.2	3.6
13	16.7	26.0	20.8	82.4	20.15	17.6	0.1	0.7	0.8	2.0
14	16.0	27.0	21.0	82.0	20.16	17.6	0.0	2.6	2.6	5.4
15	17.0	28.5	20.1	85.2	20.24	17.7	18.9	1.1	20.0	6.3
16	17.0	28.4	22.2	83.1	22.34	19.3	3.5	22.0	25.5	5.5
17	17.4	24.8	20.3	87.6	20.73	18.0	0.4	0.0	0.4	2.1
18	16.9	28.0	21.6	81.7	20.73	18.0	0.0	0.0	0.0	3.7
19	17.3	27.8	22.3	81.8	21.93	19.0	0.0	0.0	0.0	4.9
20	18.0	28.0	21.8	81.3	21.77	18.9	11.2	1.1	12.3	5.9
21	17.0	23.6	19.3	91.0	20.80	18.1	2.4	0.0	2.4	0.4
22	15.5	25.4	20.8	83.2	20.47	17.8	0.0	0.0	0.0	4.4
23	16.6	28.0	22.2	83.6	22.05	19.0	0.0	0.0	0.0	4.3
24	17.6	25.2	20.5	85.7	21.05	18.3	11.4	0.0	11.4	2.3
25	15.5	27.2	20.7	82.1	19.74	17.2	0.0	0.0	0.0	2.9
26	16.5	28.0	21.1	85.7	21.52	18.6	0.0	0.0	0.0	5.2
27	16.4	28.5	21.3	80.4	20.69	18.0	0.4	0.0	0.4	6.4
28	16.6	28.2	21.5	82.3	21.64	18.7	0.0	0.0	0.0	3.7
29	18.0	26.2	20.6	86.6	21.12	18.4	9.3	31.9	41.2	1.1
30	17.5	25.0	21.1	88.7	21.84	18.9	0.0	4.2	4.2	1.2
PROM.	16.7	26.4	20.7	84.1	20.63	18.0	100.1	164.1	264.2	111.6

M E S - DICIEMBRE

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	25.8	20.7	82.0	20.05	17.6	0.0	37.2	37.2	3.5
2	16.5	23.0	18.7	86.8	18.97	16.7	0.6	0.0	0.6	7.8
3	15.9	27.4	19.4	82.8	18.73	16.9	3.0	3.4	6.4	
4	17.4	23.9	19.0	87.9	19.63	17.2	6.6	1.9	8.5	0.8
5	15.8	26.4	19.4	88.2	19.97	17.5	2.3	0.0	2.3	3.2
6	16.3	26.5	20.4	87.5	21.02	18.3	0.2	0.0	0.2	3.9
7	17.4	27.5	21.7	81.1	20.96	18.2	0.0	0.0	0.0	6.9
8	16.5	27.6	21.7	80.4	20.69	18.0	0.0	0.0	0.0	5.5
9	17.6	26.8	22.0	83.4	22.13	19.1	0.0	19.4	19.4	4.5
10	16.4	24.5	20.3	87.9	20.76	18.1	0.0	0.0	0.0	0.4
11	17.0	26.4	20.1	87.7	21.03	18.3	1.3	0.1	1.4	3.5
12	17.2	26.2	20.6	83.8	20.68	18.1	14.6	0.0	14.6	2.9
13	17.8	26.4	21.0	87.6	21.83	18.9	0.0	0.0	0.0	2.5
14	17.5	25.5	20.5	86.1	21.13	18.4	0.0	0.0	0.0	0.0
15	17.0	28.5	20.9	77.9	19.14	16.7	0.0	0.0	0.0	5.1
16	15.0	25.6	19.9	79.5	18.70	16.4	0.0	0.0	0.0	3.7
17	14.5	28.0	21.9	79.3	20.59	17.9	0.0	0.0	0.0	6.3
18	15.4	28.5	20.9	81.9	19.95	17.4	0.0	0.0	0.0	6.4
19	14.5	27.6	21.2	77.7	19.65	17.2	0.0	0.0	0.0	5.5
20	15.5	28.0	20.9	76.9	18.69	16.4	0.0	0.0	0.0	6.1
21	16.0	28.8	20.4	81.5	19.72	17.2	1.3	0.0	1.3	6.3
22	15.8	29.0	21.1	76.0	19.04	16.7	0.0	0.0	0.0	7.4
23	16.5	27.0	21.1	82.9	20.43	17.8	0.0	0.0	0.0	3.7
24	16.0	24.7	18.7	94.8	20.61	17.9	14.4	0.1	14.5	1.3
25	16.3	25.4	19.7	93.3	21.56	18.6	1.4	6.8	8.2	1.4
26	16.8	25.7	21.0	85.1	20.96	18.2	1.1	10.6	11.7	3.6
27	17.5	24.2	19.8	89.2	20.59	18.0	0.4	3.1	3.5	0.2
28	17.0	24.0	19.6	87.5	20.16	17.6	0.0	0.5	0.5	1.1
29	16.4	26.6	20.1	81.2	19.16	16.8	0.0	0.0	0.0	7.1
30	16.0	27.8	21.1	76.4	18.97	16.7	0.0	0.0	0.0	6.6
31	15.8	26.6	20.6	83.1	20.16	17.6	5.2	1.7	6.9	5.1
PROM	16.4	26.4	20.5	83.8	20.18	17.6	52.4	84.8	137.2	

ESTACION: MARACAY MUNICIPIO: QUIBAYA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 4-36 N. LONGITUD: 75-46 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	16.2	25.9	20.0	14.5	28.0	84.8	19.83	17.3	289.0	24	117.8
FEBRERO	16.0	26.4	20.0	13.4	28.0	84.0	19.45	17.0	304.6	22	110.1
MARZO	16.0	25.8	20.1	14.0	29.3	81.7	19.01	16.7	211.8	19	140.9
ABRIL	16.6	26.5	21.0	14.5	29.0	82.3	20.43	17.8	137.3	17	116.4
MAYO	16.2	26.1	20.5	14.0	29.4	83.0	20.06	17.5	244.9	20	133.4
JUNIO	16.5	25.7	20.4	14.5	27.6	83.3	20.05	17.5	198.8	24	120.1
JULIO	15.7	27.0	21.2	12.5	30.8	76.4	18.69	16.3	71.1	14	186.8
AGOSTO	16.0	27.1	20.9	14.5	30.5	80.6	19.74	17.2	149.3	13	164.7
SEPTIEMBRE	16.1	25.8	20.1	14.5	29.4	85.4	20.04	17.5	194.0	19	117.2
OCTUBRE	16.3	25.7	20.0	14.4	28.2	86.8	20.31	17.7	375.2	29	108.0
NOVIEMBRE	16.7	26.4	20.7	14.5	28.5	84.1	20.63	18.0	264.2	19	111.6
DICIEMBRE	16.4	26.4	20.5	14.5	29.0	83.8	20.18	17.6	137.2	16	
PROMEDIO	16.2	26.2	20.5	14.2	29.0	83.0	19.87	17.3			
TOTAL									2577.4	236	

ESTACION: EL AGRADO **MUNICIPIO:** MONTENEGRO **AÑO:** 1.989

ALTITUD: 1.350 **LATITUD:** 4-28 N. **LONGITUD:** 75-49 W.

M E S – ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.5	25.0	18.5	88.8	19.25	16.5	9.5	0.0	9.5	2.1
2	16.0	25.4	19.6	84.2	19.18	16.8	1.1	0.0	1.1	0.6
3	16.1	26.7	19.5	83.9	19.18	16.9	0.0	0.0	0.0	3.6
4	17.0	25.1	20.3	85.3	20.27	17.7	0.5	12.8	13.3	1.6
5	16.8	25.0	20.3	82.6	19.51	17.1	0.0	0.0	0.0	2.5
6	15.0	26.5	21.0	84.3	20.66	18.0	0.1	0.0	0.1	4.6
7	16.5	27.5	20.8	83.7	20.56	17.9	0.2	3.9	4.1	4.5
8	15.8	27.0	20.0	84.3	19.58	17.2	0.0	0.0	0.0	4.8
9	17.0	28.2	19.8	79.7	18.68	16.4	0.5	0.2	0.7	6.6
10	16.2	24.4	18.9	86.4	19.03	16.7	11.8	0.0	11.8	0.5
11	14.8	24.0	19.5	85.8	19.32	16.9	0.0	0.0	0.0	1.4
12	15.0	28.0	21.3	79.2	19.62	17.2	0.0	0.0	0.0	6.2
13	16.8	25.5	18.8	88.9	19.59	17.2	12.3	2.4	14.7	2.8
14	15.0	26.4	20.3	84.4	19.69	17.2	0.0	0.0	0.0	4.4
15	16.2	28.0	20.0	84.6	19.81	17.4	0.8	0.0	0.8	4.6
16	13.8	28.5	19.9	83.0	18.92	16.5	1.7	0.0	1.7	6.0
17	16.8	28.0	22.3	81.1	21.38	18.5	0.0	0.0	0.0	4.0
18	17.0	29.2	22.4	78.8	20.87	18.2	0.0	0.0	0.0	6.7
19	16.5	29.0	20.4	81.2	19.50	17.1	2.2	0.0	2.2	6.3
20	15.0	29.8	21.2	82.9	20.69	18.0	3.1	0.2	3.3	7.5
21	15.2	28.0	19.9	84.8	19.76	17.3	1.8	0.0	1.8	4.9
22	15.4	27.8	20.9	83.8	20.49	17.9	2.4	0.0	2.4	5.7
23	16.0	28.0	20.6	83.6	20.31	17.7	3.8	0.0	3.8	5.1
24	15.6	28.0	22.0	80.2	20.82	18.1	0.0	0.0	0.0	5.5
25	17.0	26.6	20.9	81.4	19.94	17.4	0.0	0.0	0.0	0.5
26	16.4	28.5	20.5	83.8	19.92	17.4	19.3	19.8	39.1	4.1
27	17.0	25.0	19.5	87.8	19.92	17.5	0.0	9.4	9.4	0.6
28	16.8	24.0	19.8	88.3	20.33	17.8	0.5	0.0	0.5	0.3
29	16.9	28.0	20.2	85.8	20.27	17.7	0.3	0.0	0.3	6.2
30	17.2	27.5	21.1	85.3	21.09	18.3	0.0	9.1	9.1	2.9
31	17.0	27.0	20.4	83.8	20.07	17.6	0.0	0.0	0.0	3.3
PROM.	16.1	27.0	20.3	83.9	19.94	17.4	71.9	57.8	129.7	120.4

M E S – FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.1	24.8	19.6	86.8	19.78	17.4	0.0	0.0	0.0	0.3
2	16.0	28.2	21.2	77.8	19.16	16.8	0.0	1.0	1.0	3.3
3	17.2	26.2	20.6	83.6	20.04	17.6	0.0	4.2	4.2	2.7
4	15.5	25.0	20.0	82.0	18.74	16.5	0.0	0.0	0.0	2.9
5	15.0	25.5	19.6	84.0	18.84	16.5	0.0	0.0	0.0	1.8
6	13.9	29.2	19.9	82.0	18.64	16.4	4.1	0.0	4.1	8.1
7	16.0	28.6	21.4	83.1	20.77	18.1	0.0	0.0	0.0	4.9
8	15.8	29.2	19.9	79.6	18.47	16.3	5.3	0.0	5.3	4.7
9	17.0	26.5	20.2	87.9	20.54	17.9	0.2	0.4	0.6	1.8
10	17.4	27.2	21.3	84.0	20.98	18.2	0.6	36.6	37.2	2.8
11	17.0	24.5	19.5	87.8	20.24	17.7	0.9	0.0	0.9	1.3
12	16.0	28.5	21.6	78.7	19.61	17.2	0.0	0.0	0.0	7.1
13	15.0	27.0	20.7	81.2	19.32	16.9	0.0	0.0	0.0	4.3
14	14.0	28.0	20.7	78.0	18.41	16.2	0.3	42.6	42.9	5.7
15	15.8	28.5	21.6	79.0	19.99	17.5	0.0	0.0	0.0	6.0
16	17.0	28.4	21.6	78.7	20.00	17.5	0.0	0.0	0.0	8.4
17	16.0	25.5	19.8	82.4	18.84	16.5	0.8	0.0	0.8	4.9
18	14.5	28.8	20.8	75.6	18.20	16.0	0.0	0.0	0.0	9.0
19	14.0	28.5	21.1	80.7	19.73	17.2	0.0	0.0	0.0	5.4
20	15.8	26.4	21.7	79.6	20.03	17.5	0.0	0.0	0.0	1.2
21	17.0	26.0	21.5	82.6	20.79	18.1	0.0	0.0	0.0	1.1
22	16.4	27.4	20.7	81.9	19.80	17.3	0.0	24.3	24.3	3.5
23	17.5	24.0	19.4	88.7	20.30	17.8	1.0	0.0	1.0	1.1
24	14.5	28.2	20.7	77.5	18.19	16.0	0.0	0.0	0.0	6.7
25	15.8	27.8	21.0	80.5	19.54	17.1	0.0	2.5	2.5	5.5
26	16.4	27.0	20.2	84.7	20.08	17.5	22.3	0.0	22.3	3.6
27	16.5	29.9	21.8	79.9	20.41	17.8	0.2	0.1	0.3	6.1
28	16.6	29.4	22.5	76.3	20.05	17.5	0.0	0.0	0.0	5.5
PROM	16.0	27.3	20.7	81.6	19.62	17.2	35.7	111.7	147.4	119.7

ESTACION: EL AGRADO MUNICIPIO: MONTENEGRO AÑO: 1.989

ALTITUD: 1.350 LATITUD: 4-28 N. LONGITUD: 75-49 W.

M E S - MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	30.8	22.9	76.3	20.61	18.0	0.0	0.0	0.0	9.6
2	16.8	30.0	22.9	74.8	20.00	17.5	0.0	23.1	23.1	7.7
3	16.0	28.0	21.8	80.3	20.38	17.8	0.0	0.0	0.0	4.2
4	17.0	28.2	21.3	84.9	21.24	18.4	0.0	47.5	47.5	2.5
5	16.0	21.0	18.8	93.3	20.21	17.6	3.6	0.2	3.8	0.0
6	16.4	29.0	21.9	78.5	20.09	17.5	3.4	0.2	3.6	5.3
7	16.2	27.2	20.0	81.9	19.03	16.7	6.1	0.9	7.0	4.3
8	17.2	28.8	20.3	83.1	19.88	17.4	20.1	0.0	20.1	5.8
9	16.5	27.8	20.5	82.6	19.74	17.3	2.0	0.0	2.0	5.5
10	16.2	29.4	21.1	81.2	20.02	17.6	0.0	6.9	6.9	6.0
11	17.4	27.4	19.3	86.9	19.96	17.5	23.5	0.0	23.5	1.6
12	16.8	25.5	21.0	83.8	20.43	17.8	0.0	0.0	0.0	2.5
13	17.5	26.5	21.2	82.5	20.49	17.9	9.7	0.4	10.1	2.1
14	17.4	23.5	19.0	89.6	19.98	17.5	20.6	2.5	23.1	0.0
15	16.3	25.3	19.8	85.5	19.62	17.2	0.0	14.5	14.5	1.6
16	15.0	23.0	19.0	85.5	18.51	16.2	0.0	0.0	0.0	0.1
17	16.0	28.0	20.8	75.9	18.11	15.9	0.0	0.0	0.0	7.7
18	15.4	28.2	20.7	80.5	19.24	16.9	0.0	0.0	0.0	5.9
19	15.2	28.5	21.1	75.3	18.10	15.9	0.0	0.0	0.0	7.7
20	16.4	25.4	21.6	76.5	19.16	16.8	0.0	0.0	0.0	1.3
21	16.7	29.3	22.0	73.0	18.57	16.3	0.0	0.0	0.0	8.4
22	16.5	28.2	22.1	68.7	17.88	15.8	0.0	0.0	0.0	7.5
23	15.0	29.4	21.7	73.9	18.34	16.1	0.0	0.0	0.0	7.9
24	16.3	27.1	20.8	75.0	18.26	16.0	0.0	0.0	0.0	1.0
25	16.0	30.0	22.7	68.7	17.90	15.8	0.0	0.0	0.0	8.2
26	16.5	24.2	20.3	76.9	18.00	15.8	0.0	0.0	0.0	0.8
27	16.0	26.5	21.7	75.6	18.96	16.7	0.0	3.9	3.9	4.4
28	17.0	22.5	18.8	88.1	18.95	16.6	1.9	0.0	1.9	0.0
29	14.2	29.0	21.0	71.7	17.02	15.0	0.0	0.0	0.0	9.0
30	13.4	30.0	21.5	70.2	16.91	14.8	0.0	0.0	0.0	10.1
31	14.0	27.5	20.5	74.6	17.54	15.4	0.0	0.0	0.0	6.8
PROM.	16.1	27.3	20.9	79.2	19.13	16.8	90.9	100.1	191.0	145.5

M E S - ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.5	27.2	20.6	81.1	19.40	17.0	0.0	1.1	1.1	3.3
2	16.6	28.0	21.8	79.5	20.38	17.8	11.7	0.0	11.7	6.3
3	17.4	25.5	20.5	83.0	20.07	17.6	8.7	0.0	8.7	0.4
4	14.5	29.4	21.9	79.7	20.19	17.6	0.0	3.7	3.7	5.2
5	18.0	27.4	21.8	81.9	21.10	18.3	0.0	0.0	0.0	1.7
6	15.5	27.2	20.9	82.5	20.05	17.5	0.0	0.0	0.0	2.6
7	16.0	29.6	20.3	82.5	19.59	17.2	24.5	0.0	24.5	6.2
8	17.4	28.7	23.3	78.9	21.98	19.0	0.0	0.0	0.0	6.4
9	17.6	26.0	20.6	83.9	20.47	17.9	0.4	0.0	0.4	0.1
10	15.0	28.2	21.2	80.6	19.99	17.5	0.0	0.0	0.0	5.0
11	15.2	29.0	22.6	79.2	21.09	18.3	0.0	0.0	0.0	5.1
12	17.5	27.2	21.7	81.4	20.85	18.1	0.0	0.0	0.0	0.1
13	17.6	29.5	22.2	79.3	20.77	18.1	1.3	0.0	1.3	4.5
14	18.0	25.5	20.1	92.0	21.97	19.0	0.0	3.1	3.1	0.0
15	16.5	26.0	20.5	85.6	20.70	18.0	1.9	0.0	1.9	1.5
16	15.0	28.4	22.8	75.2	20.29	17.7	0.0	0.0	0.0	4.4
17	17.5	31.0	23.7	75.1	21.19	18.4	0.0	0.0	0.0	8.8
18	16.8	28.0	22.6	74.2	20.18	17.7	0.0	0.0	0.0	1.9
19	18.0	28.2	22.7	77.8	21.39	18.6	0.0	0.0	0.0	6.2
20	17.5	29.0	23.2	72.5	19.99	17.5	0.0	0.0	0.0	3.8
21	17.0	30.0	23.1	78.3	21.90	18.9	0.5	0.7	1.2	8.3
22	17.4	29.6	22.8	80.6	22.11	19.1	0.8	0.2	1.0	6.9
23	18.0	28.5	23.0	78.7	21.92	19.0	0.0	0.2	0.2	6.0
24	18.8	26.0	21.4	86.1	22.29	19.2	1.7	0.0	1.7	0.6
25	15.0	29.7	21.9	76.2	19.44	17.0	0.0	0.0	0.0	8.5
26	17.0	27.0	21.4	83.5	21.54	18.7	0.2	8.5	8.7	1.3
27	16.9	29.0	21.5	76.3	19.31	16.9	0.7	25.1	25.8	7.8
28	17.2	28.2	22.0	78.1	20.07	17.5	0.0	0.0	0.0	4.8
29	17.5	28.0	21.1	84.7	21.26	18.5	4.0	42.1	46.1	4.0
30	15.8	25.4	20.6	82.6	19.72	17.3	0.0	0.0	0.0	2.2
PROM	16.8	28.0	21.8	80.4	20.71	18.0	56.4	84.7	141.1	123.9

ESTACION: EL AGRADO MUNICIPIO: MONTENEGRO AÑO: 1.989

ALTITUD: 1.350 LATITUD: 4-28 N. LONGITUD: 75-49 W.

M E S - MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	26.2	19.9	86.7	20.40	17.8	11.9	22.3	34.2	0.0
2	16.1	26.0	21.1	82.3	20.19	17.6	0.8	0.0	0.8	3.8
3	16.5	27.5	22.2	76.3	19.67	17.3	0.0	0.5	0.5	2.8
4	16.4	27.4	20.3	79.4	18.71	16.5	1.0	0.0	1.0	6.0
5	14.7	26.4	21.6	80.3	20.42	17.8	0.0	3.4	3.4	3.0
6	17.0	26.2	20.6	86.6	20.73	18.0	0.0	2.5	2.5	1.4
7	17.6	27.0	20.1	82.9	19.59	17.2	27.6	1.0	28.6	3.0
8	16.5	24.8	19.2	90.7	20.21	17.7	6.3	2.8	9.1	2.6
9	17.0	27.0	20.2	83.4	19.66	17.3	0.0	0.0	0.0	1.8
10	15.2	22.2	19.4	90.5	20.31	17.7	3.1	0.0	3.1	1.0
11	14.0	26.5	20.2	82.2	19.11	16.8	0.0	0.0	0.0	4.5
12	16.8	27.0	20.1	78.6	18.95	16.7	4.3	8.1	12.4	3.2
13	15.8	24.8	19.5	85.0	19.11	16.8	1.9	0.0	1.9	2.7
14	14.8	26.8	19.7	81.5	18.73	16.5	0.0	0.0	0.0	3.9
15	17.2	28.8	20.9	78.3	19.57	17.2	11.4	0.0	11.4	7.4
16	15.7	29.7	23.1	75.1	20.74	18.1	0.0	0.0	0.0	8.8
17	15.5	28.5	23.1	75.2	21.03	18.3	0.0	0.0	0.0	6.1
18	18.5	27.8	22.4	78.2	21.36	18.6	0.0	0.0	0.0	0.7
19	18.0	27.0	22.1	80.6	21.43	18.6	0.0	0.0	0.0	2.6
20	16.4	30.5	24.2	74.4	22.00	19.0	0.0	0.0	0.0	9.6
21	15.6	29.5	23.6	78.2	22.19	19.1	0.0	0.0	0.0	4.6
22	17.4	29.2	23.4	76.2	21.45	18.6	0.0	0.0	0.0	5.0
23	18.5	26.5	21.5	81.4	20.89	18.2	0.0	0.0	0.0	0.5
24	18.0	26.5	21.5	81.6	20.84	18.2	2.2	3.1	5.3	2.3
25	17.5	26.0	20.6	83.0	20.16	17.6	0.1	4.7	4.8	1.9
26	17.4	27.8	21.2	82.2	20.43	17.8	0.3	0.0	0.3	3.1
27	15.6	28.8	22.3	76.3	20.20	17.6	0.0	0.0	0.0	4.9
28	15.8	26.5	21.4	81.3	20.33	17.7	0.4	14.6	15.0	1.4
29	14.5	28.5	21.4	79.6	20.14	17.6	0.0	0.0	0.0	6.7
30	14.8	29.4	22.5	76.2	20.14	17.6	0.0	0.0	0.0	7.4
31	16.0	29.2	22.4	79.9	21.62	18.7	0.0	0.9	0.9	5.3
PROM.	16.3	27.3	21.3	80.8	20.33	17.7	71.3	63.9	135.2	118.0

M E S - JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.5	29.0	20.3	80.5	19.73	17.2	6.0	0.0	6.0	4.3
2	16.5	27.2	21.4	79.1	19.53	17.0	0.9	0.9	1.8	5.1
3	17.8	24.0	20.1	88.3	20.86	18.2	0.5	0.0	0.5	0.5
4	15.0	28.0	21.2	80.5	20.07	17.5	0.0	0.0	0.0	5.9
5	17.4	27.0	21.1	82.8	20.59	17.9	5.6	0.7	6.3	3.2
6	18.0	26.9	22.5	77.9	21.01	18.3	0.0	11.4	11.4	4.0
7	17.2	24.7	19.9	89.7	20.89	18.2	0.6	0.0	0.6	2.0
8	15.8	28.4	22.0	78.9	20.60	18.0	0.0	1.6	1.6	5.6
9	18.0	27.4	21.9	81.8	21.32	18.5	0.5	0.0	0.5	3.9
10	18.5	28.6	21.5	78.9	20.35	17.8	0.0	0.4	0.4	5.0
11	17.0	28.2	22.2	81.5	21.42	18.6	4.4	18.5	22.9	
12	17.4	28.3	21.8	82.9	21.45	18.6	5.2	1.9	7.1	5.2
13	17.5	27.6	20.4	81.2	19.56	17.2	0.6	0.6	1.2	3.4
14	15.5	29.6	22.9	78.5	21.48	18.6	0.0	12.5	12.5	8.7
15	16.2	28.3	21.9	79.9	20.78	18.1	0.0	0.0	0.0	8.0
16	15.0	28.5	21.8	77.5	19.81	17.3	0.0	0.0	0.0	8.0
17	15.8	28.0	20.6	80.1	19.68	17.3	10.4	4.0	14.4	6.0
18	16.0	26.5	21.2	82.3	20.38	17.8	0.6	6.9	7.5	4.3
19	17.0	27.4	20.5	79.4	19.15	16.8	0.0	0.0	0.0	4.1
20	16.8	27.2	20.3	81.6	19.63	17.2	11.4	0.0	11.4	2.3
21	17.0	27.5	20.9	79.8	19.57	17.2	2.4	2.3	4.7	3.8
22	18.0	27.4	22.7	80.7	21.84	18.9	0.0	69.4	69.4	5.6
23	16.0	24.2	19.7	86.7	20.05	17.6	2.4	0.0	2.4	0.7
24	16.1	24.4	20.2	85.0	19.93	17.4	0.5	1.3	1.8	2.7
25	16.0	25.5	20.2	87.1	20.51	17.9	4.0	0.0	4.0	3.5
26	15.0	28.0	21.5	77.1	19.19	16.8	0.0	7.7	7.7	5.4
27	17.5	25.2	20.7	82.7	20.06	17.9	0.6	0.0	0.6	3.7
28	17.0	28.5	21.6	75.0	18.87	16.6	0.0	0.0	0.0	8.0
29	16.0	29.2	22.3	78.7	20.79	18.1	2.7	0.0	2.7	7.9
30	16.8	27.4	21.6	80.4	20.30	17.7	0.0	1.5	1.5	3.5
PROM	16.7	27.3	21.2	81.2	20.31	17.7	59.3	141.6	200.9	

ESTACION: EL AGRADO MUNICIPIO: MONTENEGRO AÑO: 1.989

ALTITUD: 1.350 LATITUD: 4-28 N. LONGITUD: 75-49 W.

M E S - JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.2	27.8	22.3	76.2	20.03	17.5	0.0	0.0	0.0	4.6
2	16.0	28.0	21.7	79.1	20.17	17.6	0.0	0.0	0.0	5.9
3	15.8	30.2	23.6	70.8	20.10	17.6	0.0	0.0	0.0	9.0
4	14.6	29.0	22.2	74.2	19.20	16.8	0.0	0.0	0.0	7.9
5	16.5	28.0	20.8	80.0	19.41	17.0	2.0	0.1	2.1	3.8
6	16.0	29.2	21.5	77.2	19.35	17.0	0.0	0.0	0.0	5.0
7	15.0	27.8	21.4	78.5	19.47	17.1	0.0	0.0	0.0	5.5
8	17.0	27.2	21.1	80.1	19.80	17.3	3.6	8.7	12.3	6.4
9	15.0	28.0	21.7	77.6	19.42	17.0	0.0	0.0	0.0	6.3
10	14.2	29.0	21.9	75.3	19.06	16.7	0.0	0.0	0.0	8.9
11	13.6	29.4	23.1	71.1	19.20	16.8	0.0	0.0	0.0	8.8
12	14.6	31.0	23.2	58.1	14.94	12.8	0.0	0.0	0.0	9.7
13	15.5	31.8	23.6	64.1	17.31	15.2	0.0	0.0	0.0	9.6
14	15.6	31.5	24.1	63.5	17.72	15.4	0.0	0.0	0.0	8.6
15	16.5	32.2	25.0	54.9	15.45	13.3	0.0	0.0	0.0	9.9
16	16.4	29.2	22.5	74.9	19.66	17.2	0.0	0.0	0.0	0.8
17	15.5	28.9	22.6	75.8	20.11	17.6	0.0	0.0	0.0	4.7
18	15.3	28.6	23.6	73.0	20.30	17.7	0.0	0.0	0.0	6.4
19	17.5	30.5	21.8	79.6	20.64	18.0	0.2	0.0	0.2	4.8
20	18.2	26.5	20.5	86.0	21.09	18.3	6.9	0.0	6.9	1.7
21	16.4	24.5	20.2	88.5	20.81	18.1	0.8	0.9	1.7	0.9
22	16.5	27.0	19.8	84.1	19.59	17.2	1.4	0.0	1.4	2.4
23	15.4	27.4	20.6	78.3	19.08	16.8	0.2	0.0	0.2	3.7
24	16.8	28.9	21.1	78.9	19.32	16.9	4.7	31.5	36.2	2.4
25	17.0	26.0	21.1	83.7	20.59	17.9	0.0	16.3	16.3	2.3
26	16.2	25.5	20.5	81.6	19.28	16.9	0.0	0.8	0.8	1.1
27	17.4	29.8	22.7	74.2	19.68	17.2	0.0	0.3	0.3	5.0
28	16.7	28.5	22.7	73.2	19.85	17.4	0.0	0.0	0.0	5.4
29	16.5	28.4	22.6	73.0	19.65	17.2	0.0	7.1	7.1	6.7
30	15.4	29.5	22.5	73.1	18.99	16.7	0.0	0.2	0.2	9.7
31	18.0	29.8	22.6	77.7	20.92	18.2	0.3	0.0	0.3	6.0
PROM.	16.1	28.7	22.1	75.4	19.36	16.9	20.1	65.9	86.0	173.9

M E S - AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	29.9	22.2	78.1	20.57	17.9	0.2	0.0	0.2	5.0
2	15.2	29.0	22.2	75.6	19.89	17.4	0.0	0.0	0.0	5.7
3	15.0	29.4	22.6	68.3	18.21	16.0	0.0	0.0	0.0	7.4
4	14.8	29.6	22.6	71.7	18.84	16.6	0.0	0.0	0.0	9.6
5	15.0	28.4	21.7	76.5	18.90	16.6	0.0	0.3	0.3	4.7
6	17.0	29.2	22.3	73.0	19.12	16.8	0.0	0.0	0.0	5.0
7	14.0	30.4	22.8	70.4	18.35	16.1	0.0	0.0	0.0	10.5
8	15.5	31.0	22.4	68.7	17.97	15.8	0.0	0.0	0.0	8.4
9	16.0	30.0	21.3	77.0	19.14	16.8	0.0	0.0	0.0	6.2
10	16.8	28.0	21.9	75.0	19.16	16.8	0.0	0.0	0.0	6.1
11	16.0	28.5	20.8	76.8	18.88	16.6	0.0	0.0	0.0	3.8
12	15.8	29.0	22.5	75.6	19.45	17.0	0.0	0.0	0.0	4.8
13	16.8	28.1	21.3	80.5	20.19	17.7	0.0	0.0	0.0	1.7
14	15.2	29.0	21.9	74.5	18.71	16.4	0.0	3.5	3.5	4.8
15	17.6	29.5	22.1	80.4	21.01	18.3	0.0	0.0	0.0	4.0
16	18.0	25.5	21.2	78.2	19.74	17.3	0.0	0.0	0.0	0.0
17	14.7	30.2	23.7	69.3	19.38	17.0	0.0	0.0	0.0	6.6
18	14.5	31.5	23.7	68.7	19.18	16.8	0.0	0.0	0.0	9.5
19	16.0	28.4	20.6	81.2	19.80	17.3	0.5	4.4	4.9	5.0
20	16.8	27.5	20.2	83.2	19.83	17.4	0.3	0.0	0.3	3.5
21	15.2	27.2	19.3	84.1	19.05	16.7	2.8	10.7	13.5	4.0
22	15.5	27.4	21.3	78.5	19.49	17.1	0.0	0.0	0.0	4.4
23	15.8	25.2	18.5	84.1	18.30	16.1	15.0	0.4	15.4	0.7
24	14.6	29.5	21.9	75.6	19.02	16.7	0.0	0.0	0.0	7.6
25	15.5	29.2	22.5	70.9	18.74	16.5	0.0	20.8	20.8	6.8
26	16.5	28.0	21.8	79.4	20.42	17.8	0.1	7.2	7.3	6.4
27	17.0	27.8	22.2	78.0	20.44	17.8	0.0	0.0	0.0	4.4
28	16.8	29.6	20.4	81.0	19.26	16.9	13.7	1.0	14.7	5.1
29	17.5	24.2	20.5	86.0	20.75	18.1	0.8	24.1	24.9	1.0
30	16.0	26.8	21.4	76.9	18.91	16.6	0.2	0.8	1.0	3.8
31	15.2	27.8	21.1	76.9	18.78	16.5	0.0	0.0	0.0	4.2
PROM	15.9	28.5	21.6	76.6	19.34	16.9	33.6	73.2	106.8	160.7

ESTACION: EL AGRADO MUNICIPIO: MONTENEGRO AÑO: 1.989

ALTITUD: 1.350 LATITUD: 4-28 N. LONGITUD: 75-49 W.

M E S – SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.0	29.4	22.7	74.9	20.15	17.6	0.0	0.0	0.0	8.1
2	17.0	29.8	20.5	81.7	19.83	17.4	4.1	0.0	4.1	6.8
3	14.5	30.0	20.5	78.4	18.94	16.6	0.0	32.8	32.8	6.7
4	17.0	28.0	22.1	76.3	19.44	17.0	0.4	44.5	45.3	5.9
5	16.0	24.5	19.9	84.3	19.61	17.2	0.7	1.9	2.6	0.9
6	17.0	24.8	20.5	84.5	20.20	17.7	0.0	0.0	0.0	1.4
7	17.3	27.0	20.6	80.9	19.47	17.1	0.2	0.0	0.2	2.3
8	16.0	27.2	20.3	80.7	19.46	17.1	15.9	0.0	15.9	4.9
9	16.8	26.2	20.5	84.1	20.36	17.8	0.8	0.0	0.8	3.4
10	16.0	27.4	21.9	80.9	20.89	18.2	0.0	0.0	0.0	3.9
11	16.5	27.0	20.9	82.2	20.34	17.8	6.7	25.8	32.5	3.5
12	17.0	28.5	22.0	78.2	20.20	17.7	0.2	6.1	6.3	5.1
13	17.8	26.5	21.8	77.5	19.94	17.4	2.6	0.0	2.6	5.0
14	16.5	28.5	22.0	77.8	20.01	17.5	0.0	0.0	0.0	4.4
15	14.0	30.2	22.5	75.1	19.46	17.1	0.0	0.0	0.0	9.2
16	16.5	29.5	23.1	73.1	19.97	17.4	0.0	0.0	0.0	6.7
17	15.8	30.0	21.5	80.4	20.40	17.8	0.7	1.3	2.0	6.1
18	17.8	27.0	21.1	81.9	20.54	17.9	1.8	0.9	2.7	2.9
19	15.5	28.5	20.2	81.9	19.18	16.8	0.2	0.2	0.4	6.9
20	16.8	25.0	20.4	86.1	20.69	18.0	9.0	0.0	9.0	0.3
21	17.0	26.5	20.7	80.3	19.74	17.3	16.3	36.5	52.8	2.7
22	16.0	25.0	19.0	86.2	19.09	16.8	11.4	0.4	11.8	0.5
23	14.2	27.0	20.9	78.5	18.90	16.6	0.0	0.0	0.0	4.7
24	16.0	27.8	21.3	79.5	19.89	17.4	0.0	0.0	0.0	4.8
25	16.4	26.5	21.5	76.5	19.36	17.0	0.0	30.8	30.8	3.9
26	16.5	25.5	20.5	83.1	19.71	17.2	0.8	0.0	0.8	3.6
27	16.0	26.5	20.3	80.4	18.92	16.6	0.0	0.0	0.0	1.8
28	17.0	21.0	17.9	90.1	18.73	16.5	5.1	0.7	5.8	0.0
29	15.0	27.9	20.9	80.6	19.39	17.0	0.0	0.0	0.0	6.9
30	16.5	28.2	20.7	79.1	19.27	16.9	3.1	0.0	3.1	5.1
PROM.	16.2	27.2	21.0	80.5	19.74	17.3	80.0	182.3	262.3	128.4

M E S – OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.0	28.0	21.9	75.6	19.48	17.1	0.0	0.8	0.8	4.0
2	16.8	26.2	20.2	88.2	21.30	18.5	8.0	18.1	26.1	2.9
3	17.0	27.8	21.5	79.0	19.84	17.4	0.0	0.9	0.9	4.7
4	16.8	26.8	20.3	81.7	19.42	17.0	0.6	5.7	6.3	3.2
5	15.5	27.0	19.9	80.9	18.89	16.6	0.0	0.0	0.0	4.4
6	15.0	29.8	21.8	76.8	19.13	16.7	0.0	0.8	0.8	8.2
7	17.4	28.8	22.3	75.4	19.96	17.5	0.0	0.0	0.0	7.3
8	16.5	27.0	20.3	81.2	19.65	17.2	15.2	0.0	15.2	2.5
9	17.5	26.8	20.6	87.7	21.52	18.6	0.0	0.0	0.0	2.7
10	15.4	26.5	19.4	84.4	19.22	16.9	40.6	19.3	59.9	2.9
11	15.6	24.0	19.4	85.7	19.10	16.8	3.5	3.2	6.7	3.1
12	16.0	25.0	20.3	85.3	20.29	17.7	0.2	0.0	0.2	2.2
13	16.5	26.5	18.7	87.0	18.75	16.5	8.9	15.2	24.1	3.9
14	17.0	27.2	20.4	82.4	19.56	17.1	0.4	17.7	18.1	2.7
15	17.0	24.2	19.5	87.0	20.20	17.6	1.7	0.0	1.7	0.6
16	15.0	28.4	20.3	83.9	19.83	17.3	4.5	0.1	4.6	5.6
17	17.5	26.2	20.6	82.5	20.20	17.7	0.2	1.0	1.2	1.0
18	15.5	27.2	21.5	81.3	20.42	17.8	0.0	5.2	5.2	3.5
19	17.4	28.2	21.4	82.4	20.70	18.0	0.0	0.0	0.0	4.8
20	15.0	28.3	21.9	80.0	20.89	18.2	0.0	0.0	0.0	6.3
21	17.0	27.2	20.2	82.4	19.91	17.4	7.3	5.5	12.8	3.0
22	16.5	29.5	21.1	81.5	20.24	17.7	2.3	5.6	7.9	5.5
23	17.0	27.0	20.2	84.2	19.99	17.5	17.0	8.6	25.6	3.4
24	17.5	26.5	20.6	86.4	21.18	18.4	0.0	0.0	0.0	3.3
25	18.0	25.0	19.6	85.7	19.62	17.2	2.2	2.3	4.5	1.8
26	17.0	26.4	21.1	81.9	20.28	17.7	1.0	0.0	1.0	2.1
27	16.8	26.3	21.2	82.2	20.92	18.2	0.0	2.5	2.5	2.8
28	18.0	26.0	20.6	85.2	20.82	18.1	0.9	0.0	0.9	0.9
29	15.0	27.8	21.7	78.5	19.93	17.4	0.0	0.8	0.8	4.0
30	17.0	30.1	20.7	82.2	20.52	17.9	31.9	19.1	51.0	6.1
31	15.6	28.8	22.4	75.3	19.55	17.1	7.1	20.8	27.9	6.2
PROM	16.4	27.1	20.7	82.4	20.04	17.5	153.5	153.2	306.7	115.6

ESTACION: EL AGRADO MUNICIPIO: MONTENEGRO AÑO: 1.969

ALTITUD: 1.350 LATITUD: 4-28 N. LONGITUD: 75-49 W.

M E S – NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	25.5	20.8	81.8	19.64	17.2	2.7	0.0	2.7	2.3
2	15.5	26.5	20.7	83.1	20.10	17.6	4.3	2.4	6.7	2.5
3	16.5	28.0	20.9	80.8	19.76	17.3	0.0	2.3	2.3	3.7
4	17.5	24.5	20.1	85.2	20.37	17.8	3.9	0.0	3.9	0.5
5	14.5	28.4	21.1	76.9	18.92	16.6	0.0	0.0	0.0	6.4
6	16.8	28.8	22.6	75.0	20.02	17.5	0.0	13.3	13.3	7.4
7	17.0	26.5	21.0	77.9	19.11	16.8	1.0	6.9	7.9	5.4
8	17.0	27.0	21.1	76.4	18.89	16.6	0.0	0.0	0.0	3.9
9	17.2	28.7	21.3	75.2	18.78	16.5	0.0	0.0	0.0	8.2
10	16.5	28.4	21.5	75.1	19.05	16.7	0.0	14.3	14.3	4.8
11	16.8	22.5	19.0	82.0	17.94	15.7	0.0	0.0	0.0	0.0
12	15.6	26.2	21.2	75.9	18.73	16.5	0.0	0.0	0.0	3.6
13	16.5	26.5	20.7	82.6	20.21	17.7	0.0	1.4	1.4	1.7
14	16.4	28.8	22.0	79.1	20.56	17.9	0.0	0.0	0.0	7.4
15	17.5	28.9	22.0	76.1	20.35	17.8	0.0	3.1	3.1	6.6
16	17.0	29.2	22.2	80.2	21.28	18.5	1.2	39.0	40.2	6.0
17	17.4	27.5	21.8	80.1	20.25	17.6	0.3	0.0	0.3	5.4
18	17.0	28.5	22.0	83.3	21.99	19.0	1.9	0.0	1.9	3.2
19	16.8	30.2	22.7	77.4	21.30	18.5	0.0	0.0	0.0	7.6
20	17.5	29.5	21.5	79.4	20.60	18.0	5.5	3.7	9.2	5.4
21	17.5	24.5	20.2	88.7	21.26	18.5	0.2	0.0	0.2	0.3
22	16.0	26.8	21.4	80.8	20.30	17.7	0.0	0.0	0.0	3.4
23	17.5	29.8	22.9	77.1	21.19	18.4	0.0	0.0	0.0	5.0
24	18.5	28.0	21.3	84.7	21.83	18.9	0.0	0.0	0.0	2.0
25	15.0	28.2	21.5	78.3	19.67	17.2	0.0	0.0	0.0	3.7
26	17.0	29.2	22.6	75.9	20.61	18.0	0.0	0.0	0.0	7.3
27	16.5	29.9	21.8	82.8	21.35	18.5	0.0	0.0	0.0	7.3
28	17.5	28.8	21.6	80.6	20.92	18.2	0.2	0.0	0.2	4.3
29	17.8	26.2	21.6	81.1	20.73	18.0	0.5	3.3	3.8	1.9
30	17.2	25.5	21.7	83.8	21.45	18.6	0.0	27.3	27.3	1.0
PROM.	16.8	27.6	21.4	79.9	20.24	17.7	21.7	117.0	138.7	128.2

M E S – DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	27.4	20.6	82.6	20.15	17.6	1.5	39.1	40.6	2.4
2	16.2	24.8	19.1	86.5	19.33	16.9	1.1	0.0	1.1	0.1
3	15.0	28.8	20.6	77.0	17.91	15.7	0.0	0.2	0.2	8.6
4	17.4	25.2	19.4	85.5	19.41	17.0	0.7	0.4	1.1	0.9
5	17.0	27.5	20.1	81.2	19.09	16.8	1.5	0.0	1.5	5.1
6	16.2	27.4	21.3	80.1	20.02	17.5	0.0	0.0	0.0	4.8
7	17.5	29.3	22.5	76.6	20.62	18.0	0.0	0.0	0.0	7.2
8	16.5	29.8	22.4	76.1	19.98	17.5	0.0	0.0	0.0	5.1
9	17.5	28.2	22.5	76.7	20.73	18.1	0.2	63.1	63.3	5.2
10	16.5	25.5	20.5	82.8	19.67	17.2	0.0	0.0	0.0	0.6
11	17.0	26.5	21.3	81.2	20.23	17.7	0.0	0.6	0.6	3.4
12	17.8	28.0	20.6	82.5	20.10	17.6	0.0	0.0	0.0	2.7
13	18.0	26.9	21.6	80.9	20.67	18.0	0.0	0.0	0.0	1.7
14	17.6	27.0	21.3	81.3	20.54	17.9	0.0	0.0	0.0	0.3
15	17.0	28.5	21.4	79.2	19.93	17.4	0.0	0.0	0.0	4.6
16	14.8	27.2	20.5	79.2	18.80	16.5	0.0	0.0	0.0	3.1
17	14.5	29.1	21.4	76.9	19.11	16.7	0.0	0.0	0.0	8.8
18	15.2	29.6	22.0	72.9	18.77	16.5	0.0	0.0	0.0	7.4
19	14.5	29.8	22.5	73.8	19.37	17.0	0.0	0.0	0.0	8.7
20	15.0	28.9	22.7	72.6	18.87	16.5	0.0	0.0	0.0	6.4
21	16.4	29.9	21.2	78.5	19.48	17.0	11.8	0.0	11.8	6.8
22	16.0	30.0	22.4	72.0	18.78	16.5	0.0	0.0	0.0	7.8
23	17.0	27.0	21.6	79.2	20.17	17.6	0.0	0.3	0.3	3.0
24	17.1	28.3	21.1	83.1	20.72	18.1	0.0	0.3	0.3	3.0
25	17.0	27.5	20.3	91.7	21.82	18.9	0.9	9.8	10.7	3.2
26	17.1	26.5	21.2	85.8	21.46	18.6	0.2	4.2	4.4	3.9
27	17.6	25.2	20.7	84.5	20.58	18.0	0.6	2.0	2.6	0.6
28	17.2	25.5	20.1	82.6	19.30	16.9	0.3	0.3	0.6	1.7
29	17.0	27.8	21.3	75.8	18.66	16.4	0.0	0.0	0.0	7.6
30	16.8	29.0	22.1	77.2	19.97	17.4	0.0	0.0	0.0	7.4
31	16.2	28.8	20.9	75.8	18.35	16.1	0.0	0.0	0.0	6.0
PROM	16.6	27.8	21.2	79.7	19.76	17.3	18.8	120.3	139.1	138.1

ESTACION: EL AGRADO MUNICIPIO: MONTENEGRO AÑO: 1.989

ALTITUD: 1.350 LATITUD: 4-28 N. LONGITUD: 75-49 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	16.1	27.0	20.3	13.8	29.8	83.9	19.94	17.4	129.7	20	120.4
FEBRERO	16.0	27.3	20.7	13.9	29.9	81.6	19.62	17.2	147.4	14	119.7
MARZO	16.1	27.3	20.9	13.4	30.8	79.2	19.13	16.8	191.0	14	145.5
ABRIL	16.8	28.0	21.8	14.5	31.0	80.4	20.71	18.0	141.1	16	123.9
MAYO	16.3	27.3	21.3	14.0	30.5	80.8	20.33	17.7	135.2	17	118.0
JUNIO	16.7	27.3	21.2	15.0	29.6	81.2	20.31	17.7	200.9	25	
JULIO	16.1	28.7	22.1	13.6	32.2	75.4	19.36	16.9	86.0	14	173.9
AGOSTO	15.9	28.5	21.6	13.8	31.5	76.6	19.34	16.9	106.8	12	160.7
SEPTIEMBRE	16.2	27.2	21.0	14.0	30.2	80.5	19.74	17.3	262.3	20	128.4
OCTUBRE	16.4	27.1	20.7	14.0	30.1	82.4	20.04	17.5	306.7	25	115.6
NOVIEMBRE	16.8	27.6	21.4	14.5	30.2	79.5	20.24	17.7	138.7	17	128.2
DICIEMBRE	16.6	27.8	21.2	14.5	30.0	79.7	19.76	17.3	139.1	14	138.1
PROMEDIO	16.3	27.6	21.2	14.1	30.5	80.1	19.88	17.4			
TOTAL									1984.9	208	

ESTACION: LA BELLA MUNICIPIO: CALARCA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 4-31 N. LONGITUD: 75-40 W.

M E S – ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.4	24.0	18.6	87.9	19.10	16.8	26.3	2.3	28.6	1.5
2	16.0	22.5	19.4	88.8	19.67	17.2	5.1	0.0	5.1	0.3
3	15.8	25.0	18.8	84.4	18.33	16.1	1.5	0.3	1.8	4.1
4	17.4	23.5	19.4	86.3	19.54	17.1	3.8	1.8	5.6	1.2
5	16.5	23.2	18.8	86.2	18.70	16.4	0.0	0.0	0.0	1.3
6	16.0	25.0	20.2	81.9	19.03	16.7	2.0	0.0	2.0	4.5
7	15.8	25.5	20.0	81.8	19.01	16.6	1.5	10.5	12.0	4.6
8	15.5	24.5	20.2	82.8	19.06	16.7	0.0	0.0	0.0	3.9
9	17.0	25.5	19.1	84.4	18.90	16.6	1.9	0.0	1.9	5.9
10	16.4	23.5	18.2	87.0	18.42	16.2	12.7	0.0	12.7	0.9
11	14.0	22.0	18.6	87.2	18.44	16.2	0.0	0.0	0.0	1.9
12	14.5	25.5	20.1	77.8	17.75	15.6	0.0	0.0	0.0	5.5
13	16.6	22.6	18.5	88.7	19.15	16.8	11.5	0.6	12.1	2.2
14	15.4	25.0	20.0	84.6	19.37	17.0	0.0	0.0	0.0	5.2
15	15.0	25.2	18.9	85.4	18.65	16.4	28.2	0.0	28.2	4.1
16	14.8	26.0	19.0	82.2	17.84	15.7	3.7	0.0	3.7	6.2
17	16.6	25.5	20.6	82.8	19.86	17.4	2.1	18.3	20.4	4.8
18	16.8	26.0	20.8	81.8	19.71	17.2	0.0	0.0	0.0	4.5
19	16.4	26.2	20.4	82.5	19.62	17.2	0.0	0.0	0.0	4.7
20	15.5	26.6	20.9	80.3	19.56	17.1	0.0	0.0	0.0	6.3
21	16.0	25.5	19.4	85.3	19.15	16.8	0.0	0.0	0.0	3.9
22	16.5	26.3	20.3	85.0	20.13	17.6	0.0	0.0	0.0	5.3
23	16.5	25.5	20.5	83.3	19.95	17.4	0.0	0.0	0.0	5.7
24	15.8	26.2	21.5	78.5	19.47	17.0	0.0	0.0	0.0	6.6
25	16.0	23.5	19.5	85.3	19.36	17.0	0.0	0.0	0.0	0.5
26	15.8	26.6	20.6	82.6	19.71	17.2	0.0	2.7	2.7	5.7
27	17.0	23.4	19.6	88.7	20.01	17.5	0.0	1.6	1.6	0.8
28	16.8	21.0	18.8	85.2	18.35	16.1	8.5	16.3	24.8	1.9
29	17.0	26.4	20.6	79.5	19.17	16.8	1.8	0.0	1.8	3.8
30	17.2	24.4	20.9	82.8	20.23	17.6	0.2	0.5	0.7	2.1
31	17.4	24.5	19.9	83.9	19.44	17.1	0.0	0.0	0.0	2.7
PROM.	16.1	24.7	19.7	84.0	19.18	16.8	110.8	54.9	165.7	112.6

M E S – FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.4	22.4	19.4	86.1	19.12	16.8	0.1	0.0	0.1	0.0
2	15.5	26.0	19.6	80.7	18.13	15.9	6.2	1.8	8.0	2.8
3	16.8	24.4	19.6	84.3	19.08	16.8	3.5	58.6	62.1	1.4
4	15.0	22.2	18.6	87.4	18.47	16.2	0.0	0.0	0.0	0.4
5	16.0	24.5	19.3	81.3	18.06	15.9	0.0	0.0	0.0	2.6
6	14.0	25.8	19.2	81.2	17.76	15.6	7.2	0.0	7.2	5.8
7	15.8	25.0	20.3	83.1	19.45	17.0	0.0	0.0	0.0	4.2
8	15.4	26.0	20.3	81.2	19.33	17.0	0.0	2.0	2.0	3.5
9	16.8	24.7	20.0	87.1	20.10	17.6	1.1	30.8	31.9	2.3
10	16.9	25.0	20.1	85.1	19.68	17.3	1.7	39.0	40.7	1.2
11	16.8	23.0	19.0	87.4	19.35	17.0	17.3	0.2	17.5	1.1
12	16.4	26.5	20.7	78.0	18.55	16.3	0.0	0.0	0.0	5.8
13	15.2	24.8	20.4	77.4	18.02	15.8	0.0	0.0	0.0	5.4
14	15.0	26.5	19.1	80.1	17.72	15.6	7.8	2.2	10.0	5.5
15	16.8	26.0	21.0	81.4	19.76	17.3	2.3	0.0	2.3	5.3
16	17.4	27.4	21.3	75.8	18.68	16.4	0.0	1.7	1.7	8.1
17	17.0	24.3	20.5	83.5	19.69	17.3	4.9	0.0	4.9	4.0
18	14.4	26.7	19.1	81.1	17.97	15.8	21.4	0.0	21.4	7.3
19	14.5	26.3	20.7	79.7	18.91	16.5	0.0	0.0	0.0	5.1
20	15.4	23.5	20.4	84.2	19.83	17.3	0.0	0.0	0.0	1.1
21	16.8	23.8	20.4	83.4	19.67	17.2	0.0	0.0	0.0	1.3
22	16.6	24.5	19.9	86.2	20.03	17.5	0.8	1.5	2.3	3.0
23	17.0	22.3	17.9	93.2	19.19	16.8	9.6	0.0	9.6	0.2
24	13.5	26.4	20.1	77.5	17.87	15.6	0.0	0.0	0.0	8.6
25	15.6	26.0	19.6	82.2	18.84	16.6	6.2	29.7	35.9	4.7
26	16.4	24.8	20.3	84.3	20.03	17.5	0.0	0.0	0.0	1.7
27	17.4	26.8	22.1	83.1	21.40	18.5	0.8	0.0	0.8	5.2
28	17.0	27.0	22.1	79.4	20.51	17.9	0.0	0.0	0.0	6.4
PROM	16.0	25.1	20.0	82.7	19.11	16.8	90.9	167.5	258.4	104.0

ESTACION: LA BELLA MUNICIPIO: CALARCA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 4-31 N. LONGITUD: 75-40 W.

M E S — MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.8	29.5	22.7	72.8	18.95	16.7	0.0	0.0	0.0	9.1
2	16.0	28.8	22.6	75.3	19.72	17.2	0.0	0.0	0.0	7.9
3	16.3	25.6	21.7	78.3	19.73	17.3	0.0	0.0	0.0	3.3
4	16.6	26.6	21.3	81.1	20.08	17.5	0.0	53.4	53.4	3.7
5	16.0	20.6	18.6	93.7	20.02	17.5	1.5	0.0	1.5	0.0
6	16.8	26.5	21.5	78.0	19.34	17.0	0.0	13.2	13.2	5.4
7	15.4	23.8	19.3	83.5	18.46	16.2	9.1	1.1	10.2	3.1
8	16.8	25.8	19.4	85.3	19.33	17.0	0.8	0.4	1.2	3.6
9	16.0	26.4	20.4	83.1	19.53	17.1	0.4	0.1	0.5	4.0
10	16.8	26.5	19.7	85.2	19.67	17.2	18.5	0.0	18.5	4.5
11	16.9	24.4	19.1	86.5	19.49	17.1	11.9	0.0	11.9	1.0
12	16.7	24.0	20.5	83.5	19.78	17.3	0.0	0.0	0.0	1.2
13	17.4	23.3	19.5	90.8	20.63	18.0	0.0	36.5	36.5	1.2
14	16.4	21.8	18.1	92.1	19.23	16.9	17.6	0.4	18.0	0.2
15	15.0	24.0	19.3	88.6	19.70	17.3	1.4	19.0	20.4	1.2
16	14.8	21.8	18.5	89.7	18.80	16.5	0.0	0.0	0.0	0.0
17	16.4	26.0	19.5	79.0	17.84	15.7	7.6	0.0	7.6	5.7
18	15.5	26.4	20.7	76.9	18.45	16.2	0.0	0.0	0.0	4.6
19	16.8	26.2	21.5	73.4	18.39	16.2	0.0	0.0	0.0	6.8
20	17.4	24.3	19.8	81.4	18.65	16.4	5.2	13.8	19.0	2.0
21	16.4	26.4	21.1	76.4	18.46	16.2	0.0	3.5	3.5	5.9
22	16.0	26.0	19.1	79.9	17.72	15.6	27.0	0.0	27.0	7.2
23	15.4	26.6	19.6	79.4	18.13	15.9	28.4	6.5	34.9	6.4
24	16.0	24.5	20.4	80.7	19.08	16.8	0.0	0.0	0.0	6.1
25	16.1	27.8	22.4	68.5	17.89	15.7	0.0	0.0	0.0	8.9
26	16.4	24.9	19.6	83.7	19.05	16.7	0.8	0.0	0.8	0.9
27	16.3	24.4	20.2	77.3	17.73	15.6	0.0	16.4	16.4	2.8
28	15.8	20.6	18.2	91.1	18.83	16.5	17.2	0.0	17.2	0.0
29	13.5	26.6	20.5	71.7	16.73	14.7	0.0	0.0	0.0	8.0
30	13.0	27.5	21.0	67.5	15.93	14.0	0.0	0.0	0.0	8.7
31	14.5	24.3	20.2	75.3	17.38	15.3	0.0	1.0	1.0	4.1
PROM.	16.0	25.2	20.2	81.0	18.80	16.5	147.4	165.3	312.7	127.5

M E S — ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.8	25.5	19.5	82.6	18.73	16.5	5.8	7.0	12.8	3.0
2	16.0	25.6	21.0	77.5	18.79	16.5	1.3	0.6	1.9	3.6
3	17.5	22.5	19.3	88.3	19.76	17.3	0.0	0.0	0.0	0.8
4	14.0	25.8	21.2	77.3	18.63	16.3	0.0	7.1	7.1	5.2
5	17.0	23.0	20.5	85.5	20.27	17.7	0.0	0.0	0.0	0.8
6	15.4	25.0	20.4	83.9	19.87	17.4	0.0	0.0	0.0	2.6
7	16.5	27.0	20.9	81.2	19.79	17.3	0.0	0.4	0.4	6.4
8	17.6	27.5	22.0	80.0	20.75	18.1	0.0	0.0	0.0	5.4
9	17.4	23.6	20.0	85.3	20.19	17.7	0.0	0.0	0.0	0.1
10	15.0	26.2	21.0	83.9	20.48	17.8	3.4	0.0	3.4	3.4
11	14.8	26.0	21.7	81.2	20.46	17.8	0.0	0.0	0.0	4.7
12	16.8	25.2	21.2	85.3	21.17	18.4	0.0	0.0	0.0	1.3
13	17.0	26.8	21.7	84.4	21.70	18.8	0.5	0.2	0.7	3.1
14	17.6	23.2	19.8	91.7	21.23	18.4	0.0	0.7	0.7	0.0
15	16.0	24.6	19.6	84.5	19.48	17.1	0.6	0.0	0.6	1.0
16	15.3	27.1	22.0	76.5	19.78	17.3	0.0	0.0	0.0	5.2
17	17.3	28.5	22.3	76.0	19.83	17.4	0.0	0.0	0.0	7.7
18	16.8	26.0	21.2	76.5	19.25	16.9	0.0	0.0	0.0	4.2
19	17.5	26.6	21.7	77.7	19.86	17.4	0.0	0.0	0.0	2.6
20	16.4	26.0	21.5	78.7	20.00	17.5	0.0	0.0	0.0	4.3
21	16.0	28.2	21.4	81.9	20.57	17.9	9.0	0.0	9.0	7.7
22	17.4	27.6	22.4	79.1	20.96	18.2	0.0	0.1	0.1	8.4
23	18.2	28.0	23.0	74.3	20.34	17.8	0.0	0.0	0.0	5.3
24	18.0	24.2	20.9	85.6	21.15	18.4	2.0	0.0	2.0	1.5
25	14.5	26.8	20.6	78.1	18.80	16.5	0.0	0.0	0.0	7.8
26	16.4	26.3	21.4	82.6	21.24	18.5	0.0	29.5	29.9	2.9
27	17.4	26.4	20.0	87.2	20.68	18.0	18.0	60.4	78.4	5.0
28	16.8	24.6	20.8	78.7	19.04	16.7	0.0	16.7	16.7	3.1
29	17.3	25.8	20.5	84.0	20.33	17.7	0.5	2.0	2.5	3.3
30	15.8	23.2	19.8	83.4	18.81	16.5	0.6	0.0	0.6	1.8
PROM	16.5	25.8	21.0	81.8	20.06	17.5	41.7	125.1	166.8	112.2

ESTACION: LA BELLA MUNICIPIO: CALARCA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 4-31 N. LONGITUD: 75-40 W.

M E S – MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.9	23.0	17.9	88.7	18.58	16.4	43.9	11.6	55.5	2.2
2	14.5	22.5	19.2	84.8	18.45	16.2	0.0	0.0	0.0	3.2
3	15.0	23.5	19.3	86.6	19.31	16.9	0.9	25.9	26.8	3.6
4	15.2	24.6	19.5	85.6	19.19	16.9	10.5	0.0	10.5	2.6
5	14.0	23.5	19.9	83.9	19.06	16.7	0.0	34.5	34.5	3.7
6	15.5	22.8	19.5	89.5	20.16	17.6	0.0	18.4	18.4	2.2
7	15.7	22.6	19.0	90.9	20.03	17.5	4.4	12.0	16.4	2.4
8	16.0	23.6	18.9	89.9	19.57	17.2	1.9	7.5	9.4	2.1
9	15.8	23.2	19.8	86.2	19.69	17.2	0.0	0.0	0.0	1.9
10	15.4	20.4	17.8	94.3	19.27	16.9	4.6	0.0	4.6	1.2
11	13.4	25.5	20.0	81.9	18.54	16.3	0.0	0.0	0.0	5.3
12	16.4	24.8	19.8	84.4	19.70	17.3	0.1	9.9	10.0	3.3
13	16.0	23.0	18.8	89.9	19.09	16.8	1.3	0.0	1.3	1.9
14	15.4	24.0	19.4	78.5	17.88	15.7	0.0	0.0	0.0	2.7
15	15.0	26.0	20.4	80.3	19.28	16.9	0.0	0.0	0.0	5.8
16	15.4	27.2	22.1	79.0	20.50	17.9	0.0	0.0	0.0	8.3
17	15.8	26.3	21.6	79.5	20.09	17.6	0.0	0.0	0.0	7.2
18	17.4	25.8	22.3	80.4	21.29	18.5	0.0	0.9	0.9	3.2
19	17.8	24.5	20.5	82.7	19.74	17.2	0.6	0.0	0.6	3.0
20	16.5	30.7	23.7	71.6	20.17	17.5	0.0	0.0	0.0	8.1
21	16.4	28.8	23.0	76.3	20.89	18.2	0.0	0.0	0.0	6.9
22	17.8	26.0	22.1	81.9	21.51	18.7	0.0	0.0	0.0	3.6
23	17.4	24.5	20.5	88.2	21.20	18.4	0.0	0.0	0.0	0.6
24	17.8	24.6	21.0	84.1	20.77	18.1	0.4	2.8	3.2	2.5
25	17.4	25.2	19.6	91.2	20.94	18.2	0.4	6.4	6.8	2.1
26	17.0	25.0	20.1	86.2	20.27	17.7	16.8	0.0	16.8	2.5
27	16.5	26.7	21.2	76.9	19.16	16.8	0.0	0.0	0.0	6.2
28	16.3	24.5	20.3	82.7	19.65	17.2	1.5	0.0	1.5	3.6
29	14.9	26.5	20.5	78.3	18.80	16.5	0.0	0.0	0.0	8.3
30	15.5	27.8	22.6	75.6	19.67	17.2	0.0	0.0	0.0	7.5
31	16.5	27.0	22.2	79.1	20.75	18.1	0.0	0.0	0.0	6.6
PROM.	16.0	25.0	20.4	83.5	19.78	17.3	87.3	129.9	217.2	124.3

M E S – JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.8	26.0	19.4	83.2	19.17	16.8	42.4	1.0	43.4	3.1
2	16.4	25.5	21.2	83.7	20.67	18.0	0.1	0.0	0.1	3.0
3	17.4	21.6	19.4	91.1	20.58	17.9	0.3	0.0	0.3	0.1
4	16.0	26.5	21.5	80.2	19.96	17.4	0.0	0.0	0.0	5.4
5	18.0	23.5	19.9	90.0	21.01	18.3	1.9	6.0	7.9	2.7
6	17.8	23.6	20.3	87.8	20.95	18.2	2.0	1.8	3.8	3.6
7	16.5	23.0	19.1	92.5	20.52	17.9	1.8	0.0	1.8	0.7
8	15.0	25.6	21.5	78.5	19.93	17.5	0.0	2.2	2.2	6.1
9	18.0	25.4	21.5	85.3	21.62	18.7	1.0	0.0	1.0	3.7
10	18.4	25.8	21.0	85.3	21.45	18.6	0.0	2.2	2.2	5.5
11	17.5	25.6	21.4	83.5	21.06	18.3	0.0	2.2	2.2	3.9
12	18.0	25.4	20.7	88.4	21.49	18.6	4.6	2.4	7.0	3.0
13	17.0	25.0	19.9	85.1	19.91	17.4	5.6	1.1	6.7	3.7
14	15.8	27.2	21.8	79.2	20.16	17.6	0.0	0.0	0.0	8.2
15	16.6	27.3	21.7	80.8	20.86	18.2	0.0	0.0	0.0	9.1
16	15.4	27.0	21.8	77.0	19.74	17.3	0.0	0.0	0.0	7.8
17	16.5	26.0	20.8	82.2	20.15	17.6	0.0	0.0	0.0	5.2
18	17.4	25.0	20.7	84.8	20.45	17.8	1.4	3.7	5.1	4.2
19	17.6	24.5	20.1	84.2	19.86	17.4	0.0	0.0	0.0	2.8
20	16.5	24.6	20.7	81.9	19.62	17.2	0.0	0.0	0.0	1.9
21	17.0	25.4	20.9	83.4	20.46	17.8	0.2	0.3	0.5	3.5
22	16.8	24.7	20.9	83.6	20.44	17.9	0.0	0.9	0.9	4.0
23	17.4	21.3	19.3	90.6	20.26	17.7	1.0	0.0	1.0	1.3
24	16.0	22.8	19.4	88.6	19.99	17.5	0.1	5.0	5.1	2.6
25	16.4	23.4	18.8	88.8	19.19	16.8	7.1	0.0	7.1	2.7
26	15.8	25.5	20.7	79.9	18.97	16.7	0.0	0.4	0.4	4.3
27	16.5	25.6	20.5	83.6	19.89	17.4	0.0	0.1	0.1	4.7
28	16.0	26.5	21.6	75.0	18.56	16.3	0.0	0.0	0.0	8.0
29	15.0	26.7	21.0	79.6	19.51	17.1	0.0	0.0	0.0	7.3
30	16.5	25.0	21.0	80.5	19.71	17.2	0.0	0.4	0.4	4.3
PROM	16.7	25.0	20.6	83.9	20.20	17.6	69.5	29.7	99.2	126.4

ESTACION: LA EELLA MUNICIPIO: CALARCA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 4-31 N. LONGITUD: 75-40 W.

M E S - JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.4	24.8	21.0	77.3	18.82	16.5	0.0	0.0	0.0	4.4
2	15.4	27.5	21.7	67.2	16.57	14.4	0.0	0.0	0.0	4.3
3	15.5	29.3	22.0	63.7	16.15	13.9	0.0	0.0	0.0	10.1
4	13.6	26.2	21.3	75.1	18.48	16.2	0.0	1.3	1.3	7.4
5	16.5	25.0	21.1	83.1	20.21	17.6	1.7	0.0	1.7	2.7
6	15.8	25.6	21.1	69.8	16.56	14.3	0.0	0.0	0.0	2.9
7	15.6	25.0	20.7	79.0	18.84	16.6	0.0	0.0	0.0	6.7
8	16.4	25.5	20.4	75.8	17.94	15.7	0.0	0.0	0.0	6.7
9	15.4	25.6	20.4	77.3	18.09	15.9	0.0	0.0	0.0	5.6
10	14.0	29.5	21.7	66.5	15.94	13.8	0.0	0.0	0.0	7.4
11	13.8	26.7	21.7	74.2	18.27	16.1	0.0	0.0	0.0	9.4
12	14.0	28.5	23.0	57.4	14.37	12.1	0.0	0.0	0.0	8.4
13	15.8	28.6	23.5	58.0	14.98	12.9	0.0	0.0	0.0	8.9
14	15.5	27.5	23.1	65.5	17.29	15.0	0.0	0.0	0.0	7.1
15	17.8	30.2	24.5	55.1	15.41	13.3	0.0	0.0	0.0	8.4
16	18.3	25.5	22.3	67.4	17.30	14.9	0.0	0.0	0.0	4.2
17	16.0	25.0	21.5	70.2	16.99	14.9	0.0	0.0	0.0	5.6
18	14.5	25.2	20.6	81.7	19.46	17.1	0.0	0.0	0.0	4.9
19	16.5	26.8	21.0	82.4	20.17	17.6	0.0	0.0	0.0	5.1
20	17.5	24.0	19.6	86.3	19.98	17.5	1.1	0.0	1.1	1.0
21	16.2	23.2	19.1	86.6	19.00	16.7	2.0	3.3	5.3	0.9
22	16.0	24.0	19.0	84.2	18.43	16.2	1.3	0.0	1.3	1.5
23	14.5	25.4	19.7	80.5	18.41	16.2	0.0	0.0	0.0	5.0
24	16.6	25.2	20.8	80.0	19.16	16.8	0.4	42.9	43.3	1.5
25	16.4	24.0	20.2	87.5	20.35	17.8	0.3	25.3	25.6	3.3
26	16.5	22.5	19.5	89.0	19.81	17.4	0.0	2.1	2.1	1.1
27	16.8	26.3	21.8	78.3	19.90	17.4	0.0	0.0	0.0	4.6
28	16.4	26.5	21.6	76.7	19.56	17.1	0.0	0.0	0.0	7.2
29	16.0	26.2	21.7	75.4	19.08	16.7	0.0	0.4	0.4	6.8
30	15.4	26.6	21.4	74.5	18.18	15.9	0.0	0.0	0.0	7.9
31	17.5	26.5	21.5	78.2	19.79	17.3	0.0	0.0	0.0	5.7
PROM.	15.9	26.1	21.2	75.0	18.18	15.9	6.8	75.3	82.1	166.7

M E S - AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.8	27.8	21.7	73.8	18.51	16.1	1.2	0.0	1.2	4.8
2	15.8	26.5	21.6	75.1	18.80	16.5	0.0	0.0	0.0	5.7
3	15.5	27.0	22.0	75.0	18.95	16.6	0.0	0.0	0.0	8.1
4	14.5	28.0	21.9	75.2	18.74	16.4	0.0	0.0	0.0	9.3
5	15.8	26.6	22.0	78.5	19.90	17.4	0.0	0.1	0.1	4.6
6	17.4	27.5	21.8	69.5	17.58	15.4	0.0	0.0	0.0	4.7
7	13.8	27.5	22.0	71.7	18.14	16.0	0.0	0.0	0.0	10.3
8	16.4	28.5	21.9	72.4	18.45	16.2	0.0	0.0	0.0	7.1
9	16.5	26.5	20.0	82.9	19.25	16.9	3.2	0.0	3.2	4.8
10	16.4	26.0	20.8	76.6	18.54	16.3	0.0	0.0	0.0	5.4
11	16.6	26.2	20.9	80.9	19.88	17.4	0.0	0.0	0.0	1.4
12	14.0	25.6	21.1	81.5	19.59	17.1	0.0	0.0	0.0	3.9
13	17.0	25.2	21.1	81.7	20.38	17.8	0.0	0.0	0.0	2.2
14	16.2	26.6	22.0	76.5	19.32	16.9	0.0	0.7	0.7	4.9
15	17.5	26.0	21.6	79.8	20.12	17.6	0.0	0.0	0.0	4.1
16	17.6	23.0	20.2	85.5	20.29	17.7	0.0	0.0	0.0	0.4
17	15.0	26.6	21.8	72.3	17.93	15.8	0.0	0.0	0.0	7.4
18	15.0	29.5	22.1	75.5	19.01	16.7	0.0	0.0	0.0	9.3
19	16.0	26.5	20.6	75.8	18.57	16.4	0.0	0.0	0.0	2.9
20	17.0	26.4	19.7	81.7	18.75	16.5	0.0	0.0	0.0	6.0
21	16.0	25.2	18.6	84.8	18.73	16.4	69.6	2.2	71.8	4.9
22	15.4	25.0	20.4	81.6	18.94	16.6	0.0	0.0	0.0	5.0
23	16.5	23.5	19.0	84.5	18.64	16.4	0.0	0.8	0.8	1.4
24	15.6	26.5	21.1	75.1	18.07	15.9	0.0	0.0	0.0	8.0
25	15.0	26.0	21.2	73.9	18.05	15.9	0.0	1.9	1.9	7.4
26	16.8	25.0	20.0	84.7	19.55	17.1	0.0	0.8	0.8	4.0
27	16.4	25.6	20.7	78.5	18.76	16.5	0.0	0.0	0.0	5.4
28	16.0	26.0	19.4	81.8	18.39	16.2	0.4	21.7	22.1	4.3
29	16.8	22.0	18.7	88.4	19.13	16.8	5.8	29.9	35.7	0.9
30	16.0	23.5	18.9	83.0	18.06	15.9	1.5	0.0	1.5	2.7
31	14.5	25.0	20.1	80.7	18.34	16.1	0.0	0.0	0.0	4.6
PROM	16.0	26.0	20.8	78.7	18.88	16.6	81.7	58.1	139.8	155.9

ESTACION: LA BELLA MUNICIPIO: CALARCA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 4-31 N. LONGITUD: 75-40 W.

M E S - SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.0	27.0	21.5	74.9	18.40	16.1	0.0	0.0	0.0	8.7
2	15.8	26.5	20.4	81.1	19.43	17.1	0.0	0.0	0.0	6.1
3	15.0	27.0	19.7	80.6	18.83	16.6	0.0	13.6	13.6	5.5
4	15.8	25.2	19.6	83.3	18.81	16.5	19.7	0.5	20.2	4.8
5	16.0	20.8	18.3	93.5	19.63	17.2	14.3	23.0	37.3	0.3
6	15.9	23.0	18.8	88.0	18.90	16.6	0.0	0.3	0.3	1.7
7	16.3	24.5	19.1	86.6	19.30	16.9	0.5	0.0	0.5	1.9
8	15.0	24.5	19.4	81.4	18.48	16.2	0.3	0.0	0.3	4.5
9	17.0	24.2	20.0	85.7	20.13	17.6	4.9	0.0	4.9	2.3
10	16.0	25.4	20.2	86.0	20.10	17.6	0.0	0.0	0.0	2.7
11	15.0	25.0	20.1	77.6	17.67	15.5	0.0	6.3	6.3	4.2
12	16.5	26.5	20.4	81.4	19.20	16.8	0.2	0.0	0.2	6.4
13	17.0	25.0	20.8	79.2	19.01	16.7	0.0	0.0	0.0	3.6
14	16.0	24.5	20.0	85.0	19.67	17.2	1.2	0.0	1.2	2.9
15	14.2	27.8	21.0	73.6	17.47	15.3	0.0	0.0	0.0	8.3
16	16.8	27.0	22.3	76.7	20.23	17.7	0.0	0.0	0.0	6.9
17	16.7	26.8	20.6	80.0	19.57	17.2	11.0	0.0	11.0	5.7
18	16.5	24.5	19.8	85.1	19.70	17.3	0.1	0.0	0.1	4.3
19	14.2	25.0	19.1	83.4	18.39	16.2	0.0	0.0	0.0	5.3
20	17.0	22.5	19.4	90.0	20.23	17.7	1.1	0.0	1.1	0.3
21	16.5	23.5	19.1	87.2	19.43	17.1	0.0	18.9	18.9	2.6
22	15.5	21.5	17.5	88.1	17.79	15.7	2.9	0.1	3.0	0.1
23	13.6	25.0	19.6	83.5	18.82	16.5	0.0	0.4	0.4	4.8
24	15.5	24.8	20.1	80.7	18.68	16.4	0.0	0.0	0.0	4.7
25	16.0	25.5	20.2	87.5	20.24	17.7	0.2	3.0	3.2	6.4
26	15.8	22.2	19.3	85.1	18.71	16.5	0.0	0.0	0.0	2.1
27	15.4	24.0	19.3	81.7	18.24	16.0	0.2	1.0	1.2	1.9
28	15.5	20.0	17.3	90.4	18.03	15.9	27.4	1.1	28.5	0.0
29	14.3	26.2	19.9	80.4	18.10	15.9	0.0	0.0	0.0	6.6
30	16.2	25.8	20.8	79.6	19.36	17.0	0.0	0.0	0.0	6.1
PROM.	15.7	24.7	19.8	83.2	19.02	16.7	84.0	68.2	152.2	121.7

M E S - OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.6	26.6	21.2	77.4	19.22	16.8	0.0	0.1	0.1	5.0
2	16.7	23.2	19.2	85.9	19.20	16.8	0.1	0.6	0.7	1.8
3	15.5	24.5	19.3	84.8	19.00	16.7	0.5	6.6	7.1	3.0
4	14.0	23.5	18.3	87.4	18.10	15.9	5.0	4.0	9.0	2.1
5	13.5	23.2	17.7	86.9	17.81	15.6	0.0	0.0	0.0	2.1
6	13.0	25.4	19.9	83.2	18.75	16.4	0.0	1.8	1.8	7.5
7	15.0	24.8	19.9	84.3	19.29	16.9	0.0	0.0	0.0	6.6
8	14.5	23.7	18.0	87.0	18.22	16.1	0.0	0.0	0.0	2.3
9	15.4	24.2	19.5	83.0	18.73	16.5	0.0	0.0	0.0	3.1
10	15.0	25.4	18.5	84.9	18.32	16.1	6.9	16.8	23.7	2.8
11	14.9	23.0	18.4	89.9	18.74	16.5	1.1	7.9	9.0	1.8
12	15.0	23.2	19.4	83.2	18.48	16.2	0.1	0.0	0.1	2.7
13	15.8	23.8	18.5	86.1	18.39	16.2	2.9	8.1	11.0	3.0
14	16.4	23.6	19.2	84.2	18.70	16.5	0.1	0.0	0.1	1.5
15	16.0	23.2	18.8	84.8	18.70	16.4	0.7	0.0	0.7	1.2
16	14.8	25.0	19.4	80.6	17.97	15.8	0.0	0.0	0.0	3.6
17	17.2	23.0	19.5	87.0	19.91	17.4	0.4	2.9	3.3	0.5
18	15.0	24.8	19.7	82.7	18.39	16.1	0.0	6.1	6.1	3.5
19	16.0	26.5	20.2	82.2	19.08	16.7	0.2	0.0	0.2	4.3
20	15.0	25.6	20.6	77.3	18.72	16.5	0.0	0.0	0.0	7.1
21	16.0	24.4	19.6	84.8	19.62	17.2	0.0	0.0	0.0	1.6
22	16.2	25.2	20.1	80.7	19.01	16.7	0.0	0.0	0.0	4.2
23	16.6	24.0	19.5	85.5	19.38	17.0	7.8	5.2	13.0	3.0
24	16.5	24.6	19.5	85.4	19.42	17.0	0.0	0.0	0.0	1.6
25	16.0	24.4	18.6	89.5	19.17	16.8	0.4	1.8	2.2	2.6
26	16.5	24.0	20.4	82.8	19.53	17.1	0.0	0.0	0.0	1.7
27	17.0	23.2	20.4	85.3	20.31	17.7	0.1	1.8	1.9	2.0
28	17.2	22.8	19.0	87.1	19.24	16.9	1.2	0.0	1.2	0.0
29	17.0	25.5	20.3	80.0	18.84	16.5	0.0	4.0	4.0	3.8
30	16.4	26.5	19.7	83.2	19.28	16.9	18.4	9.1	27.5	4.9
31	15.0	26.0	19.5	83.3	18.76	16.5	7.5	52.4	59.9	5.6
PROM	15.6	24.4	19.4	84.2	18.91	16.6	53.4	129.2	182.6	96.5

ESTACION: LA BELLA MUNICIPIO: CALARCA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 4-31 N. LONGITUD: 75-40 W.

M E S - NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.8	24.0	19.7	83.9	18.78	16.5	5.0	0.0	5.0	1.3
2	15.0	25.0	19.7	82.2	18.62	16.3	0.0	22.4	22.4	2.1
3	16.0	26.0	19.7	81.9	18.53	16.3	0.0	27.5	27.5	3.7
4	16.3	23.0	18.9	84.3	18.65	16.4	0.4	0.0	0.4	0.1
5	13.5	26.4	19.8	77.9	18.08	15.9	0.5	1.7	2.2	7.0
6	16.0	26.5	21.1	79.5	19.62	17.2	0.0	16.8	16.8	8.0
7	15.5	23.5	18.8	84.0	18.11	15.9	6.6	11.4	18.0	3.8
8	16.0	24.0	20.0	80.4	18.65	16.4	0.0	0.0	0.0	3.7
9	15.9	26.4	20.8	76.8	18.38	16.2	0.0	0.2	0.2	6.1
10	16.5	26.0	19.7	79.1	17.95	15.8	0.0	49.1	49.1	3.4
11	15.0	23.2	18.0	79.0	16.02	13.8	0.2	0.0	0.2	0.0
12	15.4	23.6	20.1	79.6	18.30	16.1	0.0	0.0	0.0	3.6
13	15.5	23.2	19.9	80.2	18.22	16.0	0.0	0.0	0.0	
14	16.0	27.3	21.5	73.5	18.35	16.1	0.0	6.5	6.5	6.6
15	16.5	27.1	19.6	81.3	18.74	16.5	1.2	0.0	1.2	6.9
16	16.8	26.5	21.2	84.0	21.02	18.3	1.4	23.8	25.2	4.8
17	17.0	25.2	20.1	86.5	20.06	17.5	1.2	0.0	1.2	2.5
18	16.4	25.1	20.6	82.9	19.92	17.4	0.0	0.0	0.0	2.4
19	16.5	27.4	20.5	82.2	19.77	17.3	0.0	0.0	0.0	5.7
20	16.8	27.0	20.3	83.2	20.02	17.5	22.3	18.2	40.5	4.5
21	16.0	22.5	19.1	89.6	20.09	17.6	5.8	0.0	5.8	0.7
22	15.0	24.2	20.1	83.3	19.28	16.8	0.0	0.0	0.0	3.1
23	16.5	26.5	21.1	79.7	19.46	17.0	0.0	0.0	0.0	3.8
24	18.0	25.6	20.4	82.7	20.15	17.6	0.0	0.0	0.0	1.5
25	15.0	24.6	20.2	82.6	19.30	16.9	0.0	0.0	0.0	1.7
26	15.6	27.3	21.2	77.8	19.10	16.8	0.0	0.0	0.0	6.2
27	16.2	27.5	20.4	80.2	19.09	16.7	0.0	0.0	0.0	6.7
28	16.5	26.5	20.4	84.6	20.50	17.9	0.3	0.0	0.3	3.9
29	14.8	23.9	19.6	89.5	20.33	17.8	13.6	3.4	17.0	1.9
30	17.0	23.6	20.7	86.5	20.93	18.2	0.0	9.9	9.9	0.6
PROM.	16.0	25.3	20.1	82.0	19.13	16.8	58.5	190.9	249.4	

M E S - DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.5	25.4	19.4	84.9	19.16	16.8	1.9	26.7	28.6	3.4
2	15.5	23.0	18.1	86.3	18.06	15.9	5.4	0.0	5.4	0.5
3	15.0	26.7	19.5	81.1	18.24	16.0	0.6	5.4	6.0	8.3
4	16.5	23.6	18.5	90.2	19.16	16.8	0.0	0.4	0.4	1.3
5	16.0	24.5	19.0	86.1	19.01	16.7	8.5	0.0	8.5	2.0
6	15.5	25.6	19.9	82.3	18.93	16.6	0.0	0.0	0.0	5.7
7	16.0	26.2	21.2	78.0	19.33	16.9	0.0	0.0	0.0	6.8
8	15.5	26.6	21.3	76.5	19.20	16.8	0.0	0.0	0.0	5.4
9	17.0	25.7	20.6	80.8	19.70	17.2	17.6	33.4	51.0	5.0
10	16.5	23.5	20.0	82.7	18.97	16.6	0.0	0.0	0.0	0.6
11	16.4	24.5	20.6	82.5	19.81	17.3	0.0	0.0	0.0	3.8
12	17.0	24.4	20.0	83.2	19.44	17.0	1.9	0.0	1.9	2.5
13	17.1	25.0	20.5	84.0	20.12	17.6	0.0	0.0	0.0	2.7
14	17.0	25.1	20.7	81.1	19.75	17.3	0.0	0.0	0.0	0.2
15	15.0	26.0	20.4	76.2	18.13	15.9	0.0	0.0	0.0	5.4
16	14.5	24.2	19.6	77.9	17.56	15.4	0.0	0.0	0.0	4.3
17	14.0	25.6	20.4	77.3	18.02	15.8	0.0	0.0	0.0	6.3
18	15.0	26.6	21.1	72.8	17.72	15.5	0.0	0.0	0.0	8.1
19	14.0	26.5	21.0	72.2	17.55	15.3	0.0	0.0	0.0	8.6
20	15.0	26.8	21.5	75.7	18.64	16.4	0.0	0.0	0.0	7.3
21	15.5	26.5	19.7	80.1	18.39	16.2	0.0	0.0	0.0	6.0
22	15.4	27.0	20.8	72.7	17.45	15.4	0.0	0.0	0.0	6.6
23	16.5	24.2	20.1	82.2	19.33	17.0	1.8	0.0	1.8	2.0
24	15.5	23.6	19.2	84.8	18.99	16.6	0.9	0.0	0.9	2.5
25	15.4	25.6	17.9	93.2	19.01	16.7	17.3	9.2	26.5	3.1
26	16.0	24.5	19.2	88.2	19.61	17.2	0.9	27.4	28.3	2.9
27	16.5	23.6	19.4	87.0	19.48	17.1	1.1	1.4	2.5	1.3
28	16.8	23.0	18.6	86.7	18.80	16.5	14.7	3.8	18.5	1.0
29	16.0	25.3	20.0	76.4	17.49	15.4	0.0	4.6	4.6	7.7
30	16.5	26.0	19.1	80.2	17.71	15.6	0.3	0.5	0.8	7.1
31	16.4	25.5	19.5	82.9	18.80	16.5	1.7	2.6	4.3	4.2
PROM	15.9	25.2	19.9	81.5	18.76	16.5	74.6	115.4	190.0	132.6

ESTACION: LA BELLA MUNICIPIO: CALARCA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 4-31 N. LONGITUD: 75-40 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	16.1	24.7	19.7	14.0	26.6	84.0	19.18	16.8	165.7	17	112.6
FEBRERO	16.0	25.1	20.0	13.5	27.4	82.7	19.11	16.8	258.4	17	104.0
MARZO	16.0	25.2	20.2	13.0	29.5	81.0	18.80	16.5	312.7	20	127.5
ABRIL	16.5	25.8	21.0	14.0	28.5	81.8	20.06	17.5	166.8	16	112.2
MAYO	16.0	25.0	20.4	13.4	30.7	83.5	19.78	17.3	217.2	16	124.3
JUNIO	16.7	25.0	20.6	15.0	27.3	83.9	20.20	17.6	99.2	21	126.4
JULIO	15.9	26.1	21.2	13.6	30.2	75.0	18.18	15.9	82.1	9	166.7
AGOSTO	16.0	26.0	20.8	13.8	29.5	78.7	18.88	16.6	139.8	11	155.9
SEPTIEMBRE	15.7	24.7	19.8	13.6	27.8	83.2	19.02	16.7	152.2	19	121.7
OCTUBRE	15.6	24.4	19.4	13.0	26.6	84.2	18.91	16.6	182.6	21	96.5
NOVIEMBRE	16.0	25.3	20.1	13.5	27.5	82.0	19.13	16.8	249.4	19	
DICIEMBRE	15.9	25.2	19.9	14.0	27.0	81.5	18.76	16.5	190.0	16	132.6
PROMEDIO	16.0	25.2	20.3	13.7	28.2	81.8	19.17	16.8			
TOTAL									2216.1	202	

ESTACION: PARAGUAYCITO MUNICIPIO: BUENAVISTA AÑO: 1.989

ALTITUD: 1.250 LATITUD: 4-23 N. LONGITUD: 75-44 W.

M E S – ENERO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.8	26.8	20.4	82.3	19.72	17.3	13.7	14.1	27.8	2.4
2	17.0	24.8	20.4	82.9	19.73	17.3	1.1	0.0	1.1	0.3
3	16.0	27.4	20.6	82.3	19.58	17.1	1.4	1.9	3.3	4.2
4	18.4	27.5	20.8	84.1	20.70	18.0	0.8	16.5	17.3	1.7
5	18.0	24.6	20.7	85.4	20.78	18.1	0.0	0.0	0.0	2.4
6	17.8	27.3	21.7	80.8	20.46	17.8	0.0	0.0	0.0	4.3
7	17.6	28.3	21.5	80.4	20.44	17.9	0.0	58.8	58.8	5.4
8	17.3	28.2	21.5	80.1	20.19	17.6	0.0	0.4	0.4	6.9
9	18.0	28.6	22.4	75.8	20.17	17.6	0.0	0.3	0.3	7.3
10	16.2	25.2	19.7	88.0	20.37	17.8	4.4	0.0	4.4	1.0
11	16.0	24.4	20.5	83.8	19.92	17.4	0.0	0.0	0.0	2.2
12	15.5	28.9	21.9	74.3	18.84	16.6	0.0	0.0	0.0	6.2
13	17.5	26.2	20.2	84.5	19.99	17.5	0.9	0.0	0.9	2.2
14	16.4	28.5	21.5	81.1	20.13	17.6	0.0	0.0	0.0	6.5
15	17.0	28.4	20.7	82.7	20.00	17.5	17.4	0.3	17.7	5.0
16	15.8	29.3	21.7	78.8	19.73	17.2	0.0	0.0	0.0	7.0
17	17.5	28.9	23.2	77.3	21.40	18.6	0.1	0.0	0.1	4.9
18	18.0	30.2	23.0	76.8	21.03	18.3	0.0	0.0	0.0	8.3
19	17.5	29.5	21.8	77.6	20.13	17.6	0.0	0.0	0.0	6.8
20	17.0	29.7	22.4	80.5	21.23	18.4	0.4	0.6	1.0	7.5
21	16.8	28.8	20.6	83.0	20.05	17.5	2.3	0.1	2.4	5.7
22	17.4	28.6	22.2	80.0	20.82	18.2	0.0	0.0	0.0	4.2
23	17.0	29.2	21.4	80.7	20.36	17.8	0.8	0.0	0.8	6.8
24	16.5	29.4	22.2	77.5	19.94	17.4	0.0	0.2	0.2	5.9
25	17.0	26.8	21.4	82.5	20.74	18.1	0.0	0.0	0.0	0.1
26	16.6	28.2	22.3	77.3	19.98	17.4	0.0	23.7	23.7	4.2
27	18.2	25.0	20.2	88.4	20.87	18.2	0.0	0.3	0.3	2.1
28	18.0	25.5	21.1	81.9	20.38	17.8	2.1	2.2	4.3	1.4
29	18.0	28.8	21.0	82.4	20.41	17.8	3.9	0.0	3.9	5.6
30	17.8	28.0	21.7	82.0	20.82	18.1	0.4	5.7	6.1	2.8
31	18.0	26.5	21.2	80.3	20.08	17.5	2.0	0.5	2.5	1.8
PROM.	17.2	27.7	21.4	81.1	20.29	17.7	51.7	125.6	177.3	133.1

M E S – FEBRERO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	25.4	20.9	81.7	19.91	17.4	0.0	0.0	0.0	0.3
2	17.0	27.5	22.1	78.0	20.17	17.6	2.9	9.6	12.5	3.2
3	17.8	27.4	21.3	80.7	20.06	17.5	0.0	50.4	50.4	2.4
4	16.0	24.4	19.7	81.1	18.39	16.2	0.0	0.0	0.0	0.6
5	15.5	26.4	20.9	79.1	18.95	16.6	0.0	0.0	0.0	2.2
6	15.3	29.3	21.4	77.1	18.89	16.6	0.0	0.0	0.0	8.3
7	17.0	28.8	21.7	80.7	20.41	17.7	0.2	4.2	4.4	6.4
8	17.0	28.9	21.2	79.2	19.85	17.4	0.0	0.4	0.4	5.2
9	17.3	26.0	20.8	84.9	20.62	18.0	1.3	0.6	1.9	1.3
10	18.2	26.5	21.5	82.6	20.88	18.2	1.9	1.5	3.4	1.6
11	18.3	25.8	20.0	85.3	20.18	17.7	2.3	0.0	2.3	1.4
12	17.5	27.4	21.2	79.8	19.74	17.3	9.0	0.1	9.1	7.4
13	16.5	27.5	21.6	79.7	19.92	17.4	0.0	0.0	0.0	5.2
14	16.0	28.5	20.8	81.4	19.75	17.3	11.7	7.1	18.8	6.3
15	17.5	28.4	22.5	74.9	19.78	17.3	0.8	25.9	26.7	5.4
16	18.0	29.0	22.7	73.0	19.38	17.0	0.0	10.4	10.4	8.9
17	16.5	26.6	20.7	82.1	19.80	17.3	1.4	0.0	1.4	4.4
18	15.5	28.8	21.8	73.7	18.68	16.4	0.0	0.0	0.0	8.5
19	15.0	29.0	22.3	73.3	18.77	16.5	0.0	0.0	0.0	5.6
20	16.8	25.6	21.4	80.0	19.93	17.5	0.0	0.2	0.2	0.7
21	17.5	25.8	21.7	81.7	20.88	18.2	0.0	0.0	0.0	1.0
22	17.5	26.4	20.5	87.0	21.28	18.5	1.1	5.4	6.5	3.3
23	18.2	23.0	20.1	88.2	20.89	18.2	1.0	0.4	1.4	0.2
24	16.0	28.6	22.0	77.4	19.68	17.2	0.0	0.0	0.0	7.9
25	17.2	28.2	22.3	78.0	20.23	17.6	0.0	22.8	22.8	3.9
26	17.6	27.8	21.4	82.4	20.86	18.2	0.6	0.0	0.6	2.8
27	17.8	29.5	23.4	75.5	20.93	18.2	0.0	0.0	0.0	6.1
28	18.0	30.0	23.5	72.3	20.03	17.5	0.2	0.0	0.2	7.2
PROM	17.0	27.4	21.5	79.7	19.96	17.4	34.4	139.0	173.4	117.7

ESTACION: PARAGUAYCITO MUNICIPIO: BUENAVISTA AÑO: 1.989

ALTITUD: 1.250 LATITUD: 4-23 N. LONGITUD: 75-44 W.

M E S – MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.2	32.2	24.6	74.1	21.82	18.8	0.0	0.0	0.0	10.1
2	17.0	31.0	24.3	68.3	19.14	16.6	0.0	0.0	0.0	9.4
3	17.2	28.5	22.6	79.2	21.04	18.3	0.0	0.0	0.0	4.2
4	17.5	29.2	22.4	79.2	21.06	18.3	0.8	40.7	41.5	3.9
5	17.4	22.5	19.8	89.2	20.42	17.8	2.0	0.0	2.0	0.0
6	17.5	29.5	22.2	78.6	20.52	17.9	0.0	0.7	0.7	6.9
7	17.0	26.9	21.2	80.1	19.86	17.4	1.8	0.8	2.6	4.1
8	18.0	28.5	21.1	80.5	19.94	17.4	8.6	0.9	9.5	3.5
9	16.5	29.4	21.3	80.6	19.99	17.5	0.0	0.0	0.0	3.2
10	17.5	29.6	22.3	74.8	19.95	17.5	0.0	0.0	0.0	4.2
11	17.8	26.8	20.6	83.2	20.61	18.0	15.7	0.5	16.2	0.9
12	18.0	26.0	22.0	81.2	21.00	18.3	0.0	3.1	3.1	1.2
13	18.1	25.3	20.9	87.8	21.78	18.9	0.4	2.1	2.5	1.7
14	18.0	24.0	19.6	88.4	20.43	17.8	42.1	0.0	42.1	0.0
15	17.0	26.8	20.9	82.8	20.45	17.9	0.4	30.1	30.5	2.2
16	15.5	23.8	19.6	86.6	19.51	17.1	0.0	0.0	0.0	0.0
17	16.5	28.7	21.5	75.5	18.89	16.6	0.0	0.0	0.0	7.4
18	16.0	28.6	22.1	73.9	19.35	17.0	0.0	0.0	0.0	5.6
19	17.0	28.8	22.4	75.2	19.47	17.1	0.0	0.0	0.0	7.5
20	18.0	27.0	21.9	78.6	20.39	17.8	0.0	5.1	5.1	3.5
21	17.5	29.4	23.1	69.0	18.68	16.4	0.0	0.0	0.0	7.4
22	18.0	28.8	23.1	69.4	19.13	16.8	0.0	0.0	0.0	7.0
23	15.5	30.1	22.2	70.8	18.15	16.0	0.0	0.3	0.3	7.9
24	16.5	27.4	21.1	78.7	19.35	17.0	0.0	0.0	0.0	3.0
25	16.0	30.3	22.9	68.4	18.23	16.1	0.0	0.0	0.0	9.7
26	16.8	25.4	20.7	81.6	19.75	17.3	0.3	0.0	0.3	1.2
27	17.0	26.0	21.7	77.3	19.49	17.1	0.0	24.4	24.4	3.3
28	16.8	22.5	19.2	85.9	19.00	16.7	16.2	0.0	16.2	0.0
29	14.8	28.8	21.7	73.6	18.22	16.0	0.0	0.0	0.0	9.5
30	14.0	30.0	20.9	71.5	18.77	14.7	3.2	0.0	3.2	9.4
31	14.5	27.5	21.7	74.3	18.32	16.0	0.0	0.0	0.0	5.1
PROM.	16.8	27.7	21.7	78.0	19.70	17.2	91.5	108.7	200.2	143.0

M E S – ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	28.6	21.9	75.8	19.38	17.0	0.0	0.2	0.2	4.2
2	17.0	29.3	22.7	78.6	20.89	18.2	8.1	0.0	8.1	6.5
3	18.7	26.2	20.2	88.7	21.49	18.6	8.8	0.0	8.8	1.2
4	15.0	28.4	21.7	80.4	20.10	17.5	0.0	0.3	0.3	6.0
5	18.8	26.8	21.9	80.3	20.90	18.2	0.0	0.0	0.0	3.1
6	16.5	28.4	21.6	80.1	20.34	17.8	0.2	0.0	0.2	2.7
7	18.0	30.1	22.7	76.2	20.42	17.8	0.0	0.0	0.0	7.7
8	18.2	30.6	23.0	77.1	21.44	18.6	1.9	0.0	1.9	7.0
9	19.0	26.4	21.9	81.6	21.77	18.9	0.7	0.0	0.7	0.6
10	16.4	28.3	21.7	81.1	20.69	18.0	0.0	0.0	0.0	3.4
11	15.5	29.0	23.1	75.1	20.39	17.7	0.0	0.0	0.0	4.8
12	17.5	28.6	22.8	78.3	21.17	18.4	0.0	0.0	0.0	1.9
13	18.5	30.4	23.2	77.6	21.60	18.7	0.0	0.0	0.0	5.1
14	18.4	25.4	20.2	93.0	22.20	19.2	12.0	0.2	12.2	0.0
15	17.2	27.0	21.1	82.7	20.73	18.1	0.2	0.0	0.2	1.4
16	16.0	29.6	23.6	75.5	21.38	18.6	0.0	0.0	0.0	7.2
17	18.4	31.2	25.1	71.2	21.74	18.8	0.0	0.0	0.0	8.7
18	17.6	28.4	22.9	75.5	21.09	18.4	0.0	0.0	0.0	3.5
19	18.2	30.0	23.0	76.4	21.06	18.3	0.0	0.0	0.0	3.8
20	17.0	29.1	23.5	71.1	19.94	17.4	0.0	0.0	0.0	4.0
21	17.4	30.8	24.6	73.0	21.85	18.9	0.0	0.0	0.0	8.1
22	17.6	30.7	24.6	72.2	21.80	18.9	0.0	0.0	0.0	6.9
23	19.5	30.0	24.7	74.2	22.52	19.4	0.0	0.1	0.1	4.8
24	20.0	25.6	21.9	85.5	22.58	19.4	10.0	0.0	10.0	0.2
25	15.4	30.0	22.9	74.7	20.26	17.7	0.0	0.0	0.0	7.1
26	17.0	28.0	21.4	85.3	22.10	19.1	6.8	31.7	38.5	1.9
27	18.5	29.2	22.3	80.6	21.68	18.8	0.6	55.0	55.6	5.8
28	18.0	28.2	22.0	75.3	19.51	17.1	0.2	2.6	2.8	3.6
29	17.8	29.5	21.7	82.3	21.40	18.6	0.8	16.4	17.2	4.8
30	17.0	27.0	21.6	77.9	19.76	17.3	0.1	0.0	0.1	3.3
PROM	17.5	28.7	22.5	78.6	21.07	18.3	50.4	106.5	156.9	129.3

ESTACION: PARAGUAYCITO MUNICIPIO: BUENAVISTA AÑO: 1.989

ALTITUD: 1.250 LATITUD: 4-23 N. LONGITUD: 75-44 W.

M E S - MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.5	27.0	20.2	84.2	20.15	17.6	19.7	28.4	48.1	
2	16.8	27.3	21.6	79.4	20.17	17.6	0.5	0.0	0.5	4.0
3	17.3	28.0	22.4	80.5	21.36	18.5	0.0	4.1	4.1	3.5
4	16.5	28.1	21.0	76.8	19.26	16.9	4.2	1.5	5.7	4.5
5	15.5	26.8	21.9	78.7	20.15	17.6	0.0	7.2	7.2	2.8
6	17.9	26.7	21.8	81.6	21.01	18.2	1.0	1.6	2.6	1.1
7	18.5	27.0	21.1	82.8	20.89	18.2	21.9	7.7	29.6	3.0
8	18.0	25.5	20.4	84.0	20.27	17.7	1.7	9.6	11.3	2.9
9	17.5	24.7	20.3	85.3	20.28	17.7	0.9	0.0	0.9	0.8
10	16.5	23.9	19.2	89.7	19.86	17.4	7.2	0.0	7.2	0.9
11	16.4	28.0	21.2	81.4	20.00	17.5	0.0	0.0	0.0	7.4
12	17.0	28.2	20.9	79.1	19.72	17.3	21.9	9.7	31.6	3.9
13	17.2	25.8	21.0	82.3	19.94	17.5	3.9	0.0	3.9	3.5
14	16.5	27.2	20.7	83.6	20.10	17.5	0.0	0.0	0.0	4.3
15	17.5	28.6	21.8	77.5	19.79	17.3	0.6	0.0	0.6	6.2
16	16.5	29.6	23.1	77.9	21.34	18.5	0.0	0.0	0.0	9.7
17	16.2	27.3	22.5	77.7	20.42	17.8	0.0	0.0	0.0	4.5
18	18.5	28.2	23.4	77.2	21.82	18.9	0.0	3.8	3.8	3.0
19	18.6	28.0	22.1	80.6	21.42	18.6	0.0	0.0	0.0	3.6
20	18.0	30.2	23.8	74.9	21.47	18.6	0.0	0.0	0.0	8.3
21	17.4	29.2	23.7	77.6	22.04	19.0	0.0	0.0	0.0	3.9
22	18.8	29.3	24.2	74.1	21.95	18.9	0.0	0.0	0.0	4.7
23	19.0	26.2	22.0	80.5	21.45	18.6	0.0	0.0	0.0	0.0
24	18.0	27.5	21.9	82.2	21.56	18.7	1.4	0.2	1.6	3.0
25	18.4	25.7	21.0	85.2	21.27	18.5	0.0	6.9	6.9	1.0
26	17.8	28.5	21.1	82.6	20.75	18.1	0.5	0.0	0.5	2.5
27	16.5	29.5	22.0	79.6	20.72	18.0	0.0	0.0	0.0	6.5
28	17.3	27.3	21.3	84.8	21.71	18.8	1.6	0.0	1.6	4.1
29	15.5	27.8	21.4	78.9	19.78	17.3	0.0	0.0	0.0	4.5
30	15.4	29.5	23.1	75.5	20.62	18.0	0.0	0.0	0.0	7.4
31	17.0	30.0	21.5	81.7	20.84	18.1	21.4	0.1	21.5	5.8
PROM.	17.2	27.6	21.7	80.6	20.71	18.0	108.4	80.8	189.2	

M E S - JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	28.5	20.5	81.6	19.99	17.5	38.9	0.8	39.7	4.4
2	16.8	28.0	22.4	76.9	20.05	17.4	4.4	19.1	23.5	3.9
3	18.0	24.2	21.0	86.2	21.43	18.6	0.6	0.1	0.7	0.7
4	16.5	29.0	21.3	79.3	19.75	17.3	0.2	0.0	0.2	6.2
5	17.8	27.0	21.6	82.8	21.24	18.4	1.5	0.0	1.5	2.8
6	18.5	25.2	21.0	85.0	21.43	18.6	3.1	2.9	6.0	2.2
7	18.0	25.8	19.7	89.4	20.47	17.9	3.4	0.0	3.4	2.6
8	16.4	28.5	22.7	78.6	20.90	18.1	0.0	2.3	2.3	6.5
9	18.0	28.8	22.5	81.1	21.60	18.7	2.0	0.0	2.0	4.0
10	19.4	28.6	21.8	81.5	21.36	18.5	0.0	1.0	1.0	6.1
11	17.4	28.4	22.3	78.8	21.04	18.3	0.4	0.4	0.8	2.9
12	18.0	27.6	21.9	82.0	21.20	18.4	2.7	0.3	3.0	4.8
13	17.6	27.5	21.0	80.5	19.82	17.3	1.1	1.2	2.3	2.4
14	16.5	29.7	22.0	77.8	19.98	17.5	0.0	0.0	0.0	8.2
15	17.0	29.0	22.1	79.9	20.69	18.0	0.5	0.0	0.5	7.2
16	16.0	29.2	21.9	73.9	18.78	16.5	0.0	0.0	0.0	8.0
17	17.5	28.5	21.8	79.7	20.66	18.0	0.0	0.0	0.0	4.8
18	17.8	26.5	21.5	82.6	21.04	18.3	0.2	0.0	0.2	3.3
19	18.4	26.8	21.2	76.7	19.45	17.1	0.0	0.0	0.0	1.7
20	17.5	28.3	21.9	79.2	20.39	17.8	0.0	0.0	0.0	2.1
21	18.0	28.2	21.7	81.1	20.92	18.2	0.3	0.0	0.3	3.9
22	18.8	27.0	21.7	83.6	21.72	18.8	9.3	9.4	18.7	2.8
23	17.8	23.5	19.8	85.3	19.88	17.4	2.1	0.0	2.1	0.8
24	16.5	24.6	20.1	83.3	19.46	17.1	0.9	1.1	2.0	1.3
25	16.6	26.2	20.7	84.8	20.53	17.9	1.9	0.0	1.9	2.5
26	16.2	28.5	22.4	73.8	19.09	16.7	0.0	6.4	6.4	5.8
27	17.8	26.2	21.3	81.7	20.35	17.7	0.1	0.2	0.3	3.0
28	17.5	28.2	22.4	76.1	19.93	17.4	0.0	0.0	0.0	9.2
29	16.5	29.5	22.5	76.1	20.01	17.4	0.0	0.0	0.0	9.2
30	17.5	27.6	22.1	77.3	19.93	17.4	0.0	1.3	1.3	3.1
PROM	17.5	27.5	21.6	80.6	20.44	17.8	73.6	46.5	120.1	126.4

ESTACION: PARAGUAYCITO MUNICIPIO: BUENAVISTA AÑO: 1.989

ALTITUD: 1.250 LATITUD: 4-23 N. LONGITUD: 75-44 W.

M E S - JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.3	28.0	22.0	79.0	20.51	17.8	0.1	0.0	0.1	3.8
2	16.4	29.1	22.1	78.9	20.47	17.9	0.0	0.0	0.0	5.6
3	15.5	29.5	22.4	73.5	19.27	16.9	0.0	0.0	0.0	7.7
4	14.2	27.5	21.8	73.5	18.14	15.9	0.0	0.0	0.0	7.0
5	16.5	27.4	21.6	77.7	19.68	17.3	0.0	0.0	0.0	3.6
6	14.5	27.8	22.4	73.0	18.97	16.6	0.0	0.0	0.0	4.3
7	14.4	27.5	21.6	77.5	19.55	17.1	0.0	0.0	0.0	5.3
8	17.5	27.6	22.0	74.9	19.53	17.1	0.0	4.6	4.6	6.4
9	16.0	28.6	21.3	77.5	19.06	16.7	0.0	0.0	0.0	5.6
10	15.0	30.5	22.2	64.7	15.96	13.8	0.0	0.0	0.0	7.7
11	14.0	28.4	22.0	74.1	18.69	16.3	0.0	0.0	0.0	7.4
12	15.0	31.6	23.9	59.3	15.55	13.3	0.0	0.0	0.0	8.8
13	16.0	30.0	24.0	62.4	17.04	14.9	0.0	0.0	0.0	7.4
14	15.5	29.2	22.3	71.2	18.18	16.0	0.0	0.0	0.0	5.1
15	16.5	33.5	25.1	58.0	16.58	14.4	0.0	0.0	0.0	10.1
16	17.0	30.0	22.9	71.3	19.29	16.9	0.0	0.0	0.0	2.2
17	16.0	26.5	22.0	74.9	18.89	16.6	0.0	0.0	0.0	3.2
18	15.0	28.8	22.3	72.2	18.42	16.1	0.0	0.0	0.0	5.3
19	17.0	30.0	22.6	78.1	21.22	18.4	1.0	0.0	1.0	5.3
20	18.0	26.5	20.8	84.5	21.06	18.3	0.4	0.0	0.4	0.8
21	17.0	24.2	20.5	82.2	19.52	17.1	0.1	0.0	0.1	0.3
22	17.0	27.5	20.7	82.3	20.19	17.6	1.9	0.0	1.9	1.2
23	15.5	27.8	21.1	77.4	19.11	16.8	0.4	0.0	0.4	3.6
24	17.5	27.5	21.4	78.4	19.54	17.0	0.7	14.1	14.8	2.4
25	17.0	26.6	21.1	81.8	20.26	17.7	2.0	28.0	30.0	3.0
26	17.3	24.0	20.1	82.8	19.28	16.9	0.2	0.2	0.4	0.3
27	17.5	28.5	23.2	73.4	19.94	17.4	0.0	0.0	0.0	5.5
28	16.6	28.7	23.0	74.0	19.81	17.3	0.0	0.0	0.0	6.7
29	17.5	29.0	23.3	71.6	19.59	17.2	0.0	22.4	22.4	7.7
30	16.3	29.5	23.1	71.4	18.88	16.6	0.0	0.0	0.0	10.4
31	17.6	30.2	23.5	72.1	20.28	17.7	0.0	0.5	0.5	7.4
PROM.	16.3	28.4	22.2	74.3	19.11	16.7	6.8	69.6	76.6	161.1

M E S - AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	19.0	28.0	22.9	74.6	20.39	17.8	0.0	0.0	0.0	2.3
2	16.5	28.6	23.2	72.4	19.88	17.4	0.0	0.0	0.0	6.0
3	15.6	29.5	22.5	74.3	19.30	16.9	0.2	0.0	0.2	7.8
4	15.0	29.8	23.2	69.3	18.42	16.2	0.0	0.0	0.0	9.8
5	16.3	29.5	22.9	74.7	19.95	17.5	0.0	0.0	0.0	4.2
6	17.2	30.2	22.1	75.2	19.71	17.3	0.0	0.0	0.0	3.9
7	14.5	30.8	23.4	66.3	17.38	15.3	0.0	0.0	0.0	10.2
8	16.0	31.4	21.7	78.0	19.95	17.5	3.2	0.0	3.2	7.4
9	17.0	30.0	21.4	78.1	19.64	17.2	0.2	0.0	0.2	5.5
10	17.5	28.2	22.2	77.3	20.24	17.6	0.0	0.0	0.0	6.8
11	17.0	29.0	21.4	74.9	18.89	16.6	0.0	0.0	0.0	2.5
12	14.5	28.6	22.0	74.9	18.83	16.5	0.0	0.0	0.0	4.6
13	17.5	28.0	22.4	77.3	21.11	18.3	0.0	0.0	0.0	3.3
14	17.0	29.0	22.9	73.6	19.48	17.1	0.0	0.0	0.0	5.4
15	18.4	29.4	23.1	75.8	20.98	18.2	0.0	0.0	0.0	3.9
16	18.0	25.5	21.5	83.2	21.28	18.5	0.0	0.0	0.0	0.0
17	16.2	29.8	22.7	72.1	18.94	16.6	0.0	0.0	0.0	4.6
18	16.0	32.0	23.9	68.9	19.07	16.8	0.0	0.0	0.0	7.7
19	17.0	30.0	21.8	76.0	19.69	17.3	0.0	0.0	0.0	3.3
20	18.0	28.0	21.1	81.2	20.24	17.6	0.5	0.0	0.5	4.8
21	16.6	27.5	20.5	82.1	19.60	17.2	11.3	3.6	14.9	2.9
22	16.5	28.2	22.1	75.9	19.40	16.9	0.0	0.0	0.0	5.3
23	17.5	26.8	20.1	84.3	19.92	17.4	0.6	1.7	2.3	1.3
24	17.0	29.5	23.2	71.9	19.43	17.1	0.0	0.0	0.0	8.8
25	16.5	29.4	23.4	68.4	18.79	16.5	0.0	0.0	0.0	6.8
26	18.0	27.6	20.9	81.7	20.15	17.6	5.1	0.1	5.2	4.3
27	17.5	29.0	22.9	75.4	20.10	17.6	0.0	0.0	0.0	4.4
28	17.3	29.2	21.2	81.3	20.39	17.8	8.7	0.0	8.7	5.4
29	17.5	25.0	20.5	85.6	20.70	18.1	7.7	14.8	22.5	1.0
30	17.0	26.0	20.4	85.9	20.61	18.0	0.8	0.3	1.1	3.1
31	16.0	28.0	21.5	80.7	20.21	17.7	0.4	0.0	0.4	5.0
PROM	16.8	28.8	22.1	76.5	19.76	17.3	38.7	20.5	59.2	152.3

ESTACION: PARAGUAYCITO MUNICIPIO: BUENAVISTA AÑO: 1.989

ALTITUD: 1.250 LATITUD: 4-23 N. LONGITUD: 75-44 W.

M E S - SEPTIEMBRE

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	29.5	21.7	77.2	19.51	17.1	0.0	0.0	0.0	8.5
2	17.0	29.4	21.6	78.4	20.05	17.5	0.7	0.1	0.8	6.0
3	16.5	29.2	20.2	81.3	19.27	16.9	37.3	18.6	55.9	7.0
4	17.2	28.5	22.6	73.5	19.30	16.9	1.1	0.6	1.7	7.0
5	17.5	23.5	20.8	85.8	20.96	18.2	0.0	13.3	13.3	0.2
6	17.0	25.0	20.5	83.4	19.96	17.5	0.0	0.2	0.2	1.9
7	18.0	27.5	21.5	84.1	21.47	18.6	0.3	0.0	0.3	3.2
8	16.2	27.3	21.0	83.4	20.58	18.0	0.1	0.0	0.1	4.7
9	15.4	27.5	20.0	82.4	19.11	16.7	2.1	0.0	2.1	2.1
10	17.0	28.3	22.0	78.1	20.09	17.5	0.0	0.0	0.0	3.2
11	16.9	28.5	21.0	78.9	19.40	17.0	2.5	24.0	26.5	4.4
12	17.5	28.0	22.5	73.9	19.46	17.1	0.0	0.1	0.1	5.5
13	18.0	27.8	22.8	73.3	19.64	17.2	10.5	0.2	10.7	5.8
14	17.5	28.0	22.3	76.0	19.58	17.2	0.0	0.0	0.0	5.1
15	15.5	29.5	22.4	74.9	19.28	16.8	0.0	0.0	0.0	9.1
16	17.5	29.4	22.8	76.8	20.92	18.2	0.0	0.0	0.0	7.5
17	16.5	29.5	21.2	79.9	19.91	17.4	16.6	0.1	16.7	4.8
18	17.5	25.5	20.7	84.0	20.43	17.8	2.8	0.7	3.5	3.0
19	15.0	27.0	20.1	82.9	19.20	16.8	0.2	0.0	0.2	4.4
20	18.0	24.0	20.4	88.4	21.26	18.5	0.8	0.0	0.8	0.2
21	18.2	27.0	20.5	80.2	19.51	17.1	1.3	20.1	21.4	3.5
22	16.2	24.5	19.2	84.3	18.74	16.5	8.1	0.0	8.1	0.6
23	15.0	27.6	21.0	78.0	18.77	16.9	0.0	0.1	0.1	4.5
24	16.5	28.2	22.1	76.2	19.74	17.3	0.0	0.0	0.0	5.3
25	17.0	27.5	21.4	85.5	21.15	18.4	4.2	1.0	5.2	6.9
26	17.5	26.8	20.8	80.7	19.55	17.1	0.0	0.0	0.0	3.2
27	17.2	26.5	20.9	79.2	19.30	16.9	0.0	0.0	0.0	2.3
28	17.5	21.5	18.9	89.4	19.66	17.2	0.6	1.0	1.6	0.0
29	15.5	28.4	21.1	76.5	18.54	16.3	0.0	0.0	0.0	4.4
30	16.8	29.0	22.6	76.0	20.61	18.0	0.0	0.0	0.0	6.7
PROM.	16.8	27.3	21.2	80.1	19.83	17.3	89.2	80.1	169.3	131.0

M E S - OCTUBRE

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	29.0	22.9	77.0	20.62	17.9	0.0	0.0	0.0	5.5
2	18.6	27.8	20.5	84.6	20.61	18.0	10.0	0.0	10.0	3.2
3	18.0	27.5	20.7	81.3	19.92	17.4	14.7	0.3	15.0	3.1
4	17.0	27.0	21.5	80.9	20.45	17.8	0.2	5.4	5.6	4.3
5	16.0	26.8	20.6	83.3	19.85	17.3	0.0	0.0	0.0	3.9
6	15.5	29.2	22.7	73.5	19.17	16.8	0.0	1.2	1.2	8.1
7	18.5	29.0	23.1	73.1	19.99	17.5	0.0	0.0	0.0	6.8
8	16.2	28.4	20.8	75.7	18.97	16.7	9.6	0.0	9.6	2.8
9	17.5	26.5	21.1	81.7	20.47	17.9	0.4	0.0	0.4	2.7
10	16.2	27.5	20.5	83.3	20.02	17.5	2.4	24.3	26.7	2.7
11	16.0	24.5	19.8	86.2	19.58	17.1	7.0	1.6	8.6	1.9
12	17.5	25.8	20.1	90.5	21.41	18.6	2.2	0.0	2.2	2.6
13	17.0	27.4	20.6	81.5	19.62	17.2	3.8	4.3	8.1	4.2
14	18.0	27.2	21.0	83.1	20.74	18.1	1.3	0.0	1.3	3.2
15	16.5	24.5	19.8	89.6	21.02	18.3	0.6	0.0	0.6	1.4
16	16.0	28.5	21.0	83.8	20.35	17.7	0.4	1.0	1.4	4.3
17	15.5	25.0	20.7	84.8	20.79	18.1	0.0	1.1	1.1	0.2
18	17.0	26.8	21.6	78.7	19.76	17.3	0.0	3.8	3.8	4.2
19	17.5	28.8	21.4	81.2	20.45	17.9	0.7	0.0	0.7	5.9
20	15.5	29.2	21.9	80.3	20.48	17.8	0.0	0.1	0.1	8.3
21	18.0	27.5	21.1	83.5	21.12	18.3	0.0	0.0	0.0	2.9
22	17.0	28.0	21.4	81.6	20.46	17.8	0.9	3.7	4.6	4.8
23	18.0	26.0	20.6	83.1	20.36	17.8	0.1	4.9	5.0	2.8
24	18.2	27.0	20.6	83.0	20.37	17.8	15.4	0.0	15.4	3.4
25	17.0	25.8	21.2	86.2	21.67	18.7	0.2	0.0	0.2	3.5
26	17.1	27.0	21.4	82.3	20.70	18.0	0.0	0.1	0.1	2.8
27	18.0	25.5	21.9	81.9	21.24	18.4	0.0	0.7	0.7	1.4
28	18.5	24.5	20.3	89.3	21.46	18.6	5.0	0.0	5.0	0.6
29	15.4	27.5	21.8	78.4	19.88	17.3	0.0	0.0	0.0	3.9
30	18.0	28.5	20.5	84.1	20.54	17.9	39.9	3.3	43.2	4.2
31	16.2	28.9	21.9	78.6	20.35	17.7	1.6	52.1	53.7	6.5
PROM	17.0	27.2	21.1	82.1	20.40	17.8	116.4	107.9	224.3	116.1

ESTACION: PARAGUAYCITO MUNICIPIO: BUENAVISTA AÑO: 1.989

ALTITUD: 1.250 LATITUD: 4-23 N. LONGITUD: 75-44 W.

M E S — NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.2	26.8	21.5	79.0	19.79	17.3	10.2	0.0	10.2	2.7
2	16.5	26.5	21.4	81.4	20.51	17.9	0.0	0.3	0.3	2.9
3	17.2	27.5	21.5	84.0	21.36	18.5	0.4	2.7	3.1	2.5
4	18.5	24.5	20.0	90.0	21.52	18.7	4.4	0.0	4.4	0.2
5	15.0	28.0	21.1	82.0	20.08	17.5	0.0	0.0	0.0	6.3
6	17.0	28.8	23.0	73.5	20.03	17.5	0.0	10.0	10.0	7.9
7	17.5	27.8	21.5	77.4	19.19	16.7	0.9	8.9	9.8	4.9
8	17.4	27.0	21.3	77.4	19.16	16.8	0.0	0.0	0.0	4.0
9	17.5	28.8	22.1	74.5	19.40	17.0	0.0	0.0	0.0	8.2
10	17.4	27.9	21.9	77.2	19.69	17.2	0.0	43.2	43.2	3.9
11	17.0	24.2	19.5	80.4	18.19	16.0	0.0	0.0	0.0	0.0
12	16.6	26.5	21.1	76.4	18.70	16.4	0.0	0.0	0.0	3.4
13	17.5	26.6	20.6	82.5	20.03	17.5	0.0	0.0	0.0	1.7
14	16.5	28.5	22.7	73.5	19.62	17.1	0.0	0.0	0.0	6.3
15	18.0	29.5	22.5	75.9	20.34	17.8	0.0	0.0	0.0	7.5
16	17.6	29.6	22.4	80.8	21.42	18.6	0.0	19.0	19.0	6.6
17	18.5	27.4	21.5	84.2	21.31	18.5	1.3	0.1	1.4	3.4
18	18.0	27.0	22.3	83.1	21.84	18.9	0.0	0.0	0.0	4.2
19	17.8	29.8	23.2	77.2	21.48	18.6	0.1	0.0	0.1	4.9
20	18.0	29.4	21.8	79.5	21.01	18.3	9.4	13.0	22.4	5.5
21	17.5	25.0	19.8	88.7	20.85	18.2	1.2	0.0	1.2	0.6
22	16.0	26.5	20.9	83.1	20.27	17.7	0.3	0.0	0.3	5.0
23	18.8	29.5	22.9	80.3	21.81	18.8	0.0	0.0	0.0	3.2
24	18.6	28.8	21.7	80.1	20.90	18.2	0.3	0.0	0.3	2.3
25	15.5	29.4	21.7	81.7	20.83	18.1	0.0	0.0	0.0	3.6
26	17.0	29.6	22.7	76.1	20.40	17.8	0.0	0.0	0.0	8.2
27	17.1	29.8	22.3	76.5	20.14	17.6	0.0	0.0	0.0	7.2
28	18.0	28.0	21.8	81.0	21.02	18.3	0.8	1.1	1.9	4.3
29	18.5	25.5	20.9	91.1	22.39	19.3	3.0	12.4	15.4	1.8
30	17.5	26.0	21.8	81.8	20.96	18.2	0.2	12.0	12.2	1.6
PROM.	17.4	27.7	21.6	80.3	20.47	17.8	32.5	122.7	155.2	124.8

M E S — DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.5	28.0	21.2	81.2	20.49	17.9	3.9	7.4	11.3	4.6
2	16.5	25.0	19.1	82.1	18.32	16.1	0.2	0.0	0.2	0.4
3	18.8	28.8	22.7	75.2	20.60	18.0	0.0	7.7	7.7	8.3
4	18.0	25.0	19.8	85.7	19.69	17.2	0.1	0.6	0.7	1.5
5	17.4	26.8	20.0	81.8	19.31	16.9	39.1	0.4	39.5	3.5
6	16.5	27.5	20.9	78.5	19.18	16.8	0.3	0.0	0.3	5.7
7	17.5	28.5	21.9	79.4	20.51	17.9	0.0	0.0	0.0	5.5
8	16.5	28.0	22.7	76.6	20.21	17.6	0.0	0.0	0.0	6.6
9	18.0	28.5	22.2	81.0	21.57	18.7	0.0	10.5	10.5	5.1
10	17.0	26.5	20.9	84.2	20.60	17.9	0.0	0.0	0.0	0.9
11	16.5	27.5	22.0	79.7	20.64	18.0	0.7	0.0	0.7	4.7
12	18.0	28.2	21.7	80.1	20.41	17.8	0.0	0.0	0.0	2.9
13	18.5	26.8	21.6	82.4	21.09	18.3	0.0	0.0	0.0	1.8
14	17.5	27.8	22.4	79.1	20.96	18.2	0.0	0.0	0.0	2.5
15	16.0	28.5	21.5	76.3	19.01	16.7	0.0	0.0	0.0	6.6
16	14.5	26.5	20.7	77.2	18.31	16.1	0.0	0.0	0.0	4.3
17	15.2	27.6	21.7	78.4	19.83	17.3	0.0	0.0	0.0	6.0
18	15.0	29.5	22.1	75.9	19.40	17.0	0.0	0.0	0.0	8.6
19	14.5	29.4	22.2	70.3	17.88	15.7	0.0	0.0	0.0	9.0
20	15.0	29.6	22.7	70.8	18.53	16.3	0.0	0.0	0.0	8.0
21	16.0	29.8	22.2	75.6	19.78	17.3	0.2	0.0	0.2	8.4
22	16.2	29.5	23.0	72.1	19.29	16.9	0.0	0.0	0.0	8.3
23	16.5	26.7	21.2	79.9	19.71	17.3	0.0	0.0	0.0	3.3
24	17.0	27.5	20.5	82.6	20.18	17.6	7.8	0.2	8.0	3.2
25	17.4	27.0	21.6	79.7	20.43	17.9	0.0	19.1	19.1	2.7
26	17.8	28.2	21.1	81.8	20.34	17.8	0.0	20.3	20.3	4.5
27	18.0	26.6	20.7	82.6	20.16	17.6	9.7	6.0	15.7	1.7
28	17.8	25.0	20.6	82.9	20.05	17.5	2.1	0.4	2.5	1.5
29	18.0	28.0	21.8	77.5	19.88	17.4	0.0	0.0	0.0	7.3
30	17.5	29.0	23.0	73.5	19.88	17.4	0.0	3.8	3.8	8.8
31	17.4	28.8	20.7	81.6	20.11	17.6	8.1	0.0	8.1	6.3
PROM	16.9	27.7	21.5	78.9	19.88	17.4	72.2	76.4	148.6	152.5

ESTACION: PARAGUAYCITO MUNICIPIO: BUENAVISTA AÑO: 1.989

ALTITUD: 1.250 LATITUD: 4-23 N. LONGITUD: 75-44 W.

MESES	TEMPERATURA oC					Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	17.2	27.7	21.4	15.5	30.2	81.1	20.29	17.7	177.3	21	133.1
FEBRERO	17.0	27.4	21.5	15.0	30.0	79.7	19.96	17.4	173.4	18	117.7
MARZO	16.8	27.7	21.7	14.0	32.2	78.0	19.70	17.2	200.2	16	143.0
ABRIL	17.5	28.7	22.5	15.0	31.2	78.6	21.07	18.3	156.9	16	129.3
MAYO	17.2	27.6	21.7	15.4	30.2	80.6	20.71	18.0	189.2	19	
JUNIO	17.5	27.5	21.6	16.0	29.7	80.6	20.44	17.8	120.1	23	126.4
JULIO	16.3	28.4	22.2	14.0	33.5	74.3	19.11	16.7	76.6	12	161.1
AGOSTO	16.8	28.8	22.1	14.5	32.0	76.5	19.76	17.3	99.2	11	152.3
SEPTIEMBRE	16.8	27.3	21.2	15.0	29.5	80.1	19.83	17.3	169.3	20	131.0
OCTUBRE	17.0	27.2	21.1	15.4	29.2	82.1	20.40	17.8	224.3	26	116.1
NOVIEMBRE	17.4	27.7	21.6	15.0	29.8	80.3	20.47	17.8	155.2	17	124.8
DICIEMBRE	16.9	27.7	21.5	14.5	29.8	78.9	19.88	17.4	148.6	16	152.5
PROMEDIO	17.0	27.8	21.7	14.9	30.6	79.2	20.14	17.6			
TOTAL									1850.3	215	

ESTACION: EL JAZMIN MUNICIPIO: STA. ROSA DE C. AÑO: 1.989

ALTITUD: 1.600 LATITUD: 4-55 N. LONGITUD: 75-38 W.

M E S — ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.0	23.8	18.0	85.6	18.06	15.9	7.9	2.8	10.7	1.7
2	15.4	22.2	18.7	87.5	18.89	16.6	0.0	0.0	0.0	0.4
3	15.8	23.8	19.4	82.1	18.49	16.2	0.2	31.7	31.9	2.0
4	16.5	23.2	18.4	81.6	17.52	15.4	0.4	19.3	19.7	0.8
5	15.1	22.4	18.3	86.0	18.07	15.9	0.0	0.0	0.0	0.3
6	15.4	24.5	19.9	78.3	18.20	16.0	0.0	0.0	0.0	3.6
7	16.4	25.2	19.8	78.8	17.91	15.7	0.0	33.7	33.7	3.6
8	15.2	25.1	19.4	82.4	18.38	16.2	0.0	0.0	0.0	5.5
9	15.3	25.5	19.8	73.5	16.89	14.8	0.0	0.4	0.4	5.7
10	15.8	23.0	18.6	83.3	18.04	15.9	0.0	0.0	0.0	1.4
11	15.0	22.9	18.6	78.9	16.88	14.8	0.0	0.0	0.0	1.7
12	15.1	24.8	19.1	80.4	17.73	15.6	0.6	3.3	3.9	4.1
13	15.9	25.1	18.3	85.9	18.12	16.0	3.5	0.6	4.1	2.4
14	15.4	24.6	19.3	82.0	18.26	16.0	0.0	0.1	0.1	2.4
15	16.0	24.8	19.2	79.4	17.77	15.6	0.3	0.0	0.3	3.2
16	14.8	26.5	20.5	72.7	17.23	15.2	0.0	13.9	13.9	5.1
17	16.5	25.9	20.6	79.7	18.87	16.6	0.0	6.1	6.1	4.0
18	16.8	26.6	20.3	79.5	18.77	16.5	0.0	0.2	0.2	5.0
19	16.6	26.7	19.4	81.3	18.42	16.2	12.3	0.0	12.3	3.4
20	16.2	24.0	20.1	75.0	17.67	15.6	0.2	0.0	0.2	2.0
21	16.0	24.8	20.1	75.2	17.60	15.5	0.3	0.0	0.3	2.8
22	15.2	26.3	20.4	80.1	18.94	16.6	0.0	2.4	2.4	5.5
23	17.0	25.5	20.9	76.1	18.61	16.4	0.2	9.8	10.0	0.8
24	16.4	25.0	20.2	83.6	19.74	17.3	0.0	0.0	0.0	3.2
25	16.5	24.2	20.3	77.8	18.56	16.3	0.0	0.0	0.0	0.5
26	16.6	25.5	20.4	81.5	19.51	17.1	0.2	2.4	2.6	2.1
27	16.8	21.6	18.6	90.0	19.12	16.8	0.1	62.0	62.1	0.0
28	16.2	21.4	17.9	89.0	18.37	16.2	0.0	0.0	0.0	0.0
29	16.0	26.4	19.9	83.6	19.21	16.8	0.0	12.8	12.8	5.0
30	16.0	22.8	18.7	91.3	19.51	17.1	1.8	0.0	1.8	1.3
31	16.8	23.0	18.4	88.1	19.04	16.7	9.0	0.1	9.1	1.4
PROM.	15.9	24.4	19.4	81.6	18.34	16.1	37.0	201.6	238.6	80.9

M E S — FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.2	20.0	17.0	94.8	18.41	16.2	1.6	0.0	1.6	0.1
2	15.5	25.4	18.8	80.7	17.59	15.5	5.8	0.5	6.3	3.1
3	15.8	24.8	18.1	84.0	17.47	15.4	9.2	12.1	21.3	1.7
4	14.8	21.0	17.4	86.7	17.31	15.2	6.4	0.0	6.4	0.2
5	15.0	23.7	18.2	81.1	17.20	15.1	1.2	0.0	1.2	3.4
6	14.8	26.2	20.5	76.5	18.06	15.8	0.0	0.4	0.4	5.1
7	16.7	23.8	19.5	80.7	18.26	16.1	0.0	0.0	0.0	1.9
8	15.8	25.7	20.3	74.5	17.47	15.4	0.0	0.0	0.0	2.9
9	16.4	23.2	19.5	85.0	19.14	16.8	0.0	9.8	9.8	1.1
10	15.8	23.5	18.1	88.6	18.74	16.4	21.3	0.5	21.8	2.1
11	16.4	23.0	18.3	87.7	18.60	16.4	0.3	0.2	0.5	0.0
12	15.6	25.1	19.3	81.3	17.77	15.6	0.0	0.0	0.0	4.7
13	16.0	24.8	19.7	85.0	19.14	16.8	0.0	0.0	0.0	1.3
14	15.0	26.9	21.0	75.6	18.21	16.0	0.0	6.5	6.5	7.3
15	16.0	26.4	20.6	77.6	18.30	16.1	0.0	2.7	2.7	7.7
16	15.0	26.2	21.1	67.1	16.36	14.3	0.0	0.0	0.0	7.2
17	16.0	22.0	18.2	91.7	19.01	16.7	5.9	0.0	5.9	1.9
18	13.6	27.2	19.2	71.7	15.80	13.7	0.0	0.0	0.0	7.7
19	14.8	26.0	20.2	76.2	17.56	15.4	0.0	0.0	0.0	6.7
20	15.8	25.0	20.3	80.0	18.76	16.4	0.0	0.0	0.0	2.1
21	17.4	24.0	19.5	84.5	19.26	16.9	0.7	0.0	0.7	0.6
22	16.5	22.8	18.8	90.1	19.88	17.4	8.0	25.7	33.7	1.0
23	15.8	22.5	17.1	94.2	18.49	16.3	37.0	0.0	37.0	0.5
24	14.0	26.0	20.0	73.5	16.89	14.8	0.0	0.0	0.0	5.3
25	15.8	26.2	19.8	77.7	17.93	15.8	6.9	0.9	7.8	4.9
26	16.0	23.5	18.6	91.5	19.55	17.1	0.9	0.0	0.9	1.6
27	16.2	26.0	21.2	73.9	18.34	16.1	0.1	0.0	0.1	2.7
28	16.8	27.4	21.9	78.8	20.54	17.9	0.0	2.8	2.8	3.2
PROM	15.7	24.6	19.4	81.8	18.22	16.0	105.3	62.1	167.4	88.0

ESTACION: EL JAZMIN MUNICIPIO: STA. ROSA DE AÑO: 1.969

ALTITUD: 1.600 LATITUD: 4-55 N. LONGITUD: 75-38 W.

M E S — MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.9	29.0	22.5	67.5	17.79	15.6	0.0	0.0	0.0	8.2
2	17.5	27.2	22.2	72.4	19.41	17.0	0.0	0.7	0.7	4.8
3	16.0	25.5	20.8	79.9	19.45	17.0	0.0	80.7	80.7	2.1
4	17.2	24.0	20.6	76.7	18.42	16.2	0.0	0.0	0.0	2.8
5	16.5	20.6	18.3	90.7	19.04	16.7	3.0	0.0	3.0	0.0
6	15.5	26.2	19.9	77.5	17.99	15.8	8.3	26.6	34.9	6.6
7	15.3	24.0	20.2	83.9	19.36	16.9	1.9	0.0	1.9	2.2
8	16.4	23.8	17.7	93.5	19.00	16.7	9.3	0.0	9.3	1.7
9	16.0	25.2	20.0	81.1	18.84	16.6	0.0	0.0	0.0	3.3
10	16.2	28.0	21.8	73.6	18.73	16.4	0.0	0.9	0.9	6.3
11	17.2	25.8	20.9	76.5	18.81	16.6	5.1	0.2	5.3	2.2
12	16.7	24.0	19.5	84.3	19.11	16.8	4.5	49.4	53.9	1.4
13	16.0	22.5	18.5	86.0	18.32	16.1	21.5	10.1	31.6	1.5
14	16.2	22.3	17.8	90.8	18.83	16.5	17.8	1.2	19.0	0.0
15	15.3	24.0	19.0	83.0	18.33	16.1	0.0	15.6	15.6	1.1
16	14.9	23.2	18.3	87.0	18.13	15.9	0.0	16.2	16.2	0.2
17	15.8	27.2	20.3	78.9	18.27	16.1	0.6	0.0	0.6	4.1
18	15.7	26.4	19.1	77.3	17.51	15.4	0.9	0.0	0.9	4.9
19	14.8	23.6	19.0	83.1	18.18	16.0	1.1	0.0	1.1	4.8
20	16.3	22.1	18.4	89.7	19.23	16.9	8.1	0.0	8.1	
21	16.4	26.0	20.9	76.1	18.33	16.1	0.0	5.1	5.1	5.6
22	15.7	25.4	19.4	77.9	17.37	15.3	3.3	0.2	3.5	4.2
23	15.0	26.0	18.9	78.7	17.20	15.1	30.9	11.0	41.9	5.3
24	15.2	25.8	19.9	76.3	17.06	15.0	0.0	0.0	0.0	6.8
25	14.8	27.4	20.8	69.9	16.59	14.6	0.0	0.0	0.0	7.2
26	16.0	20.8	17.1	92.7	18.08	15.9	6.2	23.5	30.1	0.8
27	14.8	24.5	19.3	80.5	17.72	15.6	0.0	17.4	17.4	2.9
28	14.7	22.0	17.0	90.0	17.23	15.2	1.9	0.0	1.9	0.8
29	14.9	25.9	20.2	68.9	16.27	14.2	0.0	0.0	0.0	6.0
30	14.2	27.1	20.3	66.2	15.51	13.5	0.0	0.0	0.0	10.5
31	14.4	24.0	19.0	76.3	16.70	14.7	0.6	0.0	0.6	4.2
PROM.	15.8	24.8	19.6	80.2	18.09	15.9	125.0	259.2	384.2	

M E S — ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.5	24.3	19.3	79.9	18.00	15.8	0.0	1.8	1.8	2.8
2	16.0	24.5	19.9	78.2	17.78	15.6	0.1	0.5	0.6	1.8
3	15.7	23.2	19.2	87.4	19.56	17.1	0.0	0.0	0.0	0.9
4	15.2	26.2	21.7	73.4	18.65	16.3	0.0	29.2	29.2	6.3
5	15.6	24.0	19.5	83.0	18.65	16.4	0.0	0.0	0.0	1.3
6	15.0	26.4	20.3	73.5	17.33	15.3	0.0	0.0	0.0	4.0
7	16.3	26.8	21.0	74.7	18.44	16.2	0.0	0.1	0.1	5.7
8	16.4	27.0	21.3	76.1	19.19	16.8	0.0	0.0	0.0	5.8
9	17.0	23.0	19.1	93.3	20.62	17.9	1.2	0.0	1.2	0.0
10	16.2	25.0	19.8	79.3	18.36	16.2	1.8	0.0	1.8	0.8
11	15.5	27.6	21.7	71.3	18.21	16.0	0.0	0.0	0.0	6.8
12	17.7	24.4	21.0	81.8	20.36	17.7	0.0	0.0	0.0	0.0
13	17.2	27.5	22.0	76.3	19.77	17.3	0.0	32.0	32.0	4.4
14	17.4	23.3	19.7	83.2	18.97	16.7	8.6	0.0	8.6	0.0
15	16.0	24.5	19.3	80.9	18.48	16.2	23.1	0.0	23.1	0.9
16	15.0	26.2	20.4	75.3	18.10	15.9	4.5	7.5	12.0	5.0
17	15.7	28.4	22.1	71.5	18.46	16.2	0.0	9.6	9.6	8.0
18	17.2	27.0	21.7	77.0	19.85	17.3	0.0	0.0	0.0	4.6
19	16.4	26.0	21.6	74.8	19.07	16.7	0.0	0.0	0.0	5.5
20	17.0	24.8	20.4	83.5	20.07	17.6	0.0	0.0	0.0	2.4
21	17.2	27.5	21.5	76.3	19.61	17.2	0.0	0.0	0.0	5.3
22	17.1	26.5	20.8	80.1	19.88	17.4	0.0	4.0	4.0	3.8
23	17.5	26.7	21.8	80.1	20.63	18.0	0.4	68.9	69.3	5.1
24	15.2	23.0	19.2	87.0	19.23	16.9	1.9	0.0	1.9	1.2
25	15.8	27.0	21.3	76.5	19.49	17.1	0.0	0.0	0.0	4.4
26	17.8	25.3	19.2	87.8	19.52	17.2	6.4	0.0	6.4	2.0
27	16.4	26.8	21.3	79.0	19.75	17.3	0.0	31.0	31.0	3.6
28	15.6	27.1	21.3	70.2	17.50	15.3	0.0	9.7	9.7	6.5
29	17.1	25.7	19.5	87.6	19.94	17.5	10.4	4.4	14.8	2.1
30	15.9	24.6	20.1	85.0	19.90	17.4	4.4	0.0	4.4	1.4
PROM	16.3	25.7	20.6	79.5	19.11	16.8	62.8	198.7	261.5	102.4

ESTACION: EL JAZMIN MUNICIPIO: STA. ROSA DE C. AÑO: 1.989

ALTITUD: 1.600 LATITUD: 4-55 N. LONGITUD: 75-38 W.

M E S - MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.1	24.5	17.9	92.1	19.25	16.9	31.9	14.5	46.4	2.7
2	15.8	23.6	17.7	90.1	18.09	15.9	12.9	0.0	12.9	1.1
3	16.4	25.5	20.3	76.5	17.89	15.7	0.0	0.4	0.4	0.9
4	15.4	25.4	19.9	75.4	17.35	15.3	0.0	0.0	0.0	3.3
5	15.6	25.6	19.2	88.4	19.62	17.2	1.8	7.2	9.0	4.3
6	15.8	24.0	20.0	88.0	20.24	17.6	0.0	0.0	0.0	1.0
7	16.4	24.1	19.1	88.7	20.15	17.5	31.2	26.9	58.1	1.0
8	15.0	23.1	17.2	90.3	17.70	15.6	3.7	4.6	8.3	2.8
9	15.4	25.0	19.9	83.4	19.13	16.8	0.0	10.4	10.4	2.1
10	15.8	21.4	17.2	92.7	18.05	15.9	19.6	0.0	19.6	0.1
11	13.6	26.8	20.0	80.3	18.46	16.0	0.0	0.0	0.0	6.4
12	15.8	24.1	19.1	84.7	18.56	16.3	0.7	15.6	16.3	2.8
13	16.1	24.3	19.1	83.3	18.19	16.0	2.6	0.0	2.6	4.8
14	14.7	25.5	19.3	78.4	17.57	15.4	0.2	0.0	0.2	
15	15.6	27.0	20.6	75.8	18.35	16.1	0.0	0.2	0.2	6.7
16	16.4	28.7	22.4	68.4	18.08	15.9	0.0	0.0	0.0	9.7
17	17.2	27.5	21.8	72.6	18.93	16.6	0.0	0.0	0.0	5.6
18	17.8	26.1	20.9	82.7	20.44	17.8	0.0	14.0	14.0	2.0
19	17.2	26.4	20.6	76.7	18.49	16.2	0.5	0.0	0.5	2.7
20	16.8	28.2	21.9	71.9	18.67	16.4	0.0	0.0	0.0	6.6
21	16.2	27.4	21.4	75.8	18.73	16.4	0.0	0.0	0.0	4.5
22	17.8	28.6	23.0	75.7	20.91	18.1	0.0	0.0	0.0	6.2
23	17.5	24.0	19.2	91.4	20.46	17.8	0.0	0.0	0.0	1.3
24	17.0	24.9	19.6	88.4	20.28	17.7	9.5	1.1	10.6	0.4
25	15.7	21.5	18.6	93.9	20.02	17.5	6.4	29.1	35.5	0.2
26	16.5	24.8	19.5	93.4	20.74	18.0	5.0	7.6	12.6	3.6
27	15.9	25.8	18.8	83.7	18.66	16.4	1.1	0.0	1.1	3.6
28	14.6	23.8	18.6	81.1	17.67	15.4	31.7	1.8	33.5	2.9
29	14.5	24.5	19.9	79.7	18.40	16.1	10.7	0.0	10.7	4.0
30	15.0	28.0	22.4	68.6	18.05	15.9	0.0	0.2	0.2	8.3
31	17.8	27.4	20.7	78.8	19.49	17.1	5.5	20.8	26.3	3.3
PROM.	16.1	25.4	19.9	82.3	18.92	16.6	175.0	154.4	329.4	

M E S - JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.2	26.9	21.4	77.4	19.65	17.2	0.0	0.0	0.0	4.6
2	16.5	24.0	19.0	86.2	19.05	16.7	2.2	0.0	2.2	1.9
3	17.0	22.0	19.0	91.0	20.13	17.6	0.3	0.0	0.3	0.1
4	14.8	24.6	19.5	84.0	19.00	16.6	0.0	13.0	13.0	3.1
5	16.7	24.8	17.8	89.0	18.00	15.8	23.4	0.0	23.4	2.7
6	16.0	25.7	19.8	87.5	20.21	17.6	0.9	5.1	6.0	3.8
7	16.2	26.6	19.9	85.8	19.99	17.5	4.6	0.0	4.6	4.5
8	17.2	26.5	21.4	74.7	18.79	16.5	0.0	17.4	17.4	4.0
9	16.9	25.9	20.0	88.9	21.02	18.2	0.7	0.0	0.7	3.0
10	17.6	25.5	20.7	80.3	19.62	17.2	0.4	0.9	1.3	2.9
11	16.8	25.8	19.3	89.8	20.35	17.7	3.2	15.9	19.1	1.9
12	16.0	25.3	20.3	83.8	19.82	17.3	0.4	9.0	9.4	4.7
13	15.8	25.5	19.4	84.2	18.73	16.3	0.5	0.0	0.5	1.2
14	15.7	25.6	20.6	75.6	18.39	16.2	0.1	1.1	1.2	4.2
15	16.4	28.2	22.5	74.0	20.02	17.5	0.0	0.0	0.0	7.9
16	16.5	26.7	21.4	73.6	18.71	16.5	0.0	0.6	0.6	8.3
17	17.6	25.9	20.8	78.2	19.10	16.8	1.6	0.0	1.6	2.3
18	16.8	26.0	20.0	80.4	18.77	16.5	2.4	7.9	10.3	3.1
19	15.5	25.3	20.0	83.1	19.35	17.0	0.0	0.0	0.0	2.6
20	16.9	24.8	19.2	87.6	19.65	17.2	0.0	0.0	0.0	2.4
21	15.6	26.6	20.6	78.8	19.06	16.7	0.0	22.5	22.5	4.8
22	16.8	24.3	19.9	83.1	19.35	17.0	0.0	1.2	1.2	3.0
23	16.7	22.2	18.2	89.5	18.91	16.6	0.5	0.0	0.5	0.5
24	15.9	22.0	17.9	87.3	17.75	15.6	9.2	0.0	9.2	1.0
25	15.6	23.1	17.9	91.8	18.71	16.4	3.7	0.1	3.8	2.1
26	15.8	25.5	20.3	77.2	18.00	15.8	0.0	9.2	9.2	4.7
27	16.2	24.4	19.3	80.4	17.75	15.6	0.0	0.5	0.5	3.6
28	16.1	26.3	20.3	74.6	17.33	15.2	2.3	0.0	2.3	7.4
29	16.0	28.0	21.4	78.6	19.87	17.3	3.1	1.8	4.9	7.7
30	16.7	24.6	19.7	80.4	18.14	16.0	0.0	21.8	21.8	2.9
PROM	16.4	25.3	19.9	82.6	19.11	16.7	59.5	128.0	187.5	106.9

ESTACION: EL JAZMIN MUNICIPIO: STA. ROSA DE C. AÑO: 1.989

ALTITUD: 1.600 LATITUD: 4-55 N. LONGITUD: 75-38 W.

M E S — JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	25.0	19.6	87.7	19.82	17.3	3.6	0.0	3.6	6.3
2	16.5	25.4	20.2	80.3	18.63	16.4	0.0	0.0	0.0	5.1
3	15.2	27.0	20.8	69.1	16.54	14.5	0.0	2.4	2.4	8.1
4	15.4	25.4	20.7	72.7	17.45	15.3	0.0	0.0	0.0	5.1
5	16.5	23.2	18.9	84.6	18.51	16.3	0.1	10.7	10.8	2.0
6	15.9	25.1	20.2	78.6	18.26	16.1	0.4	0.0	0.4	4.3
7	16.8	23.2	19.0	87.6	19.24	16.9	1.2	7.2	8.4	1.4
8	16.0	24.0	20.1	81.9	19.05	16.7	0.0	9.6	9.6	4.6
9	15.8	23.2	19.0	79.5	17.27	15.2	5.9	0.0	5.9	3.6
10	14.8	25.0	19.3	76.6	16.99	15.0	0.0	0.0	0.0	2.2
11	14.9	26.8	20.0	70.1	16.18	14.1	0.0	0.0	0.0	5.8
12	15.0	28.0	21.4	68.3	16.98	14.9	0.0	0.0	0.0	7.5
13	16.9	28.5	22.4	69.5	18.28	16.1	0.0	0.0	0.0	9.2
14	16.2	28.2	21.8	70.8	18.18	16.0	0.0	0.0	0.0	6.8
15	16.8	29.2	22.7	61.1	16.37	14.4	0.0	0.0	0.0	9.6
16	16.9	26.2	21.0	73.7	18.33	16.1	0.0	0.0	0.0	2.2
17	15.7	26.8	21.3	74.4	18.46	16.2	0.0	0.0	0.0	5.2
18	15.0	27.1	21.3	74.9	18.40	16.2	0.0	0.0	0.0	6.0
19	17.2	27.0	21.3	80.8	20.37	17.8	0.4	25.0	25.4	3.3
20	16.0	23.6	17.5	93.5	18.74	16.5	7.0	0.0	7.0	1.7
21	15.9	23.0	19.1	81.7	17.91	15.8	0.0	0.0	0.0	0.4
22	16.8	22.9	19.5	83.3	18.75	16.5	3.6	0.2	3.8	0.3
23	15.8	24.0	18.9	80.4	17.88	15.7	13.0	0.0	13.0	2.1
24	15.5	23.8	19.4	83.2	18.45	16.2	0.0	12.7	12.7	2.7
25	16.5	25.1	18.2	85.1	18.58	16.3	59.6	0.0	59.6	
26	15.9	24.2	19.4	82.3	18.38	16.2	8.6	0.0	8.6	
27	17.2	25.2	21.1	79.9	19.55	17.1	0.0	0.0	0.0	
28	17.0	26.4	20.8	76.9	18.60	16.3	0.0	0.0	0.0	
29	16.8	26.2	21.3	74.9	18.66	16.4	0.0	14.2	14.2	8.7
30	15.4	27.4	21.0	76.2	18.07	15.8	0.0	0.0	0.0	
31	16.8	28.0	21.8	78.8	20.23	17.6	0.0	1.0	1.0	6.5
PROM.	16.1	25.6	20.3	78.0	18.29	16.1	103.4	83.0	186.4	

M E S — AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	26.0	20.4	82.3	19.77	17.3	0.4	0.0	0.4	3.8
2	16.4	28.2	21.3	77.5	19.23	16.9	0.0	0.0	0.0	4.8
3	16.5	27.9	21.8	74.7	19.08	16.7	0.0	0.0	0.0	
4	16.0	27.2	21.3	71.5	17.66	15.5	0.0	0.0	0.0	
5	16.1	26.8	21.5	78.4	19.63	17.2	0.0	3.9	3.9	6.5
6	15.8	25.5	18.8	83.0	17.99	15.8	0.0	0.0	0.0	5.6
7	13.8	28.2	21.9	63.8	15.96	13.9	0.0	0.0	0.0	10.4
8	17.4	27.5	21.5	72.9	18.45	16.2	0.0	3.5	3.5	5.0
9	15.7	27.0	20.6	75.2	18.05	15.8	0.0	0.0	0.0	5.8
10	16.8	25.1	19.8	81.5	18.74	16.5	1.3	0.0	1.3	4.5
11	16.7	25.3	20.0	82.4	19.24	16.9	0.0	0.0	0.0	3.4
12	15.4	26.2	21.1	75.3	18.48	16.2	0.0	0.5	0.5	4.5
13	16.8	23.9	19.1	90.0	19.99	17.5	9.1	0.0	9.1	0.4
14	16.3	26.5	20.8	76.4	18.56	16.3	0.0	0.0	0.0	4.1
15	17.8	28.0	21.7	79.2	20.35	17.8	0.0	10.5	10.5	5.1
16	16.0	25.1	20.0	84.0	19.49	17.1	0.0	0.0	0.0	0.3
17	16.1	26.5	21.3	77.7	19.54	17.1	0.0	0.0	0.0	4.8
18	16.8	28.0	21.5	74.2	18.77	16.4	0.0	0.0	0.0	5.7
19	17.5	26.0	22.1	81.0	20.97	18.2	0.0	0.0	0.0	3.8
20	17.0	23.5	19.8	85.8	19.55	17.1	2.2	2.2	4.4	3.8
21	15.5	25.1	19.9	89.2	20.91	18.2	5.3	1.9	7.2	4.6
22	16.7	25.8	20.8	76.8	18.42	16.2	0.0	0.0	0.0	
23	16.8	23.2	19.0	87.7	19.41	17.0	2.7	0.5	3.2	
24	15.9	28.0	21.5	73.4	18.09	15.9	0.0	0.0	0.0	
25	16.8	27.2	22.1	71.8	18.50	16.3	0.0	6.7	6.7	5.2
26	16.0	24.2	20.0	84.6	19.89	17.4	2.7	0.4	3.1	4.0
27	17.0	27.3	21.6	77.4	19.39	17.0	0.0	0.0	0.0	6.7
28	17.1	24.2	20.5	82.3	19.95	17.4	2.9	15.1	18.0	2.8
29	16.0	23.2	18.8	89.7	19.71	17.3	11.5	7.9	19.4	1.5
30	15.8	23.3	19.1	85.1	18.60	16.4	0.2	0.0	0.2	3.7
31	16.0	25.3	20.5	78.8	18.82	16.5	2.1	0.0	2.1	
PROM	16.4	26.0	20.6	79.5	19.07	16.7	40.4	53.1	93.5	

ESTACION: EL JAZMIN **MUNICIPIO:** STA. ROSA DE AGO: 1.989

ALTITUD: 1.600 **LATITUD:** 4-55 N. **LONGITUD:** 75-38 W.

M E S - SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.5	26.5	21.6	74.7	18.85	16.5	0.0	0.0	0.0	
2	17.0	27.1	21.2	72.7	18.48	16.2	0.1	0.0	0.1	3.2
3	15.8	27.0	21.2	76.0	18.96	16.6	0.0	11.6	11.6	3.7
4	16.7	28.2	21.0	82.9	20.26	17.7	1.9	0.7	2.6	3.2
5	16.5	23.2	19.2	86.4	19.25	16.9	0.9	1.5	2.4	0.8
6	16.8	24.0	18.8	92.3	19.94	17.4	4.3	0.2	4.5	2.0
7	17.0	25.8	19.3	85.1	19.46	17.1	18.1	0.0	18.1	1.8
8	16.7	26.5	20.1	82.2	19.37	17.0	0.0	0.0	0.0	4.0
9	17.4	23.8	19.3	83.7	19.14	16.8	15.7	0.1	15.8	1.3
10	16.7	27.0	19.9	81.9	18.90	16.6	0.3	5.7	6.0	1.6
11	15.8	24.2	19.1	87.2	19.04	16.6	1.1	1.6	2.7	2.9
12	15.9	26.4	20.8	80.4	19.52	17.1	0.1	1.6	1.7	4.1
13	16.5	23.5	20.0	79.9	18.42	16.2	4.1	15.5	19.6	4.0
14	16.7	25.4	20.5	81.9	19.48	17.1	0.6	0.0	0.6	3.4
15	15.4	27.0	21.4	69.5	17.05	15.0	0.0	0.0	0.0	8.9
16	17.0	26.0	21.1	79.9	20.01	17.4	0.2	0.0	0.2	4.0
17	16.9	25.7	20.7	83.5	20.49	17.8	0.6	15.1	15.7	4.3
18	16.7	23.5	19.2	85.3	18.96	16.7	0.0	0.0	0.0	0.8
19	15.4	26.0	18.5	87.9	18.90	16.6	1.6	1.7	3.3	3.2
20	16.5	23.0	19.1	86.5	19.24	16.9	0.0	2.8	2.8	0.0
21	16.4	24.8	18.8	86.3	18.98	16.6	0.2	7.1	7.3	1.8
22	15.8	21.4	17.5	93.2	18.89	16.6	11.7	0.0	11.7	0.1
23	14.7	27.2	19.2	81.4	18.51	16.2	6.1	0.6	6.7	7.0
24	16.1	27.0	20.3	78.4	18.17	15.9	0.2	0.6	0.8	6.3
25	16.8	26.0	21.3	78.2	19.44	17.1	0.0	20.1	20.1	5.7
26	15.6	23.0	18.0	91.8	18.67	16.4	5.4	0.0	5.4	1.0
27	16.2	23.7	19.1	82.3	18.10	15.9	0.4	0.3	0.7	0.2
28	16.5	18.7	16.6	95.7	18.22	16.1	22.0	0.0	22.0	0.0
29	14.8	23.4	19.2	85.5	18.75	16.5	0.0	0.0	0.0	2.5
30	15.7	25.0	20.3	75.4	17.90	15.8	0.1	0.0	0.1	4.3
PROM.	16.3	25.0	19.7	82.9	18.98	16.6	95.7	86.8	182.5	

M E S - OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.8	26.0	21.0	77.6	19.30	16.9	0.0	4.0	4.0	5.0
2	15.0	24.2	19.8	82.8	18.64	16.4	0.0	0.2	0.2	3.1
3	14.8	24.0	19.1	84.6	18.76	16.5	0.0	0.2	0.2	2.5
4	15.2	24.2	18.6	78.3	18.79	16.8	0.7	0.1	0.8	3.1
5	15.6	24.0	19.0	83.5	18.38	16.1	4.3	0.0	4.3	3.6
6	14.0	25.0	18.8	80.9	17.47	15.3	0.0	3.2	3.2	7.1
7	15.8	26.6	20.6	77.0	18.43	16.2	0.0	6.6	6.6	7.7
8	16.0	20.0	17.9	92.8	18.89	16.6	3.2	0.2	3.4	0.8
9	15.2	24.2	19.4	77.6	17.03	15.0	0.3	0.0	0.3	2.3
10	14.2	24.9	19.6	79.8	18.35	16.1	1.9	12.7	14.6	3.2
11	15.0	23.0	18.4	81.6	17.27	15.2	0.4	5.1	5.5	0.4
12	15.8	24.0	18.6	82.9	17.79	15.6	7.2	0.0	7.2	1.0
13	14.7	24.5	18.7	82.1	17.78	15.6	7.0	12.5	19.5	4.1
14	15.5	24.0	18.7	82.0	17.83	15.7	0.4	0.0	0.4	3.0
15	14.5	23.0	19.4	78.1	17.53	15.4	1.1	0.0	1.1	3.8
16	14.8	24.0	18.4	87.6	18.46	16.2	0.7	0.0	0.7	0.3
17	14.0	20.7	18.1	86.6	17.95	15.8	3.4	0.1	3.5	0.0
18	15.0	24.0	19.7	83.5	18.90	16.6	2.8	4.8	7.6	4.7
19	16.0	25.0	19.1	80.9	17.90	15.8	1.7	0.0	1.7	2.6
20	15.0	25.2	20.5	79.0	18.59	16.3	0.0	0.0	0.0	5.8
21	16.0	25.0	19.7	80.6	18.58	16.3	1.5	0.0	1.5	3.6
22	14.8	25.5	19.3	77.7	17.30	15.2	1.5	0.0	1.5	7.7
23	16.0	24.2	19.7	81.5	18.79	16.5	6.0	0.1	6.1	1.8
24	16.7	23.8	19.7	85.9	19.89	17.4	0.3	12.2	12.5	1.6
25	16.8	22.8	18.9	83.5	18.47	16.2	3.8	0.2	4.0	0.8
26	16.7	22.8	19.6	84.7	19.46	17.1	4.9	0.9	5.8	0.7
27	17.6	23.2	19.8	89.1	20.64	18.0	0.1	2.9	3.0	0.7
28	16.7	21.8	18.7	89.8	19.43	17.1	0.8	0.0	0.8	0.0
29	15.3	25.8	20.0	78.1	18.37	16.1	0.0	0.0	0.0	2.4
30	17.4	25.0	20.5	88.9	21.36	18.9	1.0	43.8	44.8	2.4
31	14.8	26.3	20.7	78.1	18.60	16.3	1.2	8.1	9.3	5.7
PROM	15.5	24.1	19.4	82.5	18.48	16.2	56.2	117.9	174.1	91.5

ESTACION: EL JAZMIN MUNICIPIO: STA. ROSA DE AÑO: 1.969

ALTITUD: 1.600 LATITUD: 4-55 N. LONGITUD: 75-38 W.

M E S – NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.1	23.0	19.0	85.8	18.65	16.4	0.0	0.0	0.0	2.4
2	16.2	25.4	18.6	90.2	19.48	17.0	5.3	0.0	5.3	3.9
3	16.9	25.7	20.4	80.8	19.29	16.9	0.0	0.0	0.0	2.6
4	17.5	20.3	18.8	91.7	19.87	17.4	0.9	0.0	0.9	0.0
5	16.7	26.8	19.9	80.0	18.69	16.5	0.0	0.0	0.0	5.9
6	16.3	27.5	21.3	79.4	19.95	17.4	0.0	19.2	19.2	7.4
7	16.7	23.6	19.3	83.6	18.72	16.5	2.1	1.1	3.2	1.1
8	16.8	23.8	19.9	79.6	18.46	16.2	0.2	0.7	0.9	2.2
9	15.8	27.2	20.3	75.5	17.56	15.4	0.0	0.2	0.2	7.1
10	16.9	25.0	19.5	81.0	18.47	16.2	13.2	17.7	30.9	1.4
11	15.0	19.0	16.9	83.7	15.92	13.9	3.8	0.0	3.8	0.5
12	15.7	23.5	18.6	81.1	17.24	15.1	0.0	0.0	0.0	1.0
13	16.0	23.9	19.2	79.7	17.92	15.8	0.0	0.0	0.0	0.9
14	15.4	27.3	20.4	77.7	18.63	16.4	4.9	0.1	5.0	5.5
15	17.0	26.2	20.1	81.0	19.26	16.9	3.3	0.0	3.3	2.9
16	17.2	26.4	21.3	78.5	19.65	17.2	0.4	27.8	28.2	4.5
17	16.8	26.2	20.6	82.8	20.00	17.5	0.0	0.0	0.0	3.5
18	16.7	26.7	21.3	82.3	20.87	18.1	0.0	1.3	1.3	3.7
19	17.8	27.2	21.8	78.0	20.10	17.6	0.0	1.0	1.0	5.5
20	18.0	27.0	20.9	79.3	20.15	17.6	7.6	12.1	19.7	4.2
21	16.0	22.0	19.1	90.1	20.19	17.6	0.2	0.0	0.2	0.0
22	16.4	25.8	20.1	79.2	18.83	16.6	19.2	22.4	41.6	4.2
23	16.8	26.1	21.9	78.3	20.38	17.8	0.0	18.3	18.3	2.1
24	16.3	25.4	19.3	86.9	19.47	17.1	0.7	1.0	1.7	2.0
25	15.8	24.4	19.0	86.3	19.22	16.8	0.6	0.0	0.6	0.8
26	15.7	26.0	20.5	78.0	18.80	16.5	0.0	0.0	0.0	4.6
27	16.4	27.8	21.4	74.6	19.16	16.8	0.0	0.0	0.0	5.2
28	17.0	26.8	21.8	77.1	20.16	17.5	0.0	0.0	0.0	3.6
29	17.4	23.5	19.5	87.7	20.32	17.7	4.6	2.6	7.2	0.2
30	16.9	25.0	20.0	87.7	20.37	17.8	4.8	32.0	36.8	3.5
PROM.	16.5	25.2	20.0	81.9	19.19	16.8	71.8	157.5	229.3	92.4

M E S – DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.9	26.2	20.0	83.0	19.48	17.1	4.2	12.8	17.0	2.8
2	16.5	21.1	17.8	90.7	18.73	16.5	9.9	0.0	9.9	0.1
3	15.8	27.1	19.6	77.7	17.47	15.3	22.5	4.8	27.3	5.9
4	16.8	22.2	18.4	87.7	19.08	16.7	17.9	0.0	17.9	0.0
5	16.0	22.7	19.0	86.6	19.03	16.7	0.7	3.2	3.9	0.5
6	16.2	26.0	19.9	76.2	17.85	15.7	0.5	0.0	0.5	3.9
7	17.1	26.4	21.0	76.2	19.08	16.7	0.0	0.0	0.0	4.2
8	17.0	27.6	21.5	73.3	18.41	16.2	0.0	0.0	0.0	6.0
9	17.6	27.2	21.3	78.8	19.88	17.4	0.0	42.7	42.7	5.1
10	16.2	24.5	20.1	83.6	19.41	17.0	0.0	3.2	3.2	1.2
11	17.3	26.5	20.9	81.4	19.94	17.5	0.0	6.2	6.2	5.0
12	17.2	25.1	20.6	79.6	19.24	16.9	0.0	0.0	0.0	4.4
13	17.6	25.3	20.8	81.8	20.01	17.5	0.0	0.0	0.0	2.3
14	17.4	25.0	20.4	83.2	19.82	17.3	0.0	0.7	0.7	1.3
15	16.2	26.0	20.4	76.2	18.19	16.0	0.0	1.2	1.2	3.9
16	15.4	26.8	20.2	76.0	17.97	15.7	0.0	0.0	0.0	5.9
17	16.6	27.8	20.6	73.0	17.59	15.3	0.2	0.0	0.2	8.5
18	17.0	27.0	21.7	72.7	18.84	16.5	0.1	0.5	0.6	5.2
19	15.7	27.2	21.0	68.8	17.09	15.0	0.0	0.0	0.0	4.2
20	16.6	27.8	21.2	70.4	17.46	15.4	0.0	0.0	0.0	7.5
21	16.9	27.4	21.6	70.3	18.21	15.9	0.0	0.0	0.0	6.0
22	16.0	27.5	21.5	76.1	19.40	17.0	0.0	0.0	0.0	7.0
23	15.8	26.1	20.1	83.2	19.85	17.3	3.0	0.0	3.0	3.1
24	16.4	24.2	19.6	85.6	19.14	16.8	0.0	21.8	21.8	1.9
25	15.9	25.1	19.4	83.2	18.66	16.4	1.6	20.7	22.3	1.1
26	16.7	27.0	20.6	79.2	18.93	16.6	0.0	4.7	4.7	3.6
27	17.0	23.4	19.7	85.5	19.56	17.2	0.1	0.1	0.2	0.8
28	16.7	21.5	18.4	90.2	19.32	16.9	9.7	0.3	10.0	
29	15.9	25.4	20.3	75.6	17.86	15.7	0.0	0.0	0.0	5.4
30	16.8	26.2	20.3	73.2	17.36	15.3	0.0	0.0	0.0	5.9
31	16.4	25.2	20.5	75.5	18.31	16.1	0.0	15.0	15.0	5.2
PROM	16.6	25.6	20.3	79.1	18.75	16.4	70.4	137.9	208.3	

ESTACION: EL JAZMIN MUNICIPIO: STA. ROSA DE C. AÑO: 1.989

ALTITUD: 1.600 LATITUD: 4-55 N. LONGITUD: 75-38 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Dias lluvias	
ENERO	15.9	24.4	19.4	14.8	26.7	81.6	18.34	16.1	238.6	22	80.9
FEBRERO	15.7	24.6	19.4	13.6	27.4	81.6	18.22	16.0	167.4	19	88.0
MARZO	15.8	24.8	19.6	14.2	25.0	80.2	18.09	15.9	384.2	24	
ABRIL	16.3	25.7	20.6	15.0	26.4	79.5	19.11	16.8	261.5	19	102.4
MAYO	16.1	25.4	19.9	13.6	26.7	82.3	18.92	16.6	329.4	22	
JUNIO	16.4	25.3	19.9	14.8	26.2	82.6	19.11	16.7	187.5	26	106.9
JULIO	16.1	25.6	20.3	14.8	25.2	78.0	18.29	16.1	186.4	16	
AGOSTO	16.4	26.0	20.6	13.8	28.2	79.5	19.07	16.7	93.5	16	
SEPTIEMBRE	16.3	25.0	19.7	14.7	26.2	82.5	18.98	16.6	182.5	25	
OCTUBRE	15.5	24.1	19.4	14.0	26.6	82.5	18.48	16.2	174.1	29	91.5
NOVIEMBRE	16.5	25.2	20.0	15.0	27.8	81.5	19.19	16.8	229.3	21	92.4
DICIEMBRE	16.6	25.6	20.3	15.4	27.8	79.1	18.75	16.4	208.3	20	
PROMEDIO	16.1	25.1	19.9	14.5	26.0	81.0	18.71	16.4			
TOTAL									2642.7	259	

ESTACION: EL CEDRAL MUNICIPIO: PEREIRA AÑO: 1.989

ALTITUD: 2.120 LATITUD: 4-47 N. LONGITUD: 75-32 W.

M E S - ENERO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	10.4	19.0	14.4	82.9	13.52	11.4	28.7	0.3	29.0	1.4
2	12.0	17.8	14.8	85.9	14.33	12.3	11.3	0.0	11.3	0.0
3	11.0	18.2	14.2	85.2	13.81	11.7	6.3	0.4	6.7	1.1
4	12.8	18.0	15.1	88.2	15.22	13.2	2.1	0.0	2.1	1.3
5	12.6	18.1	14.7	87.2	14.68	12.7	2.3	0.0	2.3	0.3
6	10.8	18.4	15.1	81.3	13.82	11.7	3.4	0.0	3.4	2.5
7	11.6	19.3	15.6	79.4	14.00	11.9	0.0	7.6	7.6	2.7
8	12.5	19.2	15.1	82.9	14.03	12.0	0.4	0.0	0.4	1.4
9	10.0	19.1	14.6	80.0	13.20	11.0	1.8	0.9	2.7	4.3
10	10.8	17.8	13.2	84.3	12.98	10.8	17.0	0.0	17.0	0.8
11	10.4	17.9	14.6	86.5	14.21	12.2	0.0	0.0	0.0	1.0
12	10.5	19.4	15.6	75.9	13.20	11.0	0.0	0.0	0.0	3.2
13	12.2	19.0	15.1	82.9	14.42	12.4	7.3	0.6	7.9	2.5
14	11.0	18.4	14.7	79.2	13.17	11.1	0.0	0.0	0.0	2.6
15	12.0	19.4	15.2	77.9	13.44	11.3	21.3	0.0	21.3	2.4
16	10.2	19.2	14.4	84.6	13.79	11.7	20.8	0.0	20.8	3.2
17	12.0	19.5	15.5	84.2	14.75	12.7	12.0	0.0	12.0	2.8
18	11.8	19.2	15.4	83.1	14.50	12.5	0.9	0.0	0.9	2.5
19	12.0	19.4	15.4	79.8	13.94	11.9	0.0	0.0	0.0	2.5
20	11.0	20.0	14.7	80.4	13.47	11.4	0.0	0.0	0.0	3.2
21	10.9	18.6	14.4	82.9	13.61	11.5	4.2	0.0	4.2	2.6
22	11.2	19.6	15.5	82.6	14.42	12.4	0.0	0.0	0.0	4.0
23	11.0	19.2	14.6	87.5	14.64	12.6	4.7	0.1	4.8	2.5
24	10.5	20.0	15.2	84.1	14.43	12.3	0.4	0.0	0.4	3.1
25	11.4	18.5	14.7	85.5	14.47	12.4	11.6	0.0	11.6	0.0
26	11.0	19.0	15.4	85.0	14.59	12.5	1.4	11.9	13.3	1.6
27	13.0	17.6	15.3	87.0	14.94	13.0	0.2	7.4	7.6	0.4
28	13.8	16.2	14.5	93.2	15.56	13.6	7.5	0.0	7.5	0.1
29	12.1	19.0	15.4	80.5	14.04	12.0	6.8	0.0	6.8	3.0
30	11.7	18.6	14.9	87.2	14.88	12.9	14.0	0.0	14.0	0.5
31	11.0	17.9	14.3	87.5	14.28	12.2	20.3	0.0	20.3	0.7
PROM.	11.5	18.7	14.9	83.7	14.14	12.1	206.7	29.2	235.9	60.2

M E S - FEBRERO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	10.9	17.0	13.7	90.7	14.16	12.1	0.8	0.0	0.8	1.0
2	11.0	18.4	14.2	82.0	13.15	11.0	7.2	0.0	7.2	2.0
3	11.6	17.2	14.7	92.7	15.29	13.3	21.5	22.1	43.6	0.0
4	12.4	17.1	14.4	88.0	14.42	12.4	3.6	0.1	3.7	0.0
5	10.9	18.0	15.1	85.3	14.25	12.2	0.0	0.0	0.0	2.0
6	10.0	18.6	14.1	80.9	12.92	10.7	0.1	0.0	0.1	3.7
7	10.5	18.0	13.5	89.2	13.91	11.8	3.8	0.0	3.8	2.1
8	10.2	18.2	14.4	78.7	12.72	10.5	0.0	0.7	0.7	1.9
9	10.4	17.3	14.2	81.8	13.15	10.9	0.7	7.9	8.6	1.3
10	12.0	18.6	15.0	88.4	14.95	13.0	37.2	0.1	37.3	1.2
11	11.9	16.8	14.2	85.4	13.69	11.6	15.6	0.0	15.6	0.4
12	11.5	18.6	15.4	83.3	14.23	12.1	0.0	0.0	0.0	2.6
13	10.8	18.0	14.9	81.7	13.75	11.7	0.0	14.3	14.3	2.0
14	10.2	18.4	14.8	83.6	13.83	11.7	0.0	0.0	0.0	2.3
15	12.7	19.1	14.5	82.7	13.68	11.6	0.0	0.0	0.0	1.5
16	9.7	20.0	14.4	78.0	12.65	10.3	2.6	0.0	2.6	5.3
17	10.8	18.4	14.4	86.0	13.90	11.8	0.2	0.0	0.2	0.9
18	8.7	19.8	13.8	77.7	12.07	9.6	35.2	0.0	35.2	4.8
19	9.8	19.2	15.2	81.7	13.66	11.4	0.0	0.0	0.0	2.6
20	11.0	17.9	14.8	84.4	13.95	11.8	0.0	0.0	0.0	0.4
21	12.0	17.8	14.4	87.5	14.39	12.4	6.6	0.0	6.6	1.5
22	10.6	18.0	14.1	86.2	13.86	11.8	0.0	0.0	0.0	1.5
23	12.0	16.6	13.5	92.4	14.50	12.5	16.5	0.0	16.5	0.8
24	9.9	18.8	13.8	81.7	12.70	10.5	1.5	0.0	1.5	2.6
25	10.0	19.2	14.7	82.8	13.61	11.5	0.0	4.5	4.5	2.4
26	11.2	19.0	14.6	90.5	14.80	12.8	26.0	0.0	26.0	2.2
27	10.9	19.5	15.3	80.9	13.93	11.9	0.0	0.0	0.0	3.2
28	11.4	20.0	16.1	82.3	14.79	12.7	0.0	0.0	0.0	3.8
PROM	10.9	18.3	14.5	84.5	13.82	11.7	179.1	49.7	228.8	56.0

ESTACION: EL CEDRAL MUNICIPIO: PEREIRA AÑO: 1.989

ALTITUD: 2.120 LATITUD: 4-47 N. LONGITUD: 75-32 W.

M E S - MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	11.5	21.4	16.8	77.6	14.51	12.4	0.0	0.0	0.0	6.0
2	11.0	20.0	16.3	76.2	13.89	11.7	0.0	0.3	0.3	3.5
3	10.9	19.5	15.5	81.0	13.98	11.8	17.0	0.0	17.0	0.5
4	11.6	19.4	14.8	89.1	14.88	12.9	1.3	8.1	9.4	2.7
5	12.7	16.0	14.1	89.4	14.39	12.4	6.5	0.0	6.5	0.0
6	11.9	18.2	14.2	82.1	13.36	11.3	52.0	0.0	52.0	3.6
7	11.0	18.0	13.7	85.7	13.54	11.5	1.2	0.2	1.4	0.6
8	11.7	17.2	13.8	85.9	13.63	11.6	0.5	0.0	0.5	0.6
9	10.8	18.6	14.0	78.9	12.62	10.4	0.0	0.0	0.0	2.9
10	10.6	19.3	14.7	76.4	12.62	10.4	8.9	0.5	9.4	2.1
11	11.0	17.8	13.7	82.4	13.06	10.9	6.9	0.4	7.3	0.6
12	10.8	17.0	14.4	83.7	13.66	11.6	3.8	1.9	5.7	0.0
13	11.7	16.7	14.0	88.0	14.06	12.1	1.4	0.0	1.4	0.0
14	12.8	16.4	14.5	89.8	14.64	12.7	12.1	3.1	15.2	0.0
15	12.7	17.3	14.8	88.8	14.78	12.8	4.6	1.3	5.9	0.1
16	12.6	17.4	15.1	83.8	14.08	11.9	7.4	3.4	10.8	0.0
17	13.0	18.8	14.9	81.2	13.85	11.8	0.0	0.0	0.0	2.6
18	10.4	18.5	14.3	77.3	12.49	10.2	13.4	0.0	13.4	4.2
19	11.5	17.5	14.9	88.0	14.77	12.8	0.0	15.0	15.0	2.4
20	12.4	16.9	14.8	90.1	15.12	13.2	2.4	0.2	2.6	0.0
21	11.9	18.5	14.2	84.3	13.74	11.7	9.9	5.8	15.7	3.0
22	10.8	18.4	14.1	81.4	12.97	10.8	46.0	0.0	46.0	3.3
23	10.7	20.0	14.4	79.2	12.88	10.7	25.7	0.0	25.7	3.7
24	11.0	19.5	15.4	73.5	12.58	10.2	0.0	0.0	0.0	3.2
25	11.2	20.2	14.3	76.3	12.42	10.2	9.1	0.0	9.1	5.0
26	11.5	16.6	13.5	82.3	12.68	10.4	5.9	0.0	5.9	0.3
27	11.8	18.8	15.0	83.3	14.06	12.0	0.0	12.0	12.0	2.1
28	12.4	15.8	13.4	93.3	14.34	12.4	13.1	0.0	13.1	0.1
29	10.4	20.2	15.1	75.4	12.70	10.5	0.0	0.0	0.0	6.4
30	10.2	20.5	15.0	70.2	11.69	9.1	0.0	0.6	0.6	6.5
31	10.1	19.0	14.2	80.5	13.03	10.9	30.0	0.0	30.0	2.2
PROM.	11.4	18.4	14.6	82.4	13.58	11.5	279.1	52.8	331.9	68.2

M E S - ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	11.0	19.1	14.4	81.4	13.13	11.0	5.0	0.0	5.0	2.4
2	11.2	17.8	15.6	85.5	14.90	12.9	0.3	0.0	0.3	0.2
3	11.8	17.9	15.2	82.1	13.91	11.8	2.6	0.0	2.6	0.3
4	10.8	19.5	15.3	77.8	13.11	10.9	0.2	3.0	3.2	3.8
5	13.6	18.0	15.6	85.3	14.83	12.8	3.9	0.0	3.9	1.2
6	11.0	20.0	14.9	79.6	13.40	11.3	0.0	0.0	0.0	1.3
7	10.9	19.8	15.1	78.6	13.31	11.2	0.0	0.0	0.0	3.6
8	11.6	20.2	15.1	83.9	14.28	12.3	0.0	0.0	0.0	2.7
9	11.5	18.2	14.8	82.2	13.67	11.6	5.8	0.0	5.8	0.9
10	11.7	18.7	14.5	84.9	14.13	12.1	1.4	0.0	1.4	2.8
11	10.0	18.8	14.2	83.2	13.15	10.9	2.0	0.0	2.0	3.1
12	11.0	18.2	15.4	85.6	14.79	12.8	0.0	0.0	0.0	0.8
13	12.4	18.7	15.8	83.4	14.84	12.8	0.0	0.0	0.0	1.7
14	12.0	17.6	13.9	91.1	14.61	12.6	5.8	0.0	5.8	0.1
15	11.0	18.4	13.4	80.4	12.40	10.1	16.8	0.0	16.8	1.2
16	10.4	18.6	14.8	84.9	14.06	12.0	5.5	0.0	5.5	2.2
17	11.8	21.3	15.7	75.4	13.26	11.1	0.0	0.0	0.0	5.2
18	11.4	19.5	14.8	82.1	13.92	11.9	5.9	0.0	5.9	2.4
19	10.6	19.2	15.5	83.0	14.32	12.3	0.2	0.0	0.2	2.8
20	11.2	20.0	16.0	82.0	14.68	12.6	0.0	0.0	0.0	2.4
21	12.4	21.0	16.0	82.6	14.86	12.8	0.0	0.0	0.0	1.7
22	12.6	21.4	16.0	82.5	14.92	12.9	0.0	0.0	0.0	4.7
23	12.8	20.4	16.7	83.5	15.72	13.8	2.1	0.0	2.1	1.7
24	13.7	18.4	15.5	81.0	14.25	12.3	15.3	0.0	15.3	1.2
25	11.0	20.0	15.2	81.8	14.01	12.0	9.5	0.0	9.5	3.4
26	11.4	19.0	14.5	79.8	13.19	11.1	9.5	0.0	9.5	0.4
27	11.8	20.2	15.4	78.1	13.37	11.2	2.4	3.1	5.5	2.1
28	13.0	18.7	15.6	81.4	14.30	12.2	2.3	0.0	2.3	1.2
29	13.0	18.8	15.7	81.9	14.53	12.5	3.1	0.0	3.1	1.4
30	13.1	19.4	15.9	81.1	14.57	12.6	0.0	0.0	0.0	0.6
PROM	11.7	19.2	15.2	82.2	14.08	12.0	99.6	6.1	105.7	59.5

ESTACION: EL CEDRAL MUNICIPIO: PEREIRA AÑO: 1.989

ALTITUD: 2.120 LATITUD: 4-47 N. LONGITUD: 75-32 W.

M E S – MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	12.8	19.0	14.8	77.5	13.08	10.5	17.8	11.9	29.7	0.1
2	12.0	18.5	13.4	76.5	11.69	9.2	4.4	0.0	4.4	1.8
3	12.1	19.4	14.9	79.6	13.40	11.3	0.8	1.7	2.5	0.1
4	11.0	19.0	14.4	81.1	13.24	11.1	11.6	0.2	11.8	2.5
5	12.0	19.2	14.0	85.1	13.62	11.5	4.9	1.2	6.1	2.6
6	12.4	19.1	14.4	84.7	13.97	11.9	10.2	0.0	10.2	1.1
7	11.8	19.2	15.5	82.9	14.48	12.5	0.1	7.3	7.4	0.6
8	13.0	16.5	14.1	91.8	14.74	12.7	6.0	10.9	16.9	1.2
9	12.0	18.5	14.4	86.5	14.25	12.2	1.9	0.0	1.9	4.0
10	11.8	16.9	14.1	89.0	14.36	12.3	7.4	0.0	7.4	0.0
11	10.5	20.8	15.8	83.3	14.75	12.6	0.4	0.1	0.5	2.6
12	12.2	18.4	14.4	87.9	14.44	12.4	6.6	14.7	21.3	1.6
13	12.0	19.4	14.8	87.5	14.60	12.6	2.2	0.0	2.2	2.3
14	10.2	19.0	14.1	84.2	13.43	11.4	15.5	0.0	15.5	0.3
15	11.2	19.8	15.1	78.4	13.13	10.9	0.8	0.1	0.9	5.1
16	11.6	20.5	16.8	81.7	15.08	12.9	0.2	0.0	0.2	5.0
17	11.0	19.8	15.8	74.2	12.93	10.7	0.3	0.0	0.3	2.9
18	12.2	19.0	15.9	84.6	15.21	13.2	0.0	0.0	0.0	0.2
19	13.0	19.3	15.9	80.1	14.38	12.4	1.3	0.0	1.3	2.4
20	12.0	21.9	16.5	79.0	14.58	12.6	0.0	0.0	0.0	8.0
21	12.2	21.5	16.3	82.1	14.99	12.9	0.8	0.0	0.8	3.1
22	12.6	18.8	16.1	82.5	15.01	13.0	0.1	0.0	0.1	1.4
23	12.4	19.4	15.4	81.7	14.17	12.1	0.0	0.0	0.0	0.8
24	12.0	18.2	14.9	87.4	14.65	12.6	1.4	3.7	5.1	0.6
25	13.4	17.2	15.1	89.6	15.20	13.2	2.9	0.0	2.9	0.5
26	13.0	20.0	15.5	83.6	14.45	12.4	0.0	0.0	0.0	3.5
27	12.0	20.4	15.8	78.5	13.93	11.8	0.0	0.0	0.0	2.9
28	11.5	19.7	14.7	78.9	13.12	11.0	0.1	0.0	0.1	2.6
29	14.9	18.6	14.9	85.6	14.79	12.8	4.1	0.0	4.1	3.7
30	10.8	21.2	15.4	77.5	13.30	11.1	0.0	0.0	0.0	2.9
31	12.0	20.0	15.6	82.3	14.47	12.4	11.3	0.0	11.3	2.8
PROM.	12.1	19.3	15.1	82.8	14.11	12.0	113.1	51.8	164.9	69.2

M E S – JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	12.0	20.8	15.9	81.5	14.53	12.5	6.6	3.2	9.8	3.6
2	11.9	18.5	15.4	87.4	15.13	13.1	0.8	0.0	0.8	1.0
3	11.8	18.4	15.6	88.2	15.46	13.4	1.5	0.1	1.6	0.0
4	11.9	18.7	15.5	88.6	15.40	13.4	0.7	0.0	0.7	1.2
5	12.4	17.6	14.5	84.0	13.83	11.8	4.5	0.4	4.9	0.7
6	12.3	18.0	15.1	94.3	16.20	14.2	5.6	0.2	5.8	2.6
7	12.0	20.7	16.1	80.0	14.33	12.3	0.6	0.0	0.6	2.8
8	11.7	20.0	15.8	82.0	14.45	12.3	0.0	0.0	0.0	2.3
9	13.8	18.6	15.9	85.7	15.54	13.5	6.4	0.3	6.7	1.0
10	12.4	18.4	15.7	85.1	15.13	13.2	14.5	0.0	14.5	1.8
11	12.6	19.0	16.0	84.6	15.38	13.4	2.0	0.5	2.5	1.5
12	13.4	18.2	15.3	87.6	15.13	13.1	10.0	1.9	11.9	1.7
13	13.0	18.5	15.1	86.6	14.88	12.9	2.7	1.7	4.4	1.3
14	11.8	20.5	14.5	90.7	14.59	12.5	23.6	0.0	23.6	4.2
15	12.0	20.4	16.4	78.4	14.48	12.5	0.0	0.0	0.0	5.2
16	11.2	20.1	14.7	78.7	13.14	11.0	0.0	0.0	0.0	5.4
17	11.6	18.8	15.2	81.6	13.93	11.8	0.2	0.0	0.2	2.4
18	12.1	19.0	15.5	85.0	14.75	12.7	4.1	1.4	5.5	2.1
19	12.2	18.4	15.2	87.1	14.89	12.9	1.2	0.0	1.2	0.5
20	11.0	18.2	15.0	85.9	14.52	12.5	0.5	0.0	0.5	0.6
21	11.6	19.1	15.0	85.4	14.51	12.6	1.3	0.8	2.1	2.6
22	12.0	19.4	15.8	86.3	15.24	13.2	0.0	0.1	0.1	2.6
23	12.8	18.3	14.5	80.4	13.46	11.4	11.4	0.0	11.4	0.4
24	10.7	17.2	13.9	93.4	14.80	12.8	2.1	1.1	3.2	0.6
25	11.4	19.5	15.5	89.5	15.54	13.5	7.3	0.0	7.3	0.8
26	12.0	18.4	14.9	86.1	14.35	12.3	0.1	10.8	10.9	2.3
27	12.8	18.2	14.9	85.3	14.51	12.5	0.2	0.0	0.2	3.3
28	12.0	20.2	16.2	77.2	13.90	11.8	0.0	0.0	0.0	3.8
29	10.2	19.4	15.3	79.2	13.47	11.3	0.0	0.0	0.0	3.8
30	11.0	18.6	15.0	82.2	13.92	11.8	0.0	0.2	0.2	1.1
PROM	12.0	19.0	15.3	84.9	14.65	12.6	107.9	22.7	130.6	63.2

ESTACION: EL CEDRAL MUNICIPIO: PEREIRA AÑO: 1.98 9

ALTITUD: 2.120 LATITUD: 4-47 N. LONGITUD: 75-32 W.

M E S — JULIO

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	12.8	18.4	14.9	87.1	14.77	12.8	1.0	0.0	1.0	1.3
2	10.8	19.4	14.9	81.4	13.67	11.6	0.3	0.0	0.3	4.7
3	11.7	19.7	15.1	77.6	13.14	11.0	0.1	0.0	0.1	7.4
4	9.8	18.0	14.5	81.0	13.12	10.9	0.0	0.0	0.0	3.0
5	10.4	18.2	14.6	91.5	15.10	13.0	4.5	0.7	5.2	2.5
6	11.7	20.7	15.2	78.1	13.21	11.1	0.3	0.0	0.3	5.0
7	12.0	20.0	15.0	71.4	11.69	8.9	0.0	0.0	0.0	5.5
8	10.5	18.4	14.5	88.0	14.45	12.4	1.4	0.1	1.5	2.2
9	10.8	18.2	14.4	89.0	14.43	12.4	0.1	0.0	0.1	3.2
10	10.0	20.3	14.3	72.3	11.50	9.0	0.0	0.0	0.0	4.7
11	10.5	19.0	14.7	84.1	13.91	11.8	0.0	0.0	0.0	3.3
12	11.0	21.0	15.9	73.8	12.92	10.7	0.0	0.2	0.2	6.4
13	12.7	21.1	16.3	75.4	13.61	11.4	0.0	0.0	0.0	6.2
14	12.5	20.4	16.0	68.5	11.97	9.3	0.0	0.0	0.0	4.2
15	12.0	23.2	17.1	70.2	13.02	10.6	0.0	0.0	0.0	9.0
16	13.2	20.0	17.8	62.5	12.51	9.5	0.0	0.0	0.0	1.6
17	12.0	20.5	15.8	70.0	12.39	10.1	0.0	0.0	0.0	4.2
18	11.6	20.2	15.5	76.3	13.33	11.2	0.0	0.0	0.0	3.8
19	12.7	18.8	15.7	86.2	15.35	13.4	3.5	0.0	3.5	1.2
20	13.2	17.9	14.9	93.2	15.77	13.8	9.1	0.0	9.1	0.0
21	10.9	17.0	14.2	87.0	14.16	12.1	0.5	1.3	1.8	0.2
22	12.1	17.2	14.6	88.7	14.88	12.9	10.7	0.0	10.7	0.4
23	10.9	19.4	15.2	86.6	14.94	12.9	9.4	0.0	9.4	3.3
24	11.6	18.0	14.2	89.6	14.61	12.6	2.5	1.8	4.3	1.8
25	12.0	20.5	14.8	86.8	14.75	12.8	45.6	0.0	45.6	2.8
26	11.6	18.0	14.7	88.6	14.72	12.7	5.8	0.1	5.9	1.3
27	11.7	18.2	14.8	83.3	13.90	11.8	0.0	0.0	0.0	1.6
28	11.0	19.4	15.5	81.5	14.17	12.1	0.0	0.0	0.0	2.2
29	10.5	20.0	15.2	81.6	13.81	11.6	0.0	0.0	0.0	3.6
30	11.6	19.9	15.5	80.2	13.81	11.7	0.0	0.0	0.0	4.5
31	12.0	19.8	15.0	81.2	13.88	11.9	3.7	0.8	4.5	2.6
PROM.	11.5	19.4	15.2	81.1	13.79	11.6	98.5	5.0	103.5	103.7

M E S — AGOSTO

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	11.0	18.8	15.0	84.0	14.20	12.2	1.2	0.0	1.2	2.9
2	10.7	19.2	14.9	81.6	13.61	11.5	0.0	0.0	0.0	3.2
3	10.6	20.0	15.2	69.3	11.47	9.0	0.0	0.0	0.0	5.0
4	10.2	20.2	15.0	75.1	12.34	9.8	0.0	0.0	0.0	3.9
5	11.4	20.0	16.3	75.8	13.65	11.5	0.0	1.7	1.7	3.3
6	11.8	20.6	16.9	64.4	11.54	8.7	0.0	0.0	0.0	7.2
7	9.8	21.0	14.9	78.1	13.04	10.8	4.7	0.0	4.7	6.0
8	10.9	21.2	14.9	74.1	12.64	10.4	23.6	0.0	23.6	3.8
9	11.8	20.0	15.0	78.2	13.36	11.3	0.4	0.8	1.2	3.5
10	12.0	18.5	15.3	85.0	14.59	12.6	0.0	0.0	0.0	4.8
11	10.4	18.9	15.4	84.7	14.59	12.6	0.4	0.0	0.4	3.5
12	10.8	19.6	16.0	78.6	13.87	11.7	0.0	0.1	0.1	4.6
13	12.4	19.0	16.3	85.9	15.57	13.6	0.0	0.0	0.0	1.2
14	11.2	19.1	15.5	79.0	13.53	11.4	0.0	1.2	1.2	0.4
15	12.8	20.0	16.5	81.3	14.84	12.8	0.0	0.0	0.0	2.3
16	12.7	19.0	14.8	85.1	14.40	12.4	7.4	0.0	7.4	0.1
17	10.8	21.0	15.5	79.2	13.73	11.7	0.0	0.0	0.0	4.9
18	11.5	21.6	16.4	78.7	14.39	12.3	0.0	0.0	0.0	5.4
19	12.0	19.0	15.2	81.7	14.03	11.9	13.2	0.0	13.2	2.7
20	11.8	18.0	14.9	88.1	14.76	12.7	11.2	0.0	11.2	3.1
21	12.6	21.2	16.0	87.1	16.02	13.9	3.6	0.5	4.1	1.3
22	12.7	21.0	15.9	80.9	14.54	12.5	0.0	0.0	0.0	3.1
23	12.0	18.7	15.5	82.1	14.40	12.4	0.0	1.1	1.1	0.6
24	11.9	20.3	16.3	78.1	14.24	12.2	0.1	0.0	0.1	5.4
25	11.0	20.0	15.8	78.6	13.85	11.7	0.0	0.7	0.7	2.9
26	13.5	19.0	15.6	88.3	15.50	13.5	7.4	0.0	7.4	2.2
27	12.0	20.8	15.8	87.6	15.59	13.6	0.0	0.0	0.0	3.7
28	12.1	19.8	14.7	87.8	14.83	12.8	5.7	0.7	6.4	2.1
29	12.9	16.6	14.6	88.7	14.52	12.5	14.9	22.3	37.2	0.1
30	13.1	18.0	14.9	91.9	15.68	13.7	5.1	0.3	5.4	1.1
31	11.6	19.2	14.6	87.8	14.78	12.8	0.3	0.0	0.3	2.0
PROM	11.7	19.7	15.5	81.5	14.13	12.0	99.2	29.4	128.6	96.3

ESTACION: EL CEDRAL MUNICIPIO: PEREIRA AÑO: 1.989

ALTITUD: 2.120 LATITUD: 4-47 N. LONGITUD: 75-32 W.

M E S - SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	11.8	21.1	15.6	81.2	14.24	12.2	0.0	0.0	0.0	6.4
2	12.4	20.0	15.7	82.5	14.69	12.7	0.0	0.0	0.0	1.9
3	12.0	20.4	14.9	86.4	14.79	12.8	1.9	0.0	1.9	3.6
4	11.8	20.0	16.3	86.4	15.95	13.9	0.4	0.0	0.4	1.4
5	11.7	18.0	14.1	90.6	14.58	12.5	21.7	0.1	21.8	0.7
6	12.8	18.4	15.1	94.8	16.05	14.1	25.0	0.2	25.2	2.0
7	13.2	19.0	15.0	90.4	15.60	13.6	7.9	0.0	7.9	1.1
8	12.0	19.4	15.1	89.6	15.60	13.5	1.5	0.0	1.5	1.3
9	13.0	18.8	14.9	86.9	14.87	12.9	0.1	0.1	0.2	0.5
10	13.2	21.0	15.5	81.6	14.56	12.6	8.7	0.0	8.7	1.7
11	10.0	19.0	14.4	84.4	13.74	11.6	17.5	3.0	20.5	2.4
12	12.8	20.4	15.3	80.0	13.93	11.5	10.5	0.0	10.5	4.4
13	12.0	19.0	14.9	88.0	15.02	13.0	5.2	0.0	5.2	3.1
14	12.7	18.2	15.2	86.6	14.98	13.0	0.0	0.0	0.0	0.3
15	12.0	21.7	16.3	80.1	14.48	12.4	0.0	0.0	0.0	7.6
16	12.1	23.0	16.3	71.8	12.77	10.2	0.0	0.0	0.0	4.4
17	11.5	19.8	15.6	85.2	14.68	12.6	2.3	0.0	2.3	2.5
18	12.5	17.0	14.1	91.5	14.77	12.8	14.1	0.1	14.2	0.6
19	10.5	18.6	14.6	87.1	14.29	12.2	6.2	0.1	6.3	2.5
20	11.8	16.8	13.9	91.3	14.65	12.7	6.1	0.0	6.1	0.4
21	11.7	18.2	14.1	96.0	15.51	13.5	11.5	1.0	12.5	2.2
22	11.5	16.0	14.1	92.3	14.78	12.8	0.4	0.0	0.4	0.0
23	12.0	21.0	16.3	77.1	13.92	11.7	0.0	2.0	2.0	3.9
24	11.8	19.5	14.7	86.3	14.61	12.6	1.2	0.0	1.2	4.2
25	12.0	19.8	14.8	80.9	13.67	11.6	2.3	0.4	2.7	2.4
26	12.8	18.0	14.9	89.5	15.11	13.1	0.0	0.7	0.7	0.7
27	11.0	19.2	15.0	81.7	13.87	11.8	0.0	2.5	2.5	1.4
28	12.9	17.2	13.9	91.0	14.57	12.6	0.7	0.8	1.5	0.7
29	12.4	19.0	15.4	87.5	15.39	13.4	0.0	0.0	0.0	2.9
30	11.8	21.0	15.8	85.0	15.09	13.1	0.0	0.0	0.0	2.6
PROM.	12.1	19.3	15.1	86.1	14.69	12.6	145.2	11.0	156.2	69.8

M E S - OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	11.8	21.0	15.6	85.1	14.93	12.8	0.3	0.3	0.6	4.1
2	13.6	18.3	15.3	79.1	13.57	11.2	1.0	1.8	2.8	0.8
3	11.9	19.2	15.3	82.8	14.11	12.1	2.1	0.2	2.3	2.4
4	10.8	19.0	14.0	86.7	13.89	11.8	26.9	2.5	29.4	1.3
5	10.6	18.9	14.1	81.6	13.31	11.2	0.8	0.0	0.8	
6	11.2	20.0	15.2	80.3	13.69	11.6	0.0	4.9	4.9	
7	12.3	19.8	14.4	87.1	14.41	12.4	6.6	0.0	6.6	4.3
8	12.0	18.7	14.1	85.0	13.61	11.5	13.4	0.0	13.4	1.4
9	11.4	17.8	13.4	87.3	13.40	11.3	1.4	0.0	1.4	2.4
10	10.5	18.0	13.5	85.0	13.04	10.9	11.3	17.9	29.2	2.4
11	12.6	16.0	14.1	90.8	14.52	12.5	4.3	6.9	11.2	0.0
12	11.5	16.7	14.2	85.9	13.86	11.8	1.2	0.0	1.2	0.6
13	11.0	18.0	14.8	85.0	14.13	12.1	2.2	2.4	4.6	1.1
14	13.0	18.3	14.4	87.1	14.37	12.4	11.3	0.0	11.3	1.3
15	11.5	17.4	14.3	86.5	14.02	12.0	15.0	0.0	15.0	1.2
16	12.0	17.0	14.5	87.8	14.56	12.6	0.0	0.0	0.0	1.8
17	12.6	17.8	14.0	92.8	14.88	12.9	1.5	7.6	9.1	0.5
18	11.5	18.6	14.8	86.2	14.51	12.5	0.0	6.9	6.9	2.5
19	12.0	20.2	14.9	78.6	13.10	10.9	0.6	0.0	0.6	3.7
20	11.0	20.4	14.3	89.0	14.64	12.6	1.5	0.0	1.5	3.8
21	11.7	18.8	13.9	84.2	13.40	11.3	5.0	0.8	5.8	1.5
22	11.0	19.0	15.0	86.0	14.66	12.6	1.0	0.0	1.0	3.6
23	11.0	18.4	14.6	82.7	13.82	11.8	3.6	3.8	7.4	1.2
24	11.4	18.1	14.2	77.7	12.39	10.1	0.6	0.0	0.6	1.4
25	11.0	18.0	14.1	87.8	14.04	12.0	4.6	0.6	5.2	1.4
26	12.0	18.2	14.6	85.9	14.01	11.9	7.2	0.2	7.4	1.3
27	12.5	18.9	14.9	84.6	14.09	11.9	11.7	0.4	12.1	0.8
28	13.0	18.2	15.1	92.9	15.99	14.0	0.7	0.0	0.7	0.0
29	11.0	19.7	14.5	87.6	14.45	12.4	11.5	0.0	11.5	2.4
30	11.9	18.5	14.2	89.0	14.53	12.5	47.0	4.9	51.9	0.8
31	11.6	20.4	14.9	82.1	13.96	11.9	15.5	12.9	28.4	2.1
PROM	11.7	18.6	14.5	85.5	14.06	12.0	209.8	75.0	284.8	

ESTACION: EL CEDRAL MUNICIPIO: PEREIRA AÑO: 1.989

ALTITUD: 2.120 LATITUD: 4-47 N. LONGITUD: 75-32 W.

M E S – NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	13.0	17.9	15.1	87.9	14.98	13.0	17.9	0.0	17.9	0.6
2	10.8	18.5	13.4	93.4	14.36	12.4	23.0	0.0	23.0	2.7
3	11.2	18.2	14.9	87.5	14.56	12.5	1.3	0.0	1.3	1.4
4	12.7	16.0	13.7	93.0	14.79	12.8	8.9	0.0	8.9	0.0
5	10.6	19.2	15.2	85.9	14.69	12.7	0.2	0.0	0.2	2.7
6	11.8	20.0	15.8	85.3	14.97	12.9	4.8	74.8	79.6	4.9
7	12.0	16.1	13.4	85.2	13.08	10.9	13.6	14.5	28.1	0.1
8	11.8	15.2	13.5	92.3	14.24	12.2	6.6	13.6	20.2	0.3
9	11.9	17.8	14.1	87.9	14.18	12.2	6.9	21.6	28.5	2.5
10	11.8	17.9	14.3	90.3	14.54	12.5	16.0	4.8	20.8	0.6
11	12.4	15.1	13.0	87.6	13.21	11.1	1.9	0.0	1.9	0.0
12	12.2	17.2	14.2	88.8	14.31	12.3	0.0	0.7	0.7	1.1
13	12.1	16.4	13.5	84.8	13.18	11.1	0.7	0.0	0.7	1.1
14	10.8	19.2	14.9	80.5	13.29	11.1	0.8	0.1	0.9	2.7
15	11.9	19.8	15.4	83.9	14.61	12.6	0.0	0.0	0.0	3.0
16	11.8	20.4	15.6	82.9	14.62	12.6	12.6	0.0	12.6	3.3
17	13.5	19.6	16.2	80.9	14.85	12.9	0.0	0.0	0.0	1.5
18	12.6	20.5	15.5	86.2	15.25	13.2	1.2	0.0	1.2	2.7
19	12.5	20.4	16.1	82.5	15.02	13.0	0.0	0.0	0.0	3.2
20	11.9	19.5	15.5	81.0	14.23	12.2	1.6	11.3	12.9	2.5
21	12.2	18.4	14.2	85.8	13.87	11.8	16.4	0.0	16.4	0.7
22	10.6	18.8	13.8	89.7	14.20	12.1	5.9	0.0	5.9	2.4
23	11.0	19.2	15.9	83.6	14.86	12.7	1.6	0.0	1.6	1.1
24	12.6	20.8	14.5	90.8	15.13	13.2	6.2	0.0	6.2	2.7
25	11.0	18.4	14.6	85.5	14.28	12.2	0.0	0.0	0.0	0.9
26	10.8	19.8	14.8	83.0	13.69	11.6	0.0	0.0	0.0	3.7
27	11.0	19.3	14.2	79.9	12.82	10.6	8.0	0.0	8.0	3.6
28	10.4	19.7	14.3	85.0	13.87	11.8	0.5	0.0	0.5	3.5
29	11.2	18.4	14.2	85.6	13.89	11.9	19.2	2.7	21.9	0.8
30	12.6	17.2	14.7	88.8	14.85	12.9	0.0	27.9	27.9	0.5
PROM.	11.8	18.5	14.6	86.2	14.28	12.2	175.8	172.0	347.8	56.8

M E S – DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	13.1	17.2	14.5	85.1	14.13	12.1	6.5	13.6	20.1	0.3
2	12.8	16.1	13.7	86.2	13.57	11.5	5.0	0.0	5.0	0.0
3	12.0	18.3	14.5	82.6	13.60	11.6	1.1	53.6	54.7	2.4
4	12.7	16.4	13.2	85.4	13.02	10.8	15.2	0.0	15.2	0.1
5	11.8	16.6	13.5	88.9	13.91	11.9	5.4	6.0	11.4	0.2
6	11.2	18.2	14.0	89.8	14.54	12.5	4.4	0.0	4.4	2.7
7	10.0	18.9	14.8	81.7	13.57	11.5	0.0	0.0	0.0	2.8
8	10.6	19.4	15.0	78.3	13.16	11.0	0.0	0.0	0.0	3.4
9	10.7	19.0	15.1	79.9	13.50	11.3	0.1	4.1	4.2	2.3
10	12.0	18.5	14.9	82.7	13.84	11.8	0.0	0.0	0.0	0.0
11	11.8	18.2	14.5	80.0	13.15	11.0	0.0	0.0	0.0	1.6
12	10.8	18.8	13.6	84.6	13.20	11.0	5.9	0.0	5.9	2.8
13	11.0	17.0	13.7	92.4	14.51	12.5	1.8	0.0	1.8	0.9
14	10.7	18.4	14.2	80.9	13.02	10.9	0.0	0.0	0.0	1.3
15	9.8	18.2	13.7	77.9	12.28	9.9	0.0	0.0	0.0	3.0
16	9.4	18.5	14.0	79.5	12.72	10.3	0.1	0.0	0.1	3.3
17	9.7	20.2	15.2	79.4	13.41	11.2	0.2	0.0	0.2	5.0
18	10.2	19.5	14.5	79.2	13.08	10.9	0.0	0.0	0.0	4.6
19	9.0	18.8	13.7	79.9	12.46	10.1	0.0	0.0	0.0	4.0
20	8.7	20.1	13.3	77.9	11.76	9.2	2.1	0.0	2.1	4.9
21	9.4	18.8	14.3	82.8	13.40	11.1	5.6	0.1	5.7	3.7
22	9.8	19.2	14.1	83.6	13.40	11.2	0.0	0.1	0.1	4.1
23	10.4	19.1	15.0	79.4	13.34	11.1	0.9	0.0	0.9	2.3
24	10.0	18.2	13.6	86.3	13.37	11.3	1.8	0.0	1.8	1.9
25	9.9	17.4	13.6	83.0	12.94	10.7	5.5	8.2	13.7	1.4
26	11.0	17.5	13.0	92.9	13.85	11.8	9.4	1.4	10.8	1.6
27	11.4	15.4	13.3	91.6	13.95	11.9	4.6	0.5	5.1	0.9
28	11.2	16.5	13.6	87.2	13.54	11.5	2.2	0.0	2.2	0.2
29	9.7	17.8	13.0	83.7	12.43	10.1	0.0	7.5	7.5	3.5
30	11.4	17.4	13.9	79.9	12.57	10.3	5.2	0.3	5.5	1.9
31	10.0	17.8	13.9	84.1	13.11	10.9	2.1	7.7	9.8	3.5
PROM	10.7	18.1	14.0	83.4	13.30	11.1	85.1	103.1	188.2	70.6

ESTACION: EL CEDRAL MUNICIPIO: PEREIRA AÑO: 1.989

ALTITUD: 2.120 LATITUD: 4-47 N. LONGITUD: 75-32 W.

MESES	TEMPERATURA oC					Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	11.5	18.7	14.9	10.0	20.0	83.7	14.14	12.1	235.9	25	60.2
FEBRERO	10.9	18.3	14.5	8.7	20.0	84.5	13.82	11.7	228.8	19	56.0
MARZO	11.4	18.4	14.6	10.1	21.4	82.4	13.58	11.5	331.9	26	68.2
ABRIL	11.7	19.2	15.2	10.0	21.4	82.2	14.08	12.0	105.7	20	59.5
MAYO	12.1	19.3	15.1	10.2	21.9	82.8	14.11	12.0	164.9	25	69.2
JUNIO	12.0	19.0	15.3	10.2	20.8	84.5	14.65	12.6	130.6	25	63.2
JULIO	11.5	19.4	15.2	9.8	23.2	81.1	13.79	11.6	103.5	17	103.7
AGOSTO	11.7	19.7	15.5	9.8	21.6	81.5	14.13	12.0	128.6	20	96.3
SEPTIEMBRE	12.1	19.3	15.1	10.0	23.0	86.1	14.69	12.6	156.2	23	69.8
OCTUBRE	11.7	18.6	14.5	10.5	21.0	85.5	14.06	12.0	284.8	30	
NOVIEMBRE	11.8	18.5	14.6	10.4	20.8	86.2	14.28	12.2	347.8	25	56.8
DICIEMBRE	10.7	18.1	14.0	8.7	20.2	83.4	13.30	11.1	188.2	23	70.6
PROMEDIO	11.6	18.9	14.9	9.9	21.3	83.7	14.05	12.0			
TOTAL									2406.9	278	

ESTACION: LA CATALINA MUNICIPIO: PEREIRA AÑO: 1.989

ALTITUD: 1.350 LATITUD: 4-47 N. LONGITUD: 76-41 W.

M E S - ENERO

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	25.5	19.5	84.6	19.57	17.2	2.6	1.2	3.8	3.1
2	16.6	24.2	20.4	85.2	20.11	17.6	0.1	0.5	0.6	0.2
3	17.2	25.8	20.7	80.8	19.38	17.0	0.0	8.5	8.5	3.7
4	18.0	25.9	21.4	83.4	20.96	18.2	0.1	19.3	19.4	1.5
5	17.0	23.5	19.7	78.7	17.86	15.7	0.0	0.0	0.0	1.6
6	16.5	26.5	21.5	79.2	20.10	17.5	0.0	0.0	0.0	5.0
7	18.2	27.6	21.6	79.4	20.36	17.8	0.3	3.5	3.8	4.2
8	17.2	26.5	21.2	77.1	19.19	16.9	0.2	0.0	0.2	5.0
9	17.5	27.8	21.7	77.2	19.47	17.0	0.0	0.8	0.8	7.3
10	16.4	24.2	18.9	81.2	17.72	15.6	0.3	0.0	0.3	1.4
11	16.5	24.1	20.1	81.6	19.04	16.7	0.0	0.0	0.0	1.4
12	17.0	26.8	21.7	74.4	19.01	16.7	0.0	0.0	0.0	5.3
13	17.5	26.4	19.8	84.5	19.73	17.3	12.0	1.3	13.3	3.1
14	16.8	27.5	21.6	80.4	20.27	17.7	0.0	8.5	8.5	4.8
15	16.7	26.5	21.3	80.1	20.24	17.7	0.0	0.0	0.0	3.5
16	16.6	28.5	22.0	77.3	19.94	17.5	0.0	2.5	2.9	6.5
17	17.8	27.5	21.4	83.3	21.28	18.5	1.0	0.0	1.0	6.5
18	17.6	28.2	22.1	75.8	19.84	17.3	0.0	0.0	0.0	6.7
19	17.0	27.8	21.0	78.9	19.57	17.2	0.9	0.0	0.9	5.6
20	17.2	28.3	21.7	77.5	20.01	17.5	0.0	0.0	0.0	6.0
21	17.0	26.0	19.9	85.0	20.22	17.7	7.6	0.0	7.6	3.6
22	16.2	27.4	22.1	80.8	21.17	18.3	0.0	0.4	0.4	5.5
23	17.6	26.2	21.2	80.3	20.14	17.6	0.0	0.0	0.0	4.4
24	17.2	26.8	21.9	80.6	20.84	18.1	0.0	0.0	0.0	3.5
25	17.8	25.6	21.3	79.1	20.07	17.5	0.0	0.0	0.0	0.4
26	17.6	28.3	21.5	81.5	20.66	18.0	2.1	0.4	2.5	4.4
27	18.0	24.2	20.3	87.2	20.70	18.1	0.0	13.2	13.2	1.3
28	17.4	23.5	19.8	88.1	20.32	17.7	0.5	0.0	0.5	1.3
29	17.5	27.5	22.1	76.3	19.56	17.1	0.0	9.7	9.7	6.2
30	18.2	25.2	20.7	83.4	20.23	17.7	0.0	0.3	0.3	1.7
31	18.0	26.2	20.2	82.8	19.70	17.2	0.4	0.0	0.4	2.4
PROM.	17.2	26.3	21.0	80.8	19.91	17.4	28.1	70.5	98.6	117.1

M E S - FEBRERO

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.2	23.0	19.3	84.3	18.99	16.7	0.0	0.0	0.0	0.4
2	17.4	26.4	21.0	81.5	19.94	17.4	0.0	0.0	0.0	3.9
3	18.0	26.2	21.1	77.6	19.22	16.8	0.0	9.7	9.7	2.3
4	16.0	24.5	19.5	80.1	17.87	15.7	0.0	0.0	0.0	1.3
5	17.4	25.5	20.9	78.3	19.16	16.8	0.0	0.0	0.0	2.9
6	16.2	27.2	21.4	75.3	18.88	16.6	0.6	0.0	0.6	6.4
7	17.0	25.8	21.3	73.8	18.46	16.2	0.0	0.0	0.0	2.8
8	17.3	27.8	21.4	73.7	18.40	16.1	0.0	0.0	0.0	5.4
9	17.6	25.5	21.1	82.4	20.20	17.6	0.0	15.4	15.4	1.6
10	17.2	26.5	20.9	80.3	19.55	17.2	11.8	20.6	32.4	4.1
11	17.4	25.8	19.6	86.0	19.83	17.4	49.6	0.5	50.1	1.1
12	17.0	26.6	21.7	78.1	19.67	17.2	0.0	0.0	0.0	4.7
13	17.0	25.5	20.3	81.1	19.27	16.9	1.0	0.0	1.0	2.7
14	16.0	28.0	21.5	72.3	17.98	15.8	0.0	3.6	3.6	7.3
15	17.5	27.5	21.7	77.7	19.68	17.2	0.1	8.1	8.2	8.1
16	17.0	27.8	21.4	75.6	19.10	16.7	0.0	1.4	1.4	8.3
17	17.4	24.5	19.3	87.7	19.48	17.1	2.0	0.0	2.0	2.1
18	15.5	28.0	21.7	71.6	18.06	15.9	0.0	0.0	0.0	8.9
19	16.2	27.5	22.2	76.2	19.71	17.2	0.0	0.0	0.0	5.8
20	17.4	26.4	21.7	81.9	21.01	18.3	1.9	0.0	1.9	2.9
21	18.2	25.4	20.4	83.9	20.36	17.8	7.3	0.0	7.3	2.3
22	17.4	27.2	19.9	84.7	19.80	17.4	0.0	1.5	1.5	3.1
23	17.5	23.0	19.0	87.8	19.82	17.3	6.6	0.0	6.6	0.2
24	14.5	27.2	20.6	79.4	18.72	16.4	0.0	0.0	0.0	6.0
25	16.7	27.8	20.4	80.6	19.18	16.8	14.0	1.8	15.8	6.6
26	17.3	27.3	20.6	85.5	20.76	18.1	0.0	0.0	0.0	2.6
27	17.4	28.0	23.2	78.4	21.77	18.8	0.0	0.0	0.0	5.0
28	17.3	27.9	23.2	74.7	20.69	18.0	0.0	0.0	0.0	3.7
PROM	17.0	26.4	20.9	79.6	19.48	17.1	94.9	62.6	157.5	112.5

ESTACION: LA CATALINA MUNICIPIO: PEREIRA AÑO: 1.989

ALTITUD: 1.350 LATITUD: 4-47 N. LONGITUD: 76-41 W.

M E S – MARZO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	29.2	22.9	72.9	19.59	17.1	0.0	0.0	0.0	8.0
2	18.0	28.0	23.1	75.6	20.87	18.2	0.0	1.4	1.4	5.5
3	17.3	27.6	22.9	76.8	20.57	18.0	0.0	3.0	3.0	4.4
4	17.8	26.8	22.2	75.2	19.64	17.2	0.0	5.8	5.8	4.5
5	17.0	21.8	19.0	90.5	19.74	17.3	0.3	0.0	0.3	0.0
6	17.3	27.3	21.5	79.9	20.13	17.6	0.0	20.0	20.0	5.9
7	16.0	25.5	19.7	82.8	18.90	16.6	0.2	0.0	0.2	4.8
8	17.2	26.7	20.1	83.4	19.84	17.4	11.2	0.1	11.3	6.1
9	17.0	26.6	21.5	78.7	19.74	17.3	0.2	0.0	0.2	5.2
10	17.3	28.8	22.4	74.3	19.20	16.8	0.0	13.3	13.3	6.4
11	17.8	26.0	19.5	84.2	19.73	17.3	9.0	1.1	10.1	1.7
12	16.8	25.8	20.3	86.1	20.33	17.7	13.3	0.0	13.3	3.1
13	17.4	24.1	20.2	90.5	21.39	18.6	3.1	29.3	32.4	0.8
14	16.6	22.8	18.6	88.9	19.15	16.8	4.1	0.0	4.1	0.0
15	16.5	25.2	19.7	83.3	19.09	16.8	1.2	47.1	48.3	3.0
16	15.5	23.6	19.4	83.9	18.47	16.3	0.0	0.0	0.0	0.4
17	17.0	27.4	21.0	80.0	19.85	17.4	2.4	0.0	2.4	4.8
18	17.4	26.8	21.2	78.0	19.41	17.0	0.0	0.0	0.0	6.5
19	16.5	27.5	21.7	73.4	18.80	16.5	0.0	0.0	0.0	8.5
20	17.6	24.7	20.4	81.9	19.63	17.2	0.5	0.8	1.3	0.8
21	17.5	27.5	21.4	73.8	18.37	16.1	0.0	12.2	12.2	8.6
22	16.5	26.5	21.6	74.1	18.75	16.5	0.0	0.6	0.6	7.3
23	17.0	27.5	21.6	74.9	18.71	16.4	0.0	0.0	0.0	8.9
24	16.8	26.6	21.3	71.2	17.80	15.7	0.0	0.0	0.0	5.5
25	17.0	28.0	22.1	72.5	18.86	16.6	0.0	5.0	5.0	9.2
26	17.1	22.6	20.0	86.0	20.06	17.5	0.1	5.4	5.5	0.5
27	16.5	26.3	20.9	78.9	19.09	16.8	0.0	19.2	19.2	5.1
28	16.6	21.5	18.9	85.7	18.67	16.4	11.4	0.1	11.5	0.0
29	15.8	27.4	20.6	72.4	17.12	15.1	0.0	0.0	0.0	8.4
30	15.3	27.9	21.9	70.2	17.58	15.4	0.0	0.0	0.0	10.7
31	15.2	27.5	20.1	79.0	18.44	16.2	0.0	0.0	0.0	8.5
PROM.	16.8	26.2	20.9	79.3	19.28	16.9	57.0	164.4	221.4	153.1

M E S – ABRIL

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.5	26.3	20.8	80.3	19.81	17.3	1.0	0.1	1.1	4.6
2	17.0	25.5	21.3	80.3	19.84	17.4	1.1	7.2	8.3	3.0
3	18.0	23.7	20.1	89.5	20.81	18.1	26.8	0.0	26.8	
4	16.0	26.9	21.9	78.6	19.96	17.5	0.8	2.3	3.1	7.1
5	16.8	25.0	20.5	85.8	20.54	17.9	0.7	0.0	0.7	2.7
6	16.4	27.0	20.8	79.6	19.50	17.1	0.7	0.0	0.7	2.9
7	18.0	28.5	23.0	75.2	20.71	18.1	0.0	2.9	2.9	5.5
8	17.5	27.4	21.9	79.4	20.44	17.8	0.0	0.0	0.0	4.5
9	18.0	23.8	20.8	85.1	21.23	18.5	4.4	0.0	4.4	0.0
10	17.5	25.7	21.0	78.4	19.51	17.1	0.3	0.0	0.3	2.5
11	16.5	26.8	22.3	75.5	20.20	17.6	0.8	0.0	0.8	6.1
12	18.0	25.5	21.8	81.7	20.89	18.2	0.0	5.6	5.6	0.0
13	18.1	27.8	22.9	76.0	20.50	17.9	0.0	0.3	0.3	2.2
14	18.3	24.5	20.7	84.8	20.66	18.0	0.0	0.0	0.0	0.0
15	17.4	26.3	20.3	80.1	19.27	17.0	3.8	0.0	3.8	1.5
16	16.5	28.2	22.1	77.6	20.56	17.9	0.7	0.2	0.9	5.0
17	17.5	29.4	23.5	73.7	20.87	18.2	0.0	0.0	0.0	8.8
18	17.6	27.5	22.9	74.6	20.71	18.0	0.0	0.0	0.0	4.0
19	18.3	27.6	22.8	76.4	21.02	18.3	0.0	0.0	0.0	6.4
20	18.4	27.5	22.6	79.7	21.59	18.7	0.0	0.0	0.0	4.0
21	18.5	29.4	23.1	75.8	21.33	18.5	0.0	0.0	0.0	7.3
22	18.7	28.9	23.6	76.2	22.04	19.0	0.0	0.0	0.0	8.0
23	18.5	29.6	24.1	72.3	21.37	18.5	0.0	24.6	24.6	7.2
24	17.4	24.0	20.1	91.2	21.58	18.6	21.4	0.0	21.4	1.2
25	16.4	28.6	21.9	80.0	21.02	18.3	0.0	0.0	0.0	7.1
26	18.2	26.8	21.5	83.7	21.81	18.9	0.7	5.5	6.2	1.5
27	18.0	27.0	22.3	81.9	21.76	18.8	0.7	26.1	26.8	6.6
28	17.0	27.3	22.1	75.6	19.79	17.3	0.0	0.0	0.0	6.2
29	18.3	27.0	21.9	82.6	21.74	18.8	0.0	23.9	23.9	3.0
30	16.8	24.7	21.2	81.5	20.07	17.5	0.1	0.0	0.1	2.5
PROM	17.5	26.8	21.9	79.8	20.70	18.0	64.0	98.7	162.7	

ESTACION: LA CATALINA MUNICIPIO: PEREIRA AÑO: 1.989

ALTITUD: 1.350 LATITUD: 4-47 N. LONGITUD: 76-41 W.

M E S — MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	24.0	19.7	89.2	21.10	18.3	36.5	25.1	61.6	1.0
2	16.0	25.0	20.0	83.5	19.23	16.9	0.0	0.0	0.0	3.4
3	17.4	25.5	20.8	83.6	20.49	17.9	0.4	1.6	2.0	0.9
4	17.5	27.2	19.5	80.5	18.67	16.4	12.0	1.1	13.1	3.9
5	16.3	26.0	20.3	84.7	20.24	17.7	0.0	24.2	24.2	5.6
6	17.0	24.4	20.4	86.7	20.48	17.9	0.3	0.1	0.4	5.8
7	17.8	25.5	20.3	86.1	20.70	18.0	3.8	13.2	17.0	2.0
8	16.4	25.2	19.1	82.3	18.46	16.2	8.3	1.1	9.4	0.4
9	17.0	25.1	21.2	78.9	19.50	17.1	0.0	0.0	0.0	4.9
10	17.2	22.5	18.8	89.9	19.43	17.0	2.1	0.0	2.1	1.2
11	14.2	25.8	20.2	84.6	19.69	17.2	0.0	0.0	0.0	2.9
12	17.4	25.2	20.7	82.8	20.33	17.7	5.3	14.4	19.7	3.6
13	16.8	23.7	19.4	87.7	19.60	17.2	2.4	0.0	2.4	3.2
14	16.4	26.8	20.5	78.3	19.03	16.8	10.3	0.0	10.3	5.2
15	16.5	26.8	22.2	79.1	20.69	18.0	0.0	0.0	0.0	7.5
16	17.2	28.8	23.5	76.3	21.14	18.3	0.0	0.0	0.0	8.4
17	17.4	28.2	23.2	75.5	21.14	18.3	0.0	0.0	0.0	6.2
18	18.5	27.0	22.4	78.6	21.08	18.4	0.0	0.0	0.0	2.3
19	18.5	26.8	21.0	79.2	19.84	17.4	1.4	0.0	1.4	3.8
20	17.0	28.7	23.3	68.7	19.27	16.9	0.0	0.0	0.0	8.2
21	17.2	28.2	22.2	87.5	23.13	19.8	3.5	0.0	3.5	5.6
22	18.2	27.2	22.0	86.7	22.68	19.5	1.8	0.0	1.8	4.1
23	18.8	25.8	21.4	84.6	21.73	18.8	0.0	0.3	0.3	1.8
24	18.5	25.4	20.7	85.0	20.80	18.1	5.4	1.1	6.5	3.9
25	18.0	26.4	20.8	80.5	19.53	17.1	0.6	0.0	0.6	2.9
26	17.8	26.6	21.3	84.6	21.37	18.5	0.0	0.0	0.0	3.9
27	17.5	28.5	20.9	76.7	19.16	16.9	11.2	2.2	13.4	4.6
28	16.2	26.3	20.8	79.5	19.57	17.1	6.8	0.0	6.8	5.2
29	16.0	25.8	21.5	78.2	19.92	17.5	0.0	0.0	0.0	4.2
30	16.5	29.3	23.1	70.8	19.82	17.4	0.0	0.0	0.0	9.3
31	18.5	28.5	23.1	75.7	21.47	18.6	0.0	0.0	0.0	5.8
PROM.	17.2	26.3	21.1	81.5	20.30	17.7	112.1	84.4	196.5	131.7

M E S — JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.5	27.8	21.7	80.9	21.13	18.4	2.7	0.4	3.1	4.1
2	17.2	26.5	21.2	79.5	19.85	17.4	1.6	22.5	24.1	4.0
3	18.5	22.6	20.3	88.5	21.06	18.3	0.0	0.0	0.0	0.0
4	17.5	27.5	21.8	78.3	20.49	17.9	0.0	0.0	0.0	4.5
5	18.6	24.4	20.0	87.8	20.47	17.9	0.0	2.4	2.4	1.8
6	17.6	25.0	21.3	79.7	19.88	17.4	1.0	3.2	4.2	3.4
7	17.0	26.6	20.6	82.5	19.91	17.4	0.0	0.0	0.0	4.4
8	17.5	27.6	22.0	78.6	20.68	18.0	0.0	0.0	0.0	6.1
9	18.6	26.2	21.6	81.4	21.00	18.3	0.0	5.3	5.3	2.2
10	18.5	26.3	21.0	82.3	20.46	17.9	5.7	0.0	5.7	3.2
11	17.4	27.5	21.3	83.9	21.16	18.4	0.4	31.2	31.6	2.5
12	17.5	26.6	21.0	82.6	20.23	17.7	1.1	0.3	1.4	4.7
13	18.0	26.7	21.0	83.4	20.58	17.9	0.1	0.2	0.3	2.9
14	16.5	28.0	22.2	75.0	19.88	17.4	0.0	0.0	0.0	7.4
15	17.2	27.5	22.5	77.0	20.62	18.0	0.0	0.0	0.0	7.4
16	17.6	28.0	22.4	71.0	18.89	16.6	0.0	0.0	0.0	7.5
17	17.4	26.5	22.2	79.6	21.07	18.3	0.9	0.0	0.9	5.4
18	17.6	26.2	21.0	88.9	22.12	19.1	0.3	3.1	3.4	4.1
19	17.0	26.4	20.9	79.2	19.62	17.2	1.1	0.0	1.1	3.5
20	17.4	25.8	20.6	87.6	21.02	18.3	0.6	0.0	0.6	2.5
21	17.0	26.5	21.5	81.3	20.80	18.1	0.9	1.3	2.2	4.4
22	17.5	26.4	22.2	78.4	20.81	18.1	0.0	7.6	7.6	5.1
23	17.3	23.8	19.7	86.4	19.95	17.5	4.0	0.0	4.0	6.6
24	17.0	22.8	19.6	83.5	18.97	16.7	5.9	0.0	5.9	
25	17.2	23.5	19.3	89.5	20.03	17.5	3.3	0.0	3.3	
26	17.0	26.5	21.8	80.2	20.72	18.1	0.0	31.8	31.8	
27	16.8	25.2	20.4	81.0	19.35	17.0	0.0	0.0	0.0	4.5
28	17.0	27.0	21.2	77.6	19.07	16.7	0.0	0.0	0.0	5.6
29	16.9	27.6	22.4	74.0	19.80	17.4	0.0	0.0	0.0	7.0
30	17.2	26.2	21.4	79.2	19.84	17.4	0.0	7.0	7.0	3.6
PROM	17.4	26.2	21.2	81.3	20.32	17.7	29.6	116.3	145.9	

ESTACION: LA CATALINA MUNICIPIO: PEREIRA AÑO: 1.989

ALTITUD: 1.350 LATITUD: 4-47 N. LONGITUD: 76-41 W.

M E S – JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.7	25.8	19.8	81.5	18.74	16.5	2.4	0.2	2.6	6.3
2	16.6	27.0	20.9	78.5	18.91	16.6	0.0	0.0	0.0	6.5
3	16.5	28.6	22.1	71.8	18.60	16.3	0.0	0.0	0.0	8.6
4	15.8	26.5	21.6	74.0	18.67	16.4	0.0	17.4	17.4	7.5
5	16.8	25.5	20.0	80.3	18.87	16.6	4.5	0.2	4.7	4.3
6	16.4	26.0	22.1	67.9	17.25	15.1	2.8	0.0	2.8	5.3
7	16.6	25.0	19.6	82.8	18.79	16.5	0.0	0.0	0.0	4.5
8	17.3	26.5	21.0	79.9	19.76	17.3	0.0	0.8	0.8	5.0
9	15.7	24.8	20.6	81.1	19.62	17.2	0.2	0.0	0.2	5.5
10	14.8	26.4	21.7	67.0	16.59	14.5	0.0	0.0	0.0	5.3
11	15.0	25.2	20.6	76.2	18.24	16.0	0.0	0.0	0.0	4.2
12	16.0	29.2	23.2	61.8	16.35	14.1	0.0	0.0	0.0	10.1
13	16.4	29.3	23.1	68.7	18.71	16.4	0.0	0.0	0.0	9.3
14	16.5	30.0	24.0	58.3	15.68	13.6	0.0	0.0	0.0	8.5
15	16.6	31.0	24.1	56.0	15.76	13.7	0.0	0.0	0.0	10.9
16	17.0	29.4	24.2	56.0	15.99	13.9	0.0	0.0	0.0	2.7
17	16.2	27.8	22.1	72.0	18.63	16.4	0.0	0.0	0.0	8.1
18	16.5	27.5	21.9	79.4	20.23	17.6	0.0	0.0	0.0	5.8
19	17.5	28.4	21.8	78.1	20.33	17.8	0.0	0.0	0.0	3.9
20	18.0	25.0	19.8	86.1	20.18	17.6	16.4	0.0	16.4	3.1
21	16.5	24.3	20.6	82.1	19.59	17.1	0.2	0.1	0.3	0.3
22	17.5	24.8	19.1	86.6	19.39	17.0	8.8	0.1	8.9	1.7
23	17.0	26.6	20.2	82.0	19.32	17.0	0.0	0.0	0.0	3.7
24	16.8	27.0	21.0	78.7	19.28	16.9	0.0	23.5	23.5	3.0
25	17.0	26.0	20.7	78.1	18.96	16.7	0.0	19.3	19.3	3.4
26	16.8	24.5	20.1	83.9	19.58	17.1	0.7	0.0	0.7	3.3
27	17.1	24.8	20.9	79.2	19.41	17.0	0.0	0.0	0.0	6.8
28	18.4	27.0	22.8	72.1	19.68	17.2	0.0	0.0	0.0	5.9
29	18.6	27.9	22.8	74.0	19.98	17.5	0.0	7.3	7.3	5.7
30	16.2	28.4	22.6	71.6	18.65	16.3	0.0	0.0	0.0	9.7
31	18.0	28.5	22.3	75.8	20.10	17.6	0.0	0.0	0.0	5.5
PROM.	16.7	26.9	21.5	74.9	18.70	16.4	36.0	68.5	104.9	174.4

M E S – AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.2	28.8	21.8	79.2	20.45	17.9	1.6	0.0	1.6	3.3
2	16.8	28.0	22.1	75.8	19.47	17.0	0.0	0.0	0.0	4.5
3	16.5	28.2	22.4	73.8	19.31	16.9	0.0	10.5	10.5	7.5
4	16.2	28.8	22.2	71.4	18.74	16.5	0.0	0.0	0.0	9.7
5	16.5	26.3	22.2	76.1	19.65	17.2	0.0	0.0	0.0	3.8
6	18.0	29.4	22.4	64.3	16.69	14.6	0.0	2.7	2.7	7.8
7	15.0	29.7	22.9	72.6	19.20	16.8	0.0	0.0	0.0	10.4
8	17.0	28.5	22.5	72.8	19.45	17.0	0.0	0.0	0.0	6.3
9	16.5	28.6	21.7	76.0	19.20	16.9	1.4	0.0	1.4	6.1
10	17.0	27.5	21.6	76.0	19.27	16.9	2.8	0.0	2.8	6.3
11	17.5	26.5	21.0	73.8	18.46	16.2	11.7	0.0	11.7	2.9
12	16.0	26.6	21.7	81.4	20.72	18.0	17.9	0.0	17.9	5.0
13	17.5	24.5	20.4	85.8	20.61	18.0	3.5	0.0	3.5	1.3
14	16.8	27.5	22.0	79.2	20.47	17.9	0.0	0.0	0.0	4.1
15	18.5	27.4	22.2	78.8	20.84	18.2	1.3	0.0	1.3	5.1
16	17.6	24.9	20.5	82.4	20.21	17.7	0.5	0.0	0.5	0.4
17	16.5	27.8	22.6	70.9	18.89	16.6	0.0	0.0	0.0	7.7
18	16.4	29.6	23.4	71.8	19.98	17.4	0.3	0.0	0.3	9.3
19	18.2	28.0	22.2	77.3	20.51	17.9	0.4	0.0	0.4	4.5
20	16.0	27.2	21.2	78.3	19.65	17.2	0.0	0.0	0.0	4.9
21	17.0	26.2	21.3	79.1	20.02	17.5	0.0	0.0	0.0	4.0
22	17.1	28.2	22.3	75.0	19.65	17.2	0.0	0.0	0.0	3.7
23	17.5	25.0	20.5	80.5	19.51	17.1	0.0	0.1	0.1	1.5
24	16.5	28.5	22.3	70.2	18.33	16.1	0.0	0.0	0.0	8.4
25	17.2	28.7	22.4	73.1	19.38	17.0	0.0	8.2	8.2	4.7
26	17.0	25.4	21.3	79.4	19.77	17.3	0.4	0.0	0.4	6.2
27	18.2	27.4	21.4	80.0	20.20	17.7	3.2	0.0	3.2	6.1
28	17.4	26.4	21.2	79.1	20.01	17.5	0.4	6.4	6.8	4.4
29	18.0	22.5	20.0	86.5	20.04	17.5	6.0	42.1	48.1	0.3
30	16.3	25.6	20.6	78.8	18.67	16.4	0.0	0.0	0.0	4.6
31	17.0	26.0	20.7	81.7	20.01	17.5	0.6	0.0	0.6	3.3
PROM	17.1	27.2	21.7	76.8	19.59	17.1	52.0	70.0	122.0	158.1

ESTACION: LA CATALINA MUNICIPIO: PEREIRA AÑO: 1.989

ALTITUD: 1.350 LATITUD: 4-47 N. LONGITUD: 76-41 W.

M E S - SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.1	27.6	22.2	76.3	20.42	17.8	0.0	0.0	0.0	7.1
2	17.5	27.5	21.6	78.5	20.22	17.6	0.2	0.0	0.2	4.2
3	16.8	28.4	20.7	79.7	19.80	17.3	25.3	35.8	61.1	6.0
4	17.0	27.0	21.9	76.0	19.39	17.0	0.0	23.5	23.5	6.0
5	17.5	23.0	19.5	87.9	19.96	17.4	8.8	7.3	16.1	0.2
6	17.4	23.6	20.5	84.6	20.26	17.7	2.4	1.3	3.7	2.0
7	18.4	26.8	21.0	79.2	20.10	17.6	16.8	0.0	16.8	3.1
8	17.2	26.3	20.6	83.4	20.37	17.8	0.0	0.0	0.0	3.3
9	17.7	26.0	20.3	80.9	19.61	17.2	3.7	0.3	4.0	3.2
10	17.2	27.2	21.9	82.9	21.35	18.5	0.1	0.0	0.1	2.0
11	16.3	25.9	19.3	87.9	19.85	17.4	7.9	0.2	8.1	2.9
12	17.0	27.5	21.1	79.0	19.47	17.1	0.2	9.3	9.5	5.7
13	17.6	26.8	21.3	79.2	19.71	17.3	0.0	0.0	0.0	5.8
14	17.9	27.5	21.8	72.3	18.58	16.4	0.0	0.0	0.0	5.9
15	15.6	29.4	22.4	73.8	19.42	17.0	0.0	0.0	0.0	9.3
16	17.5	28.6	22.6	76.0	20.30	17.8	0.0	0.0	0.0	6.4
17	17.4	26.2	21.0	83.8	21.19	18.4	0.4	24.1	24.5	4.5
18	17.9	24.5	20.3	86.3	20.55	17.9	1.7	0.6	2.3	2.0
19	16.0	26.8	19.6	80.8	18.64	16.4	0.0	0.0	0.0	5.1
20	17.6	24.5	19.9	85.8	20.15	17.6	0.0	0.1	0.1	0.2
21	17.4	25.0	20.5	83.5	20.00	17.5	0.1	13.4	13.5	2.7
22	16.5	23.4	18.7	86.0	18.67	16.4	10.0	0.0	10.0	0.1
23	15.8	26.5	20.9	81.4	19.78	17.2	0.3	2.2	2.5	6.6
24	17.6	26.0	21.3	82.6	20.52	17.9	0.3	6.2	6.5	4.7
25	16.6	26.2	21.3	77.1	19.31	17.0	0.0	13.7	13.7	3.4
26	16.5	24.2	20.7	81.4	19.60	17.2	18.1	2.3	20.4	3.3
27	16.3	25.0	20.2	81.7	19.20	16.9	0.2	1.3	1.5	2.5
28	17.4	20.0	18.0	91.9	19.09	16.8	11.0	0.5	11.5	0.0
29	15.5	26.8	20.8	77.0	18.57	16.3	0.0	0.0	0.0	5.7
30	16.5	25.6	21.0	77.9	19.45	17.0	0.3	0.0	0.3	3.4
PROM.	17.0	26.0	20.8	81.2	19.78	17.3	107.8	142.1	249.9	117.3

M E S - OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.5	26.8	21.5	84.0	21.50	18.6	2.5	6.2	8.7	5.7
2	18.0	26.0	20.7	80.6	19.34	16.9	0.0	0.5	0.5	2.9
3	16.8	25.7	20.8	81.2	19.79	17.3	0.0	4.8	4.8	4.9
4	16.4	25.0	20.0	82.4	19.23	16.9	0.0	3.0	3.0	2.9
5	15.4	26.0	19.7	81.2	18.64	16.4	0.1	0.0	0.1	4.7
6	14.0	27.5	21.8	77.4	20.08	17.6	0.4	3.3	3.7	8.0
7	16.5	26.4	21.8	77.5	20.00	17.5	0.3	0.1	0.4	8.1
8	16.2	23.6	20.3	86.0	20.32	17.7	0.6	3.0	3.6	2.2
9	17.0	25.6	20.1	85.5	20.32	17.7	1.7	0.0	1.7	1.9
10	16.5	25.0	19.7	81.7	19.01	16.7	10.6	23.1	33.7	3.7
11	15.8	22.9	19.4	84.6	18.88	16.6	3.6	2.9	6.5	0.9
12	15.6	24.4	20.2	81.6	19.30	16.9	8.7	0.0	8.7	1.3
13	17.5	25.8	20.2	81.9	19.58	17.2	1.3	48.2	49.5	3.4
14	16.5	25.5	20.6	80.3	19.57	17.2	0.2	0.1	0.3	3.4
15	17.8	24.4	19.9	86.4	20.47	17.9	1.0	0.0	1.0	1.7
16	15.8	25.6	20.3	80.2	19.04	16.7	0.0	0.0	0.0	3.8
17	17.8	23.8	19.5	85.1	19.19	16.9	0.6	1.3	1.9	0.2
18	17.0	26.8	21.9	76.8	20.05	17.6	0.0	5.4	5.4	4.2
19	17.6	27.8	20.9	73.3	17.99	15.8	0.5	0.0	0.5	2.7
20	16.4	27.0	22.1	74.6	19.84	17.4	0.0	0.4	0.4	7.4
21	17.4	27.2	20.4	80.8	19.94	17.4	13.2	0.1	13.3	2.8
22	17.0	27.5	22.2	76.2	20.19	17.6	0.0	0.0	0.0	6.5
23	18.4	26.2	20.4	85.6	20.82	18.1	0.5	0.7	1.2	3.9
24	17.8	26.6	20.4	82.8	20.28	17.7	21.3	1.6	22.9	2.2
25	18.0	24.0	19.9	87.6	20.48	17.9	2.5	3.4	5.9	1.1
26	17.5	23.5	20.2	88.2	20.80	18.1	5.4	0.0	5.4	1.4
27	18.5	23.6	21.3	85.7	21.94	19.0	1.3	5.1	6.4	0.5
28	17.6	24.9	20.8	85.7	21.15	18.4	1.7	0.0	1.7	1.0
29	16.6	26.8	21.5	78.9	20.02	17.5	0.0	0.0	0.0	3.8
30	18.4	26.6	21.3	81.4	20.72	18.1	1.0	34.2	35.2	2.9
31	16.0	26.4	21.5	79.4	20.26	17.7	0.0	45.7	45.7	6.0
PROM	16.9	25.6	20.7	81.8	19.96	17.5	79.0	193.1	272.1	106.1

ESTACION: LA CATALINA MUNICIPIO: PEREIRA AÑO: 1.989

ALTITUD: 1.350 LATITUD: 4-47 N. LONGITUD: 76-41 W.

M E S — NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.9	24.4	20.6	81.8	19.51	17.1	4.0	0.0	4.0	3.2
2	17.0	25.0	21.4	80.2	20.71	18.0	0.0	0.0	0.0	3.8
3	18.4	26.0	20.7	81.7	20.40	17.8	3.2	0.2	3.4	3.7
4	17.5	22.6	19.6	89.1	20.60	17.9	12.5	0.0	12.5	0.1
5	16.5	26.5	21.4	75.2	18.78	16.5	0.0	0.0	0.0	6.8
6	18.0	26.8	22.0	76.9	20.02	17.5	0.0	15.9	15.9	6.7
7	17.0	25.2	20.6	81.5	19.46	17.1	0.1	2.2	2.3	3.4
8	17.5	25.5	20.7	77.1	18.87	16.6	0.0	0.0	0.0	3.8
9	17.0	26.8	20.9	78.4	19.11	16.8	0.0	0.0	0.0	8.6
10	17.4	26.5	20.7	79.3	19.43	17.0	2.9	10.1	13.0	4.5
11	16.5	22.0	18.9	81.1	17.42	15.3	6.0	0.0	6.0	0.0
12	16.4	24.1	20.2	80.9	18.96	16.6	0.0	0.0	0.0	1.8
13	17.0	24.5	20.4	77.7	18.64	16.4	0.0	0.0	0.0	1.5
14	17.4	27.9	21.3	78.3	19.91	17.4	15.0	2.5	17.5	7.6
15	17.5	27.4	21.6	77.6	20.02	17.5	0.4	0.3	0.7	7.0
16	18.0	28.3	23.1	80.1	22.43	19.3	0.0	32.5	32.5	6.9
17	17.0	26.2	21.6	81.7	20.65	18.0	0.0	0.0	0.0	3.4
18	18.0	26.5	22.2	82.8	22.21	19.2	0.0	10.6	10.6	3.8
19	19.0	28.2	23.3	75.6	21.08	18.3	5.4	0.0	5.4	6.4
20	19.4	28.4	21.5	80.9	21.54	18.7	22.1	15.1	37.2	5.6
21	17.6	23.2	20.1	92.6	21.88	18.9	0.0	0.0	0.0	0.1
22	17.0	26.0	21.5	80.4	20.54	17.9	0.0	0.0	0.0	5.2
23	18.4	28.0	23.3	75.8	21.33	18.5	0.0	29.8	29.8	5.3
24	18.5	25.8	20.3	90.9	21.89	18.9	9.1	0.0	9.1	3.1
25	17.0	24.8	20.3	87.6	20.70	18.0	32.1	0.0	32.1	2.6
26	18.4	27.5	22.1	79.9	20.95	18.2	0.0	0.0	0.0	6.9
27	18.0	28.5	22.5	77.5	21.04	18.3	0.0	0.0	0.0	7.7
28	18.8	27.5	22.2	81.8	22.18	19.2	0.0	0.4	0.4	4.5
29	18.2	27.0	20.7	79.5	19.71	17.3	19.0	1.6	20.6	2.2
30	17.8	26.2	21.7	83.3	21.53	18.7	0.0	22.8	22.8	5.8
PROM.	17.6	26.1	21.2	80.9	20.38	17.8	131.8	144.0	275.8	132.0

M E S — DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.5	26.4	21.0	83.8	21.22	18.5	1.1	33.6	34.7	3.8
2	17.4	23.6	19.2	83.0	18.64	16.4	0.0	0.0	0.0	0.2
3	16.8	27.0	21.6	76.0	19.40	17.0	0.0	0.0	0.0	9.5
4	18.3	24.7	20.5	82.4	20.03	17.5	0.0	0.0	0.0	1.0
5	17.0	25.9	20.9	79.8	19.50	17.1	0.0	0.8	0.8	3.8
6	16.7	27.0	22.0	81.6	21.42	18.5	0.0	0.0	0.0	5.4
7	18.8	27.6	22.7	79.4	21.63	18.8	0.0	0.0	0.0	5.3
8	18.4	28.5	23.0	75.3	20.65	18.0	0.0	0.0	0.0	6.8
9	18.8	28.6	22.7	78.7	21.64	18.7	0.0	27.4	27.4	6.9
10	17.0	25.8	21.4	83.6	20.91	18.2	0.0	0.0	0.0	3.3
11	18.4	26.0	21.4	80.7	20.58	18.0	0.0	0.0	0.0	2.6
12	18.5	27.2	21.6	81.7	20.99	18.3	0.5	0.0	0.5	3.2
13	18.6	25.0	21.1	85.7	21.39	18.6	0.0	0.0	0.0	0.6
14	18.8	25.4	21.5	83.0	21.34	18.5	0.0	0.0	0.0	0.4
15	17.4	27.6	21.7	75.7	19.41	17.0	0.0	0.0	0.0	5.0
16	16.8	26.2	21.9	74.5	19.06	16.7	0.0	0.0	0.0	5.5
17	16.9	27.4	22.3	76.3	20.09	17.5	0.0	0.0	0.0	7.7
18	17.7	28.2	22.0	76.3	19.95	17.5	0.0	0.0	0.0	7.6
19	16.9	27.6	21.9	73.2	19.07	16.7	0.0	0.0	0.0	7.5
20	17.0	28.4	22.1	74.9	19.66	17.2	0.0	0.0	0.0	7.8
21	18.2	28.9	22.4	75.2	20.06	17.6	0.0	0.0	0.0	7.6
22	17.3	28.8	23.0	70.6	19.28	16.9	0.0	0.0	0.0	8.3
23	17.8	27.4	21.7	80.8	20.73	18.1	0.0	1.6	1.6	4.7
24	17.5	26.2	20.4	87.2	21.14	18.4	0.0	0.0	0.0	2.7
25	17.9	26.5	21.9	80.3	21.06	18.3	0.0	28.8	28.8	3.2
26	17.0	26.3	21.1	79.1	19.62	17.2	0.0	11.5	11.5	3.2
27	17.5	23.6	20.2	89.1	21.03	18.3	0.5	1.0	1.5	0.2
28	17.4	24.6	20.5	85.6	20.58	17.9	0.0	0.6	0.6	1.2
29	16.6	26.5	20.6	80.3	19.47	17.1	0.0	0.0	0.0	7.7
30	16.7	27.6	21.7	70.4	17.79	15.7	0.0	0.0	0.0	8.7
31	16.9	27.5	21.7	74.0	19.01	16.7	0.0	2.4	2.4	6.7
PROM	17.6	26.7	21.5	79.3	20.21	17.6	2.1	107.7	109.8	148.1

ESTACION: LA CATALINA MUNICIPIO: PEREIRA AÑO: 1.989

ALTITUD: 1.350 LATITUD: 4-47 N. LONGITUD: 76-41 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	17.2	26.3	21.0	16.0	28.5	80.8	19.91	17.4	98.6	21	117.1
FEBRERO	17.0	26.4	20.9	14.5	28.0	79.6	19.48	17.1	157.5	15	112.5
MARZO	16.8	26.2	20.9	15.2	29.2	79.3	19.28	16.9	221.4	22	153.1
ABRIL	17.5	26.8	21.9	16.0	29.6	79.8	20.70	18.0	162.7	20	
MAYO	17.2	26.3	21.1	14.2	29.3	81.5	20.30	17.7	196.5	19	131.7
JUNIO	17.4	26.2	21.2	16.5	28.0	81.3	20.32	17.7	145.9	20	
JULIO	16.7	26.9	21.5	14.8	31.0	74.9	18.70	16.4	104.9	13	174.4
AGOSTO	17.1	27.2	21.7	15.0	29.7	76.8	19.59	17.1	122.0	19	158.1
SEPTIEMBRE	17.0	26.0	20.8	15.5	29.4	81.2	19.78	17.3	249.9	22	117.3
OCTUBRE	16.9	25.6	20.7	14.0	27.8	81.8	19.96	17.5	272.1	28	106.1
NOVIEMBRE	17.6	26.1	21.2	16.4	28.5	80.9	20.38	17.8	275.8	19	132.0
DICIEMBRE	17.6	26.7	21.5	16.6	28.9	79.3	20.21	17.6	109.8	10	148.1
PROMEDIO	17.2	26.4	21.2	15.4	29.0	79.8	19.88	17.4			
TOTAL									2117.1	228	

ESTACION: LA TRINIDAD MUNICIPIO: LIBANO AÑO: 1.989

ALTITUD: 1.430 LATITUD: 4-55 N. LONGITUD: 75-04 W.

M E S - ENERO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	24.0	19.4	92.5	21.00	18.2	0.6	14.7	15.3	
2	16.0	21.2	18.3	87.8	18.58	16.3	0.0	0.0	0.0	
3	17.0	24.0	19.9	87.2	20.28	17.7	0.0	0.0	0.0	
4	17.2	25.2	20.4	87.6	21.18	18.4	0.0	0.3	0.3	
5	16.4	22.0	18.5	88.5	18.93	16.6	0.0	0.2	0.2	
6	15.6	25.2	20.1	87.9	20.83	18.1	0.0	0.0	0.0	
7	16.7	25.3	20.4	88.3	21.51	18.6	0.0	0.8	0.8	
8	15.2	24.9	19.8	86.2	20.09	17.5	0.0	12.5	12.5	
9	16.0	24.1	19.4	85.2	19.45	17.0	0.0	0.0	0.0	
10	15.0	23.4	18.4	89.1	18.95	16.6	0.0	0.0	0.0	
11	16.2	22.0	18.4	90.3	19.20	16.8	0.4	0.0	0.4	1.9
12	16.0	23.0	19.4	83.8	18.87	16.5	0.0	5.7	5.7	5.8
13	16.8	23.2	18.4	94.4	20.05	17.5	0.0	2.1	2.1	0.6
14	15.0	24.8	20.1	89.3	21.32	18.4	0.0	0.9	0.9	7.5
15	14.0	24.3	18.8	87.2	19.02	16.6	0.0	0.3	0.3	8.0
16	15.4	24.8	20.0	84.2	19.77	17.3	0.0	1.9	1.9	7.7
17	16.8	23.4	20.0	85.7	19.90	17.4	0.0	0.5	0.5	4.0
18	17.0	24.2	20.1	88.1	20.73	18.0	0.0	8.0	8.0	4.1
19	17.4	23.7	20.4	86.6	20.68	18.0	0.0	12.3	12.3	4.6
20	16.4	24.8	20.3	82.6	19.70	17.3	0.0	0.0	0.0	6.9
21	17.4	24.2	20.0	90.2	21.43	18.6	2.2	44.2	46.4	3.6
22	15.4	22.4	19.0	93.0	20.41	17.8	0.0	0.0	0.0	3.3
23	16.0	26.0	20.5	83.7	20.30	17.7	0.0	0.0	0.0	7.2
24	16.0	25.0	20.6	84.2	20.59	17.9	0.0	0.0	0.0	8.4
25	16.2	24.5	19.6	88.5	20.12	17.6	3.6	3.3	6.9	2.1
26	17.0	24.8	20.4	89.5	21.70	18.8	0.0	1.4	1.4	5.5
27	16.8	21.5	18.7	91.3	19.76	17.3	1.0	0.0	1.0	0.0
28	16.7	21.4	18.6	89.0	19.35	17.0	19.2	6.0	25.2	0.3
29	16.0	23.2	19.2	90.3	20.35	17.8	3.7	0.0	3.7	1.4
30	17.0	22.6	19.0	87.4	19.41	17.0	0.0	0.0	0.0	1.0
31	17.1	23.0	19.1	89.0	19.85	17.3	0.5	3.8	4.3	1.2
PROM.	16.3	23.7	19.5	88.0	20.11	17.5	31.2	118.9	150.1	

M E S - FEBRERO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	22.5	19.0	90.8	19.96	17.5	19.6	1.5	21.1	1.3
2	16.1	21.8	18.7	88.3	18.94	16.6	0.0	4.6	4.6	1.1
3	16.0	22.0	18.6	91.3	19.56	17.2	0.2	5.8	6.0	0.4
4	15.0	21.0	17.5	90.1	18.22	16.0	1.4	0.0	1.4	0.3
5	15.6	22.6	18.4	86.3	18.23	16.1	0.0	2.0	2.0	2.0
6	15.4	23.8	19.3	83.4	18.65	16.3	0.0	0.0	0.0	5.9
7	16.0	24.8	20.3	83.4	19.82	17.3	0.0	12.1	12.1	6.6
8	15.0	25.2	19.9	84.6	19.68	17.2	0.0	1.2	1.2	6.3
9	16.4	23.3	19.3	91.0	20.40	17.8	0.2	0.0	0.2	1.4
10	15.7	22.4	18.5	92.2	19.74	17.3	0.0	40.3	40.3	1.8
11	14.8	19.5	16.3	92.7	17.05	15.0	13.8	0.0	13.8	0.0
12	14.9	23.4	18.3	84.2	17.64	15.5	0.0	19.0	19.0	5.6
13	15.8	24.4	19.2	88.6	20.02	17.5	3.0	0.0	3.0	4.2
14	15.6	24.2	20.0	85.2	19.92	17.4	0.0	11.3	11.3	2.9
15	16.2	24.1	19.6	82.3	18.86	16.6	0.0	0.0	0.0	4.2
16	15.0	23.8	19.4	79.7	18.03	15.9	0.0	0.0	0.0	6.9
17	16.0	22.4	17.8	89.7	18.36	16.1	0.0	0.0	0.0	1.1
18	15.0	23.0	19.0	84.6	18.48	16.2	0.0	33.3	33.3	3.9
19	16.0	22.8	18.7	88.3	19.30	16.9	0.0	6.2	6.2	2.2
20	16.5	21.6	18.9	91.9	20.02	17.5	0.2	0.0	0.2	0.1
21	16.4	22.9	20.0	89.3	21.06	18.3	0.0	0.4	0.4	1.5
22	16.5	24.2	18.8	90.2	19.70	17.3	3.2	0.0	3.2	1.9
23	17.0	23.8	18.9	84.7	18.93	16.6	0.9	0.0	0.9	1.9
24	15.0	22.8	18.6	86.4	18.61	16.3	0.0	0.0	0.0	0.8
25	16.6	22.4	19.0	87.3	19.38	17.0	0.0	18.7	18.7	1.1
26	16.8	23.2	19.3	91.9	20.46	17.9	0.3	0.0	0.3	1.2
27	16.9	24.1	20.2	89.3	21.09	18.3	0.0	0.0	0.0	4.8
28	16.4	25.1	20.9	81.9	20.42	17.9	0.0	0.0	0.0	6.5
PROM	15.9	23.1	19.0	87.5	19.30	16.9	42.8	156.4	199.2	77.9

ESTACION: LA TRINIDAD MUNICIPIO: LIBANO AÑO: 1.989

ALTITUD: 1.430 LATITUD: 4-55 N. LONGITUD: 75-04 W.

M E S - MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.4	26.4	20.6	74.6	18.20	16.0	0.0	0.0	0.0	10.3
2	15.8	25.8	20.6	83.7	20.55	17.8	0.0	4.0	4.0	6.3
3	16.9	25.2	20.7	89.4	21.74	18.8	13.1	37.8	50.9	5.0
4	16.7	25.8	20.5	86.4	20.96	18.2	0.1	1.9	2.0	8.4
5	16.8	20.4	18.4	92.2	19.58	17.2	12.6	0.0	12.6	0.0
6	16.4	25.2	20.6	83.7	20.33	17.7	0.0	1.9	1.9	
7	16.2	22.9	18.4	90.3	19.39	16.9	6.6	0.0	6.6	
8	15.8	23.4	18.9	83.0	18.20	16.0	0.3	0.0	0.3	1.5
9	16.7	22.4	19.3	89.9	20.17	17.6	2.0	0.2	2.2	0.7
10	14.8	23.0	18.8	86.6	19.01	16.6	0.0	0.0	0.0	4.1
11	16.0	22.7	18.6	89.1	19.28	16.9	0.1	0.0	0.1	2.8
12	15.8	21.0	18.1	87.9	18.36	16.2	0.0	0.0	0.0	0.2
13	16.0	20.5	17.2	95.7	18.78	16.5	0.0	0.0	0.0	0.0
14	16.1	20.8	18.0	91.3	18.83	16.6	0.0	46.6	46.6	0.0
15	15.4	22.1	19.2	88.6	19.77	17.3	6.9	8.4	15.3	1.1
16	16.0	23.6	18.9	88.0	19.25	16.9	2.2	12.3	14.5	0.5
17	15.2	23.4	18.5	91.4	19.38	16.9	0.0	0.0	0.0	3.0
18	16.0	23.0	18.6	87.8	19.00	16.6	1.8	0.1	1.9	2.9
19	15.9	22.0	18.7	91.5	19.86	17.4	1.2	3.9	5.1	0.9
20	16.0	21.5	18.0	91.7	18.74	16.5	0.0	3.0	3.0	0.2
21	16.1	21.9	18.8	89.6	19.52	17.1	5.8	0.1	5.9	0.9
22	14.4	22.2	18.2	91.8	19.15	16.7	2.4	0.0	2.4	2.7
23	15.0	22.8	19.0	82.3	18.20	16.0	0.1	3.7	3.8	2.4
24	16.0	24.9	19.2	81.3	18.45	16.1	0.0	0.0	0.0	2.9
25	14.6	23.9	18.5	83.0	17.92	15.7	0.0	0.4	0.4	3.1
26	16.8	23.4	19.7	83.6	19.20	16.8	0.0	11.3	11.3	3.3
27	15.4	24.0	19.5	86.4	19.53	17.1	0.0	0.5	0.5	3.5
28	15.4	22.0	18.9	84.6	18.49	16.2	0.0	2.3	2.3	0.9
29	16.0	22.3	19.2	77.4	16.98	14.9	0.1	0.0	0.1	1.2
30	14.0	24.0	19.0	83.2	18.60	16.3	0.0	0.0	0.0	5.2
31	15.7	23.2	17.9	91.1	18.65	16.4	17.8	4.1	21.9	1.7
PROM.	15.8	23.1	19.0	87.0	19.16	16.8	73.1	142.5	215.6	

M E S - ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	23.0	18.7	86.7	18.49	16.3	0.7	0.0	0.7	1.8
2	16.8	22.8	19.0	91.0	20.25	17.7	0.2	0.0	0.2	0.2
3	17.0	21.0	18.4	94.4	20.30	17.7	6.2	0.0	6.2	0.6
4	14.8	24.0	19.4	91.6	20.22	17.6	0.0	12.5	12.5	3.2
5	15.8	24.1	20.2	88.5	20.94	18.2	3.8	0.0	3.8	2.7
6	16.0	21.6	18.6	89.2	19.13	16.7	0.0	0.0	0.0	0.7
7	15.6	24.4	20.2	79.7	19.21	16.8	0.0	0.0	0.0	9.1
8	16.4	25.8	21.0	80.2	19.85	17.3	0.0	20.4	20.4	7.5
9	16.8	24.2	20.4	87.3	21.13	18.3	0.0	0.0	0.0	5.9
10	17.4	23.8	18.9	91.7	20.33	17.7	3.6	0.0	3.6	3.2
11	15.4	25.6	20.5	82.9	20.14	17.6	0.0	20.0	20.0	8.0
12	17.0	24.6	20.2	82.9	19.58	17.2	0.3	0.0	0.3	5.3
13	17.4	24.2	20.4	88.7	21.32	18.5	0.0	1.0	1.0	4.4
14	17.0	24.0	19.8	90.3	20.88	18.2	0.7	0.0	0.7	0.9
15	17.2	24.4	19.5	88.6	20.29	17.7	5.2	0.0	5.2	1.2
16	16.2	25.2	21.1	83.5	21.09	18.3	1.3	0.3	1.6	5.1
17	17.2	26.2	21.4	82.3	21.20	18.4	0.0	0.0	0.0	6.4
18	17.0	26.4	21.8	75.7	19.54	17.1	0.3	8.9	9.2	4.5
19	16.9	25.2	20.4	86.5	20.53	17.9	0.0	0.0	0.0	6.1
20	17.8	22.8	19.7	88.7	20.54	17.9	0.4	0.0	0.4	0.6
21	18.0	22.5	20.5	87.6	20.82	18.1	0.0	13.6	13.6	0.7
22	18.0	24.3	20.4	88.3	21.31	18.5	0.0	0.0	0.0	3.6
23	18.2	24.2	20.5	87.7	21.14	18.4	0.0	2.1	2.1	2.2
24	18.0	24.8	20.1	92.6	22.08	19.0	0.0	0.0	0.0	0.8
25	18.2	25.8	21.0	83.5	20.97	18.2	0.0	0.5	0.5	5.9
26	18.6	24.4	20.4	88.0	21.48	18.6	0.2	0.0	0.2	3.2
27	17.0	24.9	20.2	83.5	19.86	17.4	2.3	2.3	4.6	4.4
28	16.8	24.4	19.7	85.7	19.93	17.3	0.0	0.0	0.0	2.5
29	16.7	25.0	20.6	82.0	20.23	17.6	0.1	3.9	4.0	2.7
30	16.6	23.2	19.9	85.0	19.67	17.3	0.0	0.0	0.0	1.9
PROM	16.9	24.2	20.1	86.5	20.41	17.8	25.3	85.5	110.8	105.3

ESTACION: LA TRINIDAD MUNICIPIO: LIBANO AÑO: 1.969

ALTITUD: 1.430 LATITUD: 4-55 N. LONGITUD: 75-04 W.

M E S - MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.8	26.3	20.0	83.1	20.52	17.9	27.1	3.3	30.4	2.3
2	16.0	24.2	19.8	86.4	20.24	17.6	0.0	0.0	0.0	5.8
3	16.8	23.4	19.0	84.6	18.88	16.5	0.0	0.0	0.0	1.1
4	15.0	25.2	20.7	81.4	20.19	17.6	0.0	0.4	0.4	7.7
5	16.0	25.4	19.9	85.5	20.01	17.4	0.0	0.0	0.0	5.7
6	17.2	22.1	18.9	88.0	19.41	17.0	0.0	0.0	0.0	0.2
7	16.8	24.3	20.3	83.8	20.24	17.7	0.0	20.5	20.5	2.8
8	17.0	23.8	18.7	90.3	19.56	17.1	2.5	16.8	19.3	1.3
9	15.3	23.2	19.6	89.2	20.29	17.7	0.0	10.3	10.3	3.9
10	16.0	22.4	18.6	94.0	20.06	17.6	1.1	0.7	1.8	0.8
11	15.8	24.2	20.4	82.1	19.91	17.4	0.0	4.3	4.3	5.9
12	17.0	24.5	20.4	85.0	20.46	17.9	0.0	22.8	22.8	5.1
13	15.0	20.0	17.2	92.7	18.18	15.9	4.5	0.0	4.5	0.8
14	16.0	24.6	19.8	84.4	19.88	17.4	0.0	0.0	0.0	3.0
15	16.6	24.0	20.3	88.1	21.02	18.3	0.0	0.0	0.0	7.2
16	16.9	25.6	21.3	83.4	21.37	18.5	0.0	0.0	0.0	8.3
17	16.8	24.9	20.8	83.5	20.87	18.2	0.0	0.0	0.0	6.8
18	16.0	25.7	21.0	81.3	20.57	17.9	0.0	0.0	0.0	5.3
19	15.8	22.4	19.2	88.6	19.80	17.3	0.0	0.5	0.5	2.5
20	17.2	24.6	20.0	85.5	20.21	17.7	0.0	0.0	0.0	5.6
21	15.4	23.0	19.9	82.1	19.43	17.0	0.0	0.0	0.0	2.0
22	16.0	23.6	19.9	82.5	19.25	16.9	0.0	0.0	0.0	5.6
23	15.8	25.0	20.2	83.1	19.89	17.4	0.0	0.0	0.0	5.2
24	17.0	23.0	20.1	86.8	20.28	17.7	0.0	30.4	30.4	3.5
25	16.5	21.2	18.4	92.8	19.74	17.3	0.4	5.6	6.0	0.2
26	16.6	21.6	17.9	95.8	19.60	17.2	10.6	0.0	10.6	1.2
27	16.0	24.0	20.2	84.7	20.00	17.5	0.0	0.2	0.2	6.1
28	17.0	21.5	18.2	96.4	20.25	17.7	6.4	0.0	6.4	0.5
29	14.7	24.8	20.4	84.0	20.33	17.8	0.0	0.0	0.0	7.8
30	17.5	24.4	20.1	87.8	20.69	18.0	0.0	0.0	0.0	4.9
31	17.2	23.2	20.8	88.5	21.85	18.9	0.1	0.0	0.1	3.1
PROM.	16.3	23.7	19.7	86.6	20.10	17.5	52.7	115.8	168.5	122.2

M E S - JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.7	24.5	20.8	83.6	20.82	18.1	0.0	0.0	0.0	3.8
2	17.0	22.8	19.7	83.2	19.45	17.0	0.0	0.3	0.3	2.7
3	16.0	19.4	17.6	95.0	19.35	17.0	29.1	0.0	29.1	0.0
4	15.2	23.1	19.3	87.8	19.76	17.2	0.0	0.0	0.0	5.7
5	17.2	24.2	20.6	87.5	21.27	18.5	0.0	0.0	0.0	4.8
6	17.0	23.3	20.7	87.2	21.48	18.6	0.0	11.8	11.8	5.9
7	16.7	23.8	19.8	88.5	20.50	17.9	1.0	0.0	1.0	3.1
8	15.9	24.2	20.3	87.4	20.99	18.2	0.0	0.0	0.0	7.2
9	17.0	23.6	20.5	89.3	21.73	18.8	0.2	0.0	0.2	3.0
10	18.2	25.2	21.4	88.1	22.60	19.4	0.0	0.0	0.0	4.9
11	17.6	24.2	20.0	94.1	21.89	18.9	0.4	0.1	0.5	3.9
12	17.5	24.4	20.7	86.8	21.01	18.3	0.0	0.3	0.3	7.1
13	16.4	23.0	19.3	92.5	20.75	18.1	0.3	0.0	0.3	0.3
14	16.7	24.0	20.0	88.4	20.85	18.1	0.0	0.0	0.0	6.0
15	17.0	25.7	21.1	78.7	20.33	17.7	0.0	0.0	0.0	8.2
16	16.0	27.4	22.3	58.3	19.88	13.0	0.0	0.0	0.0	9.4
17	16.8	24.3	20.1	83.0	19.87	17.4	0.0	0.0	0.0	6.6
18	16.2	25.0	21.2	81.2	20.59	18.0	0.0	4.1	4.1	7.4
19	17.8	22.9	19.1	92.6	20.73	18.0	0.0	0.0	0.0	3.2
20	16.4	22.8	18.4	90.4	19.44	17.0	5.0	0.0	5.0	3.1
21	15.4	23.0	19.3	91.6	20.73	18.1	0.2	2.2	2.4	2.0
22	15.8	23.8	20.0	85.8	19.92	17.4	0.0	15.8	15.8	6.3
23	16.0	23.2	18.8	89.0	19.24	16.9	11.5	0.0	11.5	1.4
24	15.8	23.6	20.0	84.1	19.77	17.2	0.0	9.1	9.1	5.7
25	15.4	20.8	17.6	94.4	19.33	17.0	29.2	0.0	29.2	1.1
26	16.0	22.8	18.9	88.7	19.45	17.0	0.0	2.0	2.0	5.6
27	16.1	23.2	19.5	85.5	19.51	17.1	0.5	0.9	1.4	5.8
28	15.6	25.2	20.2	84.6	19.99	17.5	0.0	0.0	0.0	5.4
29	15.8	26.2	20.9	81.5	20.18	17.6	0.0	0.0	0.0	6.6
30	16.8	23.2	19.8	86.4	19.97	17.4	0.0	0.6	0.6	1.8
PROM	16.4	23.8	19.9	86.5	20.25	17.6	77.4	47.2	124.6	138.0

ESTACION: LA TRINIDAD MUNICIPIO: LIBANO AÑO: 1.989

ALTITUD: 1.430 LATITUD: 4-55 N. LONGITUD: 75-04 W.

M E S - JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.4	23.8	19.4	86.0	19.66	17.2	0.0	15.6	15.6	7.0
2	16.2	21.7	18.2	94.7	20.17	17.6	6.5	0.2	6.7	1.8
3	15.0	24.0	19.0	79.2	17.60	15.4	0.0	0.0	0.0	9.2
4	14.0	24.5	19.7	77.3	17.69	15.5	0.0	0.0	0.0	9.0
5	15.6	22.8	18.4	86.6	18.52	16.3	1.3	0.0	1.3	2.2
6	16.2	22.0	19.0	87.5	19.55	17.2	0.0	0.0	0.0	3.3
7	15.0	22.5	18.2	84.6	17.52	15.4	0.0	0.0	0.0	3.2
8	13.2	24.0	18.7	71.8	15.20	13.2	0.0	0.0	0.0	8.6
9	14.2	24.2	19.3	69.7	15.24	13.3	0.0	0.0	0.0	7.7
10	13.7	25.2	20.0	72.0	16.87	14.8	0.0	0.0	0.0	10.5
11	13.2	25.0	20.6	67.0	15.89	13.5	0.0	0.0	0.0	9.7
12	15.0	26.2	21.0	65.5	16.14	14.1	0.0	0.0	0.0	10.5
13	16.0	25.7	20.3	73.6	17.41	15.3	0.0	0.0	0.0	9.1
14	16.1	26.6	20.4	74.8	17.98	15.5	0.0	0.0	0.0	7.4
15	16.2	26.2	21.7	69.3	18.06	15.5	0.0	0.0	0.0	10.1
16	15.0	24.5	20.7	68.5	16.64	14.6	0.0	0.0	0.0	4.7
17	14.8	25.2	20.3	65.5	15.38	13.3	0.0	0.0	0.0	8.7
18	14.9	25.6	20.2	77.5	18.20	16.0	0.0	0.0	0.0	5.2
19	15.5	25.2	20.2	68.5	16.03	14.0	0.0	8.5	8.5	5.3
20	16.0	22.7	18.8	91.3	20.05	17.5	0.0	0.0	0.0	1.9
21	15.0	23.2	20.1	81.0	19.06	16.7	0.0	0.0	0.0	2.7
22	17.2	21.9	18.7	90.5	20.00	17.5	12.5	0.0	12.5	0.3
23	16.0	24.5	19.4	86.8	19.79	17.3	0.0	0.0	0.0	5.3
24	16.8	23.6	20.3	85.8	20.59	17.5	0.0	0.0	0.0	2.6
25	17.0	24.8	19.8	83.7	19.48	17.0	0.0	0.0	0.0	4.0
26	16.0	21.4	18.9	89.5	19.61	17.2	0.0	0.0	0.0	0.3
27	16.9	23.2	19.7	89.2	20.65	18.0	2.2	0.0	2.2	1.4
28	15.2	24.5	20.3	84.5	20.17	17.6	0.0	0.0	0.0	2.2
29	15.0	25.5	20.8	78.1	19.29	16.5	0.0	0.2	0.2	9.0
30	17.0	27.0	21.4	76.2	19.40	17.0	0.0	0.2	0.2	7.9
31	16.8	25.5	20.8	82.7	20.46	17.8	0.0	19.8	19.8	8.3
PROM.	15.5	24.3	19.8	79.4	18.33	16.0	22.5	44.5	67.0	179.1

M E S - AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.5	24.2	19.3	90.8	20.60	17.5	0.0	0.0	0.0	
2	14.7	25.8	20.6	74.3	18.00	15.8	0.0	0.0	0.0	8.3
3	14.6	25.5	20.0	79.5	18.98	16.6	0.0	0.6	0.6	9.9
4	15.2	25.6	19.2	81.3	18.04	15.8	5.6	0.0	5.6	7.9
5	15.0	26.0	20.5	72.7	17.42	15.3	0.0	1.8	1.8	7.3
6	14.9	25.0	20.1	75.0	17.47	15.4	0.0	0.0	0.0	10.2
7	13.0	26.0	19.3	74.1	16.74	14.6	0.0	0.0	0.0	9.4
8	16.0	27.2	21.0	73.1	18.47	16.2	0.0	1.4	1.4	10.6
9	17.0	26.0	20.9	79.1	19.44	17.0	0.0	0.0	0.0	6.6
10	18.0	25.0	20.9	78.4	19.22	16.9	0.0	2.2	2.2	3.7
11	16.8	25.2	19.6	77.5	17.65	15.5	0.0	0.0	0.0	5.6
12	15.2	24.9	19.6	78.4	17.80	15.6	2.0	36.5	38.9	5.8
13	16.4	24.4	19.4	84.6	19.25	16.5	0.0	7.4	7.4	2.2
14	15.6	24.0	19.5	90.2	20.16	17.6	17.0	0.2	17.2	4.0
15	17.5	23.6	20.4	84.6	19.74	17.2	0.0	0.0	0.0	1.6
16	16.6	24.8	19.9	83.3	19.45	17.1	0.0	0.0	0.0	4.5
17	15.0	22.6	18.9	86.7	19.06	16.6	0.0	0.0	0.0	2.1
18	14.6	26.0	20.1	75.7	17.59	15.5	0.0	0.0	0.0	6.3
19	15.3	24.8	19.8	83.6	19.45	17.0	0.0	0.0	0.0	5.0
20	15.8	27.3	21.3	83.8	21.48	18.6	0.0	5.8	5.8	6.6
21	15.7	25.0	20.7	80.5	19.65	17.2	0.0	26.9	26.9	7.9
22	15.8	25.3	20.3	87.5	20.74	18.0	7.4	0.0	7.4	6.7
23	17.6	24.0	20.0	86.5	20.42	17.8	0.0	1.1	1.1	1.8
24	15.8	26.4	20.5	78.8	18.70	16.4	0.0	0.0	0.0	10.1
25	15.4	24.5	20.2	82.6	19.78	17.2	0.0	0.0	0.0	5.7
26	16.6	26.0	21.0	80.5	20.06	17.6	0.0	0.5	0.5	8.9
27	17.7	22.8	19.4	88.6	20.21	17.7	0.0	0.5	0.5	0.9
28	17.0	23.8	19.5	89.3	20.73	18.1	4.8	5.1	9.9	3.9
29	16.8	23.4	20.2	89.5	21.14	18.4	6.2	43.5	49.7	3.5
30	15.6	24.5	19.1	90.4	20.08	17.5	0.0	0.0	0.0	3.1
31	16.8	22.8	19.0	91.5	20.22	17.6	0.0	0.0	0.0	2.6
PROM	16.0	24.9	20.0	82.4	19.28	16.5	43.0	134.7	177.7	

ESTACION: LA TRINIDAD MUNICIPIO: LIBANO AÑO: 1.985

ALTITUD: 1.430 LATITUD: 4-55 N. LONGITUD: 75-04 W.

M E S - SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.0	26.4	20.2	75.2	17.91	15.7	0.0	9.6	9.6	10.1
2	16.6	26.0	21.0	75.8	19.08	16.8	0.0	0.0	0.0	9.0
3	16.7	25.8	20.4	80.2	19.19	16.8	0.0	46.3	46.3	7.8
4	15.8	24.9	19.5	85.4	19.22	16.9	0.0	0.0	0.0	4.9
5	16.5	25.0	19.6	86.2	19.84	17.3	0.0	2.4	2.4	3.7
6	16.4	23.0	18.9	91.8	20.04	17.5	1.3	1.5	2.8	3.0
7	17.2	24.0	19.3	87.9	20.30	17.7	6.1	0.0	6.1	3.2
8	15.7	25.0	19.9	85.2	20.23	17.6	0.1	0.0	0.1	3.8
9	16.8	24.8	20.3	85.2	20.13	17.6	0.0	12.4	12.4	5.5
10	17.0	23.0	18.8	92.2	19.97	17.5	3.4	0.0	3.4	3.7
11	15.0	24.8	20.3	84.3	19.92	17.4	0.0	9.0	9.0	7.8
12	16.4	25.3	20.5	84.0	20.31	17.7	0.0	4.2	4.2	8.4
13	17.3	24.8	20.3	85.7	20.41	17.8	0.0	36.1	36.1	6.4
14	15.8	24.0	20.0	86.8	20.19	17.6	0.0	8.9	8.9	5.4
15	15.6	24.9	20.5	83.6	20.01	17.4	0.0	0.0	0.0	5.8
16	16.5	25.4	20.9	74.8	18.22	16.0	0.0	0.0	0.0	8.9
17	15.3	25.3	21.1	72.0	17.98	15.8	0.0	0.0	0.0	8.4
18	15.5	24.8	19.2	82.3	18.58	16.3	0.0	0.0	0.0	8.9
19	16.3	24.2	20.4	85.2	20.59	17.9	0.0	0.3	0.3	2.8
20	17.8	22.2	18.3	93.7	19.98	17.5	6.7	0.0	6.7	0.2
21	17.0	24.1	20.3	86.6	20.60	17.9	0.0	38.4	38.4	7.3
22	16.7	22.4	18.6	92.1	19.96	17.4	0.0	14.0	14.0	1.3
23	16.6	23.6	19.4	91.0	20.53	17.9	0.9	29.1	30.0	6.3
24	15.2	24.0	19.2	89.2	19.71	17.2	0.0	1.1	1.1	3.6
25	16.2	24.9	20.4	86.3	21.04	18.2	0.0	16.7	16.7	2.9
26	16.7	22.8	19.0	87.0	19.26	16.9	0.4	1.7	2.1	4.3
27	16.6	23.0	19.0	89.3	19.65	17.2	1.8	55.2	57.0	1.3
28	15.8	22.6	18.9	90.4	19.58	17.1	0.0	10.0	10.0	2.2
29	16.0	21.2	19.0	91.7	19.86	17.4	0.0	0.1	0.1	1.0
30	17.8	24.2	19.6	86.7	20.28	17.7	0.0	0.0	0.0	3.0
PROM.	16.3	24.2	19.8	85.6	19.75	17.3	20.7	297.0	317.7	150.9

M E S - OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.3	25.8	21.0	77.5	19.39	17.0	0.0	25.8	25.8	8.3
2	16.5	22.5	19.8	89.6	20.49	17.9	0.1	44.5	44.6	2.8
3	14.8	24.3	19.4	86.6	19.55	17.1	0.0	0.0	0.0	4.7
4	16.9	20.5	17.4	94.5	18.96	16.6	8.6	7.7	16.3	1.3
5	16.5	21.5	18.1	95.5	19.77	17.3	0.0	0.0	0.0	0.3
6	15.8	24.8	20.0	83.7	19.59	17.1	0.0	31.5	31.5	7.0
7	16.0	25.0	20.1	83.9	20.29	17.7	0.0	0.0	0.0	9.4
8	17.8	24.2	19.4	90.1	20.92	18.1	8.1	0.7	8.8	2.8
9	17.3	23.8	18.9	89.3	19.80	17.3	0.1	0.0	0.1	3.1
10	16.8	24.4	19.9	89.0	20.97	18.2	0.1	13.2	13.3	3.2
11	16.3	22.8	18.5	93.8	20.01	17.9	0.4	3.4	3.8	0.6
12	14.7	23.2	18.8	87.0	18.90	16.5	0.0	0.0	0.0	2.8
13	16.0	25.0	20.5	86.0	21.15	18.4	0.0	6.0	6.0	3.7
14	17.0	23.6	19.9	88.6	20.56	17.9	0.4	50.2	50.6	3.5
15	15.2	23.7	19.9	85.9	19.95	17.4	0.9	8.7	9.6	5.9
16	17.6	24.0	20.5	87.6	21.07	18.3	0.0	36.3	36.3	5.3
17	16.3	23.9	19.8	87.7	20.25	17.6	0.0	46.7	46.7	4.6
18	15.3	23.6	19.7	88.4	20.30	17.7	0.0	18.7	18.7	6.1
19	16.7	21.9	18.9	91.6	20.04	17.5	0.6	0.0	0.6	2.6
20	16.0	24.0	19.7	88.1	20.44	17.8	0.0	1.2	1.2	7.5
21	17.5	24.3	20.9	86.2	21.39	18.6	0.0	27.0	27.0	6.9
22	15.8	24.7	18.8	87.5	19.37	16.9	0.0	0.0	0.0	5.3
23	16.4	24.8	19.9	85.3	20.10	17.6	0.0	30.2	30.2	4.6
24	16.8	22.4	19.0	92.3	20.26	17.7	11.1	1.4	12.5	0.8
25	16.6	24.2	19.7	92.8	21.58	18.6	2.4	0.0	2.4	2.8
26	16.8	25.2	21.0	87.2	21.96	19.0	0.5	2.6	3.1	3.6
27	16.4	24.2	20.1	88.6	20.93	18.2	0.0	24.4	24.4	2.4
28	16.6	22.8	18.9	91.2	20.00	17.5	0.4	0.0	0.4	2.1
29	17.3	23.2	19.2	90.4	20.37	17.8	0.0	0.0	0.0	0.7
30	17.5	22.4	18.8	91.6	19.88	17.4	0.0	0.0	0.0	1.1
31	17.6	21.2	19.1	89.6	20.08	17.6	0.0	5.0	5.0	0.5
PROM	16.5	23.6	19.5	88.6	20.27	17.7	33.7	385.2	418.9	116.5

ESTACION: LA TRINIDAD MUNICIPIO: LIBANO AÑO: 1.989

ALTITUD: 1.430 LATITUD: 4-55 N. LONGITUD: 75-04 W.

M E S - NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.4	23.4	20.0	86.3	20.14	17.6	1.9	0.0	1.9	1.4
2	16.8	23.6	17.3	93.4	18.55	16.3	46.9	0.0	46.9	0.4
3	16.3	24.0	19.6	89.7	20.51	17.9	0.3	0.0	0.3	2.9
4	17.3	24.6	21.0	85.6	21.69	18.8	0.0	0.7	0.7	2.9
5	16.0	24.8	20.2	88.8	21.25	18.4	0.0	0.0	0.0	2.4
6	18.0	25.4	20.8	86.1	21.49	18.6	0.0	9.3	9.3	5.1
7	17.5	22.8	19.8	87.4	20.07	17.5	0.2	3.9	4.1	0.4
8	17.6	21.8	18.6	93.1	20.16	17.6	1.3	17.8	19.1	0.4
9	16.8	24.0	19.6	87.4	19.82	17.3	0.9	13.5	14.4	2.5
10	16.7	23.8	19.1	88.4	19.50	17.1	0.9	0.0	0.9	1.1
11	15.5	24.2	19.4	85.6	19.34	16.9	0.0	12.9	12.9	4.6
12	16.7	23.8	19.2	86.5	19.37	17.0	0.0	1.3	1.3	5.0
13	16.9	24.2	20.0	88.2	20.88	18.2	0.3	0.0	0.3	2.3
14	15.9	24.9	20.3	85.2	20.34	17.7	0.1	0.2	0.3	3.2
15	17.2	25.8	20.9	83.8	20.77	18.1	0.0	0.0	0.0	4.5
16	17.0	24.8	20.2	88.1	20.96	18.2	0.0	32.3	32.3	3.4
17	16.0	23.5	19.5	89.0	20.17	17.5	0.0	1.6	1.6	2.0
18	16.1	23.4	20.1	90.1	21.01	18.2	0.0	0.0	0.0	1.2
19	16.7	24.8	20.3	90.0	21.66	18.7	0.0	0.0	0.0	8.5
20	17.8	25.4	21.6	87.5	22.80	19.6	0.0	22.8	22.8	6.3
21	16.6	22.8	19.5	89.0	20.20	17.6	0.1	0.0	0.1	0.3
22	16.5	24.0	20.3	87.4	20.87	18.2	6.2	0.5	6.7	1.6
23	18.4	24.2	20.1	93.9	22.14	19.1	0.2	0.0	0.2	2.7
24	17.0	23.8	19.3	84.0	19.23	16.8	0.1	0.0	0.1	1.7
25	15.9	23.0	19.1	87.7	19.60	17.1	0.0	0.0	0.0	2.5
26	15.4	24.8	19.5	88.0	20.25	17.6	0.0	0.0	0.0	4.8
27	16.0	23.8	20.9	86.2	21.44	18.5	0.0	0.0	0.0	3.3
28	16.9	25.4	21.2	88.3	22.23	19.1	0.0	0.0	0.0	3.3
29	18.4	25.8	20.7	88.8	22.18	19.1	0.0	27.1	27.1	4.9
30	16.8	23.6	18.9	93.2	20.49	17.8	0.0	0.0	0.0	3.0
PROM.	16.8	24.1	19.9	88.2	20.64	17.9	59.4	143.9	203.3	88.6

M E S - DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.2	21.8	19.3	92.0	20.56	17.9	0.1	0.0	0.1	0.1
2	17.0	22.8	19.4	86.4	19.66	17.2	0.0	4.7	4.7	0.0
3	16.5	24.0	19.3	88.9	20.10	17.6	0.0	0.0	0.0	2.3
4	17.0	23.2	19.2	90.5	20.29	17.7	0.3	0.2	0.5	0.4
5	17.2	24.0	19.0	89.6	19.70	17.3	6.9	14.4	21.3	1.7
6	16.5	23.8	19.4	87.5	20.23	17.6	0.0	0.0	0.0	5.3
7	16.0	24.9	20.5	81.5	19.55	17.1	0.0	0.0	0.0	6.8
8	15.7	24.5	20.3	82.6	19.85	17.1	0.0	0.0	0.0	5.1
9	17.9	25.9	20.8	86.7	21.46	18.5	0.0	1.5	1.5	1.4
10	17.8	24.9	19.9	91.0	21.24	18.4	0.0	1.3	1.3	0.6
11	17.4	25.2	20.7	89.0	21.98	18.9	0.0	0.0	0.0	3.7
12	16.5	26.5	20.5	84.2	20.43	17.8	0.0	0.0	0.0	4.3
13	17.6	24.9	20.5	89.0	21.57	18.6	0.0	0.0	0.0	3.1
14	18.0	23.6	20.1	89.8	21.40	18.6	0.0	0.0	0.0	0.5
15	14.7	25.6	19.6	78.5	18.47	16.1	0.0	0.0	0.0	8.8
16	13.7	24.2	19.4	81.4	18.48	15.9	0.0	0.0	0.0	5.7
17	15.6	25.9	19.5	87.8	20.09	17.5	0.0	0.0	0.0	4.3
18	15.2	25.8	20.5	82.4	20.44	17.6	0.0	0.0	0.0	7.4
19	13.7	25.2	20.2	73.8	17.86	15.5	0.0	0.0	0.0	9.5
20	15.7	25.4	20.3	82.5	19.83	17.3	0.0	0.0	0.0	6.4
21	16.8	23.7	19.8	90.5	21.07	18.3	0.0	0.0	0.0	1.4
22	16.0	25.9	20.9	82.7	20.68	17.9	0.0	1.7	1.7	8.7
23	16.4	23.2	19.4	87.5	19.67	17.2	0.4	0.0	0.4	2.4
24	15.3	22.5	19.0	88.9	19.70	17.1	0.0	1.5	1.5	1.2
25	16.5	21.9	19.2	95.4	21.28	18.6	5.2	0.0	5.2	0.1
26	16.4	23.8	19.3	85.5	19.45	17.0	0.0	0.8	0.8	2.8
27	17.0	24.0	19.6	84.2	19.72	17.2	1.2	7.2	8.4	3.9
28	16.0	23.0	19.3	81.8	18.49	16.1	0.0	4.9	4.9	1.2
29	15.8	23.2	19.3	80.4	17.91	15.8	0.0	0.2	0.2	5.0
30	16.5	25.4	19.7	74.8	17.26	15.1	0.0	0.0	0.0	7.3
31	15.7	25.2	19.2	82.2	18.59	16.3	0.0	0.0	0.0	6.7
PROM	16.3	24.3	19.8	85.5	19.90	17.3	14.1	38.4	52.5	118.1

ESTACION: LA TRINIDAD MUNICIPIO: LIBANO AÑO: 1.989

ALTITUD: 1.430 LATITUD: 4-55 N. LONGITUD: 75-04 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	16.3	23.7	19.5	14.0	26.0	88.0	20.11	17.5	150.1	21	
FEBRERO	15.9	23.1	19.0	14.8	25.2	87.5	19.30	16.9	159.2	21	77.9
MARZO	15.8	23.1	19.0	14.0	26.4	87.0	19.16	16.8	215.6	24	
ABRIL	16.9	24.2	20.1	14.8	26.4	86.5	20.41	17.8	110.8	21	105.3
MAYO	16.3	23.7	19.7	14.7	26.3	86.6	20.10	17.5	168.5	16	122.2
JUNIO	16.4	23.8	19.9	15.0	27.4	86.5	20.25	17.6	124.6	18	138.0
JULIO	15.5	24.3	19.8	13.2	27.0	79.4	18.33	16.0	67.0	9	179.1
AGOSTO	16.0	24.9	20.0	13.0	27.3	82.4	19.28	16.9	177.7	16	
SEPTIEMBRE	16.3	24.2	19.8	14.0	26.4	85.6	19.75	17.3	317.7	23	150.9
OCTUBRE	16.5	23.6	19.5	14.7	25.8	88.6	20.27	17.7	418.9	24	116.5
NOVIEMBRE	16.8	24.1	19.9	15.4	25.8	88.2	20.64	17.9	203.3	21	88.6
DICIEMBRE	16.3	24.3	19.8	13.7	26.5	85.5	19.90	17.3	52.5	14	118.1
PROMEDIO	16.3	23.9	19.7	14.3	26.4	85.9	19.79	17.3			
TOTAL									2205.9	228	

ESTACION: LA PRIMAVERA MUNICIPIO: IBAGUE AÑO: 1.989

ALTITUD: 1.300 LATITUD: 4-25 N. LONGITUD: 75-15 W.

M E S – ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1							27.6	22.0	49.6	0.9
2							17.6	0.0	17.6	0.3
3							0.0	0.0	0.0	4.6
4							0.0	0.0	0.0	6.7
5							1.5	0.1	1.6	0.5
6							0.0	0.0	0.0	4.8
7							0.0	0.2	0.2	5.7
8							0.4	0.0	0.4	5.4
9							0.0	0.6	0.6	9.0
10							0.9	2.1	3.0	2.3
11							0.2	0.0	0.2	2.9
12							0.0	0.6	0.6	9.8
13							0.7	0.0	0.7	1.5
14							14.6	0.0	14.6	4.0
15							9.5	0.0	9.5	4.5
16							0.0	0.0	0.0	6.8
17							15.9	0.0	15.9	2.2
18							0.0	0.0	0.0	8.2
19							0.0	0.0	0.0	6.4
20							5.6	0.9	6.5	3.8
21							0.0	0.0	0.0	2.7
22							0.0	0.0	0.0	2.5
23							0.0	0.0	0.0	6.1
24							0.0	0.0	0.0	3.7
25							0.7	0.0	0.7	6.5
26							0.0	0.0	0.0	1.3
27							0.0	15.2	15.2	0.2
28							3.9	0.1	4.0	1.9
29							14.0	7.0	21.0	5.3
30							0.0	8.0	8.0	1.9
31							9.1	0.0	9.1	4.6
PROM.							122.2	56.8	179.0	127.0

M E S – FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1							0.0	10.9	10.9	1.6
2							0.4	4.2	4.6	1.7
3							0.0	9.3	9.3	0.1
4							4.8	0.0	4.8	0.9
5							9.9	0.0	9.9	1.9
6							0.0	0.0	0.0	6.9
7							0.0	0.3	0.3	4.9
8							0.0	1.6	1.6	3.8
9							7.6	0.0	7.6	0.1
10							5.2	13.1	18.3	1.4
11							1.2	0.0	1.2	0.0
12							0.0	0.3	0.3	6.8
13							0.0	0.0	0.0	2.0
14							0.0	0.0	0.0	5.9
15							0.0	0.0	0.0	7.1
16							0.0	0.0	0.0	5.1
17							0.0	0.0	0.0	0.7
18							0.0	0.0	0.0	4.2
19							1.5	0.0	1.5	1.2
20							0.2	0.0	0.2	1.5
21							0.6	0.7	1.3	1.3
22							0.1	1.4	1.5	2.2
23							4.3	0.0	4.3	0.1
24							0.0	0.0	0.0	4.6
25							12.6	8.1	20.7	0.5
26							15.5	0.5	16.0	0.9
27							3.0	0.0	3.0	3.1
28							0.0	5.7	5.7	6.8
PROM							66.9	56.1	123.0	77.3

ESTACION: LA PRIMAVERA MUNICIPIO: IBAGUE AÑO: 1.989

ALTITUD: 1.300 LATITUD: 4-25 N. LONGITUD: 75-15 W.

M E S – MARZO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1							0.0	0.0	0.0	9.8
2							0.0	0.0	0.0	8.8
3	18.8	28.3	21.7	84.9	22.40	19.3	2.2	7.8	10.0	3.9
4	17.5	26.8	21.8	77.0	20.25	17.7	1.8	8.1	9.9	7.3
5	17.6	22.6	19.2	82.4	18.55	16.3	0.7	0.0	0.7	0.0
6	17.6	26.1	22.1	83.0	22.10	19.1	0.0	3.8	3.8	5.2
7	17.4	25.5	21.0	82.0	20.64	18.0	0.0	1.2	1.2	2.6
8	18.0	22.5	19.6	90.5	20.92	18.2	17.6	2.7	20.3	0.1
9	16.8	25.0	20.9	86.3	21.58	18.7	0.7	4.0	4.7	3.2
10	17.4	25.6	21.3	84.9	21.88	18.9	2.6	0.0	2.6	4.4
11	18.4	24.3	20.7	86.9	21.35	18.6	0.9	0.0	0.9	2.5
12	18.2	23.5	20.6	86.2	20.94	18.2	0.0	1.0	1.0	0.6
13	17.8	20.2	18.9	90.0	19.67	17.3	1.7	8.5	10.2	0.1
14	16.9	22.4	19.3	87.5	19.71	17.3	0.8	0.0	0.8	0.7
15	16.8	25.3	20.2	85.4	20.20	17.6	0.1	17.7	17.8	2.3
16	17.5	23.6	18.9	85.7	19.37	16.9	10.9	1.1	12.0	0.5
17	15.8	24.3	19.9	82.7	19.29	16.9	0.0	0.0	0.0	6.2
18	16.9	23.9	19.7	80.4	18.68	16.4	0.0	1.5	1.5	
19	16.5	24.6	20.0	82.3	19.41	17.0	14.1	0.3	14.4	1.9
20	16.9	20.6	18.8	88.1	19.21	16.8	0.0	0.0	0.0	0.1
21	17.0	24.8	20.1	82.3	19.66	17.2	0.0	0.0	0.0	3.0
22	15.6	24.6	19.6	83.0	18.95	16.6	0.0	0.0	0.0	4.2
23	15.3	24.9	20.8	79.2	19.54	17.1	0.0	0.0	0.0	3.4
24	16.0	24.4	19.8	83.6	19.54	17.2	0.0	0.0	0.0	7.8
25	16.6	25.6	20.6	80.1	19.69	17.2	0.0	0.1	0.1	1.7
26	17.0	25.4	20.4	77.3	18.75	16.5	0.5	4.4	4.9	5.5
27	15.9	24.4	18.9	85.5	18.69	16.4	2.4	9.2	11.6	1.9
28	16.6	23.5	19.7	86.5	19.88	17.4	3.5	2.1	5.6	4.7
29	14.9	25.8	20.1	78.8	18.87	16.5	0.0	0.0	0.0	9.9
30	16.4	26.3	21.2	69.8	17.96	15.7	0.0	0.0	0.0	9.5
31	15.4	24.7	20.4	80.5	19.81	17.3	0.0	7.5	7.5	4.3
PROM.	16.9	24.5	20.2	83.2	19.91	17.4	60.5	81.0	141.5	

M E S – ABRIL

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.4	23.1	19.6	86.0	19.86	17.4	6.7	0.0	6.7	1.3
2	17.3	22.8	19.1	86.8	19.29	16.9	0.5	6.1	6.6	0.3
3	17.5	23.6	19.0	88.1	19.43	17.0	7.2	0.0	7.2	1.5
4	16.6	25.0	20.6	78.1	18.82	16.5	0.0	33.5	33.5	5.7
5	16.5	26.2	20.6	81.1	19.71	17.2	1.2	0.0	1.2	1.8
6	16.6	22.6	19.6	80.2	18.80	16.5	3.9	0.0	3.9	0.1
7	15.5	26.7	21.0	71.7	18.36	16.0	0.0	0.0	0.0	9.1
8	17.8	27.8	21.4	74.6	19.47	17.0	0.0	9.0	9.0	6.7
9	17.5	25.4	20.9	83.5	20.93	18.2	0.0	0.0	0.0	2.5
10	17.4	25.2	21.1	80.5	20.65	18.0	5.1	0.0	5.1	1.4
11	16.0	26.2	21.1	83.2	21.03	18.3	1.4	0.0	1.4	3.3
12	17.8	25.6	21.2	81.4	20.78	18.1	0.6	8.7	9.3	3.0
13	18.0	26.0	21.1	82.7	21.10	18.3	0.0	0.0	0.0	6.0
14	18.2	26.4	21.6	81.6	21.32	18.5	1.1	16.8	17.9	1.3
15	17.4	25.6	21.0	84.2	21.14	18.4	10.2	0.0	10.2	2.5
16	17.2	26.7	21.4	83.4	21.54	18.7	9.6	0.0	9.6	6.2
17	17.9	26.9	22.0	79.8	21.39	18.6	0.0	0.4	0.4	9.0
18	17.4	26.4	22.1	74.6	20.51	17.8	0.0	0.0	0.0	6.8
19	18.3	26.8	21.9	76.7	20.42	17.8	0.0	0.0	0.0	6.6
20	17.7	26.2	21.7	72.6	19.32	16.5	0.0	0.0	0.0	7.1
21	18.0	26.8	22.2	80.4	21.97	19.0	0.0	0.1	0.1	7.2
22	18.4	27.8	21.9	74.3	19.94	17.4	3.3	0.0	3.3	2.3
23	18.2	26.3	21.6	83.8	21.93	19.0	0.0	0.0	0.0	6.6
24	18.0	25.8	21.2	83.9	21.45	18.6	2.9	25.6	28.5	2.8
25	17.4	28.0	22.2	71.1	19.56	17.1	0.5	0.0	0.5	7.2
26	18.0	25.9	20.7	83.2	20.80	18.1	3.3	0.0	3.3	1.3
27	16.7	25.8	21.3	75.0	19.31	16.8	5.0	0.0	5.0	3.6
28	18.3	26.0	21.3	80.8	20.44	17.8	0.0	0.0	0.0	6.2
29	17.7	27.4	21.3	78.2	20.15	17.6	18.3	0.0	18.3	2.5
30	17.3	26.6	21.1	80.3	20.06	17.5	0.0	0.4	0.4	5.4
PROM	17.5	25.9	21.1	80.1	20.32	17.7	80.8	100.6	181.4	127.3

ESTACION: LA PRIMAVERA MUNICIPIO: IBAGUE AÑO: 1.989

ALTITUD: 1.300 LATITUD: 4-25 N. LONGITUD: 75-15 W.

M E S – MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	26.0	19.0	81.7	18.46	16.2	54.8	6.4	61.2	0.9
2	18.0	25.3	20.8	82.8	20.40	17.8	0.0	4.6	4.6	0.9
3	17.3	24.9	20.4	82.7	19.94	17.4	0.4	0.9	1.3	4.3
4	16.9	25.8	21.3	78.0	19.89	17.4	0.0	0.0	0.0	7.5
5	17.5	26.1	21.6	80.1	20.85	18.2	0.0	0.0	0.0	5.1
6	17.3	21.9	18.9	88.1	19.44	17.0	11.3	0.0	11.3	0.0
7	16.2	27.6	21.4	75.4	19.33	17.0	0.0	13.0	13.0	8.0
8	17.4	23.7	18.7	88.2	18.97	16.7	24.0	23.3	47.3	0.6
9	16.4	25.7	20.6	82.1	19.95	17.4	0.0	0.0	0.0	3.8
10	17.1	25.3	19.9	84.2	19.94	17.4	0.0	0.0	0.0	8.8
11	16.2	27.0	21.1	77.9	19.40	17.0	0.0	0.0	0.0	6.5
12	17.6	26.8	21.0	78.6	19.74	17.3	0.0	6.2	6.2	1.8
13	16.6	23.6	20.0	88.5	20.70	18.1	0.0	1.9	1.9	4.9
14	17.4	25.7	21.1	84.6	21.43	18.6	4.7	0.0	4.7	3.3
15	17.3	26.0	20.5	84.0	20.37	17.8	0.0	0.0	0.0	3.5
16	17.4	27.5	22.2	78.2	20.81	18.1	0.0	0.0	0.0	10.4
17	17.5	26.7	21.6	80.8	21.00	18.3	0.0	0.0	0.0	5.6
18	17.4	27.2	21.8	75.7	19.67	17.3	0.1	0.0	0.1	0.5
19	17.0	26.0	21.1	81.4	20.50	17.9	0.0	0.0	0.0	5.4
20	17.8	26.9	21.3	79.1	19.97	17.5	0.0	0.0	0.0	5.3
21	18.0	23.5	20.2	87.8	20.85	18.1	0.0	0.2	0.2	6.8
22	17.8	27.6	22.0	78.4	20.59	17.9	0.0	0.0	0.0	6.7
23	17.9	26.6	21.3	79.9	20.18	17.6	0.0	0.0	0.0	6.1
24	17.5	25.8	21.0	86.3	21.62	18.8	0.0	0.0	0.0	3.5
25	17.8	22.3	19.7	94.7	21.93	19.0	12.1	5.6	17.7	0.3
26	16.9	24.9	19.7	93.1	21.25	18.5	29.3	0.4	29.7	4.6
27	17.2	28.2	21.9	79.8	21.05	18.3	0.0	19.1	19.1	8.4
28	17.3	23.8	19.5	89.6	20.63	18.0	0.0	1.6	1.6	3.6
29	15.1	25.5	20.3	86.7	20.78	18.1	0.3	0.0	0.3	10.9
30	17.9	26.7	21.5	85.6	22.23	19.2	0.0	0.0	0.0	4.7
31	17.8	27.3	21.0	80.2	20.47	17.8	2.3	0.0	2.3	4.6
PROM.	17.2	25.7	20.7	83.0	20.40	17.8	139.3	83.2	222.5	147.3

M E S – JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.5	28.2	22.7	76.0	21.27	18.5	0.0	0.0	0.0	7.2
2	17.3	27.5	21.7	80.1	20.93	18.2	0.0	0.0	0.0	6.1
3	17.5	21.7	18.9	93.3	20.55	17.9	5.8	0.0	5.8	6.2
4	16.0	26.0	21.0	83.0	20.81	18.1	0.0	0.0	0.0	7.5
5	17.5	25.6	21.6	81.4	21.02	18.3	0.2	0.0	0.2	3.2
6	18.0	24.7	20.8	80.1	20.16	17.6	0.0	1.2	1.2	3.0
7	16.8	24.6	19.3	88.8	20.00	17.5	5.9	71.1	77.0	3.2
8	16.4	21.0	18.9	95.6	21.03	18.3	3.1	5.7	8.8	6.2
9	17.0	26.0	21.1	84.8	21.13	18.3	1.1	7.8	8.9	3.4
10	18.4	26.9	22.1	83.1	22.38	19.3	2.2	0.1	2.3	4.4
11	17.8	25.6	21.5	88.1	22.42	19.3	1.0	7.0	8.0	6.7
12	17.5	25.3	20.7	84.7	20.83	18.1	0.3	15.4	15.7	0.1
13	16.5	22.6	19.4	90.3	20.58	18.0	11.4	14.4	25.8	2.2
14	16.8	26.5	21.5	79.2	20.11	17.5	0.0	0.0	0.0	7.1
15	18.0	27.0	21.8	75.3	20.02	17.5	0.0	0.0	0.0	8.0
16	17.4	26.2	22.0	77.3	20.83	18.0	0.0	0.0	0.0	8.4
17	17.5	25.5	21.6	79.7	20.93	18.2	0.0	0.0	0.0	5.8
18	16.4	26.0	21.0	81.6	20.34	17.8	0.0	0.0	0.0	6.2
19	16.9	26.2	20.4	81.6	19.82	17.3	0.0	0.0	0.0	5.1
20	17.5	24.0	20.1	81.8	19.46	17.1	0.0	0.0	0.0	1.3
21	17.6	25.7	21.0	82.2	20.52	17.9	0.0	0.1	0.1	2.5
22	17.4	27.3	21.7	80.1	20.96	18.2	0.0	17.8	17.8	7.3
23	16.7	24.2	18.9	87.2	19.50	17.1	51.8	0.0	51.8	1.4
24	16.0	25.8	20.8	80.4	20.07	17.6	0.0	42.1	42.1	5.9
25	16.5	23.8	19.4	93.6	21.28	18.4	4.1	0.0	4.1	2.6
26	16.4	25.2	21.1	85.6	21.15	18.3	0.0	0.0	0.0	7.5
27	18.4	25.4	20.8	83.9	20.88	18.2	2.0	0.0	2.0	5.9
28	16.5	26.0	21.7	76.1	20.24	17.7	0.0	2.5	2.5	9.0
29	16.8	26.9	22.1	82.4	22.36	19.3	0.1	2.5	2.6	8.8
30	16.6	25.2	20.8	83.9	20.35	17.7	0.7	0.6	1.3	3.9
PROM	17.1	25.4	20.9	83.4	20.73	18.0	89.7	188.3	278.0	156.1

ESTACION: LA PRIMAVERA MUNICIPIO: IBAGUE AÑO: 1.989

ALTITUD: 1.300 LATITUD: 4-25 N. LONGITUD: 75-15 W.

M E S — JULIO

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.5	27.0	20.7	81.1	19.87	17.4	0.0	0.0	0.0	6.0
2	16.7	25.1	18.8	87.8	19.41	17.0	7.9	0.1	8.0	4.4
3	16.0	27.1	20.3	75.8	18.20	16.0	0.1	0.0	0.1	8.6
4	17.0	26.8	21.1	68.7	17.38	15.2	0.0	0.0	0.0	10.4
5	17.1	26.0	20.2	72.8	17.52	15.3	0.0	0.0	0.0	2.8
6	17.2	23.2	20.1	74.6	17.86	15.7	0.0	0.0	0.0	0.9
7	16.5	25.0	20.4	78.4	18.78	16.5	0.0	6.0	6.0	2.3
8	16.6	26.5	20.6	71.3	17.46	15.4	0.0	0.0	0.0	6.3
9	15.0	25.6	20.0	65.6	15.46	13.4	0.0	0.0	0.0	5.9
10	16.0	27.6	21.6	63.1	16.40	14.3	0.0	0.0	0.0	8.8
11	15.4	27.4	21.8	66.9	17.17	15.1	0.0	0.0	0.0	9.8
12	16.3	27.8	20.9	67.3	16.52	14.5	0.0	0.0	0.0	10.1
13	17.0	27.3	21.4	73.0	18.70	16.5	0.0	0.0	0.0	7.3
14	17.4	28.0	21.7	73.3	19.08	16.8	0.0	0.0	0.0	3.3
15	17.5	26.5	21.3	69.5	17.78	15.6	0.0	0.0	0.0	5.9
16	17.0	26.3	20.9	70.6	17.53	15.4	0.0	0.0	0.0	1.6
17	16.8	26.2	20.5	73.1	17.88	15.7	0.0	0.0	0.0	3.4
18	16.4	27.3	22.2	65.0	17.17	15.1	0.0	0.0	0.0	5.7
19	17.8	27.5	22.1	77.4	20.97	18.2	0.0	1.7	1.7	5.0
20	17.4	26.2	21.4	79.4	19.90	17.4	0.0	0.0	0.0	3.0
21	16.9	25.8	21.5	78.0	19.85	17.4	0.0	0.0	0.0	3.8
22	18.0	26.4	21.2	80.8	20.45	17.8	3.5	0.0	3.5	2.1
23	15.0	27.0	20.4	79.6	19.06	16.7	0.0	0.0	0.0	7.5
24	17.8	27.4	22.0	79.0	21.12	18.3	0.0	6.5	6.5	5.6
25	17.5	24.8	20.3	88.4	21.09	18.3	0.9	30.7	31.6	1.8
26	16.4	24.5	19.6	86.7	19.79	17.3	0.0	12.6	12.6	1.3
27	17.4	25.2	20.6	89.2	21.82	18.9	0.0	0.0	0.0	3.1
28	16.4	26.2	21.1	84.7	21.29	18.5	0.0	0.0	0.0	7.8
29	17.2	27.3	21.8	77.6	20.63	17.9	0.0	0.0	0.0	10.7
30	17.4	27.5	22.3	73.2	20.01	17.4	0.0	0.7	0.7	10.4
31	18.4	26.5	21.6	84.8	22.14	19.1	9.4	0.0	9.4	6.6
PROM.	16.8	26.4	21.0	76.0	18.98	16.6	21.8	58.3	80.1	172.2

M E S — AGOSTO

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	26.3	21.3	80.5	20.34	17.7	0.0	0.0	0.0	2.7
2	16.5	28.3	21.9	71.7	18.54	16.3	0.0	0.0	0.0	9.9
3	17.8	27.5	21.7	67.0	17.86	15.7	0.0	0.0	0.0	11.2
4	16.8	27.4	21.1	73.5	18.19	16.0	0.0	0.0	0.0	9.2
5	16.7	28.6	22.5	69.0	18.37	16.2	0.0	13.0	13.0	6.7
6	16.5	27.4	20.8	70.5	16.86	14.8	0.0	0.0	0.0	6.7
7	16.4	27.6	21.1	72.0	17.90	15.7	0.0	0.0	0.0	11.3
8	16.8	28.4	22.5	68.2	18.77	16.5	0.5	0.2	0.7	9.8
9	17.5	28.5	22.0	74.6	19.95	17.5	0.0	0.0	0.0	5.0
10	17.3	27.8	22.2	74.7	19.96	17.4	0.0	0.3	0.3	6.5
11	17.4	27.5	21.8	74.6	19.19	16.8	0.0	0.0	0.0	5.7
12	16.5	28.2	22.4	74.8	20.12	17.6	0.0	5.3	5.3	3.2
13	17.8	21.5	18.9	90.1	20.00	17.5	0.0	0.0	0.0	8.4
14	17.4	26.0	20.6	79.1	19.64	17.2	0.0	0.0	0.0	3.5
15	17.6	28.0	21.8	78.4	20.45	17.8	0.0	0.0	0.0	5.3
16	17.5	27.0	21.6	71.3	18.87	16.6	0.0	0.0	0.0	4.5
17	16.3	27.2	21.8	73.0	18.86	16.6	0.0	0.0	0.0	3.6
18	16.6	28.6	21.7	71.5	18.68	16.4	0.0	0.0	0.0	6.6
19	17.8	27.6	22.2	72.0	19.37	17.0	0.0	0.0	0.0	5.1
20	17.4	29.0	22.5	75.9	20.57	17.9	1.8	50.5	52.3	7.3
21	17.5	27.4	21.4	87.9	22.18	19.1	3.3	0.0	3.3	7.4
22	16.4	27.5	22.4	74.9	19.53	17.1	0.0	2.1	2.1	4.2
23	17.0	25.8	21.4	76.1	19.50	17.1	0.1	8.6	8.7	9.8
24	15.4	23.5	18.9	79.5	17.26	15.2	0.0	0.0	0.0	7.8
25	15.6	26.5	20.9	77.3	19.05	16.7	0.0	10.2	10.2	8.9
26	16.5	26.6	21.1	82.8	20.77	18.1	0.0	0.0	0.0	4.9
27	17.8	26.3	20.7	84.7	20.60	18.0	0.0	0.0	0.0	4.1
28	18.0	26.0	21.3	81.2	20.72	18.1	0.0	0.0	0.0	5.8
29	17.8	25.5	21.7	82.9	21.49	18.6	0.0	0.6	0.6	4.4
30	16.5	25.1	20.2	83.7	20.06	17.5	0.0	27.4	27.4	2.9
31	17.4	24.2	19.7	88.1	20.44	17.9	0.0	0.0	0.0	3.4
PROM	17.0	26.9	21.4	76.8	19.49	17.1	5.7	118.2	123.9	195.8

ESTACION: LA PRIMAVERA MUNICIPIO: IBAGUE AÑO: 1.989

ALTITUD: 1.300 LATITUD: 4-25 N. LONGITUD: 75-15 W.

M E S – SEPTIEMBRE

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.5	29.0	22.0	62.8	16.74	14.7	0.0	0.0	0.0	6.8
2	17.0	28.0	22.0	73.7	19.29	17.0	0.0	0.0	0.0	10.3
3	17.1	27.2	22.0	72.6	19.58	17.1	0.0	0.0	0.0	8.1
4	17.5	26.4	21.4	83.8	21.46	18.6	0.0	4.7	4.7	3.4
5	18.0	22.8	18.5	97.0	20.80	18.1	7.5	0.2	7.7	0.3
6	17.5	24.1	19.5	91.9	21.29	18.5	28.7	0.0	28.7	1.7
7	17.4	25.0	20.3	87.4	21.23	18.5	1.0	0.0	1.0	2.7
8	16.0	25.2	20.3	79.3	19.54	17.0	3.5	0.0	3.5	5.5
9	17.0	27.0	21.5	81.6	21.06	18.3	0.0	0.0	0.0	6.5
10	17.4	24.3	19.6	86.3	19.79	17.3	17.6	0.0	17.6	1.3
11	16.0	26.5	21.2	82.3	20.73	18.0	0.0	29.6	29.6	8.4
12	16.5	26.8	20.9	85.6	21.29	18.5	0.0	21.6	21.6	8.5
13	16.8	26.2	20.4	85.9	20.73	18.1	1.0	0.0	1.0	2.3
14	17.0	25.8	21.0	81.2	20.67	17.9	0.0	0.0	0.0	8.0
15	16.7	27.4	21.3	83.5	20.97	18.2	10.8	10.3	21.1	6.3
16	18.0	27.5	21.9	74.8	19.52	17.1	0.0	0.0	0.0	4.9
17	17.0	27.4	22.0	68.9	18.26	16.1	0.0	0.0	0.0	6.3
18	17.0	27.1	21.3	69.8	17.83	15.7	0.0	0.2	0.2	9.9
19	16.5	27.0	22.0	72.5	19.15	16.8	0.0	0.0	0.0	4.3
20	17.3	23.5	19.5	89.2	20.38	17.8	0.0	14.4	14.4	0.7
21	17.1	26.0	21.0	86.3	21.44	18.6	3.7	27.5	31.2	4.5
22	17.0	24.5	20.0	90.0	21.10	18.3	0.3	7.1	7.4	3.7
23	16.9	26.7	20.9	82.1	20.65	17.9	0.0	27.7	27.7	7.3
24	17.0	25.6	20.8	80.8	20.00	17.5	0.0	2.6	2.6	5.0
25	17.2	24.4	19.7	86.3	20.06	17.5	0.2	0.0	0.2	6.6
26	16.5	25.8	20.0	87.6	20.47	17.9	0.0	0.0	0.0	5.6
27	17.0	25.6	20.8	85.4	21.15	18.3	0.0	18.7	18.7	4.1
28	16.5	26.3	20.1	83.7	19.47	17.0	0.0	9.0	9.0	1.6
29	16.8	25.0	20.1	86.7	20.50	17.9	0.0	16.1	16.1	3.5
30	16.5	26.5	21.1	77.4	19.55	17.1	0.0	0.0	0.0	5.8
PROM.	16.9	26.0	20.8	81.9	20.16	17.6	74.3	189.7	264.0	153.9

M E S – OCTUBRE

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.4	27.2	21.8	76.4	19.92	17.4	0.0	0.0	0.0	8.9
2	17.5	26.6	20.9	81.7	20.33	17.7	0.0	56.8	56.8	5.4
3	16.8	25.1	20.9	76.0	19.16	16.8	0.0	17.7	17.7	7.3
4	17.4	22.4	19.1	90.2	20.27	17.7	0.0	0.4	0.4	2.2
5	17.5	26.2	20.1	82.9	19.78	17.3	0.0	0.0	0.0	2.7
6	17.4	27.5	22.2	73.7	19.94	17.4	0.0	3.2	3.2	9.7
7	18.5	26.5	21.2	81.1	20.63	18.0	0.0	0.2	0.2	8.3
8	17.8	26.2	20.0	82.3	19.92	17.4	0.8	0.6	1.4	4.3
9	16.9	24.2	20.3	86.8	20.60	17.9	6.6	0.0	6.6	5.7
10	17.6	25.5	20.8	81.8	20.59	17.9	0.0	26.8	26.8	2.8
11	16.5	23.8	19.8	88.4	20.35	17.7	1.7	2.1	3.8	2.8
12	16.0	25.0	20.0	85.2	20.11	17.6	0.0	0.0	0.0	4.1
13	17.4	24.3	20.3	86.2	20.93	18.2	7.5	19.7	27.2	5.1
14	17.5	24.4	19.7	92.7	21.43	18.6	0.0	0.0	0.0	7.1
15	16.4	25.7	20.5	78.8	19.20	16.8	0.1	4.1	4.2	3.0
16	17.0	26.5	20.8	76.6	19.30	16.6	0.0	26.2	26.2	1.2
17	16.4	25.0	21.2	82.3	21.07	18.3	8.8	0.0	8.8	2.6
18	16.6	26.0	20.8	85.8	21.13	18.3	0.0	73.5	73.5	7.9
19	16.5	25.7	20.0	85.2	19.73	17.3	0.7	0.0	0.7	5.8
20	16.6	26.3	21.1	84.5	21.25	18.4	0.0	1.7	1.7	7.9
21	18.0	25.8	21.6	79.7	21.14	18.3	0.0	22.1	22.1	3.3
22	17.0	24.8	20.5	93.2	22.91	19.7	0.0	6.8	6.8	6.9
23	18.4	25.0	20.8	87.9	21.73	18.8	0.8	32.8	33.6	6.7
24	16.8	22.5	19.1	95.5	21.31	18.5	4.5	0.0	4.5	1.5
25	17.5	25.1	20.2	87.3	20.86	18.2	8.6	1.7	10.3	4.1
26	17.4	25.8	20.6	86.8	20.99	18.2	22.7	0.2	22.9	4.3
27	17.5	26.7	21.4	87.4	22.30	19.2	0.0	40.3	40.3	5.3
28	16.5	23.5	18.8	89.3	19.35	17.0	0.1	0.0	0.1	1.0
29	16.4	24.5	20.9	88.6	21.99	18.9	0.0	0.0	0.0	5.6
30	18.0	24.6	21.0	85.3	21.21	18.4	0.0	0.0	0.0	2.2
31	17.5	25.7	21.0	85.6	21.45	18.6	0.0	9.4	9.4	3.0
PROM	17.2	25.3	20.6	84.7	20.67	18.0	62.9	346.3	409.2	148.7

ESTACION: LA PRIMAVERA **MUNICIPIO:** IBAGUE **AÑO:** 1.989

ALTITUD: 1.300 **LATITUD:** 4-25 N. **LONGITUD:** 75-15 W.

M E S – NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.8	26.2	21.0	81.5	20.40	17.8	4.0	0.0	4.0	2.9
2	17.0	25.5	20.8	74.5	18.90	16.6	14.8	0.0	14.8	4.7
3	17.1	25.7	20.9	83.1	20.97	18.2	0.0	1.6	1.6	4.8
4	18.0	25.1	20.6	89.3	21.89	19.0	27.0	0.0	27.0	3.8
5	16.8	25.0	21.2	84.1	21.65	18.7	0.0	0.0	0.0	4.2
6	17.8	26.1	21.9	73.4	19.69	17.1	2.8	29.7	32.5	4.0
7	17.6	25.0	21.1	84.7	21.37	18.6	0.0	0.0	0.0	2.7
8	17.5	25.0	20.4	81.6	19.74	17.3	2.7	0.8	3.5	3.2
9	17.8	25.2	21.0	84.5	21.27	18.5	0.0	0.0	0.0	1.8
10	16.9	24.5	20.9	80.8	20.17	17.6	0.3	0.0	0.3	0.3
11	17.0	24.3	19.2	94.0	21.21	18.4	19.5	0.3	19.8	2.7
12	16.5	25.4	20.2	82.4	19.77	17.3	0.0	3.1	3.1	3.9
13	17.0	25.2	20.5	82.5	19.99	17.5	1.6	4.3	5.9	3.7
14	17.5	25.3	20.6	83.3	20.57	17.9	0.0	0.0	0.0	7.0
15	17.4	26.7	20.5	83.2	20.17	17.6	0.0	0.0	0.0	3.8
16	18.0	26.6	21.6	78.7	20.73	17.8	0.0	36.5	36.5	4.9
17	17.4	25.8	20.3	89.1	21.37	18.6	0.6	0.0	0.6	4.9
18	17.6	26.2	21.6	84.6	21.89	18.9	0.0	0.0	0.0	4.6
19	17.1	25.7	21.1	79.7	20.23	17.7	0.0	0.0	0.0	8.6
20	17.6	26.5	22.4	83.1	22.67	19.5	10.7	0.1	10.8	3.5
21	18.0	25.6	21.3	82.3	21.01	18.3	0.0	0.0	0.0	0.7
22	17.8	25.0	20.2	86.4	20.65	18.0	2.1	7.8	9.9	1.4
23	17.7	25.2	20.8	85.2	21.19	18.4	0.3	0.0	0.3	1.9
24	17.0	26.4	21.3	71.6	18.58	16.3	0.0	0.0	0.0	4.3
25	17.1	26.2	21.2	78.0	19.94	17.4	0.0	0.0	0.0	2.8
26	16.8	25.6	21.2	71.7	18.61	16.0	0.0	0.0	0.0	6.7
27	17.5	24.5	20.9	80.3	20.28	17.5	0.0	0.0	0.0	2.5
28	18.0	24.8	21.6	85.4	22.40	19.2	13.5	0.0	13.5	1.3
29	18.4	26.7	21.4	80.4	20.85	18.1	0.5	0.3	0.8	3.9
30	17.4	23.1	19.6	94.3	21.45	18.6	0.0	0.0	0.0	1.2
PROM.	17.4	25.5	20.9	82.5	20.65	17.9	100.4	84.5	184.9	106.7

M E S – DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.4	24.4	20.6	84.3	20.71	18.0	19.8	2.1	21.9	2.5
2	17.6	22.5	19.8	90.8	21.15	18.4	1.7	0.0	1.7	0.2
3	17.3	23.1	20.0	87.9	20.57	18.0	0.0	0.3	0.3	3.1
4	18.0	25.8	20.9	81.7	20.33	17.8	1.1	0.0	1.1	3.0
5	16.5	24.4	20.3	86.1	20.71	18.1	0.0	0.2	0.2	2.7
6	17.4	25.0	20.4	84.7	20.33	17.7	0.0	0.0	0.0	6.2
7	16.8	26.1	21.2	82.9	20.94	18.2	0.0	0.0	0.0	2.9
8	17.5	26.0	21.7	70.9	18.86	16.3	0.0	0.0	0.0	6.5
9	16.5	26.6	22.7	72.3	20.17	17.3	0.0	7.2	7.2	5.9
10	17.9	24.9	21.3	79.8	20.55	17.9	0.1	0.0	0.1	2.2
11	17.8	26.5	21.8	77.6	20.64	18.0	0.0	0.0	0.0	4.7
12	17.5	26.4	22.0	81.4	22.00	19.0	0.0	1.2	1.2	5.4
13	18.9	25.2	21.4	84.8	21.92	19.0	2.0	0.0	2.0	2.8
14	17.5	25.3	21.1	85.2	21.62	18.7	0.0	0.0	0.0	1.4
15	17.0	26.6	21.3	63.4	16.59	14.4	0.0	0.0	0.0	8.3
16	17.2	25.6	21.2	66.3	17.10	14.8	0.0	0.0	0.0	6.3
17	16.0	26.3	21.8	73.1	19.41	16.9	0.0	0.0	0.0	8.6
18	17.5	27.2	21.6	66.8	17.76	15.4	0.0	0.0	0.0	9.3
19	18.4	27.0	21.6	66.5	17.71	15.3	0.0	0.0	0.0	8.4
20	16.5	26.4	21.8	71.8	19.19	16.6	0.0	0.0	0.0	8.2
21	17.0	26.7	21.5	73.3	19.20	16.7	0.0	0.0	0.0	7.5
22	17.4	27.5	21.8	75.8	20.02	17.4	0.0	0.7	0.7	8.5
23	16.5	25.6	20.7	82.5	20.53	17.9	0.0	0.0	0.0	5.9
24	16.0	25.8	21.3	75.3	19.19	16.8	0.0	1.5	1.5	3.0
25	17.3	23.5	20.1	74.2	17.60	15.5	0.2	3.6	3.8	1.3
26	16.3	23.6	19.8	80.5	18.99	16.6	0.6	0.0	0.6	1.6
27	18.0	24.5	20.0	87.0	20.42	17.8	2.9	0.1	3.0	0.6
28	17.0	23.5	20.3	84.1	20.25	17.6	0.7	0.0	0.7	3.3
29	16.4	24.4	20.4	78.1	18.79	16.5	0.0	0.0	0.0	4.7
30	16.5	26.2	20.7	76.6	18.77	16.5	0.0	0.0	0.0	4.0
31	17.0	25.2	20.7	77.0	19.11	16.8	0.0	0.0	0.0	5.1
PROM	17.2	25.4	21.0	78.2	19.71	17.2	29.1	16.5	46.0	144.1

ESTACION: LA PRIMAVERA MUNICIPIO: LEAGUE AÑO: 1.989

ALTITUD: 1.300 LATITUD: 4-25 N. LONGITUD: 75-15 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO									179.0	20	127.0
FEBRERO									123.0	20	77.3
MARZO	16.9	24.5	20.2	14.9	26.3	83.2	19.91	17.4	141.5	21	
ABRIL	17.5	25.9	21.1	15.5	26.0	80.1	20.32	17.7	181.4	22	127.3
MAYO	17.2	25.7	20.7	15.1	28.2	83.0	20.40	17.8	222.5	17	147.3
JUNIO	17.1	25.4	20.9	16.0	26.2	83.4	20.73	18.0	278.0	19	156.1
JULIO	16.8	26.4	21.0	15.0	26.0	76.0	18.98	16.6	80.1	10	172.2
AGOSTO	17.0	26.9	21.4	15.4	29.0	76.6	19.49	17.1	123.9	11	195.8
SEPTIEMBRE	16.9	26.0	20.8	15.5	29.0	81.9	20.16	17.6	264.0	20	153.9
OCTUBRE	17.2	25.3	20.6	16.0	27.5	84.7	20.67	18.0	409.2	25	148.7
NOVIEMBRE	17.4	25.5	20.9	16.5	26.7	82.5	20.65	17.9	184.9	17	106.7
DICIEMBRE	17.2	25.4	21.0	16.0	27.5	78.2	19.71	17.2	46.0	15	144.1
PROMEDIO											
TOTAL									2233.5	217	

ESTACION: EL LIMON MUNICIPIO: CHAPARRAL AÑO: 1.989

ALTITUD: 950 LATITUD: 3-43 N. LONGITUD: 75-38 W.

M E S - ENERO

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.4	27.2	22.5	88.3	24.11	20.5	0.3	19.7	20.0	1.0
2	16.8	24.6	20.9	90.4	22.64	19.5	21.8	8.8	30.6	0.0
3	18.0	28.6	22.6	83.3	22.80	19.6	23.6	1.6	25.2	0.5
4	18.5	30.4	23.3	83.2	23.92	20.4	12.9	11.3	24.2	1.2
5	18.8	28.0	21.5	85.8	22.34	19.3	6.7	0.0	6.7	1.8
6	19.0	28.8	23.3	80.1	23.20	19.5	0.0	0.0	0.0	0.5
7	19.3	28.5	22.8	81.2	22.92	19.7	0.0	0.0	0.0	2.0
8	18.0	28.5	23.1	81.7	23.38	20.0	0.0	0.0	0.0	5.4
9	19.3	28.0	22.7	82.4	22.65	19.5	0.0	0.0	0.0	5.2
10	18.8	28.2	22.6	81.2	22.56	19.4	0.0	4.2	4.2	3.4
11	17.8	28.0	22.1	80.1	21.22	18.4	0.0	0.0	0.0	4.5
12	17.6	31.2	24.3	71.3	21.90	18.9	0.0	0.0	0.0	8.9
13	19.8	28.8	22.8	84.1	23.86	20.3	0.0	3.8	3.8	3.6
14	19.4	29.4	23.2	82.2	23.34	19.9	0.0	2.5	2.5	2.3
15	19.4	31.4	23.2	80.4	23.27	19.9	0.0	2.6	2.6	8.2
16	18.0	31.3	23.5	70.9	20.82	18.1	0.0	0.0	0.0	8.2
17	19.0	30.2	22.9	79.3	22.50	19.4	0.0	4.0	4.0	3.1
18	19.3	30.0	23.2	80.7	23.56	20.1	0.0	0.0	0.0	3.9
19	19.5	32.4	24.5	72.9	22.23	19.2	0.0	0.0	0.0	7.6
20	19.0	30.0	23.6	74.6	22.19	19.2	0.0	0.0	0.0	6.9
21	19.8	31.5	25.1	77.1	24.68	20.9	0.0	1.3	1.3	8.2
22	19.7	28.8	23.0	80.7	23.12	19.8	1.0	0.0	1.0	3.1
23	19.0	31.4	24.4	77.8	23.59	20.1	0.0	0.0	0.0	8.4
24	18.8	31.8	23.9	74.8	22.38	19.3	0.0	4.8	4.8	0.6
25	19.0	29.8	23.2	79.6	22.75	19.5	0.0	12.7	12.7	0.3
26	18.6	31.0	24.2	80.7	24.43	20.7	0.1	0.0	0.1	0.4
27	19.4	27.2	22.4	88.6	24.26	20.6	0.0	12.4	12.4	0.6
28	19.0	25.2	20.9	90.4	22.82	19.6	1.8	39.2	41.0	0.0
29	19.5	28.8	23.1	84.1	23.90	20.3	8.9	3.7	12.6	2.3
30	18.8	29.0	22.1	85.0	22.67	19.5	0.0	41.9	41.9	2.3
31	19.5	28.8	22.1	85.3	22.94	19.7	1.0	12.7	13.7	3.1
PROM.	18.8	29.3	23.0	81.2	23.00	19.7	78.1	187.2	265.3	107.5

M E S - FEBRERO

DIA	TEMPERATURA oC			Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	19.0	27.5	20.5	94.5	23.21	19.5	7.9	4.1	12.0	4.8
2	19.4	26.6	21.7	85.3	22.32	19.2	3.4	7.4	10.8	7.0
3	19.0	26.9	22.1	84.7	22.53	19.4	0.0	20.1	20.1	3.5
4	18.5	25.8	20.7	87.8	21.52	18.7	20.9	0.1	21.0	2.9
5	18.3	29.2	21.8	80.5	21.38	18.6	0.0	0.0	0.0	2.7
6	19.2	29.0	22.3	81.0	22.00	19.0	0.0	2.3	2.3	0.8
7	19.0	29.1	22.8	81.5	22.47	19.3	0.0	0.2	0.2	6.6
8	20.2	27.5	21.5	82.6	21.37	18.5	2.5	0.1	2.6	0.0
9	18.5	28.4	22.2	83.1	22.18	19.1	0.1	0.0	0.1	6.7
10	18.4	27.5	22.1	85.1	22.38	19.3	0.4	0.0	0.4	4.7
11	19.5	25.5	21.4	87.3	22.30	19.2	3.1	0.0	3.1	3.8
12	18.6	30.2	22.9	79.9	22.44	19.3	0.0	30.3	30.3	3.6
13	18.7	30.4	23.6	80.3	23.03	19.7	0.0	29.0	29.0	1.0
14	18.0	29.4	22.4	81.8	22.04	19.0	0.0	0.0	0.0	2.2
15	18.7	29.0	23.0	81.1	22.60	19.5	0.0	0.0	0.0	4.7
16	18.0	27.4	22.0	85.1	22.50	19.4	0.6	2.4	3.0	2.2
17	18.5	26.3	22.2	81.5	21.67	18.7	0.1	0.0	0.1	2.5
18	18.6	28.0	22.4	82.7	22.72	19.5	0.0	0.0	0.0	7.8
19	17.5	29.5	22.4	81.1	22.33	19.3	0.0	13.1	13.1	0.2
20	18.4	29.0	21.9	80.7	21.22	18.4	0.0	0.0	0.0	5.0
21	19.8	30.0	23.1	75.6	20.76	17.9	0.0	0.0	0.0	2.6
22	19.0	31.8	23.1	77.5	22.07	19.1	0.0	41.6	41.6	0.0
23	18.8	25.3	21.4	89.7	23.04	19.7	0.0	0.0	0.0	3.7
24	18.7	26.8	22.8	83.7	23.13	19.8	0.0	15.8	15.8	0.0
25	19.6	27.0	21.4	85.6	21.96	19.0	1.8	0.0	1.8	6.8
26	18.7	26.5	22.1	81.8	21.95	19.0	0.0	0.0	0.0	4.5
27	19.6	30.8	23.7	79.1	22.70	19.5	0.0	0.0	0.0	10.1
28	18.6	30.5	24.7	70.6	21.14	18.2	0.0	0.0	0.0	5.0
PROM	18.8	28.2	22.3	82.6	22.18	19.1	40.8	166.5	207.3	105.4

ESTACION: EL LIMON MUNICIPIO: CHAPARRAL AÑO: 1.989

ALTITUD: 950 LATITUD: 3-43 N. LONGITUD: 75-38 W.

M E S - MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.8	34.0	24.0	70.1	19.45	16.9	0.0	27.3	27.3	9.4
2	19.5	33.0	25.4	76.6	24.15	20.5	0.9	13.2	14.1	6.1
3	19.4	32.0	24.6	75.7	23.09	19.8	2.3	0.0	2.3	
4	19.1	31.0	24.3	81.1	24.58	20.8	0.0	29.6	29.6	
5	19.0	23.3	20.8	95.3	23.40	20.0	14.4	0.0	14.4	
6	18.9	29.7	23.7	83.5	24.07	20.5	0.0	3.4	3.4	2.0
7	19.4	28.7	23.7	84.2	24.24	20.6	0.0	0.0	0.0	
8	18.7	27.0	21.6	89.0	23.10	19.8	1.9	0.0	1.9	1.3
9	18.0	28.3	22.0	84.6	22.28	19.2	0.0	31.4	31.4	0.4
10	19.4	29.1	23.3	84.4	23.94	20.4	0.9	39.5	40.4	1.8
11	19.5	28.4	22.9	86.4	23.91	20.3	0.0	0.0	0.0	3.1
12	19.3	27.7	23.0	86.1	24.14	20.5	0.0	0.0	0.0	2.3
13	19.4	25.8	22.0	87.7	23.09	19.8	0.0	1.5	1.5	0.7
14	19.2	27.0	22.3	86.8	23.23	19.9	18.9	10.9	29.8	0.0
15	18.4	27.5	22.3	86.1	22.94	19.7	5.4	1.5	6.9	1.3
16	18.8	24.0	20.6	94.8	23.03	19.7	0.7	19.2	19.9	3.0
17	19.4	27.8	22.2	88.1	23.65	20.2	0.0	0.0	0.0	4.4
18	18.4	27.1	22.2	85.3	23.04	19.8	0.0	0.0	0.0	4.4
19	18.3	28.0	22.9	82.0	22.57	19.4	0.0	10.7	10.7	0.0
20	19.0	25.4	20.7	95.7	23.24	19.9	18.7	4.4	23.1	0.7
21	18.4	28.0	22.1	87.9	23.05	19.7	1.3	0.5	1.8	1.4
22	18.2	26.5	22.9	84.0	22.83	19.5	0.0	44.7	44.7	3.8
23	18.0	28.5	22.0	84.3	22.03	19.0	0.0	1.7	1.7	4.1
24	17.3	26.3	21.6	85.0	21.81	18.5	0.0	0.0	0.0	0.2
25	18.4	27.8	22.3	84.1	22.63	19.5	0.0	0.0	0.0	8.3
26	18.3	28.4	22.8	85.0	23.59	20.1	0.0	8.5	8.5	4.4
27	19.4	28.3	22.8	84.6	23.48	20.1	0.0	0.0	0.0	5.5
28	19.2	26.4	21.6	85.0	22.06	19.1	0.0	0.0	0.0	0.4
29	18.0	27.5	22.2	83.5	22.36	19.2	0.0	0.0	0.0	4.9
30	17.0	29.2	22.9	79.6	21.90	18.5	0.0	1.7	1.7	7.1
31	18.6	27.6	21.8	80.7	20.92	18.2	0.9	0.2	1.1	0.7
PROM.	18.7	28.0	22.6	84.8	22.96	19.7	66.3	249.5	316.2	

M E S - ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	19.3	27.8	22.2	84.2	22.55	19.4	0.0	0.0	0.0	2.0
2	18.7	25.6	22.2	84.2	22.28	19.1	0.0	17.0	17.0	0.2
3	19.4	26.8	21.9	85.1	22.36	19.2	6.0	0.0	6.0	4.1
4	18.2	29.5	22.2	85.7	22.92	19.6	0.0	4.1	4.1	4.1
5	19.6	30.4	23.6	78.7	23.28	19.9	0.0	0.0	0.0	3.4
6	18.0	28.9	22.2	84.4	22.46	19.3	0.0	0.0	0.0	5.9
7	17.6	31.5	23.6	79.2	23.11	19.8	0.0	0.0	0.0	7.2
8	19.4	32.1	24.3	79.2	23.59	20.1	0.0	0.3	0.3	4.6
9	19.6	31.3	23.8	77.6	22.51	19.4	0.0	0.0	0.0	3.6
10	18.0	30.0	23.8	79.9	22.72	19.4	0.0	0.0	0.0	8.4
11	17.6	32.0	24.6	77.0	22.89	19.6	0.0	0.0	0.0	6.1
12	18.6	31.4	24.1	80.4	23.67	20.2	0.0	1.2	1.2	0.0
13	19.3	29.0	23.0	81.6	22.68	19.5	0.0	0.5	0.5	1.3
14	19.5	28.8	23.4	77.9	21.89	18.9	1.3	22.5	23.8	4.5
15	19.8	31.2	24.1	80.8	23.93	20.4	0.0	0.0	0.0	7.2
16	19.3	30.8	23.9	77.5	23.21	19.8	0.0	12.6	12.6	1.2
17	19.8	31.6	24.4	79.7	23.92	20.3	7.5	0.0	7.5	3.1
18	19.8	29.0	22.9	81.2	22.37	19.2	0.5	0.2	0.7	2.9
19	19.7	31.6	23.4	76.0	21.75	18.8	0.0	0.0	0.0	0.8
20	18.6	31.0	24.3	78.7	23.79	20.3	0.0	0.0	0.0	4.6
21	20.4	31.7	24.1	79.2	23.60	20.1	0.0	0.0	0.0	7.4
22	19.6	31.6	24.4	76.8	23.25	19.9	0.0	0.0	0.0	4.0
23	21.4	29.7	24.5	84.2	26.07	21.8	4.8	7.6	12.4	3.2
24	18.4	30.8	24.3	82.1	24.46	20.6	0.9	0.0	0.9	7.6
25	18.5	32.2	24.8	78.5	24.28	20.6	0.0	0.4	0.4	0.8
26	20.4	26.9	22.9	92.1	25.85	21.6	0.8	0.0	0.8	5.1
27	18.9	29.3	23.5	82.7	23.64	20.1	0.0	23.5	23.5	2.3
28	20.0	30.2	23.9	82.9	24.27	20.6	0.0	24.7	24.7	2.9
29	20.3	29.2	23.3	85.2	24.39	20.7	17.3	18.8	36.1	6.8
30	19.0	30.7	22.9	83.2	23.13	19.8	0.0	17.5	17.5	0.6
PROM	19.2	30.1	23.6	81.2	23.36	19.9	39.1	150.9	190.0	115.9

ESTACION: EL LIMON MUNICIPIO: CHAPARRAL AÑO: 1.989

ALTITUD: 950 LATITUD: 3-43 N. LONGITUD: 75-38 W.

M E S - MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	19.4	30.2	24.0	83.6	24.74	20.9	0.0	16.0	16.0	4.5
2	18.0	28.3	23.0	77.8	21.60	18.7	0.0	72.4	72.4	7.1
3	18.1	27.1	22.7	86.6	23.63	20.2	1.3	2.9	4.2	5.3
4	18.0	30.0	23.4	80.8	23.52	20.1	0.0	1.6	1.6	4.9
5	19.0	30.6	23.7	82.0	23.32	19.8	0.0	31.0	31.0	4.3
6	19.4	24.5	21.3	95.4	24.21	20.6	0.0	0.0	0.0	
7	17.5	30.7	23.3	76.3	21.49	18.6	0.0	0.0	0.0	1.7
8	17.5	28.5	23.4	83.1	23.69	20.2	3.6	6.5	10.1	7.4
9	19.2	29.6	22.8	84.6	23.29	19.9	0.0	4.3	4.3	9.6
10	19.8	29.5	22.5	83.4	22.93	19.7	6.2	0.0	6.2	1.5
11	17.6	31.8	24.8	72.8	22.63	19.4	0.0	1.0	1.0	9.0
12	19.3	31.7	24.2	75.9	22.79	19.6	0.0	46.2	46.2	3.9
13	18.4	26.8	21.4	85.6	21.69	18.7	3.7	0.0	3.7	0.5
14	18.8	28.8	23.3	79.6	23.04	19.8	0.2	11.1	11.3	9.2
15	19.4	28.9	22.6	84.6	23.14	19.8	0.0	0.0	0.0	5.6
16	19.0	32.1	24.1	73.8	21.99	19.0	0.0	0.0	0.0	2.6
17	18.6	30.8	24.1	76.1	22.62	19.5	0.0	0.2	0.2	2.7
18	18.3	30.0	23.4	78.0	22.26	19.1	5.9	0.1	6.0	2.4
19	18.6	29.2	24.0	76.2	22.83	19.6	0.0	2.3	2.3	1.6
20	19.4	31.2	24.3	77.3	23.16	19.8	0.0	0.0	0.0	3.0
21	19.5	30.2	24.1	79.2	23.59	20.1	0.0	0.0	0.0	0.0
22	19.4	30.5	24.6	77.4	23.04	19.7	0.0	0.0	0.0	2.1
23	19.8	29.0	23.8	83.2	24.10	20.5	0.0	0.0	0.0	3.5
24	19.7	29.5	24.0	83.9	24.52	20.7	0.0	2.7	2.7	9.2
25	19.8	28.2	22.4	88.0	24.16	20.9	11.0	0.0	11.0	7.2
26	19.5	27.0	22.1	90.2	24.07	20.5	1.1	0.0	1.1	5.2
27	18.8	31.6	24.8	76.6	23.45	20.0	0.0	43.6	43.6	7.3
28	18.5	26.2	22.0	87.7	23.57	20.1	18.2	0.0	18.2	0.8
29	16.5	30.2	23.1	81.8	23.05	19.8	0.0	12.9	12.9	1.8
30	19.2	29.3	22.1	89.5	23.93	20.4	6.7	0.0	6.7	0.4
31	19.0	31.8	24.7	76.8	23.54	20.1	0.0	0.0	0.0	4.3
PROM.	18.8	29.5	23.4	81.5	23.21	19.9	57.9	254.8	312.7	

M E S - JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.8	31.4	23.6	80.5	23.55	20.1	0.0	0.0	0.0	2.7
2	18.3	31.2	23.8	77.4	22.52	19.4	0.0	27.2	27.2	7.6
3	19.0	21.7	20.0	97.1	22.96	19.7	21.5	0.0	21.5	0.0
4	17.5	29.6	22.2	82.2	21.96	19.0	0.0	0.0	0.0	4.8
5	18.2	31.6	23.1	82.4	23.37	20.0	11.2	0.0	11.2	5.1
6	18.7	30.7	23.8	80.7	23.87	20.3	0.0	3.5	3.5	6.0
7	19.4	26.7	21.9	89.5	23.76	20.2	0.2	15.1	15.3	2.7
8	18.5	29.9	23.5	84.8	24.10	20.4	4.0	0.0	4.0	2.4
9	19.1	28.4	23.6	84.4	24.24	20.5	0.0	0.0	0.0	3.1
10	19.8	31.7	25.0	80.9	25.46	21.4	0.0	1.1	1.1	6.6
11	20.2	30.2	23.2	81.4	23.36	20.0	0.0	4.9	4.9	5.5
12	19.0	31.0	23.9	81.1	23.59	20.1	0.5	3.0	3.5	5.7
13	19.4	28.6	23.2	83.7	23.47	20.0	2.3	6.2	8.5	8.6
14	19.6	31.3	24.3	77.5	22.92	19.6	0.0	0.0	0.0	5.2
15	18.4	31.4	24.6	75.0	22.37	19.2	0.0	0.0	0.0	8.5
16	19.0	30.9	23.7	74.3	21.26	18.4	0.0	0.0	0.0	
17	19.4	30.1	23.6	74.3	21.55	18.6	0.0	0.0	0.0	
18	19.5	30.0	23.6	75.7	22.38	19.3	0.0	0.2	0.2	2.5
19	19.0	30.9	23.2	79.4	22.14	19.1	0.0	0.0	0.0	5.5
20	19.6	28.8	23.1	81.7	23.18	19.8	0.0	0.0	0.0	2.0
21	19.8	28.2	23.5	83.2	24.08	20.5	0.0	0.0	0.0	0.3
22	20.0	32.0	24.3	73.7	22.08	19.0	0.0	0.0	0.0	7.2
23	20.4	27.4	21.5	94.1	24.64	20.8	1.8	0.0	1.8	1.9
24	17.8	29.5	22.8	81.6	22.60	19.4	0.0	5.6	5.6	3.2
25	18.6	27.8	22.6	81.4	22.48	19.3	1.0	1.8	2.8	1.7
26	19.4	30.2	23.3	80.1	22.65	19.5	0.0	41.9	41.9	5.6
27	17.8	29.0	22.3	84.2	22.63	19.5	0.0	1.8	1.8	5.3
28	18.6	29.8	23.1	80.0	22.99	19.7	0.0	0.0	0.0	7.1
29	19.0	31.2	23.5	76.2	21.71	18.8	0.0	50.2	50.2	8.8
30	18.4	30.4	24.1	77.3	23.20	19.8	0.0	0.0	0.0	5.5
PROM	19.0	29.7	23.3	81.2	23.04	19.7	42.5	162.5	205.0	

ESTACION: EL LIMON **MUNICIPIO:** CHAPARRAL **AÑO:** 1.989

ALTITUD: 990 **LATITUD:** 3-43 N. **LONGITUD:** 75-38 W.

M E S — JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.4	31.3	23.8	72.8	20.89	18.1	0.0	0.0	0.0	7.3
2	19.0	27.0	19.8	85.9	20.59	17.9	0.0	0.1	0.1	2.2
3	16.2	30.8	22.3	72.8	19.19	16.7	0.0	0.0	0.0	
4	16.0	31.0	23.4	71.5	20.27	17.7	0.0	0.0	0.0	
5	18.4	28.0	22.8	76.7	21.35	18.5	0.0	0.7	0.7	1.4
6	18.8	25.5	21.1	87.9	22.24	19.2	0.1	1.5	1.6	0.1
7	17.8	28.0	22.1	80.2	21.21	18.4	0.0	0.0	0.0	2.4
8	18.2	29.0	22.5	72.0	19.34	16.9	0.0	0.0	0.0	3.5
9	16.8	30.2	22.8	73.5	20.27	17.7	0.0	0.1	0.1	6.9
10	17.6	31.5	23.6	71.0	19.92	17.4	0.0	0.0	0.0	7.1
11	17.8	31.2	24.2	65.0	19.46	17.0	0.0	0.0	0.0	4.9
12	19.0	32.0	24.3	71.1	20.85	18.1	0.0	0.0	0.0	6.4
13	19.1	30.8	23.6	73.8	20.90	18.0	0.0	0.0	0.0	4.2
14	17.5	32.8	24.5	71.9	21.44	18.5	0.0	0.7	0.7	6.3
15	19.0	32.1	25.4	64.2	20.20	17.6	0.0	0.8	0.8	5.5
16	19.3	27.5	22.6	80.3	22.10	19.1	0.0	0.0	0.0	0.1
17	18.6	30.8	23.6	74.8	20.97	18.2	0.0	0.0	0.0	4.9
18	18.0	29.2	23.3	71.8	19.54	17.0	0.0	0.0	0.0	0.0
19	18.6	31.7	24.3	70.9	20.57	17.8	0.0	0.7	0.7	3.0
20	19.5	28.7	22.9	78.0	21.98	19.0	0.4	0.0	0.4	0.7
21	18.0	28.6	23.1	76.7	21.42	18.6	0.0	0.4	0.4	1.3
22	19.0	29.0	23.0	80.8	22.56	19.4	0.3	0.0	0.3	0.0
23	17.3	31.8	24.3	73.4	21.59	18.7	0.0	0.1	0.1	7.8
24	19.5	30.1	23.4	83.1	23.93	20.4	0.8	27.4	28.2	4.5
25	18.8	29.2	23.7	82.6	23.58	20.1	0.0	44.5	44.9	4.2
26	19.0	28.8	22.4	82.3	22.04	19.0	0.9	0.1	1.0	3.4
27	19.2	32.0	24.5	75.5	23.34	19.9	0.0	0.0	0.0	7.6
28	18.6	31.0	23.9	75.2	22.43	19.3	0.0	15.0	15.0	9.0
29	18.5	30.2	22.9	80.1	22.18	19.1	3.6	0.0	3.6	3.1
30	18.4	31.4	24.1	76.9	22.86	19.6	0.0	23.7	23.7	9.3
31	19.8	31.0	23.5	79.7	22.56	19.4	4.8	2.4	7.2	
PROM.	18.4	30.1	23.3	75.9	21.35	18.5	10.9	118.6	129.5	

M E S — AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	19.5	30.8	23.9	77.7	22.78	19.5	0.0	0.0	0.0	3.7
2	18.6	31.5	23.9	72.9	21.55	18.7	0.0	0.0	0.0	8.0
3	16.5	32.4	24.2	69.1	20.23	17.6	0.0	0.0	0.0	9.1
4	17.0	32.2	23.0	72.8	20.14	17.6	0.0	0.0	0.0	9.2
5	18.8	32.5	24.3	72.1	21.34	18.5	0.0	0.2	0.2	5.6
6	19.0	30.4	22.3	77.0	20.70	18.0	0.0	0.0	0.0	4.3
7	16.5	32.6	23.5	73.3	20.68	18.0	0.0	0.0	0.0	10.3
8	17.4	33.0	24.4	68.6	20.70	18.1	0.0	0.0	0.0	10.1
9	19.5	32.4	24.5	77.5	23.49	20.0	0.0	0.0	0.0	4.2
10	18.4	30.2	23.7	79.9	23.24	19.9	0.0	0.0	0.0	5.2
11	18.5	31.3	23.5	75.4	21.29	18.5	0.0	0.0	0.0	3.0
12	17.0	32.6	25.2	65.3	20.43	17.8	0.0	0.0	0.0	3.7
13	19.3	31.5	24.1	72.3	21.59	18.7	0.0	0.4	0.4	9.1
14	19.4	31.2	22.9	76.8	21.07	18.3	0.0	0.3	0.3	5.2
15	19.6	31.7	24.6	72.5	22.43	19.3	0.0	0.0	0.0	0.8
16	19.3	30.4	23.9	71.8	20.70	18.0	0.0	0.0	0.0	0.6
17	17.0	30.0	23.3	77.6	21.50	18.6	0.0	0.0	0.0	
18	17.6	31.5	23.8	71.7	21.02	18.3	0.0	0.0	0.0	3.7
19	18.0	32.3	24.2	70.7	21.28	18.5	0.0	0.0	0.0	6.1
20	17.8	33.4	25.5	68.3	22.29	19.4	0.0	20.1	20.1	5.6
21	19.0	31.6	23.4	78.1	21.96	19.0	0.9	35.8	36.7	9.2
22	18.3	32.6	23.4	76.7	21.74	18.8	0.0	1.2	1.2	8.5
23	19.5	29.7	23.7	76.9	22.37	19.3	0.0	0.0	0.0	
24	17.0	33.0	23.5	68.4	19.13	16.7	0.0	0.0	0.0	
25	16.5	31.0	23.4	75.7	21.08	18.1	1.7	0.0	1.7	2.9
26	18.6	32.4	25.3	69.9	21.67	18.7	0.0	5.0	5.0	5.7
27	19.4	32.6	24.7	74.8	22.32	19.2	2.3	0.3	2.6	2.5
28	20.0	29.7	22.9	76.0	21.08	18.3	0.0	1.4	1.4	
29	19.3	30.0	23.5	74.4	21.11	18.3	0.0	0.0	0.0	
30	19.4	30.5	22.8	75.3	20.71	18.0	4.1	35.4	39.5	9.4
31	18.5	26.9	20.7	81.7	19.86	17.4	0.0	0.0	0.0	
PROM	18.4	31.4	23.7	73.9	21.34	18.5	9.0	100.1	109.1	

ESTACION: EL LIMON MUNICIPIO: CHAPARRAL AÑO: 1.989

ALTITUD: 990 LATITUD: 3-43 N. LONGITUD: 75-38 W.

M E S - SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.8	33.2	24.1	73.6	21.28	18.4	0.0	0.0	0.0	
2	18.4	32.4	24.4	74.9	22.09	19.0	0.0	22.1	22.1	
3	17.5	32.5	24.4	75.7	22.47	19.3	2.3	105.8	108.1	
4	17.3	29.8	23.3	76.7	21.56	18.7	1.9	0.0	1.9	
5	17.0	28.8	22.3	81.2	21.73	18.8				
6	19.4	28.3	23.3	81.4	23.00	19.7				
7	19.8	29.5	23.3	79.4	22.68	19.5				
8	19.0	27.6	22.9	78.8	21.56	18.6				
9	18.9	31.6	24.7	72.6	21.72	18.8				
10	18.5	29.0	23.4	75.2	21.21	18.5				
11										
12										
13										
14										
15										
16										
17										
18	18.0	30.7	23.9	72.6	20.96	18.2				
19	17.4	30.8	24.5	73.6	21.78	18.6				
20	19.6	25.7	22.4	90.5	24.58	20.8				
21	20.0	30.8	23.1	83.0	23.27	19.5	7.4	0.1	7.5	
22	19.7	29.5	23.1	83.8	23.56	20.1	1.7	27.0	28.7	5.4
23	18.0	31.5	23.6	80.1	22.63	19.4	0.0	3.1	3.1	6.7
24	18.7	30.0	23.7	82.2	23.78	20.2	0.0	0.9	0.9	6.3
25	18.6	27.8	22.2	88.1	23.50	20.1	1.3	24.6	25.9	3.3
26	18.8	30.2	22.5	79.3	21.36	18.5	0.0	0.0	0.0	4.8
27	18.5	29.8	21.7	80.6	21.20	18.4	19.4	4.4	23.8	4.1
28	19.2	26.5	22.7	78.6	21.17	18.2	0.0	4.3	4.3	2.5
29	19.4	27.5	21.8	84.1	22.14	19.1	0.0	0.0	0.0	4.3
30	18.6	30.6	23.5	74.9	21.49	18.6	0.0	0.0	0.0	4.0
PROM.										

M E S - OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.6	31.5	24.1	68.3	20.05	17.5	0.0	0.0	0.0	7.7
2	18.0	28.8	23.2	72.9	19.95	17.2	0.0	0.0	0.0	
3	18.8	29.6	23.3	76.3	21.58	18.7	0.0	1.1	1.1	
4	18.3	27.5	21.4	84.4	21.49	18.6	0.0	0.0	0.0	
5	18.7	28.5	21.9	78.2	20.62	18.0	0.0	0.0	0.0	
6	17.3	29.4	23.0	66.0	18.04	15.6	1.6	10.7	12.3	
7	16.8	30.8	22.8	70.1	19.50	17.1	5.6	0.0	5.6	
8	16.8	28.6	22.6	76.2	20.94	18.2	0.0	25.3	25.3	
9	18.0	29.0	22.4	87.6	23.67	20.2	0.0	0.6	0.6	
10	17.4	28.5	22.0	86.6	22.72	19.5	0.1	39.5	39.6	
11	17.5	25.5	20.4	87.3	20.93	18.2	1.7	22.4	24.1	0.9
12	17.0	28.6	22.7	83.6	22.79	19.5	0.0	14.5	14.5	3.0
13	18.5	28.0	21.4	84.7	21.56	18.7	0.2	73.2	73.4	3.5
14	17.8	27.8	21.2	84.3	21.19	18.4	0.1	0.0	0.1	4.6
15	16.5	29.0	22.1	81.9	21.73	18.8	0.2	2.2	2.4	4.3
16	18.1	30.4	22.4	75.2	19.72	17.2	0.0	0.0	0.0	5.7
17	18.5	30.0	22.7	79.6	21.68	18.7	0.0	6.0	6.0	4.9
18	18.8	30.6	22.7	77.3	21.01	18.2	0.0	14.8	14.8	6.3
19	18.0	28.8	21.8	83.4	21.86	18.5	0.0	0.0	0.0	4.9
20	17.5	30.0	22.2	75.8	20.56	17.9	0.1	2.9	3.0	5.1
21	18.8	29.5	23.0	82.5	23.24	19.9	0.7	10.8	11.5	4.0
22	19.0	29.0	23.1	79.7	22.60	19.4	0.0	44.4	44.4	7.4
23	18.0	28.5	22.0	80.3	21.14	18.4	18.0	25.8	43.8	7.7
24	18.2	29.0	21.6	85.4	21.81	18.8	0.9	17.7	18.6	
25	18.5	28.0	22.0	83.6	22.10	19.1	0.0	0.0	0.0	
26	18.8	27.0	22.2	83.3	22.44	19.3	0.0	9.2	9.2	
27	18.4	29.0	22.7	84.0	23.08	19.8	0.0	19.6	19.6	
28	17.8	28.5	22.4	79.9	21.37	18.5	0.0	0.0	0.0	4.7
29	17.2	29.5	23.4	77.9	22.05	19.0	0.0	11.3	11.3	6.2
30	18.5	27.4	21.8	82.2	21.39	18.6	0.0	0.0	0.0	3.5
31	18.3	28.2	22.0	82.0	21.78	18.9	0.3	9.6	9.9	4.0
PROM	17.9	28.9	22.3	80.0	21.44	18.5	29.5	361.6	391.1	

ESTACION: EL LIMON **MUNICIPIO:** CHAPARRAL **AÑO:** 1.989

ALTITUD: 990 **LATITUD:** 3-43 N. **LONGITUD:** 75-38 W.

M E S — NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	19.4	31.0	23.6	82.0	23.42	20.0	0.0	19.1	19.1	3.1
2	19.7	27.2	21.5	85.3	22.13	19.1	14.8	0.0	14.8	3.4
3	16.6	29.0	23.0	81.1	22.54	19.4	0.0	57.8	57.8	6.7
4	19.6	28.8	23.4	83.7	23.72	20.2	0.0	0.0	0.0	6.5
5	18.6	28.6	22.9	85.7	23.75	20.2	1.6	0.0	1.6	1.6
6	19.8	28.4	22.8	86.7	23.94	20.4	4.0	6.4	10.4	4.2
7	19.4	26.5	21.8	92.1	24.08	20.5	1.9	5.1	7.0	1.8
8	19.6	27.4	22.9	84.6	23.42	20.0	2.1	42.7	44.8	1.8
9	19.0	27.5	22.2	85.5	22.69	19.5	0.0	7.9	7.9	1.8
10	19.3	26.4	22.9	84.0	23.08	19.8	0.0	0.0	0.0	1.0
11	19.0	26.2	21.8	81.5	21.30	18.5	0.0	2.7	2.7	2.6
12	18.6	28.0	21.8	80.5	21.18	18.4	15.7	0.0	15.7	2.7
13	18.4	28.2	22.9	81.0	22.48	19.3	0.0	21.3	21.3	3.7
14	18.6	29.6	23.6	82.3	23.74	20.2	0.0	1.2	1.2	7.4
15	19.0	30.8	23.9	82.4	24.05	20.4	0.0	2.6	2.6	6.2
16	19.8	30.5	24.3	81.4	24.25	20.6	0.0	113.8	113.8	4.4
17	19.0	29.5	23.1	85.4	23.74	20.2	0.8	3.7	4.5	4.5
18	19.8	30.7	24.2	81.4	24.22	20.5	0.1	9.7	9.8	3.9
19	19.7	30.8	23.3	81.5	23.02	19.7	0.0	0.0	0.0	5.5
20	20.4	32.0	24.0	76.4	22.46	19.3	0.0	0.0	0.0	2.1
21	20.2	29.2	23.9	81.9	24.04	20.4	0.0	0.0	0.0	1.9
22	19.8	26.4	21.9	82.5	21.65	18.7	2.8	0.0	2.8	4.6
23	18.6	28.6	23.6	79.5	22.78	19.5	0.0	0.0	0.0	2.9
24	18.4	30.0	24.0	80.2	23.20	19.8	0.0	0.0	0.0	0.6
25	17.8	31.0	24.0	80.2	23.51	20.0	0.0	0.0	0.0	3.3
26	18.6	30.0	23.9	79.5	23.30	19.9	0.0	0.0	0.0	9.6
27	19.0	30.6	23.4	80.3	22.92	19.7	0.0	0.0	0.0	3.9
28	19.8	30.8	24.0	76.9	22.85	19.6	0.0	0.0	0.0	6.0
29	20.0	31.0	24.1	75.2	22.48	19.4	0.0	22.8	22.8	2.1
30	19.5	28.0	22.1	83.5	22.19	19.1	0.0	0.0	0.0	
PROM.	19.2	29.1	23.2	82.2	23.07	19.7	43.8	316.8	360.6	

M E S — DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.4	29.0	23.3	81.8	23.17	19.8	0.0	0.0	0.0	3.8
2	18.9	25.5	21.3	88.2	22.67	19.5	0.5	82.1	82.6	0.2
3	19.3	27.4	21.7	85.4	22.75	19.6	0.0	13.4	13.4	3.5
4	19.5	26.5	22.1	85.8	23.06	19.8	3.7	16.5	20.2	3.5
5	19.0	26.0	22.3	85.0	22.84	19.6	0.0	1.2	1.2	0.7
6	18.5	29.2	23.8	80.5	22.88	19.6	0.0	0.2	0.2	7.4
7	17.6	30.2	24.0	77.2	22.17	19.1	0.0	0.0	0.0	
8	19.0	30.1	23.8	78.0	22.82	19.6	0.0	0.0	0.0	
9	19.4	29.0	23.3	79.6	22.76	19.6	0.0	0.0	0.0	
10	19.6	28.0	23.1	80.0	22.47	19.4	0.0	0.0	0.0	
11	19.3	30.0	23.8	76.3	22.12	19.1	0.0	0.0	0.0	
12	19.2	29.5	23.3	83.4	23.49	20.0	0.0	0.0	0.0	
13	18.4	28.6	23.6	80.3	22.81	19.5	0.0	0.0	0.0	1.3
14	20.4	28.4	23.4	84.1	23.99	20.4	0.0	1.2	1.2	3.0
15	18.4	29.5	23.1	79.6	22.36	19.2	0.0	0.0	0.0	8.4
16	16.0	29.0	22.1	77.7	20.41	17.7	0.0	0.0	0.0	6.1
17	18.4	30.0	23.2	77.0	21.83	18.5	0.0	0.0	0.0	8.1
18	19.2	30.6	22.7	81.9	22.62	19.5	0.0	0.0	0.0	8.6
19	17.8	31.2	23.4	78.3	22.36	19.3	0.0	0.0	0.0	
20	18.4	30.6	23.0	79.1	22.14	19.1	0.0	20.6	20.6	7.6
21	19.0	29.5	23.5	79.8	23.32	20.0	0.0	3.0	3.0	8.2
22	18.8	31.2	23.9	77.5	22.58	19.4	0.0	0.1	0.1	4.9
23	18.5	30.8	23.5	78.2	22.08	19.0	0.0	0.0	0.0	5.2
24	18.6	28.8	23.3	79.4	22.31	19.2	0.0	14.2	14.2	4.0
25	18.4	28.2	22.5	83.1	22.43	19.3	0.0	6.8	6.8	2.0
26	19.6	28.0	22.3	84.3	22.79	19.6	0.0	1.5	1.5	2.0
27	19.4	25.8	21.9	85.3	22.65	19.5	1.9	0.2	2.1	0.8
28	18.6	25.5	21.2	87.1	22.34	19.3	2.9	0.5	3.4	0.1
29	18.0	28.2	21.6	82.0	21.19	18.4	0.0	0.0	0.0	4.4
30	18.3	28.5	22.3	79.8	21.49	18.7	0.0	14.7	14.7	4.9
31	18.6	28.8	22.4	77.2	20.88	18.2	0.0	2.6	2.6	4.1
PROM	18.7	28.8	22.9	81.1	22.44	19.3	9.0	178.8	187.8	

ESTACION: EL LIMON MUNICIPIO: CHAPARRAL AÑO: 1.989

ALTITUD: 990 LATITUD: 3-43 N. LONGITUD: 75-38 W.

MESES	TEMPERATURA oC					Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	18.8	29.3	23.0	16.4	32.4	81.2	23.00	19.7	265.3	20	107.5
FEBRERO	18.8	28.2	22.3	17.5	31.8	82.6	22.18	19.1	207.3	18	105.4
MARZO	18.7	28.0	22.6	17.0	34.0	84.8	22.96	19.7	316.2	21	
ABRIL	19.2	30.1	23.6	17.6	32.2	81.2	23.36	19.9	190.0	18	115.9
MAYO	18.8	29.5	23.4	16.5	32.1	81.5	23.21	19.9	312.7	22	
JUNIO	19.0	29.7	23.3	17.5	32.0	81.2	23.04	19.7	205.0	17	
JULIO	18.4	30.1	23.3	16.0	32.8	75.9	21.35	18.5	129.5	18	
AGOSTO	18.4	31.4	23.7	16.5	33.4	73.9	21.34	18.5	109.1	11	
SEPTIEMBRE											
OCTUBRE	17.9	28.9	22.3	16.5	31.5	80.0	21.44	18.5	391.1	22	
NOVIEMBRE	19.2	29.1	23.2	16.6	32.0	82.2	23.07	19.7	360.6	18	
DICIEMBRE	18.7	28.8	22.9	16.0	31.2	81.1	22.44	19.3	187.8	16	
PROMEDIO											
TOTAL											

ESTACION: SUBESTACION ALBAN MUNICIPIO: EL CAIRO AÑO: 1.969

ALTITUD: 1.500 LATITUD: 4-46 N. LONGITUD: 76-13 W.

M E S – ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.9	21.6	18.0	88.4	18.28	16.1	1.0	6.7	7.7	0.4
2	15.7	21.8	18.0	88.7	17.96	15.8	0.9	0.0	0.9	0.4
3	15.5	24.2	19.0	83.5	18.26	16.1	0.0	1.0	1.0	2.7
4	15.7	23.4	18.9	89.1	19.74	17.3	0.6	14.1	14.7	2.7
5	16.0	23.1	18.5	85.3	18.08	15.9	0.2	0.0	0.2	1.7
6	15.8	24.2	19.0	84.6	18.44	16.2	0.0	0.8	0.8	5.8
7	16.4	24.9	19.6	85.5	19.57	17.2	0.9	1.5	2.4	2.2
8	16.1	23.0	18.9	86.4	18.91	16.6	0.2	0.0	0.2	3.9
9	15.0	23.5	18.6	85.6	18.25	16.1	0.0	10.9	10.9	3.9
10	15.8	22.2	18.3	86.5	18.19	16.0	29.5	0.3	29.8	0.6
11	15.0	23.4	18.8	85.8	18.46	16.2	0.0	0.3	0.3	1.1
12	15.8	23.2	19.0	84.4	18.49	16.3	0.0	0.0	0.0	4.5
13	16.5	22.4	18.3	88.2	18.61	16.3	6.9	0.0	6.9	0.7
14	15.0	24.2	19.1	85.1	18.48	16.2	0.0	3.2	3.2	5.2
15	16.3	23.7	19.5	83.3	18.78	16.5	0.0	0.0	0.0	4.7
16	16.5	24.6	19.9	82.6	19.14	16.8	0.0	2.9	2.9	5.6
17	17.0	26.0	19.8	84.3	19.55	17.2	0.0	0.0	0.0	4.4
18	15.0	25.5	19.7	84.5	19.30	16.9	0.0	0.0	0.0	5.8
19	16.2	24.9	20.1	84.7	19.77	17.3	0.0	0.0	0.0	4.5
20	17.2	24.6	20.1	82.1	19.27	16.9	0.0	0.0	0.0	3.9
21	16.6	24.4	20.0	81.9	19.04	16.7	0.2	0.0	0.2	3.2
22	16.2	25.8	20.0	84.8	20.01	17.5	0.0	0.0	0.0	4.8
23	16.5	25.0	20.3	84.8	20.15	17.6	0.0	0.0	0.0	3.1
24	17.0	25.8	20.2	82.6	19.44	17.1	0.0	0.0	0.0	3.7
25	16.0	24.0	19.5	85.0	19.13	16.8	3.7	0.0	3.7	1.1
26	16.7	24.6	19.9	83.6	19.35	17.0	0.0	8.9	8.9	2.9
27	16.8	22.5	19.0	88.8	19.60	17.2	1.8	3.1	4.9	0.5
28	16.3	22.6	18.5	86.6	18.44	16.2	0.4	0.9	1.3	0.6
29	16.4	24.0	19.9	83.7	19.30	16.9	0.0	0.0	0.0	4.9
30	16.0	24.8	19.9	83.6	19.38	17.0	0.0	0.5	0.5	2.4
31	16.5	23.0	19.0	85.3	18.77	16.5	0.0	0.0	0.0	3.2
PROM.	16.1	23.9	19.3	85.1	18.97	16.7	46.3	55.1	101.4	95.1

M E S – FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.7	21.0	18.0	85.7	17.72	15.6	0.1	0.0	0.1	0.0
2	14.3	23.6	19.0	82.5	18.07	15.9	0.0	0.0	0.0	1.1
3	15.7	23.5	18.1	86.7	18.09	15.9	0.9	0.7	1.6	2.3
4	14.9	23.4	18.1	83.8	17.40	15.3	1.2	0.0	1.2	0.1
5	13.7	23.7	18.8	82.6	17.69	15.5	0.0	0.0	0.0	2.8
6	15.5	24.8	19.8	80.7	18.57	16.3	0.0	0.0	0.0	4.6
7	15.0	25.0	19.9	80.5	18.43	16.2	0.0	0.1	0.1	2.9
8	16.4	23.0	19.3	88.1	19.58	17.2	0.0	30.1	30.1	2.6
9	16.7	23.1	18.8	91.7	19.83	17.4	26.3	14.9	41.2	0.7
10	16.0	23.6	18.9	83.4	18.05	15.9	1.8	0.5	2.3	2.4
11	16.4	22.0	18.3	90.1	19.00	16.7	0.9	7.0	7.9	0.1
12	15.8	24.4	19.4	83.8	18.78	16.5	0.0	0.0	0.0	3.6
13	16.0	23.8	19.4	83.2	18.67	16.4	0.2	0.0	0.2	3.3
14	14.9	24.4	19.6	80.6	18.30	16.1	0.0	0.0	0.0	6.8
15	16.8	24.5	19.6	83.0	18.82	16.5	0.1	0.0	0.1	7.2
16	14.5	23.8	18.6	85.4	18.32	16.1	0.0	0.0	0.0	4.8
17	15.2	23.3	18.2	86.5	17.95	15.8	1.3	0.0	1.3	2.7
18	12.0	25.8	19.2	79.7	17.37	15.3	0.0	0.0	0.0	8.4
19	13.9	24.5	19.7	82.4	18.67	16.4	0.0	0.0	0.0	5.7
20	14.3	24.4	19.1	86.8	19.03	16.7	0.0	0.0	0.0	2.9
21	16.2	23.7	19.5	84.7	19.17	16.8	0.4	0.1	0.5	3.0
22	15.8	24.9	19.3	83.5	18.82	16.5	3.9	0.0	3.9	3.8
23	15.3	23.0	18.1	89.5	18.98	16.7	11.3	0.0	11.3	1.0
24	13.0	25.6	18.8	86.0	18.56	16.2	0.0	2.5	2.5	7.7
25	15.2	25.3	19.0	86.5	19.04	16.7	0.0	2.0	2.0	4.2
26	16.6	23.8	19.4	86.6	19.70	17.2	0.7	0.0	0.7	1.9
27	15.8	26.3	20.5	83.9	19.98	17.5	0.0	0.0	0.0	6.4
28	16.3	25.5	21.1	80.8	20.23	17.7	0.0	0.0	0.0	5.1
PROM	15.3	24.1	19.1	84.6	18.67	16.4	49.1	57.9	107.0	98.1

ESTACION: SUBESTACION ALBAN MUNICIPIO: EL CAIRO AÑO: 1.989

ALTITUD: 1.500 LATITUD: 4-46 N. LONGITUD: 76-13 W.

M E S - MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.5	26.6	21.1	80.7	20.07	17.5	0.0	0.0	0.0	8.0
2	16.7	25.0	20.3	83.1	19.62	17.2	0.0	0.6	0.6	7.4
3	14.5	24.4	20.1	80.6	18.46	16.2	0.0	0.9	0.9	1.9
4	16.9	26.0	21.4	79.4	19.79	17.3	0.0	4.7	4.7	3.4
5	16.3	22.8	19.0	86.5	18.91	16.6	0.0	0.0	0.0	0.2
6	13.8	25.2	19.3	82.0	18.03	15.8	0.3	10.4	10.7	4.5
7	15.3	22.6	18.3	87.1	18.42	16.2	6.1	0.4	6.5	1.7
8	14.8	24.0	18.9	82.7	17.86	15.7	0.0	0.0	0.0	5.3
9	14.9	24.6	19.6	81.3	18.20	16.0	0.0	0.0	0.0	4.7
10	14.6	25.0	19.2	84.9	18.91	16.6	0.0	0.0	0.0	6.3
11	16.5	25.2	18.0	89.2	18.70	16.4	2.0	0.3	2.3	1.5
12	15.4	23.2	18.7	85.8	18.53	16.3	0.3	0.3	0.6	0.1
13	15.7	22.7	18.4	85.0	17.89	15.7	1.9	24.8	26.7	0.9
14	15.6	22.8	18.3	88.6	18.70	16.5	3.7	1.7	5.4	0.3
15	15.4	23.6	18.8	81.4	17.53	15.5	0.0	5.9	5.9	2.7
16	15.5	22.4	18.3	87.9	18.42	16.2	5.7	0.0	5.7	0.4
17	15.0	23.5	18.6	83.1	17.56	15.5	0.0	0.0	0.0	6.3
18	13.6	23.0	18.3	83.2	17.22	15.1	0.0	0.0	0.0	5.4
19	11.7	23.8	18.2	79.2	16.09	14.1	0.0	1.4	1.4	6.8
20	15.4	22.5	17.8	84.8	17.10	15.1	0.4	0.0	0.4	1.6
21	14.2	23.8	18.8	81.4	17.32	15.2	0.0	0.0	0.0	6.8
22	14.0	22.5	18.5	82.0	17.28	15.2	0.0	0.0	0.0	3.0
23	12.8	24.4	18.8	79.8	16.97	14.9	0.0	0.3	0.3	5.6
24	14.0	25.4	19.7	80.0	18.21	16.0	0.0	0.0	0.0	4.1
25	13.8	25.3	19.4	75.0	16.20	14.2	0.0	1.4	1.4	8.3
26	13.9	21.4	17.8	85.0	17.15	15.1	0.5	0.1	0.6	0.5
27	14.0	22.7	19.2	78.3	17.37	15.3	0.0	0.0	0.0	7.3
28	15.3	21.9	18.2	82.3	16.98	14.9	0.3	0.0	0.3	0.2
29	13.8	25.0	18.9	80.8	17.22	15.1	0.0	0.0	0.0	7.3
30	12.4	26.2	18.7	79.9	16.71	14.6	0.0	0.0	0.0	7.1
31	12.9	23.2	18.2	80.7	16.38	14.4	0.0	0.0	0.0	5.0
PROM.	14.7	23.9	18.9	82.6	17.86	15.7	21.2	53.2	74.4	124.6

M E S - ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	12.7	24.1	18.8	81.1	17.12	15.0	0.0	4.2	4.2	7.6
2	15.9	25.4	19.9	81.4	18.68	16.4	1.1	0.0	1.1	4.7
3	15.7	22.6	18.1	89.0	18.33	16.1	0.7	0.0	0.7	2.2
4	13.7	25.0	19.4	80.6	17.65	15.5	0.0	23.0	23.0	5.7
5	16.0	22.5	19.0	83.7	18.20	16.0	11.0	0.0	11.0	1.2
6	14.8	25.6	19.9	84.8	19.49	17.1	0.0	0.0	0.0	5.2
7	15.6	26.0	20.5	81.5	19.40	17.0	0.0	0.0	0.0	6.9
8	15.9	25.8	20.7	81.9	19.70	17.3	0.0	0.0	0.0	6.7
9	16.8	21.1	18.1	92.5	19.39	17.0	1.7	0.0	1.7	0.0
10	14.3	24.8	19.8	82.3	18.64	16.4	2.5	0.0	2.5	5.1
11	14.5	25.2	19.7	85.1	19.07	16.7	0.0	0.0	0.0	6.5
12	16.1	25.5	19.3	84.6	18.86	16.6	0.0	0.0	0.0	1.9
13	15.0	25.4	20.7	82.7	19.83	17.4	0.0	0.0	0.0	5.5
14	16.3	23.7	19.5	88.2	20.07	17.6	0.2	0.5	0.7	0.4
15	16.0	23.5	19.2	93.2	20.38	17.8	10.6	1.0	11.6	2.6
16	15.6	24.6	20.3	82.5	19.46	17.1	0.0	0.0	0.0	6.3
17	16.0	27.1	21.3	80.1	20.04	17.5	0.0	1.1	1.1	8.8
18	16.8	25.0	20.7	80.1	19.40	17.0	0.0	0.0	0.0	1.4
19	16.3	24.5	20.5	83.6	20.01	17.5	0.0	0.0	0.0	6.2
20	17.1	24.7	20.2	83.3	19.62	17.2	0.0	0.0	0.0	3.9
21	15.0	26.7	20.0	82.8	19.08	16.7	0.0	0.0	0.0	7.2
22	16.8	24.8	19.9	86.4	19.84	17.4	0.0	0.0	0.0	7.1
23	15.9	27.4	21.2	85.6	21.48	18.6	4.6	0.0	4.6	7.4
24	17.6	24.6	20.1	88.6	21.05	18.3	10.1	0.2	10.3	1.9
25	15.2	25.4	20.5	81.1	19.29	16.9	0.0	0.0	0.0	6.6
26	17.0	24.7	19.7	86.6	19.99	17.5	2.0	1.5	3.9	2.8
27	16.8	24.6	19.6	84.2	19.98	16.7	0.0	5.2	5.2	6.4
28	15.8	24.5	20.3	81.9	19.22	16.9	0.0	0.1	0.1	7.9
29	16.3	23.5	19.6	86.3	19.52	17.1	0.2	0.8	1.0	3.4
30	16.2	23.8	19.7	86.7	19.81	17.4	0.0	0.0	0.0	4.9
PROM	15.8	24.7	19.9	84.4	19.39	17.0	44.7	38.0	82.7	144.4

ESTACION: SUBESTACION ALBAN MUNICIPIO: EL CAIRO AÑO: 1.989

ALTITUD: 1.500 LATITUD: 4-46 N. LONGITUD: 76-13 W.

M E S - MAYO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.3	23.9	17.8	92.7	19.27	16.9	10.5	3.5	14.0	0.5
2	15.5	24.9	18.0	92.1	19.11	16.8	15.3	0.0	15.3	3.9
3	14.2	24.8	19.6	82.6	18.56	16.3	0.0	0.0	0.0	3.6
4	16.0	24.3	19.8	86.7	19.93	17.4	1.1	0.5	1.6	3.5
5	14.2	24.0	19.3	83.1	18.34	16.1	0.5	7.9	8.4	6.0
6	15.7	25.6	19.7	82.4	18.88	16.6	0.0	0.1	0.1	3.3
7	15.4	24.2	19.8	85.1	19.50	17.1	0.1	0.4	0.5	3.4
8	14.8	24.6	17.3	92.8	18.60	16.4	8.9	9.7	18.6	2.2
9	15.7	26.8	20.5	80.8	19.19	16.8	0.0	0.0	0.0	3.3
10	15.4	19.0	17.2	94.6	18.63	16.4	11.2	0.0	11.2	0.0
11	12.8	25.7	19.8	83.1	18.74	16.3	0.0	0.0	0.0	9.2
12	15.4	24.6	18.8	87.4	19.02	16.7	0.0	10.0	10.0	5.6
13	15.5	24.9	18.9	84.5	18.15	16.0	4.2	0.0	4.2	3.2
14	13.9	24.8	19.5	85.2	19.04	16.7	0.0	0.0	0.0	4.8
15	15.4	26.1	19.6	87.3	19.98	17.4	0.0	0.0	0.0	6.0
16	15.0	25.8	20.2	86.0	20.27	17.7	0.0	0.0	0.0	8.7
17	16.0	26.6	21.0	80.7	19.70	17.2	0.0	0.0	0.0	6.0
18	16.5	26.0	20.3	86.1	20.48	17.9	0.0	0.0	0.0	0.4
19	17.4	25.6	20.3	85.4	20.40	17.8	0.0	0.0	0.0	4.9
20	17.0	29.2	20.8	77.5	18.67	16.4	0.0	0.0	0.0	8.8
21	15.4	28.4	20.5	81.3	19.57	17.2	0.0	0.0	0.0	4.6
22	17.0	27.4	21.3	83.9	21.16	18.4	0.0	0.1	0.1	5.1
23	17.8	26.7	20.9	85.0	21.19	18.4	0.0	0.0	0.0	0.8
24	16.8	24.6	18.4	95.3	20.09	17.6	33.4	0.2	33.6	2.3
25	16.7	26.2	19.5	89.2	20.25	17.7	9.5	2.2	11.7	2.3
26	16.8	26.9	21.4	81.4	20.45	17.8	0.0	0.0	0.0	7.0
27	16.5	26.8	19.8	84.5	19.77	17.3	0.4	4.0	4.4	2.1
28	15.6	25.6	20.3	85.4	19.97	17.4	7.4	0.0	7.4	4.4
29	15.0	24.4	19.9	87.1	19.91	17.4	0.1	0.0	0.1	6.5
30	15.8	27.6	21.5	80.8	20.44	17.8	0.0	0.0	0.0	6.4
31	17.0	27.4	21.6	79.2	20.39	17.8	4.4	0.3	4.7	5.0
PROM.	15.8	25.6	19.8	85.5	19.60	17.2	107.0	38.9	145.9	133.8

M E S - JUNIO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.8	25.0	19.6	87.6	19.73	17.3	0.0	0.2	0.2	5.3
2	16.7	26.0	20.6	83.3	20.24	17.7	0.0	0.0	0.0	3.5
3	16.5	24.2	20.1	84.5	19.71	17.3	0.0	0.0	0.0	1.3
4	15.3	25.0	19.8	84.7	19.51	17.1	10.9	0.0	10.9	4.0
5	16.0	24.2	19.9	85.4	19.81	17.3	0.8	0.0	0.8	3.4
6	16.4	24.0	19.5	86.4	19.80	17.4	4.8	0.5	5.3	4.1
7	16.5	27.2	20.0	82.7	19.12	16.8	0.1	0.4	0.5	5.6
8	16.7	24.5	20.1	84.1	19.73	17.3	0.0	5.0	5.0	5.0
9	17.0	24.7	20.0	86.4	20.21	17.7	0.0	23.2	23.2	6.7
10	17.4	24.8	20.1	86.2	20.35	17.8	11.1	2.3	13.4	
11	16.5	26.0	20.2	86.2	20.53	17.9	0.7	6.9	7.6	5.4
12	16.8	25.6	20.1	85.6	20.21	17.7	0.3	0.3	0.6	3.6
13	15.7	24.5	18.9	87.7	19.28	16.9	11.8	0.1	11.9	2.1
14	14.9	27.8	20.8	81.5	19.69	17.2	0.0	0.6	0.6	5.6
15	13.6	25.0	20.0	84.7	19.60	17.2	0.0	0.0	0.0	7.6
16	16.0	26.0	20.7	81.4	19.71	17.3	0.0	0.0	0.0	7.2
17	17.3	25.2	20.4	84.9	20.56	17.9	0.0	0.0	0.0	4.5
18	17.2	24.8	19.9	82.4	18.96	16.6	15.5	1.9	17.4	3.8
19	16.7	25.3	20.0	83.0	19.39	17.0	0.2	0.0	0.2	2.6
20	15.8	23.9	19.3	85.1	18.91	16.6	0.0	0.0	0.0	4.3
21	15.2	24.4	19.2	86.1	19.39	17.0	0.1	1.7	1.8	6.4
22	16.2	24.3	19.7	86.2	19.81	17.4	0.0	5.3	5.3	1.9
23	15.8	24.8	19.2	85.9	19.05	16.7	0.5	0.0	0.5	
24	16.4	25.0	19.9	81.5	18.76	16.5	0.0	0.0	0.0	3.7
25	14.1	23.0	18.9	86.3	18.72	16.4	2.1	0.0	2.1	2.5
26	14.8	23.6	18.4	89.2	18.84	16.5	0.0	6.3	6.3	5.3
27	16.0	23.8	18.5	89.9	19.19	16.8	0.3	0.0	0.3	2.5
28	15.8	25.7	20.1	81.7	18.99	16.7	0.0	0.0	0.0	6.1
29	16.8	24.4	19.9	84.9	19.65	17.2	0.0	3.9	3.9	6.4
30	16.1	24.2	19.8	81.7	18.79	16.5	0.0	0.0	0.0	2.8
PROM	16.1	24.9	19.8	84.9	19.54	17.1	59.2	58.6	117.8	

ESTACION: SUBESTACION ALBAN MUNICIPIO: EL CAIRO AÑO: 1.969

ALTITUD: 1.500 LATITUD: 4-46 N. LONGITUD: 76-13 W.

M E S — JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.4	24.1	19.7	85.5	19.66	17.2	0.0	0.0	0.0	4.8
2	14.9	26.3	20.4	80.6	18.92	16.6	0.0	0.0	0.0	5.6
3	13.4	27.3	19.6	79.1	17.35	15.2	0.0	0.0	0.0	9.1
4	12.9	24.4	18.3	86.1	18.00	15.8	0.0	3.3	3.3	7.1
5	14.3	23.6	18.4	86.9	18.26	16.0	9.6	0.1	9.7	4.3
6	16.5	26.0	20.1	84.3	19.98	17.5	0.0	0.0	0.0	7.4
7	16.9	25.0	19.2	84.2	18.87	16.6	30.0	3.0	33.0	3.6
8	15.4	23.2	18.9	83.7	17.98	15.8	2.4	2.9	5.3	4.5
9	15.5	24.4	19.1	81.2	17.82	15.7	0.0	0.0	0.0	5.1
10	13.3	27.3	20.3	72.8	16.28	14.2	0.0	0.0	0.0	7.3
11	12.7	25.8	19.1	83.0	17.84	15.6	0.0	0.0	0.0	7.6
12	13.9	27.8	20.6	75.8	17.39	15.2	0.0	0.0	0.0	9.6
13	13.8	28.4	21.1	76.7	18.10	15.8	0.0	0.0	0.0	9.7
14	14.8	28.5	21.4	73.8	17.73	15.5	0.0	0.0	0.0	9.3
15	14.4	30.0	22.1	73.2	18.16	15.8	0.0	0.0	0.0	9.8
16	14.8	27.6	21.2	76.1	18.32	16.0	0.0	0.0	0.0	0.0
17	14.6	25.8	20.1	83.5	19.14	16.7	0.0	0.0	0.0	7.3
18	13.8	25.3	19.7	85.1	19.14	16.7	0.0	0.0	0.0	6.1
19	14.9	24.5	20.0	85.3	19.83	17.3	0.1	3.3	3.4	4.8
20	16.8	23.0	18.4	91.2	19.48	17.1	12.9	0.2	13.1	0.9
21	16.4	24.6	19.4	85.7	19.21	16.9	0.7	0.8	1.5	2.9
22	16.5	22.8	18.8	88.8	19.35	17.0	3.8	0.9	4.7	1.5
23	16.3	24.2	19.6	85.3	19.44	17.1	0.8	0.0	0.8	4.0
24	15.7	26.6	19.5	81.3	18.54	16.3	0.0	1.6	1.6	4.2
25	15.8	24.5	18.9	88.9	19.51	17.1	0.0	15.5	15.5	3.2
26	14.7	24.4	19.1	86.1	19.08	16.8	0.4	0.2	0.6	2.8
27	16.3	24.3	19.3	83.8	18.70	16.5	0.0	1.0	1.0	6.9
28	14.8	25.5	20.0	82.4	19.18	16.8	0.0	0.0	0.0	4.9
29	15.4	26.3	20.6	81.8	19.61	17.2	0.0	0.0	0.0	6.7
30	15.6	25.3	20.1	81.7	18.91	16.6	0.0	0.2	0.2	9.5
31	16.8	28.0	21.1	82.8	20.56	17.9	0.0	0.0	0.0	6.9
PROM.	15.1	25.6	19.8	82.5	18.72	16.4	60.7	33.0	93.7	177.4

M E S — AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.7	26.1	20.2	84.4	20.06	17.5	0.0	0.0	0.0	4.2
2	14.8	26.4	20.6	83.5	19.91	17.4	0.0	0.0	0.0	8.1
3	17.3	24.4	20.0	81.6	19.08	16.8	0.2	1.8	2.0	7.5
4	14.7	28.4	20.5	77.3	17.88	15.7	0.0	0.0	0.0	9.0
5	16.4	26.5	20.7	80.2	19.32	16.9	0.0	21.4	21.4	6.9
6	16.5	26.8	20.4	79.5	18.70	16.4	0.6	0.0	0.6	5.8
7	14.2	26.4	19.4	83.9	18.68	16.4	0.0	0.0	0.0	9.2
8	15.7	27.8	21.4	78.3	19.51	17.1	0.0	0.0	0.0	8.9
9	16.8	24.8	20.0	82.8	19.41	17.0	0.0	9.4	9.4	8.1
10	15.8	27.2	20.3	80.6	18.81	16.5	0.0	0.0	0.0	5.4
11	15.9	24.8	18.8	90.4	19.66	17.2	11.4	0.0	11.4	4.8
12	14.4	25.8	20.0	83.9	19.35	16.9	0.0	0.0	0.0	5.8
13	17.4	24.8	19.1	86.2	19.47	17.1	12.7	0.1	12.8	0.3
14	15.4	25.6	20.2	82.5	19.15	16.8	0.0	0.0	0.0	2.4
15	16.4	25.2	20.4	86.8	20.86	18.1	0.2	0.5	0.7	5.4
16	17.4	24.8	20.3	84.7	20.17	17.7	0.0	0.0	0.0	1.5
17	15.8	26.5	20.6	83.2	19.99	17.5	0.0	0.0	0.0	7.9
18	16.5	27.6	21.0	80.4	19.66	17.2	0.0	0.0	0.0	8.3
19	17.2	24.6	20.5	85.0	20.40	17.8	0.1	8.3	8.4	3.7
20	15.4	24.4	19.9	85.8	19.56	17.1	0.1	0.0	0.1	5.2
21	15.8	24.2	20.0	84.1	19.61	17.2	0.3	0.3	0.6	3.7
22	16.6	25.9	19.1	88.6	19.78	17.3	0.0	0.0	0.0	6.7
23	16.6	22.8	19.4	86.7	19.68	17.2	0.0	0.5	0.5	0.3
24	15.4	25.8	20.0	82.5	19.16	16.8	0.0	2.4	2.4	8.5
25	15.0	25.4	19.6	83.2	18.76	16.5	0.0	3.4	3.4	6.8
26	16.4	25.6	19.8	82.8	19.09	16.8	9.3	0.0	9.3	5.3
27	15.8	27.4	20.6	83.4	20.19	17.7	0.0	0.0	0.0	4.5
28	16.2	23.8	19.3	88.4	19.75	17.3	0.9	0.2	1.1	3.8
29	16.6	23.6	18.9	86.1	18.95	16.6	9.4	11.1	20.5	0.9
30	15.8	24.2	19.0	87.8	19.15	16.8	3.9	1.2	5.1	4.0
31	16.5	23.4	19.1	87.6	19.48	17.1	15.4	0.0	15.4	2.5
PROM	16.0	25.5	20.0	84.0	19.46	17.0	64.5	60.6	125.1	165.4

ESTACION: SUBESTACION ALBAN MUNICIPIO: EL CAIRO AÑO: 1.989

ALTITUD: 1.500 LATITUD: 4-46 N. LONGITUD: 76-13 W.

M E S - SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.0	26.2	19.9	82.6	18.92	16.6	0.0	0.0	0.0	5.1
2	15.8	25.5	20.4	82.9	19.56	17.1	0.0	0.0	0.0	6.0
3	15.6	27.2	20.7	79.2	18.95	16.7	0.0	1.3	1.3	5.7
4	16.4	25.8	19.4	82.7	18.40	16.2	0.2	0.3	0.5	3.3
5	16.6	20.5	18.3	88.8	18.78	16.4	13.2	10.2	23.4	0.3
6	15.8	23.8	18.5	91.2	19.45	17.1	5.4	0.0	5.4	3.2
7	16.4	22.8	19.6	89.0	20.22	17.7	2.8	0.0	2.8	5.1
8	16.8	24.5	18.9	88.6	19.73	17.3	22.9	0.2	23.1	4.6
9	16.0	23.5	18.8	87.6	19.10	16.8	0.0	0.6	0.6	3.3
10	15.5	26.4	20.3	82.6	19.41	17.0	0.0	0.0	0.0	3.3
11	16.6	24.4	19.2	88.6	19.89	17.4	4.2	0.0	4.2	3.9
12	15.8	26.8	19.1	88.7	19.76	17.3	0.0	0.8	0.8	6.5
13	16.0	27.0	20.6	82.3	19.75	17.3	0.4	0.0	0.4	5.5
14	15.9	24.5	19.1	84.7	18.79	16.5	1.5	0.0	1.5	4.0
15	14.4	26.6	19.8	81.1	18.36	16.1	0.0	0.0	0.0	7.7
16	16.2	26.9	20.7	83.0	20.02	17.5	0.0	0.0	0.0	8.6
17	16.6	24.0	19.6	83.9	19.41	17.0	0.0	1.2	1.2	5.5
18	16.5	22.8	19.4	84.0	19.06	16.7	0.8	0.0	0.8	2.2
19	14.8	24.0	18.6	91.3	19.62	17.1	0.8	0.0	0.8	5.3
20	16.6	22.0	18.6	86.2	18.59	16.3	4.5	0.4	4.9	0.7
21	14.8	24.9	18.9	86.5	19.15	16.8	24.4	7.0	31.4	4.0
22	15.5	23.4	17.8	88.3	18.18	16.0	1.8	1.9	3.7	0.1
23	14.9	26.8	19.8	81.7	18.66	16.4	0.0	0.0	0.0	8.2
24	16.8	24.5	20.1	85.3	19.94	17.5	0.0	2.2	2.2	5.0
25	16.4	25.7	19.2	87.7	19.51	17.1	1.9	3.3	5.2	5.3
26	16.5	23.6	18.9	88.0	19.35	17.0	0.2	0.0	0.2	2.3
27	15.4	23.7	19.7	82.7	18.58	16.4	0.0	0.2	0.2	6.8
28	16.5	21.4	17.9	92.0	18.74	16.5	5.5	0.1	5.6	0.9
29	14.8	24.6	19.9	85.3	19.82	17.3	0.7	0.0	0.7	3.9
30	16.5	27.6	21.1	80.7	19.85	17.4	0.0	0.0	0.0	4.8
PROM.	15.9	24.7	19.4	85.6	19.25	16.9	91.2	29.7	120.9	131.1

M E S - OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.9	25.6	20.2	83.7	19.72	17.3	1.4	3.2	4.6	5.1
2	16.5	23.4	19.1	86.7	19.19	16.8	0.0	0.0	0.0	1.3
3	16.0	24.4	19.2	86.9	19.33	17.0	0.2	0.6	0.8	6.2
4	15.7	25.5	20.1	83.0	19.51	17.1	2.6	1.1	3.7	2.9
5	15.0	26.0	19.7	83.8	19.18	16.8	2.2	0.0	2.2	3.3
6	14.4	26.8	19.4	85.2	19.05	16.7	0.0	1.1	1.1	6.7
7	15.7	25.8	19.7	84.8	19.48	17.1	0.0	0.0	0.0	5.7
8	16.5	23.6	19.2	90.0	20.01	17.5	8.6	0.0	8.6	2.7
9	16.4	24.2	19.1	86.0	19.00	16.7	0.4	0.0	0.4	3.4
10	14.6	23.8	19.0	87.8	19.24	16.9	1.8	4.4	6.2	4.9
11	15.5	22.5	18.7	88.2	19.07	16.8	10.8	0.0	10.8	1.4
12	15.8	22.6	18.9	86.1	18.93	16.6	3.3	0.3	3.6	0.5
13	15.6	23.1	18.8	89.9	19.51	17.1	0.4	6.6	7.0	2.2
14	15.8	23.8	19.5	86.3	19.44	17.0	1.1	0.0	1.1	4.7
15	15.7	22.6	18.8	89.9	19.63	17.2	1.5	0.0	1.5	0.7
16	13.7	24.4	19.3	84.1	18.59	16.3	0.0	0.0	0.0	6.8
17	16.8	22.8	18.6	92.6	19.99	17.5	5.3	0.0	5.3	1.2
18	14.5	24.5	19.4	86.3	19.51	17.1	0.0	1.6	1.6	3.8
19	14.6	25.8	20.1	85.2	20.03	17.5	0.0	0.0	0.0	5.9
20	15.6	26.8	20.6	87.5	21.13	18.3	0.0	0.0	0.0	7.5
21	15.9	24.8	20.3	84.0	19.99	17.5	0.0	6.5	6.5	5.0
22	14.8	23.4	19.3	85.3	18.92	16.6	0.0	4.2	4.2	5.0
23	16.8	24.2	19.4	86.8	19.63	17.2	9.4	0.1	9.5	2.0
24	15.9	23.8	19.4	88.0	19.64	17.2	0.1	4.2	4.3	2.6
25	16.7	24.0	19.6	87.1	19.88	17.4	2.1	0.0	2.1	2.0
26	16.2	24.2	19.1	90.4	19.75	17.3	2.0	0.1	2.1	2.7
27	16.5	23.2	19.3	90.9	20.55	17.9	3.6	2.1	5.7	0.3
28	15.0	24.1	19.3	88.7	19.77	17.3	0.1	2.9	3.0	1.1
29	16.5	24.9	20.1	88.1	20.87	18.2	0.0	0.3	0.3	3.9
30	16.8	25.9	19.3	87.1	19.75	17.3	6.9	3.6	10.5	4.7
31	16.5	26.8	19.6	87.7	20.00	17.5	4.7	24.6	29.3	5.3
PROM	15.7	24.4	19.4	87.0	19.62	17.2	68.5	67.5	136.0	111.5

ESTACION: SUBESTACION ALBAN MUNICIPIO: EL CAIRO AÑO: 1.989

ALTITUD: 1.500 LATITUD: 4-46 N. LONGITUD: 76-13 W.

M E S – NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.8	23.9	19.1	82.1	18.35	16.1	0.0	0.0	0.0	1.2
2	14.8	23.4	18.5	87.1	18.36	16.2	0.0	2.4	2.4	4.8
3	16.7	24.6	19.9	85.3	19.95	17.5	0.0	0.3	0.3	3.0
4	16.4	24.2	18.8	86.5	18.69	16.4	5.2	0.3	5.5	1.1
5	16.5	25.8	18.3	90.7	19.42	17.0	0.1	0.0	0.1	4.8
6	13.8	24.0	19.1	87.4	19.33	16.5	7.6	23.1	30.7	4.2
7	15.8	22.4	18.2	89.6	18.88	16.6	6.0	13.5	19.5	0.5
8	14.8	22.8	17.9	71.8	14.29	12.2	0.0	0.1	0.1	2.8
9	14.7	24.8	18.5	82.4	17.45	15.4	0.0	0.0	0.0	7.1
10	13.8	24.2	18.4	85.4	18.01	15.8	0.0	5.3	5.3	5.2
11	13.0	21.4	16.8	79.5	14.89	12.8	0.0	0.0	0.0	0.7
12	14.3	23.6	18.4	78.9	16.53	14.5	0.0	0.0	0.0	2.6
13	15.6	23.4	18.8	88.1	19.05	16.7	0.0	0.0	0.0	2.4
14	16.4	24.4	19.6	88.0	20.18	17.6	0.1	0.0	0.1	1.9
15	16.5	25.0	20.4	83.5	19.87	17.4	0.0	0.0	0.0	4.6
16	16.9	24.8	20.3	89.0	21.32	18.5	1.0	3.7	4.7	5.1
17	16.8	25.8	20.0	86.3	20.18	17.7	0.4	0.0	0.4	4.2
18	15.8	25.9	19.7	87.5	20.14	17.6	0.0	0.0	0.0	4.8
19	16.8	26.4	21.2	83.3	20.87	18.2	0.0	0.0	0.0	6.5
20	17.5	25.4	20.9	86.8	21.51	18.7	1.6	1.8	3.4	2.8
21	16.4	20.4	18.8	91.5	19.87	17.4	0.0	0.0	0.0	0.0
22	14.4	25.2	19.3	87.9	19.41	17.0	0.0	0.0	0.0	5.4
23	17.5	25.7	20.9	86.1	21.20	18.4	1.1	0.0	1.1	2.8
24	17.6	23.4	19.2	89.0	20.00	17.5	0.2	0.0	0.2	0.5
25	15.4	25.4	20.2	85.2	20.04	17.5	0.0	0.0	0.0	3.9
26	17.4	26.6	20.9	81.8	19.88	17.4	0.0	0.0	0.0	6.3
27	16.7	25.8	20.5	86.2	20.64	18.0	0.0	0.0	0.0	5.5
28	16.9	23.5	20.3	88.4	21.22	18.4	0.4	2.7	3.1	0.6
29	17.8	22.8	18.9	88.6	19.63	17.2	4.1	9.3	13.4	0.5
30	15.9	26.5	20.1	86.1	20.28	17.7	0.0	7.5	7.5	3.2
PROM.	16.0	24.4	19.4	85.7	19.32	16.9	27.8	70.0	97.8	99.0

M E S – DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.8	26.2	19.4	89.3	20.23	17.7	0.2	12.4	12.6	
2	16.4	21.6	18.9	88.5	19.02	16.7	0.0	0.9	0.9	0.0
3	14.8	25.2	18.7	87.1	18.73	16.4	0.0	10.6	10.6	6.7
4	16.3	21.5	18.9	88.6	19.27	16.9	5.2	0.0	5.2	0.3
5	14.8	23.6	18.8	87.2	18.94	16.6	0.1	0.0	0.1	1.4
6	15.4	24.9	19.3	86.3	19.27	16.9	0.0	0.0	0.0	6.1
7	16.5	24.8	20.0	83.3	19.23	16.9	0.0	0.0	0.0	4.3
8	17.4	25.0	20.9	82.8	20.22	17.7	0.0	0.0	0.0	5.7
9	17.5	25.2	20.0	85.4	20.04	17.5	0.0	14.6	14.6	3.5
10	16.2	23.6	19.6	83.1	18.83	16.6	0.0	0.0	0.0	0.8
11	16.5	24.2	19.5	85.6	19.56	17.2	0.5	0.1	0.6	1.2
12	16.8	24.8	20.0	86.6	20.53	17.9	0.1	0.0	0.1	3.8
13	16.5	25.0	19.8	86.1	19.90	17.4	3.1	0.3	3.4	2.7
14	17.5	24.6	20.2	87.6	20.69	18.0	0.0	23.0	23.0	1.3
15	17.4	25.3	20.1	82.8	19.49	17.1	0.0	0.0	0.0	2.1
16	15.5	23.8	19.3	82.3	18.32	16.1	0.0	0.0	0.0	1.6
17	15.8	24.8	19.8	83.8	19.26	16.9	0.0	0.0	0.0	4.7
18	16.3	26.0	20.5	83.4	19.88	17.4	0.0	0.0	0.0	7.1
19	15.8	25.0	20.5	82.5	19.68	17.3	0.0	0.0	0.0	6.0
20	15.9	25.2	20.4	82.5	19.47	17.1	0.0	0.0	0.0	6.0
21	16.4	25.4	20.1	83.8	19.78	17.3	0.0	0.0	0.0	3.9
22	15.9	25.5	20.0	84.5	19.56	17.2	0.0	0.0	0.0	5.3
23	15.7	25.4	19.4	88.8	19.95	17.5	0.0	0.0	0.0	2.1
24	16.8	23.9	20.1	82.9	19.21	16.8	0.0	2.6	2.6	1.7
25	16.9	24.6	18.9	88.4	19.42	17.0	0.7	6.1	6.8	1.6
26	16.7	24.8	19.8	85.4	19.68	17.3	2.3	2.9	5.2	3.4
27	16.8	21.4	18.7	94.8	20.59	17.9	4.1	4.1	8.2	0.0
28	16.4	21.6	18.3	91.5	19.24	16.9	5.4	0.6	6.0	0.2
29	15.8	24.2	19.5	81.6	18.35	16.2	0.0	0.2	0.2	4.1
30	15.6	23.8	19.6	82.7	18.64	16.4	0.0	1.2	1.2	3.9
31	16.3	23.2	18.8	80.6	17.49	15.4	0.0	0.0	0.0	4.2
PROM	16.3	24.3	19.6	85.5	19.43	17.0	21.7	79.6	101.3	

ESTACION: SUBESTACION ALBAN MUNICIPIO: EL CAIRO AÑO: 1.989

ALTITUD: 1.500 LATITUD: 4-46 N. LONGITUD: 76-13 W.

MESES	TEMPERATURA oC					Humedad relativa o/o	Tensión vapor mb.	Punto rocío oC	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Dias lluvias	
ENERO	16.1	23.9	19.3	15.0	26.0	85.1	18.97	16.7	101.4	20	95.1
FEBRERO	15.3	24.1	19.1	12.0	26.3	84.6	18.67	16.4	107.0	17	98.1
MARZO	14.7	23.9	18.9	11.7	26.6	82.6	17.86	15.7	74.4	17	124.6
ABRIL	15.8	24.7	19.9	12.7	27.4	84.4	19.39	17.0	82.7	16	144.4
MAYO	15.8	25.6	19.8	12.8	29.2	85.5	19.60	17.2	145.9	17	133.8
JUNIO	16.1	24.9	19.8	13.6	27.8	84.5	19.54	17.1	117.8	21	
JULIO	15.1	25.6	19.8	12.7	30.0	82.5	18.72	16.4	93.7	14	177.4
AGOSTO	16.0	25.5	20.0	14.2	26.4	84.0	19.46	17.0	125.1	18	165.4
SEPTIEMBRE	15.9	24.7	19.4	14.0	27.6	85.6	19.25	16.9	120.9	23	31.1
OCTUBRE	15.7	24.4	19.4	13.7	26.8	87.0	19.62	17.2	136.0	26	111.5
NOVIEMBRE	16.0	24.4	19.4	13.0	26.6	85.7	19.32	16.9	97.8	17	99.0
DICIEMBRE	16.3	24.3	19.6	14.8	26.2	85.5	19.43	17.0	101.3	17	
PROMEDIO	15.7	24.7	19.5	13.4	27.4	84.8	19.15	16.8			
TOTAL									1304.0	223	

ESTACION: ARTURO GOMEZ MUNICIPIO: ALCALA AÑO: 1.989

ALTITUD: 1.320 LATITUD: 4-40 N. LONGITUD: 75-48 W.

M E S – ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.6	25.5	19.4	84.4	19.23	16.9	3.8	1.2	5.0	2.8
2	16.5	24.0	19.5	88.5	19.93	17.4	0.0	0.0	0.0	0.8
3	16.4	25.4	19.5	85.1	19.59	17.2	6.2	18.3	24.5	3.0
4	16.8	26.4	20.3	84.3	20.12	17.6	0.0	11.5	11.5	3.3
5	17.0	23.5	19.2	84.6	18.79	16.5	0.0	0.0	0.0	2.7
6	15.7	26.8	20.4	81.8	19.19	16.8	0.0	0.0	0.0	3.7
7	17.4	27.3	21.1	81.5	20.26	17.7	0.0	0.9	0.9	4.9
8	16.4	26.6	20.9	80.1	19.40	17.0	0.0	0.0	0.0	6.5
9	17.5	27.8	21.0	80.0	19.71	17.3	0.0	2.3	2.3	7.1
10	16.5	24.4	19.0	84.6	18.93	16.6	2.7	0.0	2.7	2.2
11	14.8	24.0	20.2	82.5	19.27	16.9	0.0	0.0	0.0	1.9
12	16.6	27.2	21.1	80.5	19.78	17.3	0.0	0.0	0.0	5.9
13	17.8	24.8	19.4	87.0	20.12	17.6	10.1	2.0	12.1	2.2
14	16.8	26.4	20.8	82.1	20.10	17.6	0.0	9.9	9.9	5.4
15	16.4	27.5	21.0	80.1	19.86	17.4	0.0	0.0	0.0	5.2
16	15.4	27.6	21.0	81.5	20.16	17.6	0.0	0.0	0.0	7.5
17	16.4	27.2	20.9	81.3	19.79	17.3	1.2	0.0	1.2	5.6
18	16.8	28.6	21.4	81.5	20.56	17.9	1.5	0.0	1.5	6.4
19	16.0	28.0	21.5	79.2	20.13	17.6	0.0	0.0	0.0	6.7
20	15.6	28.6	21.4	76.8	19.54	17.1	0.2	0.0	0.2	6.7
21	16.0	26.2	20.4	80.3	19.30	16.9	1.5	0.0	1.5	2.1
22	15.4	27.5	21.5	80.1	20.05	17.5	0.0	0.0	0.0	5.4
23	16.5	27.6	21.1	80.1	19.99	17.5	3.4	0.0	3.4	4.9
24	16.0	27.2	21.5	82.0	20.65	17.9	0.0	0.0	0.0	5.6
25	16.4	26.2	20.8	80.9	19.74	17.3	0.5	0.0	0.5	0.7
26	17.4	28.5	21.5	80.3	20.20	17.6	3.5	6.8	10.3	4.9
27	17.5	24.6	20.0	87.0	20.38	17.8	0.0	11.5	11.5	1.5
28	17.2	24.8	20.2	85.3	20.16	17.6	1.9	0.1	2.0	1.5
29	17.0	28.0	21.3	78.6	19.48	17.1	1.4	0.6	2.0	7.7
30	18.0	26.5	21.4	82.4	20.78	18.1	0.0	0.0	0.0	3.3
31	18.1	26.0	20.4	82.4	19.81	17.3	4.5	0.1	4.6	2.3
PROM.	16.6	26.5	20.6	82.2	19.84	17.4	42.4	65.2	107.6	130.4

M E S – FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.8	24.5	19.4	85.9	19.58	17.2	1.0	0.0	1.0	0.7
2	15.8	27.1	21.0	80.2	19.72	17.2	0.0	0.0	0.0	4.2
3	17.6	26.4	21.2	75.4	18.70	16.4	0.0	6.0	6.0	2.3
4	16.0	25.5	20.1	82.5	18.95	16.6	0.0	0.0	0.0	1.8
5	16.9	26.2	21.0	81.7	19.95	17.4	0.0	0.0	0.0	2.7
6	14.9	26.4	20.1	82.1	19.13	16.8	4.8	0.0	4.8	6.6
7	16.2	27.5	20.5	79.1	18.93	16.7	0.0	0.0	0.0	4.4
8	16.4	27.5	20.8	78.8	19.22	16.9	1.3	0.0	1.3	5.1
9	17.3	23.2	20.5	83.2	19.84	17.4	2.7	6.3	9.0	1.6
10	17.5	27.5	21.2	81.2	20.05	17.5	3.3	9.3	12.6	4.8
11	17.4	24.4	19.8	86.2	20.06	17.6	4.8	1.0	5.8	1.1
12	16.0	28.4	21.1	79.6	19.50	17.1	2.9	0.0	2.9	6.5
13	15.4	26.6	20.3	83.7	19.67	17.2	0.0	0.0	0.0	3.6
14	15.0	27.6	21.6	75.8	19.02	16.7	0.0	14.6	14.6	6.7
15	16.8	28.6	21.4	78.2	19.65	17.2	1.3	4.3	5.6	7.8
16	17.5	28.2	21.5	77.2	19.41	16.9	0.0	0.4	0.4	8.6
17	16.8	24.5	19.2	85.3	19.03	16.7	3.1	0.0	3.1	2.4
18	14.5	28.5	20.5	77.4	18.21	16.0	0.0	0.0	0.0	9.0
19	15.2	28.4	20.9	82.6	19.78	17.2	0.0	0.7	0.7	6.0
20	16.0	25.7	20.6	81.6	19.37	17.0	0.0	0.0	0.0	2.1
21	16.8	25.8	20.4	83.7	20.06	17.5	2.1	0.0	2.1	2.2
22	16.6	26.6	19.9	87.4	20.73	18.0	0.0	0.0	0.0	4.5
23	17.5	24.0	19.0	88.5	19.89	17.4	1.5	0.0	1.5	0.4
24	13.8	28.3	21.4	74.8	18.06	15.8	0.0	0.0	0.0	8.7
25	15.8	27.6	19.9	80.8	18.58	16.3	24.0	5.0	29.0	6.2
26	17.0	26.5	20.5	83.2	20.08	17.6	3.4	0.0	3.4	2.7
27	16.3	28.8	22.0	80.0	20.71	18.0	4.1	0.0	4.1	6.9
28	16.8	27.8	22.3	81.2	21.42	18.6	0.0	0.0	0.0	4.2
PROM	16.3	26.7	20.6	81.3	19.55	17.1	60.3	47.6	107.9	123.8

ESTACION: ARTURO GOMEZ MUNICIPIO: ALCALA AÑO: 1.989

ALTITUD: 1.320 LATITUD: 4-40 N. LONGITUD: 75-48 W.

M E S - MARZO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.8	30.0	22.9	76.5	20.52	17.8	0.0	0.0	0.0	7.9
2	16.5	28.8	23.1	76.9	21.15	18.4	0.0	0.0	0.0	6.2
3	16.8	27.8	22.7	81.1	21.95	19.0	0.0	36.0	36.0	4.1
4	17.0	26.7	21.5	80.3	20.13	17.6	0.0	26.3	26.3	4.6
5	16.5	21.0	18.9	91.9	19.89	17.4	1.4	0.0	1.4	0.0
6	16.8	28.0	21.4	79.7	19.85	17.3	0.0	22.8	22.8	6.2
7	15.8	26.2	20.3	82.8	19.60	17.2	0.4	0.5	0.9	4.9
8	17.5	28.5	20.6	81.6	19.81	17.4	0.3	0.0	0.3	6.0
9	16.8	29.3	22.1	81.8	21.42	18.6	0.0	0.0	0.0	6.8
10	17.4	30.0	22.9	73.1	19.81	17.3	0.0	3.9	3.9	7.2
11	18.2	28.2	20.0	80.6	19.59	17.1	41.7	0.2	41.9	2.5
12	17.0	26.4	21.0	88.5	21.92	18.9	9.8	0.0	9.8	3.7
13	18.0	24.6	20.8	86.8	21.27	18.5	0.2	34.2	34.4	0.2
14	17.4	23.5	18.9	90.3	20.04	17.5	35.4	0.5	35.9	0.0
15	16.4	25.6	20.5	86.4	20.83	18.1	1.0	25.4	26.4	2.9
16	15.8	22.8	19.1	88.2	19.37	17.0	0.0	0.0	0.0	0.0
17	16.7	27.8	21.8	72.9	18.67	16.4	0.0	0.0	0.0	7.8
18	16.4	28.4	21.5	77.7	19.35	17.0	0.0	0.0	0.0	6.0
19	15.4	28.6	22.3	72.7	18.68	16.4	0.0	0.0	0.0	7.7
20	16.7	26.3	21.3	85.4	21.29	18.5	0.0	0.0	0.0	2.1
21	17.8	28.8	22.4	75.7	19.78	17.3	0.0	0.0	0.0	8.2
22	17.0	27.4	22.2	74.7	19.68	17.3	0.0	2.9	2.9	7.1
23	16.6	28.8	22.0	75.6	19.23	16.9	0.0	0.4	0.4	7.7
24	16.4	26.8	20.1	81.7	19.32	17.0	0.0	0.0	0.0	4.2
25	16.5	29.2	22.6	76.3	20.17	17.6	0.0	1.7	1.7	8.4
26	17.0	23.8	20.4	85.7	20.27	17.6	0.0	1.1	1.1	0.4
27	16.7	27.1	22.0	78.7	20.25	17.6	0.0	26.2	26.2	5.4
28	16.5	23.5	19.2	87.5	19.39	17.0	15.2	0.0	15.2	0.0
29	15.6	28.3	20.8	70.7	16.26	14.1	0.0	0.0	0.0	7.1
30	14.0	28.8	21.2	72.6	17.18	15.0	0.0	0.0	0.0	8.6
31	14.8	27.8	20.2	78.4	18.19	16.0	0.0	0.0	0.0	7.2
PROM.	16.6	27.1	21.2	80.4	19.83	17.3	105.4	182.1	287.5	151.1

M E S - ABRIL

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.7	27.3	20.7	79.8	19.25	16.9	0.9	11.1	12.0	5.3
2	17.6	25.8	21.8	82.4	20.99	18.2	2.7	1.0	3.7	3.6
3	17.0	22.7	19.8	95.5	21.98	19.0	2.1	0.0	2.1	0.3
4	15.5	27.5	21.7	82.2	20.73	18.0	0.0	2.3	2.3	5.9
5	17.4	26.1	20.0	90.9	21.16	18.4	0.2	0.0	0.2	2.2
6	16.0	27.4	20.8	82.3	19.94	17.5	2.4	0.0	2.4	3.3
7	16.8	28.9	22.7	79.7	21.25	18.4	0.0	0.0	0.0	6.0
8	17.8	28.0	22.1	82.4	21.50	18.6	0.0	0.0	0.0	0.2
9	17.4	25.4	20.6	89.0	21.69	18.8	0.2	0.0	0.2	4.4
10	16.5	28.2	21.4	80.8	20.12	17.6	0.0	0.0	0.0	4.2
11	16.0	28.0	22.5	80.0	21.26	18.4	0.0	0.0	0.0	4.4
12	17.4	26.0	21.6	85.9	22.08	19.1	0.0	5.7	5.7	
13	18.2	28.5	22.9	81.2	22.40	19.3	0.0	0.0	0.0	4.0
14	18.5	25.0	20.4	94.4	22.87	19.6	0.0	0.0	0.0	
15	17.0	27.2	21.4	81.4	20.70	18.1	17.9	0.0	17.9	2.3
16	15.9	28.1	21.8	80.6	20.68	18.0	0.0	0.0	0.0	3.7
17	18.2	30.0	22.8	78.4	21.42	18.6	0.0	0.0	0.0	7.3
18	16.8	28.2	22.9	75.4	21.16	18.4	0.0	0.0	0.0	2.4
19	18.0	28.4	22.8	79.7	21.90	19.0	0.0	0.0	0.0	2.7
20	17.4	28.2	22.9	81.7	22.48	19.4	0.0	0.0	0.0	3.4
21	17.2	30.2	22.4	80.8	21.38	18.5	0.4	0.0	0.4	6.7
22	17.8	29.1	23.9	76.9	22.45	19.3	2.2	0.0	2.2	5.4
23	18.2	28.6	23.6	80.5	23.02	19.7	0.0	10.9	10.9	5.1
24	19.4	24.9	21.4	90.8	23.34	20.0	2.1	0.0	2.1	2.0
25	15.2	28.6	21.2	80.7	20.08	17.6	0.4	0.0	0.4	5.8
26	17.0	27.4	21.6	83.5	21.67	18.8	0.6	32.5	33.1	2.6
27	17.2	28.1	21.9	79.7	20.62	18.0	0.0	8.0	8.0	6.0
28	17.0	28.2	21.9	82.2	21.22	18.4	0.0	6.2	6.2	5.9
29	18.0	27.1	21.3	80.9	20.49	17.9	0.0	9.1	9.1	
30	16.4	25.2	21.1	83.1	20.23	17.7	0.0	0.0	0.0	
PROM	17.2	27.4	21.8	82.8	21.34	18.5	32.1	86.6	118.9	

ESTACION: ARTURO GOMEZ MUNICIPIO: ALCALA AÑO: 1.989

ALTITUD: 1.320 LATITUD: 4-40 N. LONGITUD: 75-48 W.

M E S — MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.8	27.0	20.2	87.2	20.85	18.2	40.2	0.0	40.2	
2	16.0	25.5	20.7	86.2	20.79	18.1	0.0	0.0	0.0	3.2
3	16.5	27.3	21.4	82.6	20.98	18.3	0.2	1.1	1.3	1.7
4	17.5	27.5	20.4	83.6	20.15	17.6	3.9	0.0	3.9	4.0
5	15.2	26.5	19.5	85.7	19.56	17.1	0.5	36.6	37.1	4.5
6	17.0	24.8	20.4	87.6	20.94	18.2	0.0	0.2	0.2	1.0
7	17.4	26.5	20.1	83.7	19.80	17.3	5.7	2.8	8.5	2.4
8	17.8	25.0	20.2	88.9	21.28	18.5	0.1	1.2	1.3	
9	17.5	26.5	20.8	85.6	20.87	18.2	0.0	0.0	0.0	
10	17.0	21.9	18.8	97.6	21.01	18.3	6.5	0.0	6.5	
11	14.5	26.5	20.6	83.8	19.87	17.4	0.0	0.0	0.0	
12	17.6	27.0	19.9	92.2	21.93	19.0	2.6	11.6	14.2	
13	16.8	24.8	18.9	90.1	19.78	17.3	2.8	0.0	2.8	
14	15.6	28.0	20.2	84.5	19.91	17.4	2.0	0.0	2.0	
15	16.4	28.2	21.8	81.3	21.01	18.3	0.0	1.4	1.4	
16	16.3	28.6	22.2	80.5	20.96	18.2	0.0	0.0	0.0	
17	16.2	28.1	22.5	80.9	21.66	18.7	0.5	0.0	0.5	
18	17.4	27.0	22.2	85.8	22.89	19.6	7.4	0.1	7.5	
19	18.6	27.2	21.6	83.5	21.61	18.7	15.5	0.0	15.5	
20	17.0	29.6	23.1	76.5	21.19	18.4	0.0	0.0	0.0	6.6
21	16.6	28.2	22.4	78.3	20.90	18.2	0.1	0.0	0.1	2.3
22	17.5	27.3	22.1	86.0	22.38	19.2	1.0	0.1	1.1	3.6
23	18.0	26.0	21.0	87.6	21.82	18.9	0.3	0.1	0.4	1.5
24	18.4	26.2	21.3	85.6	21.49	18.6	0.0	2.3	2.3	2.7
25	17.8	26.0	20.7	87.9	21.51	18.7	0.0	0.0	0.0	1.9
26	17.7	26.7	21.3	89.0	22.51	19.3	0.2	0.0	0.2	2.0
27	16.6	28.5	21.1	78.7	20.01	17.5	6.6	0.1	6.7	4.6
28	15.8	27.2	21.6	80.9	20.44	17.8	0.0	0.0	0.0	4.2
29	15.2	27.3	21.2	80.7	19.90	17.4	0.0	0.0	0.0	4.2
30	16.0	30.0	22.8	79.1	21.35	18.5	0.0	0.0	0.0	6.7
31	17.2	28.6	22.4	81.7	21.89	18.9	0.0	0.0	0.0	4.0
PROM.	16.8	27.0	21.1	84.6	21.01	18.3	96.1	57.6	153.7	

M E S — JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.3	28.4	20.8	82.0	20.22	17.7	2.9	0.3	3.2	4.1
2	17.0	27.2	21.9	83.7	21.79	18.8	0.0	1.0	1.0	3.7
3	17.2	23.1	20.5	92.1	22.25	19.2	0.0	0.0	0.0	0.0
4	16.8	28.0	21.5	83.7	21.24	18.4	1.0	0.0	1.0	4.2
5	18.2	25.2	21.2	90.4	22.33	19.3	2.4	14.9	17.3	1.6
6	17.4	27.0	22.3	87.8	23.12	19.8	2.5	26.2	28.7	2.9
7	17.2	25.9	21.3	88.8	22.09	19.0	0.0	0.0	0.0	2.9
8	17.2	28.0	23.0	80.3	21.66	18.7	0.0	0.0	0.0	5.2
9	18.5	27.8	21.5	88.4	22.67	19.6	1.2	5.0	6.2	2.4
10	18.8	28.0	21.3	81.9	21.07	18.3	20.8	0.0	20.8	4.0
11	18.0	27.8	22.0	83.3	21.81	18.9	0.0	1.5	1.5	2.5
12	18.2	27.1	22.2	83.6	22.03	19.0	5.6	0.2	5.8	4.5
13	18.0	27.0	21.3	84.5	21.36	18.5	0.7	0.0	0.7	2.4
14	16.0	28.6	22.3	80.9	21.31	18.5	0.0	0.0	0.0	5.4
15	16.4	28.0	22.3	85.4	22.70	19.5	0.0	0.0	0.0	5.2
16	16.2	27.0	21.3	82.2	20.57	17.9	0.0	0.0	0.0	4.6
17	16.1	27.8	21.6	80.8	20.62	17.9	0.0	0.0	0.0	3.4
18	17.0	25.8	20.8	86.1	20.76	18.0	0.9	2.8	3.7	2.7
19	17.0	26.5	20.0	85.1	20.02	17.5	3.1	0.0	3.1	2.5
20	16.9	26.4	21.6	84.2	21.22	18.4	0.0	0.0	0.0	3.8
21	17.8	26.9	21.3	85.2	21.69	18.8	19.7	2.0	21.7	2.6
22	17.8	26.6	21.8	81.6	21.16	18.4	0.0	4.8	4.8	2.8
23	17.7	24.6	19.8	89.7	21.10	18.3	2.9	0.4	3.3	0.8
24	17.1	23.1	19.7	89.1	20.47	17.9	6.7	0.5	7.2	0.7
25	17.2	24.8	19.7	89.1	20.27	17.7	4.1	0.0	4.1	1.6
26	16.8	27.3	20.9	84.5	20.48	17.8	0.0	17.1	17.1	4.2
27	17.3	25.5	20.2	86.1	20.33	17.7	0.4	0.0	0.4	2.4
28	17.4	27.8	21.3	80.5	20.10	17.6	0.0	0.0	0.0	4.4
29	16.0	28.5	21.9	80.7	20.73	18.1	0.0	0.0	0.0	5.8
30	16.7	27.4	21.0	83.8	20.66	18.0	0.0	0.8	0.8	2.7
PROM	17.2	26.8	21.3	84.9	21.26	18.4	74.9	77.5	152.4	96.0

ESTACION: ARTURO GOMEZ MUNICIPIO: ALCALA AÑO: 1.989

ALTITUD: 1.320 LATITUD: 4-40 N. LONGITUD: 75-48 W.

M E S — JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.2	26.5	19.8	80.3	18.84	16.6	17.3	1.0	18.3	3.8
2	16.0	26.4	20.8	82.4	20.07	17.6	0.0	0.0	0.0	3.7
3	15.5	29.0	22.2	78.1	20.34	17.8	0.0	0.0	0.0	6.3
4	15.0	28.0	21.8	77.3	19.37	17.0	0.0	5.1	5.1	6.5
5	16.8	27.3	20.4	83.6	20.18	17.6	16.4	0.2	16.6	3.9
6	15.9	27.2	22.0	70.2	18.11	15.8	0.0	0.0	0.0	3.8
7	16.2	27.0	20.8	83.9	20.49	17.9	0.0	0.0	0.0	4.7
8	17.0	26.2	20.8	82.9	20.53	17.9	0.7	0.0	0.7	3.3
9	15.8	26.8	21.0	79.2	19.34	17.0	0.0	0.0	0.0	4.2
10	14.7	27.9	21.8	70.8	17.61	15.5	0.0	0.0	0.0	6.6
11	13.5	26.7	20.7	82.1	19.50	17.0	0.0	0.0	0.0	4.6
12	14.2	30.0	22.8	57.8	14.62	12.6	0.0	0.0	0.0	6.3
13	16.0	30.2	23.6	57.5	16.13	14.0	0.0	0.0	0.0	6.9
14	15.0	30.1	23.9	55.0	15.08	13.1	0.0	0.0	0.0	6.9
15	15.7	31.2	25.0	56.8	15.91	13.9	0.0	0.0	0.0	7.4
16	16.6	28.2	23.0	61.5	16.06	14.0	0.0	0.0	0.0	1.5
17	14.8	29.1	22.0	79.4	20.20	17.6	0.0	0.0	0.0	4.3
18	14.9	27.2	22.3	75.9	19.33	16.9	0.0	0.0	0.0	4.8
19	16.8	28.5	21.7	80.3	20.82	18.2	0.5	0.0	0.5	4.3
20	17.8	26.3	19.7	88.8	20.65	18.0	3.7	0.0	3.7	1.6
21	15.2	25.4	20.1	84.3	19.36	16.9	0.0	1.6	1.6	1.4
22	16.9	24.4	19.5	92.2	21.29	18.5	3.4	0.0	3.4	1.1
23	16.4	26.9	20.8	84.1	20.38	17.8	0.4	0.0	0.4	3.3
24	17.0	27.8	21.5	82.5	20.80	18.1	0.0	10.0	10.0	2.2
25	16.2	26.4	21.7	79.3	20.08	17.6	0.0	7.1	7.1	2.4
26	16.5	25.0	20.9	82.4	19.97	17.4	0.5	0.2	0.7	2.9
27	17.8	26.7	22.6	76.6	20.30	17.8	0.0	0.0	0.0	4.8
28	16.7	27.6	22.4	78.6	20.60	17.9	0.0	0.0	0.0	4.5
29	17.0	27.5	21.9	78.6	20.16	17.6	0.0	11.4	11.4	4.5
30	15.7	28.4	21.3	76.7	18.81	16.5	0.0	0.0	0.0	7.1
31	17.5	28.2	22.0	84.2	22.01	19.0	0.0	0.0	0.0	5.3
PROM.	16.1	27.6	21.6	76.9	19.26	16.8	42.9	36.6	79.5	134.9

M E S — AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	27.0	21.6	81.4	20.61	17.9	0.9	0.0	0.9	2.6
2	15.7	28.3	21.7	78.0	19.56	17.1	0.0	0.0	0.0	3.4
3	14.9	28.8	21.6	76.9	19.05	16.7	0.0	6.7	6.7	5.8
4	14.8	28.9	21.6	73.3	18.01	15.8	0.0	0.0	0.0	6.9
5	15.0	27.0	21.2	82.2	20.01	17.4	0.0	1.8	1.8	2.5
6	17.0	28.8	21.3	74.0	18.18	16.0	0.0	0.0	0.0	6.1
7	13.7	30.0	22.4	72.9	18.41	16.1	0.0	0.0	0.0	7.2
8	15.8	29.5	22.4	77.7	20.21	17.6	0.0	0.0	0.0	6.4
9	16.4	29.6	21.1	79.5	19.60	17.2	0.0	0.0	0.0	5.8
10	16.8	27.8	21.8	78.6	20.27	17.7	0.0	0.0	0.0	4.2
11	16.0	27.4	20.5	81.3	19.75	17.3	0.2	0.0	0.2	3.4
12	14.0	29.0	22.0	77.2	19.61	17.1	0.0	0.0	0.0	5.9
13	16.6	26.2	20.8	84.5	20.65	18.0	12.9	0.0	12.9	0.8
14	16.5	27.0	21.8	82.0	20.71	17.9	1.9	0.0	1.9	4.1
15	17.8	28.8	22.5	80.2	21.47	18.6	0.0	0.0	0.0	5.3
16	18.0	25.2	20.7	82.7	20.40	17.8	0.2	0.0	0.2	0.0
17	15.4	27.5	22.0	75.3	19.05	16.7	0.0	0.0	0.0	4.2
18	14.9	30.8	23.3	74.5	20.26	17.7	0.0	0.0	0.0	6.7
19	17.0	28.0	20.9	79.6	19.90	17.4	0.0	0.0	0.0	2.3
20	16.8	27.0	20.4	87.4	20.88	18.2	0.0	0.0	0.0	3.7
21	16.0	26.4	20.1	87.9	20.68	18.0	0.5	0.0	0.5	3.0
22	16.8	28.2	21.8	79.1	20.06	17.5	0.0	0.0	0.0	3.3
23	16.3	26.0	19.9	86.1	20.36	17.8	1.3	0.2	1.5	0.8
24	15.7	29.4	21.3	77.9	19.14	16.8	0.5	0.0	0.5	6.2
25	16.0	29.0	22.7	73.2	19.29	16.9	0.0	30.5	30.5	4.9
26	17.0	26.0	21.4	81.6	20.46	17.8	0.2	0.2	0.4	4.5
27	17.2	28.0	22.9	78.5	21.29	18.5	0.0	0.0	0.0	2.9
28	16.8	27.8	20.5	85.2	20.78	18.1	0.0	13.1	13.1	3.0
29	17.4	24.4	20.2	86.6	20.37	17.8	3.8	46.7	50.5	1.0
30	16.0	26.2	20.9	82.4	19.87	17.4	0.0	0.0	0.0	3.3
31	15.7	26.4	20.8	84.5	20.86	18.2	10.7	0.0	10.7	2.4
PROM	16.2	27.8	21.4	80.1	19.99	17.5	33.1	99.2	132.3	122.6

ESTACION: ARTURO GOMEZ MUNICIPIO: ALCALA AÑO: 1.989

ALTITUD: 1.320 LATITUD: 4-40 N. LONGITUD: 75-48 W.

M E S – SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.5	28.3	22.1	78.7	20.48	17.9	0.0	0.0	0.0	6.3
2	16.2	27.8	20.8	82.5	20.14	17.6	0.0	0.0	0.0	3.6
3	15.4	28.9	21.7	81.4	20.49	17.8	0.0	31.4	31.4	4.3
4	16.8	27.5	21.9	77.4	19.66	17.2	1.4	3.7	5.1	3.8
5	17.2	23.0	19.6	89.9	20.66	18.0	4.6	2.3	6.9	0.1
6	17.6	24.2	20.1	90.5	21.25	18.5	1.5	0.0	1.5	1.5
7	17.5	26.8	20.2	86.7	20.91	18.2	15.0	0.1	15.1	2.5
8	16.0	25.8	20.0	87.4	20.61	18.0	0.5	0.0	0.5	3.0
9	16.9	26.9	20.0	84.5	19.98	17.5	1.3	0.0	1.3	2.9
10	16.4	26.2	21.8	83.7	21.48	18.6	0.9	0.0	0.9	1.7
11	16.0	26.0	19.5	92.8	21.24	18.4	2.7	1.2	3.9	2.8
12	16.9	29.2	20.0	82.6	19.19	16.9	18.1	12.6	30.7	4.9
13	16.7	26.4	21.4	79.2	19.80	17.3	0.0	0.0	0.0	5.7
14	16.8	27.0	21.6	79.1	19.95	17.5	0.0	0.0	0.0	3.6
15	14.6	29.0	21.8	80.7	20.42	17.8	0.9	0.0	0.9	8.1
16	16.1	29.2	22.2	79.8	20.76	18.1	0.0	0.0	0.0	6.9
17	15.8	27.8	20.9	82.1	20.15	17.6	0.5	1.1	1.6	3.6
18	17.6	25.0	20.7	89.6	21.92	18.5	1.4	0.0	1.4	1.8
19	15.0	27.2	19.3	85.6	19.09	16.8	28.1	0.0	28.1	4.1
20	16.2	25.5	19.6	89.1	20.45	17.8	1.9	0.0	1.9	0.2
21	17.2	25.7	20.9	82.9	20.37	17.8	0.0	8.2	8.2	2.1
22	16.6	23.8	18.9	90.4	20.03	17.5	11.4	1.0	12.4	0.2
23	15.2	27.0	21.8	81.6	20.50	17.8	0.0	0.3	0.3	5.3
24	17.4	26.9	20.3	88.1	20.76	18.1	2.0	0.0	2.0	4.8
25	16.3	25.9	20.8	83.8	20.44	17.8	0.0	10.8	10.8	3.6
26	16.0	25.1	20.4	84.8	19.90	17.3	1.0	0.0	1.0	3.0
27	15.7	24.8	19.5	84.9	19.08	16.8	0.0	0.8	0.8	0.7
28	17.1	19.8	17.6	96.1	19.50	17.1	9.3	0.4	9.7	0.0
29	15.0	27.0	20.4	81.4	19.14	16.8	0.0	0.0	0.0	4.6
30	15.8	26.8	20.2	84.3	20.33	17.7	1.0	0.0	1.0	3.6
PROM.	16.3	26.4	20.5	84.7	20.29	17.7	103.5	73.9	177.4	99.3

M E S – OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.9	26.5	21.4	84.1	21.15	18.4	0.0	4.6	4.6	4.2
2	17.0	26.3	20.6	85.4	20.56	17.9	0.2	1.7	1.9	4.0
3	16.9	26.9	21.1	79.9	19.55	17.1	0.0	4.9	4.9	4.5
4	16.8	26.0	20.0	83.1	19.52	17.1	0.0	2.5	2.5	3.3
5	15.8	25.3	19.8	85.9	19.73	17.3	1.2	0.0	1.2	4.2
6	14.0	28.1	20.9	83.5	20.17	17.5	0.2	2.7	2.9	7.3
7	16.5	27.0	20.3	91.7	21.97	19.0	0.3	0.0	0.3	7.4
8	16.7	25.4	19.9	87.4	20.52	17.9	0.0	3.3	3.3	2.2
9	17.1	25.6	20.2	88.4	21.28	18.5	9.7	0.0	9.7	2.5
10	15.8	25.8	19.5	92.8	21.50	18.6	12.3	27.8	40.1	2.9
11	15.4	23.9	18.9	88.8	19.17	16.8	3.4	4.6	8.0	0.7
12	15.2	24.5	19.7	88.2	20.30	17.7	21.9	0.0	21.9	1.1
13	16.0	26.0	19.2	88.8	19.98	17.5	27.0	30.0	57.0	2.7
14	15.9	25.8	20.7	84.0	20.37	17.8	0.0	0.0	0.0	2.1
15	17.6	24.7	19.8	85.6	20.38	17.8	3.8	0.0	3.8	0.9
16	14.7	26.2	19.9	84.5	19.46	17.0	0.0	0.0	0.0	4.8
17	16.8	25.7	19.5	95.3	21.83	18.5	0.0	1.6	1.6	0.3
18	15.8	27.0	20.7	83.9	20.25	17.7	0.0	4.0	4.0	3.9
19	17.0	26.5	20.4	82.3	19.50	17.1	0.3	0.0	0.3	4.3
20	14.8	26.4	20.6	83.5	19.95	17.4	0.0	0.0	0.0	5.6
21	16.7	26.0	20.0	86.1	20.62	18.0	0.4	0.0	0.4	3.5
22	15.7	25.8	20.6	83.0	19.91	17.4	0.0	4.0	4.0	4.7
23	16.8	27.2	20.3	87.4	21.12	18.3	8.5	1.1	9.6	4.0
24	17.6	25.2	20.5	85.2	20.61	18.0	0.0	0.0	0.0	2.3
25	17.3	25.7	19.7	94.9	21.78	18.5	0.8	0.0	0.8	2.1
26	17.4	26.4	20.7	86.0	21.11	18.4	0.3	0.0	0.3	3.1
27	18.3	24.3	21.2	90.3	22.69	19.5	0.3	0.6	0.9	1.5
28	17.6	24.7	20.1	88.8	21.14	18.4	0.0	0.0	0.0	0.5
29	16.0	27.6	21.4	80.9	20.30	17.7	0.0	0.2	0.2	2.8
30	17.6	28.2	20.1	87.1	21.24	18.4	14.7	21.5	36.2	3.6
31	15.8	27.6	20.6	85.5	20.72	18.0	5.8	32.4	38.2	5.9
PROM	16.4	26.1	20.3	86.5	20.59	17.9	111.1	147.5	258.6	102.9

ESTACION: ARTURO GONEZ MUNICIPIO: ALCALA AÑO: 1.989

ALTITUD: 1.320 LATITUD: 4-40 N. LONGITUD: 75-48 W.

M E S - NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.7	25.0	21.0	86.6	21.13	18.3	4.5	0.0	4.5	1.9
2	16.0	27.0	22.1	82.4	21.78	18.8	0.0	41.1	41.1	2.9
3	17.5	27.5	20.6	86.7	21.42	18.6	7.8	1.5	9.3	4.0
4	17.1	23.2	19.9	92.2	21.89	18.9	13.0	0.0	13.0	0.2
5	15.5	27.4	21.5	81.4	20.56	17.9	0.0	0.0	0.0	7.1
6	17.5	27.8	21.7	83.6	21.59	18.7	0.0	13.2	13.2	7.3
7	16.4	25.5	20.2	85.4	19.89	17.4	0.0	0.2	0.2	4.2
8	16.3	28.6	20.6	80.9	19.71	17.3	0.0	0.0	0.0	5.1
9	16.5	27.5	21.3	78.8	19.63	17.2	0.0	0.0	0.0	9.0
10	16.3	26.8	21.0	81.7	20.08	17.6	0.0	6.5	6.5	5.3
11	16.2	21.5	18.5	85.2	18.00	15.8	0.6	0.0	0.6	0.1
12	16.0	25.0	20.5	79.0	18.52	16.3	0.0	0.0	0.0	4.8
13	16.2	24.3	20.6	88.7	21.27	18.4	0.0	0.0	0.0	2.6
14	14.5	28.2	21.3	81.4	20.42	17.8	0.8	0.5	1.3	6.1
15	17.5	28.4	21.7	83.2	21.69	18.8	0.9	0.0	0.9	7.1
16	17.6	28.6	23.1	84.2	23.42	20.0	0.1	9.3	9.4	7.1
17	17.4	29.2	21.5	84.2	21.24	18.4	0.3	0.0	0.3	4.0
18	17.2	27.3	22.5	85.4	23.00	19.7	0.0	0.0	0.0	4.0
19	18.0	30.0	23.2	79.3	22.17	19.1	0.0	0.0	0.0	7.0
20	18.1	29.5	21.8	83.5	21.87	18.9	0.3	4.9	5.2	5.7
21	17.0	23.5	20.1	90.9	21.54	18.7	0.0	0.0	0.0	0.1
22	16.0	27.5	21.7	84.5	21.72	18.8	2.2	0.0	2.2	4.3
23	17.0	28.4	23.0	81.9	22.65	19.5	0.0	2.0	2.0	5.2
24	17.5	26.5	19.7	88.4	20.76	18.1	23.4	0.0	23.4	3.7
25	15.2	27.8	21.1	82.8	20.53	17.9	0.0	0.0	0.0	4.3
26	17.0	28.6	22.4	82.6	22.28	19.2	0.1	0.0	0.1	6.9
27	16.8	28.8	22.5	80.5	21.35	18.5	0.0	0.0	0.0	8.3
28	17.4	28.2	22.1	82.7	21.92	18.9	0.0	1.8	1.8	4.5
29	18.0	26.7	20.8	85.3	21.05	18.3	8.9	0.0	8.9	1.7
30	17.0	26.0	21.7	87.3	22.57	19.4	0.0	0.0	0.0	2.9
PROM.	16.8	27.0	21.3	84.0	21.19	18.4	62.9	81.0	143.9	137.4

M E S - DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.2	26.2	20.8	84.6	20.93	18.2	0.2	44.5	44.7	4.1
2	16.5	24.2	19.5	88.9	20.25	17.7	0.0	0.0	0.0	0.6
3	15.4	27.3	21.2	80.2	19.95	17.4	0.0	0.2	0.2	9.3
4	17.0	24.5	20.1	88.4	21.11	18.4	0.0	3.9	3.9	1.5
5	16.0	26.5	20.8	82.4	20.08	17.6	0.0	0.3	0.3	4.5
6	16.4	27.6	22.0	82.3	21.45	18.6	1.1	0.0	1.1	4.5
7	17.8	28.5	23.4	78.8	22.19	19.1	0.0	0.1	0.1	6.4
8	17.4	28.8	22.6	78.5	21.02	18.3	0.1	0.0	0.1	6.5
9	18.0	28.9	22.8	81.2	22.20	19.1	0.0	27.6	27.6	6.9
10	16.2	26.5	21.0	83.7	20.40	17.8	0.0	0.8	0.8	4.1
11	17.6	27.3	20.8	85.1	21.11	18.4	4.0	0.0	4.0	3.2
12	18.0	27.6	20.9	85.1	21.12	18.4	16.0	0.0	16.0	3.8
13	17.8	26.6	21.2	90.0	22.37	19.3	0.0	0.0	0.0	1.8
14	18.0	25.5	21.0	86.2	21.60	18.7	0.0	0.0	0.0	0.0
15	16.8	28.5	21.7	80.8	20.69	18.0	0.0	0.0	0.0	4.7
16	15.4	26.2	21.0	78.8	19.10	16.8	0.0	0.0	0.0	4.8
17	15.2	28.4	22.0	78.5	20.33	17.7	0.0	0.0	0.0	7.9
18	15.5	28.8	21.7	79.6	20.26	17.7	0.0	0.0	0.0	7.6
19	15.0	28.2	22.3	77.8	20.16	17.6	0.0	0.0	0.0	6.9
20	15.4	28.5	22.1	77.7	19.97	17.4	0.0	0.0	0.0	7.3
21	16.5	29.5	23.0	76.2	20.55	17.9	0.0	0.0	0.0	7.7
22	16.2	29.2	21.3	80.2	19.98	17.5	0.9	0.0	0.9	7.2
23	17.0	27.5	21.6	83.8	21.51	18.6	4.0	0.0	4.0	4.4
24	16.6	27.0	20.7	85.1	20.87	18.2	0.0	0.0	0.0	2.6
25	17.0	26.5	20.6	89.1	21.49	18.6	0.0	8.9	8.9	2.5
26	17.4	26.2	21.4	86.8	21.81	18.9	0.0	7.8	7.8	3.8
27	17.5	23.6	20.1	89.8	21.15	18.4	0.7	8.3	9.0	0.3
28	17.0	24.5	20.5	87.9	21.17	18.4	0.8	0.2	1.0	1.5
29	16.5	27.0	21.0	80.7	19.98	17.5	0.0	0.0	0.0	6.9
30	15.4	28.5	21.5	74.4	18.41	16.2	0.0	0.0	0.0	7.1
31	15.8	28.0	21.2	80.2	19.73	17.3	0.0	0.0	0.0	6.7
PROM	16.7	27.2	21.3	82.7	20.74	18.1	27.8	102.6	130.4	147.1

ESTACION: ARTURO GOMEZ MUNICIPIO: ALCALA AÑO: 1.989

ALTITUD: 1.320 LATITUD: 4-40 N. LONGITUD: 75-48 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	16.6	26.5	20.6	14.8	28.6	82.2	19.84	17.4	107.6	19	130.4
FEBRERO	16.3	26.7	20.6	13.8	28.8	81.3	19.55	17.1	107.9	16	123.8
MARZO	16.6	27.1	21.2	14.0	30.0	80.4	19.83	17.3	287.5	18	151.1
ABRIL	17.2	27.4	21.8	15.2	30.2	82.8	21.34	18.5	118.9	18	
MAYO	16.8	27.0	21.1	14.5	30.0	84.6	21.01	18.3	153.7	21	
JUNIO	17.2	26.8	21.3	16.0	28.6	84.5	21.26	18.4	152.4	20	96.0
JULIO	16.1	27.6	21.6	13.5	31.2	76.5	19.26	16.8	79.5	13	134.9
AGOSTO	16.2	27.8	21.4	13.7	30.8	80.1	19.99	17.5	132.3	15	122.6
SEPTIEMBRE	16.3	26.4	20.5	14.6	29.2	84.7	20.29	17.7	177.4	24	99.3
OCTUBRE	16.4	26.1	20.3	14.0	28.2	86.5	20.59	17.9	258.6	26	102.9
NOVIEMBRE	16.8	27.0	21.3	14.5	30.0	84.0	21.19	18.4	143.9	19	137.4
DICIEMBRE	16.7	27.2	21.3	15.0	29.5	82.7	20.74	18.1	130.4	17	147.1
PROMEDIO	16.6	27.0	21.1	14.5	29.6	82.6	20.41	17.8			
TOTAL									1850.1	228	

ESTACION: VENECIA **MUNICIPIO:** CAICEDONIA **AÑO:** 1.989

ALTITUD: 1.170 **LATITUD:** 4-20 N. **LONGITUD:** 75-55 W

M E S – ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	25.7	19.7	86.1	19.94	17.4	4.5	3.0	7.5	1.5
2	17.2	25.3	20.5	86.8	20.77	18.1	0.4	0.0	0.4	1.0
3	16.5	27.1	21.8	80.4	20.56	17.9	0.0	1.1	1.1	5.6
4	18.6	26.9	21.5	86.7	22.28	19.2	0.0	28.2	28.2	3.2
5	18.0	25.3	21.0	86.7	21.32	18.5	0.0	0.0	0.0	3.6
6	17.0	27.4	21.3	80.7	20.24	17.7	0.0	0.0	0.0	4.7
7	17.4	29.1	21.2	83.0	20.83	18.2	0.0	56.6	56.6	5.8
8	17.3	28.3	21.3	81.3	20.24	17.7	0.0	0.0	0.0	6.5
9	18.0	28.8	22.6	79.0	21.27	18.5	0.0	1.4	1.4	7.0
10	16.0	26.4	20.0	85.6	19.99	17.5	21.5	0.1	21.6	1.8
11	16.8	24.2	20.0	85.9	20.01	17.5	0.3	0.0	0.3	2.2
12	15.0	27.5	20.7	79.8	18.85	16.5	0.0	0.8	0.8	7.0
13	18.0	26.9	20.6	86.6	21.04	18.3	1.3	0.6	1.9	1.5
14	16.5	27.5	21.0	79.3	19.28	16.9	0.0	0.0	0.0	5.7
15	16.4	28.9	21.0	83.4	20.60	17.9	5.4	0.0	5.4	7.9
16	16.0	28.8	21.9	79.6	20.55	17.9	0.0	0.0	0.0	7.0
17	17.8	28.2	22.4	78.7	20.82	18.1	0.0	0.0	0.0	5.0
18	18.0	29.8	22.8	76.9	20.74	18.0	0.0	0.0	0.0	6.9
19	17.6	28.7	23.0	77.8	21.22	18.4	0.0	0.0	0.0	6.7
20	16.4	30.0	22.6	76.1	20.06	17.6	0.0	0.0	0.0	7.8
21	16.9	29.1	21.3	83.1	20.83	18.1	0.3	0.0	0.3	5.7
22	17.1	28.7	21.5	83.0	21.08	18.3	0.0	0.0	0.0	4.0
23	17.2	29.5	21.1	83.8	20.84	18.2	4.1	0.0	4.1	6.3
24	16.6	29.0	22.8	77.6	20.87	18.2	0.0	0.0	0.0	5.7
25	17.6	26.2	21.6	84.3	21.54	18.7	0.3	0.0	0.3	0.4
26	17.7	29.2	23.4	76.1	21.12	18.4	0.0	25.5	25.5	5.6
27	18.0	24.9	20.2	92.2	21.89	18.9	0.0	0.0	0.0	0.5
28	18.5	25.1	20.9	86.4	21.37	18.6	0.0	0.2	0.2	0.6
29	18.0	29.2	21.3	81.2	20.40	17.8	0.9	0.0	0.9	6.5
30	18.5	26.6	21.7	82.6	21.25	18.4	0.0	2.4	2.4	2.1
31	18.6	27.2	20.8	85.9	21.20	18.4	1.4	0.0	1.4	3.2
PROM.	17.3	27.6	21.4	82.5	20.74	18.1	40.4	119.9	160.3	139.0

M E S – FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	25.8	21.0	84.1	20.73	18.0	0.0	0.0	0.0	0.7
2	17.6	27.5	22.1	77.3	20.00	17.5	0.0	3.1	3.1	3.2
3	17.9	26.1	20.8	84.7	20.54	17.9	0.0	13.9	13.9	2.2
4	16.6	24.0	19.4	82.7	18.43	16.2	0.0	0.0	0.0	0.3
5	15.6	27.3	20.9	81.1	19.65	17.2	0.0	0.0	0.0	4.6
6	15.4	29.8	21.3	82.7	20.47	17.8	3.9	15.5	19.4	8.2
7	17.0	28.3	22.2	83.7	21.95	18.9	0.2	23.2	23.4	6.8
8	17.2	28.9	20.5	84.9	20.52	17.9	2.9	0.0	2.9	5.2
9	16.9	26.8	20.6	86.6	20.89	18.2	0.0	0.0	0.0	2.8
10	18.4	26.3	21.2	89.9	22.22	19.2	0.0	19.7	19.7	1.5
11	18.0	24.8	20.1	89.3	21.21	18.4	4.4	0.0	4.4	1.4
12	17.0	28.9	21.1	83.7	20.56	17.9	0.4	0.1	0.5	8.1
13	16.9	28.2	20.7	83.7	20.15	17.6	0.6	7.6	8.2	6.3
14	16.1	28.9	21.1	82.4	20.31	17.7	1.6	13.0	14.6	7.2
15	17.5	28.2	22.3	79.4	20.76	18.1	0.0	0.0	0.0	5.9
16	18.0	29.1	22.9	73.9	20.02	17.5	0.0	1.1	1.1	8.0
17	17.6	27.2	20.2	82.4	19.54	17.2	1.5	0.0	1.5	4.7
18	16.0	29.2	21.8	79.5	20.27	17.7	0.0	0.0	0.0	6.9
19	15.0	29.3	21.5	79.1	19.64	17.1	0.0	0.0	0.0	8.0
20	16.8	26.0	21.4	81.2	20.14	17.6	0.0	0.0	0.0	0.2
21	17.6	26.4	21.9	82.0	21.03	18.3	0.0	0.0	0.0	1.7
22	17.8	28.4	21.3	82.2	20.55	17.9	0.0	0.3	0.3	4.3
23	18.2	24.8	20.0	91.6	21.79	18.8	1.3	0.0	1.3	0.8
24	15.0	28.9	21.9	74.9	18.70	16.4	0.0	0.0	0.0	7.9
25	18.2	27.6	23.2	75.5	20.70	18.0	0.0	0.4	0.4	2.4
26	18.1	28.2	21.6	84.6	21.62	18.7	0.0	0.0	0.0	3.4
27	18.4	29.9	23.5	76.9	21.52	18.7	0.0	0.0	0.0	6.5
28	17.4	30.6	23.6	78.0	21.96	19.0	0.0	0.6	0.6	6.6
PROM	17.1	27.7	21.4	82.1	20.57	17.9	16.8	98.5	115.3	125.8

ESTACION: VENECIA MUNICIPIO: CAICEDONIA AÑO: 1.989

ALTITUD: 1.170 LATITUD: 4-20 N. LONGITUD: 75-55 W

M E S – MARZO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	32.1	24.2	75.1	21.80	18.9	0.0	0.0	0.0	9.4
2	17.5	31.0	24.0	72.5	20.44	17.9	0.0	0.0	0.0	8.5
3	16.8	27.8	21.9	81.1	20.92	18.2	0.0	0.8	0.8	3.2
4	17.5	28.4	21.7	84.3	21.66	18.8	0.0	3.6	3.6	2.7
5	17.2	21.8	19.3	94.7	21.28	18.5	15.5	0.0	15.5	0.0
6	17.4	29.2	22.1	80.7	20.98	18.2	0.0	20.5	20.5	6.3
7	17.0	26.4	21.1	80.6	19.86	17.4	0.0	0.4	0.4	2.9
8	16.8	28.2	20.6	83.8	20.30	17.7	3.4	0.1	3.5	3.9
9	16.0	28.9	21.9	80.3	20.55	17.9	0.0	0.0	0.0	4.9
10	17.0	29.1	22.4	74.9	19.81	17.4	0.0	0.0	0.0	6.1
11	17.8	27.2	20.7	84.7	20.74	18.1	2.0	0.0	2.0	1.1
12	16.9	26.4	21.7	80.7	20.41	17.8	0.0	0.7	0.7	1.6
13	18.2	26.2	20.5	87.3	21.10	18.4	2.6	7.3	9.9	2.1
14	18.0	24.1	19.6	90.1	20.86	18.2	6.2	0.2	6.4	0.1
15	16.5	27.2	20.3	84.2	19.86	17.4	12.6	57.8	70.4	2.5
16	16.0	22.2	19.3	90.6	20.15	17.6	2.3	0.0	2.3	0.0
17	16.2	28.8	21.7	78.7	19.71	17.2	0.0	0.0	0.0	6.7
18	15.7	29.0	22.0	77.9	19.98	17.5	0.0	0.0	0.0	7.1
19	16.0	29.7	22.8	66.7	17.23	15.2	0.0	0.0	0.0	8.1
20	16.5	26.8	21.1	81.4	19.84	17.3	0.9	0.0	0.9	2.9
21	15.5	29.0	22.9	69.8	18.69	16.4	0.0	0.0	0.0	8.4
22	16.8	29.2	23.3	70.3	18.97	16.7	8.8	0.3	9.1	7.9
23	15.2	30.0	20.2	78.3	18.21	16.0	25.8	0.0	25.8	9.3
24	15.7	27.5	20.7	77.1	18.46	16.2	0.0	0.0	0.0	4.9
25	15.8	30.5	23.5	67.1	18.14	16.0	0.0	0.4	0.4	9.4
26	16.0	25.2	19.5	81.7	18.53	16.3	1.0	0.0	1.0	0.7
27	15.5	26.4	20.6	80.1	18.81	16.5	0.0	18.8	18.8	3.4
28	17.0	21.9	18.8	89.9	19.54	17.1	7.4	0.0	7.4	0.0
29	14.6	29.4	20.6	72.8	16.97	14.9	0.0	0.0	0.0	9.1
30	13.8	30.2	22.8	65.1	16.79	14.8	0.0	0.0	0.0	9.7
31	14.7	27.7	21.4	73.8	18.17	16.0	0.0	0.0	0.0	5.7
PROM.	16.4	27.7	21.4	79.2	19.64	17.2	88.5	110.9	199.4	148.6

M E S – ABRIL

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.0	29.5	22.1	72.9	18.68	16.4	0.0	7.7	7.7	4.5
2	17.0	28.8	21.7	78.0	19.69	17.2	7.1	0.0	7.1	5.6
3	18.8	25.8	20.5	84.5	20.44	17.8	0.8	0.0	0.8	1.7
4	16.0	28.2	21.9	77.5	19.48	17.1	0.0	1.0	1.0	0.0
5	18.8	26.2	21.8	82.4	21.52	18.7	0.0	0.0	0.0	2.0
6	16.8	28.0	21.9	79.6	20.54	17.9	0.0	0.0	0.0	3.2
7	18.0	29.6	22.9	75.2	20.38	17.8	0.0	0.0	0.0	6.6
8	18.5	30.8	24.6	70.5	20.87	18.2	0.0	0.0	0.0	8.0
9	18.3	26.2	21.3	85.6	21.74	18.8	16.2	0.0	16.2	1.1
10	16.0	29.1	22.2	72.7	19.02	16.7	0.0	0.0	0.0	5.7
11	15.5	30.0	22.6	75.1	19.69	17.2	0.0	0.0	0.0	7.0
12	17.8	26.5	21.4	83.0	20.91	18.2	0.0	0.0	0.0	1.2
13	17.9	30.0	21.9	82.4	21.41	18.5	11.2	0.0	11.2	5.6
14	18.5	25.4	20.7	86.6	21.32	18.5	7.3	0.0	7.3	0.0
15	17.2	25.8	21.0	86.9	21.48	18.6	0.6	0.0	0.6	1.8
16	16.1	29.2	22.0	78.5	20.19	17.6	2.5	0.1	2.6	8.1
17	18.5	31.0	24.2	67.6	19.70	17.3	0.0	0.0	0.0	9.2
18	17.5	29.2	22.7	76.4	20.87	18.2	0.0	0.0	0.0	3.5
19	18.5	28.4	22.7	75.0	20.54	17.9	0.0	0.0	0.0	4.1
20	17.5	28.6	23.3	72.4	20.17	17.6	0.0	0.0	0.0	4.3
21	17.0	30.6	24.1	69.9	19.98	17.5	0.0	0.0	0.0	9.0
22	18.2	31.0	24.1	70.5	20.27	17.7	0.0	0.0	0.0	5.8
23	19.6	31.1	24.7	73.6	22.07	19.1	0.0	5.3	5.3	5.8
24	18.8	25.8	21.2	84.0	21.35	18.5	9.3	0.0	9.3	1.0
25	15.5	29.2	22.6	74.1	19.47	17.1	0.0	0.0	0.0	6.8
26	17.4	27.0	21.1	83.8	21.15	18.4	5.1	5.5	10.6	3.2
27	19.0	29.2	22.6	78.2	21.02	18.2	0.0	9.4	9.4	5.8
28	17.8	28.2	22.1	78.5	20.33	17.7	0.0	0.0	0.0	5.2
29	18.2	28.4	21.8	79.5	20.71	18.1	8.6	22.8	31.4	5.4
30	16.8	26.0	20.4	80.8	19.01	16.7	0.0	0.0	0.0	
PROM	17.5	28.4	22.3	77.9	20.47	17.8	68.7	51.8	120.5	

ESTACION: VENECIA MUNICIPIO: CAICEDONIA AÑO: 1.989

ALTITUD: 1.170 LATITUD: 4-20 N. LONGITUD: 75-55 W

MES - MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.2	27.0	20.6	84.1	20.52	17.9	8.1	8.3	16.4	1.5
2	17.0	26.4	21.8	74.9	18.80	16.5	0.0	0.0	0.0	4.2
3	17.5	28.0	21.9	75.8	19.52	17.1	0.0	29.1	29.1	3.8
4	16.2	27.0	21.4	77.6	19.36	17.0	0.0	0.6	0.6	6.6
5	15.8	28.3	21.6	76.7	19.31	16.9	0.6	7.5	8.1	3.5
6	18.0	25.5	21.3	86.0	21.40	18.6	0.0	20.0	20.0	1.1
7	17.6	27.5	20.6	86.2	21.23	18.4	7.0	0.5	7.5	5.4
8	17.5	25.3	21.7	81.0	20.45	17.9	0.7	5.4	6.1	2.4
9	17.8	27.2	20.8	82.9	20.15	17.6	0.6	0.0	0.6	3.0
10	16.8	22.5	18.7	92.9	20.03	17.5	9.3	0.0	9.3	0.6
11	14.5	27.2	20.6	82.6	19.67	17.2	0.0	0.0	0.0	6.5
12	17.0	27.6	21.1	80.0	20.01	17.5	11.1	12.4	23.5	4.3
13	16.9	25.5	20.1	84.5	19.68	17.2	3.8	0.0	3.8	3.1
14	16.8	27.0	20.9	81.3	19.75	17.3	0.1	0.0	0.1	3.8
15	17.0	29.1	22.4	73.2	19.22	16.9	0.3	0.0	0.3	7.2
16	16.5	30.2	23.4	74.9	20.63	18.0	0.0	0.0	0.0	9.7
17	16.0	28.5	23.3	73.4	20.10	17.6	0.0	0.0	0.0	5.5
18	18.0	28.2	23.2	80.2	22.47	19.4	0.0	0.4	0.4	3.7
19	18.8	28.9	22.6	78.7	21.52	18.7	0.0	0.0	0.0	5.7
20	18.2	30.4	23.7	76.0	21.54	18.7	0.0	0.0	0.0	8.3
21	17.0	30.1	23.0	80.7	21.95	18.9	0.0	0.0	0.0	5.3
22	18.5	30.2	24.6	71.8	21.71	18.8	0.0	0.0	0.0	4.6
23	19.5	27.0	21.4	85.4	22.03	19.1	16.7	0.0	16.7	0.0
24	18.5	27.7	22.3	76.4	20.25	17.7	0.0	0.4	0.4	4.6
25	18.2	26.6	21.0	83.5	20.93	18.2	1.1	1.4	2.5	2.3
26	18.0	27.2	22.0	80.5	21.42	18.6	0.2	0.0	0.2	3.5
27	16.5	29.3	22.4	75.2	19.68	17.2	0.0	0.0	0.0	5.8
28	18.2	28.3	22.1	79.5	20.83	18.1	0.4	0.0	0.4	3.1
29	16.0	28.2	20.8	80.1	19.63	17.2	0.0	0.0	0.0	5.2
30	16.1	29.6	22.5	76.0	20.15	17.6	0.0	0.0	0.0	5.7
31	17.0	29.8	21.5	78.5	20.41	17.8	10.1	4.2	14.3	5.6
PROM.	17.2	27.8	21.8	79.7	20.46	17.8	70.1	90.2	160.3	135.6

MES - JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	29.0	23.6	81.4	23.10	19.7	8.2	0.5	8.7	4.6
2	17.0	27.9	22.1	79.4	20.78	18.1	0.0	0.1	0.1	5.2
3	19.0	25.0	20.6	84.5	20.63	18.0	0.4	0.0	0.4	0.7
4	15.8	28.3	21.6	76.2	19.43	17.0	0.1	0.0	0.1	6.9
5	18.0	26.6	22.0	80.3	20.94	18.2	0.6	0.2	0.8	2.9
6	17.5	28.0	22.3	77.5	20.60	18.0	0.0	6.3	6.3	5.1
7	18.0	26.4	20.0	88.7	20.62	18.0	2.5	0.0	2.5	2.5
8	16.0	28.0	23.1	73.7	20.08	17.6	0.0	1.4	1.4	6.4
9	18.1	27.9	22.8	79.5	21.54	18.6	0.3	0.3	0.6	3.8
10	19.2	28.9	21.8	81.2	21.42	18.6	7.4	0.0	7.4	6.9
11	18.1	28.1	23.6	80.6	22.79	19.6	0.1	0.5	0.6	4.1
12	19.2	28.4	21.5	82.0	21.05	18.3	14.8	2.9	17.7	5.8
13	17.0	28.0	20.9	82.5	20.19	17.6	2.5	0.3	2.8	3.4
14	16.8	29.9	23.2	73.4	20.09	17.5	0.0	0.0	0.0	9.1
15	17.2	29.2	23.6	74.8	21.02	18.3	0.0	0.0	0.0	7.2
16	16.5	29.9	23.2	72.9	19.88	17.3	0.0	0.0	0.0	8.7
17	18.0	30.0	23.8	69.8	19.89	17.4	0.0	0.0	0.0	6.9
18	18.2	29.4	23.3	74.6	20.53	17.9	0.0	0.0	0.0	5.2
19	19.8	27.0	22.1	80.0	21.23	18.4	0.0	0.0	0.0	2.3
20	17.5	28.2	22.8	76.7	20.70	18.1	0.0	0.0	0.0	2.4
21	19.0	28.0	22.9	75.1	20.70	18.0	0.0	1.0	1.0	5.0
22	19.1	27.8	23.5	75.7	21.29	18.5	0.0	2.3	2.3	3.3
23	18.0	24.5	20.2	85.9	20.39	17.8	3.0	0.0	3.0	1.3
24	16.5	25.3	20.9	83.6	20.52	17.9	0.4	1.0	1.4	1.6
25	16.2	25.0	20.4	84.8	20.23	17.7	4.0	0.0	4.0	2.0
26	16.0	27.9	22.1	75.2	19.12	16.8	0.0	10.4	10.4	6.1
27	18.0	26.6	22.4	80.5	21.24	18.4	0.0	0.4	0.4	3.2
28	17.8	28.8	23.0	73.7	19.82	17.4	0.0	0.0	0.0	8.6
29	15.5	29.8	22.6	76.9	20.58	18.0	0.0	0.0	0.0	8.7
30	17.5	27.5	22.2	77.0	20.18	17.6	0.0	0.5	0.5	4.2
PROM	17.6	27.8	22.3	78.6	20.69	18.0	44.3	28.1	72.4	144.1

ESTACION: VENECIA MUNICIPIO: CAICEDONIA AÑO: 1.989

ALTITUD: 1.170 LATITUD: 4-20 N. LONGITUD: 75-55 W

M E S - JULIO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.0	27.7	21.6	80.3	20.45	17.9	0.0	0.0	0.0	4.1
2	16.6	28.6	21.6	77.6	19.48	17.1	0.0	0.0	0.0	6.7
3	15.0	30.4	22.1	69.7	17.72	15.6	0.0	0.0	0.0	8.2
4	13.8	28.8	21.6	74.1	18.18	15.9	0.0	0.0	0.0	7.7
5	16.8	28.2	23.4	73.2	20.12	17.6	0.0	0.0	0.0	5.4
6	17.1	28.6	23.1	69.2	18.94	16.6	0.0	0.0	0.0	5.8
7	16.5	28.5	22.6	71.8	18.67	16.3	0.0	0.0	0.0	7.7
8	17.8	28.0	22.5	74.8	19.88	17.4	0.0	0.0	0.0	6.5
9	16.0	29.0	21.3	70.9	18.96	16.8	0.0	0.0	0.0	5.3
10	15.5	31.8	22.6	62.9	18.33	16.3	0.0	0.0	0.0	8.7
11	13.8	29.4	21.6	66.3	18.60	16.6	0.0	0.0	0.0	8.1
12	14.5	31.4	24.7	53.4	17.90	15.5	0.0	0.0	0.0	9.3
13	16.5	32.0	24.6	59.8	19.19	17.1	0.0	0.0	0.0	8.8
14	15.6	30.8	22.6	64.5	18.92	16.7	0.0	0.0	0.0	6.9
15	16.5	33.8	23.7	61.6	19.30	17.2	0.0	0.0	0.0	10.2
16	17.5	28.2	23.1	72.1	20.15	17.6	0.0	0.0	0.0	2.6
17	15.8	30.8	22.3	69.3	19.56	17.5	0.0	0.0	0.0	7.1
18	15.5	29.8	23.0	71.4	18.92	16.6	0.0	0.0	0.0	5.8
19	17.5	31.4	22.4	76.0	20.34	17.7	10.3	0.0	10.3	4.6
20	18.8	27.0	21.4	83.5	21.48	18.7	0.3	0.0	0.3	1.3
21	16.0	26.0	21.6	78.8	19.79	17.3	0.0	0.0	0.0	1.3
22	17.0	28.5	21.1	80.1	19.91	17.4	0.2	0.0	0.2	3.4
23	16.2	29.2	21.4	75.7	18.86	16.6	1.2	0.0	1.2	
24	17.6	29.7	22.5	76.5	20.27	17.6	0.3	4.2	4.5	4.1
25	17.0	28.2	21.2	77.6	19.15	16.8	0.0	18.5	18.5	3.7
26	17.5	25.3	20.5	81.1	19.45	17.1	0.7	0.0	0.7	1.6
27	18.0	28.4	23.3	71.2	19.52	17.1	0.0	0.0	0.0	5.9
28	16.8	29.1	22.7	73.5	19.42	17.0	0.0	0.0	0.0	8.0
29	18.0	29.5	24.1	67.0	19.57	17.2	0.0	9.1	9.1	8.2
30	16.7	29.6	22.4	73.6	19.04	16.7	0.0	0.0	0.0	9.8
31	18.5	30.8	23.4	76.3	21.22	18.4	0.0	0.0	0.0	7.4
PROM.	16.6	29.3	22.5	72.1	18.82	16.4	13.0	31.8	44.8	

M E S - AGOSTO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	19.0	29.6	22.8	74.6	20.42	17.8	0.0	0.0	0.0	3.8
2	16.5	29.8	23.2	72.2	19.71	17.3	0.0	0.0	0.0	6.7
3	16.0	29.4	23.4	63.9	17.34	15.2	0.0	0.0	0.0	8.1
4	15.5	30.6	23.3	70.1	19.14	16.8	0.0	0.0	0.0	9.9
5	16.0	29.0	22.6	70.6	18.64	16.4	0.0	0.0	0.0	4.8
6	17.3	29.9	22.9	71.4	19.02	16.7	0.0	0.0	0.0	3.3
7	16.0	31.0	24.1	62.6	16.90	14.8	0.0	0.0	0.0	3.2
8	17.2	32.4	23.4	68.2	18.56	16.2	0.0	0.0	0.0	9.1
9	17.5	31.2	23.5	69.6	19.05	16.7	0.0	0.0	0.0	7.0
10	17.0	29.4	24.5	69.1	19.87	17.2	0.0	0.0	0.0	6.7
11	16.8	30.5	21.6	74.9	19.08	16.7	0.0	0.0	0.0	4.1
12	15.0	30.2	23.0	70.0	18.48	16.2	0.0	0.0	0.0	6.4
13	17.6	29.0	22.6	75.6	20.09	17.5	0.0	0.0	0.0	4.1
14	16.8	30.2	23.7	71.1	19.53	17.1	0.0	0.2	0.2	6.1
15	19.0	30.1	24.7	67.7	20.25	17.7	0.0	0.0	0.0	5.5
16	18.0	27.5	23.0	72.8	19.73	17.3	0.0	0.0	0.0	0.6
17	16.8	30.8	23.1	66.7	17.65	15.5	0.0	0.0	0.0	7.5
18	16.5	32.6	24.4	61.1	17.74	15.6	0.0	0.0	0.0	9.4
19	17.5	30.6	22.8	68.8	18.93	16.6	0.0	7.9	7.9	2.9
20	18.6	28.1	21.3	75.9	19.00	16.6	0.8	0.0	0.8	5.6
21	16.5	28.8	21.0	81.1	20.01	17.5	4.5	2.0	6.5	4.1
22	16.0	29.0	22.2	76.3	19.71	17.2	0.0	0.0	0.0	4.3
23	17.8	27.8	20.7	80.3	19.32	16.8	13.7	0.6	14.3	2.2
24	17.0	30.0	23.2	68.1	18.29	16.0	0.0	0.0	0.0	8.4
25	16.0	29.6	24.0	66.7	18.56	16.3	0.0	0.0	0.0	7.6
26	17.6	27.4	21.7	82.6	21.18	18.4	0.2	0.0	0.2	4.7
27	16.0	28.4	22.5	74.7	19.52	17.1	0.0	0.0	0.0	4.2
28	16.2	30.2	21.4	78.8	19.69	17.2	11.7	0.7	12.4	5.4
29	18.8	26.8	21.1	82.4	20.63	18.0	2.1	34.0	36.1	2.0
30	17.8	26.5	21.7	77.8	19.63	17.1	0.0	0.0	0.0	4.3
31	16.5	28.0	21.8	79.2	20.09	17.5	2.0	0.0	2.0	4.7
PROM	17.0	29.5	22.7	72.4	19.22	16.8	35.0	45.4	80.4	166.7

ESTACION: VENECIA MUNICIPIO: CAICEDONIA AÑO: 1.989

ALTITUD: 1.170 LATITUD: 4-20 N. LONGITUD: 75-55 W

M E S – SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.5	29.0	23.2	71.9	19.48	17.1	0.0	0.0	0.0	8.1
2	17.8	29.2	21.5	79.3	20.17	17.6	0.0	0.0	0.0	5.0
3	16.1	29.9	20.6	79.6	18.90	16.6	16.3	23.2	39.5	6.2
4	18.0	28.8	22.9	73.3	19.72	17.3	3.0	9.5	12.5	7.1
5	17.0	28.2	21.2	87.4	21.75	18.8	0.2	3.8	4.0	0.3
6	17.8	26.4	21.0	79.9	19.49	17.1	0.0	0.0	0.0	1.2
7	18.0	27.8	22.9	78.4	21.24	18.4	0.0	0.0	0.0	4.0
8	17.0	27.6	21.6	78.8	20.03	17.5	0.6	0.0	0.6	5.1
9	16.5	27.5	20.6	82.1	19.60	17.2	0.3	0.0	0.3	3.8
10	16.4	28.4	21.8	77.4	19.38	17.0	0.0	0.0	0.0	4.5
11	18.0	28.0	22.3	74.6	19.63	17.2	0.0	3.1	3.1	3.4
12	17.8	29.6	23.4	66.4	18.26	16.0	0.0	2.3	2.3	7.8
13	18.5	28.0	22.4	77.2	20.67	18.0	2.8	0.0	2.8	3.8
14	18.0	27.9	22.3	75.4	19.74	17.3	0.0	0.0	0.0	5.5
15	15.2	30.0	23.0	72.6	19.42	17.0	0.0	0.0	0.0	8.8
16	18.0	29.8	23.9	65.8	18.61	16.3	0.0	0.0	0.0	7.2
17	16.5	30.0	22.2	75.6	19.70	17.3	6.2	0.2	6.4	6.0
18	18.5	26.2	21.1	81.2	20.20	17.7	10.5	0.0	10.5	4.2
19	15.4	26.5	21.3	72.6	17.52	15.4	0.1	2.0	2.1	4.5
20	18.2	24.2	20.8	81.9	20.10	17.6	0.1	0.1	0.2	0.7
21	18.5	26.4	20.8	79.5	19.56	17.2	4.4	43.6	48.0	3.0
22	16.5	23.8	19.2	85.3	19.00	16.7	7.4	0.0	7.4	0.6
23	15.5	27.2	22.2	76.9	19.65	17.2	0.0	0.1	0.1	5.0
24	17.8	28.4	22.7	76.9	20.45	17.9	0.0	0.1	0.1	4.7
25	17.5	27.0	21.2	78.5	19.43	17.0	1.3	13.6	14.9	6.1
26	17.0	24.0	20.0	84.0	19.31	17.0	0.2	0.0	0.2	2.7
27	16.8	25.0	20.4	82.6	19.61	17.2	0.0	0.5	0.5	1.8
28	17.0	20.5	18.4	91.2	19.33	17.0	2.6	0.3	2.9	0.0
29	16.0	27.2	20.8	80.9	19.49	17.1	0.0	0.0	0.0	4.7
30	16.2	29.1	21.3	81.2	20.46	17.8	0.0	0.0	0.0	6.7
PROM.	17.1	27.4	21.6	78.3	19.66	17.2	56.0	102.4	158.4	132.5

M E S – OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.8	28.2	22.1	76.0	19.53	17.1	0.0	0.0	0.0	3.7
2	17.4	27.0	21.2	82.1	20.51	17.9	0.4	0.4	0.8	2.6
3	17.2	28.2	21.4	76.8	19.15	16.8	0.4	4.0	4.4	4.4
4	17.5	27.4	21.4	75.3	18.94	16.6	0.1	0.4	0.5	3.1
5	16.5	26.2	20.9	78.7	19.15	16.8	0.0	0.0	0.0	2.7
6	15.9	29.8	22.2	74.2	18.90	16.6	0.0	0.0	0.0	7.4
7	18.2	28.8	23.3	69.8	19.03	16.7	0.0	0.0	0.0	6.5
8	16.2	29.0	20.8	83.3	20.37	17.8	1.3	0.0	1.3	4.8
9	17.8	27.8	21.9	74.3	19.00	16.7	0.0	0.0	0.0	4.5
10	17.0	28.0	20.5	80.6	19.29	16.9	16.9	5.1	22.0	3.2
11	16.4	23.8	20.1	79.7	18.20	15.9	5.7	0.6	6.3	1.3
12	17.0	26.0	20.8	82.9	20.09	17.5	0.0	0.0	0.0	2.9
13	17.6	26.9	20.9	87.5	21.65	18.7	1.0	16.8	17.8	3.5
14	18.0	27.2	21.1	80.4	19.77	17.3	0.0	0.0	0.0	3.0
15	16.6	24.4	20.5	86.6	20.57	17.9	1.9	0.0	1.9	2.1
16	16.0	28.4	21.1	80.3	19.57	17.1	0.0	0.0	0.0	5.5
17	18.8	25.9	21.4	81.5	20.71	18.0	0.0	1.5	1.5	0.7
18	16.9	26.8	21.6	78.4	19.81	17.4	0.0	2.6	2.6	4.6
19	17.8	28.4	21.7	75.5	19.16	16.8	0.2	0.0	0.2	4.7
20	16.7	29.9	22.5	73.4	19.26	16.9	0.0	25.9	25.9	7.1
21	17.8	28.0	21.1	82.4	20.47	17.9	0.4	0.0	0.4	4.2
22	16.9	28.2	21.8	79.1	20.11	17.5	6.6	26.1	32.7	6.6
23	17.8	27.2	20.5	82.7	19.91	17.4	7.1	12.2	19.3	4.9
24	18.2	28.0	20.8	82.1	20.26	17.7	16.5	0.0	16.5	4.7
25	17.8	25.3	20.9	83.8	20.44	17.8	0.8	0.4	1.2	3.0
26	17.0	27.0	21.6	81.5	20.75	18.1	0.0	0.0	0.0	3.1
27	17.8	27.1	21.4	79.7	20.04	17.5	2.9	3.0	5.9	1.5
28	18.7	26.0	20.9	82.6	20.52	17.9	0.0	0.0	0.0	0.9
29	16.5	28.2	20.8	82.7	20.19	17.6	4.3	0.0	4.3	4.0
30	18.0	28.5	21.4	80.5	20.28	17.7	5.4	3.9	9.3	4.7
31	17.2	28.9	22.2	73.6	19.20	16.8	0.3	50.3	50.6	6.4
PROM	17.3	27.4	21.3	79.6	19.83	17.3	72.2	153.2	225.4	122.3

ESTACION: VENECIA MUNICIPIO: CAICEDONIA AÑO: 1.989

ALTITUD: 1.170 LATITUD: 4-20 N. LONGITUD: 75-55 W

M E S – NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.8	26.8	21.4	77.1	19.27	16.9	2.7	0.0	2.7	4.9
2	17.6	27.3	22.2	74.0	19.13	16.8	0.2	1.4	1.6	2.5
3	17.2	27.2	21.8	77.7	19.65	17.2	0.0	3.3	3.3	3.1
4	18.8	24.6	20.8	83.5	20.46	17.8	9.8	0.0	9.8	1.0
5	15.2	28.2	22.6	78.2	20.40	17.7	0.0	0.0	0.0	7.7
6	17.8	29.0	23.0	71.7	19.30	16.9	0.0	9.8	9.8	7.6
7	18.0	27.0	21.2	77.9	19.37	17.0	0.8	0.3	1.1	2.7
8	18.2	26.6	22.2	72.9	19.04	16.7	0.9	0.0	0.9	4.6
9	18.0	28.9	22.2	69.1	17.87	15.7	0.0	0.0	0.0	7.2
10	16.8	27.6	22.0	71.1	18.18	16.0	0.0	16.8	16.8	4.7
11	17.4	24.0	19.3	78.0	17.47	15.3	0.2	0.0	0.2	0.1
12	16.0	25.9	20.7	76.6	18.14	16.0	0.0	0.0	0.0	4.6
13	16.5	27.0	20.7	76.0	18.20	16.0	0.0	0.0	0.0	2.1
14	16.4	28.4	22.7	74.6	20.16	17.6	0.0	0.3	0.3	5.4
15	17.8	29.0	23.1	73.7	20.12	17.6	0.0	0.7	0.7	6.8
16	17.6	30.0	22.3	78.1	20.53	17.9	3.4	3.7	7.1	7.1
17	17.0	27.6	21.2	76.9	18.71	16.3	0.6	0.3	0.9	3.7
18	17.5	29.0	22.9	81.0	21.96	18.9	0.2	0.0	0.2	3.8
19	17.8	30.0	23.2	72.6	19.77	17.3	0.0	0.0	0.0	8.1
20	18.6	29.2	23.3	77.2	21.70	18.8	27.0	0.0	27.0	5.2
21	18.0	24.4	20.2	82.5	19.52	17.1	0.7	0.0	0.7	0.6
22	16.8	28.0	21.7	80.1	20.30	17.7	0.0	0.0	0.0	5.7
23	19.2	29.2	23.8	80.0	22.94	19.6	0.0	0.0	0.0	5.6
24	19.3	28.8	21.9	77.1	20.49	17.8	0.2	0.0	0.2	1.5
25	15.8	29.4	21.9	81.6	20.80	18.0	0.0	0.0	0.0	6.4
26	17.2	30.0	23.2	73.7	20.73	18.0	0.0	0.0	0.0	7.6
27	17.8	29.2	22.8	75.4	20.18	17.6	0.0	0.0	0.0	7.0
28	18.8	29.1	22.2	78.7	21.26	18.4	17.6	0.1	17.7	4.7
29	17.8	26.6	21.6	81.8	20.95	18.2	0.4	1.7	2.1	2.2
30	18.8	26.0	22.3	80.4	21.15	18.4	0.0	10.4	10.4	1.9
PROM.	17.6	27.8	22.0	77.0	19.93	17.4	64.7	48.8	113.5	136.1

M E S – DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.8	28.0	21.1	80.4	20.24	17.7	5.1	24.5	29.6	4.4
2	16.8	24.8	19.9	83.8	19.40	17.0	0.2	0.0	0.2	0.6
3	16.9	29.0	21.4	76.7	19.26	16.9	0.0	2.0	2.0	7.4
4	18.0	24.5	20.0	82.3	19.42	17.0	0.0	0.0	0.0	0.9
5	17.5	27.4	20.5	81.0	19.76	17.3	7.6	3.2	10.8	4.4
6	16.8	27.8	21.8	81.2	21.11	18.4	0.0	0.0	0.0	6.0
7	16.5	28.8	22.5	75.3	20.11	17.6	0.0	0.0	0.0	6.3
8	16.8	29.8	23.3	73.6	20.22	17.6	1.9	0.0	1.9	8.1
9	18.4	29.2	23.4	77.8	21.85	18.8	0.0	6.5	6.5	5.4
10	17.5	26.0	21.1	80.1	19.86	17.4	0.0	0.0	0.0	2.1
11	16.6	27.5	22.3	78.4	20.41	17.8	0.0	0.5	0.5	4.9
12	17.4	28.8	22.8	72.4	19.59	17.2	0.0	0.0	0.0	3.6
13	18.8	27.2	22.1	78.7	20.76	18.1	0.0	0.0	0.0	1.7
14	17.5	29.2	22.7	78.5	21.06	18.3	0.0	0.0	0.0	3.6
15	17.2	28.2	21.6	76.4	19.18	16.8	0.0	0.0	0.0	6.9
16	15.4	28.1	21.2	72.9	18.20	16.0	0.0	0.0	0.0	4.5
17	15.1	28.0	21.4	73.5	18.06	15.9	0.0	0.0	0.0	5.9
18	15.5	29.8	21.8	76.8	19.50	17.1	0.0	0.0	0.0	7.3
19	14.8	29.7	21.8	68.2	17.16	15.1	0.0	0.0	0.0	8.9
20	15.0	29.2	22.1	72.0	18.11	15.9	0.0	0.0	0.0	6.6
21	16.5	29.9	23.3	68.0	18.19	16.0	0.0	0.0	0.0	6.2
22	16.4	30.0	22.4	72.1	18.48	16.1	0.0	0.0	0.0	7.8
23	17.2	27.2	20.5	88.4	21.37	18.5	3.9	0.0	3.9	3.4
24	17.9	27.4	20.8	81.4	20.18	17.7	40.9	0.2	41.1	
25	18.0	25.4	20.1	82.1	19.08	16.7	7.5	2.6	10.1	2.3
26	17.5	27.0	21.1	80.1	19.69	17.3	0.0	11.3	11.3	
27	18.0	25.4	21.0	81.0	19.84	17.3	0.1	4.0	4.1	1.3
28	18.1	24.7	20.9	80.8	19.83	17.4	0.3	0.1	0.4	0.9
29	18.0	27.6	22.2	74.1	19.34	17.0	0.0	0.0	0.0	6.1
30	17.0	29.1	22.2	67.3	17.19	15.1	0.0	0.0	0.0	7.3
31	16.7	28.8	21.4	75.2	18.71	16.4	0.0	0.0	0.0	6.5
PROM	17.0	27.9	21.6	77.1	19.52	17.1	67.5	54.9	122.4	

ESTACION: **VENECIA** MUNICIPIO: **CAICEDONIA** AÑO: **1.989**

ALTITUD: **1.170** LATITUD: **4-20 N.** LONGITUD: **75-55 W**

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	17.3	27.6	21.4	15.0	30.0	82.5	20.74	18.1	160.3	19	139.0
FEBRERO	17.1	27.7	21.4	15.0	30.6	82.1	20.57	17.9	115.3	16	125.8
MARZO	16.4	27.7	21.4	13.8	32.1	79.2	19.64	17.2	199.4	19	148.6
ABRIL	17.5	28.4	22.3	15.0	31.1	77.5	20.47	17.8	120.5	14	
MAYO	17.2	27.8	21.8	14.5	30.4	79.7	20.46	17.8	160.3	20	135.6
JUNIO	17.6	27.8	22.3	15.5	30.0	78.6	20.69	18.0	72.4	21	144.1
JULIO	16.6	29.3	22.5	13.8	33.8	72.1	18.82	16.4	44.8	8	
AGOSTO	17.0	29.5	22.7	15.0	32.6	72.4	19.22	16.8	80.4	9	166.7
SEPTIEMBRE	17.1	27.4	21.6	15.2	30.0	78.3	19.66	17.2	158.4	20	132.5
OCTUBRE	17.3	27.4	21.3	15.8	29.9	79.6	19.83	17.3	225.4	21	122.3
NOVIEMBRE	17.6	27.8	22.0	15.2	30.0	77.0	19.93	17.4	113.5	20	136.1
DICIEMBRE	17.0	27.9	21.6	14.8	30.0	77.1	19.52	17.1	122.4	13	
PROMEDIO	17.1	28.0	21.9	14.9	30.9	78.0	19.96	17.4			
TOTAL									1573.1	200	

ESTACION: HERACLIO URIBE MUNICIPIO: SEVILLA AÑO: 1.989

ALTITUD: 1.540 LATITUD: 4-16 N. LONGITUD: 75-55 b.

M E S - ENERO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.0	21.0	16.9	87.3	16.86	14.8	9.8	1.5	11.3	0.5
2	15.2	20.0	17.0	90.2	17.71	15.6	0.9	0.1	1.0	
3	14.8	21.8	18.0	85.3	17.92	15.8	0.0	0.4	0.4	
4	15.7	22.2	18.0	82.3	17.21	15.2	2.6	30.3	32.9	0.0
5	15.0	20.2	17.0	90.3	17.96	15.8	0.1	0.0	0.1	0.6
6	14.6	22.0	17.8	85.0	17.59	15.5	0.0	0.0	0.0	2.2
7	15.2	22.5	17.7	82.9	17.34	15.2	0.0	22.7	22.7	
8	14.5	21.9	17.2	85.3	17.09	15.0	0.0	1.4	1.4	
9	15.0	23.4	17.3	76.5	15.66	13.6	0.0	1.1	1.1	4.2
10	14.7	20.2	16.6	93.5	18.21	15.9	26.2	0.2	26.4	0.8
11	14.0	20.0	16.4	89.8	16.81	14.8	0.2	0.0	0.2	0.6
12	13.5	21.6	17.3	80.1	15.82	13.8	0.0	0.0	0.0	1.9
13	14.7	20.5	16.5	87.5	16.51	14.5	1.8	0.0	1.8	0.4
14	13.8	22.0	16.6	85.5	16.11	14.1	0.0	0.0	0.0	3.2
15	13.4	22.4	16.4	84.2	15.81	13.8	2.6	0.0	2.6	3.8
16	13.6	23.8	18.5	83.0	17.40	15.3	0.0	0.0	0.0	4.1
17	15.8	23.2	19.2	85.0	18.88	16.6	0.0	0.0	0.0	2.4
18	15.2	25.0	18.8	82.9	17.92	15.8	0.0	0.0	0.0	4.9
19	15.0	23.8	18.9	82.2	17.83	15.7	0.0	0.0	0.0	3.3
20	14.8	24.5	18.4	88.5	18.69	16.4	0.0	0.0	0.0	3.4
21	14.6	24.0	18.2	85.2	18.11	15.9	0.3	4.3	4.6	3.3
22	15.0	23.2	18.5	87.2	18.67	16.4	0.0	0.0	0.0	1.9
23	14.9	24.3	18.0	83.6	17.44	15.4	14.3	0.0	14.3	4.6
24	15.0	23.6	18.8	81.9	17.56	15.4	0.0	0.0	0.0	3.5
25	15.4	21.4	17.5	89.8	18.07	15.9	1.0	0.0	1.0	0.0
26	15.0	23.2	18.9	79.6	17.48	15.4	0.3	51.9	52.2	3.6
27	15.2	20.0	16.7	92.6	17.59	15.5	1.6	0.0	1.6	0.0
28	15.4	21.2	17.6	83.2	16.79	14.8	0.0	0.0	0.0	0.9
29	15.5	23.0	18.7	84.2	18.03	15.8	0.0	0.0	0.0	5.0
30	15.8	20.6	18.1	88.6	18.39	16.2	0.4	3.4	3.8	0.1
31	15.0	22.6	17.4	90.8	18.29	16.1	3.8	0.1	3.9	1.8
PROM.	14.8	22.2	17.7	85.6	17.47	15.4	65.9	117.4	183.3	

M E S - FEBRERO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.2	20.4	16.8	90.1	17.17	15.1	0.5	0.1	0.6	0.7
2	15.0	21.8	17.6	86.5	17.30	15.2	0.0	0.5	0.5	1.2
3	14.8	22.0	17.5	84.8	16.90	14.9	0.0	15.8	15.8	1.3
4	13.6	19.5	15.8	86.1	15.34	13.4	0.0	0.0	0.0	0.1
5	13.8	22.2	17.7	83.4	16.72	14.7	0.0	0.0	0.0	3.1
6	14.0	23.6	18.8	84.6	17.84	15.6	0.0	10.5	10.5	4.7
7	14.9	23.4	19.3	81.9	18.11	15.9	0.0	1.6	1.6	3.1
8	15.0	25.0	17.9	85.1	17.63	15.5	12.5	0.0	12.5	2.4
9	15.1	21.4	17.5	89.8	18.11	15.9	9.1	0.0	9.1	1.6
10	15.5	21.0	17.8	91.4	18.43	16.2	0.0	33.5	33.5	0.8
11	15.2	19.2	16.7	93.2	17.79	15.7	2.2	0.0	2.2	0.5
12	14.8	23.6	18.3	83.1	17.39	15.3	0.0	0.0	0.0	4.9
13	14.2	22.8	17.9	87.3	17.76	15.6	0.0	0.0	0.0	2.7
14	14.5	23.4	18.0	84.1	17.17	15.1	10.0	54.0	64.0	4.1
15	14.8	23.0	18.1	84.5	17.59	15.5	0.0	0.0	0.0	3.8
16	15.4	23.4	18.4	81.4	17.29	15.2	0.0	8.4	8.4	4.4
17	14.8	20.5	17.1	84.4	16.55	14.6	0.0	0.0	0.0	1.5
18	14.1	23.9	18.8	71.8	15.83	13.8	5.4	0.0	5.4	4.9
19	14.0	24.0	18.5	82.8	17.71	15.6	0.0	0.0	0.0	4.1
20	14.8	22.2	19.0	85.7	18.64	16.4	0.0	0.3	0.3	0.1
21	15.8	22.6	18.9	83.6	18.08	15.9	0.0	0.0	0.0	1.6
22	15.0	24.0	18.6	82.2	17.71	15.6	1.1	4.7	5.8	2.6
23	15.4	21.0	16.9	90.1	17.49	15.4	16.3	0.0	16.3	0.2
24	13.6	24.2	18.6	81.3	17.14	15.1	0.0	1.3	1.3	7.9
25	15.8	24.1	19.4	83.4	18.62	16.4	0.0	0.0	0.0	1.5
26	16.0	22.9	18.8	89.0	19.49	17.1	3.6	0.0	3.6	1.9
27	15.8	24.9	20.1	84.1	19.51	17.1	0.0	0.0	0.0	4.5
28	16.0	25.0	20.9	83.2	20.31	17.7	0.0	0.0	0.0	3.6
PROM	14.9	22.7	18.2	85.0	17.70	15.6	60.7	130.7	191.4	73.8

ESTACION: HERACLIO URIBE MUNICIPIO: SEVILLA AÑO: 1.989

ALTITUD: 1.540 LATITUD: 4-16 N. LONGITUD: 75-55 W.

M E S – MARZO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.3	27.5	20.6	80.0	19.27	16.9	0.0	0.0	0.0	8.2
2	16.0	26.4	19.8	83.1	19.10	16.8	0.0	0.0	0.0	4.6
3	15.6	23.2	19.0	87.9	19.55	17.1	0.0	1.3	1.3	1.4
4	16.2	24.6	18.3	90.6	19.12	16.8	2.3	8.4	10.7	1.8
5	15.1	18.0	16.5	97.2	18.30	16.1	9.1	0.0	9.1	0.0
6	15.2	24.0	18.8	85.0	18.54	16.3	0.0	0.0	0.0	4.3
7	15.1	23.0	17.5	88.3	18.06	15.9	19.0	1.2	20.2	3.6
8	15.8	23.2	18.0	85.4	18.06	15.9	9.5	0.0	9.5	3.6
9	15.4	23.9	19.1	85.8	18.69	16.4	0.0	0.0	0.0	3.9
10	15.2	24.0	19.0	85.4	18.58	16.4	0.0	0.0	0.0	1.4
11	16.2	22.0	18.0	89.1	18.64	16.4	0.1	0.0	0.1	0.3
12	15.5	22.3	18.5	88.3	18.89	16.6	1.5	0.3	1.8	0.7
13	15.8	22.1	17.3	89.0	17.85	15.7	30.1	47.3	77.4	1.2
14	14.9	19.7	16.9	92.9	17.91	15.7	9.8	0.2	10.0	0.0
15	14.2	21.0	16.6	91.0	17.53	15.4	14.8	28.8	43.6	1.0
16	13.8	19.2	16.7	91.8	17.21	15.1	5.5	0.0	5.5	0.1
17	14.8	23.5	18.9	80.2	17.21	15.1	0.0	0.0	0.0	5.4
18	14.0	24.8	18.8	78.0	17.08	15.0	0.0	0.0	0.0	5.1
19	14.1	24.3	18.5	76.5	16.13	14.1	0.0	0.0	0.0	6.8
20	14.2	22.0	17.8	84.2	17.22	15.2	0.0	0.0	0.0	0.8
21	14.0	24.9	18.6	78.0	16.71	14.7	0.0	0.0	0.0	5.1
22	15.0	24.6	19.0	77.2	16.96	14.9	0.0	0.0	0.0	5.6
23	14.0	25.0	19.5	73.2	16.59	14.5	0.0	3.0	3.0	6.8
24	13.9	23.4	18.9	75.8	16.48	14.4	0.0	0.0	0.0	5.2
25	14.8	24.9	19.7	72.0	16.68	14.6	0.0	0.0	0.0	7.6
26	14.9	20.9	16.4	89.1	17.05	15.0	10.9	0.0	10.9	0.2
27	13.7	21.8	17.8	83.2	16.77	14.7	0.0	12.3	12.3	2.2
28	14.8	18.5	16.0	90.5	16.32	14.3	27.3	0.0	27.3	0.0
29	12.8	24.9	18.4	79.5	16.66	14.6	0.0	0.0	0.0	8.2
30	13.4	25.3	19.4	73.5	16.57	14.5	0.0	0.0	0.0	8.5
31	13.5	24.7	18.6	74.3	15.78	13.8	0.0	0.0	0.0	5.7
PROM.	14.8	23.1	18.3	83.7	17.60	15.4	139.9	102.8	242.7	109.3

M E S – ABRIL

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.0	24.2	18.6	83.9	17.92	15.7	0.0	56.6	56.6	4.0
2	14.7	22.2	18.3	84.3	17.51	15.4	17.3	0.0	17.3	2.8
3	16.2	22.4	18.2	92.4	19.29	16.9	1.5	0.0	1.5	2.8
4	14.9	24.3	19.4	81.9	17.94	15.8	0.0	2.7	2.7	5.3
5	16.1	23.0	18.6	85.8	18.23	16.0	0.0	0.0	0.0	2.1
6	15.5	23.6	19.5	84.3	19.04	16.7	0.0	0.0	0.0	2.0
7	15.8	24.9	19.9	80.4	18.48	16.3	0.0	2.4	2.4	4.4
8	16.4	25.6	19.2	85.1	19.20	16.9	0.4	2.1	2.5	5.8
9	16.7	23.2	19.3	84.6	19.24	16.9	0.4	0.0	0.4	1.1
10	15.0	24.1	19.3	80.4	17.78	15.6	0.0	0.0	0.0	2.5
11	15.7	24.9	20.4	79.8	18.85	16.5	0.0	0.0	0.0	4.5
12	16.0	22.0	18.4	89.2	18.83	16.5	5.4	0.0	5.4	0.4
13	15.8	24.7	19.2	85.8	19.40	17.0	12.3	0.0	12.3	2.8
14	16.8	21.3	18.0	93.0	19.53	17.1	2.5	0.0	2.5	0.0
15	15.4	22.4	17.9	92.9	19.01	16.7	17.2	0.0	17.2	1.7
16	15.2	25.4	20.5	79.5	19.24	16.9	0.0	0.0	0.0	4.2
17	16.0	25.7	20.4	79.1	18.55	16.3	0.0	0.0	0.0	5.3
18	16.2	24.8	20.1	83.0	19.48	17.1	0.0	0.1	0.1	1.0
19	15.9	25.0	19.6	80.8	18.35	16.1	0.0	0.0	0.0	2.7
20	16.2	24.0	20.1	82.4	19.26	16.9	0.0	0.0	0.0	2.3
21	16.5	25.7	20.7	78.6	19.11	16.7	0.6	0.0	0.6	5.9
22	16.4	25.4	20.6	79.4	19.01	16.6	0.0	0.0	0.0	5.2
23	16.8	24.6	20.1	83.2	19.76	17.3	0.3	4.0	4.3	3.3
24	16.9	21.4	18.5	91.3	19.61	17.2	13.5	0.0	13.5	0.2
25	15.0	25.0	20.6	76.2	18.37	16.1	0.0	0.0	0.0	5.5
26	16.5	23.0	18.3	91.0	19.36	17.0	6.0	1.4	7.4	1.4
27	16.6	24.5	19.6	83.0	18.61	16.3	0.0	4.8	4.8	3.9
28	15.7	24.6	19.5	76.3	17.12	15.0	0.0	1.9	1.9	4.4
29	16.0	23.1	19.1	83.6	18.92	16.6	1.3	52.1	53.4	2.9
30	14.7	21.7	18.3	84.0	17.52	15.4	0.0	0.0	0.0	2.0
PROM	15.9	23.9	19.3	83.8	18.75	16.5	78.7	128.1	206.8	92.4

ESTACION: HERACLIO URIBE MUNICIPIO: SEVILLA AÑO: 1.989

ALTITUD: 1.540 LATITUD: 4-16 N. LONGITUD: 75-55 W.

M E S – MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.6	21.6	17.6	95.5	19.71	17.2	8.7	20.6	29.3	0.9
2	14.7	21.7	17.7	87.6	17.76	15.6	0.5	0.0	0.5	3.0
3	15.8	23.1	18.9	83.2	18.25	16.0	0.0	61.9	61.9	3.0
4	13.7	23.3	18.7	75.0	16.43	14.4	0.0	0.2	0.2	4.7
5	14.7	24.7	18.5	83.9	17.78	15.6	4.8	9.0	13.8	3.5
6	15.8	22.0	18.5	91.8	19.47	17.1	0.5	3.0	3.5	0.6
7	15.8	22.5	18.8	84.8	18.39	16.2	4.7	0.0	4.7	2.5
8	15.4	20.4	17.5	91.9	18.47	16.2	11.0	8.7	19.7	0.6
9	15.0	22.5	18.5	88.6	18.73	16.4	0.0	0.0	0.0	2.7
10	15.8	18.8	16.6	96.6	18.32	16.1	27.2	0.0	27.2	0.3
11	13.0	23.0	18.0	87.7	17.90	15.7	0.0	0.0	0.0	6.0
12	15.9	23.5	18.4	84.9	18.25	16.1	12.8	10.8	23.6	2.5
13	14.8	21.0	17.5	89.2	17.75	15.6	2.7	0.0	2.7	1.4
14	15.4	23.5	18.7	86.3	18.60	16.3	0.4	0.0	0.4	3.6
15	16.0	24.2	18.9	84.1	18.47	16.2	0.1	0.0	0.1	5.3
16	16.1	25.5	20.4	79.6	19.21	16.5	0.0	0.0	0.0	7.4
17	15.8	24.6	20.8	81.0	19.89	17.4	0.0	0.0	0.0	5.1
18	17.0	24.0	19.9	79.8	18.67	16.4	0.0	0.6	0.6	2.8
19	16.6	24.2	19.5	86.3	19.61	17.2	0.0	0.0	0.0	4.1
20	16.9	26.0	20.4	80.7	19.50	17.1	0.0	0.0	0.0	7.9
21	16.5	25.0	21.0	81.3	20.40	17.8	0.0	0.0	0.0	4.1
22	16.7	25.5	21.1	82.3	20.37	17.8	0.0	0.0	0.0	3.2
23	16.8	22.6	18.7	88.4	19.35	17.0	5.4	0.0	5.4	0.0
24	16.7	23.5	18.9	85.8	18.89	16.6	0.4	3.3	3.7	3.4
25	16.0	21.8	18.1	86.2	18.15	16.0	19.9	0.2	20.1	2.0
26	15.9	22.0	19.8	84.3	19.39	17.0	0.0	0.0	0.0	1.1
27	15.7	23.8	19.3	84.0	19.12	16.8	0.6	0.0	0.6	3.9
28	16.0	23.1	18.8	88.6	19.36	17.0	0.1	0.0	0.1	3.1
29	15.0	24.2	20.5	73.7	18.01	15.8	0.0	0.0	0.0	5.8
30	15.8	25.3	20.5	78.1	18.72	16.4	0.0	0.0	0.0	7.2
31	16.4	25.1	20.8	83.1	20.24	17.6	0.0	0.2	0.2	3.8
PROM.	15.7	23.3	19.1	85.0	18.81	16.5	99.8	118.5	218.3	105.5

M E S – JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.5	24.4	19.0	88.3	20.06	17.6	3.9	5.0	8.9	4.2
2	15.3	24.0	19.6	83.0	19.14	16.8	0.1	4.9	5.0	3.6
3	16.0	20.8	17.9	85.6	17.68	15.6	0.4	0.0	0.4	1.2
4	14.9	23.4	18.9	86.1	19.22	16.8	1.2	6.9	8.1	4.1
5	16.1	23.0	18.9	85.5	18.78	16.5	0.9	2.6	3.5	2.1
6	15.8	22.8	18.7	86.7	18.69	16.4	0.0	21.5	21.5	2.8
7	15.6	23.6	17.1	91.4	17.92	15.8	1.8	0.0	1.8	2.7
8	15.9	24.2	20.0	80.2	18.60	16.3	0.0	1.7	1.7	5.2
9	16.2	23.3	18.8	87.3	18.98	16.7	9.1	0.3	9.4	2.2
10	16.8	25.0	19.5	83.9	19.18	16.9	0.2	0.0	0.2	4.7
11	16.6	23.3	19.3	88.3	19.95	17.5	0.4	9.7	10.1	2.4
12	16.4	24.4	19.8	85.7	19.61	17.2	0.0	2.1	2.1	5.5
13	15.8	24.0	18.9	79.7	17.25	15.1	0.7	0.6	1.3	2.5
14	15.3	26.1	21.0	78.6	19.51	17.1	0.0	2.1	2.1	9.0
15	16.2	25.1	19.6	78.6	17.80	15.7	0.0	0.0	0.0	6.5
16	15.9	25.2	19.8	79.6	18.38	16.2	0.0	0.0	0.0	7.1
17	16.0	25.0	19.9	80.6	18.82	16.6	0.0	0.0	0.0	3.5
18	15.9	24.0	19.3	83.8	19.16	16.8	1.6	0.8	2.4	3.1
19	16.0	23.1	18.6	87.0	18.72	16.5	11.5	0.0	11.5	3.1
20	15.8	23.7	19.3	83.3	18.53	16.3	0.0	0.0	0.0	2.6
21	16.8	23.2	19.2	84.8	18.96	16.6	0.0	0.8	0.8	2.4
22	16.6	22.9	19.3	87.0	19.53	17.2	0.0	33.2	33.2	3.1
23	15.4	20.0	17.4	93.1	18.80	16.5	2.4	0.0	2.4	0.8
24	15.2	21.2	17.7	89.8	18.46	16.2	0.3	0.7	1.0	2.1
25	14.8	21.3	17.4	86.8	17.28	15.2	2.0	0.0	2.0	2.6
26	14.9	24.0	18.6	83.6	17.84	15.7	0.0	1.3	1.3	3.6
27	15.1	22.3	18.3	86.5	18.17	16.0	0.2	0.0	0.2	2.9
28	15.5	24.9	19.3	79.4	17.69	15.5	0.0	0.0	0.0	9.2
29	15.0	24.8	19.3	77.9	17.89	15.7	2.6	0.0	2.6	7.0
30	15.8	23.0	19.1	85.7	18.95	16.7	0.0	1.8	1.8	2.5
PROM	15.8	23.5	19.0	84.6	18.65	16.4	39.3	96.0	135.3	114.3

ESTACION: HERACLIO URIBE MUNICIPIO: SEVILLA AÑO: 1.989

ALTITUD: 1.540 LATITUD: 4-16 N. LONGITUD: 75-55 W.

M E S - JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	23.1	18.4	84.1	17.81	15.7	0.2	0.0	0.2	3.9
2	15.0	24.2	18.8	82.6	17.94	15.8	0.1	0.0	0.1	8.7
3	14.8	25.9	19.1	79.5	17.54	15.6	0.0	0.0	0.0	8.8
4	14.0	24.0	19.6	81.4	18.27	16.1	0.0	0.0	0.0	4.8
5	15.8	23.0	19.5	80.0	17.87	15.7	0.0	0.0	0.0	3.6
6	16.0	24.2	19.5	79.9	17.89	15.7	0.0	0.0	0.0	5.1
7	15.1	23.9	19.4	79.5	17.75	15.6	0.2	0.0	0.2	5.4
8	15.0	24.0	19.7	74.6	17.15	15.1	0.0	0.0	0.0	6.0
9	14.2	23.5	19.3	79.3	17.53	15.4	0.0	0.0	0.0	5.2
10	14.7	26.0	20.1	79.8	18.87	16.6	0.0	0.0	0.0	7.0
11	14.2	26.1	19.9	72.8	16.54	14.4	0.0	0.0	0.0	8.6
12	15.0	27.3	20.9	62.4	14.81	12.6	0.0	0.0	0.0	8.5
13	15.6	27.5	20.5	76.8	18.20	16.0	0.0	0.0	0.0	7.2
14	15.0	27.2	21.8	57.2	14.65	12.5	0.0	0.0	0.0	7.2
15	16.2	28.2	21.9	69.1	17.67	15.5	0.0	0.0	0.0	10.2
16	16.4	23.2	20.1	76.4	17.81	15.7	0.0	0.0	0.0	1.4
17	15.4	25.5	19.8	79.9	17.98	15.8	0.0	0.0	0.0	5.4
18	15.8	24.0	19.3	82.4	18.38	16.2	0.0	0.0	0.0	2.2
19	16.1	25.0	19.4	81.7	18.41	16.2	1.2	0.7	1.9	3.5
20	16.4	22.0	18.3	93.0	20.04	17.5	2.8	0.0	2.8	0.4
21	14.9	23.0	18.5	85.1	17.91	15.7	0.0	0.0	0.0	1.9
22	15.5	22.1	18.0	84.7	17.96	15.8	6.5	0.0	6.5	0.5
23	14.9	23.1	18.8	84.1	18.20	16.0	0.2	0.9	1.1	3.5
24	15.9	25.8	19.7	82.6	18.61	16.3	0.0	3.1	3.1	6.8
25	15.4	24.1	18.8	83.1	17.81	15.7	0.0	23.1	23.1	4.7
26	15.0	22.0	17.9	84.8	17.23	15.2	0.2	0.2	0.4	1.0
27	15.8	24.8	19.2	78.2	17.26	15.2	0.0	0.0	0.0	3.5
28	15.7	24.2	19.6	79.5	18.05	15.9	0.0	0.0	0.0	6.5
29	15.8	25.0	20.5	79.7	19.10	16.7	0.0	42.6	42.6	6.7
30	14.0	25.5	20.5	73.9	17.85	15.7	0.0	0.0	0.0	8.5
31	16.6	25.9	20.0	84.4	19.66	17.2	0.2	0.0	0.2	5.6
PROM.	15.4	24.6	19.6	79.1	17.83	15.6	11.6	70.6	82.2	162.3

M E S - AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.7	25.0	19.9	80.5	18.53	16.3	0.0	0.0	0.0	5.4
2	15.0	26.0	19.7	79.3	18.13	15.9	0.0	0.0	0.0	6.4
3	15.1	25.2	19.5	78.0	17.53	15.4	0.0	0.0	0.0	8.6
4	14.8	26.0	19.0	80.6	17.75	15.6	0.0	0.0	0.0	7.9
5	15.2	25.0	19.9	79.0	18.16	15.9	0.0	0.0	0.0	4.9
6	16.0	24.2	19.4	81.5	18.25	16.1	0.0	0.0	0.0	3.6
7	15.4	26.2	20.3	78.5	18.05	15.8	0.0	0.0	0.0	8.8
8	15.5	27.0	20.5	77.1	18.44	16.2	0.0	0.0	0.0	8.6
9	15.8	26.0	18.9	78.6	17.08	15.0	26.1	2.3	28.4	6.2
10	14.5	23.9	18.8	79.7	16.99	14.9	0.0	0.0	0.0	5.9
11	15.4	25.0	19.5	76.2	17.34	15.2	0.0	0.0	0.0	4.8
12	14.9	24.7	20.2	83.7	19.43	17.0	1.2	0.0	1.2	5.6
13	16.0	23.6	19.8	82.3	19.06	16.7	0.0	0.0	0.0	4.3
14	15.8	25.9	20.3	83.3	19.57	17.1	0.0	0.0	0.0	6.5
15	17.0	25.5	21.1	80.4	19.89	17.4	0.0	0.7	0.7	4.4
16	16.8	23.0	19.4	87.1	19.57	17.2	0.0	0.0	0.0	1.3
17	15.8	25.4	20.6	80.8	19.69	17.2	0.0	0.0	0.0	4.8
18	15.7	26.8	20.5	74.9	17.88	15.6	0.0	0.0	0.0	9.2
19	16.5	25.4	20.2	74.9	17.52	15.3	0.0	0.0	0.0	5.0
20	16.4	23.6	18.6	84.2	18.14	16.0	8.8	0.0	8.8	3.0
21	15.8	23.2	18.4	85.2	18.21	16.0	31.8	1.7	33.5	5.3
22	15.4	24.0	19.9	82.6	18.94	16.6	0.0	0.0	0.0	4.7
23	16.2	23.4	18.2	87.0	18.39	16.2	0.0	0.0	0.0	2.4
24	15.7	25.2	19.7	77.8	17.54	15.4	0.0	0.0	0.0	7.6
25	14.9	24.8	20.1	76.8	17.86	15.7	0.0	0.0	0.0	5.3
26	15.9	23.3	18.6	83.6	17.84	15.7	14.8	0.2	15.0	4.5
27	15.7	24.2	19.9	83.6	19.26	16.9	0.0	0.0	0.0	3.6
28	16.0	25.1	19.2	83.8	18.65	16.4	4.6	13.2	17.8	3.6
29	15.8	21.1	17.4	90.3	18.11	15.9	4.8	16.0	20.8	0.9
30	15.0	22.0	17.9	85.9	17.46	15.3	0.0	0.0	0.0	1.6
31	15.3	23.0	19.3	84.7	18.89	16.6	0.4	0.0	0.4	4.5
PROM	15.7	24.6	19.5	81.4	18.33	16.1	92.5	34.1	126.6	159.2

ESTACION: HERACLIO URIBE MUNICIPIO: SEVILLA AÑO: 1.989

ALTITUD: 1.540 LATITUD: 4-16 N. LONGITUD: 75-55 W.

M E S - SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.8	25.0	19.8	81.4	18.57	16.3	0.0	0.0	0.0	6.4
2	15.7	25.3	20.4	77.7	18.33	16.1	0.0	0.0	0.0	5.6
3	15.6	25.5	20.5	79.9	18.92	16.6	0.0	27.6	27.6	5.9
4	15.8	24.0	19.1	82.1	17.89	15.8	0.0	7.2	7.2	7.5
5	15.5	20.5	17.5	93.7	18.89	16.6	5.0	12.4	17.4	0.5
6	15.2	21.2	17.1	93.4	18.42	16.2	4.5	0.0	4.5	0.3
7	15.8	23.0	18.6	88.4	18.90	16.6	0.0	0.0	0.0	2.7
8	15.9	22.6	18.8	84.8	18.55	16.3	0.5	0.0	0.5	3.7
9	15.0	23.0	18.1	92.0	19.10	16.8	2.1	1.0	3.1	3.0
10	15.4	23.8	19.9	85.7	19.76	17.3	0.0	0.0	0.0	3.5
11	15.8	23.9	19.4	82.0	18.27	16.1	0.0	9.7	9.7	2.5
12	15.0	25.0	19.5	83.9	18.95	16.6	0.6	0.0	0.6	6.8
13	16.0	24.2	20.0	79.6	18.22	16.0	4.1	0.0	4.1	2.5
14	15.8	23.8	19.3	83.5	18.55	16.3	0.0	0.0	0.0	3.3
15	15.0	25.2	20.1	79.9	18.49	16.2	0.0	0.0	0.0	7.3
16	16.7	25.0	19.9	79.6	18.46	16.2	0.0	0.0	0.0	6.0
17	15.6	25.0	19.4	81.7	18.52	16.3	10.6	7.5	18.1	5.5
18	15.8	22.8	18.1	88.2	18.48	16.3	5.1	0.7	5.8	3.6
19	14.9	22.9	18.9	86.7	18.87	16.6	2.8	0.9	3.7	4.7
20	15.7	22.4	17.8	89.3	18.37	16.2	0.1	3.8	3.9	1.2
21	15.0	23.2	18.0	86.0	17.64	15.5	2.6	21.8	24.4	2.0
22	14.0	22.8	18.2	85.3	17.78	15.6	11.2	0.1	11.3	2.6
23	14.8	24.0	18.8	83.1	17.77	15.6	0.0	0.7	0.7	5.8
24	16.0	23.0	19.1	82.0	18.27	16.1	0.5	5.9	6.4	3.2
25	15.8	23.8	18.7	87.4	18.82	16.5	0.0	21.4	21.4	6.0
26	15.4	22.2	18.1	92.4	18.92	16.6	0.3	0.0	0.3	2.2
27	15.5	22.0	18.1	86.4	17.80	15.7	0.1	0.0	0.1	1.3
28	15.7	17.8	16.5	95.0	17.95	15.8	4.5	0.0	4.5	0.0
29	14.0	23.9	18.1	88.5	18.29	16.1	0.0	0.0	0.0	4.1
30	15.2	24.8	20.2	79.7	18.77	16.5	0.0	0.0	0.0	5.2
PROM.	15.4	23.4	18.9	85.3	18.48	16.2	54.6	120.7	175.3	114.1

M E S - OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.2	24.7	19.8	80.7	18.57	16.3	0.0	2.4	2.4	3.3
2	15.5	21.8	17.9	89.3	18.54	16.3	2.2	0.0	2.2	1.4
3	15.2	23.0	18.7	85.0	18.22	16.0	0.7	4.4	5.1	2.4
4	15.1	22.5	17.9	87.7	18.08	15.9	1.2	0.7	1.9	3.6
5	15.0	22.0	17.5	87.7	17.55	15.5	0.8	0.1	0.9	2.2
6	14.8	25.0	19.7	81.5	18.59	16.4	0.0	0.0	0.0	7.1
7	16.4	24.2	19.2	86.5	19.35	17.0	0.0	0.0	0.0	4.4
8	14.8	23.5	18.5	83.1	17.82	15.7	14.3	0.0	14.3	2.8
9	15.3	23.2	17.3	88.8	17.63	15.5	11.2	0.1	11.3	4.5
10	15.2	23.4	17.3	88.0	17.43	15.3	33.9	23.6	57.5	2.9
11	14.0	20.0	17.4	92.8	18.22	16.0	12.4	0.6	13.0	0.5
12	15.5	22.3	17.5	90.3	18.18	16.0	0.8	0.0	0.8	2.1
13	15.8	22.2	18.0	88.0	18.09	15.9	5.3	22.0	27.3	1.6
14	15.0	22.3	18.1	87.9	18.43	16.2	26.3	0.0	26.3	1.8
15	15.6	20.2	17.7	92.2	18.76	16.5	2.5	0.0	2.5	1.0
16	15.3	23.5	19.0	84.7	18.19	15.9	0.0	1.3	1.3	3.6
17	16.8	21.5	18.7	91.1	19.51	17.1	5.6	0.7	6.3	0.6
18	15.7	22.5	18.6	88.8	19.13	16.8	0.0	2.3	2.3	2.0
19	16.2	24.2	19.4	80.4	17.86	15.7	0.0	0.0	0.0	5.3
20	16.0	25.5	20.3	80.1	19.15	16.8	0.0	38.6	38.6	8.6
21	15.6	24.2	19.3	81.4	18.42	16.2	0.4	0.0	0.4	4.0
22	16.0	24.0	19.5	79.6	18.13	15.9	0.2	1.6	1.8	3.5
23	16.2	22.0	18.6	89.2	19.04	16.7	0.0	0.5	0.5	1.3
24	16.0	22.5	18.1	87.3	18.24	16.1	11.5	0.1	11.6	3.2
25	16.1	22.3	18.1	87.4	17.96	15.8	0.4	0.0	0.4	2.5
26	15.3	22.2	18.5	85.9	18.27	16.1	5.8	0.2	6.0	1.0
27	16.0	22.0	18.4	86.8	18.51	16.2	9.4	1.6	11.0	2.1
28	16.2	21.0	17.8	92.9	19.12	16.8	6.3	0.0	6.3	1.3
29	15.0	22.2	18.8	86.5	18.73	16.5	11.8	0.0	11.8	2.6
30	16.0	25.3	19.3	87.7	19.87	17.4	0.8	5.9	6.7	6.3
31	15.5	24.5	19.7	85.3	19.27	16.9	1.2	42.4	43.6	7.1
PROM	15.6	22.9	18.5	86.6	18.48	16.2	165.0	149.1	314.1	96.6

ESTACION: HERACLIO URIBE MUNICIPIO: SEVILLA AÑO: 1.989

ALTITUD: 1.540 LATITUD: 4-16 N. LONGITUD: 75-55 W.

M E S – NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.4	22.5	18.0	84.7	17.35	15.3	3.5	0.0	3.5	5.5
2	15.8	23.5	18.4	85.2	18.08	15.8	2.8	1.1	3.9	3.0
3	16.0	23.0	19.0	83.5	18.34	16.1	0.0	10.8	10.8	4.7
4	16.5	20.4	16.9	93.1	18.10	15.9	6.9	0.0	6.9	1.1
5	15.8	23.8	19.0	80.9	17.94	15.7	0.0	0.0	0.0	7.0
6	15.7	24.2	19.3	82.6	18.66	16.4	0.0	3.9	3.9	4.9
7	15.5	21.0	17.7	89.8	18.24	16.0	1.2	2.0	3.2	0.9
8	15.8	21.8	17.8	85.2	17.48	15.4	0.0	0.0	0.0	1.0
9	15.0	24.8	18.4	82.7	17.64	15.5	0.0	0.0	0.0	6.8
10	14.0	23.0	18.4	83.7	17.64	15.5	0.0	7.8	7.8	3.0
11	15.0	19.2	16.0	83.7	15.33	13.3	0.0	0.0	0.0	0.7
12	14.7	21.6	18.4	79.5	17.01	15.0	0.0	0.0	0.0	2.5
13	15.0	22.8	18.5	88.0	18.61	16.4	0.0	0.0	0.0	2.8
14	16.0	23.5	18.9	81.4	17.80	15.7	0.0	0.0	0.0	2.4
15	15.8	24.0	19.3	88.4	19.86	17.4	0.0	1.1	1.1	4.6
16	16.2	24.5	18.2	86.7	18.57	16.3	62.6	6.2	68.8	5.6
17	16.0	22.0	18.3	90.9	19.22	16.9	0.3	0.0	0.3	2.0
18	15.6	24.2	19.2	88.2	19.50	17.1	0.0	0.0	0.0	4.1
19	15.8	25.4	19.9	81.6	19.44	17.1	0.0	0.0	0.0	5.9
20	16.5	24.8	20.4	85.4	20.52	17.9	0.0	1.0	1.0	4.2
21	16.0	20.2	17.6	93.5	19.00	16.7	5.1	0.0	5.1	0.2
22	15.0	22.4	18.8	86.4	18.73	16.5	0.0	0.0	0.0	2.0
23	16.5	24.2	20.1	86.3	20.26	17.7	0.0	0.0	0.0	3.3
24	16.0	24.0	19.3	85.0	19.18	16.8	24.5	0.0	24.5	2.0
25	14.8	23.8	19.1	86.5	19.05	16.7	0.0	0.0	0.0	4.2
26	15.4	24.2	19.5	78.0	17.58	15.5	0.0	0.0	0.0	5.6
27	16.0	25.3	20.4	84.0	19.82	17.3	0.0	0.0	0.0	5.3
28	17.0	24.2	19.4	87.0	19.95	17.5	15.3	0.6	15.9	3.2
29	16.2	24.0	18.3	87.6	18.54	16.3	2.0	3.9	5.9	2.0
30	16.5	22.4	18.8	89.4	19.47	17.1	0.0	56.3	56.3	1.1
PROM.	15.7	23.2	18.7	85.6	18.56	16.3	124.2	94.7	218.9	101.6

M E S – DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.2	23.5	18.3	87.7	18.73	16.5	7.4	75.9	83.3	3.4
2	14.2	21.0	16.7	91.5	17.63	15.5	8.0	0.0	8.0	1.4
3	15.2	23.6	18.5	83.9	18.08	15.9	0.0	3.8	3.8	5.5
4	15.4	19.6	16.4	93.8	17.41	15.4	0.3	0.0	0.3	0.1
5	15.2	22.5	17.7	86.7	17.70	15.6	5.6	1.7	7.3	1.9
6	15.5	23.5	19.2	83.1	18.83	16.5	0.0	0.0	0.0	5.2
7	15.8	23.2	18.8	84.2	18.33	16.1	0.0	0.0	0.0	3.4
8	16.0	24.5	19.8	83.0	18.91	16.6	0.0	0.0	0.0	4.9
9	15.9	23.8	19.5	84.1	19.16	16.8	0.0	3.1	3.1	3.7
10	14.9	22.4	18.4	83.6	17.61	15.5	0.0	0.0	0.0	2.3
11	15.1	23.2	19.0	82.3	17.77	15.6	0.0	0.6	0.6	3.9
12	16.0	24.5	18.9	87.5	19.17	16.8	0.4	0.0	0.4	2.3
13	16.5	22.2	18.7	85.8	18.66	16.4	0.0	0.0	0.0	0.9
14	16.4	24.5	19.7	81.6	18.55	16.3	0.0	0.0	0.0	0.6
15	15.9	23.4	19.2	82.8	18.50	16.3	0.0	0.0	0.0	3.8
16	14.5	22.4	18.2	83.9	17.63	15.5	0.0	0.0	0.0	2.8
17	14.8	23.0	18.5	80.7	17.22	15.2	0.0	0.0	0.0	5.4
18	14.9	24.5	18.6	82.2	17.63	15.5	0.0	0.0	0.0	5.3
19	14.8	24.3	18.5	81.8	17.32	15.3	0.0	0.0	0.0	7.1
20	15.0	24.1	18.7	84.1	18.13	16.0	0.0	0.0	0.0	5.1
21	15.1	24.0	19.5	83.4	18.83	16.6	0.0	0.0	0.0	5.1
22	15.0	25.0	19.3	83.8	18.53	16.3	0.0	0.0	0.0	5.5
23	15.8	22.8	18.3	87.5	18.55	16.3	0.0	0.0	0.0	1.4
24	15.9	21.8	18.4	91.6	19.47	17.1	10.6	0.0	10.6	0.7
25	15.7	21.2	17.7	88.7	18.16	16.0	0.3	0.1	0.4	0.7
26	15.8	22.3	18.2	89.5	18.98	16.7	0.0	4.0	4.0	2.2
27	15.9	21.6	17.8	91.3	18.60	16.4	0.5	3.9	4.0	1.5
28	16.0	21.5	17.9	86.8	17.86	15.7	4.4	0.1	4.5	0.4
29	15.8	23.5	18.7	82.6	17.69	15.6	0.0	2.0	2.0	4.9
30	15.0	24.0	18.5	80.7	17.22	15.2	0.0	0.0	0.0	5.5
31	14.9	23.5	18.6	78.3	16.71	14.7	0.0	0.0	0.0	4.0
PROM	15.5	23.1	18.5	85.1	18.18	16.0	37.5	94.8	132.3	100.9

ESTACION: HERACLIO URIBE MUNICIPIO: SEVILLA AÑO: 1.989

ALTITUD: 1.540 LATITUD: 4-16 N. LONGITUD: 75-55 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	14.8	22.2	17.7	13.4	25.0	85.6	17.47	15.4	183.3	19	
FEBRERO	14.9	22.7	18.2	13.6	25.0	85.0	17.70	15.6	191.4	17	73.8
MARZO	14.8	23.1	18.3	12.8	27.5	83.7	17.60	15.4	242.7	15	109.3
ABRIL	15.9	23.9	19.3	14.0	25.7	83.8	18.75	16.5	206.8	19	92.4
MAYO	15.7	23.3	19.1	13.0	26.0	85.0	18.81	16.5	218.3	20	105.5
JUNIO	15.6	23.5	19.0	14.8	26.1	84.6	18.65	16.4	135.3	25	114.3
JULIO	15.4	24.6	19.6	14.0	26.2	79.1	17.83	15.6	82.2	12	162.3
AGOSTO	15.7	24.6	19.5	14.5	27.0	81.4	18.33	16.1	126.6	9	159.2
SEPTIEMBRE	15.4	23.4	18.9	14.0	25.5	85.3	18.48	16.2	175.3	21	114.1
OCTUBRE	15.6	22.9	18.5	14.0	25.5	86.6	18.48	16.2	314.1	28	96.6
NOVIEMBRE	15.7	23.2	18.7	14.0	25.4	85.6	18.56	16.3	218.9	16	101.6
DICIEMBRE	15.5	23.1	18.5	14.2	25.0	85.1	18.18	16.0	132.3	14	100.9
PROMEDIO	15.4	23.4	18.8	13.9	26.0	84.2	18.24	16.0			
TOTAL									2227.2	215	

ESTACION: MANUEL MALLARINO MUNICIPIO: TRUJILLO AÑO: 1.989

ALTITUD: 1.360 LATITUD: 4-10 N. LONGITUD: 76-21 W.

M E S - ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.5	24.5	19.0	84.8	19.09	16.7	21.9	4.6	26.5	2.1
2	16.4	23.0	19.3	90.0	19.91	17.4	2.4	0.0	2.4	0.5
3	15.5	24.5	20.3	79.8	18.60	16.3	0.0	0.0	0.0	3.4
4	17.2	25.0	20.2	83.2	19.54	17.1	4.3	47.3	51.6	3.5
5	16.8	23.2	19.6	83.7	18.73	16.5	5.4	0.0	5.4	0.2
6	16.0	25.2	20.7	75.8	17.99	15.8	0.0	0.0	0.0	5.1
7	16.4	25.5	20.5	82.2	19.45	17.0	0.0	0.0	0.0	6.2
8	16.5	25.2	19.6	82.3	18.51	16.3	10.8	0.8	11.6	2.4
9	16.8	22.5	18.1	88.0	18.34	16.1	0.0	0.0	0.0	4.4
10	16.5	23.8	19.2	83.2	18.74	16.5	4.9	1.9	6.8	1.5
11	15.4	24.5	19.1	81.4	17.61	15.5	0.2	2.0	2.2	1.8
12	15.8	25.8	20.6	80.2	19.02	16.7	0.0	0.0	0.0	4.3
13	16.6	23.5	19.3	84.3	18.84	16.6	0.1	0.3	0.4	1.4
14	16.0	26.0	20.3	78.1	18.16	16.0	0.0	0.0	0.0	5.4
15	16.8	25.8	20.3	78.6	18.61	16.4	0.0	0.0	0.0	4.6
16	15.5	27.4	21.7	76.2	19.36	17.0	0.0	0.0	0.0	7.3
17	18.0	26.2	21.4	78.1	19.73	17.3	0.0	0.0	0.0	1.6
18	17.8	28.2	22.1	75.8	19.86	17.4	0.0	0.0	0.0	6.1
19	17.4	26.5	21.4	78.2	19.68	17.2	0.0	0.0	0.0	3.9
20	17.8	26.8	21.3	79.4	20.10	17.6	0.0	0.0	0.0	4.9
21	16.5	27.2	20.1	81.9	19.41	17.0	1.0	0.0	1.0	5.0
22	16.8	26.0	20.9	79.9	19.62	17.2	0.0	0.0	0.0	3.8
23	16.8	28.8	19.9	81.0	18.93	16.6	3.6	0.0	3.6	6.3
24	16.5	26.5	21.4	73.7	18.24	16.0	0.0	0.0	0.0	6.7
25	17.4	24.5	20.7	82.3	19.89	17.4	0.0	0.0	0.0	0.7
26	17.0	28.2	21.5	76.0	19.00	16.7	0.0	20.9	20.9	6.3
27	16.8	23.0	19.7	88.1	19.81	17.4	0.0	0.0	0.0	0.0
28	17.0	21.5	19.5	87.2	19.47	17.1	0.0	0.0	0.0	0.9
29	16.4	27.5	21.4	72.1	17.75	15.6	0.0	0.0	0.0	7.7
30	17.8	25.4	21.3	75.6	18.82	16.5	0.0	23.9	23.9	2.6
31	16.3	25.0	18.8	82.1	17.94	15.8	38.6	4.7	43.3	3.8
PROM.	16.7	25.4	20.3	80.7	18.99	16.7	93.2	106.4	199.6	114.4

M E S - FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.8	24.0	19.1	82.5	18.12	15.9	1.8	0.0	1.8	2.8
2	16.6	26.0	19.8	86.6	19.84	17.4	6.6	0.0	6.6	3.3
3	17.0	24.5	19.2	80.3	17.83	15.7	0.0	0.6	0.6	3.5
4	16.5	21.4	18.1	87.0	18.21	16.0	0.0	0.0	0.0	0.0
5	15.5	25.5	20.2	77.2	18.02	15.9	0.0	0.0	0.0	6.1
6	16.2	27.5	21.5	72.4	18.05	15.8	0.0	0.0	0.0	6.5
7	16.8	25.2	21.3	75.7	18.61	16.3	0.0	0.0	0.0	2.1
8	16.5	26.4	20.6	79.2	18.87	16.6	0.0	0.0	0.0	4.3
9	17.5	24.4	20.8	83.1	20.13	17.6	0.0	0.0	0.0	0.0
10	17.0	26.5	20.8	78.2	19.00	16.7	0.0	16.9	16.9	3.8
11	16.8	22.0	19.0	87.8	19.26	16.9	15.0	0.3	15.3	1.9
12	16.4	26.5	21.0	75.3	18.27	16.1	0.0	0.4	0.4	5.2
13	16.3	25.5	20.5	75.6	17.90	15.8	0.0	0.4	0.4	2.6
14	16.5	27.2	21.1	79.4	19.62	17.2	0.0	0.6	0.6	6.6
15	17.5	26.2	20.6	79.1	19.01	16.7	0.0	0.0	0.0	5.0
16	16.6	26.3	20.6	76.7	18.16	16.0	0.0	0.0	0.0	6.2
17	17.2	25.0	19.6	77.3	17.77	15.6	2.2	0.0	2.2	3.2
18	15.2	26.6	21.4	71.2	17.44	15.3	0.0	0.0	0.0	6.7
19	16.0	26.5	21.4	72.2	18.19	16.0	0.0	0.0	0.0	6.4
20	16.6	26.2	21.2	75.9	18.59	16.3	0.0	0.0	0.0	3.3
21	17.8	26.0	21.3	76.1	18.90	16.6	0.0	0.0	0.0	3.4
22	16.5	27.8	20.0	81.8	18.96	16.6	5.2	0.8	6.0	4.5
23	16.2	23.2	18.6	91.1	19.84	17.4	14.7	0.0	14.7	1.2
24	14.5	26.2	20.8	71.3	18.95	16.5	0.0	0.0	0.0	8.3
25	16.8	25.5	21.1	74.4	18.21	16.0	0.0	1.5	1.5	3.6
26	17.5	24.8	21.0	80.7	19.68	17.2	34.2	0.0	34.2	2.9
27	16.2	27.0	21.7	73.5	18.51	16.3	0.0	0.0	0.0	6.8
28	17.0	29.0	23.2	73.2	20.09	17.6	0.0	0.0	0.0	7.2
PROM	16.5	25.7	20.6	78.4	18.64	16.4	79.7	21.5	101.2	117.4

ESTACION: MANUEL MALLARINO MUNICIPIO: TRUJILLO AÑO: 1.989

ALTITUD: 1.320 LATITUD: 4-10 N. LONGITUD: 76-21 W.

M E S - MARZO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	29.4	22.3	71.1	18.43	16.2	0.0	0.0	0.0	7.9
2	17.5	28.8	22.3	72.0	19.02	16.7	0.0	0.0	0.0	7.1
3	16.5	26.0	21.3	76.3	19.20	16.8	0.0	0.0	0.0	2.9
4	17.5	24.5	20.7	74.8	18.23	16.0	0.0	3.3	3.3	3.7
5	16.4	20.8	18.4	91.6	19.33	17.0	3.3	0.0	3.3	0.0
6	15.8	26.0	20.5	74.3	17.59	15.5	0.0	19.8	19.8	2.1
7	16.5	24.0	18.9	85.2	18.55	16.3	12.0	0.0	12.0	1.5
8	16.6	25.5	21.0	76.1	18.70	16.4	0.0	0.0	0.0	4.3
9	15.8	27.0	21.1	73.9	17.89	15.7	0.3	0.0	0.3	5.0
10	17.5	27.2	21.9	72.3	18.58	16.3	0.0	0.0	0.0	5.1
11	16.9	22.0	19.5	89.3	20.22	17.7	32.8	0.0	32.8	0.5
12	16.2	24.0	19.9	86.3	20.12	17.6	0.0	3.3	3.3	3.5
13	16.0	24.2	18.8	87.8	19.14	16.8	11.0	43.6	54.6	2.4
14	16.1	21.6	18.3	87.1	18.24	16.0	4.0	0.3	4.3	0.1
15	15.0	23.4	19.7	79.6	17.88	15.7	2.5	2.5	5.0	0.5
16	16.0	23.0	18.8	84.6	18.36	16.1	17.5	0.0	17.5	0.0
17	15.0	23.4	18.6	81.9	17.62	15.5	0.6	0.0	0.6	5.8
18	15.4	23.0	19.7	79.2	18.17	15.9	0.0	0.0	0.0	4.7
19	16.0	24.0	20.1	78.4	18.40	16.1	0.0	0.0	0.0	8.2
20	15.0	24.5	20.2	79.0	18.67	16.4	0.0	0.0	0.0	3.4
21	14.9	26.8	20.0	76.2	17.92	15.7	0.0	2.2	2.2	7.2
22	15.0	25.5	19.4	74.3	16.44	14.4	0.0	0.0	0.0	7.9
23	14.4	26.4	20.7	72.1	17.44	15.3	0.0	0.0	0.0	8.6
24	14.5	24.5	19.5	79.0	17.74	15.6	0.0	0.0	0.0	3.2
25	14.4	27.4	21.4	69.6	17.02	15.0	0.0	0.0	0.0	9.0
26	14.0	24.2	17.7	87.1	17.61	15.5	0.7	0.0	0.7	4.7
27	14.5	23.5	19.0	79.2	17.25	15.2	0.0	45.4	45.4	3.6
28	14.4	20.5	17.4	89.1	17.63	15.5	5.4	0.0	5.4	0.5
29	13.5	26.3	19.1	77.3	16.86	14.8	0.0	0.0	0.0	8.7
30	14.2	26.4	20.7	70.6	17.13	15.1	0.0	0.0	0.0	8.4
31	15.5	26.2	19.9	76.5	17.41	15.3	0.0	0.0	0.0	7.2
PROM.	15.6	24.8	19.9	79.1	18.15	15.9	90.1	120.4	210.5	137.7

M E S - ABRIL

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1							0.2	14.6	14.8	6.5
2							3.8	0.0	3.8	6.2
3	16.5	23.0	19.7	87.2	19.79	17.3	11.0	9.8	20.8	2.2
4	16.6	25.0	20.1	80.5	18.85	16.6	0.0	1.6	1.6	5.2
5	17.0	23.5	19.3	85.8	19.38	17.0	0.0	0.0	0.0	1.4
6	15.5	25.7	20.5	79.5	19.01	16.7	0.0	0.0	0.0	3.5
7	16.8	27.5	22.1	74.1	19.94	17.4	0.0	0.0	0.0	6.7
8	16.5	27.8	21.6	78.4	20.09	17.6	0.0	0.2	0.2	7.0
9	17.8	23.6	20.4	84.7	20.59	18.0	0.0	0.0	0.0	0.2
10	15.4	26.5	21.1	77.8	19.44	17.1	0.0	0.0	0.0	6.4
11	16.2	26.4	20.5	78.2	18.67	16.4	0.0	0.0	0.0	6.8
12	16.8	25.5	20.0	85.0	20.01	17.5	0.4	0.0	0.4	1.3
13	16.0	27.0	21.9	75.9	19.65	17.2	0.0	8.4	8.4	6.8
14	17.4	24.5	18.8	89.5	20.09	17.5	5.6	0.0	5.6	0.7
15	15.6	24.0	20.5	82.2	19.79	17.3	0.0	0.0	0.0	2.6
16	16.4	27.0	20.9	78.8	19.21	16.9	0.0	0.0	0.0	5.3
17	16.8	27.5	21.1	76.1	18.77	16.5	0.0	0.0	0.0	8.4
18	17.0	25.0	20.7	82.5	20.46	17.9	0.0	0.0	0.0	0.2
19	16.0	26.8	21.0	77.2	19.17	16.9	0.0	0.8	0.8	6.0
20	17.3	25.5	21.3	77.6	19.66	17.2	0.0	0.0	0.0	1.4
21	16.2	27.3	21.3	78.2	20.07	17.5	0.0	0.0	0.0	5.7
22	17.0	28.5	22.8	72.2	20.06	17.6	0.0	0.0	0.0	6.3
23	18.0	26.8	22.2	76.2	20.58	18.0	0.0	0.0	0.0	5.0
24	17.0	23.4	18.8	91.3	20.13	17.6	12.3	0.0	12.3	1.1
25	15.4	27.0	21.5	76.3	19.45	17.0	0.0	0.0	0.0	8.1
26	16.8	25.6	20.1	84.0	20.18	17.7	4.9	0.0	4.9	2.7
27	16.2	26.0	20.5	80.0	19.32	17.0	0.0	0.0	0.0	6.7
28	16.4	25.0	19.8	88.6	21.08	18.2	11.4	0.0	11.4	3.7
29	17.3	25.1	20.0	83.3	19.57	17.2	0.0	24.4	24.4	0.4
30	15.3	23.0	18.8	86.4	18.50	16.3	0.1	0.0	0.1	0.0
PROM	16.5	25.7	20.6	81.0	19.70	17.3	49.7	59.8	109.5	124.5

ESTACION: MANUEL MALLARINO **MUNICIPIO:** TRUJILLO **AÑO:** 1.989

ALTITUD: 1.380 **LATITUD:** 4-10 N. **LONGITUD:** 76-21 W.

M E S - MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.8	21.5	17.2	94.7	19.17	16.8	17.8	4.2	22.0	0.2
2	16.0	22.8	18.1	92.7	19.76	17.2	0.0	0.0	0.0	3.2
3	15.4	23.5	19.0	83.3	18.37	16.1	0.0	4.0	4.0	3.5
4	14.4	25.5	18.7	85.5	18.32	16.1	1.0	4.3	5.3	6.9
5	14.0	25.0	19.6	81.0	18.21	16.0	0.0	10.7	10.7	4.4
6	15.8	22.5	18.5	88.5	18.77	16.5	2.2	29.6	31.8	1.6
7	15.6	23.6	18.7	87.1	19.19	16.8	5.0	30.8	35.8	4.5
8	15.0	22.8	18.8	88.4	19.30	16.9	12.4	9.6	22.0	3.2
9	15.8	24.5	19.5	85.5	19.49	17.1	0.0	0.0	0.0	4.7
10	16.0	22.5	17.7	94.9	19.57	17.1	0.0	0.0	0.0	1.6
11	12.0	24.8	19.7	84.6	19.43	17.0	0.0	0.0	0.0	7.3
12	16.4	25.2	19.1	81.2	18.50	16.3	23.6	4.3	27.9	4.2
13	15.0	22.5	18.6	87.9	18.92	16.6	1.6	0.0	1.6	2.5
14	15.8	24.2	19.8	82.5	19.36	17.0	0.0	0.0	0.0	5.3
15	16.0	26.0	20.6	77.3	18.73	16.5	0.0	0.0	0.0	6.1
16	16.4	27.0	21.3	80.3	20.18	17.6	0.0	0.1	0.1	8.0
17	16.3	26.2	21.6	77.7	19.82	17.4	0.0	0.0	0.0	8.3
18	17.4	24.2	20.1	85.3	20.53	17.9	0.0	0.7	0.7	0.8
19	16.5	25.8	20.8	82.5	20.53	17.9	0.0	0.0	0.0	6.3
20	17.0	27.0	21.8	75.3	19.74	17.3	0.0	0.0	0.0	8.4
21	16.7	26.0	21.4	82.3	21.11	18.4	0.0	0.0	0.0	4.7
22	17.5	26.2	21.5	81.3	20.87	18.2	0.0	0.0	0.0	4.0
23	17.0	24.4	19.8	87.2	20.25	17.7	0.0	0.0	0.0	0.5
24	16.4	23.4	19.3	90.0	20.34	17.7	1.4	3.2	4.6	2.4
25	16.5	22.0	18.4	92.7	19.66	17.2	13.0	3.3	16.3	2.5
26	15.5	24.5	20.6	84.4	20.30	17.7	0.0	0.0	0.0	5.5
27	16.5	25.6	20.4	82.4	20.08	17.5	0.0	0.4	0.4	6.3
28	16.4	25.0	20.1	78.2	18.48	16.3	0.3	0.0	0.3	6.1
29	15.5	25.8	20.2	80.0	19.51	17.1	3.1	0.0	3.1	5.9
30	16.0	27.0	20.9	78.2	19.34	17.0	0.0	0.0	0.0	8.3
31	16.4	26.8	21.9	81.9	21.62	18.8	0.0	2.0	2.0	6.0
PROM.	15.9	24.6	19.8	84.3	19.59	17.2	81.4	107.2	188.6	143.2

M E S - JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.5	26.5	20.4	82.7	20.50	17.9	1.1	11.0	12.1	4.8
2	16.0	24.0	19.7	84.7	19.34	16.9	0.0	0.8	0.8	4.2
3	16.4	21.8	19.5	86.2	19.97	17.5	0.0	0.0	0.0	1.1
4	15.5	25.8	19.7	80.5	18.88	16.6	0.0	0.0	0.0	4.8
5	16.8	24.6	20.0	81.5	19.30	16.9	0.1	0.9	1.0	3.4
6	15.5	24.3	18.9	84.2	18.56	16.3	0.2	0.0	0.2	4.7
7	15.4	21.0	18.3	83.2	17.40	15.3	0.0	0.0	0.0	0.8
8	15.5	25.5	20.6	79.8	19.01	16.7	0.0	0.0	0.0	4.6
9	17.5	24.5	20.1	88.7	21.03	18.3	7.7	0.0	7.7	5.5
10	16.0	26.4	21.4	78.2	20.03	17.5	0.0	2.0	2.0	7.7
11	17.0	26.9	21.1	80.5	20.14	17.6	0.0	0.8	0.8	4.8
12	17.0	24.8	20.5	84.0	20.21	17.6	0.0	1.8	1.8	4.4
13	16.0	24.3	18.7	87.6	19.19	16.8	0.1	0.0	0.1	3.8
14	15.8	26.0	21.4	76.5	19.35	17.0	0.0	0.0	0.0	6.1
15	15.7	25.5	20.5	78.4	19.05	16.7	0.0	0.0	0.0	5.9
16	16.0	26.4	20.8	79.7	19.78	17.4	0.0	0.0	0.0	6.1
17	16.4	24.8	20.2	82.4	19.95	17.5	0.0	4.3	4.3	4.9
18	16.0	24.5	19.7	83.3	19.13	16.8	0.0	0.1	0.1	2.4
19	16.5	24.2	19.5	85.2	19.52	17.1	0.0	0.3	0.3	2.8
20	16.0	25.5	20.1	80.9	19.04	16.7	0.0	0.0	0.0	5.6
21	17.0	24.8	19.7	83.6	19.42	17.1	0.0	0.1	0.1	4.2
22	16.5	23.5	19.7	85.3	19.59	17.2	0.0	8.3	8.3	2.2
23	16.0	22.5	18.4	87.8	18.71	16.4	0.0	0.0	0.0	1.5
24	15.0	23.2	19.3	81.6	18.78	16.5	0.0	0.0	0.0	2.1
25	15.5	22.5	19.0	87.2	19.25	16.9	0.0	0.0	0.0	2.3
26	15.4	25.0	19.3	80.8	18.08	15.9	0.0	0.3	0.3	4.7
27	16.0	22.2	18.5	85.9	18.33	16.1	0.0	0.0	0.0	2.8
28	14.3	25.0	19.3	80.3	17.78	15.7	0.0	0.0	0.0	8.7
29	15.3	26.2	20.6	77.9	18.48	16.3	0.0	5.7	5.7	7.5
30	16.8	24.5	19.8	83.2	19.27	16.9	0.0	0.6	0.6	4.1
PROM	16.1	24.6	19.8	82.7	19.24	16.9	9.2	37.0	46.2	128.5

ESTACION: MANUEL MALLARINO MUNICIPIO: TRUJILLO AÑO: 1.989

ALTITUD: 1.380 LATITUD: 4-10 N. LONGITUD: 76-21 W.

M E S — JULIO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	24.4	19.0	83.4	18.45	16.2	0.1	0.0	0.1	4.4
2	15.4	24.3	18.3	85.0	18.33	16.1	0.9	0.0	0.9	5.0
3	16.6	26.4	20.2	75.8	17.84	15.7	0.0	0.0	0.0	9.0
4	14.4	26.0	20.8	81.2	19.43	17.0	0.0	0.0	0.0	7.9
5	15.5	24.7	19.5	81.8	18.49	16.3	0.0	0.0	0.0	4.6
6	15.4	25.6	20.5	78.2	18.71	16.5	0.0	0.0	0.0	7.6
7	15.0	25.5	20.2	77.1	18.54	16.3	0.0	1.9	1.9	7.1
8	15.8	24.8	20.0	76.8	17.86	15.7	0.0	0.0	0.0	5.8
9	14.8	26.2	21.3	71.4	17.98	15.8	0.0	0.0	0.0	
10	14.6	26.8	20.8	73.4	17.64	15.5	0.0	0.0	0.0	8.6
11	14.4	26.5	20.3	75.3	18.06	15.9	0.0	0.0	0.0	8.4
12	15.0	28.4	21.4	69.5	17.43	15.4	0.0	0.0	0.0	9.9
13	15.1	27.9	21.3	73.8	18.23	16.0	0.0	0.0	0.0	7.0
14	15.4	29.0	20.7	76.7	18.80	16.6	0.0	0.0	0.0	10.0
15	15.5	29.6	21.8	69.7	17.54	15.3	0.0	0.0	0.0	10.1
16	16.4	25.6	20.8	74.0	18.81	16.5	0.0	0.0	0.0	
17	15.5	25.5	20.6	75.2	17.69	15.6	0.0	0.0	0.0	6.2
18	15.6	25.0	20.2	83.1	19.77	17.3	0.0	0.0	0.0	2.2
19	16.3	25.5	19.6	86.7	19.57	17.2	11.2	0.8	12.0	3.9
20	16.5	22.8	18.4	94.2	19.94	17.4	5.1	0.7	5.8	1.1
21	16.6	23.5	19.3	85.3	19.10	16.8	0.3	2.0	2.3	2.2
22	16.5	23.6	18.8	88.1	19.54	17.1	1.2	0.4	1.6	2.6
23	16.7	24.0	19.7	83.2	19.19	16.9	0.0	0.0	0.0	5.9
24	16.5	25.5	19.4	81.6	18.66	16.4	0.2	1.6	1.8	6.0
25	16.0	24.4	20.1	77.8	17.75	15.6	0.0	6.3	6.3	2.6
26	15.4	23.8	19.1	81.5	17.87	15.7	0.2	0.0	0.2	2.7
27	17.0	26.0	20.4	76.5	18.60	16.3	0.0	0.0	0.0	7.8
28	15.6	26.2	20.9	75.3	18.27	16.1	0.0	0.0	0.0	5.7
29	15.4	26.4	20.9	74.4	18.42	16.2	0.0	0.3	0.3	7.5
30	16.0	26.2	20.6	74.5	18.36	16.1	0.0	0.0	0.0	7.6
31	17.0	26.8	21.2	76.7	19.03	16.7	0.0	13.5	13.5	6.6
PROM.	15.7	25.7	20.2	78.6	18.51	16.3	19.2	27.5	46.7	

M E S — AGOSTO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.5	27.0	20.3	78.9	18.68	16.4	0.0	0.0	0.0	4.4
2	15.8	26.8	21.0	74.2	18.33	16.1	0.0	0.0	0.0	8.3
3	15.0	27.0	21.5	71.7	18.40	16.2	0.0	0.0	0.0	8.2
4	14.9	27.5	20.9	73.2	18.06	15.9	0.0	0.0	0.0	8.1
5	15.4	27.2	21.2	75.1	18.58	16.4	0.0	0.0	0.0	6.0
6	17.4	27.4	21.2	73.2	18.42	16.2	0.0	0.0	0.0	6.2
7	15.0	28.0	19.9	78.7	18.46	16.2	0.0	0.0	0.0	7.6
8	16.4	28.4	22.3	70.4	18.58	16.4	0.0	0.0	0.0	9.2
9	17.0	28.2	20.0	77.9	18.19	16.0	6.0	3.9	9.9	6.8
10	14.5	23.5	19.5	81.7	18.34	16.1	0.0	0.0	0.0	3.8
11	16.0	24.5	20.6	79.9	19.07	16.8	0.0	0.0	0.0	2.5
12	14.8	27.0	20.9	78.6	19.00	16.7	0.0	0.0	0.0	6.5
13	16.8	25.0	20.3	77.5	18.67	16.4	0.0	0.0	0.0	0.2
14	15.5	25.6	20.9	77.3	18.76	16.5	0.0	0.0	0.0	4.6
15	16.8	27.0	20.9	77.1	18.64	16.4	0.0	0.0	0.0	5.2
16	16.5	23.6	19.2	86.2	19.26	16.9	0.0	0.0	0.0	0.1
17	15.4	27.0	21.0	74.5	18.25	16.1	0.0	0.0	0.0	7.6
18	15.3	28.0	21.3	74.2	18.45	16.3	0.0	0.0	0.0	6.3
19	15.8	27.0	21.0	79.4	19.16	16.9	0.0	11.7	11.7	5.5
20	16.0	25.0	19.9	81.4	18.45	16.2	0.0	0.0	0.0	4.2
21	15.0	24.5	19.1	82.5	18.04	15.9	0.0	0.9	0.9	2.2
22	15.2	25.0	19.1	84.1	18.71	16.4	0.0	0.0	0.0	2.7
23	16.5	24.4	20.7	88.1	21.42	18.6	0.5	1.4	1.9	0.4
24	16.0	26.5	20.5	79.5	18.79	16.5	0.0	0.0	0.0	8.2
25	15.2	27.2	20.5	76.9	18.11	15.9	0.0	1.2	1.2	6.4
26	16.2	25.5	20.2	76.2	17.71	15.6	0.0	5.4	5.4	5.8
27	15.0	26.0	20.2	78.5	18.28	16.1	0.0	0.0	0.0	5.3
28	16.0	27.2	20.4	81.4	19.31	16.9	3.5	0.3	3.8	5.7
29	17.0	23.2	19.0	88.0	19.46	17.1	15.4	1.0	16.4	1.6
30	16.5	23.6	19.1	81.4	17.97	15.8	3.0	0.0	3.0	2.0
31	16.3	26.2	20.0	81.6	19.11	16.8	0.5	0.0	0.5	1.9
PROM	15.9	26.1	20.4	78.7	18.67	16.4	28.9	25.6	54.7	153.5

ESTACION: MANUEL MALLARINO MUNICIPIO: TRUJILLO AÑO: 1.985

ALTITUD: 1.380 LATITUD: 4-10 N. LONGITUD: 76-21 W.

M E S – SEPTIEMBRE

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	15.7	28.0	21.1	76.6	18.84	16.6	0.0	0.0	0.0	7.6
2	17.0	27.5	22.7	69.9	18.97	16.6	0.0	0.0	0.0	
3	16.4	28.3	21.7	76.5	19.43	17.0	0.0	3.5	3.5	7.6
4	16.5	26.0	20.6	80.2	19.39	17.0	4.6	4.5	9.1	
5	17.4	23.0	19.3	89.6	20.04	17.5	4.3	3.3	7.6	
6	17.0	23.5	19.5	84.9	19.29	16.9	0.0	0.0	0.0	0.1
7	16.9	25.0	20.1	81.9	19.12	16.7	0.3	0.0	0.3	2.6
8	16.4	26.0	20.6	77.4	18.88	16.6	0.1	0.0	0.1	4.6
9	16.5	24.6	19.8	85.4	19.64	17.2	0.0	0.0	0.0	1.8
10	16.0	23.4	19.9	81.8	18.83	16.6	0.0	0.0	0.0	5.2
11	16.8	26.0	20.8	77.8	18.96	16.7	0.6	0.0	0.6	3.3
12	16.4	28.0	21.6	74.9	19.19	16.9	0.0	24.6	24.6	7.5
13	16.5	26.0	20.3	76.1	18.09	15.9	0.1	1.9	2.0	4.6
14	16.0	25.5	20.0	76.2	17.89	15.7	0.0	0.0	0.0	3.3
15	15.5	29.0	21.2	76.5	19.01	16.7	0.0	0.0	0.0	8.9
16	16.8	27.8	21.4	78.4	19.83	17.4	0.0	0.0	0.0	7.2
17	17.0	27.3	21.4	78.3	20.15	17.6	0.3	0.7	1.0	5.4
18	17.4	25.5	20.5	78.9	18.80	16.5	0.0	0.0	0.0	2.3
19	16.5	25.0	20.1	82.6	19.32	17.0	0.0	0.6	0.6	3.4
20	16.3	23.6	18.2	89.8	19.03	16.7	1.8	1.1	2.9	1.6
21	16.1	25.0	20.1	80.7	18.82	16.5	0.0	3.8	3.8	5.1
22	16.0	23.5	18.3	90.1	19.16	16.8	1.2	0.5	1.7	0.3
23	15.0	25.7	21.1	76.5	18.56	16.3	0.0	0.0	0.0	6.0
24	17.4	26.5	21.0	76.3	18.74	16.5	0.0	1.3	1.3	4.4
25	16.5	26.0	20.6	77.2	18.59	16.3	0.0	6.5	6.5	4.4
26	17.0	25.0	19.1	86.6	19.26	16.9	2.8	1.6	4.4	2.3
27	16.4	25.2	20.3	74.8	17.77	15.6	0.0	13.7	13.7	4.5
28	16.3	22.5	18.5	88.1	18.90	16.6	5.2	0.0	5.2	2.0
29	15.4	26.0	20.3	78.3	18.43	16.2	0.0	0.0	0.0	4.9
30	16.8	27.5	21.5	74.7	19.03	16.7	0.0	0.0	0.0	6.5
PROM.	16.5	25.7	20.4	79.9	19.00	16.7	21.3	67.6	88.9	

M E S – OCTUBRE

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.5	28.0	21.5	75.6	19.40	17.0	0.0	0.4	0.4	7.2
2	17.0	25.0	19.5	82.0	18.78	16.5	0.3	0.2	0.5	4.4
3	15.5	25.5	19.9	75.8	17.99	15.7	0.2	4.1	4.3	4.6
4	16.0	24.0	19.6	85.6	19.28	16.5	0.0	12.8	12.8	3.8
5	15.4	24.2	19.0	84.1	18.62	16.4	0.0	0.0	0.0	2.3
6	15.5	27.0	20.7	77.6	18.69	16.4	0.0	0.0	0.0	6.4
7	16.4	26.6	20.1	81.5	19.02	16.7	0.0	0.0	0.0	6.4
8	15.6	26.0	18.9	83.8	18.78	16.5	32.2	3.3	35.5	4.4
9	15.0	24.8	20.1	80.4	18.67	16.4	3.7	1.7	5.4	3.8
10	15.4	25.0	19.9	84.6	19.65	17.2	0.0	35.7	35.7	2.7
11	15.5	22.5	18.1	91.4	18.91	16.6	9.7	1.1	10.8	0.4
12	16.3	23.4	18.3	86.7	18.36	16.2	1.2	0.0	1.2	1.5
13	15.2	23.8	18.9	85.5	18.66	16.4	7.6	0.7	8.3	2.5
14	16.0	23.9	18.5	87.2	18.59	16.4	1.9	0.0	1.9	2.5
15	15.5	23.8	18.7	88.5	19.17	16.8	0.2	0.0	0.2	
16	15.2	25.5	18.8	82.2	17.88	15.7	0.0	0.0	0.0	
17	16.8	25.4	19.8	85.3	19.90	17.4	0.0	2.5	2.5	2.4
18	16.0	24.0	19.4	86.7	19.65	17.2	0.0	0.3	0.3	1.6
19	16.4	26.5	20.3	82.3	19.50	17.1	0.0	0.0	0.0	6.9
20	17.0	27.5	21.7	74.6	19.09	16.8	0.0	0.0	0.0	6.7
21	16.4	25.5	19.4	84.4	19.07	16.7	0.0	0.0	0.0	1.7
22	16.0	25.4	19.6	79.0	18.14	15.9	8.4	0.0	8.4	
23	16.8	25.5	19.3	86.2	19.51	17.1	4.4	2.3	6.7	3.2
24	16.5	24.5	19.7	83.3	19.15	16.8	1.1	0.1	1.2	4.1
25	16.7	25.6	19.5	87.7	19.90	17.4	1.6	0.0	1.6	2.9
26	16.9	25.5	19.8	88.7	20.56	17.9	3.9	0.0	3.9	2.6
27	16.2	23.5	19.7	84.9	19.70	17.3	0.0	4.7	4.7	0.3
28	17.4	24.2	19.5	91.6	21.20	18.4	2.1	1.2	3.3	2.2
29	16.3	25.5	20.9	82.4	20.29	17.7	0.0	0.0	0.0	3.3
30	16.8	27.0	20.7	80.6	19.94	17.5	5.5	1.1	6.6	3.2
31	16.5	27.2	20.8	79.3	19.12	16.8	0.0	7.6	7.6	5.4
PROM	16.2	25.2	19.7	83.5	19.20	16.8	84.0	79.6	163.8	

ESTACION: MANUEL MALLARINO MUNICIPIO: TRUJILLO AÑO: 1.989

ALTITUD: 1.380 LATITUD: 4-10 N. LONGITUD: 76-21 W.

M E S - NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.5	24.4	19.6	83.4	18.76	16.5	0.7	0.0	0.7	2.7
2	17.0	26.4	20.0	83.9	19.42	17.0	5.0	0.0	5.0	2.2
3	17.2	26.8	20.2	86.1	20.35	17.8	6.7	3.2	9.9	3.3
4	17.4	25.4	20.0	74.6	17.03	14.9	6.6	0.0	6.6	2.2
5	15.5	26.3	20.4	80.6	19.17	16.8	0.0	0.0	0.0	6.3
6	16.0	25.8	21.4	85.4	21.30	18.4	0.2	31.3	31.5	3.2
7	15.6	23.5	18.8	86.9	18.60	16.3	0.4	1.9	2.3	2.0
8	16.0	24.5	19.3	83.3	18.59	16.4	3.1	0.0	3.1	2.7
9	16.5	26.8	19.5	77.0	17.65	15.5	0.0	0.0	0.0	8.4
10	15.5	25.0	18.5	90.4	19.47	17.0	4.0	1.9	5.9	5.0
11	15.4	20.2	17.6	85.0	17.13	15.1	0.0	0.0	0.0	0.0
12	15.0	26.2	18.9	75.6	16.61	14.5	0.0	0.0	0.0	4.1
13	16.2	25.0	20.1	76.1	17.82	15.6	0.0	0.0	0.0	4.1
14	15.8	26.6	20.9	77.3	19.30	17.0	0.5	0.0	0.5	5.4
15	17.0	27.6	20.4	79.6	18.89	16.5	0.4	0.0	0.4	6.0
16	16.5	28.0	21.9	77.8	20.47	17.8	0.0	43.8	43.8	5.2
17	16.6	25.0	20.2	83.8	19.42	17.0	2.2	0.0	2.2	3.7
18	16.8	26.5	21.7	80.4	20.52	17.9	0.0	0.0	0.0	4.4
19	16.4	27.5	21.8	77.2	19.89	17.4	0.0	0.0	0.0	7.2
20	17.8	27.3	21.0	85.5	21.37	18.5	1.3	15.9	17.2	4.8
21	16.4	21.8	18.6	90.4	19.54	17.1	0.0	0.0	0.0	0.1
22	15.8	27.0	20.4	83.8	20.12	17.6	21.8	0.3	22.1	3.0
23	17.4	26.2	21.4	79.9	20.07	17.6	0.0	0.0	0.0	4.1
24	17.2	24.5	20.2	85.9	20.37	17.8	1.7	0.0	1.7	0.9
25	16.0	26.2	20.6	80.8	19.45	17.0	0.0	0.0	0.0	6.0
26	16.1	26.5	21.3	78.3	19.52	17.1	0.0	0.0	0.0	5.4
27	16.8	28.5	20.8	81.5	20.04	17.5	0.0	0.0	0.0	6.4
28	17.0	26.5	20.3	86.0	21.21	18.4	3.2	4.8	8.0	3.9
29	16.8	24.5	20.0	86.9	20.33	17.7	0.0	6.4	6.4	2.3
30	17.0	25.4	20.3	79.7	18.94	16.6	0.0	0.0	0.0	3.8
PROM.	16.4	25.7	20.2	82.1	19.38	16.9	57.8	109.5	167.3	118.8

M E S - DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	26.2	20.0	86.5	20.23	17.7	0.0	0.0	0.0	2.0
2	16.0	22.5	18.1	88.2	18.36	16.2	3.5	48.4	51.9	0.4
3	15.5	25.0	19.6	82.3	18.59	16.4	0.0	0.0	0.0	4.7
4	16.5	22.0	18.4	90.2	19.01	16.7	6.6	25.1	31.7	0.7
5	15.8	24.8	19.2	86.0	19.07	16.8	0.0	0.0	0.0	4.1
6	16.0	25.8	20.0	81.0	19.01	16.7	0.0	0.0	0.0	3.9
7	16.5	27.0	21.4	78.5	19.97	17.5	0.0	0.0	0.0	6.6
8	18.0	27.4	21.6	78.3	20.22	17.7	0.0	20.4	20.4	7.2
9	17.2	27.5	21.2	82.0	20.57	17.9	0.0	0.0	0.0	7.2
10	16.0	25.2	20.1	83.4	19.31	16.9	0.0	0.0	0.0	1.7
11	17.5	26.0	20.5	83.4	20.29	17.7	0.1	0.4	0.5	4.2
12	17.3	26.3	20.1	85.7	20.33	17.8	0.1	0.0	0.1	3.9
13	18.0	24.6	20.5	86.1	20.97	18.3	0.0	0.0	0.0	1.9
14	17.5	26.2	21.1	79.5	20.08	17.6	0.0	0.0	0.0	1.2
15	16.5	26.8	20.9	75.6	18.33	16.1	0.0	0.0	0.0	6.2
16	15.5	25.5	19.6	80.3	18.23	16.1	0.0	0.0	0.0	3.2
17	15.6	24.8	20.5	74.7	17.95	15.8	0.0	0.0	0.0	5.8
18	16.0	27.6	21.4	76.9	19.06	16.7	0.0	0.0	0.0	7.3
19	16.1	28.0	21.1	75.2	18.39	16.2	0.0	0.0	0.0	7.8
20	16.0	27.5	20.8	78.4	19.04	16.7	0.0	0.0	0.0	7.1
21	16.2	28.4	21.3	78.4	19.48	17.1	0.0	0.0	0.0	7.2
22	16.5	27.2	21.2	79.9	20.02	17.5	0.0	0.0	0.0	5.3
23	17.5	23.8	20.4	84.5	20.36	17.8	0.0	2.4	2.4	0.2
24	17.0	25.8	18.9	87.7	19.38	17.0	2.3	0.0	2.3	1.0
25	15.6	25.2	19.5	85.7	19.65	17.2	3.6	0.9	4.5	2.6
26	16.6	23.5	19.3	91.3	20.36	17.8	3.4	0.6	4.0	1.3
27	16.5	25.2	19.3	86.6	19.68	17.2	3.4	0.0	3.4	1.1
28	16.3	21.5	18.3	88.5	18.86	16.6	0.0	0.0	0.0	0.3
29	15.5	25.1	19.5	83.6	18.90	16.6	0.0	0.0	0.0	3.2
30	15.4	26.8	20.0	76.2	17.67	15.5	0.0	0.0	0.0	6.0
31	16.5	26.5	20.2	74.9	17.33	15.2	2.3	0.0	2.3	4.5
PROM	16.5	25.7	20.1	82.2	19.31	16.9	25.3	98.2	123.5	119.8

ESTACION: MANUEL MALLARINO MUNICIPIO: TRUJILLO AÑO: 1.989

ALTITUD: 1.380 LATITUD: 4-10 N. LONGITUD: 76-21 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	16.7	25.4	20.3	15.4	28.8	80.7	18.99	16.7	199.6	13	114.4
FEBRERO	16.5	25.7	20.6	14.5	29.0	78.4	18.64	16.4	101.2	13	117.4
MARZO	15.6	24.8	19.9	13.5	29.4	79.1	18.15	15.9	210.5	16	137.7
ABRIL	16.5	25.7	20.6	15.3	28.5	81.0	19.70	17.3	109.5	14	124.5
MAYO	15.9	24.6	19.8	12.0	27.0	84.3	19.59	17.2	188.6	17	143.2
JUNIO	16.1	24.6	19.8	14.3	26.9	82.7	19.24	16.9	46.2	17	128.5
JULIO	15.7	25.7	20.2	14.4	29.6	78.6	18.51	16.3	46.7	12	
AGOSTO	15.9	26.1	20.4	14.5	28.4	78.7	18.67	16.4	54.7	10	153.5
SEPTIEMBRE	16.5	25.7	20.4	15.0	29.0	79.9	19.00	16.7	88.9	18	
OCTUBRE	16.2	25.2	19.7	15.0	26.0	83.5	19.20	16.8	163.8	23	
NOVIEMBRE	16.4	25.7	20.2	15.0	28.5	82.1	19.38	16.9	167.3	17	118.8
DICIEMBRE	16.5	25.7	20.1	15.4	28.4	82.2	19.31	16.9	123.5	11	119.8
PROMEDIO	16.2	25.4	20.2	14.5	28.5	80.9	19.03	16.7			
TOTAL									1500.5	181	

ESTACION: JULIO FERNANDEZ MUNICIPIO: RESTREPO AÑO: 1.989

ALTITUD: 1.360 LATITUD: 3-49 N. LONGITUD: 76-31 W.

M E S – ENERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.4	23.2	19.2	90.5	20.38	17.8	0.0	5.1	5.1	0.7
2	17.3	22.5	19.1	86.5	19.21	16.9	23.5	0.7	24.2	1.0
3	16.8	25.2	19.5	85.1	19.36	17.0	0.0	0.0	0.0	2.6
4	16.7	25.0	19.6	86.4	19.72	17.3	0.0	5.5	5.5	3.2
5	17.0	23.2	19.0	88.1	19.48	17.1	0.4	0.0	0.4	0.1
6	17.1	24.8	19.5	85.4	19.74	17.3	0.2	0.1	0.3	3.5
7	17.4	25.6	20.1	85.9	20.57	18.0	0.0	2.1	2.1	6.4
8	16.6	25.5	19.6	83.4	19.09	16.8	0.0	0.0	0.0	3.7
9	15.8	25.4	19.5	84.8	19.45	17.1	0.0	3.9	3.9	5.7
10	16.8	25.5	19.4	86.9	19.96	17.5	0.9	0.3	1.2	0.0
11	16.4	24.2	19.2	84.6	19.02	16.7	0.0	0.0	0.0	0.7
12	16.3	25.5	19.7	83.3	19.24	16.9	0.0	0.0	0.0	7.1
13	16.9	24.9	19.3	87.1	19.59	17.2	0.0	0.0	0.0	1.9
14	16.7	26.2	20.0	82.7	19.47	17.1	0.0	0.0	0.0	5.0
15	17.4	25.8	20.0	81.5	19.35	17.0	0.0	0.0	0.0	5.4
16	15.6	25.5	20.3	83.6	20.02	17.5	0.0	0.0	0.0	6.3
17	16.0	26.5	19.9	84.0	19.47	17.1	0.0	0.0	0.0	6.8
18	17.0	26.3	20.5	83.6	20.31	17.8	0.0	0.0	0.0	6.4
19	17.8	26.4	20.3	82.9	20.11	17.6	0.0	0.0	0.0	5.4
20	16.6	26.5	20.6	80.5	19.71	17.3	0.0	0.0	0.0	7.8
21	17.4	26.4	20.3	81.6	19.77	17.3	0.0	0.0	0.0	6.9
22	16.6	26.3	20.3	84.1	20.07	17.6	0.0	0.0	0.0	4.9
23	17.8	27.0	21.1	82.8	20.67	18.0	0.0	2.3	2.3	6.4
24	17.0	26.4	21.0	82.1	20.36	17.8	0.0	0.0	0.0	4.4
25	16.8	24.4	19.9	86.2	20.19	17.7	0.0	0.0	0.0	0.0
26	16.6	26.5	20.5	83.5	20.28	17.7	0.0	4.5	4.5	7.7
27	17.0	24.8	19.7	85.9	19.76	17.3	0.0	0.0	0.0	2.1
28	17.4	23.2	19.8	85.1	19.79	17.4	0.2	0.0	0.2	0.0
29	15.5	26.4	20.4	82.2	19.60	17.2	0.0	0.0	0.0	7.8
30	18.0	26.6	20.7	82.1	20.13	17.6	0.0	0.0	0.0	5.4
31	17.0	25.2	19.3	83.4	18.78	16.5	0.7	2.2	2.9	4.6
PROM.	16.9	25.4	19.9	84.4	19.76	17.3	25.9	26.7	52.6	129.9

M E S – FEBRERO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.0	24.7	19.3	84.9	18.97	16.7	0.0	0.0	0.0	4.0
2	17.0	25.2	19.5	81.8	18.68	16.4	0.0	0.0	0.0	1.2
3	16.0	27.0	19.5	82.5	18.81	16.5	0.0	11.7	11.7	5.0
4	16.3	24.3	19.2	87.7	19.67	17.2	0.2	0.0	0.2	0.4
5	15.7	26.4	20.1	82.2	19.34	17.0	0.0	0.0	0.0	4.8
6	14.9	26.5	19.8	83.8	19.30	16.9	0.0	0.0	0.0	7.3
7	16.7	26.4	20.5	81.4	19.74	17.3	0.0	0.0	0.0	
8	17.3	28.0	21.3	80.3	20.12	17.6	16.0	0.0	16.0	4.8
9	16.5	24.7	19.0	91.3	20.27	17.7	0.0	0.0	0.0	1.1
10	15.4	26.3	19.6	83.5	18.89	16.6	0.0	7.3	7.3	3.8
11	17.3	24.0	19.7	86.0	19.83	17.4	0.5	0.4	0.9	0.3
12	16.8	25.3	19.4	83.0	18.78	16.5	0.0	0.5	0.5	4.6
13	15.3	25.8	19.7	81.2	18.39	16.2	0.0	0.0	0.0	8.2
14	15.6	25.4	19.1	85.7	19.00	16.7	0.0	17.2	17.2	4.2
15	16.8	26.0	19.4	89.1	20.22	17.7	0.0	0.3	0.3	1.5
16	17.0	25.8	20.1	83.3	19.86	17.4	0.1	3.9	4.0	5.7
17	16.7	26.3	20.2	79.6	18.72	16.5	0.0	0.0	0.0	8.8
18	16.3	27.5	20.6	83.6	20.41	17.8	0.0	0.0	0.0	7.3
19	17.4	26.5	20.8	76.7	18.72	16.4	0.0	0.0	0.0	5.6
20	17.3	25.6	19.8	81.6	18.97	16.7	0.0	0.0	0.0	2.4
21	17.8	26.4	20.4	82.0	19.83	17.4	0.0	0.0	0.0	4.5
22	14.7	26.8	20.5	82.3	19.37	16.9	0.0	3.9	3.9	9.0
23	17.0	24.4	19.3	85.5	19.29	16.9	7.9	0.0	7.9	0.7
24	15.4	27.4	19.4	85.3	19.41	17.0	0.0	0.0	0.0	6.6
25	15.6	27.6	20.5	80.7	19.06	16.7	12.1	0.0	12.1	3.8
26	17.8	26.2	20.2	81.4	19.19	16.8	0.0	0.0	0.0	3.2
27	17.5	27.3	21.0	79.9	19.72	17.3	0.0	0.0	0.0	7.5
28	18.4	28.0	21.7	78.8	20.20	17.6	0.0	0.0	0.0	7.2
PROM	16.5	26.1	20.0	83.0	19.38	17.0	36.8	45.2	82.0	

ESTACION: JULIO FERNANDEZ MUNICIPIO: RESTREPO AÑO: 1.989

ALTITUD: 1.360 LATITUD: 3-49 N. LONGITUD: 76-31 W.

M E S - MARZO

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	18.8	28.2	21.9	80.2	21.01	18.3	0.0	0.0	0.0	8.1
2	18.0	27.0	21.1	80.5	20.35	17.8	0.0	0.0	0.0	7.1
3	17.6	27.8	20.9	82.5	20.35	17.8	0.0	0.0	0.0	5.8
4	17.0	26.5	21.4	84.1	21.52	18.7	3.2	5.4	8.6	1.3
5	17.7	23.2	19.5	87.3	19.84	17.4	17.5	0.0	17.5	0.5
6	15.9	26.4	19.8	82.9	18.93	16.7	0.0	0.0	0.0	3.8
7	16.8	25.4	19.9	84.9	19.81	17.3	1.9	4.7	6.6	1.1
8	16.0	26.0	20.2	82.9	19.43	17.0	0.0	0.0	0.0	4.8
9	16.7	25.7	20.2	82.4	19.32	17.0	0.0	0.0	0.0	5.6
10	18.0	26.4	20.5	83.6	20.44	17.9	0.0	0.8	0.8	6.9
11	17.0	25.3	20.2	84.7	20.16	17.6	0.2	0.1	0.3	0.5
12	16.6	25.2	19.5	87.3	20.03	17.5	0.0	0.0	0.0	3.3
13	17.1	25.3	20.2	80.0	18.85	16.6	0.5	11.1	11.6	2.0
14	16.4	24.2	18.8	84.5	18.20	16.0	0.6	0.0	0.6	2.4
15	16.0	25.5	19.3	81.5	18.35	16.1	0.0	0.0	0.0	4.8
16	16.5	24.3	18.8	85.2	18.49	16.3	5.2	0.0	5.2	1.5
17	13.6	26.3	18.6	82.5	17.63	15.5	0.0	0.0	0.0	7.1
18	16.8	25.8	19.6	80.1	18.46	16.2	0.0	0.0	0.0	6.2
19	12.7	25.4	18.7	79.7	16.70	14.6	0.0	0.0	0.0	8.7
20	16.0	25.7	19.4	79.2	17.57	15.4	0.0	0.0	0.0	5.9
21	15.9	26.5	19.8	77.6	17.51	15.4	0.0	0.0	0.0	9.3
22	14.5	26.4	19.5	77.3	16.97	14.9	0.0	0.0	0.0	9.4
23	14.4	26.8	19.5	80.0	17.81	15.7	0.0	0.5	0.5	
24	13.5	25.0	19.0	82.1	17.82	15.6	0.0	0.0	0.0	2.8
25	12.0	27.0	19.1	80.4	17.33	15.2	0.0	0.0	0.0	7.7
26	13.8	25.4	19.3	78.7	17.62	15.5	0.0	0.0	0.0	6.4
27	14.6	25.5	19.4	81.7	18.33	16.1	0.0	0.0	0.0	5.9
28	16.0	26.2	19.7	81.6	18.52	16.3	0.0	0.0	0.0	3.2
29	12.6	25.8	18.5	80.5	16.76	14.7	0.0	0.0	0.0	7.8
30	11.8	27.3	19.3	80.6	17.57	15.4	0.0	0.0	0.0	6.4
31	13.7	26.1	19.1	79.6	17.17	15.1	0.0	0.0	0.0	8.4
PROM.	15.6	25.9	19.7	81.8	18.67	16.4	29.1	22.6	51.7	

M E S - ABRIL

DIA	TEMPERATURA oC			Humedad relativa %	Tensión vapor mb.	Punto rocío oC	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	14.7	26.0	19.5	82.6	18.45	16.2	0.0	0.0	0.0	6.1
2	16.8	25.4	19.4	83.0	18.91	16.6	37.0	0.0	37.0	4.5
3	15.0	25.2	20.1	80.2	18.60	16.3	0.0	0.0	0.0	4.1
4	14.4	26.3	19.8	81.8	18.48	16.3	0.0	0.0	0.0	5.1
5	18.3	24.9	19.7	86.0	20.05	17.5	0.0	0.0	0.0	1.5
6	15.2	26.0	19.8	82.4	18.70	16.4	0.0	0.0	0.0	2.6
7	16.8	26.3	20.6	82.0	19.74	17.3	0.0	0.0	0.0	5.6
8	16.8	26.8	20.5	83.5	20.12	17.6	0.0	0.0	0.0	6.7
9	18.0	23.6	19.7	86.0	19.91	17.4	0.0	0.0	0.0	0.0
10	14.2	26.4	20.3	82.5	19.28	16.9	0.0	0.0	0.0	4.9
11	15.7	27.2	21.1	81.0	19.96	17.5	0.0	0.0	0.0	7.3
12	18.0	25.2	20.5	82.0	20.01	17.5	0.0	0.0	0.0	0.8
13	15.8	26.8	21.1	79.2	19.68	17.2	0.0	0.0	0.0	5.6
14	18.2	24.4	19.9	84.3	19.93	17.5	0.6	0.0	0.6	0.0
15	15.0	27.0	19.6	85.7	19.78	17.2	1.3	0.0	1.3	2.0
16	16.0	26.1	19.9	82.4	19.15	16.9	6.0	0.0	6.0	
17	15.4	28.6	21.3	80.2	19.94	17.4	0.0	0.0	0.0	8.7
18	18.7	25.0	20.4	85.4	20.63	18.0	0.2	0.0	0.2	1.0
19	15.7	27.0	20.6	80.4	19.19	16.8	0.0	0.0	0.0	8.2
20	18.2	27.1	20.5	79.6	19.32	17.0	0.0	4.4	4.4	4.2
21	16.0	27.0	21.0	83.6	20.73	18.1	0.0	0.0	0.0	
22	18.5	27.2	20.9	82.3	20.53	17.9	0.1	5.1	5.2	7.9
23	18.4	26.7	20.9	83.7	20.65	18.0	3.6	0.0	3.6	5.3
24	18.5	25.0	20.5	85.2	20.65	18.0	0.4	0.0	0.4	1.4
25	14.8	26.9	21.1	81.7	20.09	17.6	0.0	0.0	0.0	8.7
26	18.4	27.2	20.7	83.5	20.66	18.0	4.4	0.0	4.4	5.2
27	17.3	26.7	20.2	82.3	19.64	17.2	0.0	0.0	0.0	4.6
28	17.4	26.3	20.4	83.6	20.17	17.7	1.0	0.0	1.0	4.5
29	17.9	26.9	20.6	82.3	20.15	17.6	0.0	49.3	49.3	6.8
30	16.5	25.5	20.3	85.5	20.25	17.7	0.0	0.0	0.0	5.8
PROM	16.7	26.2	20.4	82.8	19.78	17.3	54.6	58.8	113.4	

ESTACION: JULIO FERNANDEZ MUNICIPIO: RESTREPO AÑO: 1.989

ALTITUD: 1.360 LATITUD: 3-49 N. LONGITUD: 76-31 W.

M E S - MAYO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.4	23.5	19.4	85.6	19.59	17.2	2.1	1.8	3.9	1.0
2	16.6	26.0	19.9	83.1	19.13	16.8	0.3	0.0	0.3	5.3
3	17.0	26.4	19.8	84.3	19.37	17.0	0.0	9.7	9.7	4.6
4	15.9	26.6	20.4	81.1	19.38	17.0	1.1	0.0	1.1	6.3
5	17.2	26.0	20.1	82.5	19.48	17.1	0.0	8.7	8.7	5.0
6	16.7	23.5	19.3	84.0	18.78	16.5	0.0	0.0	0.0	0.5
7	16.5	25.2	19.8	82.2	18.91	16.6	0.0	0.5	0.5	5.0
8	16.4	26.4	19.7	81.8	18.80	16.5	0.3	6.3	6.6	2.6
9	16.9	25.5	19.5	83.5	19.08	16.8	0.0	4.9	4.9	4.4
10	17.0	24.7	19.3	82.1	18.56	16.3	2.5	0.0	2.5	4.6
11	14.7	26.5	20.8	78.3	19.06	16.7	0.0	0.1	0.1	8.5
12	16.0	25.4	19.8	83.9	19.67	17.2	8.7	0.4	9.1	4.4
13	16.2	25.9	19.7	81.8	18.57	16.3	1.7	0.0	1.7	2.7
14	15.8	24.1	18.5	93.7	20.19	17.6	1.8	0.0	1.8	4.2
15	15.4	26.0	19.8	82.9	19.04	16.7	0.0	0.0	0.0	6.5
16	14.9	26.4	20.3	82.4	19.45	17.1	0.0	0.1	0.1	7.3
17	18.4	26.5	21.4	80.6	20.69	18.1	0.0	0.0	0.0	5.9
18	18.0	26.0	20.7	83.5	20.73	18.1	0.0	0.3	0.3	3.1
19	17.8	26.4	20.3	84.0	20.48	17.9	0.0	0.0	0.0	5.8
20	17.4	27.0	20.7	83.0	20.52	17.9	0.0	2.5	2.5	8.3
21	18.4	26.2	21.2	83.1	21.01	18.3	0.0	0.0	0.0	5.4
22	18.7	27.4	20.9	82.6	20.41	17.8	3.6	0.0	3.6	3.9
23	18.6	23.7	19.0	93.8	21.04	18.3	7.1	1.1	8.2	0.0
24	16.9	24.1	19.3	87.5	19.91	17.4	0.0	0.0	0.0	3.0
25	17.0	23.4	18.8	92.9	20.43	17.8	16.7	0.1	16.8	1.2
26	15.8	27.2	20.7	82.4	20.19	17.6	0.0	0.0	0.0	4.6
27	16.5	27.0	20.4	83.8	20.35	17.8	0.0	4.1	4.1	4.9
28	17.2	26.8	20.1	83.9	19.95	17.5	0.0	0.0	0.0	4.7
29	16.0	26.8	19.7	85.7	20.10	17.6	2.8	0.0	2.8	6.3
30	16.4	28.4	21.4	78.1	19.64	17.2	0.0	0.0	0.0	6.9
31	17.6	26.7	21.5	83.4	21.50	18.7	2.1	0.0	2.1	7.1
PROM.	16.8	25.9	20.1	83.9	19.81	17.3	50.8	40.6	91.4	144.0

M E S - JUNIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	25.8	20.8	82.3	20.48	17.9	0.0	0.0	0.0	8.4
2	16.8	26.0	19.6	80.3	18.50	16.3	0.0	0.0	0.0	4.1
3	15.0	23.2	19.7	84.6	19.49	17.1	0.0	0.0	0.0	3.0
4	17.2	25.0	20.5	83.5	20.02	17.5	0.4	0.4	0.8	3.6
5	17.0	26.2	20.2	82.6	19.63	17.2	1.0	5.1	6.1	5.4
6	16.8	25.5	20.1	85.4	20.40	17.8	0.0	0.0	0.0	4.9
7	17.0	26.3	20.3	83.3	19.93	17.5	0.0	0.1	0.1	4.6
8	17.4	26.0	20.4	81.2	19.42	17.0	0.0	0.0	0.0	4.4
9	17.8	25.0	20.1	84.6	20.14	17.6	0.0	0.0	0.0	4.2
10	17.0	26.4	20.8	81.4	20.26	17.7	0.0	0.0	0.0	6.4
11	15.9	26.0	20.3	80.7	18.77	16.5	7.2	9.6	16.8	5.5
12	16.4	25.8	20.2	82.2	19.37	17.0	0.0	1.7	1.7	5.1
13	16.7	25.6	19.2	82.1	18.10	15.9	29.4	0.0	29.4	3.4
14	14.8	27.8	20.7	80.5	19.19	16.8	0.0	0.0	0.0	7.4
15	16.0	26.0	20.5	81.1	19.83	17.4	0.0	22.4	22.4	6.2
16	17.0	24.6	19.9	85.8	20.15	17.6	0.0	4.1	4.1	5.1
17	17.8	24.4	19.3	91.7	20.67	18.0	9.4	0.6	10.0	1.7
18	17.1	24.3	18.5	94.2	20.19	17.7	6.8	0.0	6.8	4.1
19	16.8	25.4	19.7	81.3	18.60	16.3	2.0	0.0	2.0	1.7
20	16.9	25.8	20.2	84.5	20.16	17.6	0.0	0.0	0.0	2.1
21	17.0	25.5	19.9	84.9	19.73	17.3	0.0	0.0	0.0	4.4
22	17.2	25.3	19.9	86.5	20.11	17.6	0.0	0.9	0.9	2.2
23	17.4	24.5	19.2	84.4	18.93	16.6	0.5	0.0	0.5	1.4
24	15.4	24.7	19.0	83.7	18.36	16.1	1.4	0.0	1.4	4.2
25	15.6	24.2	19.0	84.7	18.66	16.4	4.0	0.0	4.0	3.0
26	16.0	24.1	18.4	87.3	18.65	16.4	0.5	3.3	3.8	4.9
27	16.2	22.0	18.2	88.9	18.92	16.6	0.7	0.0	0.7	0.7
28	13.0	27.3	20.0	78.6	17.91	15.7	0.0	0.0	0.0	8.3
29	16.9	25.2	19.5	84.4	19.18	16.9	0.0	0.0	0.0	7.2
30	16.7	25.6	19.5	82.2	18.66	16.4	0.0	0.0	0.0	3.2
PROM	16.5	25.3	19.8	84.0	19.41	17.0	63.3	48.2	111.5	130.8

ESTACION: JULIO FERNANDEZ MUNICIPIO: RESTREPO AÑO: 1.989

ALTITUD: 1.360 LATITUD: 3-49 N. LONGITUD: 76-31 W.

M E S — JULIO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.6	24.0	18.8	86.7	18.94	16.6	4.4	0.0	4.4	5.0
2	13.8	23.8	19.0	87.4	19.02	16.7	0.4	0.0	0.4	4.2
3	13.9	26.0	20.6	83.2	20.25	17.7	0.0	0.0	0.0	7.8
4	17.0	25.3	20.5	81.5	19.98	17.5	0.0	0.0	0.0	6.2
5	16.7	25.4	18.9	83.9	18.39	16.2	0.0	0.0	0.0	3.2
6	15.8	25.0	19.2	86.3	19.42	17.0	1.7	0.0	1.7	7.1
7	16.2	25.2	20.0	81.0	19.33	17.0	0.1	3.4	3.5	8.3
8	16.0	24.9	18.9	83.8	18.25	16.1	0.0	0.0	0.0	6.9
9	13.6	26.3	19.1	80.0	17.51	15.4	0.0	0.0	0.0	7.5
10	14.8	27.3	19.8	82.0	18.79	16.5	0.0	0.0	0.0	7.5
11	14.6	26.0	19.9	82.4	19.05	16.8	0.0	0.0	0.0	6.7
12	17.0	27.0	20.7	80.2	19.53	17.1	0.0	0.0	0.0	9.7
13	18.0	26.9	21.0	82.0	20.49	17.9	0.0	0.0	0.0	4.2
14	16.2	28.4	21.3	78.5	19.57	17.1	0.0	0.0	0.0	9.6
15	18.4	28.0	21.6	80.1	20.62	18.0	0.0	0.0	0.0	9.9
16	17.0	27.2	20.4	84.2	20.13	17.6	0.0	0.0	0.0	5.1
17	15.0	26.2	20.4	80.0	19.02	16.7	0.0	0.0	0.0	5.8
18	18.0	26.0	20.5	83.0	20.30	17.8	0.0	0.0	0.0	3.6
19	17.8	23.4	19.3	89.1	20.32	17.7	0.0	0.0	0.0	1.5
20	17.2	24.8	18.7	85.9	18.82	16.5	1.2	0.0	1.2	2.5
21	14.4	24.1	18.5	87.7	18.56	16.3	1.1	0.0	1.1	2.3
22	16.4	25.8	19.0	86.7	19.24	16.9	0.8	0.0	0.8	3.8
23	15.8	26.4	19.8	85.4	20.12	17.6	0.0	0.0	0.0	5.5
24	15.0	27.0	20.1	80.9	18.92	16.6	0.0	0.0	0.0	5.3
25	16.8	26.4	20.3	85.0	20.51	17.9	0.0	6.1	6.1	5.1
26	16.5	26.0	20.0	80.7	18.82	16.6	0.0	0.0	0.0	4.8
27	15.1	26.3	19.9	78.9	17.89	15.7	0.0	0.0	0.0	9.3
28	16.1	26.0	20.1	82.2	19.18	16.9	0.0	0.0	0.0	5.1
29	17.2	25.9	20.5	81.8	19.63	17.2	0.0	0.0	0.0	7.0
30	17.4	27.0	21.2	80.7	20.07	17.5	0.0	0.5	0.5	7.9
31	17.6	27.8	20.9	80.9	20.05	17.6	0.0	0.4	0.4	6.8
PROM.	16.2	26.0	20.0	83.0	19.38	17.0	9.7	10.4	20.1	185.2

M E S — AGOSTO

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	26.5	20.3	81.0	19.35	17.0	0.8	0.2	1.0	7.6
2	18.0	26.4	20.6	81.9	20.01	17.5	1.0	0.0	1.0	5.0
3	17.2	26.2	20.2	82.3	19.81	17.3	0.0	0.7	0.7	6.7
4	14.1	28.2	19.9	77.6	17.40	15.3	0.0	0.0	0.0	9.0
5	15.2	26.4	19.9	83.8	19.38	17.0	0.0	0.0	0.0	5.8
6	16.4	27.0	20.5	78.4	18.64	16.3	0.0	0.0	0.0	5.5
7	14.8	27.8	20.0	79.5	18.00	15.8	0.0	4.8	4.8	8.0
8	17.3	27.9	21.1	80.1	20.02	17.5	0.0	10.6	10.6	7.0
9	16.5	26.8	20.0	85.2	20.34	17.8	19.5	1.8	21.3	6.7
10	15.8	27.6	20.0	80.1	18.40	16.2	0.0	0.0	0.0	5.0
11	17.2	24.0	18.6	93.0	19.98	17.5	5.2	0.0	5.2	2.7
12	16.8	25.2	19.8	83.3	19.24	16.9	0.5	0.0	0.5	4.5
13	17.8	24.7	19.7	82.9	19.30	16.9	0.0	0.0	0.0	0.0
14	14.8	27.2	20.5	81.2	19.28	16.9	0.8	0.0	0.8	5.0
15	17.8	25.4	20.8	82.1	20.25	17.7	0.2	0.0	0.2	4.6
16	18.0	25.0	20.3	82.7	19.88	17.4	0.0	0.0	0.0	0.0
17	16.0	27.3	20.4	82.2	19.67	17.3	0.0	0.0	0.0	7.0
18	17.2	27.4	21.1	79.9	20.05	17.6	0.0	0.0	0.0	6.7
19	17.6	26.5	19.6	90.0	20.66	18.0	1.5	0.2	1.7	3.8
20	15.9	25.0	19.9	83.2	18.94	16.6	5.9	0.0	5.9	5.4
21	15.8	26.8	20.3	81.4	19.33	17.0	0.0	0.0	0.0	5.2
22	15.0	26.2	20.3	81.0	19.14	16.8	0.0	0.0	0.0	3.2
23	18.0	26.0	19.4	86.7	20.06	17.9	0.3	0.0	0.3	1.3
24	14.7	26.4	19.7	85.0	19.32	16.9	0.0	0.0	0.0	7.5
25	15.6	26.2	19.6	84.9	19.31	16.9	12.8	5.3	18.1	3.9
26	16.2	26.5	19.8	77.9	17.75	15.6	0.0	0.0	0.0	5.9
27	14.0	27.0	19.9	81.0	18.48	16.2	0.0	0.0	0.0	5.2
28	17.4	25.8	19.9	84.2	19.67	17.3	0.0	0.0	0.0	2.8
29	17.0	22.0	19.1	81.6	18.01	15.8	3.5	1.6	5.1	2.2
30	15.9	24.2	18.6	86.8	18.54	16.3	3.4	0.0	3.4	1.4
31	15.4	23.8	18.8	92.1	20.08	17.6	0.6	0.0	0.6	2.8
PROM	16.3	26.1	20.0	83.0	19.30	16.9	56.0	25.2	81.2	147.4

ESTACION: JULIO FERNANDEZ MUNICIPIO: RESTREPO AÑO: 1.989

ALTITUD: 1.360 LATITUD: 3-49 N. LONGITUD: 76-31 W.

M E S – SEPTIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.5	27.9	20.4	80.0	19.11	16.8	0.0	0.1	0.1	6.5
2	17.8	26.4	20.3	86.8	20.89	18.2	0.0	0.0	0.0	7.0
3	15.9	28.5	20.8	79.7	19.63	17.2	0.0	4.7	4.7	6.6
4	17.0	27.0	20.5	79.1	18.85	16.6	0.0	0.0	0.0	6.6
5	16.8	23.4	19.1	85.4	18.98	16.7	0.0	12.3	12.3	0.4
6	16.0	25.4	19.5	84.1	19.10	16.8	3.5	0.0	3.5	2.3
7	17.3	25.0	19.4	81.8	18.45	16.2	0.2	0.0	0.2	3.3
8	15.7	25.2	19.7	82.3	18.90	16.6	4.6	0.0	4.6	1.6
9	16.5	24.4	18.8	85.2	18.67	16.4	0.0	0.0	0.0	3.7
10	13.7	27.0	19.9	81.7	19.02	16.7	0.0	5.5	5.5	4.5
11	16.5	26.0	19.8	83.8	19.45	17.1	0.0	0.0	0.0	4.4
12	15.8	27.5	20.6	82.2	20.16	17.6	0.6	2.5	3.1	5.4
13	17.2	27.0	20.4	73.7	17.46	15.3	0.0	0.2	0.2	4.5
14	16.9	27.2	19.9	74.4	17.37	15.3	0.0	0.0	0.0	1.1
15	13.9	27.3	19.8	82.2	18.81	16.5	0.0	0.0	0.0	0.9
16	16.4	27.5	20.0	83.9	19.88	17.4	0.0	0.0	0.0	0.1
17	17.5	25.8	19.6	82.7	19.46	17.1	0.0	4.0	4.0	0.1
18	16.9	23.9	19.5	81.6	18.42	16.2	0.0	0.0	0.0	1.2
19	16.0	24.8	19.6	82.4	18.70	16.5	0.0	0.0	0.0	4.2
20	16.8	24.0	18.4	90.8	19.44	17.1	2.6	0.0	2.6	1.6
21	15.9	26.3	19.4	82.9	18.74	16.5	1.9	4.5	6.4	3.6
22	16.2	25.3	18.7	86.5	18.78	16.5	1.4	0.6	2.0	1.3
23	16.0	27.2	20.3	81.6	19.37	17.0	0.0	8.7	8.7	7.2
24	17.2	25.9	20.6	79.5	19.31	16.9	0.0	6.2	6.2	5.5
25	16.7	26.7	19.7	82.0	19.26	16.9	0.6	0.0	0.6	4.7
26	17.0	25.1	19.9	81.3	18.81	16.6	4.8	0.1	4.9	
27	15.0	24.2	19.5	83.1	18.55	16.3	0.0	25.9	25.9	5.6
28	16.4	26.3	19.2	78.1	17.37	15.3	5.1	0.0	5.1	1.8
29	16.5	26.2	19.7	82.0	18.64	16.4	0.0	0.0	0.0	5.3
30	17.4	28.2	21.1	74.9	18.41	16.2	0.0	0.0	0.0	6.0
PROM.	16.4	26.1	19.8	81.9	18.93	16.6	25.3	75.3	100.6	

M E S – OCTUBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	26.1	19.9	80.0	18.87	16.6	0.0	0.0	0.0	
2	16.4	26.0	19.4	80.4	18.02	15.8	0.0	0.0	0.0	
3	16.2	26.2	20.2	81.7	19.36	17.0	0.0	38.2	38.2	4.7
4	15.6	25.8	19.2	82.5	18.33	16.1	0.0	0.0	0.0	4.4
5	15.8	26.0	19.5	81.5	18.34	16.1	0.0	0.0	0.0	1.7
6	16.0	27.3	20.3	79.8	19.11	16.8	0.0	1.4	1.4	7.3
7	17.1	25.1	19.6	84.8	19.63	17.2	0.0	0.0	0.0	6.8
8	15.0	25.8	18.5	89.4	19.17	16.8	4.0	0.0	4.0	3.6
9	15.4	24.4	19.2	83.6	18.69	16.4	1.0	0.0	1.0	3.3
10	16.8	24.0	19.2	90.9	20.41	17.8	10.0	4.6	14.6	3.0
11	16.2	24.8	19.7	76.1	17.18	15.1	3.8	0.2	4.0	3.0
12	16.0	24.3	19.0	84.3	18.55	16.3	0.0	0.0	0.0	2.8
13	15.7	24.5	18.8	90.6	19.95	17.4	3.0	0.5	3.5	3.9
14	15.5	24.9	19.7	85.5	19.46	17.0	1.8	0.0	1.8	1.8
15	16.0	25.0	20.2	83.7	19.97	17.5	0.7	0.0	0.7	4.0
16	15.2	26.5	20.1	82.5	19.30	16.9	0.0	1.7	1.7	3.2
17	17.4	24.9	20.0	81.0	18.83	16.5	0.0	4.6	4.6	3.2
18	17.6	25.2	19.9	85.4	20.17	17.7	0.0	9.1	9.1	4.1
19	17.0	27.0	20.4	82.3	19.64	17.2	5.3	0.0	5.3	4.4
20	16.8	26.2	20.1	84.0	19.56	17.1	0.0	0.0	0.0	6.6
21	16.2	26.3	19.9	85.0	19.71	17.3	0.3	0.0	0.3	4.2
22	16.8	25.2	19.4	84.0	18.95	16.6	9.4	0.9	10.3	3.1
23	16.0	26.0	19.9	79.7	18.38	16.2	0.0	1.1	1.1	7.0
24	16.4	25.3	18.3	94.2	19.92	17.4	14.5	0.6	15.1	2.5
25	16.0	26.4	20.5	83.9	20.30	17.7	8.0	1.4	9.4	5.1
26	17.5	26.0	20.1	83.4	19.81	17.4	1.1	0.2	1.3	5.0
27	17.4	24.8	19.9	84.0	19.83	17.4	0.0	0.0	0.0	2.3
28	17.0	24.9	19.4	88.6	20.27	17.7	0.0	0.5	0.5	1.4
29	16.0	26.8	20.6	82.2	19.92	17.5	0.1	0.0	0.1	4.6
30	17.8	26.7	20.3	84.1	20.35	17.8	3.8	0.0	3.8	2.1
31	17.0	27.0	20.7	78.7	19.38	17.0	0.0	26.6	26.6	5.5
PROM	16.4	25.7	19.7	83.8	19.33	16.9	66.8	91.6	158.4	

ESTACION: JULIO FERNANDEZ MUNICIPIO: RESTREPO AÑO: 1.989

ALTITUD: 1.360 LATITUD: 3-49 N. LONGITUD: 76-31 W.

M E S – NOVIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	16.8	25.2	19.5	80.6	18.24	16.0	0.0	0.5	0.5	3.0
2	17.0	23.6	19.2	86.1	19.19	16.5	0.0	0.0	0.0	3.5
3	16.1	25.6	19.7	84.2	19.27	16.9	0.0	1.4	1.4	4.3
4	17.2	24.4	19.2	89.5	20.28	17.7	0.0	0.0	0.0	2.0
5	13.4	26.9	19.1	82.7	18.05	15.9	0.0	5.0	5.0	6.9
6	17.4	25.1	19.8	88.7	20.87	18.2	3.1	19.7	22.8	3.8
7	15.2	25.3	19.2	79.1	17.57	15.4	0.0	0.0	0.0	1.7
8	16.0	22.7	18.6	84.7	18.42	16.2	0.0	0.0	0.0	0.4
9	12.2	26.4	19.2	79.9	17.26	15.2	0.0	0.0	0.0	9.6
10	16.0	24.9	18.8	83.1	18.23	16.0	0.0	0.2	0.2	7.4
11	15.7	22.4	18.4	79.8	16.73	14.7	0.0	0.0	0.0	0.7
12	13.2	25.0	18.6	84.4	18.06	15.9	0.0	0.0	0.0	2.8
13	16.7	25.7	19.0	88.5	19.77	17.3	0.2	1.9	2.1	4.0
14	16.9	25.0	19.7	85.9	20.04	17.9	2.1	0.4	2.5	6.0
15	17.2	25.5	20.4	82.5	19.98	17.5	0.0	0.0	0.0	8.4
16	17.5	25.1	20.2	86.2	20.61	18.0	0.0	3.6	3.6	4.1
17	17.2	26.4	20.2	82.4	19.51	17.1	0.0	0.0	0.0	5.0
18	17.6	26.2	20.3	85.3	20.51	17.9	0.0	2.6	2.6	4.0
19	17.4	27.3	20.5	79.7	19.11	16.8	0.0	0.0	0.0	5.8
20	17.2	26.0	20.9	84.4	20.86	18.2	0.0	15.3	15.3	4.5
21	16.6	24.2	19.3	83.1	18.47	16.2	0.0	0.0	0.0	1.2
22	16.8	26.0	20.2	84.2	19.94	17.5	3.4	0.1	3.5	4.5
23	17.8	25.4	20.7	82.3	20.02	17.9	0.0	0.0	0.0	5.1
24	17.6	24.9	20.2	86.5	20.68	18.0	0.0	0.0	0.0	2.0
25	17.0	25.6	20.1	84.3	19.88	17.4	0.0	0.0	0.0	7.4
26	16.0	25.8	20.3	83.9	19.68	17.2	0.0	0.0	0.0	6.5
27	16.8	26.0	20.7	85.7	20.91	18.2	0.3	0.0	0.3	6.5
28	18.4	26.4	20.9	84.7	21.33	18.5	0.0	5.1	5.1	6.5
29	17.6	25.7	20.1	83.7	19.68	17.2	1.5	27.1	28.6	5.1
30	16.2	26.1	19.8	83.0	19.12	16.8	0.0	0.0	0.0	4.2
PROM.	16.5	25.4	19.8	84.0	19.41	17.0	10.6	82.9	93.5	136.9

M E S – DICIEMBRE

DIA	TEMPERATURA °C			Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION m.m.			Brillo solar horas
	MIN.	MAX.	MED.				Día	Noche	Total	
1	17.0	24.7	19.6	83.3	19.33	16.9	0.0	25.5	25.5	5.5
2	16.4	20.8	17.7	93.1	19.01	16.7	6.4	0.0	6.4	6.8
3	15.8	24.0	18.7	87.9	19.00	16.7	0.2	14.7	14.9	
4	16.3	23.4	18.5	87.4	18.73	16.5	1.9	0.0	1.9	2.3
5	14.6	24.8	18.6	88.2	19.06	16.7	1.1	0.0	1.1	4.8
6	15.8	25.7	19.2	85.6	19.15	16.8	0.0	0.0	0.0	3.8
7	17.0	25.2	20.3	84.3	20.17	17.6	0.0	0.0	0.0	7.6
8	17.4	25.7	20.2	86.9	20.94	18.2	0.0	0.0	0.0	7.5
9	17.0	24.8	19.9	86.7	20.45	17.9	0.8	10.5	11.3	5.0
10	16.8	24.1	19.3	86.9	19.56	17.2	0.0	0.0	0.0	2.6
11	16.9	24.3	19.0	85.9	19.06	16.7	0.0	0.0	0.0	3.0
12	17.0	25.0	20.1	86.8	20.57	17.9	0.0	1.8	1.8	5.2
13	17.2	25.6	20.3	86.0	20.48	17.9	0.0	0.0	0.0	3.2
14	17.8	25.0	20.4	85.4	20.58	18.0	0.0	0.0	0.0	2.7
15	16.0	27.2	19.9	84.3	19.79	17.3	0.0	0.0	0.0	
16	16.7	24.6	19.5	83.8	19.12	16.8	0.0	0.0	0.0	
17	14.6	26.0	19.8	83.0	19.15	16.8	0.0	0.0	0.0	7.3
18	16.6	24.5	19.7	86.3	19.94	17.4	0.0	0.0	0.0	6.7
19	16.8	25.6	20.4	83.5	19.85	17.4	0.0	0.0	0.0	8.0
20	18.0	26.0	20.6	81.5	20.06	17.6	0.0	0.0	0.0	7.3
21	17.0	25.4	20.3	84.0	19.92	17.4	0.0	0.0	0.0	7.3
22	17.5	26.0	20.6	83.7	20.47	17.9	0.0	8.1	8.1	7.4
23	17.6	21.4	18.8	92.1	20.19	17.6	0.0	16.1	16.1	0.2
24	16.5	24.0	18.5	90.0	19.29	16.9	0.0	0.2	0.2	4.8
25	16.9	24.3	19.5	85.1	19.56	17.1	0.0	3.3	3.3	4.8
26	17.0	25.1	19.3	84.3	19.08	16.7	0.1	2.6	2.7	
27	17.1	25.6	20.1	81.0	19.10	16.8	5.0	0.0	5.0	
28	16.9	23.2	18.3	87.1	18.51	16.3	0.3	0.0	0.3	
29	15.0	24.8	19.4	81.3	18.19	16.0	0.0	0.0	0.0	2.4
30	15.3	25.0	19.2	82.4	18.41	16.2	0.0	0.0	0.0	9.9
31	16.0	24.0	18.8	81.9	18.11	15.9	0.0	0.0	0.0	6.7
PROM	16.6	24.7	19.5	85.5	19.51	17.1	15.8	82.8	98.6	

ESTACION: JULIO FERNANDEZ MUNICIPIO: RESTREPO AÑO: 1.989

ALTITUD: 1.360 LATITUD: 3-49 N. LONGITUD: 76-31 W.

MESES	TEMPERATURA °C					Humedad relativa %	Tensión vapor mb.	Punto rocío °C	PRECIPITACION		Brillo solar horas
	MIN. MED.	MAX. MED.	MED.	MIN. ABS.	MAX. ABS.				Total mm.	Días lluvias	
ENERO	16.9	25.4	19.9	15.5	27.0	84.4	19.76	17.3	52.6	12	129.9
FEBRERO	16.5	26.1	20.0	14.7	28.0	83.0	19.38	17.0	82.0	12	
MARZO	15.6	25.9	19.7	11.8	28.2	81.8	18.67	16.4	51.7	9	
ABRIL	16.7	26.2	20.4	14.2	28.6	82.8	19.78	17.3	113.4	12	
MAYO	16.8	25.9	20.1	14.7	28.4	83.9	19.81	17.3	91.4	22	144.0
JUNIO	16.5	25.3	19.8	13.0	27.8	84.0	19.41	17.0	111.5	17	130.8
JULIO	16.2	26.0	20.0	13.6	28.4	83.0	19.38	17.0	20.1	10	185.2
AGOSTO	16.3	26.1	20.0	14.0	28.2	83.0	19.30	16.9	81.2	17	147.4
SEPTIEMBRE	16.4	26.1	19.8	13.7	28.5	81.9	18.93	16.6	100.6	19	
OCTUBRE	16.4	25.7	19.7	15.0	27.3	83.8	19.33	16.9	158.4	23	
NOVIEMBRE	16.5	25.4	19.8	12.2	27.3	84.0	19.41	17.0	93.5	14	136.9
DICIEMBRE	16.6	24.7	19.5	14.6	27.2	85.5	19.51	17.1	58.6	14	
PROMEDIO	16.5	25.7	19.9	13.9	27.9	83.4	19.39	17.0			
TOTAL									1055.0	181	

ESTACION: **MESITAS DE SANTA INES** MUNICIPIO: **CACHIPAY** AÑO: **1.989**

ALTITUD: **1.250** LATITUD: **4-40 N.** LONGITUD: **74-28 W.**

L L U V I A E N M I L I M E T R O S

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPTIEM	OCTUBRE	NOVIEMBR	DICIEM
1	0.0	53.0	0.0	27.0	42.0	0.5	0.0	0.6	0.0	0.0	0.0	5.4
2	1.3	9.7	0.0	3.6	0.0	0.3	0.0	0.0	0.0	0.0	29.8	12.3
3	0.0	10.1	0.1	4.7	0.4	2.4	0.0	0.0	1.2	0.2	29.8	1.0
4	0.8	63.6	7.0	0.0	0.0	0.0	0.0	0.0	12.9	61.8	0.6	0.0
5	0.0	3.8	3.8	0.0	11.1	0.0	0.1	2.4	24.8	0.0	2.2	3.2
6	0.2	0.0	0.0	3.9	0.3	0.3	0.1	0.0	0.5	0.0	0.0	4.1
7	6.4	0.0	10.0	0.0	20.0	1.1	1.2	0.0	0.0	0.0	0.0	0.0
8	0.0	16.9	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.6	0.0	0.0
9	0.0	2.5	28.0	0.0	60.0	0.0	0.0	0.5	2.5	1.0	0.0	4.9
10	11.6	10.0	4.7	0.0	7.7	0.0	0.0	1.0	0.0	6.9	20.0	21.0
11	3.1	2.7	0.3	0.0	5.6	0.0	0.0	0.0	1.9	11.2	25.5	3.4
12	0.0	0.0	9.3	1.5	3.4	4.6	0.1	0.0	0.0	0.2	8.0	0.5
13	0.3	0.0	7.5	0.0	21.0	1.8	0.0	0.0	0.0	3.8	0.2	0.0
14	0.0	6.3	3.4	1.9	0.0	0.0	0.0	1.9	0.0	7.0	5.1	0.0
15	0.0	0.0	7.1	0.0	0.0	0.0	0.0	0.0	5.8	2.7	0.0	0.0
16	0.0	0.0	18.0	0.0	0.0	0.0	5.4	0.0	0.0	2.8	3.7	0.0
17	0.0	0.0	2.1	14.7	0.0	0.0	0.0	0.0	1.2	1.6	1.3	0.0
18	0.0	0.4	1.6	46.4	0.4	0.0	0.0	0.0	0.0	1.2	0.0	0.0
19	0.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.8	0.2	0.0	0.4	0.5	0.0	2.9	45.6	0.0	0.3	0.0
21	0.3	0.0	5.9	0.0	0.3	0.0	0.7	1.6	26.4	0.0	0.4	0.0
22	0.3	0.2	0.0	0.0	0.2	0.6	0.7	9.3	1.9	0.0	0.2	0.0
23	0.0	30.0	0.0	2.7	0.4	8.5	0.0	0.6	0.0	40.3	0.0	0.0
24	0.0	1.0	0.3	0.7	35.7	0.5	9.5	0.0	0.0	0.0	0.0	0.0
25	0.0	4.3	0.0	0.0	4.7	0.6	0.0	3.3	6.9	9.4	0.0	2.6
26	0.0	0.1	13.8	1.9	14.0	0.0	0.2	0.0	11.6	4.3	0.0	0.0
27	0.0	0.0	1.8	0.0	3.7	0.0	0.0	0.0	17.1	57.0	9.4	0.0
28	20.0	0.0	22.0	1.3	15.1	0.5	0.0	5.5	39.9	0.0	0.0	0.0
29	36.5	0.0	0.5	0.2	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0
30	98.0	0.0	11.9	1.7	0.0	0.0	17.6	0.3	0.0	9.8	0.0	0.0
31	4.0	0.0	44.8	0.0	3.9	0.0	0.0	0.0	0.0	0.9	0.0	0.0
Total	182.8	215.4	209.2	112.2	250.3	22.2	35.6	30.8	201.7	223.7	136.5	58.4
D.L.	13	17	24	14	21	13	10	13	16	19	15	10
TOTALES ANUALES							1678.8				185	

E R I L L O S O L A R E N H O R A S

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPTIEM	OCTUBRE	NOVIEMBR	DICIEM
1		0.4	9.2	0.4	1.2	1.4	3.4	4.4	8.1	8.0	2.0	1.1
2		3.3	8.3	0.9	4.2	3.2	1.4	4.6	4.1	5.4	4.1	0.2
3	1.1	0.3	5.9	0.7		0.6	3.9	6.3	6.8	6.7	2.7	2.6
4	3.1	1.4	4.7	2.5		3.2	4.1	6.9	4.3	1.8	1.6	1.4
5	0.1	3.3	0.2	3.0	2.5	1.3	1.8	5.5	1.9	1.0	2.1	2.1
6	2.8	5.9	4.2	0.5	0.3	3.5	1.8	4.3	1.1	8.3	8.5	4.3
7	3.8	4.9	1.4	8.4	6.1	3.4	0.7	7.3	1.0	6.5	3.9	4.6
8	5.3	4.5		4.7			5.7	6.4	3.5	2.8	5.6	4.3
9	8.5	3.8	2.0	4.8	5.7		2.4	2.9	4.0	2.5	3.7	4.3
10	4.4	3.3	2.9	7.4	2.2	4.3	5.2	1.3	2.6	3.6	4.4	0.3
11	4.4	0.3			7.3	2.1	6.0	2.3	6.1	0.2	2.5	2.2
12	5.6	4.5	1.1	1.9	4.0	3.1	3.1	4.2	6.6	1.6	1.4	1.4
13	0.1	3.7	0.0		2.4	2.5	5.2	3.0	5.5	3.4	3.0	1.8
14	3.8	5.7	0.3	0.9	4.0		4.8	1.7	6.1	3.3	1.1	2.6
15	7.7	6.1	0.5		1.7	6.7	5.9	2.6	6.3	2.5	4.8	8.7
16	7.5	4.8	1.2		7.1		0.2	4.3	2.9	2.7	4.5	6.6
17	5.0	3.7	5.0		3.0	2.8	3.3	3.5	6.4	4.5	2.6	5.6
18	2.3	2.4	1.0	6.3	2.9	4.6	4.6	5.8	2.8	3.5	1.5	8.8
19	6.4	3.9	4.0		2.0		2.2	4.1	1.7	4.6	4.4	9.2
20	4.8	0.3	0.5		6.1		2.5	5.3	0.4	6.5	2.4	7.1
21	5.6	1.7	3.1		1.8	3.8	1.7	4.1	2.8	4.8	2.9	6.8
22	0.9	3.8	3.3	4.6	5.6		0.6	7.7	2.4	3.6	0.5	8.0
23	4.0	1.7	5.3	1.4		0.4	6.0	2.0	6.4	2.8	0.5	7.1
24	7.5	1.7	0.7	5.3		0.4	3.5	9.5	4.1	1.3	2.3	4.3
25	4.0	2.9	7.5		0.0	3.0	0.0	3.4	4.0	2.3	3.3	2.0
26	7.7	3.3	6.2		0.9	4.0	0.5	5.1	3.8	2.9	8.0	1.4
27	1.6	2.0	3.5		7.2		1.0	4.3	2.1	2.7	2.7	5.5
28	1.0	7.9	0.9	0.0	2.9	5.9	4.2	1.5	3.6	4.2	3.0	4.9
29	1.0	0.0	1.4	1.2	5.0		5.5	2.2	2.8	2.2	1.2	4.7
30	3.5	0.0	7.8	4.0		0.9	4.7	1.6	1.6	3.5	6.0	7.4
31	2.6	0.0	2.5	0.0	2.3	0.0	5.5	0.5	0.0	2.9	0.0	8.9
Total		91.5					101.4	128.6	115.8	112.6	97.2	140.2
TOTAL ANUAL												

ESTACION: LA UNICN MUNICIPIO: LA UNION AÑO: 1.989

ALTITUD: 1.800 LATITUD: 1-37 N. LONGITUD: 77-09 W.

L L U V I A E N M I L I M E T R O S

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPTIEM	OCTUBRE	NOVIEMBR	DICIEM
1		0.0		0.0	60.6	2.1	1.4	0.0	0.0	0.0	4.4	19.1
2		0.0		26.0	1.0	8.8	0.0	0.0	0.0	0.0	13.0	16.3
3		0.0		2.0	16.4	2.0	0.0	0.0	11.4	9.3	5.7	1.5
4		0.0		0.0	0.0	0.0	0.0	0.0	5.5	1.2	12.7	1.0
5		12.0		0.9	38.1	0.0	0.8	0.0	15.7	0.0	4.5	0.0
6		0.0		0.0	0.0	0.4	0.0	0.0	48.6	0.0	3.9	0.0
7		0.0		0.0	9.2	12.9	0.0	0.0	0.0	0.8	0.3	0.0
8		19.0		0.0	0.0	11.1	0.0	0.0	0.0	5.1	1.3	0.0
9		10.0		0.0	0.8	2.4	0.0	0.0	0.5	32.2	0.3	4.0
10		0.0		0.0	1.0	0.0	0.0	2.3	0.0	55.8	0.6	22.8
11		0.0		0.0	0.0	0.8	0.0	0.0	0.0	21.7	6.2	3.6
12		9.0		0.4	3.9	0.6	0.0	0.0	0.0	7.9	10.0	2.6
13		8.0		0.0	0.5	0.3	0.0	0.3	0.0	9.5	15.5	3.5
14		4.0		4.9	0.0	0.1	0.0	0.0	0.0	0.0	0.7	4.0
15		0.0		0.0	0.0	0.1	0.0	0.1	0.0	7.3	0.0	0.0
16		0.0	0.0	5.4	0.6	0.1	0.0	0.2	0.0	0.0	10.2	0.0
17		0.0	29.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	1.8	1.7
18		0.0	0.0	10.6	0.3	0.4	0.0	0.0	0.0	0.9	0.3	0.5
19		0.0	13.0	0.0	0.3	6.8	0.0	0.2	0.0	0.0	0.0	0.0
20		0.0	0.0	0.0	0.0	0.0	0.2	0.0	7.3	0.0	15.4	0.0
21		21.0	0.0	0.0	0.0	0.0	2.7	10.4	22.1	0.5	4.6	0.0
22		5.0	0.0	0.3	0.0	0.0	0.7	0.0	0.8	23.7	7.7	0.0
23		0.0	0.0	1.8	0.0	12.5	45.4	0.0	0.0	27.3	0.0	0.0
24		0.0	12.0	1.9	0.0	0.7	0.0	0.0	0.0	10.2	0.0	5.5
25		8.0	0.0	0.0	1.0	5.0	2.4	0.0	1.6	5.2	0.0	6.8
26		2.0	0.0	23.9	0.0	3.1	9.1	0.0	32.3	14.8	0.0	5.5
27		0.0	0.0	19.9	0.0	0.8	0.0	0.1	10.1	22.0	0.0	8.4
28		0.0	0.0	22.0	0.5	0.0	0.0	0.1	0.0	7.4	0.0	5.6
29		0.0	0.0	5.9	1.6	0.3	0.0	6.9	0.0	1.0	16.4	0.0
30		0.0	0.0	1.8	0.0	1.1	6.1	16.3	0.0	0.0	52.7	0.0
31		0.0	0.0	0.0	9.4	0.0	1.7	0.1	0.0	29.1	0.0	27.3
Total		98.0		127.7	145.4	72.5	70.5	37.0	155.9	292.9	188.2	139.7
D.L.I.		10		15	17	23	10	11	11	21	22	18

TOTALES ANUALES

E R I L L O S O L A R E N H O R A S

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPTIEM	OCTUBRE	NOVIEMBR	DICIEM
1		0.0	5.3	4.3	0.0	6.9		5.4	9.8	6.5	3.5	1.0
2			8.1	4.3	1.7	2.1			5.4	5.7	1.5	2.0
3				1.1	3.2	4.8			9.9		2.4	6.6
4		1.8		4.4	0.1	5.2			3.5	2.0	1.7	1.0
5		1.8		2.1	4.6	5.0		1.2	0.0	3.3	4.3	8.1
6		3.5		1.5	0.8	3.0		2.4	1.5	8.2	1.5	6.8
7		3.2		4.7	3.1	5.0		9.9	3.6	2.7	2.9	6.7
8		3.3		7.9	4.7	4.9		9.5	3.3	5.9	1.2	7.6
9		0.5		5.3	6.6	3.8		5.0	1.4	3.9	9.5	1.6
10				4.6	2.0	7.2		8.2	5.5	3.6	8.6	1.6
11				3.8	7.3	4.1		4.7	4.8	1.8	4.5	1.9
12			2.8	2.7	5.3	0.7		6.6	9.0	1.8	2.2	3.0
13		2.8		0.3	5.4	8.0		4.7	4.4	2.7	0.6	2.3
14		2.5		1.6	4.4	1.7		5.3	3.5	2.7	1.9	0.2
15		7.0		2.4	5.1	5.3		6.3	6.8	1.6	4.3	5.7
16		4.6		3.0	7.6	3.6		3.7	6.6	5.7	6.5	6.4
17		0.6		8.8	6.5	3.7		8.4	7.3	3.6	2.6	5.3
18		3.2	4.3	0.9	1.5	3.5		8.7	7.6	5.2	5.4	4.3
19		3.2	10.2	5.1	7.6	1.3		4.2	4.8	7.0	5.9	8.1
20		3.7	6.6	2.3	7.1	1.7		5.6	1.5	5.9	6.8	4.2
21		5.7	9.7	5.9	3.8	1.6		7.2	5.0	2.0	0.4	5.5
22		5.2		4.4	8.5	1.5		6.0	3.6	3.8	1.2	6.8
23		0.8	8.6	2.0	3.5	5.6		2.7	7.1	1.9	1.9	7.8
24		1.8	6.0	8.8	5.2	3.2		8.7	4.9	2.4	2.2	6.0
25				3.6	1.6	1.6		7.7	4.0	3.7	6.6	1.0
26				2.4	5.3	2.0		5.5	2.4	2.2	6.9	3.4
27		5.3		5.7	9.4	3.4		6.4	4.2	2.1	5.0	1.5
28		5.5		3.4	3.1	4.6		4.2	2.4	1.8	2.6	0.0
29		0.0	7.4	5.1	6.1	5.1		1.1	5.7	4.3	5.1	7.6
30		0.0	10.9	6.6	6.4	4.7		3.2	8.0	4.7	1.2	7.2
31		0.0	0.1	0.0	4.5	0.0		1.9	0.0		0.0	
Total				119.0	142.0	114.8			147.5		114.9	131.2

TOTAL ANUAL

ESTACION: EL SENA MUNICIPIO: ARMENIA AÑO: 1.989

ALTITUD: 1.550 LATITUD: 4-32 N. LONGITUD: 75-40 W.

L L U V I A E N M I L I M E T R O S

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPTIEM	OCTUBRE	NOVIEMBR	DICIEM
1	43.8	0.0	0.0	15.0	31.8	69.2	0.0	0.0	0.0	0.5	19.2	16.9
2	3.6	22.2	0.5	0.5	0.1	0.1	0.7	0.0	12.0	0.8	0.0	2.1
3	9.8	50.7	6.6	0.5	17.1	0.2	0.0	0.0	16.1	0.4	14.9	37.5
4	10.8	0.6	2.0	5.5	18.4	0.0	0.0	0.0	4.8	31.6	15.1	1.7
5	1.9	0.0	0.0	0.0	25.6	1.9	1.7	0.0	9.3	0.4	8.2	5.1
6	0.2	15.1	18.3	0.0	1.9	1.4	0.0	0.0	0.0	1.9	35.7	0.0
7	54.1	2.5	0.5	0.0	7.6	0.5	0.0	0.0	3.0	0.0	52.8	2.6
8	13.4	0.5	2.4	0.0	4.9	0.3	0.0	0.0	0.8	0.4	0.9	0.0
9	17.8	2.9	1.0	8.0	0.0	1.0	0.0	0.0	0.0	0.0	13.6	24.7
10	17.6	2.6	62.3	1.5	17.6	1.2	0.0	0.0	0.0	49.3	46.8	0.0
11	0.0	12.2	50.7	0.0	0.0	5.4	0.0	0.0	13.1	9.8	0.5	9.6
12	0.0	0.0	1.3	0.0	15.6	0.9	0.0	0.0	2.4	0.4	0.0	4.1
13	6.7	3.3	13.2	17.8	2.3	9.5	0.0	0.0	0.0	17.8	0.7	0.0
14	0.8	19.9	51.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0
15	33.5	25.0	14.7	3.6	0.0	0.2	0.0	0.0	0.0	10.0	1.0	0.0
16	8.0	5.2	0.2	0.1	0.0	0.0	0.0	0.7	0.0	0.0	8.4	0.0
17	0.0	1.3	2.6	0.0	0.0	1.8	0.0	0.0	0.0	6.2	0.9	0.0
18	0.0	3.0	4.2	0.0	0.3	9.1	0.0	0.0	4.2	4.5	0.0	0.0
19	0.0	0.0	0.4	0.0	0.9	0.0	6.2	12.0	0.0	0.0	0.0	0.0
20	1.2	0.0	10.0	0.0	0.0	0.0	3.0	3.4	2.7	1.0	19.7	6.6
21	14.9	0.0	0.0	0.0	0.0	4.5	2.3	1.6	20.0	30.9	4.6	22.7
22	15.4	3.6	0.3	0.0	0.0	1.9	3.1	0.0	0.6	21.8	0.9	0.0
23	0.0	14.0	0.5	2.1	0.6	5.7	1.9	1.0	0.0	55.8	0.0	13.0
24	0.0	12.9	0.0	18.4	12.4	8.8	25.0	0.0	0.5	1.0	10.7	0.9
25	1.6	31.0	0.0	0.0	3.6	4.6	68.7	2.7	8.8	7.5	0.0	22.8
26	65.1	0.6	2.6	5.7	0.0	0.7	1.2	0.0	0.0	0.0	0.0	35.0
27	29.6	1.2	9.6	9.8	15.8	0.7	0.0	0.0	0.0	2.9	1.5	2.6
28	7.0	0.0	13.0	2.3	1.9	0.0	0.0	25.8	5.4	24.0	10.0	28.3
29	8.9	0.0	0.0	17.4	0.4	0.0	1.8	9.5	0.0	0.5	9.5	2.3
30	1.3	0.0	0.0	1.5	0.2	1.4	0.7	0.0	0.0	59.9	36.8	6.1
31	1.6	0.0	0.0	0.0	6.8	0.0	16.1	0.0	0.0	49.5	0.0	13.2
Total	368.6	230.3	268.1	111.2	185.8	131.0	132.4	56.7	103.7	388.8	313.7	257.8
D.LL.	24	21	23	17	21	23	13	8	15	25	23	20
TOTALES ANUALES							2548.1				233	

E R I L L O S O L A R E N H O R A S

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPTIEM	OCTUBRE	NOVIEMBR	DICIEM
1	0.6	0.0	8.0	2.1	0.5	2.8	4.7		7.7	5.0	0.4	2.2
2	0.2	2.4	5.0	2.0	1.3	2.5	5.4		3.3	1.3	2.8	
3	2.8	1.2	2.8	0.6	0.7	0.0	9.2		5.8	2.6	1.6	6.6
4	0.5	0.3	2.5	4.1	2.4	5.3	6.1		1.8	2.1	0.1	1.6
5	0.8	2.0	0.0	0.8	2.5	2.3	3.2		0.3	1.5	6.1	1.0
6	2.8	6.7	4.6	2.4	1.1	2.6	4.0		1.2	5.6	5.7	4.7
7	3.9	3.2	3.2	4.8	3.1	1.4	5.3		2.2	6.0	2.5	4.2
8	2.9	3.3	2.3	4.7	1.3	5.0	5.6		2.2	2.4	3.1	4.9
9	6.2	0.3	2.0	0.0	2.2	1.4	3.8		1.5	1.1	4.6	4.0
10	0.5	0.8	3.2	2.5	0.3	3.8	8.8		0.7	2.3	2.3	0.7
11	1.7	1.8	0.4	2.3	5.4	2.1	7.1		3.3	0.1		2.1
12	5.6	5.3	1.2	0.0	3.7	3.3	9.1		5.8	1.7	1.9	2.5
13	1.4	2.6	1.1	1.7	1.8	2.6	9.0		3.9	2.2	0.8	1.8
14	2.3	4.5	0.1	0.0	2.4	6.8	6.8		2.4	0.7	4.9	0.0
15	3.2	3.7	1.3	0.0	5.3	6.2	9.2			0.9	5.5	5.6
16	6.9	6.8		4.0	6.6	6.5	2.1	0.0		4.1	3.3	2.4
17	4.1	2.8	4.5	8.6	6.8	3.1	3.7	5.6		0.4	2.2	3.2
18	5.8	6.9	3.4	2.1	1.6	2.2	5.1	6.8	2.1	3.3	1.8	6.0
19	4.4	4.9	6.3	2.0	3.3	1.3	2.4	2.3	3.9	3.1	3.7	4.2
20	5.5	1.3	0.8	3.7	7.3	1.2	0.5	4.4	0.9	5.6	4.0	5.1
21	4.3	1.7	5.5	6.9	6.7	2.3	0.5	4.2	2.8	2.3	2.7	6.1
22	4.6	1.8	5.8	5.5	4.9	4.0	1.1	4.1	0.2	4.3	2.9	5.7
23	5.0	0.8	5.6	4.0	0.2	0.9	3.2	0.7	2.6	2.6		2.4
24	6.1	5.4	4.1	0.9	1.7	0.7	1.5	6.2	4.5	0.9	1.2	2.7
25	0.0	3.6	7.3	4.7	1.1	2.5	2.9	4.6	3.3	2.5	1.2	2.0
26	3.2	2.3	0.9	2.0	2.0	2.7			1.3	1.8	4.8	2.4
27	0.5	3.9	2.8	4.9	4.1	1.9			0.8	1.7	5.2	0.9
28	0.4	4.7	0.0	1.9	1.6	5.3			0.0	2.8	2.9	0.4
29	3.7	0.0	9.4	2.7	5.5	5.1			4.5	1.9	1.4	5.7
30	1.2	0.0	8.8	0.6	6.3	1.7			3.2	2.6	0.7	5.9
31	1.0	0.0	3.9	0.0	2.8	0.0	4.4		0.0	5.4	0.0	3.6
Total	92.1	85.0	106.8	82.5	96.5	89.5				80.8		
TOTAL ANUAL												

ESTACION: INGENIO SAN FRANCISCO MUNICIPIO: LA VIRGINIA AÑO: 1.989

ALTITUD: 1.000 LATITUD: 4-54 N. LONGITUD: 75-54 W.

LLUVIA EN MILIMETROS

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPTIEM	OCTUBRE	NOVIEMBR	DICIEM
1	2.7	0.7	0.0	1.5	20.8	0.0	0.0	0.2	0.0	40.1	3.2	31.0
2	1.5	0.6	0.0	0.2	0.0	6.8	0.0	0.8	0.0	0.3	0.0	0.0
3	2.0	35.9	37.8	0.0	0.0	0.0	0.0	0.0	27.3	0.0	0.0	0.6
4	1.9	2.6	16.0	49.7	0.0	0.2	0.0	0.0	0.0	15.0	7.1	6.9
5	2.8	0.0	0.2	0.0	15.3	2.2	17.1	0.7	3.8	0.0	0.3	0.9
6	22.8	2.2	7.5	9.4	1.0	0.9	0.3	0.0	0.1	15.0	17.4	0.0
7	18.7	0.0	3.8	44.8	0.7	26.8	0.7	0.0	0.8	0.0	1.6	0.0
8	11.8	2.2	3.9	9.8	8.5	51.8	7.4	0.0	0.0	16.5	0.0	3.7
9	8.3	16.8	2.3	0.0	0.0	0.0	0.0	0.0	3.2	0.3	0.0	12.3
10	4.8	2.1	0.0	0.0	1.0	0.0	0.0	0.2	0.0	27.8	0.0	0.6
11	0.0	20.9	3.2	0.0	0.0	19.7	0.0	0.7	3.2	1.3	1.5	1.3
12	5.6	0.0	4.3	0.0	5.1	27.0	0.0	0.0	0.0	1.4	0.0	0.1
13	1.8	0.0	5.9	7.2	2.1	0.5	0.0	0.0	0.0	33.9	0.0	0.0
14	3.0	1.1	2.5	10.1	0.2	6.7	0.0	0.0	0.0	34.0	0.0	0.0
15	0.0	0.0	20.7	0.0	0.0	0.0	0.0	0.0	0.0	9.7	0.0	0.0
16	5.4	0.0	0.0	2.2	1.5	0.0	0.0	0.0	0.2	0.6	16.5	0.0
17	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	2.1	0.0	0.1	0.0
18	0.0	0.0	0.0	0.0	0.0	15.5	0.0	19.4	0.0	2.5	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.5	8.2	0.6	0.0	0.0	8.5	0.0
20	0.0	3.9	0.0	1.5	0.0	0.3	1.6	0.0	20.8	0.0	12.9	0.0
21	0.0	2.3	0.0	0.1	0.0	0.2	6.8	0.0	13.8	15.8	0.0	0.0
22	0.0	0.2	0.5	0.0	0.0	6.3	4.0	0.0	0.9	0.4	0.0	0.0
23	0.0	34.7	0.0	13.3	0.4	1.0	0.5	5.7	7.0	13.3	29.7	0.0
24	6.8	0.0	0.0	0.7	5.4	7.0	0.0	0.9	10.6	26.3	0.0	1.1
25	0.0	1.1	3.2	0.0	0.1	1.5	0.9	37.9	25.3	11.2	0.0	11.4
26	3.8	0.0	0.0	0.9	0.0	30.0	0.5	0.4	1.8	0.3	0.0	6.4
27	8.6	0.0	6.6	3.5	0.9	2.6	0.0	0.0	0.5	5.3	0.0	0.7
28	5.1	0.0	4.7	0.0	0.0	0.0	0.0	5.2	31.4	0.0	0.0	0.0
29	22.5	0.0	0.0	4.8	0.0	17.0	7.7	16.1	0.0	0.0	4.4	0.6
30	0.0	0.0	0.0	0.0	0.0	0.0	10.3	0.0	0.1	0.0	16.2	0
31	5.3	0.0	0.0	0.0	23.9	0.0	18.6	0.0	0.0	15.2	0.0	0.0
Total	145.2	127.3	123.1	159.7	89.1	224.5	84.6	88.8	152.9	266.2	119.4	77.6
D.L.I.	20	15	16	16	16	21	14	13	18	22	13	14

TOTALES ANUALES 1678.4 198

BRILLO SOLAR EN HORAS

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPTIEM	OCTUBRE	NOVIEMBR	DICIEM
1	3.0	1.1	7.3	6.4	1.6	4.3	5.2	4.9	4.0	5.4	3.1	6.7
2	2.4	6.2	7.7	6.2	4.4	4.2	6.3	5.4	6.5	4.7	6.8	0.7
3	6.0	4.9	3.9	3.1	1.7	0.0	8.8	9.4	7.3	6.7	4.3	8.5
4	6.2	2.1	3.4	6.9	5.7	7.3	6.1	9.4	5.3	2.9	0.0	1.0
5	4.5	9.0	0.0	2.2	5.4	2.3	5.4	8.4	2.6	6.9	8.6	2.7
6	7.7	8.4	7.2	5.5	0.9	4.7	6.3	9.1	4.5	8.0	5.6	6.3
7	8.2	5.8	4.5	7.5	4.4	8.0	4.1	10.5	4.1	10.4	1.1	7.7
8	7.7	8.8	4.5	8.2	3.7	8.4	6.9	9.2	6.0	3.1	5.2	7.9
9	7.1	4.1	7.0	0.2	6.5	5.1	8.4	8.0	4.6	4.7	9.1	6.0
10	1.4	3.8	9.3	4.7	0.0	6.1	6.8	7.5	3.7	6.2	6.5	2.5
11	2.1	4.7	6.8	6.8	6.6	5.4	6.6	5.0	5.8	4.0	0.2	4.8
12	9.4	8.1		0.0	5.1	6.2	8.4	5.7	6.8	4.7	3.8	5.1
13	5.2	7.1	4.7	4.9	2.9	3.0	8.3	1.4	9.6	7.0	2.4	2.2
14	7.0	7.8	0.7	0.4	6.5	7.4	7.3	6.1	5.6	5.0	9.6	0.5
15	5.8	9.6	2.9	4.6	7.9	8.6	10.5	7.2	9.7	3.0	7.8	5.8
16	8.4	10.4	1.1	7.5	10.2	7.2	0.1	0.2	9.3	4.9	8.0	6.2
17	7.9	3.8	7.2	9.9	8.6	3.8	5.7	6.5	8.0	0.2	5.1	8.4
18	10.0	10.3	7.4	3.7	1.5	6.4	5.1	7.6	4.4	5.4	5.5	8.4
19	7.7	7.7	6.9	8.3	3.3	5.8	1.2	5.1	7.6	5.5	6.8	7.2
20	6.6	5.7	3.9	7.1	7.3	4.6	3.7	4.2	1.9	8.3	7.1	8.9
21	6.0	2.9	8.0	8.7	7.0	5.6	2.4	6.7	6.0	7.5	0.0	7.3
22	7.5	4.6	4.2	8.8	5.6	4.9	4.7	5.8	1.1	8.5	7.4	4.3
23	7.0	3.7	8.7	8.5	2.2	1.7	6.9	2.2	7.2	6.3	7.3	9.4
24	3.0	8.8	5.8	0.9	5.6	3.9	5.4	9.7	8.7	4.6	2.6	3.8
25	3.7	9.1	9.5	6.4	5.7	2.6	3.8	7.7	8.2	1.9	1.4	5.1
26	6.4	3.6	0.1	4.8	4.9	8.2	7.9	6.8	3.6	4.7	8.7	4.0
27	0.4	7.1	8.0	7.6	7.1	6.3	5.2	5.7	6.5	1.7	9.1	1.0
28	2.2	9.0	0.1	6.7	4.5	6.1	8.5	5.0	0.0	0.3	3.6	1.3
29	7.9	0.0	8.7	6.3	5.7	8.3	7.8	1.4	7.6	4.4	3.0	5.6
30	4.4	0.0	8.7	4.2	9.5	3.5	10.4	5.3	6.4	5.6	7.7	6.9
31	5.5	0.0	8.6	0.0	4.5	0.0	4.6	5.2	0.0	6.7	0.0	9.2
Total	178.3	178.2	166.8	167.0	156.5	159.9	188.8	192.3	172.6	159.2	159.4	165.4

TOTAL ANUAL -2044.4

ESTACION: **AGUAS BLANCAS** MUNICIPIO: **SAN VICENTE** AÑO: **1.969**

ALTITUD: **1.200** LATITUD: **6°50' N.** LONGITUD: **73°29' W.**

L L U V I A E N M I L I M E T R O S

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPTIEM	OCTUBRE	NOVIEMBR	DICIEM
1	7.4	39.4	0.0	0.4	3.1	0.3	1.0	1.6	1.0	0.2	2.0	0.3
2	2.6	0.0	0.0	0.0	1.0	18.1	0.0	7.9	8.6	4.0	7.5	29.1
3	0.0	0.0	0.0	0.0	1.2	0.4	0.0	0.0	12.2	7.3	1.9	56.9
4	8.9	0.0	30.1	2.1	0.0	13.1	2.1	0.0	0.4	46.0	23.6	11.7
5	0.5	0.0	0.3	12.3	0.1	0.0	3.2	16.6	14.9	20.2	0.1	8.4
6	0.4	0.0	0.0	0.7	6.6	1.6	1.3	26.4	0.0	0.0	8.9	0.0
7	0.0	13.9	30.0	0.0	10.0	0.9	0.9	0.4	0.0	2.2	0.0	0.0
8	0.0	6.4	27.4	0.0	7.2	2.7	2.0	42.5	0.7	0.5	0.0	0.0
9	0.0	0.0	23.2	0.0	0.1	0.7	4.5	0.2	19.5	0.3	1.5	0.3
10	0.0	0.0	0.0	4.3	17.7	38.0	0.0	1.4	0.0	1.9	9.6	5.0
11	0.2	0.0	71.0	1.7	1.2	1.3	1.6	10.1	7.3	1.5	8.3	6.0
12	1.2	3.7	13.0	3.4	1.8	0.0	0.0	4.2	3.6	5.1	10.5	0.0
13	0.1	0.0	3.6	12.9	12.1	2.4	1.5	0.0	8.0	18.6	13.6	0.0
14	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.1	0.3	1.3	0.1	0.0
15	0.0	0.0	3.5	0.0	0.0	0.0	1.2	10.5	0.3	0.3	0.1	0.0
16	0.0	0.0	16.5	0.0	0.0	0.0	2.8	11.0	22.3	0.0	1.2	0.0
17	0.0	0.0	0.4	0.0	0.0	0.0	2.2	0.0	0.2	7.2	0.0	0.0
18	0.8	0.0	11.9	0.0	0.0	4.7	1.6	2.4	0.4	0.2	0.0	0.2
19	13.2	0.8	87.2	9.2	0.0	2.2	1.8	0.1	24.4	8.4	0.0	0.0
20	0.0	0.1	8.4	0.9	1.4	0.0	1.3	0.2	9.2	1.5	0.1	0.0
21	0.0	0.0	0.9	0.1	0.0	2.0	1.6	4.2	10.0	0.0	0.1	0.0
22	0.1	2.9	0.6	0.3	5.5	7.3	7.5	7.6	14.7	10.6	0.4	0.0
23	0.0	2.7	28.1	0.0	3.5	1.2	0.5	0.5	0.0	1.2	9.3	0.0
24	0.0	0.0	0.0	9.9	4.5	13.8	12.7	0.0	0.0	0.0	29.5	22.1
25	0.0	0.0	0.6	0.0	5.4	0.7	1.7	1.0	0.9	0.4	5.0	8.4
26	0.0	9.6	0.7	33.2	2.8	2.4	0.0	1.9	3.6	0.5	0.0	2.9
27	0.0	0.1	8.4	4.6	2.1	3.3	0.1	6.4	6.0	2.8	0.0	3.9
28	0.0	0.0	1.8	0.0	15.3	0.0	0.0	12.5	11.5	14.2	0.2	10.2
29	0.0	0.0	40.0	14.6	0.8	0.0	1.6	2.9	0.2	0.0	3.9	0.0
30	0.0	0.0	0.0	0.3	3.3	0.4	0.0	4.2	1.5	11.1	17.5	0.0
31	0.0	0.0	62.0	0.0	3.2	0.0	0.0	6.4	0.0	8.4	0.0	0.0
Total	35.4	79.6	469.6	110.9	112.1	117.5	54.7	183.2	181.7	175.9	154.9	165.4
D.LI.	11	10	23	17	24	21	22	26	25	26	23	14
TOTALES ANUALES							1840.9				242	

E R I L L O S C L A R E N H O R A S

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPTIEM	OCTUBRE	NOVIEMBR	DICIEM
1	0.0	3.0	6.6	2.7	3.3	3.0	6.7	4.7	8.0	6.6	2.5	0.8
2	1.4	2.7	3.4	3.3	1.0	6.0	7.2	5.3	7.2	0.9	2.6	
3	3.8	0.3	1.5	3.9	1.9	0.5	7.0	9.9	8.4	2.2	3.1	3.5
4	1.3	1.7	2.4	3.3	8.0	3.7	5.5	5.9	6.5	4.0	0.5	0.9
5	0.8	0.9	0.4	5.5	1.5	3.7	2.1	5.9	0.0	1.5	0.4	2.5
6	3.1	3.0	5.5	5.4	1.7	1.1	6.4	3.0	2.0	9.0	3.6	3.5
7	4.5	4.8	2.4	6.7	2.5	2.4	6.1	9.5	5.1	5.6	3.2	4.0
8	3.6	6.5	1.9	8.6	0.0	6.6	6.2	6.5	5.4	4.3	0.4	4.4
9	6.1	5.8	3.0	5.3	3.1	6.2	3.2	6.4	7.2	3.0	3.0	3.9
10	2.8	2.3	1.1	2.1	3.4	4.3	6.2	3.9	0.3	2.0	3.8	3.0
11	4.3	5.1	0.0	4.0	8.1	4.0	6.5	5.0	4.0	1.3	3.7	2.1
12	5.0	3.8	0.0	2.3	5.2	4.5	8.1	1.4	5.9	1.2	1.0	1.3
13	0.8	7.5	0.2	5.4	1.8	2.6	6.4	7.5	4.1	1.0	0.3	1.2
14	1.7	6.0	0.1	2.8	5.7	8.6	7.0	1.8	4.9	1.0	3.8	3.1
15	3.9	7.2	0.8	1.4	5.3	4.6	8.0	4.6	5.4	4.2	1.9	6.2
16	3.2	7.8	0.3	4.8	8.3	8.3	8.0	4.2	3.6	2.3	5.0	3.8
17	3.0	6.7	3.8	6.1	8.0	3.9	7.1	2.9	8.0	4.1	2.1	4.5
18	3.8	5.5	4.0	2.9	3.1	2.2	6.4	7.0	6.4	2.0	3.4	4.9
19	5.3	2.1	2.2	2.8	4.4	6.0	3.5	4.1	2.3	1.9	5.9	2.6
20	4.6	0.7	2.3	0.2	5.1	3.3	1.3	3.9	1.7	6.4	4.7	4.1
21	1.4	2.4	3.2	2.3	3.8	4.6	2.4	3.2	2.9	5.3	2.3	6.0
22	1.5	2.4	4.2	0.2	3.7	2.7	1.7	5.1	1.7	1.5	3.6	3.2
23	5.1	0.2	2.2	1.6	3.9	1.0	8.4	4.5	5.0	2.6	2.6	4.0
24	1.6	1.1	5.7	3.7	1.9	4.8	5.1	2.5	6.8	1.5	4.3	0.2
25	1.9	3.1	4.7	7.2	1.0	3.4	2.9	1.8	4.9	2.6	3.5	0.2
26	2.5	0.9	8.5	1.5	1.0	4.6	3.1	5.1	2.3	2.3	3.0	0.0
27	4.6	1.8	4.7	2.3	3.3	5.4	1.7	4.9	0.8	1.4	4.6	0.2
28	3.5	3.6	5.1	3.3	1.3	7.1	1.3	4.5	1.9	0.0	3.6	3.1
29	5.5	0.0	0.5	1.6	4.5	6.8	5.3	2.4	4.2	0.6	2.8	2.9
30	6.0	0.0	5.6	1.3	3.8	3.6	4.9	2.6	6.2	2.7	3.4	6.4
31	1.6	0.0	2.2	0.0	2.9	0.0	5.6	2.7	0.0	1.3	0.0	3.0
Total	98.2	98.9	88.5	104.5	112.5	129.5	161.3	142.7	133.1	86.3	86.6	89.5
TOTAL ANUAL -1333.6												

ESTACION: LUIS BUSTAMANTE MUNICIPIO: VILLARRICA AÑO: 1.989

ALTITUD: 1.610 LATITUD: 3-56 N. LONGITUD: 74-36 W.

LLUVIA EN MILIMETROS

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPTIEM	OCTUBRE	NOVIEMBR	DICIEM
1		5.4	0.0	10.4	10.3		0.0	9.2	0.0	2.0	9.2	20.1
2		4.1	0.0	19.3	1.0		0.0	16.0	0.0	0.6	7.8	9.8
3		41.7	0.4	3.7	10.2		24.0	2.7	0.0	1.9	4.8	9.7
4		12.7	1.4	0.1	12.3		3.8	0.0	0.1	0.0	1.8	10.0
5		0.0	3.8	0.9	0.0		0.0	0.0	15.3	8.3	7.4	7.2
6		0.0	5.2	4.6	3.8		0.9	1.9	0.0	7.4	0.3	2.5
7		31.3	1.8	0.0	0.0		4.1	2.5	0.8	5.4	8.9	0.0
8		0.5	36.9	0.0	0.0		5.7	0.0	1.5	0.0	18.3	0.0
9		0.0	0.2	2.0	1.7		17.5	3.7	12.5	9.8	12.4	8.0
10		15.2	14.8	2.8	0.0		0.0	5.2	2.2	0.0	14.8	0.0
11		0.0	13.3	0.0	0.0		0.0	1.5	0.8	3.3	5.7	2.7
12		0.0	28.6	0.0	1.7		0.5	1.6	2.7	3.7	5.8	3.2
13		5.1	13.1	0.0	10.6		1.8	0.5	5.6	46.2	1.1	0.0
14		1.3	10.5	0.0	2.5	4.3	0.3	0.0	0.6	10.5	38.6	0.0
15		0.0	0.0	9.2	0.6	0.0	3.7	0.0	0.0	9.7	0.8	0.0
16		22.6	11.0	0.0	1.1	0.0	0.1	0.0	0.8	26.7	4.2	0.0
17		6.2	2.4	0.0	0.3	0.4	3.0	0.0	0.0	5.6	0.3	0.0
18		0.5	17.0	4.1	3.9	0.4	0.7	6.0	15.0	5.2	1.0	0.0
19		1.5	9.5	0.8	8.3	0.0	0.6	3.2	1.3	9.7	0.0	0.0
20		0.2	10.4	1.8	9.8	1.1	0.0	0.0	4.1	5.5	1.3	0.0
21		1.3	12.8	5.6	2.3	1.0	0.0	3.4	1.4		0.0	0.0
22		0.7	5.2	0.8	4.8	4.1	3.2	9.6	6.8		0.3	0.5
23		28.8	28.1	4.7	0.5	0.1	0.2	14.2	0.9		1.0	0.0
24		10.3	0.1	0.2	18.9	1.1	0.0	9.7	9.3		0.1	1.6
25	0.0	6.5	2.1	5.9	0.5	0.0	7.7	0.0	2.5	1.8	0.0	17.5
26	0.0	6.7	1.3	10.4	10.6	2.0	0.4	1.8	0.4	2.6	0.0	31.6
27	22.8	0.0	8.6	0.6	0.4	0.0	0.5	3.5	0.3	6.1	0.8	12.0
28	0.0	0.0	3.8	1.0		0.0	0.3	1.0	1.3	6.0	1.2	24.8
29	3.2	0.0	0.0	0.0		0.7	0.0	0.0	22.7	37.7	19.2	0.1
30	0.0	0.0	0.0	0.0		3.2	0.3	1.1	7.9	1.1	0.2	0.0
31	5.2	0.0	6.7	0.0		0.0	0.0	0.0	0.0	1.6	0.0	0.0
Total		202.6	249.0	88.9			79.3	98.3	116.8		167.3	153.3
D.L.I.		20	26	20			21	20	24		26	15

TOTALES ANUALES

ERILLO SOLAR EN HORAS

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPTIEM	OCTUBRE	NOVIEMBR	DICIEM
1		0.0		0.0	2.0	1.3	3.6	7.9	0.9	7.1	0.5	0.9
2	2.6	1.4		0.5	0.5	0.0	5.7	3.7	3.6	7.5	4.2	0.1
3	3.3	0.0		0.0	0.3	6.9	1.7	4.2	0.2	2.5	3.0	2.5
4	0.3	0.5		4.6	0.5	4.3	3.2	5.4	4.2	1.7	2.0	0.7
5	0.4	1.5	0.0	2.0	3.8	1.2	0.2	5.7	4.4	2.6	4.8	0.9
6	0.3	1.5	2.8	5.4	1.8	0.8	3.2		3.3		6.5	2.6
7		0.2	0.1	0.0	4.2	4.5	4.3		4.8	3.2	1.8	3.1
8	2.3	3.2	4.4	3.3	3.4	6.0	3.0		2.4		1.7	2.4
9		0.0	5.1	0.6	3.6	1.1			4.3		1.0	2.4
10	3.6	1.4	7.9	4.4	0.7	2.1	6.4	1.3	2.7		2.8	0.5
11	0.4		1.4	2.1	3.1	1.9	2.8	1.0			0.7	2.1
12	4.0	3.9	1.5	5.8		0.6	3.2	0.3		3.0	0.5	1.3
13	0.7	0.0	6.8	1.3	0.0	5.3	3.1	2.4			2.2	1.4
14	4.0	2.6	0.6	0.1	1.2		2.3	3.2	0.1	1.8	2.7	1.1
15		5.4	2.3	3.6	7.6	3.8		2.5	1.3		4.0	5.5
16			0.5	6.1	0.5	2.6		1.2	1.0		2.9	4.6
17	0.3	0.0		3.8	4.6	7.2	0.2	9.0	1.9	0.8	1.1	4.1
18	1.6	5.7		6.0	3.4	3.9	1.8	2.5	2.7	3.7	2.0	5.5
19	2.1	0.0	3.8	3.5		3.9	1.3	5.6	0.9		1.5	3.2
20	1.7	3.6	0.3	2.1	3.3	7.5	1.5	2.7	3.2		2.6	3.2
21		3.6	6.1	0.9	0.3	1.1	1.5	1.6	2.1	1.7	1.4	3.7
22		2.0	3.8	0.3	4.6	5.0		3.5	2.3	2.3	0.2	3.5
23	2.5	0.0	1.2	5.6	5.7	0.8	6.1	5.1	1.9	0.2	0.1	5.7
24	4.3	0.0	0.4	1.4	1.3		4.8	4.4	0.1	0.0	1.8	1.6
25	2.0	1.1	0.4	4.4	3.8	3.1	3.0	0.4	1.5	1.7	1.6	0.6
26	5.7	3.4	3.5	2.3	3.0	7.2	1.1	2.1	5.1	3.0	4.4	0.5
27	0.0		2.2	0.1	0.8	2.5	2.8	1.8	1.4	1.1	1.9	3.0
28		6.4		2.5	3.1	2.6		0.5	1.8	1.6	0.9	1.9
29	2.8	0.0	5.3	1.9	4.3	2.3	4.8		2.4	1.3	2.4	5.0
30	0.8	0.0		1.7	5.1	6.6	3.5		1.2	1.6	0.2	3.6
31	1.9	0.0		0.0	7.3	0.0	1.5		0.0	0.1	0.0	5.2
Total											63.4	82.4

TOTAL ANUAL -

ESTACION: LA MONTAÑA MUNICIPIO: DOLORES AÑO: 1989

ALTITUD: 1.260 LATITUD: 3-33 N. LONGITUD: 74-54 W.

LLUVIA EN MILIMETROS

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPTIEM	OCTUBRE	NOVIEMBR	DICIEM
1	0.0	8.2	0.0	3.4	28.9		2.9	0.0	0.0	0.0	0.0	11.3
2	28.0	0.0	0.0	3.6	32.2		0.7	0.0	0.0	0.0	3.3	11.1
3	0.0	18.9	0.0	37.0	1.4		0.0	10.0	0.0	12.6	17.0	1.1
4	6.0	3.6	0.0	0.9	0.8		0.0	0.0	3.1	0.0	43.9	0.3
5	0.0	0.0	13.6	0.0	34.2		0.0	2.5	5.4	0.0	0.1	19.6
6	2.0	0.0	38.7	0.0	1.1		0.8	0.0	1.4	4.1	21.1	0.6
7	5.0	0.0	15.6	0.1	0.0		0.0	0.0	0.0	0.3	39.2	0.0
8	0.0	0.4	17.6	0.5	0.5		0.0	0.0	3.9	1.8	4.9	0.1
9	0.0	1.1	70.3	0.0	0.3		0.0	0.1	0.1	6.3	3.2	4.6
10	0.0	1.5	3.7	1.3	0.5		0.0	0.4	0.0	60.6	1.5	1.4
11	0.0	0.0	20.7	0.0	0.0		0.0	0.0	1.6	8.4	13.8	24.3
12	0.0	0.0	9.3	0.0	2.3		0.3	0.4	0.0	1.2	4.2	16.6
13	0.0	0.0	25.2	0.0	2.0		0.0	1.9	0.0	15.2	10.0	0.0
14	0.0	2.5	56.1	5.9	0.0		0.0	0.7	0.0	0.0	0.0	1.1
15	0.0	0.0	84.4	0.1	1.3		0.0	1.3	1.4	1.0	0.0	0.0
16	0.0	0.0	14.8	0.0	0.0		0.0	0.0	0.0	0.0	6.3	0.2
17	0.0	1.5	65.1	0.2	0.0		0.0	0.0	0.0	0.0	1.9	0.0
18	0.0	0.1	0.1	13.0	2.9		0.0	0.0	0.0	9.9	6.5	0.0
19	0.0	0.9	87.9	0.0	0.0		0.0	0.3	0.0	0.6	0.0	0.0
20	2.0	0.0	29.0	0.0	0.0		0.6	0.3	5.3	0.1	0.1	0.0
21	2.0	0.0	33.0	0.0	0.0		0.0	0.7	0.1	6.9	4.4	0.4
22	0.0	15.9	0.0	1.3	0.0		2.1	0.0	0.1	4.0	7.5	0.0
23	0.0	29.1	0.0	0.3	1.9		0.0	9.2	0.0	31.3	0.0	0.1
24	0.0	17.6	0.0	1.0	1.8		3.3	0.0	1.3	2.1	0.0	31.4
25	0.0	6.4	0.0	17.3	1.3		0.0	0.0	3.2	2.2	0.0	0.1
26	6.0	3.7	9.6	0.5	0.6		2.2	11.5	0.0	2.1	0.0	5.8
27	19.0	0.0	27.3	0.3	10.0		0.0	0.0	4.5	8.7	0.0	0.0
28	0.0	0.0	2.0	0.9	5.0		1.1	9.7	0.3	3.1	0.8	3.0
29	0.0	0.0	0.0	0.0	3.0		1.5	0.0	0.0	0.0	19.2	0.0
30	0.0	0.0	0.0	3.3	0.0		0.0	0.5	0.0	0.0	0.7	0.0
31	0.0	0.0	7.8	0.0	0.0		0.0	0.0	0.0	0.0	0.0	9.3
Total	70.0	111.4	631.8	90.9	132.0		15.5	49.5	31.7	182.5	209.6	242.4
D.L.I.	8	15	21	19	20		10	15	14	21	21	20

TOTALES ANUALES

ERILLO SOLAR EN HORAS

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPTIEM	OCTUBRE	NOVIEMBR	DICIEM
1		0.3		2.6	0.0		7.2				0.3	2.9
2	0.1	1.8	8.4	0.8	4.8		7.9			6.4	5.6	1.1
3	1.9	0.5	7.6	0.4	0.5		6.3	8.2		4.0	0.6	4.2
4	1.5	0.7	0.9				5.2	7.3		0.4	4.5	4.1
5	0.2	4.4	0.0		6.2		4.5	7.2	1.6	5.8	4.0	3.6
6	1.4	7.6	4.4	2.7			2.1	7.9	0.1	7.7	6.2	2.5
7	2.4	1.3	1.6		4.5			10.4	3.6	8.1	2.9	8.0
8		5.5	0.2		3.0			8.4	6.6	3.1	4.0	6.2
9		3.3	3.6	0.9	6.9			4.7	1.5	3.8	3.4	0.6
10		0.9	3.2	5.4	5.5			3.6	2.3	0.5	2.4	3.7
11		2.7	0.9	5.4	10.8		8.2	7.7	7.2	1.0	4.0	2.8
12		7.3	1.3	2.2	5.6		6.9	6.7	7.1	3.2	3.9	4.3
13	4.4	5.7	0.0	1.3			6.1	5.8	5.8	2.2	4.0	0.9
14	4.6	5.4	0.3	1.5	4.4		8.8	5.0	7.7	5.0	6.0	0.5
15	3.6	6.1	3.0		4.9		4.6		6.5	3.9	6.6	6.4
16	7.9	6.8	0.9		9.1		5.4		7.2	6.2	2.4	2.8
17	5.5	1.2	6.2		6.2		6.4	5.2	1.9	7.2	2.0	4.5
18	5.4	3.4	0.8		6.8			5.1	7.4		5.9	6.3
19	9.7	3.0	3.1		8.5		0.9	5.4	4.7		5.5	7.2
20		2.2	1.0		7.6		4.7	4.5	0.2		7.5	6.7
21	2.6	4.8	3.9		0.8		3.5	2.9			2.5	5.2
22	1.0		5.3		1.4		0.2	9.2	2.6		0.9	7.5
23	8.4		7.1		0.1		3.8	5.3			1.8	8.7
24	6.5	3.7	0.5		4.2		1.6	9.2			5.0	4.0
25		5.3	7.7		2.2			4.4	1.2		3.5	5.2
26		3.0	4.2						6.7		6.3	6.1
27	3.7	6.6	2.1						3.4		4.6	4.8
28	0.6	6.9	2.7					3.9	5.7		3.4	1.3
29	2.6	0.0						3.3	5.4		8.6	4.9
30	4.8	0.0						3.0	3.8		2.1	3.8
31	3.1	0.0	1.0	0.0	7.2			3.8	0.0		0.0	7.9
Total											120.4	138.7

TOTAL ANUAL =

ESTACION: LA SELVA MUNICIPIO: GINEBRA AÑO: 1.989

ALTITUD: 1.800 LATITUD: 3-40 N. LONGITUD: 76-18 W.

L L U V I A E N M I L I M E T R O S

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPTIEM	OCTUBRE	NOVIEMBR	DICIEM
1	4.0	0.8	0.0	54.0	18.7	8.5	1.2	0.0	0.0	0.4	0.0	85.2
2	37.0	3.1	0.0	0.0	1.6	0.2	0.2	0.0	0.0	6.9	2.6	3.9
3	0.0	9.3	0.0	0.1	9.9	0.0	0.0	0.0	18.4	45.9	11.0	11.1
4	9.3	0.0	15.9	1.8	2.7	0.3	0.0	0.0	0.1	9.0	1.9	15.6
5	0.0	0.0	1.2	14.0	41.6	24.3	0.0	0.0	5.6	0.4	14.5	2.6
6	0.3	0.0	45.6	0.0	0.2	2.5	5.4	0.6	0.4	0.1	43.2	0.0
7	0.2	0.0	16.2	0.0	41.2	0.0	2.3	0.0	0.0	0.0	5.2	0.0
8	1.0	1.5	1.1	0.0	10.8	0.0	0.0	0.0	3.0	3.9	11.3	0.0
9	39.2	23.4	27.9	0.0	0.0	0.7	0.0	9.4	2.0	5.4	0.0	0.9
10	1.8	0.0	3.9	0.3	2.0	1.1	0.0	0.0	0.0	25.7	5.4	1.5
11	0.0	0.0	14.0	0.0	0.0	0.5	0.0	0.0	0.4	8.2	1.3	4.1
12	39.3	0.0	1.4	0.0	5.1	0.2	0.0	0.0	0.0	0.1	0.0	8.8
13	0.0	0.0	1.9	0.0	3.6	0.4	0.0	0.0	2.6	33.2	0.7	0.0
14	0.0	1.5	27.6	7.9	0.3	0.0	0.0	0.2	0.2	2.7	1.3	0.0
15	0.0	0.6	21.8	0.6	0.0	6.3	0.0	0.0	0.0	9.2	0.0	0.0
16	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	2.6	0.0
17	1.2	2.1	7.7	0.0	0.0	0.6	0.0	0.0	1.0	28.6	12.5	0.0
18	0.0	0.0	0.0	30.7	1.3	0.7	0.0	0.0	0.0	1.0	0.0	0.0
19	0.0	0.0	5.3	0.0	0.0	0.3	0.3	0.2	0.0	0.0	0.0	0.0
20	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	3.3	0.0	18.7	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	11.1	12.5	0.0	0.0
22	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	5.9	12.8	5.1	1.9
23	0.0	3.3	0.0	0.2	0.2	9.1	0.0	0.0	4.5	12.2	1.5	28.4
24	0.0	0.0	0.0	4.5	7.5	1.0	84.3	0.0	0.2	3.3	0.0	15.6
25	0.0	0.0	0.0	0.0	7.1	0.1	36.3	1.2	3.9	0.0	0.0	26.2
26	9.4	0.2	0.0	7.0	1.9	1.2	0.0	0.0	0.2	12.6	0.0	0.4
27	1.4	0.0	26.7	22.0	26.6	0.0	0.0	0.0	35.9	9.2	0.8	0.2
28	1.9	0.0	0.5	14.0	0.2	2.2	0.0	0.1	1.3	0.9	5.9	55.2
29	16.7	0.0	0.0	107.1	2.5	0.0	0.0	6.5	2.5	1.5	24.0	0.0
30	29.6	0.0	0.0	0.0	0.0	0.0	3.9	0.7	0.0	0.2	0.0	0.0
31	7.7	0.0	2.6	0.0	0.0	0.0	2.4	0.7	0.0	7.9	0.0	4.9
Total	200.0	48.7	221.6	264.2	185.1	60.4	136.5	22.6	102.6	253.8	168.7	266.5
D.L.I.	16	11	18	14	21	20	10	11	21	26	18	17

TOTALES ANUALES 1930.7 203

E R I L L O S O L A R E N H O R A S

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPTIEM	OCTUBRE	NOVIEMBR	DICIEM
1	0.1	0.5	7.9	3.9		5.5	4.3	6.1	7.0		1.6	1.1
2	0.0	0.4			0.7	4.4	4.1	5.5	7.3	3.5	0.3	0.0
3	1.9	1.1		0.3	1.6	2.1	8.4	8.3	5.3	2.4	1.6	2.0
4	1.3	0.0		3.8	2.8	3.5	6.6	8.0	2.8	1.8	0.3	0.7
5	0.1	4.5		1.5	2.2	4.4	1.9	4.8	0.1	1.9	5.4	1.4
6	0.9	3.7		0.5	0.0	4.6	5.3	4.3	0.2	7.9	2.0	1.2
7	1.8	1.7		3.3	0.7	1.9	6.2	8.3	2.8	3.2	0.7	5.8
8	2.4	5.0		2.7	1.5	3.1	6.0	6.7	2.5		0.6	6.4
9	1.5	5.1		0.0	2.7	2.7	8.0	5.6	2.3	2.1	6.7	1.4
10	0.9			3.2	0.8	5.3	6.4	3.3	0.8	1.3	2.8	0.8
11	0.9	4.0		4.6	7.2	5.5	9.6	3.1	1.4	0.1	0.0	2.4
12	4.0		0.3	0.8	0.8	4.0	6.5	7.0		1.6	2.2	2.0
13	1.0	3.1	1.0	2.9	1.3	3.9	4.4	1.5		0.8		0.5
14	4.7		0.0	0.0	3.4	6.8	8.1	3.7		0.5		0.9
15	5.3	3.6		0.9	5.3	5.7	9.3	3.7		1.3	3.6	4.1
16			0.0	3.3	8.2	4.3	2.4	0.4		2.9	3.1	3.5
17		6.3	4.0	8.1	6.3	2.2	5.6	6.3		1.5	2.7	4.5
18		7.0	2.7	1.1	2.3	3.0	2.6	9.2		1.1	2.0	5.0
19			5.5	5.5	2.5	2.3	1.8	3.9		5.9	4.9	6.1
20	4.7		2.7	0.5	7.6	3.3	1.3	4.0		3.8	1.0	6.5
21	4.3		7.0	4.8	2.6	1.5	3.0	3.4		0.6	0.7	5.5
22	3.0		7.6	6.0	2.2	3.0	0.9	3.4		1.2	2.1	5.7
23	3.8	6.0	6.8	2.4	0.3	1.3	4.2	0.8		1.0	3.1	0.2
24	4.1		3.6	1.0	0.4	0.8	4.4	6.4		3.4	0.6	1.1
25	0.0	1.8	7.5	6.6	0.3	1.9	4.3	5.5		1.0	2.7	2.0
26	4.4	3.4	3.7	1.8	2.7	2.6	3.2	4.1		0.8	6.0	0.1
27	1.0	6.1		0.5	5.7	0.5	7.5	4.4		0.8	6.2	1.6
28	0.1	5.0	2.5	3.0	4.6	7.5	5.4	1.2		0.0	4.4	0.5
29	2.3	0.0	8.6	2.9	5.1	5.7	5.6	0.4		0.1	1.3	2.8
30	3.4	0.0	8.8	3.0	4.2	3.3	4.9	1.6		0.7	4.0	7.4
31	1.0	0.0	5.9	0.0	4.7	0.0	3.6	2.5		2.5	0.0	2.8
Total						106.6	155.8	137.4				86.0

TOTAL ANUAL -

ESTACION: **LLANADAS** MUNICIPIO: **MANZANARES** AÑO: **1.989**

ALTITUD: **1.420** LATITUD: **5-13 N.** LONGITUD: **75-08 W.**

L L U V I A E N M I L I M E T R O S

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPTIEM	OCTUBRE	NOVIEMBR	DICIEM
1	15.1	77.1	0.0	37.9	13.5	1.4	5.5	0.0	4.0	7.1	5.4	9.8
2	2.9	21.2	0.0	36.7	0.0	16.3	6.8	0.0	0.0	33.9	24.1	7.9
3	6.6	7.1	27.3	4.0	0.0	6.5	0.0	11.3	23.8	0.0	11.5	1.3
4	18.2	0.1	16.7	20.6	2.1	0.0	0.0	0.0	2.4	6.9	10.2	5.7
5	0.4	0.0	1.2	2.7	42.2	0.4	0.0	4.5	12.6	3.9	17.2	24.0
6	1.4	0.0	0.3	0.0	0.0	19.9	0.0	0.0	3.8	33.3	5.3	0.0
7	1.7	31.3	8.0	0.5	42.9	8.6	0.0	0.0	8.3	6.1	1.9	0.0
8	1.3	51.9	13.6	4.0	11.0	0.3	0.0	1.5	0.0	5.4	70.1	0.0
9	0.0	18.5	3.0	0.7	5.3	0.0	0.0	29.9	14.4	10.0	59.6	5.8
10	0.1	57.4	13.6	2.6	6.2	0.0	0.0	1.4	3.9	24.3	15.4	26.7
11	2.6	0.5	11.7	5.8	3.1	46.5	0.0	1.3	34.2	10.5	20.0	12.1
12	0.7	27.7	7.9	26.8	36.6	6.5	0.0	3.3	57.1	0.2	5.1	2.3
13	44.3	4.8	8.8	0.0	1.3	1.4	0.0	0.0	8.1	16.5	0.1	0.7
14	0.0	12.2	25.1	0.2	2.5	0.5	0.0	4.1	7.0	9.0	0.2	0.3
15	0.0	0.0	44.1	1.6	0.1	0.0	0.0	0.1	0.0	1.4	1.8	0.0
16	12.1	0.7	32.0	20.9	0.0	0.0	0.1	0.0	0.0	6.5	19.0	0.2
17	0.4	0.6	4.8	0.8	0.0	0.0	0.0	0.0	0.0	51.3	0.2	0.0
18	12.9	21.9	4.8	15.4	0.0	3.0	0.0	0.0	0.0	11.5	0.0	0.0
19	2.5	0.5	0.6	0.0	3.1	0.0	12.3	0.0	3.8	3.5	0.0	0.0
20	0.0	2.5	19.0	0.0	0.0	2.2	1.6	0.9	18.9	15.2	10.2	5.8
21	26.6	0.0	26.4	4.1	0.1	2.8	0.3	34.8	16.5	60.0	0.2	0.0
22	0.4	0.1	1.3	0.5	0.3	35.6	0.1	2.5	3.7	0.0	4.7	0.0
23	0.2	2.9	3.4	0.3	1.7	19.9	2.1	1.8	14.5	0.0	0.0	1.4
24	5.0	5.9	2.8	0.0	58.1	3.5	30.2	0.0	16.4	11.0	0.0	0.0
25	0.0	16.0	1.7	0.1	8.8	14.0	35.0	7.2	9.5	2.8	0.1	0.8
26	4.5	1.3	3.6	2.2	4.4	1.7	0.0	13.3	0.1	2.3	0.0	2.4
27	6.0	0.2	31.4	29.5	36.0	17.8	0.0	0.4	52.9	34.0	0.1	30.0
28	9.1	0.0	12.1	3.7	13.1	0.2	0.0	19.9	104.8	0.0	0.0	4.8
29	8.7	0.0	0.0	9.5	0.0	26.0	26.2	33.2	0.0	0.1	0.5	0.0
30	31.7	0.0	0.0	0.0	0.0	0.7	9.6	0.5	0.0	1.9	0.0	0.0
31	19.3	0.0	20.1	0.0	0.0	0.0	10.9	0.0	0.0	31.8	0.0	0.0
Total	234.7	362.4	345.3	231.1	252.4	235.7	140.7	171.9	420.7	400.4	282.9	142.0
D.LL.	26	23	27	24	21	23	13	19	22	27	23	18
TOTALES ANUALES							3260.2				266	

SANTA ANA FALESTINA **1.989**

1.250 **5-01 N.** **75-40 W.**

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPTIEM	OCTUBRE	NOVIEMBR	DICIEM
1	29.0			10.6		0.0	0.0	0.9	0.0	1.1	14.3	29.7
2	0.0			0.0		1.8	3.8	0.1	0.0	20.2	3.5	1.8
3	6.3			1.8		0.8	0.0	0.0	16.5	0.0	7.6	0.4
4	28.0			27.1		5.8	0.0	0.0	2.3	4.3	12.2	11.2
5	0.0		0.1	0.0		0.0	7.3	10.0	5.2	2.1	0.0	7.4
6	7.2		3.4	15.3		3.7	0.0	0.0	4.7	9.3	7.0	0.0
7	9.0		0.0	20.7		4.2	2.5	0.0	1.0	0.1	8.8	0.0
8	0.3		4.0	7.8	8.8	0.5	0.0	10.6	8.6	3.0	0.1	6.6
9	0.0		0.0	0.0	3.6	1.9	0.0	1.1	1.4	24.7	0.0	33.6
10	1.2		0.0	3.1	12.8	12.2	0.0	2.1	4.2	23.0	4.9	0.2
11	1.7		40.5	0.0	23.8	14.3	0.0	1.0	14.5	5.5	8.3	17.7
12	1.7		12.5	0.1	12.3	25.2	0.0	8.3	2.7	0.0	0.0	0.0
13	6.0		15.0	1.6	1.7	0.8	0.0	0.1	33.6	20.3	0.0	0.0
14	0.0		1.5	1.1	0.8	0.0	0.0	7.1	2.0	4.4	0.0	0.0
15	0.3		18.1	0.1	0.0	0.4	0.0	58.7	0.0	0.3	3.9	0.0
16	0.0		1.1	3.6	0.0	0.0	0.0	12.5	0.2	0.1	0.0	0.0
17	0.0		0.4	0.0	0.0	5.6	0.0	0.0	5.6	3.0	59.3	0.0
18	0.4		0.0	0.0	11.9	25.8	0.0	24.2	4.1	3.2	0.0	0.0
19	0.2		0.0	0.0	0.6	3.0	13.7	45.2	0.7	1.5	16.3	0.0
20	0.0		0.0	0.0	0.0	0.0	6.2	1.9	0.0	1.1	4.5	0.0
21	0.0		0.0	0.0	0.0	7.8	3.4	1.7	16.2	2.6	0.0	0.0
22	0.0		0.0	42.8	20.6	9.0	14.4	0.0	2.7	36.1	3.5	0.0
23	0.0		24.8	40.9	21.6	0.0	2.5	8.8	0.0	7.9	25.9	0.3
24	0.0		1.0	1.1	33.9	1.4	0.9	0.0	0.4	0.0	0.0	2.8
25	70.0		0.7	0.0	4.1	4.7	23.5	48.5	129.6	0.1	0.2	20.5
26	5.8		1.2	7.5	0.0	21.1	7.6	0.8	0.0	30.0	0.0	0.0
27	0.0		23.1	33.1	4.6	45.8	0.0	0.0	0.5	35.1	0.0	0.0
28	3.9		0.9	0.0	10.6	5.1	0.0	59.7	5.4	0.7	21.1	6.2
29	3.3		0.0	9.0	0.0	11.9	8.3	20.6	0.0	0.0	0.0	0.0
30	1.5		0.0	0.1	0.0	2.1	8.2	0.0	0.0	13.1	23.3	0.0
31	0.0		1.7	0.0	28.4	0.0	26.9	0.0	0.0	21.4	0.0	0.0
Total	175.8			227.4		214.9	129.2	323.9	262.1	274.2	224.7	138.4
	18			19		24	14	21	22	27	18	13
TOTALES ANUALES												

L L U V I A E N M I L I M E T R O S

ESTACION: LA ROMELIA **MUNICIPIO:** CHINCHINA **AÑO:** 1.989

ALTITUD: 1.400 **LATITUD:** 4-56 N. **LONGITUD:** 75-42 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	18.5	0.1	0.0	7.2	30.6	0.0	8.8	0.5	0.0	30.2	7.2	27.0
2	0.0	0.0	0.1	0.0	0.6	3.0	14.1	0.3	0.0	28.2	0.0	2.1
3	11.2	8.0	21.8	0.0	1.0	0.0	0.0	0.0	24.8	8.4	2.6	11.2
4	11.8	15.0	0.0	31.9	2.3	0.5	0.0	0.0	21.8	0.0	4.4	5.0
5	0.0	0.0	4.3	0.0	15.8	15.4	2.6	2.3	5.5	2.2	0.0	2.4
6	1.9	0.0	9.3	54.8	3.8	15.0	0.2	0.0	1.0	5.1	9.4	0.0
7	30.3	0.0	24.9	44.8	30.8	0.0	3.3	0.0	0.1	0.0	3.2	0.0
8	13.6	0.0	21.3	0.1	12.9	9.2	8.9	25.9	9.8	19.0	0.0	1.3
9	2.1	40.6	0.0	0.0	4.7	2.4	0.0	0.3	7.3	0.1	0.0	7.8
10	0.7	2.9	0.0	1.7	9.1	8.0	0.0	0.4	0.4	58.6	9.7	0.3
11	3.2	13.4	43.0	0.0	5.1	8.6	0.0	0.1	3.2	3.0	8.1	43.8
12	1.6	0.2	39.7	0.0	16.5	29.1	0.0	5.2	12.7	3.0	0.0	0.0
13	34.8	0.0	40.2	0.0	2.0	0.2	0.0	0.9	11.9	49.3	0.0	0.0
14	2.9	10.4	2.2	15.0	0.2	0.0	0.0	23.4	0.0	0.4	0.0	13.3
15	1.0	3.3	18.4	0.0	19.4	12.1	0.0	24.3	0.0	0.1	8.5	8.4
16	16.4	0.0	11.4	2.6	0.0	0.0	0.0	0.0	4.4	0.0	53.4	0.0
17	43.7	0.0	0.3	0.0	5.5	3.9	0.0	0.0	25.7	3.5	0.0	0.1
18	0.6	0.0	0.0	0.0	12.7	9.4	19.8	15.2	2.1	3.7	0.0	5.6
19	7.1	0.2	1.4	0.0	0.0	7.4	10.6	5.5	6.2	1.1	2.9	0.0
20	0.0	0.0	0.0	0.0	0.0	0.2	2.9	1.5	0.0	0.1	7.7	0.0
21	0.0	2.4	2.7	0.0	0.0	14.8	0.6	1.3	56.1	0.7	0.0	0.0
22	0.0	44.0	0.0	0.4	6.1	8.0	5.1	0.0	4.8	25.3	2.7	0.0
23	0.0	11.6	11.1	53.3	42.7	0.3	4.5	7.5	0.8	3.9	75.2	5.4
24	0.0	0.0	27.6	3.8	33.6	7.3	0.1	0.2	6.3	0.3	5.2	4.4
25	0.0	0.4	1.5	0.0	6.7	5.1	30.5	61.7	28.8	0.1	0.0	37.0
26	8.5	0.0	0.0	5.0	0.0	11.6	4.8	0.4	0.0	7.9	0.0	0.4
27	24.0	0.0	34.7	40.8	6.8	9.1	0.0	0.0	0.0	43.7	0.0	0.0
28	0.2	0.1	7.7	20.4	0.7	5.6	0.0	76.7	7.0	0.5	1.4	2.1
29	2.0	0.0	0.0	4.0	0.0	0.2	21.2	12.7	0.0	0.0	4.1	0.3
30	9.7	0.0	0.0	0.0	1.2	2.6	1.9	0.1	0.0	18.0	23.6	0.0
31	6.6	0.0	7.2	0.0	9.2	0.0	47.0	0.0	0.0	25.8	0.0	0.0
Total	252.4	152.6	330.8	285.8	280.0	189.0	186.9	266.4	238.7	342.2	227.3	177.9
D. Ll.	23	15	21	15	25	25	18	22	21	27	17	19

TOTALES ANUALES 2530.0 mm. 248 Dias lluvia

ESTACION: SANTA ROSITA **MUNICIPIO:** EL PEÑON **AÑO:** 1.989

ALTITUD: 1.430 **LATITUD:** 5-17N **LONGITUD:** 74°17'W

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1									0.0	43.2	4.5	57.4
2									5.4	0.0	10.6	2.8
3									1.6	15.5	1.5	5.8
4									0.0	18.3	0.0	0.0
5									23.5	0.0	0.0	8.7
6									46.5	1.1	0.0	0.0
7									12.7	44.6	0.0	0.0
8									20.6	5.1	0.2	0.0
9									24.1	13.9	0.0	0.4
10									20.0	6.5	0.0	8.1
11									21.6	6.0	2.7	0.8
12									7.8	55.2	16.2	0.0
13									1.0	21.9	0.7	0.0
14									23.8	66.8	18.8	0.0
15									0.1	15.2	7.0	0.0
16									0.0	2.4	15.2	0.0
17									2.3	0.6	3.9	0.0
18									0.0	0.1	8.0	4.0
19									1.0	2.5	15.0	0.0
20									2.5	0.3	5.7	0.0
21									29.3	5.5	0.0	0.6
22									0.5	0.0	3.6	0.0
23									0.0	15.9	2.3	23.0
24									0.2	10.1	0.0	0.0
25									15.9	1.7	0.0	0.3
26									0.1	1.8	0.0	0.0
27									20.3	36.6	0.1	0.0
28									15.8	0.0	0.2	0.0
29									0.0	24.3	23.7	0.0
30									0.0	0.0	8.3	0.0
31									0.0	6.8	0.0	0.0
Total									296.6	421.9	148.2	111.9
D. Ll.									23	26	20	11

TOTALES ANUALES mm. Dias lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: PLANTA DE TRATAMIENTO MUNICIPIO: PEREIRA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 4-48 N. LONGITUD: 75-40 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	19.5	0.7	0.0	2.4	48.3	7.5	0.0		0.0	9.4	7.1	35.3
2	0.2	5.1	17.2	0.9	2.4	5.3	0.0		0.0	0.2	1.2	1.0
3	16.8	16.1	1.4	1.3	4.6	0.0	0.0		31.0	12.9	23.2	26.0
4	23.9	0.3	3.4	66.4	8.4	10.6	0.0		9.6	6.1	14.9	2.9
5	0.0	0.0	9.9	7.1	31.1	30.2	1.7		58.5	3.4	0.8	3.7
6	0.5	11.5	34.5	0.0	0.0	2.0	0.0		2.1	12.8	30.6	0.0
7	40.0	0.1	8.5	33.2	30.0	0.4	0.7		5.5	15.9	0.0	3.6
8	0.4	0.7	19.3	0.0	16.4	0.2	1.5		0.1	2.6	3.9	0.0
9	5.9	54.8	0.3	0.1	0.0	0.8	0.3		10.1	1.6	0.0	48.2
10	0.0	12.3	35.6	0.3	10.1	4.1	0.0		0.0	23.5	86.6	0.1
11	0.0	35.9	1.6	5.6	3.0	38.7	0.0	4.2	1.5	2.7	0.5	5.5
12	14.2	2.9	0.0	0.0	25.0	4.8	0.0	0.0	0.0	1.2	0.2	4.8
13	50.0	0.0	6.8	4.9	2.0	0.8	0.6	14.0	0.2	13.0	0.0	0.0
14	39.0	1.6	8.6	0.0	1.2	0.5	0.0	0.0	0.0	7.2	23.5	0.0
15	0.9	0.1	24.3	0.0	7.5	13.3	0.0	3.8	0.0	4.5	20.5	0.0
16	19.3	0.0	1.1	13.8	0.3	0.0	0.0	0.4	0.0	3.0	13.9	0.0
17	12.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	50.5	38.9	0.8	7.0
18	0.0	0.0	0.0	0.0	2.9	15.8	0.0	0.0	10.9	4.7	3.4	0.0
19	1.3	1.4	0.0	0.0	11.9	2.3	15.0	4.1	0.9	1.1	7.3	0.0
20	0.0	0.0	6.5	0.0	0.0	1.6	11.6	0.0	29.2	1.2	28.4	3.7
21	0.2	0.7	0.4	41.7	0.0	1.1	0.0	3.6	14.5	0.2	0.0	15.9
22	6.8	1.9	0.0	33.4	1.5	39.9	8.4	0.0	1.0	0.0	0.0	0.0
23	0.0	33.1	4.8	10.0	2.2	3.8	7.9	21.4	2.1	5.5	18.9	0.9
24	0.0	0.0	0.0	0.7	29.6	4.5	17.0	1.2	25.7	10.4	1.0	0.0
25	0.0	4.8	11.0	0.3	0.3	2.8	13.0	29.7	13.4	26.0	4.2	9.5
26	14.1	2.5	18.2	4.8	0.3	22.4	2.7	0.6	20.0	0.5	1.6	0.8
27	30.1	1.5	0.4	59.0	33.5	1.3	0.3	0.0	0.0	3.7	0.6	0.4
28	1.7	0.0	2.2	0.0	1.7	0.0	0.7	3.9	3.1	2.1	0.0	0.5
29	1.5	0.0	0.0	10.5	0.0	0.0	0.0	27.5	0.0	11.9	17.6	0.3
30	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.0	72.2	21.9	0.0
31	0.5	0.0	2.2	0.0	40.5	0.0	0.0	1.5	0.0	35.8	0.0	9.2
Total	308.3	188.1	218.2	296.4	314.7	214.7	81.4		291.9	334.2	331.8	179.3
D. Ll.	23	21	22	19	24	24	14		21	30	23	20

TOTALES ANUALES mm. Días lluvia

ESTACION: EL BREMEN MUNICIPIO: CIRCASIA AÑO: 1.989

ALTITUD: 2.040 LATITUD: 4-40 N. LONGITUD: 75-37 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	16.3	0.2	0.0	28.9	34.6	18.9	0.1	0.1	0.0	1.5	16.8	50.9
2	22.7	14.5	19.3	0.1	0.3	11.8	0.9	0.0	0.0	2.3	0.0	19.1
3	6.8	24.6	1.1	0.8	7.0	0.5	0.0	0.0	0.4	0.4	7.7	37.4
4	2.8	0.2	3.5	3.9	4.1	0.8	0.0	0.0	10.7	24.2	9.5	1.0
5	0.3	0.0	3.6	0.0	1.0	3.4	0.9	2.8	16.1	10.2	13.4	8.5
6	10.7	34.2	51.9	4.6	0.6	0.2	0.1	0.0	9.8	7.7	55.8	0.3
7	8.8	15.2	12.8	3.3	6.5	10.0	0.0	0.0	1.1	30.0	11.1	10.8
8	8.6	2.8	10.1	5.6	13.7	0.3	0.0	0.9	0.7	0.0	8.3	0.0
9	6.6	31.9	23.8	2.9	0.4	0.2	0.0	0.3	1.4	7.4	1.5	60.2
10	35.2	18.1	6.5	3.7	6.2	6.7	0.0	0.0	0.5	19.3	40.0	0.0
11	0.0	12.4	15.9	0.0	0.2	13.7	0.0	0.0	3.6	9.0	1.0	2.5
12	0.0	1.2	10.5	1.9	20.5	6.1	0.0	0.0	0.9	0.5	0.9	1.2
13	40.4	0.0	40.2	4.0	1.4	1.5	0.0	0.0	0.0	26.1	0.5	2.7
14	5.1	7.8	19.4	29.9	1.8	0.0	0.0	1.1	0.0	26.4	10.0	0.0
15	24.6	9.4	16.9	11.1	2.8	0.0	0.0	0.0	0.0	4.0	4.0	0.0
16	4.9	0.0	3.9	6.1	0.0	7.1	0.0	8.1	0.0	0.0	3.8	0.0
17	9.9	1.3	3.2	0.0	0.0	0.0	0.0	0.0	4.2	29.9	0.2	0.0
18	0.0	0.0	4.2	0.0	0.0	4.7	0.0	0.0	3.4	6.1	0.6	0.0
19	23.3	13.6	12.0	0.0	1.7	5.6	0.0	2.4	13.4	2.3	0.0	0.0
20	0.0	0.0	8.7	0.0	0.0	0.3	61.0	12.5	24.0	4.2	68.0	20.3
21	5.6	47.7	19.7	6.8	0.0	1.2	4.6	10.3	25.0	20.0	2.0	0.6
22	0.6	0.0	4.9	0.0	0.0	3.5	3.6	0.0	0.7	24.7	9.4	8.0
23	6.2	11.1	0.0	5.0	0.1	4.5	43.9	1.8	0.0	14.7	9.4	0.5
24	4.7	2.5	0.0	14.0	4.8	3.6	39.3	0.0	3.2	1.6	7.8	0.0
25	16.3	2.5	0.0	36.1	0.8	4.4	9.4	16.4	3.5	6.0	0.0	45.0
26	11.3	0.0	0.0	2.1	0.0	32.2	0.5	0.1	0.1	13.0	0.0	55.0
27	14.5	0.0	8.7	18.3	1.3	2.8	0.2	0.0	8.3	2.0	9.9	6.4
28	7.3	1.1	8.8	0.4	1.8	0.0	0.0	2.4	4.3	1.7	0.2	7.1
29	33.8	0.0	0.0	10.1	11.5	0.0	1.4	44.7	0.0	7.8	9.3	12.5
30	5.8	0.0	0.0	0.9	0.7	0.0	16.7	2.0	0.0	21.1	43.0	6.0
31	38.0	0.0	0.0	0.0	4.1	0.0	4.2	39.5	0.0	24.4	0.0	0.0
Total	371.1	252.3	309.0	200.5	127.9	144.0	186.8	145.4	135.3	338.6	344.1	356.0
D. Ll.	27	20	23	23	24	24	15	16	21	29	26	21

TOTALES ANUALES 2911.6 mm 269 Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: LA DELFITA — MUNICIPIO: BELEN DE UMBRIA — AÑO: 1.989

ALTITUD: 1.520 — LATITUD: 5°12' N. — LONGITUD: 75°52' W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	6.7	0.0	0.0	3.7	53.0	6.1	6.2	0.0	0.0	12.2	10.0	5.4
2	10.0	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.0	3.4	0.1	4.9
3	4.4	15.0	2.0	9.0	0.3	5.1	0.0	0.0	14.0	18.5	2.1	7.1
4	13.7	4.9	0.4	16.1	0.0	0.3	0.0	0.3	0.0	5.2	9.5	0.0
5	13.0	0.0	1.3	0.1	10.1	0.6	1.4	28.4	9.0	0.0	0.0	0.0
6	3.9	0.9	5.7	0.0	0.0	7.2	0.0	0.0	35.0	6.4	18.8	0.0
7	0.2	7.8	0.0	1.7	0.1	0.0	2.1	0.0	3.7	4.5	3.7	0.0
8	0.2	0.7	0.0	0.1	7.0	1.8	5.8	16.5	0.0	7.6	0.0	0.0
9	0.0	5.3	0.0	9.5	0.0	1.9	0.0	11.5	2.5	0.0	0.0	0.0
10	1.0	0.1	19.0	67.0	0.5	2.6	0.0	2.9	6.1	30.8	0.0	0.0
11	0.0	5.6	13.3	0.0	5.6	6.6	0.0	1.1	7.3	22.8	2.7	0.0
12	24.8	1.0	4.3	5.2	30.1	2.9	0.0	0.5	3.5	0.2	0.0	0.0
13	0.0	1.8	20.4	0.0	1.9	8.0	0.0	0.0	1.6	13.7	0.0	0.0
14	0.6	0.0	2.9	17.5	1.0	0.0	0.0	3.3	3.1	1.6	0.0	0.0
15	0.0	0.0	3.6	0.4	0.0	0.0	0.0	9.9	34.8	0.1	5.8	0.0
16	4.6	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.8	17.2	0.0
17	0.5	2.1	0.0	0.0	0.0	1.8	0.0	0.0	2.3	2.3	0.0	0.0
18	0.0	0.0	0.0	0.0	1.3	40.0	0.0	0.0	4.7	0.0	0.0	0.0
19	0.0	0.3	0.0	0.3	3.1	0.0	1.4	20.0	0.0	1.7	3.6	0.0
20	0.9	0.0	3.0	0.0	0.0	0.0	52.9	0.0	4.2	5.7	23.4	0.0
21	0.0	1.0	0.0	0.0	0.0	6.0	4.6	1.6	20.6	0.0	2.5	0.0
22	0.0	0.2	0.4	1.3	4.8	5.6	7.3	0.0	6.3	0.0	11.7	0.0
23	0.2	0.0	0.1	41.0	28.5	0.9	36.1	1.6	6.9	0.5	31.4	18.1
24	0.0	2.0	0.4	1.0	27.4	7.5	6.2	0.0	5.5	1.0	0.0	0.5
25	7.9	2.5	0.0	0.0	2.1	0.6	1.5	43.0	18.2	23.6	0.0	4.3
26	0.8	0.0	8.4	6.7	8.3	1.1	33.7	0.3	0.2	0.0	0.0	10.7
27	18.3	42.9	0.0	0.0	0.3	18.2	1.0	0.5	0.9	29.2	0.1	0.3
28	52.7	0.0	3.5	2.6	12.7	3.0	2.4	17.8	3.3	0.0	13.5	4.5
29	0.0	0.0	0.0	1.5	0.5	0.4	3.6	71.8	0.0	0.0	6.1	4.5
30	4.7	0.0	0.0	0.3	0.0	12.0	3.6	0.0	0.0	0.0	5.0	0.0
31	0.6	0.0	0.0	0.0	1.5	0.0	8.4	0.0	0.0	7.4	0.0	0.0
Total	169.7	94.1	88.8	188.1	200.1	140.2	178.4	231.0	193.7	199.2	167.2	60.3
D. Ll.	21	17	17	20	21	23	18	17	22	22	18	10

TOTALES ANUALES — 1910.8 mm. — 226 Días lluvia

ESTACION: LA SIBERIA — MUNICIPIO: RIONEGRO — AÑO: 1.989

ALTITUD: 1.240 — LATITUD: 7-20 N. — LONGITUD: 73°07' W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1				0.0	1.5	1.8	0.0	0.0	0.0	0.0	5.5	38.8
2				0.0	2.6	0.0	0.0	35.6	1.4	0.4	7.6	50.0
3				0.0	0.0	0.0	0.0	0.0	1.4	1.3	1.7	10.3
4				0.0	0.0	0.2	0.0	0.0	0.0	11.2	3.0	40.0
5				0.0	39.7	0.0	0.6	10.9	4.8	21.8	4.0	31.9
6				0.0	12.1	2.8	0.0	10.9	1.3	0.0	1.0	0.0
7				0.0	14.3	0.0	1.8	0.0	0.0	0.0	3.0	0.0
8				0.0	0.0	0.0	4.3	30.0	0.9	0.0	2.0	0.0
9				0.0	0.0	0.0	3.1	1.4	14.7	0.1	0.0	0.0
10				0.0	36.8	2.3	0.0	0.7	0.3	5.4	0.0	0.0
11				0.0	3.3	1.0	0.0	0.0	2.3	0.7	4.6	0.0
12				0.0	11.2	0.0	0.0	9.4	13.3	4.3	34.0	0.0
13				0.0	1.5	8.2	0.0	0.1	1.0	12.4	5.0	0.0
14				0.0	2.8	0.0	0.0	0.0	0.4	24.8	0.0	0.0
15				0.0	0.0	0.0	0.0	0.3	0.0	0.4	0.0	0.0
16				0.0	0.0	0.0	36.9	3.1	0.0	0.0	0.0	0.0
17				0.0	0.0	0.0	0.0	0.0	15.0	11.2	0.0	0.0
18				0.0	0.0	0.5	10.6	0.0	1.7	4.3	1.2	0.0
19				4.6	0.0	0.0	2.0	5.6	8.3	0.0	0.2	0.0
20				0.0	0.1	2.0	0.3	0.0	0.1	4.9	0.0	0.0
21				50.0	0.0	0.0	0.5	3.0	8.5	0.0	0.0	0.0
22				0.7	25.9	3.0	4.3	6.8	11.5	1.9	0.0	0.0
23				0.1	6.5	2.1	0.0	3.2	0.0	45.2	0.0	0.0
24				14.1	6.4	21.0	1.4	3.2	0.0	2.1	20.2	17.9
25				0.0	1.3	0.4	0.0	0.0	0.5	0.0	0.0	4.2
26				3.5	0.5	0.9	3.4	1.8	1.9	0.5	0.0	5.9
27				0.6	1.3	0.0	0.0	3.1	0.0	7.7	0.0	0.0
28				0.3	0.1	0.0	0.0	3.4	8.4	0.0	0.0	0.0
29				0.0	7.2	0.0	0.0	0.2	1.4	0.0	0.0	0.0
30				10.8	0.7	0.0	1.6	12.9	0.0	1.2	2.3	0.0
31				0.0	0.0	0.0	0.3	0.4	0.0	4.0	0.0	0.0
Total				84.7	175.8	46.2	71.1	146.0	99.1	165.8	94.7	199.0
D. Ll.				9	20	13	14	21	21	21	15	8

TOTALES ANUALES — mm. — Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: EL BERRION **MUNICIPIO:** CARTAGO **AÑO:** 1.989

ALTITUD: 1.150 **LATITUD:** 4-40 N. **LONGITUD:** 75-51 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	9.2	1.2	0.0	27.0	21.5	0.3	10.7	0.0	0.0	6.8	3.2	45.0
2	0.6	0.0	23.0	1.0	2.5	0.2	2.9	0.0	0.0	1.4	6.4	0.0
3	1.5	10.6	19.0	1.0	0.0	0.0	0.0	12.7	15.9	1.7	20.0	0.0
4	13.7	0.0	0.0	1.6	1.3	0.0	5.1	0.0	14.0	4.9	9.0	0.0
5	0.0	0.0	5.0	0.4	61.8	2.4	6.2	0.9	11.5	0.0	0.0	0.0
6	1.0	0.7	0.0	0.2	0.1	50.0	0.0	0.0	0.0	1.8	20.0	15.0
7	4.2	0.4	23.0	0.5	36.4	0.0	0.0	0.0	4.2	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	0.8	0.0	0.0
9	6.9	6.3	5.0	0.0	0.0	1.5	0.0	0.0	0.2	0.2	0.0	0.0
10	3.0	45.2	27.0	0.2	8.9	22.9	0.0	0.0	0.0	44.9	15.8	20.0
11	0.0	5.9	9.0	0.0	0.0	13.8	0.0	0.0	4.2	3.9	0.6	0.0
12	0.3	0.0	24.0	1.2	9.9	0.4	0.0	0.0	35.1	38.7	0.0	0.0
13	11.2	1.9	7.0	0.0	3.1	1.1	0.0	0.6	0.0	23.4	0.3	10.0
14	1.4	3.7	35.0	0.0	1.9	0.0	0.0	0.0	0.0	0.1	0.1	0.0
15	0.0	1.5	0.0	14.3	0.3	0.0	0.0	0.0	1.4	3.2	0.0	0.0
16	0.0	6.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.2	5.8	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.9	0.0	0.0
18	0.0	0.0	0.0	0.0	0.4	3.6	0.0	2.6	1.2	7.6	4.2	0.0
19	0.0	0.0	0.0	0.0	0.2	1.3	1.7	0.7	15.4	0.5	0.0	0.0
20	3.9	3.0	0.0	0.0	0.0	0.0	0.2	0.0	0.6	2.9	14.8	0.0
21	1.0	0.0	0.0	2.3	0.7	8.0	1.7	1.2	18.9	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.1	4.3	3.4	0.0	5.4	0.1	0.2	0.0
23	2.2	0.0	0.0	12.1	0.2	1.2	0.0	9.4	0.0	3.4	2.6	0.0
24	0.0	11.0	0.0	3.3	2.1	4.5	0.5	1.9	1.7	18.6	10.0	0.0
25	0.1	12.0	0.0	0.0	0.6	3.9	52.6	13.2	3.0	10.5	0.0	0.0
26	3.6	0.0	4.0	15.8	0.1	16.3	0.2	0.7	0.1	0.0	0.0	10.0
27	0.0	0.0	32.0	1.2	0.0	0.6	0.0	0.0	0.0	10.2	0.0	1.0
28	5.8	0.0	0.0	1.8	0.0	0.0	0.0	8.1	14.6	0.1	0.5	7.0
29	0.0	0.0	0.0	31.9	0.0	0.0	7.2	28.4	0.0	10.6	20.0	2.0
30	0.0	0.0	6.0	0.0	0.0	0.7	0.6	0.0	0.6	23.9	4.8	0.0
31	1.2	0.0	0.0	0.0	0.8	0.0	0.0	1.5	0.0	14.9	0.0	0.0
Total	70.8	109.4	219.0	116.8	158.3	137.0	93.0	81.9	152.6	236.2	138.3	110.0
D. LI.	18	14	13	18	21	19	13	13	19	27	18	8

TOTALES ANUALES 1623.3 mm. 201 Dias Lluvia

ESTACION: EL RECREO **MUNICIPIO:** ULLOA **AÑO:** 1.989

ALTITUD: 1.410 **LATITUD:** 4-42 N. **LONGITUD:** 75-44 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	10.8	2.6	1.3	7.4	57.4	5.3	12.3	0.5	0.0	7.5	1.3	30.0
2	0.0	1.8	0.0	0.9	0.0	1.1	0.2	0.0	0.3	6.2	0.0	0.0
3	6.4	20.7	0.0	1.3	10.6	0.1	0.0	11.2	40.2	5.2	4.4	0.4
4	18.4	0.0	11.5	3.2	26.1	3.7	4.3	0.0	25.5	4.4	6.1	0.0
5	0.0	0.0	1.8	7.6	17.2	13.0	8.8	2.9	10.4	0.9	0.1	0.9
6	0.0	14.2	17.8	2.1	0.2	2.9	0.0	0.0	0.5	2.4	14.1	0.0
7	1.2	0.0	0.2	0.1	7.2	0.1	0.0	0.0	26.3	0.4	3.3	0.0
8	0.0	0.4	0.2	0.0	24.0	0.5	0.1	0.0	0.3	1.6	0.0	0.4
9	3.6	23.4	2.4	3.8	0.0	2.0	0.1	0.0	8.5	25.7	0.0	39.0
10	2.7	17.8	25.5	5.9	6.1	18.7	0.0	0.4	0.2	44.8	22.5	0.6
11	0.0	43.7	7.5	1.3	0.1	1.3	0.0	0.0	53.0	5.8	0.0	8.5
12	0.0	7.8	3.6	13.4	20.4	1.0	0.0	0.0	25.5	0.4	0.0	29.9
13	32.4	4.4	28.5	0.5	1.7	1.6	0.0	13.4	0.0	29.8	0.0	0.5
14	0.8	6.6	16.5	0.4	6.4	1.9	0.0	0.0	0.0	0.0	13.2	0.0
15	0.0	10.6	48.0	31.8	2.0	0.0	0.0	0.0	0.0	10.6	1.5	0.0
16	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	1.2	15.0	0.0
17	2.1	1.9	0.0	0.0	0.0	0.0	0.0	0.0	10.3	2.9	0.2	0.0
18	0.4	0.0	0.0	0.0	1.9	3.1	0.0	0.0	0.6	4.1	0.4	0.0
19	0.0	2.7	0.0	0.0	3.5	1.0	0.0	1.0	10.7	0.3	0.0	0.0
20	0.0	0.3	7.4	0.0	0.0	0.5	17.1	1.1	3.7	0.0	29.0	0.0
21	2.1	10.1	0.0	0.0	7.3	15.5	0.6	0.6	22.5	1.3	0.0	0.0
22	0.0	1.3	4.0	0.0	5.1	19.1	4.9	0.0	26.0	0.5	1.4	0.2
23	0.3	5.6	0.5	11.4	2.4	5.4	0.8	0.5	31.9	3.2	15.5	0.7
24	0.0	0.0	0.0	2.1	3.1	0.6	12.1	0.0	0.9	0.3	15.4	12.5
25	4.4	24.8	10.0	1.3	3.2	3.7	5.4	9.6	25.4	0.4	0.0	18.9
26	17.6	0.4	2.0	26.6	0.3	26.3	1.5	0.3	6.5	0.6	0.0	6.7
27	23.3	0.0	19.6	10.1	4.0	0.4	0.0	0.1	2.7	1.2	0.0	9.6
28	2.2	0.0	34.2	3.7	0.0	0.5	0.0	1.6	7.8	0.0	0.4	0.0
29	10.6	0.0	0.0	4.9	0.5	0.0	16.1	58.1	0.0	0.0	6.0	0.0
30	0.3	0.0	0.0	0.0	0.0	6.5	0.0	0.3	1.8	33.9	0.0	0.0
31	2.6	0.0	0.0	0.0	1.0	0.0	0.0	3.3	0.0	36.2	0.0	0.4
Total	143.2	201.1	242.5	139.8	211.7	135.8	84.3	105.2	341.5	231.8	149.8	159.2
D. LI.	20	20	20	21	24	26	14	17	24	27	18	16

TOTALES ANUALES 2145.9 mm 247 Dias lluvia

ESTACION: SANTIAGO GUTIERREZ MUNICIPIO: ARGELIA AÑO 1.989

ALTITUD: 1.550 LATITUD: 4-43 N. LONGITUD: 76-10 W.

	L L U V I A E N M I L I M E T R O S											
DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPTIEM.	OCTUBRE	NOV.	DIC.
1	8.9	4.2	0.0	13.5	13.4	0.2	0.4	0.0	0.0	2.8	0.2	10.1
2	0.0	0.0	1.4	1.9	1.3	0.0	0.0	0.8	1.2	0.0	0.2	0.2
3	2.1	1.4	11.7	3.4	6.0	0.0	0.0	5.6	11.1	7.4	3.0	2.5
4	23.6	1.4	16.0	5.2	39.3	0.1	0.4	0.0	0.4	12.4	8.5	1.9
5	0.0	0.0	0.8	11.9	4.8	0.5	16.2	0.0	10.7	0.8	0.1	27.3
6	7.5	0.1	9.8	0.0	0.9	1.2	0.0	0.0	12.4	0.9	13.6	0.0
7	2.5	0.0	5.0	0.0	5.0	0.3	1.9	0.3	0.2	0.0	16.9	0.7
8	0.0	32.5	0.0	0.0	32.3	0.7	5.5	0.0	23.1	0.0	0.0	0.0
9	7.3	34.2	0.5	0.2	0.0	54.0	0.0	4.3	0.5	1.6	0.0	5.5
10	20.4	0.9	1.6	0.0	25.3	3.0	0.0	0.0	0.0	24.5	9.2	0.2
11	0.0	12.6	5.3	0.0	0.0	4.1	0.0	14.8	4.1	11.2	0.0	0.7
12	0.0	0.0	1.4	0.0	50.1	0.0	0.0	1.2	2.4	7.0	0.4	3.1
13	14.9	6.0	15.8	25.2	2.7	29.4	0.0	1.8	0.3	4.8	6.0	0.6
14	0.0	0.0	2.5	11.3	0.0	2.6	0.0	0.6	1.6	0.8	0.1	16.1
15	0.0	0.0	2.6	4.6	0.0	0.0	0.0	0.4	0.1	7.9	1.9	0.0
16	2.7	4.5	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0
17	0.3	7.5	18.6	0.0	0.0	0.0	0.0	0.0	3.4	24.3	0.2	0.0
18	0.0	0.0	0.0	0.0	0.0	2.9	11.9	0.0	0.0	3.9	0.1	0.0
19	0.0	0.3	0.0	0.0	0.0	0.0	0.2	17.8	1.0	0.0	0.5	0.0
20	0.4	0.0	0.2	0.0	0.0	0.0	12.2	4.8	11.5	0.0	2.6	0.0
21	10.4	0.0	0.0	0.2	0.0	3.7	1.5	1.9	4.4	0.0	0.0	0.0
22	0.0	51.7	0.0	0.0	0.0	6.6	11.9	0.0	6.9	0.0	2.7	0.0
23	0.0	52.2	24.7	0.8	0.1	0.1	1.2	1.2	0.0	3.8	0.4	0.0
24	0.0	0.1	0.4	4.5	0.3	0.3	3.1	0.2	4.5	16.7	0.2	7.7
25	0.0	4.1	0.2	0.0	2.5	2.2	5.4	3.2	14.7	15.7	0.0	10.1
26	2.4	4.2	0.3	9.9	0.1	5.0	0.1	0.1	0.0	5.9	0.0	6.0
27	0.0	0.4	0.0	0.0	24.8	3.5	2.2	0.0	13.1	10.0	0.1	8.9
28	0.0	0.0	2.1	0.8	3.5	0.0	0.0	3.7	17.6	3.7	0.3	0.6
29	0.0	0.0	1.3	0.7	0.2	0.2	0.0	30.4	0.0	2.4	10.7	1.0
30	7.0	0.0	0.0	0.0	0.0	0.5	0.0	3.0	0.0	1.9	18.1	0.6
31	0.4	0.0	0.0	0.0	0.0	0.0	0.0	13.3	0.0	46.0	0.0	0.0
Total	110.8	218.3	129.2	94.1	212.6	121.1	74.1	109.4	145.2	216.4	100.6	103.8
D.LI.	15	18	22	15	18	21	15	20	22	23	24	19
TOTALES ANUALES							1635.6				232	

ESTACION: BARILOCHE — MUNICIPIO: FREDONIA — AÑO: 1.989
ALTITUD: 1.700 — LATITUD: 5-56 N. — LONGITUD: 75-37 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	4.0	17.0	2.0	0.0	36.0	115.0	0.0	0.0	0.0	10.0	4.0	3.0
2	0.0	0.0	0.0	0.0	13.0	50.0	0.0	0.0	0.0	5.0	50.0	5.0
3	6.0	0.0	0.0	17.0	0.0	0.0	0.0	8.0	25.0	0.0	0.0	53.0
4	27.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	3.0	7.0
5	6.0	0.0	30.0	0.0	20.0	5.0	0.0	40.0	29.0	5.0	4.0	0.0
6	8.0	5.0	4.0	0.0	0.0	36.0	0.0	0.0	22.0	0.0	5.0	0.0
7	0.0	0.0	0.0	0.0	21.0	0.0	30.0	0.0	8.0	0.0	19.0	0.0
8	0.0	8.0	0.0	0.0	10.0	73.0	0.0	5.0	45.0	15.0	16.0	5.0
9	0.0	2.0	6.0	0.0	0.0	0.0	0.0	13.0	15.0	18.0	4.0	4.0
10	0.0	3.0	0.0	3.0	0.0	20.0	0.0	11.0	0.0	12.0	13.0	0.0
11	0.0	15.0	0.0	0.0	5.0	5.0	0.0	0.0	2.0	18.0	0.0	0.0
12	11.0	9.0	0.0	0.0	2.0	18.0	0.0	24.0	22.0	0.0	4.0	6.0
13	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	2.0	5.0	4.0	0.0
14	3.0	0.0	4.0	3.0	34.0	12.0	0.0	8.0	0.0	6.0	0.0	0.0
15	0.0	0.0	17.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
16	0.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	34.0	0.0	0.0
17	9.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	82.0	0.0	20.0	0.0
18	0.0	0.0	8.0	0.0	0.0	13.0	0.0	0.0	8.0	0.0	0.0	0.0
19	0.0	0.0	6.0	19.0	0.0	71.0	10.0	0.0	10.0	0.0	22.0	5.0
20	0.0	0.0	7.0	0.0	0.0	3.0	1.0	0.0	23.0	0.0	0.0	5.0
21	0.0	0.0	0.0	6.0	0.0	36.0	4.0	13.0	15.0	27.0	0.0	0.0
22	0.0	0.0	5.0	0.0	0.0	4.0	39.0	0.0	10.0	24.0	0.0	0.0
23	0.0	0.0	7.0	5.0	11.0	6.0	0.0	38.0	28.0	8.0	0.0	15.0
24	15.0	0.0	0.0	0.0	22.0	5.0	45.0	0.0	22.0	6.0	0.0	12.0
25	10.0	0.0	8.0	0.0	0.0	0.0	13.0	17.0	9.0	0.0	0.0	0.0
26	0.0	0.0	0.0	25.0	0.0	10.0	0.0	28.0	18.0	10.0	45.0	5.0
27	5.0	0.0	33.0	16.0	0.0	21.0	0.0	31.0	8.0	8.0	7.0	3.0
28	20.0	8.0	0.0	0.0	24.0	0.0	8.0	43.0	5.0	12.0	20.0	4.0
29	0.0	0.0	0.0	41.0	18.0	0.0	5.0	4.0	10.0	7.0	10.0	3.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	6.0	6.0	0.0
31	0.0	0.0	0.0	0.0	0.0		7.0	0.0	0.0	0.0		0.0
Total	124.0	72.0	158.0	135.0	236.0	507.0	162.0	283.0	426.0	286.0	259.0	135.0
D. Ll.	12	9	15	9	13	19	10	14	23	20	19	15

TOTALES ANUALES 2783.0 mm. 178 Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: SANTA TERESITA — MUNICIPIO: MANIZALES — AÑO: 1.989
ALTITUD: 1.200 — LATITUD: 5-05 N. — LONGITUD: 75-37 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1					38.0	0.0	0.0	3.0	0.0	33.0	21.0	5.0
2					3.0	6.0	0.0	2.0	0.0	0.0	0.0	0.0
3					0.0	0.0	0.0	0.0	1.0	0.0	0.0	6.0
4					0.0	2.0	0.0	0.0	7.0	3.0	17.0	15.0
5					37.0	3.0	3.0	11.0	0.0	0.0	0.0	7.0
6					0.0	27.0	0.0	0.0	19.0	9.0	7.0	0.0
7					62.0	1.0	19.0	0.0	9.0	0.0	11.0	0.0
8					7.0	0.0	15.0	17.0	0.0	11.0	0.0	0.0
9					3.0	2.0	0.0	12.0	0.0	0.0	0.0	19.0
10					7.0	1.0	0.0	0.0	1.0	7.0	6.0	0.0
11					52.0	44.0	0.0	0.0	7.0	3.0	3.0	4.0
12					66.0	16.0	0.0	0.0	2.0	0.0	0.0	0.0
13					4.0	0.0	0.0	2.0	13.0	20.0	0.0	0.0
14					0.0	0.0	0.0	1.0	1.0	5.0	2.0	0.0
15					0.0	1.0	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	14.0	0.0
17					0.0	0.0	0.0	0.0	19.0	0.0	0.0	0.0
18					5.0	10.0	0.0	2.0	4.0	5.0	0.0	0.0
19					0.0	0.0	29.0	0.0	0.0	2.0	3.0	0.0
20					0.0	0.0	22.0	14.0	4.0	0.0	10.0	0.0
21					0.0	13.0	4.0	3.0	24.0	34.0	0.0	0.0
22					22.0	21.0	2.0	0.0	3.0	39.0	2.0	0.0
23					6.0	9.0	0.0	2.0	0.0	0.0	30.0	0.0
24					62.0	5.0	15.0	0.0	0.0	8.0	0.0	7.0
25					22.0	6.0	0.0	32.0	39.0	0.0	0.0	13.0
26					0.0	15.0	0.0	8.0	1.0	5.0	0.0	0.0
27					11.0	51.0	0.0	0.0	1.0	25.0	0.0	0.0
28					3.0	5.0	0.0	46.0	19.0	0.0	31.0	3.0
29					0.0	0.0	28.0	6.0	0.0	0.0	13.0	0.0
30					0.0	1.0	16.0	0.0	0.0	9.0	8.0	0.0
31					0.0	0.0	23.0	0.0	0.0	66.0	0.0	0.0
Total					410.0	239.0	176.0	173.0	174.0	284.0	178.0	79.0
D. Ll.					17	20	11	16	18	17	15	9

TOTALES ANUALES mm. Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: GUAYMARAL MUNICIPIO: AGUADAS AÑO: 1.989

ALTITUD: 1.600 LATITUD: 5-38 N. LONGITUD: 75-28 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	5.0	0.0	0.0	0.0	27.0	0.0	5.0	0.0	0.0	10.0	4.0	43.0
2	0.0	0.0	0.0	0.0	3.0	6.0	0.0	0.0	0.0	3.0	0.0	0.0
3	0.0	0.0	0.0	0.0	5.0	0.0	0.0	4.0	4.0	0.0	2.0	5.0
4	3.0	10.0	10.0	4.0	2.0	0.0	0.0	0.0	0.0	0.0	3.0	7.0
5	0.0	5.0	0.0	0.0	25.0	5.0	3.0	6.0	3.0	7.0	0.0	3.0
6	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	5.0	2.0	10.0	0.0
7	3.0	0.0	0.0	2.0	11.0	0.0	3.0	0.0	0.0	3.0	12.0	0.0
8	0.0	5.0	0.0	1.0	2.0	4.0	9.0	2.0	6.0	9.0	4.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	25.0	3.0	0.0	5.0
10	9.0	0.0	0.0	0.0	2.0	1.0	0.0	0.0	0.0	43.0	0.0	0.0
11	0.0	0.0	5.0	0.0	0.0	17.0	0.0	0.0	23.0	13.0	0.0	13.0
12	0.0	0.0	0.0	0.0	10.0	4.0	0.0	5.0	25.0	7.0	0.0	2.0
13	4.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	10.0	7.0	0.0	0.0
14	0.0	0.0	1.0	2.0	14.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0
15	0.0	0.0	1.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0
17	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0
18	0.0	0.0	7.0	0.0	0.0	6.0	0.0	0.0	1.0	13.0	1.0	0.0
19	0.0	0.0	15.0	4.0	0.0	3.0	9.0	1.0	4.0	0.0	0.0	0.0
20	5.0	0.0	0.0	0.0	0.0	5.0	0.0	4.0	5.0	0.0	3.0	0.0
21	0.0	0.0	0.0	0.0	0.0	3.0	8.0	65.0	33.0	8.0	1.0	0.0
22	3.0	0.0	9.0	1.0	2.0	7.0	0.0	2.0	0.0	2.0	0.0	0.0
23	0.0	0.0	10.0	0.0	1.0	0.0	2.0	5.0	11.0	17.0	0.0	12.0
24	0.0	0.0	3.0	2.0	22.0	8.0	3.0	0.0	10.0	10.0	0.0	0.0
25	0.0	0.0	0.0	0.0	2.0	0.0	10.0	6.0	35.0	2.0	0.0	6.0
26	3.0	0.0	5.0	0.0	0.0	4.0	1.0	20.0	2.0	3.0	0.0	9.0
27	0.0	0.0	3.0	8.0	17.0	5.0	0.0	0.0	6.0	2.0	0.0	15.0
28	7.0	0.0	1.0	0.0	0.0	0.0	0.0	38.0	5.0	1.0	1.0	1.0
29	0.0	0.0	0.0	27.0	0.0	2.0	5.0	24.0	0.0	0.0	0.0	0.0
30	3.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	1.0	37.0	8.0	0.0
31	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0
Total	51.0	20.0	81.0	52.0	149.0	101.0	58.0	200.0	224.0	219.0	60.0	121.0
D. Ll.	11	3	13	10	16	18	11	15	21	24	13	12
TOTALES ANUALES						1336.0					167	Días lluvia

ESTACION: CUATRO ESQUINAS MUNICIPIO: AGUADAS AÑO: 1.989

ALTITUD 1.900 LATITUD: 5-36 N. LONGITUD: 75-30 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.0	0.0	0.0	0.0	35.0	0.0	0.0	0.0	0.0	30.0		29.0
2	0.0	22.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	10.0		0.0
3	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	9.0	9.0		4.0
4	24.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	11.0		0.0
5	13.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0		0.0
6	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0		0.0
7	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0		0.0
8	0.0	0.0	0.0	0.0	7.0	10.0	0.0	0.0	0.0	0.0		0.0
9	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	8.0	13.0		0.0
10	0.0	10.0	15.0	0.0	11.0	0.0	0.0	0.0	0.0	17.0		0.0
11	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	20.0	10.0		13.0
12	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	22.0	0.0		0.0
13	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	19.0	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
15	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	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	29.0	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		0.0
19	0.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0	10.0	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
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0		0.0
22	0.0	0.0	33.0	0.0	6.0	10.0	0.0	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	16.0	0.0		30.0
24	0.0	0.0	20.0	0.0	20.0	0.0	0.0	10.0	0.0	0.0		22.0
25	0.0	0.0	0.0	0.0	0.0	23.0	35.0	20.0	12.0	0.0		0.0
26	0.0	0.0	10.0	0.0	45.0	0.0	0.0	0.0	0.0	0.0		10.0
27	20.0	0.0	0.0	10.0	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	7.0	42.0	0.0	0.0		0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
31	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
Total	83.0	32.0	98.0	20.0	200.0	115.0	42.0	122.0	145.0	100.0		108.0
D. Ll.	4	2	5	2	12	6	2	5	9	7		6
TOTALES ANUALES												Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: LA MANUELITA MUNICIPIO: RIOSUCIO AÑO: 1.989

ALTITUD: 1.400 LATITUD: 5-22 N. LONGITUD: 75-41 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	8.0	0.0	0.0	0.0	35.0	10.0	0.0	0.0	0.0	7.0	10.0	10.0
2	0.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	5.0	5.0
3	21.0	12.0	0.0	0.0	0.0	11.0	0.0	0.0	15.0	5.0	0.0	2.0
4	9.0	8.0	0.0	5.0	0.0	3.0	0.0	0.0	20.0	4.0	8.0	0.0
5	24.0	0.0	0.0	0.0	0.0	10.0	0.0	20.0	0.0	0.0	0.0	25.0
6	5.0	30.0	6.0	0.0	0.0	13.0	0.0	0.0	0.0	0.0	20.0	0.0
7	0.0	5.0	15.0	40.0	18.0	0.0	2.0	3.0	0.0	5.0	15.0	0.0
8	0.0	0.0	0.0	0.0	15.0	4.0	30.0	5.0	0.0	14.0	0.0	0.0
9	0.0	30.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	3.0	1.0	35.0
10	0.0	20.0	0.0	0.0	7.0	1.0	0.0	0.0	1.0	15.0	15.0	0.0
11	0.0	4.0	3.0	0.0	1.0	50.0	0.0	0.0	14.0	7.0	23.0	18.0
12	40.0	0.0	0.0	0.0	10.0	11.0	0.0	0.0	35.0	3.0	0.0	0.0
13	5.0	0.0	20.0	0.0	0.0	4.0	0.0	0.0	30.0	60.0	0.0	0.0
14	0.0	0.0	5.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
15	0.0	0.0	15.0	0.0	0.0	0.0	0.0	55.0	0.0	5.0	0.0	0.0
16	4.0	0.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
17	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	4.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	10.0	0.0
19	5.0	0.0	0.0	0.0	0.0	0.0	15.0	10.0	5.0	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	20.0	5.0	0.0
21	0.0	0.0	5.0	31.0	0.0	0.0	0.0	5.0	19.0	14.0	0.0	0.0
22	0.0	0.0	2.0	0.0	1.0	25.0	3.0	25.0	0.0	1.0	0.0	0.0
23	0.0	0.0	0.0	0.0	28.0	7.0	0.0	15.0	25.0	0.0	0.0	10.0
24	0.0	0.0	0.0	0.0	45.0	0.0	33.0	5.0	5.0	20.0	0.0	3.0
25	0.0	4.0	0.0	5.0	5.0	5.0	3.0	25.0	35.0	4.0	0.0	18.0
26	5.0	0.0	0.0	10.0	0.0	25.0	0.0	10.0	0.0	0.0	0.0	0.0
27	0.0	0.0	15.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	43.0	0.0	18.0	0.0	0.0	0.0	0.0	40.0	9.0	0.0	5.0	8.0
29	0.0	0.0	0.0	0.0	0.0	20.0	25.0	39.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	1.0	0.0	8.0	4.0	0.0	0.0	1.0	5.0	0.0
31	15.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	15.0	0.0	5.0
Total	189.0	158.0	107.0	121.0	165.0	209.0	135.0	267.0	225.0	228.0	123.0	139.0
D. LI.	13	9	11	8	10	17	9	14	14	21	13	11

TOTALES ANUALES 2066.0 150 Días lluvia

ESTACION: LA ARGENTINA MUNICIPIO: RIOSUCIO AÑO: 1.989

ALTITUD 1.420 LATITUD: 5-28 N. LONGITUD: 75-42 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	7.0	7.0	0.0	0.0	36.0	34.0	0.0	0.0	0.0	40.0	2.0	8.0
2	1.0	17.0	1.0	1.0	0.0	1.0	2.0	0.0	0.0	10.0	1.0	33.0
3	15.0	23.0	0.0	0.0	0.0	10.0	0.0	0.0	7.0	3.0	0.0	11.0
4	18.0	1.0	0.0	3.0	2.0	0.0	0.0	0.0	0.0	4.0	15.0	8.0
5	15.0	0.0	0.0	0.0	27.0	5.0	1.0	20.0	13.0	1.0	1.0	26.0
6	7.0	0.0	17.0	0.0	4.0	0.0	0.0	5.0	20.0	2.0	8.0	0.0
7	0.0	6.0	3.0	23.0	12.0	0.0	4.0	0.0	6.0	51.0	2.0	0.0
8	2.0	0.0	2.0	14.0	10.0	4.0	9.0	4.0	4.0	25.0	5.0	0.0
9	0.0	0.0	25.0	0.0	2.0	0.0	2.0	14.0	3.0	14.0	4.0	15.0
10	0.0	10.0	0.0	1.0	10.0	2.0	0.0	2.0	0.0	0.0	2.0	10.0
11	7.0	0.0	21.0	0.0	0.0	22.0	0.0	0.0	24.0	0.0	3.0	14.0
12	8.0	0.0	7.0	0.0	35.0	8.0	0.0	4.0	45.0	6.0	2.0	0.0
13	2.0	2.0	47.0	0.0	2.0	1.0	0.0	0.0	30.0	11.0	0.0	0.0
14	0.0	0.0	21.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
15	0.0	0.0	13.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0
16	33.0	0.0	0.0	32.0	0.0	0.0	0.0	0.0	0.0	14.0	1.0	0.0
17	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	3.0	0.0	0.0
19	4.0	0.0	12.0	3.0	3.0	0.0	8.0	3.0	8.0	0.0	0.0	0.0
20	0.0	9.0	2.0	0.0	0.0	0.0	0.0	0.0	1.0	10.0	4.0	0.0
21	0.0	3.0	0.0	7.0	0.0	3.0	2.0	4.0	29.0	6.0	2.0	0.0
22	0.0	0.0	0.0	2.0	16.0	53.0	5.0	1.0	4.0	2.0	0.0	0.0
23	0.0	0.0	0.0	0.0	26.0	3.0	10.0	10.0	7.0	25.0	3.0	1.0
24	3.0	0.0	0.0	2.0	37.0	0.0	3.0	0.0	65.0	17.0	0.0	5.0
25	2.0	0.0	0.0	3.0	6.0	5.0	0.0	9.0	15.0	0.0	0.0	4.0
26	1.0	8.0	4.0	0.0	4.0	8.0	1.0	8.0	14.0	21.0	3.0	7.0
27	6.0	0.0	21.0	11.0	5.0	19.0	0.0	0.0	45.0	14.0	0.0	10.0
28	10.0	0.0	16.0	0.0	3.0	0.0	0.0	41.0	14.0	3.0	11.0	3.0
29	2.0	0.0	0.0	12.0	0.0	5.0	13.0	19.0	0.0	0.0	2.0	2.0
30	0.0	0.0	0.0	0.0	0.0	24.0	0.0	1.0	0.0	6.0	10.0	0.0
31	6.0	0.0	3.0	0.0	0.0	0.0	12.0	0.0	0.0	20.0	0.0	12.0
Total	164.0	91.0	215.0	114.0	240.0	212.0	72.0	161.0	354.0	309.0	81.0	169.0
D. LI.	20	11	16	13	18	16	13	17	19	24	19	16

TOTALES ANUALES 2172.0 204 Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: TESORITO — MUNICIPIO: MANIZALES — AÑO: 1.989

ALTITUD: 2.200 — LATITUD: 5-02 N. — LONGITUD: 75-27 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	2.0	1.0	0.0	9.0	2.0	1.0	0.0	0.0		8.5		
2	3.0	10.0	0.0	0.0	3.0	10.0	6.0	3.0		4.5		
3	1.0	2.0	0.0	10.0	19.0	5.0	2.0	9.0		18.0		
4	3.0	1.0	0.0	1.0	0.0	0.0	1.0	15.0		4.5		
5	6.0	5.0	6.0	3.0	19.0	2.0	0.0	35.0		0.0		
6	0.0	1.0	3.0	1.0	9.0	6.0	0.0	10.0		5.0		
7	9.0	0.0	1.0	2.0	9.0	4.0	0.0	25.0		1.5		
8	0.0	5.0	7.0	1.0	33.0	0.0	0.0	1.0		1.3		
9	9.0	10.0	0.0	0.0	8.0	6.0	0.0	0.0		2.0		
10	0.0	1.0	5.0	0.0	7.0	4.0	0.0	0.0		5.0		
11	8.0	2.0	6.0	0.0	0.0	2.0	0.0	3.0		0.0		
12	0.0	0.0	1.0	0.0	6.0	7.0	0.0	5.0		2.5		
13	2.0	0.0	5.0	0.0	0.0	0.0	0.0	12.0		5.0		
14	0.0	1.0	13.0	0.0	2.0	5.0	0.0	0.0		0.0		
15	1.0	17.0	10.0	0.0	0.0	1.0	0.0	7.0		8.0		
16	8.0	1.0	3.0	0.0	0.0	0.0	0.0	6.0		5.0		
17	1.0	5.0	11.0	0.0	0.0	1.0	0.0	11.0		6.0		
18	0.0	5.0	3.0	8.0	0.0	7.0	0.0	9.0		0.0		
19	3.0	0.0	2.0	0.0	0.0	6.0	0.0	1.0		2.0		
20	0.0	1.0	1.0	17.5	0.0	5.0	0.0	0.0		0.0		
21	0.0	0.0	4.0	0.0	0.0	5.0	0.0	0.0		0.0		
22	0.0	2.0	11.0	0.0	2.0	15.0	8.0	0.0		0.0		
23	0.0	3.0	11.0	0.0	1.0	13.0	4.0	0.0		14.0		
24	1.0	6.0	6.0	0.0	9.0	2.0	2.0	3.0		0.0		
25	3.0	3.0	5.0	0.0	2.0	11.0	0.0	5.0		1.0		
26	0.0	0.0	1.0	0.0	7.0	28.0	4.0	2.0		0.0		
27	4.0	0.0	0.0	27.0	11.0	5.0	1.0	6.0		10.0		
28	1.0	3.0	6.0	3.0	9.0	4.0	12.0	0.0		0.0		
29	2.0	0.0	2.0	36.0	7.0	2.0	4.0	0.0		4.0		
30	3.0	0.0	0.0	18.0	0.0	0.0	1.5	5.0		0.0		
31	0.0	0.0	10.0	0.0	0.0	0.0	7.0	0.0		0.0		
Total	70.0	85.0	133.0	136.5	165.0	157.0	52.5	173.0		107.8		
D. Ll.	19	21	24	13	19	25	12	20		19		

TOTALES ANUALES — Días lluvia

ESTACION: EL DESCANSO — MUNICIPIO: MANIZALES — AÑO: 1.989

ALTITUD 1.650 — LATITUD: 5-29 N. — LONGITUD: 75-38 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.0	0.0	0.0	0.0	12.0	23.0	0.0	0.0	3.0	17.0	10.0	13.0
2	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.0	6.0	22.0
3	29.0	0.0	0.0	2.0	0.0	9.0	0.0	0.0	20.0	0.0	0.0	0.0
4	39.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	0.0	0.0	0.0	5.0
5	0.0	0.0	4.0	0.0	21.0	0.0	0.0	0.0	6.0	0.0	2.0	0.0
6	0.0	0.0	0.0	0.0	0.0	31.0	0.0	4.0	7.0	0.0	0.0	0.0
7	0.0	0.0	0.0	3.0	26.0	0.0	5.0	0.0	2.0	14.0	0.0	0.0
8	23.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	5.0	19.0	0.0
9	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	24.0	0.0	30.0
10	0.0	29.0	40.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	4.0	0.0
11	0.0	0.0	0.0	0.0	12.0	0.0	0.0	6.0	49.0	0.0	0.0	19.0
12	5.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	6.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	31.0	23.0	0.0	0.0
14	0.0	0.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	3.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
16	21.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	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	0.0	0.0
19	0.0	0.0	2.0	0.0	0.0	0.0	9.0	0.0	1.0	0.0	2.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	32.0	0.0	0.0
21	0.0	3.0	0.0	0.0	10.0	0.0	4.0	9.0	18.0	0.0	0.0	0.0
22	0.0	0.0	4.0	0.0	0.0	40.0	0.0	0.0	0.0	32.0	8.0	0.0
23	0.0	0.0	0.0	6.0	59.0	0.0	6.0	0.0	15.0	8.0	0.0	12.0
24	0.0	0.0	2.0	0.0	44.0	4.0	20.0	4.0	10.0	33.0	0.0	0.0
25	8.0	0.0	2.0	10.0	12.0	0.0	0.0	0.0	2.0	25.0	24.0	0.0
26	0.0	0.0	20.0	20.0	0.0	22.0	0.0	21.0	30.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	5.0	0.0	15.0
28	34.0	0.0	0.0	9.0	8.0	0.0	0.0	25.0	14.0	0.0	6.0	0.0
29	0.0	0.0	0.0	0.0	0.0	4.0	9.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	10.0	0.0	6.0	0.0	0.0	5.0	26.0	5.0	0.0
31	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	186.0	42.0	94.0	82.0	225.0	148.0	53.0	108.0	243.0	299.0	86.0	116.0
D. Ll.	9	3	9	9	12	10	6	9	17	13	10	7

TOTALES ANUALES — 1682.0 — 114 — Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: JAVA — MUNICIPIO: MANIZALES — AÑO: 1.989

ALTITUD: 1.780 — LATITUD: 5.02 N. — LONGITUD: 75-33 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	12.0	0.0	0.0	0.0	58.0	2.0	0.0	0.0	0.0	9.0	0.0	5.0
2	0.0	3.0	0.0	14.0	0.0	0.0	1.0	0.0	0.0	10.0	7.0	10.0
3	3.0	19.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	0.0
4	8.0	0.0	0.0	0.0	0.0	2.0	8.0	0.0	7.0	0.0	10.0	20.0
5	0.0	0.0	8.0	0.0	9.0	3.0	0.0	3.0	14.0	0.0	4.0	5.0
6	3.0	6.0	19.0	3.0	3.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0
7	8.0	0.0	14.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	3.0	0.0
8	0.0	0.0	0.0	0.0	92.0	0.0	0.0	0.0	1.0	2.0	5.0	0.0
9	0.0	10.0	0.0	0.0	3.0	0.0	0.0	8.0	1.0	3.0	0.0	10.0
10	0.0	65.0	0.0	0.0	23.0	0.0	0.0	6.0	0.0	1.0	6.0	0.0
11	6.0	6.0	5.0	0.0	18.0	20.0	0.0	0.0	0.0	8.0	0.0	0.0
12	2.0	0.0	41.0	0.0	10.0	9.0	0.0	10.0	0.0	3.0	0.0	0.0
13	0.0	0.0	0.0	1.0	3.0	0.0	0.0	0.0	31.0	0.0	0.0	0.0
14	0.0	0.0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
15	0.0	9.0	18.0	0.0	0.0	0.0	0.0	20.0	0.0	2.0	0.0	0.0
16	1.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
17	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	5.0	0.0	0.0
18	3.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	1.0	3.0	0.0	0.0
19	0.0	0.0	11.0	25.0	3.0	0.0	5.0	9.0	3.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	4.0	3.0	1.0	2.0	12.0	0.0
21	0.0	0.0	0.0	18.0	0.0	8.0	2.0	0.0	2.0	23.0	0.0	5.0
22	0.0	6.0	11.0	0.0	15.0	4.0	10.0	1.0	6.0	0.0	2.0	0.0
23	0.0	4.0	0.0	28.0	0.0	4.0	3.0	2.0	9.0	35.0	0.0	0.0
24	0.0	0.0	0.0	3.0	70.0	2.0	5.0	0.0	0.0	0.0	10.0	0.0
25	1.0	0.0	0.0	0.0	5.0	6.0	2.0	70.0	11.0	0.0	5.0	2.0
26	52.0	0.0	10.0	0.0	0.0	8.0	0.0	0.0	3.0	12.0	0.0	12.0
27	62.0	7.0	23.0	29.0	17.0	0.0	0.0	10.0	2.0	8.0	0.0	0.0
28	0.0	0.0	20.0	3.0	13.0	0.0	0.0	5.0	0.0	5.0	0.0	0.0
29	3.0	0.0	0.0	0.0	0.0	2.0	16.0	0.0	0.0	0.0	10.0	0.0
30	2.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	35.0	10.0	2.0
31	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	0.0	0.0
Total	183.0	135.0	188.0	129.0	342.0	93.0	56.0	152.0	98.0	193.0	87.0	71.0
D. Ll.	16	10	14	10	15	15	10	13	16	20	13	9

TOTALES ANUALES: 1727.0 — 161 Días lluvia

ESTACION: LA SELVA — MUNICIPIO: MANIZALES — AÑO: 1.989

ALTITUD: 1.350 — LATITUD: 5-07 N. — LONGITUD: 75 36 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	11.0	2.0	0.0	0.0	44.0	8.0	0.0	0.0	0.0	67.0	10.0	44.0
2	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.0	0.0	11.0
3	4.0	7.0	30.0	3.0	0.0	9.0	0.0	0.0	2.0	0.0	0.0	0.0
4	5.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	2.0	5.0	8.0	2.0
5	0.0	0.0	2.0	0.0	58.0	0.0	0.0	20.0	12.0	0.0	0.0	10.0
6	0.0	0.0	2.0	0.0	0.0	3.0	0.0	0.0	6.0	7.0	10.0	0.0
7	4.0	0.0	0.0	0.0	44.0	51.0	20.0	0.0	0.0	4.0	13.0	0.0
8	0.0	0.0	5.0	0.0	39.0	0.0	14.0	6.0	0.0	19.0	0.0	0.0
9	0.0	12.0	0.0	0.0	6.0	0.0	0.0	26.0	0.0	0.0	0.0	35.0
10	0.0	9.0	0.0	0.0	2.0	8.0	0.0	0.0	0.0	5.0	7.0	2.0
11	0.0	0.0	22.0	0.0	61.0	21.0	0.0	0.0	5.0	7.0	3.0	2.0
12	0.0	0.0	15.0	0.0	37.0	5.0	0.0	0.0	4.0	0.0	0.0	5.0
13	2.0	0.0	8.0	0.0	0.0	0.0	0.0	3.0	10.0	11.0	0.0	0.0
14	0.0	14.0	4.0	14.0	3.0	0.0	0.0	0.0	3.0	0.0	2.0	0.0
15	0.0	0.0	38.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0
16	11.0	0.0	12.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0
17	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	6.0	0.0	0.0
18	18.0	0.0	0.0	0.0	3.0	4.0	0.0	0.0	0.0	5.0	0.0	0.0
19	0.0	0.0	0.0	18.0	0.0	0.0	10.0	3.0	0.0	2.0	0.0	2.0
20	5.0	0.0	0.0	0.0	0.0	0.0	21.0	5.0	2.0	11.0	19.0	0.0
21	0.0	2.0	0.0	22.0	0.0	40.0	0.0	5.0	28.0	0.0	0.0	0.0
22	0.0	0.0	5.0	0.0	21.0	12.0	2.0	0.0	9.0	29.0	0.0	0.0
23	0.0	22.0	42.0	18.0	3.0	0.0	4.0	5.0	6.0	3.0	28.0	0.0
24	0.0	0.0	0.0	0.0	106.0	0.0	12.0	0.0	0.0	2.0	0.0	0.0
25	0.0	19.0	0.0	0.0	15.0	7.0	0.0	29.0	28.0	0.0	0.0	25.0
26	19.0	0.0	6.0	10.0	0.0	19.0	0.0	2.0	0.0	3.0	0.0	0.0
27	15.0	0.0	4.0	26.0	7.0	95.0	0.0	0.0	1.0	10.0	0.0	0.0
28	15.0	0.0	5.0	0.0	0.0	0.0	0.0	80.0	12.0	0.0	41.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	19.0	9.0	0.0	0.0	12.0	0.0
30	5.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	1.0	23.0	0.0
31	11.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	60.0	0.0	0.0
Total	135.0	97.0	200.0	133.0	449.0	272.0	124.0	202.0	140.0	293.0	180.0	138.0
D. Ll.	14	9	15	9	15	13	10	13	16	20	13	10

TOTALES ANUALES: 2363.0 — 157 Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: SAN ISIDRO — MUNICIPIO: FILADELFIA — AÑO: 1.989

ALTITUD: 1.600 — LATITUD: 5-14 N. — LONGITUD: 75-34 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	20.0	0.0	0.0	0.0	13.0	0.0	0.0	4.0	0.0			
2	18.0	7.0	0.0	0.0	0.0	23.0	2.0	0.0	0.0			
3	0.0	14.0	0.0	17.0	2.0	5.0	0.0	0.0	3.0			
4	18.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	11.0			
5	4.0	0.0	2.0	3.0	13.0	18.0	0.0	0.0	8.0			
6	0.0	10.0	27.0	0.0	23.0	4.0	0.0	8.0	3.0			
7	0.0	0.0	0.0	0.0	34.0	0.0	2.0	5.0	4.0			
8	0.0	17.0	4.0	0.0	27.0	0.0	0.0	13.0	16.0			
9	0.0	26.0	2.0	0.0	31.0	0.0	0.0	0.0	2.0			
10	0.0	29.0	0.0	3.0	14.0	3.0	0.0	0.0	0.0			
11	2.0	16.0	14.0	0.0	0.0	11.0	0.0	0.0	6.0			
12	0.0	0.0	28.0	0.0	14.0	0.0	0.0	0.0	9.0			
13	3.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	32.0			
14	0.0	0.0	22.0	2.0	2.0	10.0	0.0	0.0	0.0			
15	0.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0			
16	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0			
17	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	11.0			
18	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0			
19	0.0	0.0	0.0	0.0	0.0	8.0	6.0	0.0	0.0			
20	0.0	0.0	37.0	0.0	0.0	12.0	2.0	3.0	12.0			
21	0.0	0.0	0.0	0.0	0.0	41.0	0.0	0.0	50.0			
22	0.0	0.0	21.0	0.0	0.0	57.0	9.0	2.0	22.0			
23	0.0	0.0	0.0	0.0	48.0	0.0	4.0	0.0	23.0			
24	0.0	0.0	0.0	0.0	91.0	2.0	10.0	3.0	5.0			
25	0.0	12.0	0.0	0.0	8.0	3.0	0.0	20.0	4.0			
26	13.0	14.0	12.0	115.0	10.0	14.0	0.0	8.0	6.0			
27	55.0	0.0	0.0	47.0	4.0	50.0	0.0	3.0	3.0			
28	6.0	0.0	0.0	8.0	0.0	4.0	0.0	22.0	12.0			
29	0.0	0.0	0.0	12.0	0.0	8.0	16.0	41.0	0.0			
30	0.0	0.0	0.0	4.0	0.0	14.0	19.0	0.0	0.0			
31	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Total	153.0	145.0	206.0	213.0	341.0	293.0	70.0	132.0	249.0			
D. Ll.	11	9	12	10	16	19	9	12	21			

TOTALES ANUALES — Días lluvia

ESTACION: LA PASTORITA — MUNICIPIO: VICTORIA — AÑO: 1.989

ALTITUD 1.100 — LATITUD: 5-19 N. — LONGITUD: 75-01 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	18.0	82.0	0.0	9.0	0.0	0.0	18.0	0.0				
2	0.0	0.0	5.0	19.0	0.0	48.0	0.0	0.0				
3	35.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0				
4	95.0	0.0	0.0	4.0	45.0	15.0	0.0	0.0				
5	8.0	0.0	0.0	0.0	17.0	4.0	0.0	22.0				
6	23.0	0.0	45.0	0.0	0.0	43.0	0.0	0.0				
7	0.0	25.0	105.0	0.0	30.0	0.0	0.0	0.0				
8	0.0	22.0	0.0	0.0	21.0	0.0	0.0	24.0				
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0				
10	0.0	0.0	60.0	0.0	0.0	8.0	0.0	11.0				
11	15.0	0.0	7.0	55.0	3.0	0.0	0.0	0.0				
12	0.0	34.0	10.0	14.0	11.0	0.0	0.0	0.0				
13	16.0	0.0	5.0	16.0	0.0	0.0	0.0	5.0				
14	0.0	0.0	17.0	0.0	0.0	0.0	0.0	0.0				
15	0.0	0.0	76.0	0.0	0.0	0.0	0.0	0.0				
16	9.0	0.0	24.0	25.0	0.0	0.0	0.0	0.0				
17	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0				
18	18.0	0.0	65.0	55.0	0.0	5.0	0.0	0.0				
19	46.0	5.0	24.0	23.0	0.0	17.0	32.0	0.0				
20	30.0	0.0	12.0	0.0	0.0	5.0	0.0	3.0				
21	58.0	52.0	8.0	33.0	0.0	0.0	2.0	50.0				
22	40.0	18.0	17.0	0.0	0.0	43.0	1.0	10.0				
23	0.0	26.0	50.0	0.0	0.0	0.0	2.0	4.0				
24	10.0	0.0	0.0	0.0	82.0	24.0	3.0	0.0				
25	45.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0				
26	0.0	0.0	28.0	16.0	0.0	15.0	4.0	12.0				
27	14.0	0.0	32.0	0.0	10.0	130.0	0.0	27.0				
28	32.0	0.0	0.0	0.0	0.0	0.0	0.0	36.0				
29	0.0	0.0	0.0	25.0	0.0	12.0	72.0	20.0				
30	0.0	0.0	8.0	17.0	0.0	0.0	13.0	0.0				
31	5.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0				
Total	517.0	264.0	648.0	311.0	219.0	369.0	174.0	251.0				
D. Ll.	18	8	21	13	8	13	11	13				

TOTALES ANUALES — Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: EL CONTENTO MUNICIPIO: LA MERCED AÑO: 1.989

ALTITUD: 1.800 LATITUD: 5-24 N. LONGITUD: 75-33 W

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	9.0	14.0	0.0	0.0	4.0	10.0	0.0					
2	6.0	0.0	0.0	0.0	10.0	11.0	0.0					
3	10.0	6.0	0.0	6.0	0.0	4.0	0.0					
4	14.0	0.0	0.0	4.0	7.0	0.0	0.0					
5	0.0	0.0	0.0	0.0	0.0	8.0	0.0					
6	0.0	0.0	41.0	0.0	4.0	26.0	0.0					
7	0.0	0.0	11.0	0.0	10.0	0.0	0.0					
8	0.0	0.0	8.0	0.0	3.0	0.0	0.0					
9	0.0	7.0	2.0	0.0	30.0	0.0	0.0					
10	0.0	0.0	0.0	0.0	20.0	4.0	0.0					
11	0.0	10.0	6.0	0.0	0.0	0.0	0.0					
12	3.0	6.0	0.0	0.0	31.0	0.0	0.0					
13	15.0	0.0	10.0	0.0	0.0	0.0	0.0					
14	0.0	0.0	24.0	0.0	0.0	5.0	0.0					
15	0.0	0.0	0.0	3.0	0.0	3.0	0.0					
16	6.0	0.0	0.0	0.0	0.0	0.0	0.0					
17	15.0	3.0	4.0	0.0	0.0	0.0	0.0					
18	14.0	0.0	0.0	0.0	15.0	9.0	0.0					
19	0.0	0.0	3.0	25.0	0.0	0.0	0.0					
20	10.0	0.0	14.0	0.0	0.0	13.0	3.0					
21	0.0	0.0	0.0	34.0	0.0	6.0	2.0					
22	0.0	0.0	0.0	0.0	0.0	25.0	15.0					
23	0.0	0.0	6.0	0.0	22.0	22.0	5.0					
24	0.0	0.0	0.0	0.0	6.0	0.0	30.0					
25	0.0	10.0	16.0	22.0	5.0	0.0	21.0					
26	30.0	0.0	0.0	5.0	0.0	0.0	13.0					
27	42.0	0.0	15.0	40.0	59.0	0.0	55.0					
28	10.0	0.0	0.0	0.0	0.0	0.0	6.0					
29	20.0	0.0	5.0	0.0	0.0	0.0	0.0					
30	5.0	0.0	0.0	15.0	0.0	0.0	0.0					
31	18.0	0.0	0.0	0.0	0.0	0.0	0.0					
Total	227.0	56.0	165.0	154.0	226.0	146.0	150.0					
D. Ll.	16	7	14	9	14	13	9					

TOTALES ANUALES — Días lluvia

ESTACION: CUBA MUNICIPIO: VICTORIA AÑO: 1.989

ALTITUD 1.050 LATITUD: 5-19 N. LONGITUD: 74-56 W

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1				0.0	0.0	48.5	13.0	0.0	13.0	21.0	0.0	96.0
2				0.0	0.0	4.0	0.0	0.0	0.0	33.0	20.0	38.0
3				0.0	0.0	3.5	0.0	5.0	8.0	0.0	21.0	0.0
4				17.0	18.0	0.0	0.0	9.0	12.0	17.0	9.0	43.0
5				0.0	14.5	17.0	0.0	50.0	10.0	0.0	0.0	75.0
6				0.0	0.0	16.5	0.0	0.0	59.0	0.0	0.0	0.0
7				0.0	18.0	2.0	0.0	0.0	11.0	8.0	43.0	0.0
8				6.5	21.0	0.0	0.0	16.0	0.0	5.0	64.0	22.0
9				0.0	28.0	0.0	0.0	9.0	30.0	0.0	15.0	26.0
10				0.0	0.0	1.5	0.0	0.0	0.0	40.0	25.0	118.0
11				50.0	5.5	0.0	0.0	0.0	1.5	5.0	0.0	35.0
12				12.0	13.5	10.0	0.0	0.0	6.0	3.0	13.0	0.0
13			2.5	21.5	0.0	1.0	0.0	0.0	22.0	6.0	0.0	5.0
14			20.0	0.0	6.5	0.0	0.0	0.0	2.0	6.0	0.0	0.0
15			41.5	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16			11.5	18.0	0.0	0.0	0.0	2.0	0.0	9.0	116.0	0.0
17			17.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0	0.0	0.0
18			44.0	0.0	0.0	1.0	0.0	0.0	0.0	21.0	0.0	0.0
19			10.0	47.0	0.0	0.0	23.0	4.5	72.0	0.0	4.0	0.0
20			3.5	0.0	0.0	9.0	8.0	20.0	7.0	58.0	64.0	0.0
21			3.0	68.0	0.0	2.5	8.0	14.0	38.5	0.0	3.0	1.0
22			17.0	0.0	0.0	48.0	0.0	0.0	0.0	0.0	11.0	0.0
23			28.0	0.0	0.0	16.0	7.0	0.0	13.0	25.0	0.0	12.5
24			0.0	0.0	40.0	0.0	29.0	0.0	7.0	48.5	0.0	0.0
25			72.0	0.0	1.0	8.0	3.5	4.5	1.0	55.0	11.0	27.0
26			3.5	0.0	0.0	6.0	19.0	28.0	36.0	6.0	0.0	40.0
27			27.5	0.0	3.0	135.0	0.0	0.0	46.0	80.0	0.0	5.0
28			20.5	0.0	0.0	14.5	0.0	35.0	32.0	0.0	18.0	0.0
29			0.0	0.0	0.0	8.5	54.0	20.0	0.0	14.0	0.0	13.5
30			0.0	0.0	0.0	8.0	0.0	1.5	0.0	0.0	0.0	0.0
31			0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0
Total				240.0	170.0	360.5	179.5	218.5	427.0	483.5	437.0	657.0
D. Ll.				8	12	20	10	14	20	20	15	15

TOTALES ANUALES — Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: LA CORNETA **MUNICIPIO:** VICTORIA **AÑO:** 1.989

ALTITUD: 800 **LATITUD:** 5-23 N. **LONGITUD:** 74-53 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	28.0	0.0	0.0	0.0	5.0	23.0	7.0	12.0	3.0	9.0	24.0	47.0
2	3.0	14.0	0.0	0.0	5.0	7.0	0.0	0.0	0.0	53.0	0.0	37.0
3	10.0	14.0	2.0	14.0	0.0	0.0	0.0	0.0	12.0	0.0	33.0	1.0
4	35.0	0.0	70.0	0.0	10.0	0.0	0.0	0.0	23.0	20.0	37.0	15.0
5	14.0	0.0	0.0	0.0	32.0	0.0	0.0	26.0	15.0	0.0	2.0	91.0
6	34.0	0.0	5.0	0.0	0.0	19.0	0.0	0.0	3.0	0.0	0.0	0.0
7	0.0	50.0	5.0	9.0	38.0	0.0	0.0	0.0	54.0	5.0	26.0	0.0
8	21.0	18.0	22.0	5.0	28.0	3.0	0.0	17.0	1.0	8.0	33.0	15.0
9	0.0	0.0	4.0	0.0	63.0	0.0	0.0	0.0	14.0	0.0	6.0	20.0
10	0.0	0.0	18.0	0.0	3.0	0.0	0.0	0.0	20.0	138.0	20.0	55.0
11	4.0	0.0	0.0	61.0	0.0	0.0	0.0	1.0	0.0	4.0	0.0	25.0
12	8.0	26.0	3.0	19.0	14.0	4.0	0.0	10.0	0.0	18.0	40.0	0.0
13	0.0	0.0	2.0	1.0	0.0	6.0	0.0	1.0	32.0	10.0	2.0	3.0
14	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
15	5.0	0.0	24.0	69.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	33.0	0.0	18.0	74.0	0.0	0.0	0.0	0.0	0.0	1.0	109.0	0.0
17	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	3.0	0.0
18	27.0	0.0	24.0	0.0	0.0	11.0	0.0	0.0	0.0	1.0	0.0	0.0
19	5.0	7.0	1.0	58.0	0.0	5.0	28.0	0.0	20.0	0.0	0.0	0.0
20	0.0	0.0	9.0	0.0	0.0	10.0	1.0	17.0	9.0	17.0	15.0	0.0
21	5.0	8.0	11.0	43.0	0.0	2.0	14.0	27.0	57.0	2.0	0.0	0.0
22	0.0	0.0	17.0	0.0	0.0	50.0	1.0	21.0	0.0	0.0	4.0	0.0
23	3.0	30.0	32.0	0.0	0.0	13.0	20.0	1.0	0.0	36.0	0.0	18.0
24	61.0	3.0	0.0	0.0	0.0	0.0	22.0	0.0	15.0	49.0	0.0	0.0
25	13.0	7.0	56.0	1.0	42.0	2.0	9.0	4.0	15.0	55.0	2.0	8.0
26	0.0	0.0	0.0	0.0	0.0	1.0	6.0	19.0	40.0	7.0	2.0	44.0
27	52.0	0.0	15.0	0.0	7.0	134.0	3.0	0.0	29.0	85.0	0.0	2.0
28	19.0	0.0	48.0	0.0	3.0	4.0	0.0	74.0	31.0	0.0	17.0	0.0
29	0.0	0.0	0.0	10.0	0.0	0.0	72.0	35.0	0.0	63.0	0.0	0.0
30	0.0	0.0	32.0	0.0	0.0	27.0	1.0	1.0	0.0	1.0	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	380.0	177.0	426.0	364.0	250.0	321.0	184.0	266.0	393.0	609.0	375.0	381.0
D. Ll.	19	10	23	12	12	17	12	15	18	22	17	14

TOTALES ANUALES 4126.0 mm. 191 Dias lluvia

ESTACION: EL TAMBOR **MUNICIPIO:** VICTORIA **AÑO:** 1.989

ALTITUD: 850 **LATITUD:** 5-22 N. **LONGITUD:** 74-56 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	80.0	0.0	0.0	0.0	3.0	4.0	6.0	0.0	0.0	0.0	85.0	84.0
2	1.0	16.0	0.0	2.0	5.0	0.0	0.0	0.0	3.0	67.0	17.0	0.0
3	25.0	5.0	2.0	14.0	0.0	20.0	0.0	8.0	24.0	8.0	40.0	44.0
4	50.0	0.0	28.0	0.0	26.0	0.0	0.0	0.0	46.0	1.0	6.0	30.0
5	10.0	0.0	0.0	6.0	39.0	0.0	0.0	43.0	30.0	0.0	0.0	55.0
6	30.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	6.0	2.0	13.0	6.0
7	0.0	57.0	4.0	7.0	33.0	24.0	0.0	0.0	62.0	0.0	34.0	0.0
8	14.0	29.0	19.0	12.0	0.0	0.0	0.0	40.0	0.0	14.0	28.0	24.0
9	0.0	0.0	6.0	3.0	53.0	4.0	0.0	0.0	56.0	0.0	31.0	15.0
10	0.0	0.0	6.0	0.0	64.0	0.0	0.0	6.0	0.0	59.0	0.0	40.0
11	3.0	2.0	9.0	69.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
12	13.0	0.0	2.0	24.0	0.0	0.0	0.0	27.0	0.0	28.0	0.0	0.0
13	0.0	0.0	3.0	5.0	0.0	7.0	0.0	0.0	34.0	25.0	0.0	1.0
14	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	2.0	0.0	25.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	27.0	0.0	31.0	75.0	0.0	0.0	0.0	0.0	0.0	20.0	84.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	0.0	0.0
18	26.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	1.0	0.0	0.0
19	19.0	5.0	8.0	76.0	0.0	10.0	23.0	0.0	28.0	0.0	0.0	0.0
20	10.0	0.0	7.0	0.0	0.0	10.0	0.0	22.0	2.0	10.0	5.0	2.0
21	0.0	0.0	12.0	65.0	0.0	0.0	11.0	54.0	50.0	0.0	0.0	0.0
22	0.0	11.0	22.0	0.0	0.0	0.0	0.0	11.0	15.0	58.0	0.0	2.0
23	0.0	28.0	30.0	2.0	0.0	142.0	19.0	6.0	0.0	17.0	0.0	0.0
24	129.0	0.0	0.0	0.0	29.0	0.0	10.0	0.0	9.0	37.0	1.0	8.0
25	3.0	13.0	70.0	0.0	0.0	5.0	30.0	13.0	22.0	60.0	0.0	0.0
26	40.0	0.0	0.0	0.0	0.0	3.0	7.0	8.0	24.0	4.0	0.0	41.0
27	18.0	0.0	9.0	5.0	0.0	148.0	10.0	0.0	32.0	32.0	0.0	0.0
28	0.0	0.0	51.0	0.0	4.0	0.0	0.0	94.0	35.0	0.0	20.0	5.0
29	0.0	0.0	0.0	8.0	0.0	0.0	62.0	28.0	0.0	130.0	4.0	0.0
30	0.0	0.0	34.0	0.0	0.0	18.0	0.0	2.0	0.0	0.0	2.0	0.0
31	0.0	0.0	0.0	0.0	5.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0
Total	500.0	166.0	400.0	428.0	261.0	398.0	191.0	362.0	478.0	604.0	370.0	357.0
D. Ll.	18	9	22	16	10	13	10	14	17	20	14	14

TOTALES ANUALES 4515.0 mm. 177 Dias lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: EL RECREO — MUNICIPIO: PALESTINA — AÑO: 1.989

ALTITUD: 1.450 — LATITUD: 5-02 N. — LONGITUD: 75-39 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	13.0	5.0	0.0	9.0	10.0	2.0	0.0	0.0	0.0	40.0	0.0	20.0
2	0.0	0.0	0.0	0.0	0.0	4.0	0.0	1.0	0.0	12.0	34.0	0.0
3	33.0	3.0	26.0	4.0	0.0	0.0	0.0	0.0	35.0	0.0	36.0	0.0
4	30.0	0.0	3.0	43.0	3.0	0.0	0.0	6.0	0.0	2.0	1.0	9.0
5	0.0	1.0	0.0	0.0	26.0	3.0	10.0	0.0	5.0	0.0	0.0	0.0
6	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	11.0	5.0	22.0	0.0
7	21.0	0.0	0.0	21.0	21.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
8	20.0	0.0	0.0	1.0	6.0	4.0	5.0	56.0	8.0	13.0	0.0	11.0
9	0.0	25.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	9.0	0.0
10	0.0	48.0	0.0	8.0	11.0	3.0	0.0	4.0	5.0	20.0	0.0	0.0
11	0.0	3.0	29.0	0.0	47.0	21.0	0.0	0.0	4.0	6.0	0.0	20.0
12	0.0	20.0	3.0	0.0	23.0	5.0	0.0	6.0	0.0	0.0	0.0	0.0
13	0.0	0.0	24.0	0.0	0.0	2.0	0.0	0.0	22.0	24.0	0.0	0.0
14	0.0	1.0	1.0	12.0	12.0	4.0	0.0	7.0	0.0	6.0	3.0	0.0
15	0.0	3.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	29.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
17	10.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	13.0	0.0	19.0	0.0
18	10.0	0.0	0.0	0.0	6.0	16.0	0.0	28.0	0.0	0.0	2.0	0.0
19	1.0	0.0	0.0	2.0	0.0	2.0	15.0	0.0	0.0	0.0	9.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	5.0	2.0	0.0	0.0	23.0	0.0
21	0.0	1.0	0.0	0.0	0.0	14.0	6.0	0.0	20.0	0.0	0.0	0.0
22	0.0	1.0	0.0	35.0	53.0	33.0	2.0	0.0	0.0	15.0	11.0	5.0
23	0.0	6.0	32.0	126.0	23.0	1.0	0.0	4.0	0.0	17.0	21.0	0.0
24	0.0	0.0	0.0	0.0	39.0	6.0	22.0	0.0	0.0	0.0	0.0	5.0
25	0.0	0.0	0.0	0.0	6.0	0.0	5.0	19.0	68.0	0.0	0.0	2.0
26	53.0	0.0	12.0	8.0	0.0	14.0	0.0	0.0	0.0	20.0	0.0	0.0
27	4.0	0.0	10.0	40.0	12.0	63.0	0.0	0.0	7.0	14.0	0.0	6.0
28	8.0	0.0	2.0	0.0	5.0	0.0	0.0	52.0	0.0	0.0	48.0	2.0
29	1.0	0.0	0.0	17.0	0.0	0.0	7.0	7.0	0.0	0.0	6.0	0.0
30	5.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	3.0	23.0	0.0
31	10.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	38.0	0.0	0.0
Total	248.0	117.0	179.0	342.0	306.0	197.0	102.0	212.0	199.0	235.0	267.0	80.0
D. Ll.	15	12	12	15	17	17	12	14	12	15	15	9

TOTALES ANUALES: 2484.0 — 165 Días lluvia

ESTACION: LA ARGENTINA — MUNICIPIO: PALESTINA — AÑO: 1.989

ALTITUD — LATITUD: 5-01 N. — LONGITUD: 75-41 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	23.0	0.0	0.0	9.0	0.0	0.0	2.0	36.0	0.0	19.0	0.0	
2	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	
3	16.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	18.0	
4	42.0	0.0	5.0	27.0	0.0	8.0	0.0	0.0	4.0	4.0	0.0	
5	0.0	10.0	0.0	0.0	28.0	0.0	12.0	12.0	3.0	0.0	0.0	
6	7.0	0.0	3.0	9.0	0.0	5.0	0.0	0.0	6.0	8.0	18.0	
7	23.0	0.0	0.0	24.0	62.0	0.0	4.0	0.0	0.0	0.0	0.0	
8	0.0	0.0	0.0	0.0	2.0	0.0	14.0	0.0	16.0	4.0	0.0	
9	0.0	51.0	0.0	3.0	3.0	0.0	0.0	16.0	0.0	0.0	0.0	
10	0.0	25.0	0.0	0.0	22.0	4.0	0.0	2.0	6.0	21.0	5.0	
11	0.0	0.0	41.0	0.0	39.0	14.0	0.0	10.0	10.0	5.0	0.0	
12	2.0	25.0	5.0	0.0	12.0	0.0	0.0	0.0	2.0	22.0	0.0	
13	9.0	0.0	18.0	0.0	5.0	0.0	0.0	0.0	33.0	0.0	0.0	
14	0.0	0.0	1.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	6.0	
15	0.0	10.0	26.0	0.0	20.0	8.0	0.0	41.0	0.0	0.0	0.0	
16	20.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	3.0	41.0	
17	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	
18	0.0	0.0	0.0	0.0	13.0	40.0	0.0	12.0	0.0	4.0	0.0	
19	0.0	0.0	0.0	0.0	0.0	2.0	13.0	41.0	0.0	0.0	27.0	
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	
21	0.0	8.0	0.0	0.0	0.0	4.0	3.0	0.0	17.0	0.0	0.0	
22	0.0	6.0	0.0	73.0	42.0	30.0	11.0	7.0	0.0	16.0	0.0	
23	0.0	0.0	18.0	52.0	34.0	2.0	3.0	1.0	0.0	0.0	24.0	
24	0.0	0.0	0.0	0.0	33.0	5.0	2.0	0.0	0.0	0.0	0.0	
25	0.0	0.0	0.0	0.0	0.0	0.0	12.0	34.0	102.0	0.0	0.0	
26	61.0	0.0	13.0	9.0	6.0	19.0	0.0	0.0	4.0	50.0	0.0	
27	5.0	0.0	10.0	35.0	8.0	51.0	0.0	0.0	0.0	38.0	0.0	
28	6.0	0.0	0.0	0.0	0.0	0.0	0.0	57.0	0.0	0.0	20.0	
29	0.0	0.0	0.0	5.0	0.0	2.0	8.0	14.0	0.0	10.0	6.0	
30	3.0	0.0	0.0	40.0	10.0	1.0	0.0	0.0	0.0	2.0	0.0	
31	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	0.0	
Total	244.0	135.0	160.0	299.0	339.0	195.0	84.0	292.0	227.0	249.0	169.0	
D. Ll.	14	7	11	13	16	15	11	15	13	16	10	

TOTALES ANUALES — Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: PROVIDENCIA MUNICIPIO: PALESTINA AÑO: 1.989

ALTITUD: 1.250 LATITUD: 5-03 N. LONGITUD: 75-12 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	40.0	1.0	0.0	0.0	23.0	0.0	1.0					
2	17.0	0.0	0.0	1.0	1.0	2.0	0.0					
3	5.0	2.0	30.0	5.0	0.0	0.0	0.0					
4	52.0	0.0	6.0	20.0	0.0	30.0	0.0					
5	0.0	0.0	0.0	4.0	0.0	0.0	18.0					
6	0.0	12.0	3.0	0.0	0.0	0.0	0.0					
7	21.0	0.0	0.0	20.0	26.0	0.0	7.0					
8	9.0	0.0	0.0	1.0	9.0	0.0	35.0					
9	0.0	40.0	0.0	0.0	5.0	2.0	0.0					
10	4.0	0.0	5.0	2.0	2.0	0.0	0.0					
11	0.0	3.0	0.0	0.0	8.0	10.0	0.0					
12	0.0	8.0	32.0	0.0	14.0	2.0	0.0					
13	17.0	0.0	26.0	0.0	0.0	0.0	0.0					
14	10.0	0.0	0.0	6.0	3.0	0.0	0.0					
15	1.0	4.0	33.0	0.0	0.0	20.0	0.0					
16	6.0	0.0	0.0	7.0	0.0	1.0	0.0					
17	4.0	0.0	0.0	0.0	0.0	0.0	0.0					
18	1.0	0.0	0.0	0.0	21.0	25.0	0.0					
19	0.0	0.0	0.0	0.0	0.0	0.0	29.0					
20	0.0	1.0	0.0	0.0	0.0	0.0	3.0					
21	0.0	3.0	0.0	0.0	0.0	0.0	0.0					
22	0.0	0.0	0.0	20.0	46.0	30.0	0.0					
23	0.0	0.0	30.0	75.0	30.0	0.0	7.0					
24	0.0	0.0	0.0	0.0	42.0	0.0	2.0					
25	0.0	0.0	2.0	0.0	7.0	0.0	0.0					
26	58.0	0.0	0.0	9.0	0.0	0.0	7.0					
27	3.0	0.0	9.0	20.0	22.0	32.0	1.0					
28	4.0	0.0	3.0	0.0	0.0	7.0	4.0					
29	0.0	0.0	0.0	14.0	0.0	0.0	12.0					
30	0.0	0.0	0.0	0.0	0.0	1.0	4.0					
31	0.0	0.0	0.0	0.0	7.0	0.0	0.0					
Total	252.0	74.0	179.0	204.0	266.0	162.0	130.0	0				
D. Ll.	16	9	11	14	16	12	13	0				
TOTALES ANUALES												Días lluvia

ESTACION: LA PALMA MUNICIPIO: PALESTINA AÑO: 1.989

ALTITUD 1.200 LATITUD: 5-01 N. LONGITUD: 75-42 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	7.0	0.0	0.0	0.0	0.0	3.0						
2	9.0	3.0	25.0	2.0	1.0	0.0						
3	29.0	0.0	0.0	40.0	0.0	9.0						
4	0.0	0.0	6.0	0.0	20.0	2.0						
5	0.0	24.0	5.0	21.0	0.0	8.0						
6	27.0	0.0	0.0	25.0	65.0	4.0						
7	0.0	0.0	4.0	15.0	10.0	0.0						
8	0.0	72.0	0.0	0.0	6.0	1.0						
9	3.0	22.0	0.0	5.0	9.0	0.0						
10	0.0	5.0	50.0	0.0	20.0	20.0						
11	4.0	22.0	6.0	1.0	15.0	50.0						
12	10.0	10.0	7.0	5.0	4.0	2.0						
13	0.0	3.0	5.0	2.0	0.0	0.0						
14	0.0	0.0	19.0	5.0	9.0	10.0						
15	10.0	0.0	4.0	0.0	0.0	0.0						
16	12.0	0.0	0.0	0.0	0.0	2.0						
17	2.0	0.0	0.0	0.0	13.0	20.0						
18	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						
20	0.0	2.0	0.0	0.0	0.0	0.0						
21	0.0	0.0	0.0	30.0	19.0	5.0						
22	0.0	10.0	35.0	2.0	35.0	0.0						
23	0.0	3.0	0.0	3.0	34.0	3.0						
24	0.0	0.0	3.0	0.0	10.0	5.0						
25	62.0	0.0	20.0	6.0	0.0	30.0						
26	20.0	0.0	2.0	45.0	8.0	0.0						
27	6.0	0.0	0.0	10.0	10.0	9.0						
28	2.0	0.0	0.0	5.0	0.0	20.0						
29	3.0	0.0	0.0	0.0	0.0	4.0						
30	20.0	0.0	0.0	30.0	30.0	0.0						
31	4.0	0.0	15.0	0.0	0.0	0.0						
Total	230.0	176.0	206.0	252.0	318.0	210.0						
D. Ll.	17	11	15	18	18	20						
TOTALES ANUALES												Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: EL DIAMANTE MUNICIPIO: BELALCAZAR AÑO: 1.989

ALTITUD: 1.200 LATITUD: 4-55 N. LONGITUD: 75-50 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.0		0.0	5.0			15.0	0.0	0.0	0.0	0.0	0.0
2	12.0		0.0	0.0			0.0	0.0	0.0	10.0	0.0	0.0
3	10.0		20.0	73.0			0.0	0.0	0.0	0.0	0.0	13.0
4	6.0		6.0	0.0			0.0	0.0	5.0	0.0	0.0	0.0
5	0.0		0.0	0.0			2.0	0.0	10.0	0.0	12.0	0.0
6	7.0		21.0	10.0			0.0	0.0	0.0	12.0	15.0	6.0
7	10.0		40.0	7.0			0.0	5.0	30.0	0.0	0.0	0.0
8	3.0		0.0	26.0			5.0	0.0	0.0	0.0	0.0	0.0
9	7.0		0.0	0.0			0.0	0.0	27.0	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
11	0.0		28.0	0.0			0.0	0.0	0.0	19.0	0.0	6.0
12	3.0		6.0	0.0			0.0	0.0	0.0	3.0	0.0	0.0
13	0.0		3.0	3.0			0.0	0.0	0.0	7.0	0.0	0.0
14	6.0		0.0	0.0			0.0	3.0	0.0	20.0	0.0	12.0
15	0.0		45.0	0.0			0.0	27.0	0.0	0.0	41.0	0.0
16	19.0		0.0	26.0			0.0	0.0	12.0	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
18	0.0		0.0	0.0			0.0	12.0	0.0	0.0	0.0	14.0
19	0.0		0.0	0.0			31.0	24.0	0.0	0.0	0.0	0.0
20	0.0		0.0	2.0			0.0	0.0	0.0	0.0	27.0	0.0
21	0.0		0.0	0.0			0.0	0.0	10.0	30.0	0.0	0.0
22	0.0		0.0	23.0			23.0	0.0	0.0	28.0	0.0	0.0
23	16.0		0.0	37.0			10.0	0.0	0.0	4.0	17.0	0.0
24	0.0		0.0	0.0			3.0	0.0	26.0	5.0	0.0	28.0
25	0.0		28.0	0.0			0.0	34.0	20.0	34.0	0.0	0.0
26	10.0		20.0	0.0			3.0	0.0	12.0	0.0	0.0	0.0
27	0.0		21.0	17.0			0.0	0.0	16.0	12.0	0.0	7.0
28	10.0		0.0	27.0			0.0	24.0	0.0	0.0	16.0	0.0
29	15.0		0.0	1.0			44.0	16.0	0.0	0.0	15.0	0.0
30	0.0		0.0	0.0			6.0	0.0	32.0	0.0	11.0	0.0
31	0.0		0.0	0.0			30.0	0.0	0.0	34.0	0.0	0.0
Total	134.0		238.0	257.0			172.0	145.0	200.0	218.0	154.0	86.0
D. LL.	14		11	13			11	8	11	13	8	7

TOTALES ANUALES mm. Dias lluvia

ESTACION: LA SIERRA MUNICIPIO: CHINCHINA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 4-59 N. LONGITUD: 75-38 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	11.0	6.0	0.0	0.0	42.0	0.0	7.0	0.0	0.0	20.0	11.0	36.0
2	5.0	0.0	0.0	0.0	2.0	10.0	4.0	3.0	0.0	36.0	6.0	0.0
3	7.0	12.0	6.0	0.0	0.0	2.0	0.0	0.0	43.0	0.0	18.0	20.0
4	23.0	21.0	2.0	40.0	4.0	0.0	0.0	0.0	12.0	12.0	0.0	16.0
5	0.0	0.0	2.0	0.0	15.0	2.0	5.0	0.0	7.0	3.0	0.0	4.0
6	11.0	0.0	34.0	38.0	0.0	2.0	0.0	0.0	4.0	7.0	2.0	0.0
7	35.0	0.0	4.0	41.0	49.0	0.0	7.0	0.0	0.0	0.0	14.0	0.0
8	10.0	0.0	0.0	3.0	12.0	0.0	12.0	35.0	3.0	0.0	0.0	0.0
9	0.0	37.0	0.0	0.0	4.0	2.0	0.0	0.0	0.0	1.0	0.0	18.0
10	0.0	43.0	0.0	2.0	14.0	2.0	0.0	3.0	9.0	36.0	28.0	1.0
11	0.0	0.0	21.0	0.0	24.0	19.0	0.0	0.0	10.0	7.0	0.0	44.0
12	4.0	0.0	12.0	0.0	18.0	16.0	0.0	8.0	21.0	0.0	0.0	0.0
13	6.0	0.0	23.0	0.0	2.0	1.0	0.0	0.0	7.0	44.0	0.0	0.0
14	0.0	0.0	3.0	22.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	27.0
15	0.0	18.0	23.0	0.0	0.0	5.0	0.0	45.0	0.0	0.0	7.0	0.0
16	22.0	0.0	5.0	10.0	0.0	0.0	0.0	0.0	38.0	0.0	37.0	0.0
17	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	4.0	0.0	0.0
18	12.0	0.0	0.0	0.0	11.0	10.0	0.0	0.0	0.0	7.0	0.0	1.0
19	0.0	0.0	12.0	3.0	4.0	4.0	25.0	0.0	2.0	0.0	7.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	6.0	7.0	0.0	0.0	10.0	0.0
21	0.0	0.0	0.0	0.0	0.0	12.0	0.0	2.0	25.0	7.0	0.0	0.0
22	0.0	16.0	4.0	27.0	8.0	11.0	3.0	0.0	4.0	16.0	21.0	0.0
23	0.0	4.0	21.0	45.0	19.0	2.0	2.0	24.0	0.0	0.0	37.0	0.0
24	0.0	0.0	0.0	2.0	13.0	0.0	13.0	0.0	0.0	0.0	0.0	15.0
25	0.0	7.0	0.0	0.0	8.0	0.0	18.0	48.0	34.0	0.0	0.0	31.0
26	34.0	0.0	5.0	10.0	0.0	0.0	6.0	0.0	0.0	16.0	0.0	11.0
27	7.0	0.0	53.0	49.0	7.0	11.0	0.0	0.0	3.0	11.0	0.0	0.0
28	9.0	0.0	4.0	16.0	10.0	4.0	0.0	51.0	14.0	0.0	18.0	5.0
29	6.0	0.0	0.0	11.0	0.0	0.0	11.0	9.0	0.0	0.0	8.0	0.0
30	26.0	0.0	0.0	0.0	0.0	8.0	1.0	0.0	0.0	37.0	26.0	0.0
31	20.0	0.0	16.0	0.0	35.0	0.0	27.0	0.0	0.0	26.0	0.0	0.0
Total	256.0	164.0	250.0	319.0	301.0	123.0	147.0	244.0	261.0	290.0	250.0	229.0
D. LL.	18	9	18	15	20	18	15	12	17	17	15	13

TOTALES ANUALES 2834.0 mm. 187 Dias lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: LA TRINIDAD MUNICIPIO: PIENDAMO AÑO: 1.989

ALTITUD: 1.600 LATITUD: 2-41 N. LONGITUD: 76-32 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	12.0	0.0	0.0	0.0	67.0	19.0	0.0	0.0	0.0	3.0	4.0	64.0
2	2.0	33.0	13.0	14.0	2.0	3.0	0.0	0.0	0.0	16.0	0.0	3.0
3	14.0	11.0	0.0	3.0	21.0	0.0	0.0	0.0	8.0	32.0	33.0	14.0
4	15.0	3.0	7.0	6.0	2.0	22.0	0.0	0.0	5.0	0.0	0.0	8.0
5	5.0	1.0	0.0	0.0	7.0	39.0	5.0	0.0	25.0	2.0	0.0	0.0
6	0.0	11.0	26.0	0.0	0.0	6.0	0.0	0.0	12.0	0.0	41.0	0.0
7	8.0	1.0	0.0	3.0	5.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
8	11.0	0.0	2.0	0.0	0.0	1.0	0.0	0.0	0.0	10.0	0.0	0.0
9	15.0	19.0	44.0	0.0	0.0	0.0	0.0	14.0	15.0	2.0	0.0	9.0
10	0.0	6.0	11.0	1.0	10.0	0.0	0.0	3.0	0.0	27.0	7.0	2.0
11	28.0	1.0	4.0	0.0	0.0	4.0	0.0	0.0	0.0	3.0	2.0	39.0
12	0.0	0.0	27.0	9.0	2.0	0.0	0.0	0.0	0.0	2.0	0.0	6.0
13	3.0	0.0	10.0	15.0	3.0	0.0	0.0	0.0	0.0	0.0	7.0	2.0
14	0.0	30.0	17.0	1.0	2.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0
15	0.0	13.0	8.0	4.0	0.0	0.0	0.0	0.0	1.0	5.0	0.0	0.0
16	0.0	6.0	15.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	2.0	11.0	8.0	0.0	0.0	0.0	0.0	0.0	1.0	10.0	0.0	0.0
18	6.0	3.0	0.0	2.0	2.0	13.0	0.0	0.0	0.0	7.0	0.0	0.0
19	1.0	0.0	2.0	3.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
20	0.0	0.0	8.0	4.0	0.0	0.0	0.0	4.0	8.0	0.0	24.0	0.0
21	7.0	0.0	0.0	0.0	0.0	18.0	20.0	8.0	1.0	2.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	15.0	7.0	0.0	28.0	4.0	0.0	0.0
23	10.0	13.0	0.0	0.0	10.0	6.0	15.0	6.0	0.0	3.0	0.0	0.0
24	0.0	3.0	0.0	0.0	13.0	1.0	58.0	0.0	2.0	1.0	0.0	5.0
25	0.0	13.0	0.0	3.0	18.0	4.0	15.0	0.0	0.0	14.0	0.0	11.0
26	8.0	0.0	0.0	5.0	0.0	7.0	4.0	0.0	15.0	1.0	0.0	2.0
27	20.0	0.0	15.0	63.0	11.0	14.0	0.0	10.0	7.0	0.0	0.0	8.0
28	3.0	0.0	0.0	23.0	6.0	1.0	0.0	7.0	3.0	16.0	6.0	7.0
29	0.0	0.0	0.0	44.0	0.0	0.0	0.0	56.0	0.0	0.0	35.0	2.0
30	22.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0
31	59.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	0.0
Total	251.0	178.0	225.0	205.0	182.0	173.0	124.0	110.0	131.0	191.0	167.0	182.0
D. LI.	20	17	17	18	17	16	7	9	14	23	10	15

TOTALES ANUALES 2119.0 183 Días lluvia

ESTACION: PORTACHUELO MUNICIPIO: ROSAS AÑO: 1.989

ALTITUD 1.750 LATITUD: 2-15 N. LONGITUD: 76-43 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	47.0	6.5		2.0	30.0	0.0	0.0	0.0	0.0	0.0	4.0	17.0
2	12.0	16.0		4.5	10.0	2.0	0.0	0.0	0.0	0.0	5.0	14.5
3	26.0	26.0		4.0	51.0	0.0	0.0	0.0	9.0	17.0	41.0	7.0
4	61.0	7.0		0.0	3.5	0.0	0.0	0.0	13.0	0.0	0.0	20.0
5	5.0	2.0		0.0	20.5	6.0	0.0	0.0	15.5	0.0	11.0	0.0
6	28.0	0.0		0.0	0.0	0.0	0.0	0.0	2.0	0.0	31.5	0.0
7	3.0	0.0		0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	5.0	0.0		0.0	4.0	2.0	0.0	0.0	1.0	9.5	11.5	0.0
9	17.0	17.0		0.0	2.0	2.0	0.0	0.0	0.0	12.5	18.0	13.0
10	6.0	0.0		0.0	6.5	0.0	0.0	0.0	0.0	33.0	12.0	42.0
11	10.0	0.0		5.5	0.0	0.0	0.0	0.0	0.0	3.5	5.0	0.0
12	0.0	0.0		0.0	39.0	1.0	0.0	0.0	0.0	13.5	21.0	0.0
13	0.0	0.0		2.0	6.0	0.0	0.0	0.0	0.0	9.0	20.0	6.5
14	0.0	0.0		10.0	0.0	0.0	0.0	0.0	0.0	11.0	17.5	10.0
15	0.0	52.0		0.0	0.0	0.0	0.0	0.0	0.0	4.5	42.0	0.0
16	0.0	52.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0
17	7.5	25.5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
18	0.0	0.0		42.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0		3.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0
20	0.0	0.0		0.0	0.0	0.0	0.0	14.0	6.5	0.0	7.0	0.0
21	0.0	0.0		0.0	0.0	0.0	0.0	5.5	0.0	45.0	0.0	0.0
22	0.0	17.0		0.0	32.0	2.0	0.0	0.0	2.0	39.5	6.0	11.0
23	0.0	12.0		0.0	0.0	2.0	10.5	0.0	0.0	13.0	10.0	0.0
24	0.0	7.0		0.0	0.0	0.0	39.0	0.0	6.0	33.0	0.0	2.0
25	0.0	0.0		0.0	2.0	3.0	46.0	0.0	0.0	24.5	0.0	40.0
26	17.5	0.0		0.0	9.0	30.0	9.0	0.0	4.0	26.0	0.0	62.0
27	40.0	0.0		55.0	0.0	3.0	0.0	0.0	0.0	2.5	0.0	71.0
28	17.5	0.0		25.5	3.0	36.0	2.0	0.0	5.5	7.0	16.0	8.5
29	0.0	0.0		19.0	0.0	2.0	0.0	13.0	0.0	38.0	0.0	3.0
30	1.5	0.0		15.0	0.0	0.0	1.0	2.0	0.0	3.0	15.0	26.0
31	15.0	0.0		0.0	3.0	0.0	0.0	0.0	0.0	32.0	0.0	39.0
Total	319.0	240.0		187.5	224.5	91.0	107.5	34.5	64.5	380.5	302.5	392.5
D. LI.	17	12		12	16	12	6	4	10	21	20	17

TOTALES ANUALES Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: SAN JUAN — MUNICIPIO: S. JUAN RIOSECO — AÑO: 1.989

ALTITUD: 1.300 — LATITUD: 4-51 N. — LONGITUD: 74-40 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	11.1
2	0.0	1.8	0.0	11.1	1.5	4.8	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	15.1	29.1	0.0	0.0	0.0	0.0	20.2	0.0	13.2
4	8.1	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	4.2	20.7	0.0
5	0.0	0.0	0.0	20.1	0.0	0.0	0.0	0.0	12.2	7.5	0.0	0.0
6	6.2	1.5	20.1	0.0	20.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	1.3	0.0	0.0	30.2	0.0	0.5	0.0	7.1	2.4	0.0	11.1
8	0.0	0.0	30.1	0.0	0.0	1.1	0.0	0.0	6.2	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	37.2	0.0	0.0	0.0	3.1	1.5	0.0	0.0
10	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	45.3	0.0	1.1
11	0.0	19.1	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	1.1	0.0	43.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	26.1	4.1	0.0
14	2.1	0.0	1.8	1.1	0.0	0.0	0.0	0.0	0.0	6.1	40.2	0.0
15	0.0	0.0	5.1	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0
16	0.0	0.0	12.0	0.0	0.0	17.4	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	2.5	1.1	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	30.1	0.0	0.0	0.0	0.0	3.2	0.0	2.1	0.0	0.0
20	0.0	1.3	0.0	0.0	10.2	0.0	0.0	33.2	0.0	0.0	14.1	0.0
21	1.2	1.1	0.0	0.0	0.0	0.0	0.0	10.1	20.1	9.3	22.1	0.0
22	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	11.1	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	20.1	0.0	0.0	28.3	0.0	10.3	0.0	0.0
24	0.0	0.0	2.3	0.0	0.0	0.0	2.1	0.0	0.2	0.0	54.1	0.0
25	0.0	0.0	0.0	10.1	0.0	0.0	0.0	0.0	12.1	0.0	0.0	0.0
26	3.2	0.0	25.1	0.0	0.0	0.5	9.2	11.2	0.0	18.1	11.1	0.0
27	7.3	0.0	0.0	0.0	21.1	0.0	0.0	0.0	53.7	10.1	0.0	0.0
28	0.0	0.0	0.0	20.3	0.0	0.0	0.0	0.0	17.8	0.0	21.1	0.0
29	0.0	0.0	15.1	0.0	0.0	0.0	0.0	30.1	0.0	0.0	0.0	0.0
30	0.0	0.0	16.2	0.0	0.0	0.0	0.0	0.0	0.0	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	7.1	0.0	0.0
Total	31.2	27.2	176.0	77.8	213.8	25.0	11.8	117.2	147.8	189.3	171.1	36.5
D. Ll.	7	7	14	6	10	5	3	7	11	15	9	4

TOTALES ANUALES: 1224.7 — 98 Días lluvia

ESTACION: INSTITUTO TECNICO — MUNICIPIO: SANTANDER — AÑO: 1.989

ALTITUD 1.112 — LATITUD: 3-01 N. — LONGITUD: 76-29 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	29.0	1.0	0.0	28.0	22.0	0.0	0.0	0.0	0.0	0.0	46.0	48.0
2	13.0	26.0	0.0	1.0	2.0	3.0	0.0	0.0	0.0	0.0	3.0	0.0
3	22.0	82.0	5.0	0.0	5.0	0.0	0.0	0.0	38.0	4.0	0.0	24.0
4	21.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	26.0	1.0	0.0	1.0
5	0.0	0.0	2.0	0.0	2.0	12.0	0.0	0.0	12.0	0.0	0.0	0.0
6	11.0	1.0	9.0	0.0	1.0	7.0	0.0	0.0	0.0	0.0	5.0	0.0
7	3.0	0.0	0.0	0.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	6.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	3.0	10.0	0.0	0.0	0.0	19.0	0.0	0.0	0.0	4.0	0.0	7.0
10	0.0	39.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	40.0	4.0	0.0
11	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0
12	4.0	0.0	49.0	0.0	3.0	0.0	0.0	0.0	10.0	0.0	0.0	57.0
13	0.0	0.0	30.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
14	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	7.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
16	0.0	9.0	1.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	16.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	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	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	0.0	0.0	0.0	0.0	19.0	6.0	39.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	15.0	0.0	0.0	0.0
22	19.0	33.0	0.0	14.0	0.0	0.0	0.0	0.0	7.0	14.0	0.0	0.0
23	0.0	1.0	0.0	0.0	0.0	3.0	39.0	0.0	0.0	12.0	0.0	0.0
24	0.0	0.0	0.0	0.0	9.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	5.0	1.0	20.0	3.0	9.0	24.0	0.0	7.0
26	20.0	11.0	0.0	2.0	0.0	21.0	0.0	0.0	0.0	4.0	0.0	1.0
27	6.0	0.0	23.0	34.0	9.0	2.0	0.0	0.0	0.0	6.0	0.0	21.0
28	2.0	0.0	0.0	34.0	11.0	0.0	0.0	6.0	20.0	0.0	44.0	7.0
29	8.0	0.0	0.0	40.0	0.0	0.0	0.0	14.0	0.0	6.0	34.0	0.0
30	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0
31	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	0.0	3.0
Total	191.0	224.0	172.0	153.0	138.0	75.0	63.0	33.0	156.0	147.0	209.0	178.0
D. Ll.	16	13	9	7	15	9	3	4	9	14	12	11

TOTALES ANUALES: 1739.0 — 122 Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: EL PARAISO — MUNICIPIO: CAPARRAPI — AÑO: 1.989

ALTITUD: 1.450 — LATITUD: 5-19 N. — LONGITUD: 74-29 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	10.0	25.0
2	0.0	21.0	0.0	0.0	20.0	40.0	0.0	0.0	20.0	0.0	0.0	0.0
3	20.0	55.0	20.0	0.0	15.0	0.0	0.0	0.0	0.0	15.0	0.0	70.0
4	0.0	0.0	19.0	0.0	20.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0
5	0.0	0.0	5.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	10.0	0.0	15.0	0.0	0.0	15.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	45.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
8	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	30.0	19.0	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	30.0	10.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0
14	0.0	0.0	0.0	15.0	0.0	15.0	11.0	0.0	0.0	15.0	0.0	0.0
15	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	5.0	10.0	0.0	0.0
16	6.0	0.0	0.0	20.0	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	30.0	0.0	0.0	0.0
18	0.0	0.0	10.0	0.0	0.0	5.0	0.0	0.0	0.0	25.0	0.0	0.0
19	0.0	0.0	15.0	15.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
20	0.0	5.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	30.0	0.0	0.0
21	0.0	10.0	10.0	0.0	0.0	5.0	0.0	10.0	0.0	20.0	0.0	0.0
22	0.0	10.0	0.0	22.0	0.0	20.0	0.0	2.0	27.0	10.0	0.0	0.0
23	13.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	40.0	5.0	0.0	0.0
24	19.0	0.0	0.0	0.0	35.0	0.0	0.0	0.0	30.0	20.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
26	0.0	0.0	0.0	0.0	5.0	5.0	0.0	0.0	10.0	0.0	0.0	0.0
27	0.0	0.0	0.0	10.0	0.0	0.0	0.0	17.0	0.0	1.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	40.0	0.0
30	0.0	0.0	0.0	0.0	5.0	5.0	0.0	0.0	0.0	0.0	34.0	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	0.0
Total	98.0	101.0	163.0	122.0	180.0	110.0	11.0	94.0	222.0	228.0	84.0	100.0
D. Ll.	5	5	9	8	11	8	1	5	11	16	3	3

TOTALES ANUALES: 1513.0 — 85 Días lluvia

ESTACION: SECRETARIA DE AGRICULTURA — MUNICIPIO: LA PALMA — AÑO: 1.989

ALTITUD 1.250 — LATITUD: 5-21 N. — LONGITUD: 74-23 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	14.0	14.0	8.0	9.0	11.0	6.0	0.0	14.0	0.0	0.0	1.0	42.0
2	23.0	6.0	16.0	0.0	16.0	0.0	0.0	0.0	0.0	3.0	12.0	2.0
3	12.0	4.0	2.0	2.0	32.0	0.0	0.0	0.0	11.0	0.0	2.0	12.0
4	6.0	8.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	10.0
5	0.0	0.0	18.0	0.0	0.0	22.0	0.0	3.0	2.0	9.0	0.0	6.0
6	0.0	0.0	0.0	14.0	9.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0
7	6.0	22.0	0.0	11.0	12.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
8	2.0	0.0	0.0	0.0	0.0	4.0	0.0	1.0	2.0	9.0	2.0	0.0
9	0.0	0.0	23.0	0.0	0.0	10.0	0.0	16.0	5.0	1.0	0.0	0.0
10	0.0	32.0	16.0	0.0	0.0	2.0	0.0	0.0	9.0	5.0	0.0	0.0
11	6.0	0.0	0.0	6.0	20.0	22.0	0.0	0.0	0.0	9.0	0.0	2.0
12	20.0	0.0	3.0	0.0	6.0	11.0	0.0	0.0	13.0	8.0	0.0	0.0
13	12.0	14.0	0.0	19.0	2.0	0.0	0.0	0.0	5.0	6.0	0.0	0.0
14	6.0	6.0	6.0	14.0	0.0	0.0	0.0	0.0	0.0	10.0	26.0	0.0
15	0.0	22.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	2.0	0.0
16	0.0	43.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	24.0	0.0
17	0.0	0.0	0.0	0.0	12.0	0.0	0.0	4.0	0.0	3.0	4.0	0.0
18	26.0	0.0	9.0	0.0	4.0	18.0	0.0	0.0	20.0	0.0	20.0	0.0
19	33.0	3.0	0.0	7.0	0.0	11.0	0.0	0.0	2.0	9.0	0.0	0.0
20	0.0	18.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	46.0	0.0	0.0	0.0
22	9.0	11.0	0.0	0.0	0.0	0.0	6.0	4.0	15.0	10.0	2.0	0.0
23	3.0	0.0	0.0	18.0	16.0	19.0	16.0	1.0	0.0	0.0	0.0	0.0
24	14.0	0.0	16.0	36.0	22.0	9.0	3.0	0.0	82.0	3.0	0.0	3.0
25	0.0	33.0	4.0	0.0	0.0	14.0	15.0	3.0	16.0	6.0	0.0	5.0
26	0.0	9.0	0.0	9.0	17.0	2.0	0.0	15.0	4.0	3.0	0.0	0.0
27	12.0	3.0	0.0	3.0	9.0	0.0	8.0	2.0	17.0	7.0	0.0	2.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	55.0	10.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	2.0	7.0	7.0	0.0	0.0	51.0	0.0
30	8.0	0.0	0.0	0.0	0.0	6.0	0.0	16.0	0.0	4.0	0.0	0.0
31	0.0	0.0	0.0	0.0	11.0	0.0	8.0	1.0	0.0	35.0	0.0	0.0
Total	212.0	248.0	173.0	148.0	159.0	167.0	63.0	102.0	319.0	167.0	146.0	84.0
D. Ll.	17	16	13	12	15	16	7	17	17	21	11	9

TOTALES ANUALES: 2028.0 — 171 Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: LA FLORIDA MUNICIPIO: VERGARA AÑO: 1.989

ALTITUD: 1.400 LATITUD: 5-03 N LONGITUD: 74-16 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	58.0	12.0	0.0	40.0	21.0	0.0	0.0	0.0	0.0	0.0	12.0	12.0
2	31.0	21.0	0.0	10.0	8.0	5.0	0.0	0.0	0.0	3.0	25.0	10.0
3	7.0	14.0	3.0	19.0	0.0	0.0	0.0	0.0	8.0	18.0	15.0	4.0
4	4.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	3.0	6.0	7.0
5	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	7.0	0.0	24.0
6	10.0	0.0	7.0	0.0	9.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0
7	8.0	24.0	7.0	0.0	40.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0
8	0.0	2.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	27.0	2.0	0.0	0.0	9.0	0.0	0.0	0.0	4.0	0.0	4.0
10	0.0	0.0	0.0	6.0	5.0	0.0	0.0	0.0	0.0	8.0	7.0	1.0
11	0.0	56.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	12.0	0.0	23.0
12	0.0	2.0	5.0	5.0	22.0	0.0	0.0	0.0	0.0	3.0	9.0	1.0
13	0.0	0.0	0.0	4.0	0.0	2.0	0.0	0.0	7.0	12.0	0.0	0.0
14	0.0	4.0	80.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	3.0	0.0
15	0.0	0.0	39.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0
17	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	10.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0
19	0.0	6.0	12.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
20	3.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	26.0	26.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	2.0	7.0	0.0	15.0	2.0	0.0	0.0
22	0.0	20.0	5.0	0.0	0.0	3.0	0.0	3.0	2.0	6.0	3.0	12.0
23	10.0	0.0	4.0	15.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0
24	0.0	0.0	1.0	17.0	7.0	0.0	7.0	0.0	0.0	5.0	0.0	0.0
25	0.0	23.0	0.0	0.0	13.0	0.0	29.0	1.0	12.0	2.0	0.0	7.0
26	13.0	1.0	15.0	5.0	6.0	3.0	0.0	0.0	1.0	22.0	0.0	0.0
27	20.0	0.0	0.0	3.0	0.0	0.0	0.0	10.0	15.0	32.0	0.0	0.0
28	32.0	0.0	0.0	0.0	3.0	0.0	0.0	55.0	23.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	2.0	0.0	3.0	32.0	0.0	7.0	2.0	0.0
30	42.0	0.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0	0.0	3.0	0.0
31	50.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
Total	302.0	227.0	190.0	124.0	141.0	29.0	63.0	102.0	142.0	213.0	135.0	105.0
D. Ll.	15	14	13	10	13	8	5	6	14	19	11	11
TOTALES ANUALES							1773.0				139	Días lluvia

ESTACION: EL TRIANGULO MUNICIPIO: SASAIMA AÑO: 1.989

ALTITUD 1.500 LATITUD: 4-58 N. LONGITUD: 74-26 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	13.0	10.0	0.0	4.0	22.0	0.0	0.0	0.0	0.0	0.0	4.0	50.0
2	36.0	50.0	0.0	4.0	12.0	18.0	0.0	0.0	6.0	8.0	6.0	12.0
3	2.0	38.0	38.0	2.0	7.0	2.0	0.0	0.0	4.0	72.0	82.0	4.0
4	50.0	8.0	0.0	2.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
5	2.0	0.0	2.0	0.0	12.0	0.0	0.0	20.0	8.0	0.0	0.0	0.0
6	0.0	0.0	6.0	0.0	4.0	22.0	0.0	0.0	6.0	0.0	0.0	4.0
7	18.0	3.0	36.0	0.0	2.0	6.0	0.0	0.0	4.0	0.0	0.0	0.0
8	2.0	4.0	12.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0	2.0	0.0
9	0.0	10.0	16.0	0.0	0.0	0.0	0.0	0.0	18.0	23.0	0.0	0.0
10	0.0	68.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
11	6.0	2.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	15.0	12.0
12	0.0	0.0	6.0	18.0	10.0	32.0	0.0	0.0	8.0	2.0	6.0	0.0
13	6.0	4.0	3.0	2.0	4.0	8.0	0.0	0.0	0.0	56.0	0.0	26.0
14	2.0	64.0	70.0	12.0	6.0	0.0	2.0	0.0	0.0	10.0	56.0	0.0
15	0.0	0.0	12.0	2.0	0.0	0.0	2.0	6.0	0.0	2.0	2.0	0.0
16	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	4.0	37.0	0.0
17	0.0	0.0	16.0	42.0	0.0	4.0	0.0	0.0	2.0	26.0	2.0	3.0
18	7.0	18.0	30.0	32.0	4.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0
19	0.0	6.0	12.0	0.0	0.0	2.0	0.0	3.0	4.0	0.0	0.0	0.0
20	0.0	7.0	4.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	12.0	15.0
21	0.0	6.0	14.0	0.0	12.0	12.0	0.0	0.0	6.0	11.0	0.0	2.0
22	0.0	2.0	50.0	0.0	4.0	4.0	0.0	4.0	4.0	36.0	4.0	0.0
23	0.0	20.0	4.0	42.0	0.0	0.0	2.0	2.0	0.0	4.0	2.0	6.0
24	0.0	60.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	50.0	0.0	0.0
25	14.0	0.0	0.0	0.0	0.0	5.0	2.0	0.0	2.0	11.0	0.0	11.0
26	81.0	6.0	92.0	0.0	24.0	0.0	1.0	0.0	13.0	7.0	0.0	4.0
27	6.0	0.0	15.0	22.0	2.0	5.0	0.0	0.0	6.0	36.0	10.0	0.0
28	14.0	0.0	4.0	0.0	5.0	0.0	0.0	6.0	8.0	0.0	1.0	0.0
29	0.0	0.0	0.0	2.0	0.0	2.0	0.0	4.0	0.0	4.0	4.0	10.0
30	0.0	0.0	58.0	0.0	12.0	4.0	5.0	20.0	0.0	10.0	1.0	6.0
31	6.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.0
Total	265.0	388.0	516.0	206.0	165.0	131.0	16.0	65.0	102.0	386.0	252.0	211.0
D. Ll.	16	19	23	14	17	16	7	8	16	21	18	16
TOTALES ANUALES							2701.0				191	Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: ICALI — MUNICIPIO: SASAIMA — AÑO: 1.989

ALTITUD: 1.380 — LATITUD: 4-57 N. — LONGITUD: 74-25 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	12.0	0.0	0.0	40.0	16.0	0.0	8.0	0.0	2.0	0.0	4.5	34.5
2	26.5	41.0	0.0	2.0	3.0	8.0	0.0	0.0	0.0	8.0	5.0	9.5
3	0.0	19.0	7.0	1.0	4.0	0.0	0.0	0.0	4.0	24.0	40.0	2.0
4	68.0	4.5	0.0	2.0	32.0	0.0	0.0	0.0	16.0	6.0	2.0	0.0
5	0.0	0.0	0.0	0.0	2.0	2.0	0.0	9.5	6.0	0.0	0.0	24.5
6	2.0	0.0	9.0	0.0	11.0	50.0	0.0	0.0	3.0	0.0	0.0	24.0
7	4.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	2.0	2.0	5.0
9	0.0	40.0	18.0	0.0	0.0	0.0	0.0	0.0	7.0	9.0	0.0	0.0
10	0.0	43.5	0.0	5.0	6.0	0.0	0.0	0.0	0.0	5.5	8.5	0.0
11	2.0	0.0	11.0	0.0	0.0	3.0	0.0	0.0	0.0	3.0	8.0	5.0
12	4.0	0.0	15.5	25.0	9.0	11.0	0.0	0.0	6.0	15.0	12.0	0.0
13	0.0	1.0	0.0	0.0	3.0	4.0	0.0	0.0	0.0	26.0	0.0	4.0
14	0.0	34.0	46.0	15.0	5.0	0.0	0.0	3.0	0.0	7.0	10.0	0.0
15	0.0	0.0	6.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0
16	2.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	12.5	28.0	6.0
17	3.0	15.5	9.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	4.0	1.0	34.0	40.0	0.0	1.0	1.0	0.0	0.0	2.5	11.0	0.0
19	0.0	17.0	8.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	1.0	3.0	5.0	0.0	0.0	0.0	0.0	14.0	8.0	0.0	4.5	10.0
21	0.0	0.0	1.0	0.0	0.0	19.0	0.0	1.5	2.0	7.5	0.0	0.0
22	0.0	0.0	38.0	4.0	2.0	0.0	3.0	0.0	4.0	10.0	0.0	0.0
23	0.0	5.0	1.0	10.0	0.0	0.0	4.0	1.0	0.0	8.5	1.0	2.0
24	0.0	33.0	0.0	0.0	0.0	5.0	0.0	0.0	2.0	105.0	0.0	2.5
25	6.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	12.0	0.0	4.0
26	41.0	0.0	62.0	10.0	5.0	0.0	0.0	0.0	8.0	6.0	0.0	8.5
27	36.0	0.0	4.0	15.0	2.0	0.0	0.0	0.0	4.5	30.0	0.0	0.0
28	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	14.0	0.0	0.0	0.0
29	10.0	0.0	0.0	0.0	8.0	0.0	0.0	4.5	0.0	5.0	10.0	0.0
30	0.0	0.0	44.0	0.0	0.0	2.0	6.0	10.0	0.0	8.0	0.0	0.0
31	21.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0
Total	245.5	264.5	326.5	196.0	125.0	105.0	22.0	52.0	103.5	312.5	146.5	165.5
D. Ll.	17	14	18	15	16	10	5	9	15	21	14	15
TOTALES ANUALES							2064.5				169	Días lluvia

ESTACION: EL REFUGIO — MUNICIPIO: LA MESA — AÑO: 1.989

ALTITUD 1.250 — LATITUD: 4-39 N. — LONGITUD: 74-28 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	7.0	14.0	0.0	20.0	0.0	0.0	0.0	0.0	6.0	0.0	25.0	0.0
2	0.0	35.0	0.0	15.0	5.0	0.0	0.0	0.0	0.0	12.0	24.0	9.0
3	9.0	15.0	16.0	12.0	25.0	0.0	0.0	0.0	8.0	18.0	7.0	10.0
4	10.0	45.0	50.0	8.0	13.0	0.0	0.0	0.0	16.0	2.0	0.0	0.0
5	0.0	0.0	10.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0
6	2.0	0.0	15.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	22.0	20.0	0.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	5.0	0.0	13.0	0.0	0.0	0.0	0.0	10.0	0.0	8.0
9	8.0	25.0	13.0	0.0	30.0	0.0	0.0	0.0	0.0	2.0	10.0	12.0
10	0.0	0.0	8.0	15.0	20.0	0.0	12.0	0.0	0.0	8.0	4.0	0.0
11	0.0	15.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0
12	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	20.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0
14	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
15	0.0	0.0	10.0	17.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	10.0
16	0.0	0.0	0.0	0.0	0.0	8.0	0.0	12.0	0.0	4.0	15.0	0.0
17	0.0	18.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0
18	0.0	0.0	8.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	6.0	0.0
19	0.0	0.0	12.0	0.0	0.0	9.0	0.0	0.0	62.0	0.0	8.0	0.0
20	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
21	0.0	0.0	13.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
22	0.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	9.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	62.0	0.0	0.0	17.0	0.0	0.0
24	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
25	0.0	0.0	3.0	35.0	11.0	2.0	0.0	0.0	4.0	13.0	0.0	0.0
26	0.0	0.0	0.0	16.0	18.0	0.0	0.0	8.0	20.0	20.0	0.0	0.0
27	0.0	0.0	1.0	0.0	12.0	0.0	0.0	6.0	10.0	14.0	0.0	0.0
28	22.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
29	40.0	0.0	4.0	9.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
30	115.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0
31	8.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	221.0	279.0	229.0	167.0	191.0	30.0	74.0	36.0	154.0	169.0	121.0	68.0
D. Ll.	9	10	21	11	13	4	2	4	10	17	11	7
TOTALES ANUALES							1739.0				119	Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: GUADALUPE — MUNICIPIO: LA MESA — AÑO: 1.989

ALTITUD: 1.340 — LATITUD: 4-38 N. — LONGITUD: 74-28 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1		67.0	0.0	35.0	0.0	0.0	0.0					
2		42.0	0.0	0.0	60.0	0.0	0.0					
3		40.0	0.0	0.0	0.0	0.0	0.0					
4		0.0	0.0	0.0	15.0	0.0	0.0					
5		0.0	20.0	0.0	0.0	0.0	0.0					
6		0.0	15.0	0.0	0.0	0.0	0.0					
7		0.0	0.0	0.0	70.0	0.0	0.0					
8		36.0	35.0	0.0	0.0	0.0	0.0					
9		0.0	40.0	0.0	0.0	0.0	0.0					
10		0.0	50.0	0.0	0.0	0.0	0.0					
11		0.0	0.0	0.0	0.0	0.0	0.0					
12		0.0	40.0	0.0	0.0	15.0	0.0					
13		0.0	30.0	0.0	0.0	0.0	0.0					
14		0.0	10.0	0.0	0.0	0.0	0.0					
15		0.0	15.0	0.0	0.0	0.0	0.0					
16		0.0	19.0	0.0	0.0	0.0	0.0					
17		0.0	20.0	0.0	0.0	0.0	0.0					
18		0.0	0.0	0.0	0.0	0.0	0.0					
19		0.0	30.0	0.0	0.0	0.0	0.0					
20		0.0	20.0	0.0	0.0	0.0	0.0					
21		0.0	15.0	0.0	0.0	0.0	0.0					
22		0.0	20.0	0.0	0.0	0.0	0.0					
23		0.0	0.0	0.0	15.0	0.0	4.0					
24		0.0	20.0	0.0	5.0	0.0	0.0					
25		0.0	0.0	0.0	15.0	0.0	0.0					
26		20.0	15.0	0.0	40.0	0.0	0.0					
27		0.0	0.0	0.0	0.0	0.0	0.0					
28		0.0	10.0	0.0	0.0	0.0	0.0					
29	53.0	0.0	0.0	0.0	0.0	0.0	0.0					
30	10.0	0.0	0.0	0.0	0.0	0.0	0.0					
31	21.0	0.0	20.0	0.0	0.0	0.0	0.0					
Total		205.0	444.0	35.0	220.0	15.0	4.0					
D. Ll.		5	19	1	7	1	1					

TOTALES ANUALES — Días lluvia

ESTACION: LAS GRANJAS — MUNICIPIO: MESITAS COLEGIO — AÑO: 1.989

ALTITUD 1.400 — LATITUD: 4-28 N. — LONGITUD: 74-28 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	11.0	12.0	0.0	0.0	8.0	0.0	5.0	3.0	0.0	0.0	27.0	
2	5.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	30.0	45.0	
3	0.0	33.0	7.0	8.0	15.0	0.0	0.0	0.0	0.0	15.0	5.0	
4	0.0	27.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	10.0	0.0	
5	2.0	14.0	10.0	0.0	0.0	0.0	6.0	0.0	11.0	5.0	0.0	
6	0.0	0.0	0.0	9.0	0.0	8.0	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	0.0	0.0	
8	0.0	0.0	0.0	0.0	8.0	4.0	0.0	0.0	4.0	6.0	11.0	
9	0.0	0.0	0.0	0.0	50.0	0.0	0.0	4.0	3.0	0.0	0.0	
10	0.0	18.0	5.0	0.0	0.0	0.0	0.0	3.0	8.0	0.0	15.0	
11	0.0	0.0	5.0	0.0	5.0	0.0	0.0	0.0	0.0	10.0	0.0	
12	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	
14	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15	0.0	0.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	21.0	
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	2.0	
18	0.0	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	28.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20	0.0	0.0	21.0	0.0	0.0	0.0	5.0	0.0	6.0	0.0	0.0	
21	23.0	0.0	15.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	12.0	
22	0.0	5.0	0.0	0.0	0.0	0.0	4.0	0.0	2.0	0.0	6.0	
23	0.0	0.0	0.0	0.0	0.0	7.0	0.0	10.0	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	7.0	6.0	
25	0.0	0.0	0.0	8.0	8.0	4.0	0.0	0.0	10.0	0.0	0.0	
26	4.0	5.0	0.0	0.0	34.0	6.0	11.0	0.0	0.0	0.0	0.0	
27	2.0	0.0	44.0	0.0	0.0	0.0	0.0	0.0	42.0	20.0	4.0	
28	15.0	0.0	40.0	0.0	24.0	0.0	0.0	40.0	3.0	0.0	0.0	
29	0.0	0.0	0.0	15.0	0.0	3.0	0.0	10.0	0.0	0.0	0.0	
30	85.0	0.0	2.0	0.0	0.0	0.0	4.0	4.0	0.0	0.0	0.0	
31	21.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total	168.0	114.0	273.0	83.0	164.0	50.0	35.0	86.0	92.0	118.0	154.0	
D. Ll.	9	7	15	6	9	8	6	8	10	10	11	

TOTALES ANUALES — Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: EL PORVENIR MUNICIPIO: MESITAS COLEGIO AÑO: 1.989

ALTITUD: 1.350 LATITUD: 4-33 N. LONGITUD: 74-19 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.0	10.9	0.0	25.7	23.3	0.0	0.0	0.0	0.0	0.0	8.5	0.0
2	0.0	19.0	0.0	15.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	9.8	0.0	30.8	16.5
4	13.7	38.7	0.0	0.0	42.3	21.0	0.0	0.0	9.2	18.9	17.6	0.0
5	0.0	34.7	0.0	0.0	0.0	0.0	0.0	8.3	8.1	0.0	12.8	0.0
6	0.0	0.0	0.0	0.0	32.7	0.0	0.0	0.0	15.6	14.8	0.0	21.3
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.9	0.0	12.8	0.0
8	0.0	1.9	47.9	0.0	36.8	0.0	0.0	6.9	18.2	0.0	0.0	0.0
9	0.0	26.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.3	0.0	13.9	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.4	0.0	0.0
12	0.0	0.0	29.8	0.0	0.0	10.0	0.0	1.6	27.1	0.0	0.0	0.0
13	0.0	0.0	48.4	0.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	22.7
14	0.0	9.3	18.6	0.0	0.0	0.0	0.0	0.0	42.2	0.0	0.0	0.0
15	0.0	0.0	24.9	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0
16	0.0	0.0	46.0	0.0	0.0	0.0	0.0	0.0	0.0	26.1	0.0	0.0
17	0.0	0.0	45.6	0.0	0.0	0.0	0.0	0.0	9.5	6.5	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	43.8	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0
20	0.0	0.0	35.8	0.0	0.0	0.0	0.0	0.0	19.3	0.0	0.0	0.0
21	0.0	26.1	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.1	0.0
23	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	26.8	0.0	0.0
24	0.0	43.8	0.0	0.0	0.0	0.0	0.0	0.0	12.6	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	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	4.1	8.4	0.0	16.4	0.0	0.0	0.0
27	0.0	0.0	4.9	0.0	36.5	0.0	3.5	0.0	12.4	38.4	0.0	0.0
28	13.8	0.0	12.0	18.7	0.0	0.0	0.0	18.9	50.3	0.0	0.0	0.0
29	53.7	0.0	0.0	14.3	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	3.2	0.0	0.0	0.0	0.0
31	0.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	14.6
Total	90.2	234.6	362.6	74.5	197.6	51.5	11.9	44.7	286.9	168.4	113.5	75.1
D. Ll.	4	10	12	4	6	5	2	8	15	8	7	4
TOTALES ANUALES							1711.5				85	Días lluvia

ESTACION: PINAR DEL RIO MUNICIPIO: SILVANIA AÑO: 1.989

ALTITUD 1.750 LATITUD: 4-22 N. LONGITUD: 74-21 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	1.0	6.0	0.0	0.0	5.0	1.0	5.0	0.0	0.0	0.0	38.0	1.0
2	2.0	17.0	0.0	10.0	2.0	5.0	5.0	2.0	0.0	4.0	7.0	0.0
3	0.0	36.0	9.0	10.0	0.0	7.0	0.0	0.0	0.0	10.0	32.0	0.0
4	8.0	47.0	6.0	3.0	0.0	0.0	1.0	0.0	3.0	3.0	0.0	5.0
5	0.0	7.0	3.0	0.0	3.0	3.0	6.0	10.0	4.0	3.0	2.0	27.0
6	0.0	0.0	0.0	0.0	2.0	2.0	2.0	0.0	1.0	2.0	0.0	0.0
7	0.0	12.0	12.0	0.0	22.0	0.0	6.0	0.0	3.0	0.0	4.0	0.0
8	0.0	2.0	30.0	0.0	29.0	0.0	17.0	0.0	2.0	2.0	3.0	0.0
9	65.0	2.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	23.0	6.0	0.0
10	3.0	39.0	11.0	0.0	24.0	0.0	0.0	6.0	0.0	10.0	10.0	0.0
11	9.0	2.0	22.0	0.0	4.0	7.0	3.0	0.0	0.0	23.0	26.0	3.0
12	0.0	0.0	8.0	0.0	10.0	10.0	1.0	0.0	4.0	4.0	6.0	0.0
13	15.0	2.0	40.0	0.0	5.0	1.0	0.0	0.0	0.0	10.0	1.0	0.0
14	5.0	1.0	27.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	7.0	5.0	0.0	0.0	0.0	30.0	0.0	5.0	0.0	0.0
16	2.0	0.0	45.0	2.0	0.0	0.0	0.0	0.0	0.0	1.0	5.0	0.0
17	3.0	0.0	1.0	4.0	0.0	1.0	0.0	0.0	16.0	22.0	0.0	0.0
18	0.0	5.0	5.0	6.0	5.0	10.0	0.0	0.0	2.0	5.0	0.0	0.0
19	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0
20	0.0	1.0	10.0	0.0	0.0	3.0	0.0	6.0	37.0	0.0	14.0	0.0
21	2.0	1.0	1.0	3.0	0.0	10.0	5.0	8.0	0.0	28.0	10.0	0.0
22	0.0	4.0	18.0	8.0	3.0	0.0	7.0	5.0	5.0	3.0	55.0	0.0
23	0.0	76.0	2.0	2.0	7.0	17.0	0.0	1.0	0.0	58.0	0.0	0.0
24	0.0	0.0	0.0	8.0	14.0	34.0	3.0	0.0	1.0	0.0	2.0	0.0
25	0.0	7.0	0.0	0.0	16.0	1.0	0.0	0.0	40.0	0.0	1.0	3.0
26	0.0	5.0	2.0	0.0	32.0	4.0	1.0	0.0	0.0	1.0	0.0	0.0
27	3.0	0.0	27.0	1.0	10.0	0.0	0.0	0.0	31.0	57.0	2.0	0.0
28	27.0	0.0	10.0	1.0	18.0	0.0	0.0	1.0	53.0	3.0	0.0	0.0
29	6.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	1.0	3.0
30	0.0	0.0	3.0	35.0	0.0	5.0	0.0	18.0	0.0	1.0	0.0	0.0
31	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	2.0
Total	155.0	274.0	301.0	102.0	215.0	122.0	62.0	87.0	209.0	286.0	225.0	44.0
D. Ll.	15	20	23	15	19	18	13	10	15	24	19	7
TOTALES ANUALES							2082.0				198	Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: LA PRIMAVERA — MUNICIPIO: GIGANTE — AÑO: 1.989

ALTITUD: 1.400 — LATITUD: 2-15 N. — LONGITUD: 75-30 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	27.8	0.0	0.0	1.1	13.9	0.6	5.9	0.0	0.6	0.0	0.0	18.8
2	8.8	25.4	0.0	10.0	8.8	0.0	11.0	0.0	4.5	0.3	62.5	7.6
3	0.4	20.9	0.0	9.9	6.0	26.0	0.0	2.3	0.0	10.2	3.7	0.0
4	2.7	0.0	1.5	7.0	2.0	0.0	0.0	0.0	0.5	0.0	11.2	0.0
5	5.0	0.0	3.2	6.5	4.0	4.0	29.5	1.8	11.4	6.2	2.2	3.4
6	10.5	1.5	6.0	0.6	5.6	1.1	6.9	0.0	0.0	0.5	8.5	4.5
7	4.4	0.0	9.9	0.0	0.0	2.9	0.3	0.0	0.3	0.0	0.0	0.0
8	9.4	1.2	0.7	3.5	0.0	4.4	0.0	0.0	9.0	1.5	0.0	0.0
9	0.0	2.8	0.0	0.0	0.0	8.7	0.0	4.4	0.0	2.9	0.0	0.0
10	0.0	0.5	4.2	0.3	5.1	3.9	0.0	0.0	8.3	13.7	0.0	12.4
11	0.0	0.0	2.8	0.0	18.7	2.0	0.0	0.0	0.2	16.6	0.0	0.7
12	0.0	0.3	21.3	0.0	47.1	11.6	2.0	8.5	0.0	0.5	0.0	59.8
13	0.0	0.0	8.6	0.0	19.7	5.8	3.8	3.8	0.0	3.6	3.4	0.0
14	7.3	0.2	3.3	0.0	1.2	0.2	6.5	6.2	0.0	0.5	5.4	0.0
15	0.0	0.5	2.0	3.3	0.0	2.4	4.4	0.7	11.6	0.7	0.0	0.0
16	0.0	0.5	15.2	0.0	1.5	0.0	0.5	0.0	0.4	5.0	26.1	0.0
17	0.0	0.0	0.0	3.3	0.3	1.5	0.0	2.7	0.4	12.9	1.0	0.0
18	0.7	0.0	2.7	5.7	13.7	5.4	0.0	0.0	0.0	3.6	0.4	0.0
19	0.1	0.2	12.0	0.0	5.2	0.0	0.0	5.2	0.0	0.0	0.1	0.0
20	0.1	0.0	0.8	0.0	0.4	1.9	0.0	0.0	2.5	0.0	0.0	0.0
21	0.7	0.0	2.2	0.0	11.5	4.8	10.6	3.0	1.5	0.0	12.4	0.0
22	1.1	0.0	0.0	0.0	3.5	0.5	8.7	3.5	0.0	0.0	0.5	8.3
23	0.0	19.3	0.0	3.1	1.2	9.6	0.0	4.8	0.0	9.1	9.3	0.0
24	0.0	5.7	0.0	0.0	6.3	3.2	0.4	0.0	0.0	3.1	0.0	13.3
25	0.0	4.9	5.0	0.0	3.2	23.6	1.5	5.0	10.7	10.0	0.0	25.0
26	30.4	5.4	1.7	12.5	0.0	0.5	0.6	0.0	0.8	14.0	0.0	0.0
27	0.2	3.4	2.4	2.3	0.0	0.0	0.0	2.2	0.5	1.4	0.0	0.8
28	4.7	4.2	0.0	2.4	6.2	16.0	0.0	1.7	1.4	0.0	0.0	0.0
29	10.2	0.0	0.0	6.7	0.6	0.0	0.0	0.0	3.3	3.2	0.0	0.0
30	0.5	0.0	0.0	0.0	0.0	0.5	2.5	0.0	4.3	2.2	0.5	25.0
31	0.0	0.0	0.9	0.0	2.3	0.0	0.0	9.4	0.0	0.0	0.0	21.6
Total	125.0	96.9	106.4	78.2	188.0	141.1	55.1	65.2	72.2	121.7	147.2	201.2
D. LI.	19	17	20	16	24	24	16	16	19	22	15	13
TOTALES ANUALES							1438.2				221	Dias lluvia

ESTACION: VILLA CONSUELO — MUNICIPIO: GARZON — AÑO: 1.989

ALTITUD 1.450 — LATITUD: 2-11 N. — LONGITUD: 75-35 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1			9.2	1.0	17.5	2.3	24.0	2.9	0.0	1.0	0.0	11.0
2			0.0	10.0	2.0	1.1	8.1	0.1	0.0	0.0	11.0	1.0
3			0.0	4.5	12.2	79.0	0.0	0.0	0.0	10.0	3.0	0.0
4			1.1	4.1	1.0	3.3	0.0	0.0	17.0	7.0	0.0	0.0
5			3.2	9.2	6.0	3.1	37.0	0.0	7.0	0.0	1.0	4.0
6			26.3	2.0	8.0	1.7	15.0	0.0	0.0	1.0	10.0	0.0
7			29.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8			1.0	2.4	0.0	2.5	0.0	0.0	13.0	0.0	0.0	0.0
9			0.0	0.6	0.0	1.4	0.0	5.0	0.0	6.0	0.0	0.0
10			2.0	0.2	6.2	7.3	0.0	16.0	4.0	3.0	0.0	10.0
11			1.0	0.0	3.3	12.5	0.0	1.0	0.0	20.0	0.0	4.0
12			25.6	0.0	29.3	2.8	2.0	4.0	1.0	0.0	18.0	2.0
13			4.0	0.5	23.6	0.8	0.0	1.0	0.0	5.0	0.0	0.0
14			12.2	0.0	0.0	0.7	3.2	0.0	0.0	7.0	1.0	0.0
15			0.0	5.7	1.8	5.5	2.6	2.0	7.0	1.0	0.0	0.0
16			12.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	9.0	0.0
17			3.5	12.1	2.5	3.3	0.7	0.0	1.0	0.0	12.0	0.0
18			6.7	6.1	1.2	10.7	0.0	4.0	0.0	14.0	2.0	0.0
19			35.0	0.6	4.1	2.0	0.0	2.0	0.0	0.0	0.0	0.0
20			5.5	0.0	3.9	6.8	1.5	0.0	0.0	0.0	0.0	0.0
21			2.0	0.2	1.2	7.2	13.0	5.0	0.0	0.0	19.0	0.0
22			0.0	2.2	1.8	15.0	2.3	12.0	0.0	0.0	4.0	0.0
23			0.8	3.5	13.1	17.3	0.0	7.0	0.0	4.0	12.0	0.0
24			0.0	0.0	1.0	4.0	1.1	0.0	0.0	2.0	0.0	13.0
25			0.0	0.0	4.4	25.5	17.2	0.0	10.0	3.0	0.0	29.0
26			6.0	18.0	0.0	0.6	0.0	2.0	5.0	10.0	0.0	1.0
27			32.2	0.0	4.0	0.0	0.0	0.0	4.0	2.0	0.0	0.0
28			0.0	6.0	6.7	0.0	0.0	1.0	0.0	5.0	0.0	0.0
29			0.0	1.1	2.3	0.0	0.0	0.0	6.0	1.0	2.0	0.0
30			0.0	0.7	0.7	0.0	0.0	2.0	3.0	8.0	0.0	21.0
31			6.0	0.0	1.7	0.0	0.0	11.0	0.0	1.0	0.0	12.0
Total			224.7	90.7	159.5	216.4	128.4	78.0	81.0	111.0	104.0	108.0
D. LI.			21	21	25	24	14	17	13	20	13	11
TOTALES ANUALES												Dias lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: CORRALES — MUNICIPIO: TERUEL — AÑO: 1.989

ALTITUD: 1.450 — LATITUD: 2-43 N. — LONGITUD: 75-33 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.4	0.5	0.0	41.2	1.0	0.0	0.0	0.0	0.0	0.0	1.0	6.0
2	0.5	0.0	0.0	0.0	3.0	58.0	0.0	0.0	0.0	47.0	0.0	1.0
3	30.0	0.3	4.3	24.0	4.5	0.0	0.0	0.0	3.0	1.0	2.0	2.0
4	1.8	11.2	0.0	0.0	7.8	0.0	11.3	0.0	14.0	0.0	6.0	0.0
5	15.0	1.6	2.0	0.0	6.1	0.0	1.7	0.0	49.0	0.0	3.0	0.0
6	6.8	7.6	7.6	0.0	1.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0
7	0.0	20.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	17.0	13.0	0.0
8	0.0	4.3	0.6	5.2	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0
9	0.0	10.9	4.8	4.0	0.0	8.0	0.0	2.0	0.0	9.0	7.0	13.0
10	0.0	8.3	6.0	0.0	0.0	3.0	0.0	0.0	0.0	62.0	2.0	6.0
11	0.5	0.5	2.0	0.0	8.0	0.0	0.0	1.0	0.0	71.0	1.0	2.0
12	0.0	6.4	7.6	0.0	4.3	0.0	0.0	0.0	7.0	0.0	0.0	4.0
13	0.3	5.5	19.4	0.0	0.0	0.0	4.0	1.0	20.0	0.0	0.0	0.0
14	11.2	0.4	0.4	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0
15	0.0	0.5	16.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0
16	0.0	2.0	18.0	18.0	0.0	0.0	0.0	4.0	0.0	0.0	39.0	0.0
17	0.0	6.5	2.8	0.0	12.2	14.3	0.0	0.0	0.0	6.0	1.0	0.0
18	0.0	1.2	28.5	0.0	1.8	0.0	3.1	0.0	0.0	0.0	0.0	0.0
19	0.0	26.0	6.5	4.4	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0
20	0.0	0.4	2.0	0.0	0.5	3.3	0.0	2.0	0.0	0.0	76.0	9.0
21	0.0	7.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
22	0.0	16.3	4.8	0.9	3.0	2.0	0.0	3.0	0.0	8.0	0.0	0.0
23	0.0	15.3	6.8	0.0	3.2	0.0	0.0	0.0	17.0	6.0	0.0	12.0
24	1.4	1.0	0.0	0.0	0.0	3.4	4.0	0.0	18.0	12.0	0.0	2.0
25	18.3	0.3	5.2	6.2	0.0	0.0	23.2	0.0	0.0	11.0	0.0	0.0
26	3.2	0.2	16.5	0.0	0.0	0.0	3.2	0.0	0.0	30.0	0.0	2.0
27	11.3	0.0	1.2	9.3	0.5	0.0	0.0	1.0	0.0	0.0	0.0	3.0
28	16.1	0.0	0.0	1.0	15.4	0.0	0.0	0.0	0.0	0.0	30.0	1.0
29	0.4	0.0	3.0	30.0	0.0	0.0	0.0	17.0	0.0	0.0	0.0	10.0
30	0.5	0.0	1.2	0.0	0.0	5.0	0.0	1.0	0.0	0.0	4.0	0.0
31	0.0	0.0	10.5	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0
Total	117.7	154.2	178.3	144.2	72.3	97.0	53.5	48.0	128.0	281.0	208.0	74.0
D. Ll.	16	25	25	11	15	8	8	11	7	13	16	15

TOTALES ANUALES — 1556.2 — 170 Días lluvia

ESTACION: GUAYABAL — MUNICIPIO: ALGECIRAS — AÑO: 1.989

ALTITUD 1.460 — LATITUD: 2-31 N. — LONGITUD: 75-17 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.0	0.0	0.0	16.7	22.5	12.0	0.0	0.0	11.0	0.0		0.0
2	0.0	0.0	0.0	70.0	16.0	11.2	0.0	0.0	8.0	0.0		0.0
3	0.0	62.5	0.0	10.0	12.0	25.0	18.0	1.0	0.0	26.0		17.7
4	0.0	2.0	0.0	16.7	16.6	0.0	0.0	0.0	10.0	20.0		0.0
5	0.0	1.8	5.0	2.9	6.8	0.0	7.0	0.0	28.0	32.9		7.0
6	0.0	0.0	50.0	0.0	20.0	11.0	9.0	0.0	2.0	48.0		0.0
7	0.0	0.0	15.8	7.7	0.0	2.0	0.0	0.0	0.0	0.0		0.0
8	0.0	7.5	5.0	9.8	0.0	3.0	0.0	0.0	0.0	0.0		0.0
9	0.0	0.0	12.8	16.7	10.0	0.0	0.0	0.0	5.0	18.0		2.0
10	0.0	0.0	14.6	3.7	4.0	11.1	0.0	15.0	0.0	20.0		0.0
11	0.0	0.0	7.0	0.0	6.6	39.1	11.0	9.0	10.0	10.0		11.0
12	0.0	0.0	50.0	0.0	2.4	1.0	2.0	5.3	0.0	1.8		2.0
13	0.0	0.0	17.0	1.0	16.7	0.0	5.0	0.0	0.0	1.0		5.0
14	0.0	4.5	1.0	0.0	6.8	0.0	6.0	3.3	0.0	12.8		6.0
15	0.0	0.0	3.7	10.0	40.0	0.0	7.7	3.9	11.0	2.9		7.7
16	0.0	0.0	63.5	11.5	16.0	0.0	0.0	0.0	0.0	0.0		0.0
17	0.0	1.6	26.0	16.5	20.0	11.0	0.0	1.0	10.0	2.0		0.0
18	0.0	0.0	5.0	1.0	4.0	0.0	0.0	0.0	12.0	0.0		0.0
19	18.0	0.0	30.0	16.7	16.0	0.0	0.0	0.0	10.0	0.0		0.0
20	0.0	19.5	9.8	0.0	30.0	0.0	0.0	16.0	2.5	10.0		0.0
21	0.0	0.0	22.4	16.1	40.0	0.0	0.0	0.0	0.0	12.0		0.0
22	0.0	0.0	4.5	16.6	50.0	0.0	0.0	10.0	10.0	2.0		0.0
23	20.0	12.0	66.8	2.0	11.6	10.0	12.0	6.4	11.0	0.0		0.0
24	0.0	0.0	0.0	0.0	40.0	4.5	11.0	0.0	10.0	12.1		11.0
25	0.0	0.0	0.0	11.0	14.0	34.5	10.0	3.4	12.0	0.0		51.2
26	0.0	7.0	42.3	11.0	12.0	18.5	0.0	1.4	10.1	11.0		40.1
27	0.0	3.0	18.0	40.0	20.0	1.0	0.0	18.0	11.1	6.0		27.0
28	0.0	1.0	0.0	1.0	10.0	10.0	15.0	20.0	11.0	8.0		52.0
29	0.0	0.0	1.0	12.1	22.0	0.0	17.0	3.9	0.0	8.5		3.2
30	0.0	0.0	18.0	3.0	11.0	2.0	0.0	7.0	0.0	10.0		1.0
31	0.0	0.0	65.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0		11.0
Total	38.0	122.4	554.2	323.7	498.0	206.9	130.7	124.6	154.7	275.0		254.9
D. Ll.	2	11	24	24	29	17	13	16	19	21		16

TOTALES ANUALES — Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: EL ALBA — MUNICIPIO: BARAYA — AÑO: 1.989

ALTITUD: 1.480 — LATITUD: 3-09 N. — LONGITUD: 75-04 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	11.0	0.0	0.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
2	0.0	0.0	0.0	8.0	12.0	0.0	0.0	0.0	0.0	12.0	22.0	12.0
3	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	15.0	8.0
4	7.5	0.0	0.0	0.0	8.0	0.0	0.0	0.0	5.0	0.0	40.0	10.0
5	0.0	0.0	0.0	10.0	30.0	0.0	0.0	12.0	4.0	0.0	10.0	10.0
6	9.0	0.0	0.0	0.0	17.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	32.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	25.0	0.0
8	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	13.0	0.0
9	0.0	0.0	16.5	0.0	0.0	0.0	0.0	0.0	4.0	0.0	10.0	0.0
10	0.0	0.0	0.0	0.0	26.5	0.0	0.0	0.0	0.0	8.0	0.0	7.0
11	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	0.0
12	0.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	26.5	8.0	0.0
13	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	3.0	0.0
14	0.0	0.0	30.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	20.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	36.0	0.0	14.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	6.0	0.0	14.0	0.0	8.0	0.0	0.0
18	0.0	0.0	0.0	4.0	25.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	81.0	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	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
21	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	15.0	3.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	12.0	0.0
23	0.0	0.0	30.0	0.0	0.0	20.0	12.0	0.0	22.0	0.0	0.0	0.0
24	0.0	16.0	6.0	0.0	0.0	0.0	40.0	0.0	12.0	20.0	0.0	12.0
25	0.0	0.0	5.0	0.0	8.0	4.0	0.0	0.0	0.0	3.0	0.0	19.0
26	6.0	0.0	0.0	0.0	17.0	0.0	0.0	0.0	10.0	0.0	0.0	8.0
27	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	3.5
28	4.0	0.0	48.0	33.0	10.0	2.0	0.0	0.0	0.0	12.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	8.5	0.0	0.0	12.0	27.0	0.0	0.0	17.0	0.0
31	8.5	0.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0
Total	48.0	16.0	444.5	95.5	167.5	78.0	72.0	53.0	90.0	131.5	210.0	125.5
D. Ll.	7	1	16	6	10	9	4	3	9	12	12	11

TOTALES ANUALES 1531.5 — 100 Días lluvia

ESTACION: SUCRE — MUNICIPIO: TELLO — AÑO: 1.989

ALTITUD 1.550 — LATITUD: 3-04 N. — LONGITUD: 75-09 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	22.0	0.0	3.0	12.0	10.0	11.0	2.0	7.0	9.0	5.0	0.0	0.0
2	18.0	4.0	12.0	13.0	15.0	8.0	3.0	0.0	3.0	10.0	3.0	11.0
3	6.0	6.0	8.0	6.0	8.0	7.0	8.0	0.0	0.0	18.0	11.0	0.0
4	7.0	0.0	6.0	8.0	9.0	6.0	0.0	0.0	0.0	8.0	23.0	0.0
5	11.0	0.0	0.0	0.0	0.0	28.0	0.0	0.0	0.0	0.0	16.0	0.0
6	8.0	0.0	10.0	6.0	0.0	0.0	0.0	0.0	11.0	0.0	11.0	3.0
7	3.0	0.0	3.0	0.0	3.0	0.0	3.0	3.0	14.0	0.0	8.0	1.0
8	0.0	3.0	0.0	0.0	0.0	3.0	0.0	5.0	1.0	3.0	6.0	5.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	1.0	0.0
10	2.0	0.0	21.0	0.0	11.0	0.0	11.0	10.0	0.0	0.0	0.0	0.0
11	0.0	2.0	18.0	8.0	18.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0
12	3.0	0.0	0.0	3.0	22.0	0.0	8.0	0.0	8.0	19.0	0.0	12.0
13	0.0	0.0	30.0	2.0	0.0	0.0	0.0	0.0	5.0	25.0	3.0	8.0
14	0.0	11.0	28.0	6.0	0.0	0.0	0.0	0.0	11.0	11.0	2.0	3.0
15	0.0	22.0	15.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	21.0	0.0
16	0.0	18.0	32.0	0.0	0.0	0.0	3.0	3.0	0.0	0.0	7.0	0.0
17	2.0	32.0	0.0	13.0	0.0	2.0	0.0	0.0	0.0	0.0	18.0	0.0
18	3.0	9.0	30.0	11.0	0.0	0.0	0.0	0.0	0.0	7.0	14.0	0.0
19	0.0	12.0	0.0	8.0	0.0	0.0	6.0	0.0	0.0	5.0	7.0	5.0
20	0.0	8.0	29.0	5.0	1.0	0.0	10.0	0.0	19.0	0.0	0.0	0.0
21	0.0	0.0	40.0	0.0	11.0	0.0	0.0	0.0	22.0	1.0	0.0	0.0
22	0.0	0.0	38.0	0.0	3.0	0.0	0.0	6.0	13.0	3.0	8.0	0.0
23	1.0	0.0	0.0	0.0	8.0	1.0	0.0	3.0	15.0	18.0	1.0	0.0
24	2.0	0.0	0.0	10.0	3.0	0.0	3.0	1.0	8.0	0.0	0.0	0.0
25	3.0	28.0	32.0	2.0	11.0	2.0	5.0	0.0	9.0	22.0	0.0	3.0
26	6.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	14.0	8.0	0.0
27	0.0	0.0	4.0	0.0	0.0	8.0	0.0	0.0	0.0	6.0	15.0	0.0
28	0.0	8.0	5.0	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	3.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	11.0	2.0	0.0	0.0	0.0	3.0	0.0	3.0	0.0
31	3.0	0.0	8.0	0.0	8.0	0.0	1.0	6.0	0.0	0.0	0.0	0.0
Total	100.0	187.0	372.0	124.0	146.0	76.0	80.0	50.0	174.0	175.0	186.0	51.0
D. Ll.	16	14	20	16	17	10	14	10	17	16	20	9

TOTALES ANUALES 1721.0 — 179 Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: MARINGA — MUNICIPIO: ACACIAS — AÑO: 1.989

ALTITUD: 540 — LATITUD: 4-00 N. — LONGITUD: 73-46 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	12.0	0.0	0.0	0.0	0.0	27.0	0.0	3.0	0.0	8.0		0.0
2	5.0	0.0	0.0	7.0	6.0	11.0	0.0	0.0	2.0	45.0		96.0
3	18.0	0.0	0.0	21.0	0.0	3.0	0.0	0.0	0.0	62.0		24.0
4	9.0	0.0	0.0	9.0	0.0	0.0	15.0	23.0	1.0	3.0		8.0
5	0.0	0.0	23.0	0.0	32.0	32.0	18.0	1.0	50.0	0.0		4.0
6	0.0	0.0	0.0	0.0	0.0	51.0	9.0	6.0	0.0	0.0		0.0
7	0.0	0.0	13.0	7.0	0.0	0.0	0.0	0.0	32.0	0.0		0.0
8	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
9	0.0	0.0	0.0	0.0	57.0	27.0	0.0	0.0	48.0	23.0		0.0
10	0.0	0.0	0.0	0.0	0.0	19.0	12.0	13.0	0.0	9.0		0.0
11	0.0	0.0	0.0	4.0	0.0	0.0	3.0	4.0	0.0	16.0		0.0
12	0.0	0.0	0.0	0.0	18.0	12.0	2.0	23.0	0.0	0.0		0.0
13	0.0	0.0	12.0	0.0	10.0	56.0	11.0	0.0	0.0	0.0		0.0
14	0.0	0.0	0.0	0.0	0.0	48.0	8.0	39.0	1.0	0.0		0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.0		0.0
16	0.0	0.0	0.0	0.0	28.0	0.0	0.0	52.0	13.0	0.0		0.0
17	0.0	0.0	0.0	0.0	24.0	0.0	0.0	9.0	0.0	0.0		0.0
18	0.0	0.0	0.0	0.0	7.0	0.0	7.0	4.0	0.0	0.0		0.0
19	9.0	102.0	0.0	0.0	9.0	16.0	22.0	0.0	9.0	0.0		0.0
20	11.0	4.0	12.0	0.0	30.0	47.0	19.0	0.0	18.0	8.0		0.0
21	15.0	0.0	0.0	28.0	13.0	0.0	9.0	0.0	21.0	0.0		0.0
22	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	10.0	0.0		0.0
23	0.0	0.0	0.0	34.0	11.0	8.0	10.0	0.0	8.0	0.0		0.0
24	0.0	32.0	0.0	0.0	36.0	0.0	21.0	0.0	0.0	24.0		0.0
25	0.0	2.5	0.0	36.0	9.0	0.0	11.0	0.0	6.0	0.0		0.0
26	0.0	9.5	0.0	0.0	58.0	0.0	0.0	0.0	12.0	0.0		0.0
27	0.0	0.0	0.0	0.0	18.0	0.0	0.0	15.0	8.0	18.0		0.0
28	0.0	0.0	0.0	23.0	0.0	0.0	0.0	8.0	0.0	0.0		0.0
29	0.0	0.0	0.0	0.0	22.0	11.0	2.0	19.0	0.0	15.0		0.0
30	0.0	0.0	7.0	5.0	14.0	0.0	0.0	0.0	0.0	6.0		0.0
31	0.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0		0.0
Total	79.0	150.0	69.0	174.0	427.0	368.0	179.0	219.0	239.0	273.0		132.0
D. Ll.	7	5	6	10	20	14	16	14	15	13		4

TOTALES ANUALES — Días lluvia

ESTACION: CONC DE DESARROLLO — MUNICIPIO: TIMANA — AÑO: 1.989

ALTITUD 1.080 — LATITUD: 1-59 N. — LONGITUD: 75-56 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	5.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0
2	0.0	0.0	0.0	33.0	0.0	0.0	0.0	0.0	0.0	12.0	2.0	0.0
3	6.0	0.0	0.0	25.0	10.0	17.0	3.0	0.0	0.0	0.0	8.0	0.0
4	0.0	15.0	10.0	12.0	0.0	0.0	8.0	0.0	18.0	0.0	0.0	0.0
5	0.0	5.0	0.0	0.0	0.0	0.0	25.0	0.0	52.0	0.0	14.0	17.0
6	8.5	0.0	9.5	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	2.0	10.0	20.5	5.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0
9	2.0	5.0	15.5	0.0	5.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	5.0	0.0	13.5	8.0	13.0	7.0	0.0
11	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	15.0	15.0	30.0	12.0	0.0	0.0	0.0	8.5	0.0	0.0	0.0	15.5
13	5.0	0.0	10.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0
14	0.0	0.0	0.0	0.0	0.0	8.0	3.0	0.0	0.0	5.0	0.0	0.0
15	5.5	10.0	14.5	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	23.5	0.0	0.0	9.0	0.0	0.0	0.0	0.0	5.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	8.0	19.0	25.0	14.0
18	0.0	0.0	11.0	0.0	15.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	24.0	0.0	18.0	12.0	0.0	4.0	0.0	0.0	0.0	10.0
20	2.0	0.0	18.0	0.0	10.0	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	6.0	6.0	0.0	0.0	0.0	0.0
22	0.0	7.0	0.0	0.0	0.0	11.0	10.0	0.0	0.0	14.0	0.0	15.0
23	0.0	0.0	0.0	0.0	0.0	10.0	0.0	12.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	5.0	6.0	0.0	20.0	6.0	14.5	0.0	3.0	0.0
25	0.0	0.0	0.0	0.0	0.0	12.0	0.0	5.5	4.5	10.0	0.0	0.0
26	0.0	0.0	10.0	0.0	0.0	10.0	5.0	0.0	0.0	0.0	0.0	0.0
27	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	6.0	6.0	5.0	0.0	0.0	0.0	0.0	0.0	26.0
29	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	10.0
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	2.5	0.0	0.0	0.0	0.0
Total	53.0	67.0	201.5	125.0	78.0	107.0	100.0	58.0	125.0	88.0	76.0	147.5
D. Ll.	10	7	13	10	9	12	10	8	7	7	8	8

TOTALES ANUALES — 1226.0 — 109 — Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: QUEBRADANEGRA MUNICIPIO: CALARCA AÑO: 1.989

ALTITUD: 1.500 LATITUD: 4-31 N. LONGITUD: 75-38 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	15.0	5.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	47.0
2	2.0	4.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	6.0	20.0	20.0
3	0.0	21.0	0.0	20.0	0.0	0.0	0.0	0.0	31.0	9.0	2.0	8.0
4	10.0	0.0	12.0	0.0	53.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
5	13.0	5.0	6.0	0.0	12.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
6	7.0	1.0	31.0	0.0	1.0	0.0	0.0	0.0	20.0	0.0	46.0	0.0
7	67.0	3.0	10.0	0.0	31.0	7.0	0.0	0.0	4.0	0.0	19.0	0.0
8	33.0	5.0	0.0	0.0	4.0	5.0	0.0	25.0	0.0	2.0	9.0	0.0
9	0.0	21.0	7.0	0.0	33.0	0.0	0.0	20.0	0.0	0.0	17.0	52.0
10	0.0	14.0	10.0	0.0	6.0	4.0	0.0	0.0	0.0	12.0	5.0	0.0
11	0.0	0.0	23.0	0.0	10.0	2.0	0.0	0.0	0.0	30.0	7.0	0.0
12	0.0	0.0	5.0	0.0	1.0	2.0	0.0	0.0	0.0	10.0	11.0	0.0
13	30.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	1.0	0.0
14	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	10.0	4.0	3.0	0.0
15	0.0	17.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	13.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	4.0	0.0
17	0.0	6.0	5.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	0.0	0.0
18	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	3.0	0.0	17.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	3.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	15.0	0.0
21	0.0	0.0	9.0	10.0	2.0	0.0	54.0	31.0	10.0	0.0	37.0	0.0
22	0.0	0.0	54.0	5.0	0.0	0.0	11.0	0.0	7.0	7.0	8.0	0.0
23	0.0	0.0	10.0	3.0	2.0	19.0	17.0	0.0	13.0	5.0	0.0	0.0
24	1.0	0.0	0.0	10.0	8.0	7.0	8.0	0.0	3.0	0.0	0.0	4.0
25	0.0	0.0	0.0	0.0	3.0	4.0	3.0	3.0	8.0	0.0	0.0	17.0
26	5.0	0.0	11.0	0.0	4.0	0.0	35.0	1.0	0.0	5.0	0.0	30.0
27	1.0	0.0	30.0	0.0	20.0	0.0	0.0	4.0	6.0	0.0	0.0	23.0
28	9.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	20.0	10.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	5.0	0.0	0.0
30	0.0	0.0	0.0	65.0	0.0	0.0	0.0	7.0	0.0	17.0	3.0	0.0
31	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.0	0.0	0.0
Total	209.0	102.0	291.0	113.0	240.0	60.0	159.0	106.0	155.0	236.0	220.0	201.0
D. Ll.	14	11	20	6	16	5	9	8	13	18	17	8
TOTALES ANUALES							2092.0				149	Días lluvia

ESTACION: EL JARDIN MUNICIPIO: CALARCA AÑO: 1.989

ALTITUD 1.300 LATITUD: 4-27 N. LONGITUD: 75-42 W

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	21.0	0.0	0.0	1.0	45.0	29.0	0.0	0.0	0.0	2.0	15.0	13.0
2	6.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	0.0	10.0	5.0
3	5.0	41.0	0.0	0.0	10.0	1.0	0.0	0.0	55.0	19.0	24.0	5.0
4	9.0	0.0	57.0	4.0	2.0	0.0	0.0	0.0	1.0	5.0	19.0	4.0
5	0.0	0.0	10.0	0.0	42.0	0.0	0.0	0.0	13.0	0.0	2.0	3.0
6	0.0	2.0	0.0	0.0	2.0	11.0	0.0	0.0	0.0	0.0	17.0	0.0
7	42.0	0.0	2.0	0.0	12.0	2.0	0.0	0.0	0.0	0.0	20.0	0.0
8	27.0	1.0	2.0	0.0	9.0	3.0	0.0	10.0	0.0	0.0	0.0	0.0
9	4.0	29.0	0.0	1.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	26.0
10	7.0	1.0	4.0	0.0	11.0	4.0	0.0	0.0	0.0	16.0	41.0	0.0
11	0.0	11.0	4.0	0.0	0.0	0.0	0.0	0.0	3.0	17.0	0.0	0.0
12	0.0	15.0	30.0	0.0	18.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0
13	23.0	0.0	21.0	11.0	0.0	31.0	0.0	0.0	1.0	0.0	0.0	0.0
14	0.0	60.0	3.0	10.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
15	7.0	2.0	31.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	1.0	0.0
16	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0
17	20.0	11.0	10.0	0.0	0.0	2.0	0.0	0.0	13.0	4.0	1.0	0.0
18	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	7.0	5.0	0.0	0.0
19	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
20	0.0	0.0	5.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	91.0	0.0
21	20.0	0.0	0.0	16.0	0.0	1.0	2.0	46.0	20.0	0.0	12.0	0.0
22	9.0	2.0	10.0	0.0	0.0	20.0	0.0	0.0	4.0	0.0	0.0	0.0
23	0.0	3.0	43.0	0.0	0.0	2.0	1.0	0.0	0.0	4.0	0.0	18.0
24	0.0	0.0	0.0	17.0	2.0	4.0	30.0	0.0	0.0	10.0	0.0	2.0
25	0.0	10.0	0.0	0.0	4.0	1.0	12.0	2.0	0.0	1.0	0.0	27.0
26	5.0	0.0	0.0	21.0	15.0	7.0	2.0	1.0	0.0	0.0	0.0	25.0
27	7.0	0.0	0.0	101.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	5.0
28	10.0	0.0	3.0	6.0	2.0	0.0	0.0	25.0	32.0	2.0	3.0	16.0
29	7.0	0.0	0.0	15.0	0.0	0.0	0.0	28.0	0.0	7.0	23.0	0.0
30	5.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	22.0	10.0	2.0
31	8.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	59.0	0.0	3.0
Total	244.0	191.0	237.0	203.0	179.0	121.0	56.0	122.0	152.0	181.0	308.0	154.0
D. Ll.	20	15	17	11	16	16	6	8	13	17	16	14
TOTALES ANUALES							2148.0				169	Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: TUCUMAN MUNICIPIO: ARMENIA AÑO: 1.989

ALTITUD: 1.250 LATITUD: 4-32 N. LONGITUD: 75-44 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	55.0	0.0	0.0	0.0	38.0	22.0	0.0	0.0	0.0	5.0	14.0	52.0
2	0.0	2.0	16.0	0.0	0.0	2.0	0.0	0.0	14.0	18.0	37.0	0.0
3	29.0	6.0	3.0	27.0	0.0	0.0	0.0	0.0	50.0	5.0	0.0	0.0
4	8.0	0.0	36.0	4.0	0.0	0.0	0.0	0.0	41.0	6.0	0.0	0.0
5	0.0	0.0	3.0	0.0	9.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	5.0	2.0	0.0	7.0	16.0	0.0	0.0	4.0	0.0	14.0	0.0
7	10.0	0.0	12.0	16.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	3.0	0.0	0.0	0.0	4.0	3.0	14.0	0.0	30.0	4.0	0.0	0.0
9	8.0	10.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.0
10	10.0	29.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	51.0	29.0	0.0
11	0.0	5.0	42.0	0.0	0.0	53.0	0.0	0.0	27.0	5.0	0.0	3.0
12	0.0	0.0	3.0	0.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	11.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0
14	0.0	18.0	10.0	2.0	0.0	10.0	0.0	0.0	0.0	24.0	0.0	0.0
15	10.0	0.0	18.0	3.0	9.0	0.0	0.0	0.0	0.0	12.0	14.0	0.0
16	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	32.0	0.0
17	0.0	3.0	0.0	0.0	0.0	30.0	0.0	0.0	12.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	15.0	0.0	11.0	0.0	8.0	0.0	0.0
19	7.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
20	4.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	14.0	3.0	18.0	0.0
21	10.0	0.0	0.0	7.0	0.0	1.0	4.0	12.0	52.0	20.0	0.0	0.0
22	5.0	5.0	0.0	0.0	0.0	67.0	0.0	0.0	10.0	32.0	0.0	0.0
23	6.0	2.0	0.0	2.0	2.0	11.0	5.0	0.0	0.0	4.0	0.0	0.0
24	0.0	0.0	0.0	0.0	6.0	7.0	16.0	0.0	0.0	0.0	0.0	10.0
25	0.0	11.0	0.0	0.0	0.0	0.0	12.0	13.0	30.0	13.0	0.0	12.0
26	38.0	21.0	0.0	11.0	0.0	0.0	5.0	12.0	0.0	0.0	0.0	0.0
27	13.0	0.0	8.0	10.0	0.0	0.0	0.0	6.0	5.0	0.0	4.0	0.0
28	0.0	0.0	2.0	0.0	5.0	0.0	0.0	11.0	0.0	0.0	0.0	15.0
29	3.0	0.0	0.0	46.0	0.0	8.0	7.0	52.0	10.0	4.0	0.0	0.0
30	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	52.0	34.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0	0.0	0.0
Total	254.0	117.0	167.0	130.0	131.0	254.0	68.0	117.0	305.0	328.0	196.0	138.0
D. LI.	19	12	13	11	11	15	8	7	14	20	9	6
TOTALES ANUALES							2205.0				145	Días lluvia

ESTACION: EL PARAISO MUNICIPIO: CALARCA AÑO: 1.989

ALTITUD 1.400 LATITUD: 4-30 N. LONGITUD: 75-42 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	20.0	0.0	0.0	0.0	54.0	35.0	0.0	0.0	0.0	3.0	10.0	12.0
2	6.0	2.0	0.0	0.0	2.0	1.0	0.0	0.0	0.0	16.0	17.0	0.0
3	8.0	4.0	0.0	0.0	8.0	0.0	0.0	0.0	59.0	0.0	38.0	19.0
4	10.0	1.0	58.0	6.0	4.0	0.0	0.0	0.0	4.0	13.0	22.0	4.0
5	0.0	0.0	3.0	0.0	36.0	0.0	0.0	0.0	14.0	0.0	2.0	3.0
6	5.0	6.0	6.0	0.0	7.0	8.0	0.0	0.0	2.0	5.0	16.0	0.0
7	35.0	0.0	0.0	0.0	12.0	3.0	0.0	0.0	0.0	0.0	22.0	0.0
8	15.0	3.0	2.0	0.0	9.0	4.0	0.0	9.0	0.0	0.0	0.0	0.0
9	5.0	18.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	28.0
10	6.0	24.0	2.0	0.0	14.0	0.0	0.0	0.0	0.0	14.0	46.0	0.0
11	0.0	11.0	5.0	0.0	0.0	1.0	0.0	0.0	12.0	15.0	0.0	0.0
12	0.0	17.0	0.0	0.0	18.0	2.0	0.0	0.0	0.0	1.0	0.0	0.0
13	23.0	0.0	40.0	8.0	1.0	30.0	0.0	0.0	1.0	12.0	0.0	0.0
14	0.0	50.0	17.0	9.0	0.0	0.0	0.0	0.0	2.0	4.0	0.0	0.0
15	7.0	2.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
16	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0
17	21.0	3.0	7.0	0.0	0.0	3.0	0.0	0.0	20.0	5.0	0.0	0.0
18	0.0	2.0	0.0	0.0	0.0	4.0	0.0	0.0	7.0	7.0	0.0	0.0
19	12.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	10.0	0.0	0.0	0.0	15.0	0.0	3.0	0.0	68.0	0.0
21	18.0	0.0	0.0	23.0	0.0	0.0	4.0	25.0	19.0	0.0	12.0	0.0
22	17.0	3.0	10.0	0.0	1.0	13.0	0.0	10.0	5.0	5.0	1.0	0.0
23	0.0	4.0	38.0	0.0	0.0	3.0	2.0	2.0	0.0	0.0	0.0	20.0
24	0.0	0.0	1.0	12.0	4.0	7.0	27.0	0.0	0.0	2.0	0.0	0.0
25	0.0	10.0	0.0	0.0	5.0	0.0	12.0	4.0	17.0	4.0	0.0	10.0
26	2.0	3.0	0.0	0.0	13.0	0.0	4.0	2.0	3.0	1.0	0.0	32.0
27	3.0	0.0	13.0	68.0	2.0	0.0	0.0	0.0	1.0	0.0	0.0	12.0
28	7.0	0.0	14.0	8.0	0.0	0.0	0.0	17.0	38.0	0.0	3.0	10.0
29	11.0	0.0	0.0	10.0	0.0	0.0	3.0	35.0	0.0	11.0	35.0	0.0
30	4.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	21.0	8.0	0.0
31	5.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	55.0	0.0	0.0
Total	241.0	163.0	250.0	144.0	194.0	114.0	67.0	113.0	207.0	194.0	317.0	150.0
D. LI.	22	17	17	8	18	13	7	10	16	18	16	10
TOTALES ANUALES							2154.0				172	Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: LA JULIA — MUNICIPIO: MONTENEGRO — AÑO: 1.989

ALTITUD: 1.320 — LATITUD: 4-34 N. — LONGITUD: 75-45 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	39.0	0.0	0.0	1.0	73.0	19.0	0.0	0.0	0.0	0.0	6.0	41.0
2	0.0	3.0	20.0	30.0	0.0	14.0	0.0	0.0	26.0	5.0	0.0	0.0
3	12.0	6.0	4.0	1.0	3.0	1.0	0.0	0.0	39.0	0.0	0.0	2.0
4	6.0	0.0	75.0	4.0	4.0	0.0	0.0	0.0	23.0	10.0	9.0	3.0
5	0.0	0.0	1.0	0.0	2.0	14.0	7.0	0.0	7.0	0.0	0.0	0.0
6	0.0	9.0	59.0	0.0	4.0	16.0	0.0	0.0	0.0	2.0	12.0	1.0
7	25.0	0.0	0.0	15.0	11.0	1.0	0.0	0.0	0.0	0.0	3.0	0.0
8	6.0	0.0	15.0	0.0	5.0	1.0	0.0	0.0	4.0	20.0	0.0	0.0
9	5.0	12.0	2.0	7.0	0.0	5.0	0.0	5.0	0.0	0.0	0.0	83.0
10	9.0	26.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	42.0	27.0	0.0
11	0.0	9.0	24.0	0.0	0.0	20.0	0.0	0.0	18.0	12.0	0.0	0.0
12	0.0	0.0	0.0	0.0	41.0	5.0	0.0	0.0	0.0	0.0	0.0	1.0
13	7.0	1.0	20.0	0.0	2.0	2.0	0.0	0.0	0.0	14.0	2.0	0.0
14	0.0	36.0	11.0	3.0	0.0	20.0	0.0	1.0	0.0	6.0	0.0	0.0
15	2.0	0.0	20.0	1.0	19.0	0.0	0.0	0.0	0.0	22.0	2.0	0.0
16	6.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	2.0	23.0	0.0
17	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	19.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	18.0	14.0	0.0	0.0	2.0	5.0	0.0	0.0
19	26.0	0.0	0.0	0.0	0.0	0.0	6.0	7.0	0.0	0.0	0.0	0.0
20	22.0	0.0	9.0	0.0	0.0	0.0	1.0	1.0	23.0	0.0	8.0	0.0
21	5.0	0.0	0.0	0.0	0.0	1.0	4.0	9.0	7.0	9.0	3.0	4.0
22	6.0	3.0	0.0	0.0	0.0	9.0	2.0	0.0	4.0	15.0	0.0	0.0
23	17.0	35.0	0.0	4.0	2.0	7.0	18.0	0.0	0.0	12.0	0.0	0.0
24	0.0	5.0	0.0	2.0	1.0	6.0	14.0	0.0	0.0	0.0	0.0	9.0
25	0.0	19.0	0.0	0.0	5.0	3.0	9.0	16.0	8.0	6.0	0.0	4.0
26	9.0	14.0	0.0	5.0	1.0	4.0	2.0	0.0	2.0	0.0	0.0	3.0
27	22.0	5.0	10.0	25.0	0.0	0.0	0.0	0.0	0.0	21.0	0.0	2.0
28	3.0	0.0	11.0	0.0	2.0	0.0	0.0	4.0	21.0	0.0	0.0	11.0
29	2.0	0.0	0.0	30.0	0.0	7.0	1.0	40.0	0.0	8.0	18.0	0.0
30	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	69.0	12.0	0.0
31	0.0	0.0	0.0	0.0	16.0	0.0	2.0	0.0	0.0	15.0	0.0	0.0
Total	235.0	184.0	281.0	128.0	218.0	170.0	66.0	83.0	211.0	295.0	125.0	164.0
D. Ll.	20	15	14	13	19	21	11	8	15	19	12	12
TOTALES ANUALES							2160.0				179	Días lluvia

ESTACION: LA PRADERA — MUNICIPIO: ARMENIA — AÑO: 1.989

ALTITUD 1.350 — LATITUD: 4-28 N. — LONGITUD: 75-43 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	23.0	0.0	0.0	0.0	43.0	42.0	0.0	0.0	0.0	0.0	0.0	25.0
2	0.0	0.0	0.0	0.0	0.0	19.0	0.0	0.0	0.0	12.0	0.0	6.0
3	27.0	22.0	0.0	0.0	18.0	0.0	0.0	0.0	48.0	5.0	30.0	8.0
4	23.0	0.0	38.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	8.0	0.0
5	0.0	0.0	0.0	0.0	12.0	0.0	1.0	0.0	10.0	0.0	0.0	20.0
6	0.0	2.0	0.0	0.0	3.0	10.0	0.0	0.0	0.0	2.0	10.0	0.0
7	38.0	4.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0
8	2.0	22.0	25.0	0.0	13.0	0.0	17.0	0.0	0.0	3.0	0.0	0.0
9	15.0	5.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	10.0
10	3.0	13.0	8.0	0.0	4.0	3.0	0.0	0.0	0.0	30.0	58.0	0.0
11	0.0	4.0	0.0	0.0	0.0	18.0	0.0	0.0	8.0	8.0	0.0	3.0
12	0.0	5.0	16.0	0.0	40.0	3.0	0.0	0.0	0.0	1.0	0.0	0.0
13	13.0	2.0	13.0	12.0	0.0	15.0	0.0	0.0	0.0	18.0	0.0	0.0
14	0.0	10.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	13.0	38.0	0.0	0.0	0.0	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	0.0	32.0	0.0
17	0.0	0.0	0.0	0.0	0.0	35.0	0.0	0.0	3.0	0.0	3.0	0.0
18	0.0	3.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	5.0	0.0	0.0
19	12.0	0.0	0.0	0.0	0.0	0.0	2.0	1.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	38.0	0.0
21	0.0	0.0	0.0	3.0	0.0	8.0	0.0	48.0	20.0	0.0	3.0	0.0
22	15.0	5.0	0.0	0.0	0.0	4.0	3.0	0.0	8.0	22.0	0.0	0.0
23	0.0	2.0	3.0	0.0	0.0	2.0	2.0	0.0	0.0	18.0	0.0	0.0
24	0.0	0.0	0.0	10.0	3.0	5.0	28.0	0.0	0.0	0.0	0.0	0.0
25	0.0	28.0	0.0	3.0	8.0	2.0	13.0	0.0	2.0	0.0	0.0	32.0
26	13.0	5.0	2.0	18.0	0.0	30.0	1.0	0.0	0.0	0.0	0.0	10.0
27	0.0	0.0	20.0	56.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0
28	2.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	3.0	20.0	15.0	13.0
29	8.0	0.0	0.0	28.0	0.0	0.0	3.0	18.0	0.0	3.0	15.0	5.0
30	0.0	0.0	0.0	0.0	0.0	2.0	0.0	3.0	0.0	38.0	0.0	0.0
31	0.0	0.0	0.0	0.0	3.0	0.0	5.0	0.0	0.0	43.0	0.0	0.0
Total	194.0	145.0	163.0	130.0	156.0	204.0	90.0	82.0	102.0	236.0	217.0	134.0
D. Ll.	13	16	9	7	11	17	11	6	8	18	11	11
TOTALES ANUALES							1853.0				138	Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: LA ILUSION MUNICIPIO: CIRCASIA AÑO: 1.989

ALTITUD: 1.500 LATITUD: 4-36 N. LONGITUD: 75-39 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	20.0
2	3.0	1.0	30.0	8.0	0.0	0.0	0.0	0.0	23.0	6.0	0.0	0.0
3	20.0	6.0	6.0	3.0	0.0	0.0	0.0	0.0	30.0	1.0	17.0	13.0
4	5.0	0.0	0.0	17.0	28.0	30.0	5.0	0.0	0.0	29.0	10.0	21.0
5	0.0	0.0	0.0	0.0	30.0	0.0	1.0	1.0	20.0	10.0	0.0	0.0
6	0.0	7.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0
7	7.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	1.0	0.0	2.0	6.0
8	12.0	5.0	10.0	5.0	30.0	20.0	2.0	0.0	0.0	0.0	0.0	0.0
9	5.0	3.0	3.0	0.0	18.0	1.0	0.0	11.0	0.0	0.0	0.0	50.0
10	23.0	9.0	19.0	0.0	4.0	20.0	0.0	0.0	0.0	84.0	15.0	20.0
11	0.0	0.0	25.0	0.0	31.0	7.0	0.0	0.0	8.0	10.0	1.0	1.0
12	7.0	0.0	34.0	0.0	8.0	8.0	0.0	0.0	1.0	1.0	0.0	18.0
13	0.0	0.0	41.0	3.0	0.0	6.0	0.0	0.0	0.0	15.0	5.0	0.0
14	10.0	30.0	30.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	10.0	0.0
15	3.0	7.0	5.0	19.0	11.0	0.0	0.0	0.0	0.0	13.0	0.0	0.0
16	19.0	0.0	0.0	6.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0
17	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	1.0	5.0	40.0	0.0
18	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	21.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	6.0	20.0	5.0	0.0	2.0	0.0	0.0
20	7.0	12.0	0.0	0.0	0.0	0.0	4.0	13.0	11.0	0.0	12.0	0.0
21	3.0	40.0	0.0	0.0	0.0	5.0	1.0	10.0	38.0	0.0	1.0	10.0
22	20.0	9.0	0.0	0.0	0.0	1.0	2.0	0.0	1.0	19.0	0.0	0.0
23	2.0	0.0	0.0	13.0	0.0	10.0	16.0	0.0	0.0	18.0	0.0	0.0
24	10.0	27.0	0.0	6.0	3.0	5.0	21.0	6.0	0.0	7.0	10.0	10.0
25	0.0	8.0	0.0	40.0	7.0	10.0	25.0	15.0	9.0	36.0	0.0	0.0
26	21.0	0.0	0.0	30.0	3.0	9.0	1.0	0.0	0.0	0.0	0.0	35.0
27	12.0	0.0	0.0	27.0	1.0	1.0	0.0	0.0	1.0	15.0	0.0	2.0
28	3.0	0.0	30.0	0.0	0.0	0.0	0.0	30.0	25.0	0.0	0.0	0.0
29	0.0	0.0	0.0	20.0	0.0	0.0	3.0	39.0	0.0	13.0	17.0	0.0
30	0.0	0.0	0.0	10.0	0.0	1.0	0.0	1.0	3.0	0.0	27.0	0.0
31	0.0	0.0	13.0	0.0	14.0	0.0	5.0	0.0	0.0	40.0	0.0	20.0
Total	232.0	164.0	250.0	207.0	219.0	160.0	106.0	132.0	193.0	325.0	186.0	226.0
D. LL.	20	13	12	14	15	19	13	11	15	19	15	13

TOTALES ANUALES 2400.0 179 Días lluvia

ESTACION: MUNICIPIO: AÑO:

ALTITUD: SORRENTO 1.290 LATITUD: MONTENEGRO 4-32 N. LONGITUD: 1.989 75-51 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	75.0	0.0	0.0	28.0	16.0	0.0	0.0	0.0	0.0	15.0	20.0	
2	12.0	0.0	3.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	
3	0.0	5.0	0.0	1.0	1.0	0.0	0.0	0.0	47.0	3.0	0.0	
4	13.0	10.0	55.0	2.0	3.0	0.0	0.0	0.0	39.0	6.0	0.0	
5	0.0	0.0	0.0	0.0	10.0	0.0	2.0	0.0	0.0	0.0	20.0	
6	1.0	6.0	15.0	0.0	8.0	4.0	0.0	0.0	0.0	0.0	0.0	
7	21.0	0.0	20.0	4.0	10.0	0.0	0.0	0.0	3.0	0.0	0.0	
8	0.0	1.0	8.0	3.0	5.0	4.0	3.0	0.0	0.0	0.0	0.0	
9	2.0	10.0	5.0	17.0	0.0	0.0	0.0	13.0	3.0	7.0	1.0	
10	0.0	48.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	42.0	6.0	
11	0.0	0.0	15.0	9.0	0.0	20.0	0.0	0.0	15.0	20.0	0.0	
12	0.0	0.0	12.0	0.0	7.0	7.0	0.0	0.0	4.0	0.0	0.0	
13	15.0	0.0	30.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	
14	0.0	26.0	10.0	2.0	16.0	10.0	0.0	0.0	11.0	60.0	0.0	
15	0.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	
16	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	0.0	20.0	
17	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	1.0	4.0	
18	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	23.0	0.0	0.0	
19	0.0	0.0	0.0	0.0	0.0	0.0	13.0	20.0	7.0	1.0	3.0	
20	30.0	0.0	0.0	0.0	0.0	8.0	6.0	13.0	0.0	4.0	4.0	
21	1.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	25.0	0.0	0.0	
22	0.0	4.0	0.0	7.0	0.0	16.0	1.0	0.0	15.0	3.0	0.0	
23	0.0	10.0	0.0	4.0	0.0	0.0	0.0	24.0	0.0	41.0	0.0	
24	0.0	0.0	0.0	0.0	0.0	4.0	3.0	0.0	10.0	0.0	11.0	
25	0.0	15.0	0.0	40.0	4.0	0.0	15.0	5.0	21.0	1.0	4.0	
26	3.0	0.0	0.0	1.0	0.0	6.0	0.0	10.0	0.0	11.0	3.0	
27	0.0	10.0	1.0	10.0	0.0	0.0	2.0	30.0	0.0	0.0	2.0	
28	0.0	3.0	0.0	8.0	0.0	0.0	0.0	8.0	11.0	0.0	0.0	
29	0.0	0.0	0.0	15.0	0.0	3.0	11.0	17.0	0.0	0.0	0.0	
30	42.0	0.0	3.0	53.0	0.0	12.0	14.0	0.0	0.0	31.0	0.0	
31	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total	215.0	150.0	195.0	195.0	122.0	124.0	70.0	140.0	254.0	246.0	98.0	
D. LL.	11	13	13	15	14	14	10	9	16	15	12	

TOTALES ANUALES Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: LA ARGENTINA MUNICIPIO: LA TEBAIDA AÑO: 1.989

ALTITUD: 1.200 LATITUD: 4-26 N. LONGITUD: 75-46 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	41.0	5.0	0.0	12.0	19.0	34.0	0.0	0.0	2.0	0.0	10.0	2.0
2	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	6.0	16.0
3	5.0	14.0	2.0	0.0	21.0	12.0	0.0	0.0	50.0	2.0	9.0	0.0
4	44.0	5.0	16.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0	10.0	5.0
5	0.0	0.0	1.0	0.0	39.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0
6	0.0	4.0	0.0	0.0	2.0	20.0	0.0	0.0	0.0	0.0	15.0	0.0
7	22.0	0.0	0.0	0.0	5.0	15.0	0.0	0.0	0.0	0.0	2.0	0.0
8	0.0	5.0	25.0	0.0	2.0	3.0	0.0	0.0	0.0	5.0	0.0	0.0
9	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
10	16.0	24.0	0.0	0.0	0.0	1.0	0.0	0.0	38.0	29.0	41.0	0.0
11	0.0	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
12	0.0	0.0	2.0	0.0	13.0	7.0	0.0	15.0	4.0	0.0	0.0	0.0
13	3.0	0.0	0.0	1.0	0.0	2.0	0.0	0.0	0.0	22.0	0.0	22.0
14	0.0	12.0	76.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
15	30.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	2.0	0.0	0.0
16	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
17	2.0	12.0	0.0	0.0	0.0	14.0	1.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	1.0	0.0	10.0	2.0	0.0	0.0	0.0
19	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0
20	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	29.0	0.0
21	0.0	0.0	0.0	0.0	0.0	2.0	1.0	3.0	52.0	3.0	0.0	0.0
22	7.0	12.0	0.0	0.0	0.0	80.0	0.0	0.0	11.0	9.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	9.0	0.0	7.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	4.0	0.0	0.0	32.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	8.0	14.0	35.0	1.0	8.0	0.0	0.0	0.0
26	23.0	25.0	0.0	25.0	0.0	0.0	1.0	2.0	1.0	0.0	0.0	40.0
27	0.0	0.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
28	0.0	0.0	0.0	53.0	8.0	0.0	0.0	27.0	3.0	0.0	1.0	0.0
29	20.0	0.0	0.0	0.0	0.0	0.0	0.0	31.0	0.0	0.0	0.0	0.0
30	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0
31	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	46.0	0.0	6.0
Total	219.0	124.0	157.0	95.0	137.0	215.0	70.0	100.0	176.0	193.0	123.0	112.0
D. Ll.	14	13	9	5	11	15	5	10	12	13	9	8
TOTALES ANUALES							1721.0				124	Días lluvia

ESTACION: LA MIRANDA MUNICIPIO: LA TEBAIDA AÑO: 1.989

ALTITUD 1.220 LATITUD: 4-26 N. LONGITUD: 75-50 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	4.0	2.0	0.0	0.0	40.0	10.0	0.0	0.0	0.0	0.0	1.0	0.0
2	1.0	4.0	0.0	32.0	0.0	5.0	0.0	0.0	0.0	4.0	5.0	2.0
3	0.0	10.0	35.0	0.0	1.0	0.0	0.0	0.0	56.0	8.0	78.0	0.0
4	0.0	1.0	3.0	0.0	1.0	0.0	0.0	0.0	35.0	1.0	2.0	3.0
5	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	4.0
6	0.0	0.0	0.0	0.0	15.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0
7	3.0	1.0	0.0	0.0	3.0	1.0	3.0	0.0	1.0	0.0	0.0	0.0
8	10.0	0.0	15.0	4.0	25.0	2.0	0.0	0.0	0.0	10.0	8.0	0.0
9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.0	12.0	0.0
10	2.0	35.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	45.0
11	0.0	0.0	1.0	0.0	0.0	2.0	0.0	0.0	44.0	43.0	1.0	0.0
12	0.0	11.0	1.0	0.0	30.0	5.0	0.0	0.0	1.0	9.0	0.0	0.0
13	0.0	0.0	30.0	24.0	5.0	0.0	0.0	12.0	0.0	6.0	0.0	0.0
14	1.0	35.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0	0.0	0.0
16	3.0	1.0	2.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	56.0	0.0
17	1.0	0.0	0.0	0.0	0.0	39.0	0.0	0.0	2.0	1.0	1.0	0.0
18	0.0	0.0	1.0	0.0	0.0	10.0	2.0	0.0	3.0	2.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	1.0	3.0	8.0	1.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	2.0	1.0	32.0	17.0	35.0	16.0	4.0
22	0.0	1.0	0.0	1.0	0.0	34.0	0.0	52.0	2.0	3.0	0.0	0.0
23	0.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	2.0
24	0.0	3.0	0.0	1.0	3.0	3.0	14.0	0.0	1.0	4.0	0.0	3.0
25	30.0	35.0	0.0	0.0	0.0	1.0	28.0	0.0	4.0	1.0	0.0	1.0
26	7.0	3.0	0.0	0.0	0.0	11.0	0.0	3.0	0.0	26.0	0.0	4.0
27	2.0	0.0	0.0	2.0	0.0	0.0	0.0	49.0	1.0	5.0	0.0	0.0
28	0.0	0.0	23.0	0.0	4.0	0.0	0.0	0.0	35.0	0.0	0.0	0.0
29	0.0	0.0	0.0	44.0	0.0	2.0	0.0	0.0	0.0	33.0	1.0	0.0
30	0.0	0.0	0.0	0.0	0.0	1.0	0.0	12.0	0.0	36.0	3.0	0.0
31	0.0	0.0	0.0	0.0	35.0	0.0	0.0	0.0	0.0	26.0	0.0	0.0
Total	65.0	143.0	126.0	110.0	167.0	148.0	52.0	168.0	204.0	332.0	187.0	68.0
D. Ll.	12	14	12	8	12	17	7	7	15	23	13	9
TOTALES ANUALES							1770.0				149	Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: MONACO — MUNICIPIO: CORDOBA — AÑO: 1.989

ALTITUD: 1.300 — LATITUD: 4-24 N. — LONGITUD: 75-40 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	9.0	0.0	0.0	1.0	55.0	4.0	0.0	0.0	14.0	0.0	0.0	25.0
2	0.0	54.0	0.0	3.0	4.0	1.0	0.0	1.0	0.0	1.0	15.0	3.0
3	2.0	39.0	0.0	16.0	5.0	0.0	0.0	0.0	0.0	4.0	1.0	2.0
4	10.0	0.0	1.0	1.0	8.0	0.0	0.0	1.0	13.0	0.0	2.0	1.0
5	2.0	0.0	0.0	0.0	6.0	4.0	3.0	0.0	2.0	3.0	4.0	34.0
6	1.0	1.0	2.0	1.0	5.0	7.0	0.0	0.0	0.0	1.0	20.0	1.0
7	40.0	9.0	0.0	0.0	7.0	3.0	0.0	0.0	3.0	8.0	4.0	0.0
8	9.0	2.0	15.0	0.0	17.0	4.0	0.0	0.0	2.0	4.0	3.0	30.0
9	1.0	10.0	1.0	0.0	4.0	1.0	0.0	2.0	4.0	1.0	2.0	2.0
10	4.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	18.0	15.0	1.0
11	1.0	0.0	1.0	3.0	4.0	3.0	0.0	0.0	0.0	3.0	22.0	0.0
12	0.0	0.0	3.0	0.0	20.0	0.0	0.0	1.0	4.0	7.0	2.0	0.0
13	50.0	1.0	12.0	0.0	5.0	0.0	0.0	4.0	3.0	3.0	0.0	0.0
14	4.0	14.0	23.0	2.0	1.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
15	0.0	5.0	5.0	1.0	2.0	0.0	0.0	0.0	0.0	6.0	4.0	0.0
16	0.0	3.0	4.0	0.0	0.0	2.0	0.0	3.0	3.0	1.0	9.0	0.0
17	0.0	2.0	0.0	0.0	0.0	1.0	0.0	1.0	25.0	0.0	0.0	0.0
18	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
19	2.0	0.0	0.0	0.0	0.0	0.0	10.0	3.0	3.0	0.0	5.0	1.0
20	0.0	1.0	0.0	0.0	0.0	2.0	2.0	6.0	5.0	4.0	25.0	2.0
21	0.0	0.0	0.0	0.0	0.0	4.0	3.0	5.0	9.0	5.0	10.0	0.0
22	0.0	0.0	0.0	3.0	1.0	1.0	10.0	0.0	1.0	4.0	1.0	0.0
23	0.0	5.0	12.0	0.0	0.0	0.0	15.0	0.0	0.0	6.0	0.0	0.0
24	0.0	4.0	1.0	7.0	2.0	2.0	22.0	5.0	2.0	22.0	0.0	10.0
25	1.0	0.0	0.0	18.0	4.0	3.0	3.0	10.0	3.0	1.0	0.0	3.0
26	0.0	0.0	13.0	28.0	1.0	1.0	2.0	7.0	0.0	4.0	0.0	12.0
27	4.0	0.0	12.0	18.0	4.0	0.0	1.0	1.0	0.0	2.0	10.0	10.0
28	0.0	0.0	0.0	20.0	1.0	0.0	30.0	6.0	1.0	3.0	2.0	8.0
29	7.0	0.0	0.0	2.0	0.0	8.0	0.0	5.0	0.0	0.0	8.0	1.0
30	2.0	0.0	7.0	1.0	0.0	0.0	6.0	0.0	0.0	40.0	30.0	0.0
31	1.0	0.0	0.0	0.0	1.0	0.0	0.0	14.0	0.0	39.0	0.0	20.0
Total	150.0	151.0	113.0	125.0	168.0	51.0	107.0	75.0	59.0	194.0	194.0	166.0
D. LI.	18	15	16	16	22	17	12	17	18	25	21	18
TOTALES ANUALES							1593.0				215	Días lluvia

ESTACION: EL PORVENIR — MUNICIPIO: PIJAO — AÑO: 1.989

ALTITUD 1.540 — LATITUD: 4-19 N. — LONGITUD: 75-45 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	35.0	0.0	0.0	7.0	40.0	3.0	0.0	0.0	0.0	0.0	3.0	12.0
2	1.0	10.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0	1.0
3	0.0	25.0	0.0	1.0	16.0	1.0	0.0	0.0	25.0	3.0	16.0	0.0
4	23.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0	7.0	0.0	1.0	0.0
5	1.0	0.0	17.0	0.0	27.0	8.0	0.0	0.0	19.0	0.0	1.0	13.0
6	0.0	7.0	14.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0
7	34.0	1.0	1.0	1.0	12.0	1.0	0.0	0.0	0.0	0.0	3.0	0.0
8	1.0	31.0	9.0	1.0	12.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0
9	10.0	1.0	0.0	4.0	1.0	2.0	0.0	0.0	0.0	1.0	0.0	10.0
10	2.0	40.0	0.0	0.0	12.0	6.0	0.0	0.0	0.0	24.0	25.0	0.0
11	1.0	7.0	29.0	0.0	0.0	1.0	0.0	0.0	4.0	4.0	0.0	10.0
12	0.0	1.0	20.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	4.0	0.0	1.0	3.0	0.0	0.0	1.0	26.0	1.0	0.0
14	0.0	5.0	6.0	6.0	0.0	0.0	0.0	1.0	0.0	1.0	1.0	0.0
15	0.0	28.0	30.0	1.0	4.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
16	0.0	30.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0
17	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	2.0	1.0	0.0
18	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	19.0	5.0	1.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	5.0	6.0	50.0	0.0
21	1.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	23.0	2.0	11.0	1.0
22	0.0	3.0	5.0	0.0	0.0	3.0	1.0	0.0	8.0	5.0	0.0	0.0
23	8.0	0.0	4.0	1.0	0.0	1.0	0.0	4.0	1.0	1.0	0.0	0.0
24	0.0	0.0	0.0	9.0	2.0	0.0	30.0	0.0	10.0	0.0	2.0	3.0
25	0.0	17.0	0.0	0.0	0.0	3.0	54.0	0.0	1.0	2.0	0.0	20.0
26	60.0	0.0	1.0	8.0	0.0	1.0	1.0	2.0	0.0	0.0	0.0	41.0
27	1.0	0.0	37.0	22.0	0.0	0.0	0.0	0.0	1.0	15.0	0.0	2.0
28	0.0	5.0	10.0	1.0	0.0	0.0	0.0	2.0	4.0	19.0	18.0	21.0
29	0.0	0.0	0.0	14.0	1.0	2.0	14.0	19.0	0.0	0.0	9.0	0.0
30	0.0	0.0	1.0	0.0	0.0	1.0	0.0	3.0	0.0	41.0	39.0	0.0
31	19.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	3.0	0.0	18.0
Total	197.0	212.0	189.0	82.0	162.0	37.0	103.0	47.0	141.0	174.0	230.0	152.0
D. LI.	14	16	16	15	15	15	7	8	15	19	19	12
TOTALES ANUALES							1726.0				171	Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: LA ESPERANZA MUNICIPIO: BUENAVISTA AÑO: 1.989

ALTITUD: 1.400 LATITUD: 4-21 N. LONGITUD: 75-45 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	75.0	0.0	0.0	0.0	67.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0
2	0.0	29.0	0.0	0.0	0.0	32.0	0.0	0.0	0.0	0.0	4.0	4.0
3	0.0	70.0	0.0	20.0	0.0	0.0	0.0	0.0	80.0	0.0	31.0	17.0
4	30.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
5	0.0	0.0	0.0	0.0	31.0	8.0	0.0	0.0	0.0	0.0	0.0	32.0
6	0.0	0.0	4.0	0.0	11.0	18.0	0.0	0.0	11.0	0.0	26.0	0.0
7	41.0	5.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	32.0	0.0	0.0
9	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
10	0.0	15.0	0.0	0.0	8.0	4.0	0.0	0.0	0.0	40.0	35.0	0.0
11	0.0	0.0	6.0	0.0	0.0	1.0	0.0	0.0	9.0	39.0	0.0	0.0
12	0.0	0.0	0.0	0.0	44.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0
13	17.0	0.0	38.0	0.0	0.0	0.0	0.0	0.0	0.0	45.0	0.0	0.0
14	0.0	22.0	17.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	16.0	26.0	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	9.0	0.0	0.0	0.0	4.0	26.0	0.0
17	0.0	25.0	0.0	0.0	5.0	0.0	0.0	0.0	28.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0	5.0	0.0	0.0
19	17.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.0	0.0
21	21.0	0.0	0.0	0.0	0.0	0.0	4.0	15.0	30.0	26.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	16.0	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	16.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	17.0	32.0	0.0	7.0
25	0.0	18.0	0.0	0.0	8.0	0.0	21.0	0.0	0.0	0.0	0.0	39.0
26	29.0	13.0	0.0	22.0	0.0	7.0	0.0	0.0	0.0	0.0	11.0	0.0
27	11.0	0.0	49.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0
28	0.0	0.0	0.0	10.0	0.0	0.0	0.0	11.0	16.0	25.0	0.0	0.0
29	7.0	0.0	0.0	12.0	0.0	0.0	16.0	26.0	0.0	0.0	19.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	51.0	12.0	0.0
31	6.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	6.0	0.0	28.0
Total	254.0	227.0	145.0	98.0	213.0	111.0	79.0	58.0	210.0	309.0	225.0	191.0
D. Ll.	10	11	7	6	10	10	5	4	8	12	9	9

TOTALES ANUALES 2120.0 101 Días lluvia

ESTACION: VILLA HORIZABA MUNICIPIO: GENOVA AÑO: 1.989

ALTITUD 1.540 LATITUD: 4-12 N. LONGITUD: 75-44 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	1.0	0.0	0.0	0.0	45.0	0.0	0.0	0.0	5.0	7.0	0.0	30.0
2	1.0	15.0	0.0	14.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	10.0
3	65.0	44.0	0.0	0.0	47.0	0.0	0.0	3.0	0.0	1.0	0.0	0.0
4	2.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	7.0	10.0	3.0	0.0
5	0.0	0.0	8.0	0.0	12.0	0.0	0.0	0.0	5.0	15.0	15.0	0.0
6	7.0	3.0	6.0	0.0	3.0	0.0	2.0	0.0	0.0	2.0	5.0	0.0
7	0.0	0.0	1.0	0.0	8.0	0.0	0.0	4.0	2.0	1.0	0.0	0.0
8	0.0	9.0	7.0	4.0	9.0	0.0	0.0	2.0	7.0	10.0	0.0	0.0
9	4.0	5.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	21.0	0.0	0.0
10	6.0	30.0	0.0	0.0	37.0	0.0	0.0	1.0	5.0	2.0	0.0	0.0
11	1.0	2.0	10.0	0.0	0.0	1.0	0.0	5.0	3.0	0.0	0.0	0.0
12	2.0	0.0	0.0	3.0	56.0	1.0	0.0	0.0	5.0	2.0	0.0	0.0
13	1.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
15	0.0	5.0	2.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
16	1.0	3.0	0.0	0.0	0.0	0.0	0.0	2.0	4.0	7.0	0.0	0.0
17	0.0	12.0	0.0	1.0	0.0	0.0	1.0	15.0	0.0	5.0	0.0	0.0
18	0.0	1.0	0.0	0.0	0.0	0.0	3.0	0.0	2.0	0.0	0.0	0.0
19	0.0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	1.0	1.0	3.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.0	2.0	0.0	0.0
21	9.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	7.0	13.0	0.0	0.0
22	2.0	4.0	4.0	0.0	0.0	4.0	5.0	3.0	10.0	0.0	2.0	2.0
23	8.0	18.0	9.0	0.0	10.0	1.0	0.0	0.0	0.0	3.0	0.0	20.0
24	0.0	0.0	0.0	20.0	5.0	2.0	21.0	0.0	2.0	1.0	0.0	10.0
25	0.0	0.0	0.0	0.0	2.0	0.0	0.0	15.0	0.0	0.0	0.0	1.0
26	9.0	1.0	0.0	5.0	0.0	4.0	0.0	0.0	2.0	3.0	0.0	9.0
27	8.0	0.0	19.0	1.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	30.0
28	2.0	0.0	0.0	0.0	0.0	2.0	15.0	3.0	0.0	5.0	0.0	0.0
29	0.0	0.0	0.0	6.0	0.0	0.0	2.0	0.0	0.0	31.0	2.0	0.0
30	1.0	0.0	0.0	0.0	0.0	1.0	14.0	5.0	0.0	27.0	35.0	4.0
31	12.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	142.0	152.0	80.0	55.0	236.0	17.0	65.0	58.0	121.0	184.0	65.0	116.0
D. Ll.	19	14	13	9	12	9	9	11	18	24	7	9

TOTALES ANUALES 1291.0 154 Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: EL ROCIO MUNICIPIO: CUIMBAYA AÑO: 1.989

ALTITUD: 1.400 LATITUD: 4-37 N. LONGITUD: 75-45 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.0	8.0	0.0	11.0	0.0	6.0	0.0	0.0	0.0	0.0	11.0	0.0
2	0.0	19.0	4.0	0.0	3.0	0.0	0.0	0.0	20.0	13.0	19.0	35.0
3	30.0	0.0	44.0	7.0	0.0	1.0	0.0	0.0	11.0	0.0	8.0	0.0
4	6.0	6.0	0.0	0.0	9.0	6.0	0.0	0.0	15.0	0.0	12.0	0.0
5	0.0	8.0	10.0	0.0	3.0	14.0	0.0	7.0	0.0	0.0	14.0	0.0
6	6.0	10.0	4.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	9.0	4.0
7	0.0	5.0	2.0	4.0	3.0	0.0	0.0	12.0	11.0	0.0	0.0	0.0
8	12.0	7.0	5.0	0.0	9.0	4.0	0.0	0.0	0.0	0.0	0.0	45.0
9	0.0	12.0	1.0	0.0	0.0	26.0	0.0	6.0	0.0	55.0	31.0	0.0
10	0.0	42.0	27.0	0.0	13.0	0.0	0.0	0.0	0.0	9.0	0.0	11.0
11	0.0	3.0	0.0	0.0	0.0	17.0	0.0	0.0	3.0	7.0	0.0	8.0
12	30.0	3.0	42.0	0.0	3.0	0.0	0.0	0.0	0.0	55.0	0.0	0.0
13	0.0	48.0	43.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
14	0.0	5.0	37.0	9.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	29.0	0.0
16	0.0	5.0	0.0	0.0	0.0	2.0	0.0	0.0	3.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	13.0	0.0	0.0
18	0.0	4.0	0.0	0.0	0.0	22.0	13.0	0.0	5.0	0.0	0.0	0.0
19	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	9.0	0.0
20	19.0	0.0	0.0	4.0	0.0	11.0	0.0	0.0	6.0	21.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	9.0	8.0	0.0	0.0
22	20.0	5.0	0.0	0.0	0.0	3.0	10.0	0.0	3.0	10.0	0.0	0.0
23	0.0	0.0	0.0	5.0	5.0	20.0	0.0	0.0	11.0	9.0	39.0	0.0
24	0.0	46.0	0.0	0.0	2.0	4.0	10.0	44.0	19.0	6.0	0.0	0.0
25	0.0	35.0	0.0	28.0	0.0	0.0	8.0	0.0	9.0	5.0	0.0	0.0
26	18.0	0.0	22.0	4.0	2.0	18.0	7.0	0.0	0.0	10.0	7.0	20.0
27	0.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	10.0
28	0.0	0.0	0.0	11.0	0.0	0.0	0.0	39.0	0.0	0.0	13.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.0	3.0	0.0
30	0.0	0.0	0.0	58.0	0.0	0.0	0.0	0.0	10.0	23.0	94.0	0.0
31	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	11.0
Total	159.0	271.0	254.0	141.0	59.0	180.0	48.0	108.0	158.0	341.0	298.0	144.0
D. Ll.	11	18	13	10	12	16	5	5	18	17	14	8

TOTALES ANUALES 2161.0 147 Días lluvia

ESTACION: LA ESPERANZA MUNICIPIO: FILANDIA AÑO: 1.989

ALTITUD 1.700 LATITUD: 4-38 N. LONGITUD: 75-42 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.0	5.0	1.0	0.0	0.0	2.0	0.0	0.0	40.0	1.0	12.0	0.0
2	15.0	3.0	6.0	1.0	7.0	0.0	0.0	0.0	20.0	0.0	34.0	11.0
3	8.0	0.0	20.0	1.0	1.0	0.0	0.0	0.0	9.0	49.0	3.0	18.0
4	0.0	0.0	0.0	0.0	4.0	11.0	2.0	0.0	4.0	3.0	0.0	1.0
5	0.0	18.0	0.0	1.0	1.0	9.0	0.0	1.0	0.0	0.0	18.0	0.0
6	0.0	8.0	0.0	1.0	8.0	1.0	0.0	0.0	0.0	0.0	20.0	0.0
7	8.0	17.0	2.0	0.0	2.0	0.0	1.0	0.0	10.0	7.0	1.0	0.0
8	1.0	12.0	0.0	5.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	47.0
9	15.0	9.0	15.0	1.0	13.0	0.0	0.0	0.0	1.0	2.0	45.0	0.0
10	0.0	11.0	8.0	0.0	0.0	2.0	0.0	0.0	6.0	9.0	0.0	5.0
11	0.0	0.0	12.0	0.0	47.0	1.0	0.0	0.0	1.0	14.0	0.0	1.0
12	14.0	0.0	28.0	6.0	9.0	0.0	0.0	1.0	0.0	40.0	0.0	2.0
13	7.0	16.0	34.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	1.0	7.0	31.0	0.0	10.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0
15	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	38.0	0.0
16	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	4.0	1.0	0.0
17	1.0	0.0	2.0	0.0	1.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0
18	0.0	16.0	0.0	0.0	12.0	8.0	0.0	7.0	21.0	0.0	0.0	0.0
19	3.0	0.0	4.0	0.0	0.0	0.0	4.0	1.0	6.0	4.0	22.0	0.0
20	15.0	2.0	0.0	0.0	0.0	16.0	1.0	13.0	12.0	0.0	0.0	0.0
21	3.0	1.0	3.0	0.0	0.0	21.0	0.0	0.0	1.0	2.0	0.0	28.0
22	0.0	11.0	1.0	29.0	0.0	2.0	9.0	0.0	35.0	0.0	34.0	6.0
23	0.0	9.0	0.0	2.0	6.0	10.0	27.0	0.0	5.0	6.0	0.0	2.0
24	13.0	20.0	2.0	4.0	1.0	2.0	0.0	21.0	1.0	1.0	0.0	18.0
25	15.0	0.0	1.0	29.0	0.0	29.0	21.0	0.0	0.0	22.0	0.0	7.0
26	11.0	0.0	21.0	13.0	27.0	2.0	0.0	0.0	8.0	1.0	17.0	11.0
27	34.0	7.0	39.0	0.0	3.0	0.0	0.0	0.0	2.0	0.0	0.0	26.0
28	1.0	0.0	0.0	8.0	8.0	0.0	0.0	33.0	0.0	0.0	13.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0	0.0
30	25.0	0.0	0.0	68.0	21.0	0.0	7.0	15.0	14.0	0.0	42.0	7.0
31	0.0	0.0	72.0	0.0	39.0	0.0	0.0	0.0	0.0	26.0	0.0	1.0
Total	192.0	173.0	303.0	197.0	211.0	118.0	92.0	92.0	208.0	204.0	319.0	191.0
D. Ll.	19	18	20	16	18	15	8	8	20	18	15	16

TOTALES ANUALES 2280.0 191 Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: SANTA HELENA — MUNICIPIO: STA ROSA DE C — AÑO: 1.989

ALTITUD: — LATITUD: 4-57 N. — LONGITUD: 75-37 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1									0.0	13.0	12.0	13.0
2									0.0	9.0	0.0	0.0
3									0.0	0.0	0.0	0.0
4									0.0	4.0	1.0	12.0
5									0.0	7.0	0.0	2.0
6									0.0	4.0	22.0	0.0
7									0.0	0.0	4.0	0.0
8									0.0	24.0	1.0	0.0
9									5.0	0.0	0.0	32.0
10									9.0	16.0	28.0	3.0
11									8.0	9.0	0.0	0.0
12									18.0	10.0	0.0	0.0
13									1.0	60.0	0.0	0.0
14									0.0	6.0	0.0	1.0
15									0.0	0.0	11.0	0.0
16									3.0	3.0	30.0	0.0
17									22.0	5.0	0.0	0.0
18									0.0	4.0	0.0	0.0
19									9.0	0.0	13.0	0.0
20									0.0	0.0	20.0	0.0
21									23.0	0.0	2.0	0.0
22									8.0	2.0	19.0	3.0
23									1.0	0.0	52.0	0.0
24									8.0	3.0	0.0	14.0
25									21.0	1.0	0.0	40.0
26									0.0	8.0	0.0	15.0
27									6.0	0.0	0.0	1.0
28									42.0	0.0	0.0	0.0
29									0.0	0.0	3.0	0.0
30									0.0	14.0	54.0	0.0
31									0.0	30.0	0.0	0.0
Total									184.0	232.0	272.0	136.0
D. Ll.									15	20	15	11

TOTALES ANUALES — Días lluvia

ESTACION: VIVERO — MUNICIPIO: GUIMBAYA — AÑO: 1.989

ALTITUD 1.400 — LATITUD: 4-37 N. — LONGITUD: 75-46 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	9.0	0.0	0.0	4.0	9.0	14.0	0.0	0.0	0.0	10.0	0.0	52.5
2	12.0	2.5	0.0	3.5	0.0	2.0	3.0	0.0	1.0	18.0	1.0	0.0
3	4.0	6.0	0.0	2.5	2.5	0.0	0.0	0.0	17.0	1.5	22.5	4.0
4	0.0	0.0	48.0	5.0	0.0	0.0	0.0	0.0	6.0	0.0	17.0	3.5
5	0.0	0.0	0.0	0.0	9.0	6.0	0.0	1.0	7.0	1.0	0.0	0.0
6	0.0	1.0	9.0	0.0	2.5	5.5	0.0	0.0	0.0	1.5	12.0	0.0
7	2.0	0.0	1.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0
8	0.0	0.0	0.0	3.5	2.5	7.0	3.0	0.0	14.0	9.0	0.0	0.0
9	0.0	4.0	14.0	0.0	0.0	2.0	0.0	0.0	1.5	0.0	0.0	35.0
10	2.0	46.0	0.0	0.0	8.0	29.0	0.0	0.0	0.0	46.0	36.0	2.0
11	0.0	44.0	34.0	0.0	0.0	18.5	0.0	0.0	5.0	7.0	0.0	6.0
12	0.0	0.0	0.0	0.0	16.5	2.0	0.0	0.0	2.0	2.0	0.0	5.0
13	6.0	0.0	26.5	0.0	0.0	8.5	0.0	0.0	0.0	54.0	1.0	0.0
14	0.0	41.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	4.0	0.0
15	4.0	2.0	32.5	7.0	13.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
16	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.5	0.0
17	0.0	6.0	0.0	0.0	0.0	2.0	0.0	0.0	4.0	2.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	8.0	4.0	0.0	0.0
19	0.0	2.0	0.0	0.0	0.0	18.0	11.0	0.0	0.0	0.0	0.0	0.0
20	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.5	3.0	2.0	0.0
21	0.5	0.0	0.0	2.5	0.0	8.0	3.0	8.5	12.0	20.0	0.0	0.0
22	20.0	0.0	0.0	0.0	0.0	12.0	3.5	0.0	2.0	8.0	1.0	0.0
23	0.0	3.0	0.0	1.5	0.0	3.0	0.0	3.5	0.0	20.0	0.0	2.0
24	0.0	0.0	0.0	3.0	7.0	27.0	8.0	0.0	0.0	4.0	32.5	6.0
25	6.0	30.0	1.5	0.0	2.0	2.0	5.0	39.0	34.0	6.0	0.0	11.5
26	2.5	36.5	0.0	24.5	0.0	14.5	0.0	0.0	0.0	8.0	0.0	6.5
27	20.0	0.0	12.0	3.0	0.0	1.0	3.0	0.0	0.0	12.0	2.0	3.0
28	1.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	16.0	2.5	0.0	0.0
29	0.0	0.0	0.0	10.0	0.0	0.0	18.0	34.0	0.0	0.0	11.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.0	4.0	0.0
31	18.0	0.0	0.0	0.0	1.0	0.0	1.0	3.0	0.0	19.0	0.0	0.0
Total	116.5	224.0	212.5	70.0	78.0	190.0	58.5	94.0	132.0	320.0	178.5	137.0
D. Ll.	16	13	10	12	12	20	10	8	15	25	15	12

TOTALES ANUALES — 1811.0 — 168 Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: LA TERESITA MUNICIPIO: STA ROSA CABAL AÑO: 1.989

ALTITUD: LATITUD: 4-57 N. LONGITUD: 75-37 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	15.0	2.0	0.0	2.0	48.0	0.0	4.0	0.0	0.0	15.0	3.0	45.0
2	2.0	5.0	0.0	5.0	10.0	10.0	1.0	0.0	0.0	0.0	0.0	5.0
3	23.0	21.0	56.0	0.0	3.0	2.0	0.0	0.0	56.0	2.0	5.0	18.0
4	20.0	15.0	20.0	71.0	12.0	15.0	0.0	0.0	13.0	6.0	8.0	42.0
5	2.0	1.0	5.0	0.0	0.0	26.0	10.0	5.0	6.0	5.0	1.0	5.0
6	0.0	0.0	15.0	3.0	2.0	55.0	45.0	0.0	4.0	0.0	15.0	6.0
7	25.0	0.0	0.0	1.0	41.0	4.0	15.0	5.0	0.0	2.0	0.0	0.0
8	2.0	0.0	19.0	0.0	8.0	23.0	2.0	15.0	5.0	14.0	5.0	5.0
9	1.0	20.0	0.0	6.0	32.0	5.0	1.0	0.0	15.0	0.0	0.0	18.0
10	2.0	5.0	0.0	10.0	20.0	2.0	0.0	0.0	8.0	26.0	30.0	4.0
11	2.0	0.0	31.0	0.0	8.0	0.0	0.0	5.0	10.0	7.0	6.0	6.0
12	6.0	0.0	10.5	0.0	20.0	95.0	0.0	0.0	30.0	12.0	2.0	5.0
13	7.0	0.0	50.0	5.0	0.0	2.0	0.0	10.0	18.0	20.0	0.0	0.0
14	7.0	20.0	10.0	0.0	0.0	0.0	0.0	3.0	0.0	35.0	7.0	20.0
15	5.0	0.0	0.0	20.0	10.0	8.0	0.0	30.0	0.0	3.0	35.0	0.0
16	20.0	0.0	20.0	25.0	0.0	3.0	0.0	0.0	3.0	2.0	71.0	0.0
17	35.0	0.0	0.0	2.0	0.0	5.0	0.0	0.0	19.0	5.0	0.0	0.0
18	0.0	0.0	0.0	0.0	42.0	0.0	0.0	0.0	16.0	9.0	0.0	0.0
19	15.0	0.0	0.0	0.0	0.0	4.0	35.0	3.0	2.0	5.0	25.0	0.0
20	0.0	0.0	12.0	0.0	3.0	2.0	12.0	0.0	4.0	3.0	15.0	0.0
21	0.0	5.0	0.0	0.0	0.0	30.0	2.0	6.0	50.0	5.0	9.0	0.0
22	5.0	30.0	5.0	13.0	3.0	3.0	8.0	0.0	10.0	4.0	5.0	0.0
23	3.0	25.0	50.0	84.0	30.0	17.0	4.0	5.0	21.0	13.0	58.0	20.0
24	5.0	5.0	2.0	0.0	0.0	1.0	2.0	3.0	18.0	4.0	2.0	12.0
25	0.0	10.0	1.0	0.0	25.0	10.0	63.0	0.0	35.0	5.0	0.0	18.0
26	5.0	3.0	45.0	5.0	2.0	7.0	10.0	0.0	4.0	7.0	1.0	20.0
27	45.0	0.0	40.0	41.0	26.0	2.0	0.0	2.0	3.0	0.0	0.0	2.0
28	12.0	0.0	8.0	18.0	5.0	10.0	0.0	41.0	48.0	3.0	2.0	4.0
29	5.0	0.0	0.0	0.0	2.0	18.0	18.0	15.0	0.0	0.0	7.0	10.0
30	15.0	0.0	0.0	10.0	16.0	15.0	0.0	2.0	6.0	28.0	27.0	15.0
31	10.0	0.0	5.0	0.0	17.0	0.0	5.0	0.0	0.0	32.0	0.0	2.0
Total	294.0	167.0	404.5	321.0	385.0	374.0	237.0	150.0	404.0	272.0	339.0	282.0
D. Ll.	26	14	19	17	23	26	17	15	24	26	22	21

TOTALES ANUALES 3629.5 250 Días lluvia

ESTACION: LAS ARAUCARIAS MUNICIPIO: STA ROSA CABAL AÑO: 1.989

ALTITUD 1.700 LATITUD: 4-52 N. LONGITUD: 75-33 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.0	43.0	0.0	5.0	35.0	0.0	5.0					
2	15.0	25.0	5.0	0.0	3.0	0.0	0.0					
3	20.0	0.0	13.0	0.0	0.0	0.0	0.0					
4	10.0	30.0	0.0	6.0	0.0	0.0	0.0					
5	0.0	5.0	5.0	0.0	32.0	0.0	0.0					
6	51.0	0.0	52.0	0.0	40.0	0.0	0.0					
7	0.0	0.0	0.0	5.0	10.0	0.0	20.0					
8	8.0	15.0	4.0	0.0	0.0	0.0	1.0					
9	15.0	0.0	0.0	0.0	8.0	35.5	25.1					
10	8.0	0.0	4.0	3.0	33.0	35.3	0.0					
11	55.0	0.0	5.0	0.0	0.0	0.0	0.0					
12	10.0	0.0	32.0	0.0	21.0	30.2	0.0					
13	0.0	10.0	55.0	42.0	0.0	55.0	0.0					
14	0.0	30.0	15.0	0.0	0.0	0.0	0.0					
15	0.0	5.0	25.0	6.0	0.0	20.2	25.2					
16	5.0	0.0	13.0	15.0	0.0	15.5	0.0					
17	0.0	0.0	0.0	18.0	17.0	0.0	0.0					
18	55.0	0.0	0.0	0.0	7.0	0.0	20.5					
19	8.0	0.0	4.0	0.0	8.0	0.0	0.0					
20	0.0	5.0	0.0	5.0	0.0	0.0	20.0					
21	35.0	3.0	0.0	0.0	0.0	0.0	0.2					
22	0.0	19.0	24.0	10.0	0.0	0.0	0.0					
23	0.0	24.0	30.0	32.0	58.0	40.0	0.5					
24	5.0	0.0	0.0	0.0	31.0	0.0	20.0					
25	10.0	12.0	0.0	0.0	33.0	0.0	0.0					
26	43.0	0.0	23.0	5.0	0.0	0.0	0.0					
27	0.0	0.0	17.0	26.0	23.0	0.0	0.0					
28	10.0	0.0	0.0	0.0	0.0	5.0	0.0					
29	10.0	0.0	0.0	75.0	0.0	0.0	0.0					
30	10.0	0.0	0.0	15.0	0.0	0.0	0.0					
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
Total	383.0	226.0	326.0	268.0	359.0	236.7	137.5					
D. Ll.	19	13	17	15	15	8	10					

TOTALES ANUALES Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: LA RENTA — MUNICIPIO: PEREIRA — AÑO: 1.989

ALTITUD: 1.250 — LATITUD: 4-47 N. — LONGITUD: 75-42 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	17.0	0.0	0.0	34.0	23.0	0.0	1.0	0.0	0.0	5.0	0.0	24.0
2	0.0	0.0	22.0	1.0	0.0	5.0	0.0	0.0	0.0	2.0	2.0	0.0
3	11.0	12.0	0.0	14.0	0.0	0.0	0.0	1.0	23.0	13.0	0.0	0.0
4	6.0	0.0	24.0	3.0	1.0	3.0	1.0	0.0	15.0	2.0	4.0	2.0
5	0.0	0.0	0.0	0.0	23.0	2.0	6.0	3.0	43.0	0.0	0.0	1.0
6	9.0	1.0	0.0	0.0	0.0	9.0	0.0	0.0	21.0	0.0	12.0	0.0
7	6.0	0.0	1.0	20.0	10.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0
8	0.0	0.0	16.0	0.0	0.0	1.0	8.0	0.0	0.0	15.0	0.0	0.0
9	5.0	21.0	0.0	0.0	0.0	0.0	0.0	3.0	10.0	23.0	0.0	2.0
10	0.0	4.0	0.0	0.0	2.0	2.0	0.0	5.0	0.0	38.0	7.0	0.0
11	0.0	3.0	75.0	0.0	0.0	40.0	0.0	0.0	0.0	6.0	1.0	0.0
12	0.0	0.0	17.0	0.0	13.0	1.0	0.0	3.0	2.0	2.0	0.0	0.0
13	4.0	2.0	36.0	8.0	2.0	0.0	0.0	1.0	0.0	25.0	0.0	0.0
14	34.0	2.0	18.0	2.0	0.0	0.0	0.0	0.0	0.0	6.0	3.0	17.0
15	0.0	1.0	26.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	3.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.0	1.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	4.0	5.0	2.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	5.0	2.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	3.0	0.0	28.0	0.0
21	0.0	1.0	3.0	0.0	0.0	2.0	0.0	0.0	1.0	2.0	0.0	0.0
22	0.0	0.0	1.0	0.0	0.0	23.0	8.0	0.0	4.0	0.0	0.0	0.0
23	0.0	2.0	0.0	40.0	2.0	2.0	0.0	0.0	2.0	10.0	9.0	1.0
24	0.0	0.0	0.0	1.0	8.0	5.0	0.0	0.0	12.0	8.0	1.0	0.0
25	0.0	18.0	2.0	8.0	0.0	0.0	12.0	4.0	7.0	7.0	2.0	26.0
26	0.0	0.0	9.0	13.0	0.0	14.0	2.0	0.0	11.0	0.0	0.0	2.0
27	18.0	0.0	7.0	0.0	1.0	0.0	0.0	0.0	0.0	33.0	0.0	5.0
28	0.0	0.0	13.0	0.0	0.0	0.0	0.0	10.0	18.0	1.0	1.0	0.0
29	1.0	0.0	0.0	6.0	0.0	0.0	14.0	0.0	0.0	0.0	22.0	0.0
30	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	6.0	0.0	0.0
31	2.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0
Total	116.0	67.0	272.0	152.0	87.0	112.0	65.0	32.0	213.0	235.0	107.0	80.0
D. Ll.	12	11	16	13	11	15	11	9	17	21	14	9

TOTALES ANUALES: 1538.0 — 159 Días lluvia

ESTACION: LA ABUELITA — MUNICIPIO: PEREIRA — AÑO: 1.989

ALTITUD: 1.250 — LATITUD: 4-44 N. — LONGITUD: 75-47 W

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	5.3	0.0	0.0	18.9	22.6	0.2	0.0	0.0	0.0	6.4	23.5	46.8
2	0.0	0.0	3.5	1.7	0.0	0.0	4.5	0.0	0.0	0.0	2.3	0.0
3	9.8	0.0	14.5	7.2	0.0	0.0	0.0	7.3	16.7	0.0	53.7	0.0
4	3.2	9.6	98.9	2.6	12.5	0.0	27.4	0.0	4.3	2.3	0.0	0.0
5	0.0	0.0	0.0	7.9	50.3	4.7	32.9	0.0	37.3	0.0	0.0	0.0
6	0.0	5.3	16.8	0.0	0.0	14.5	0.0	0.0	0.0	0.0	0.0	0.0
7	4.2	0.0	1.0	1.2	8.7	0.0	0.0	0.0	5.8	0.0	0.0	0.0
8	0.0	0.0	7.0	0.0	22.1	0.0	0.0	0.0	0.0	2.8	0.0	0.0
9	3.4	8.7	3.6	0.0	0.0	5.3	0.0	0.0	11.5	17.7	0.0	14.2
10	5.3	9.8	2.3	0.0	3.9	16.8	0.0	0.0	0.0	57.0	18.6	0.0
11	0.0	8.5	34.1	0.0	0.0	0.0	0.0	0.0	7.2	12.6	0.0	0.0
12	0.0	0.0	4.0	2.4	14.0	0.0	0.0	0.0	13.4	5.3	0.0	3.2
13	12.0	1.1	7.8	0.0	0.0	0.0	0.0	18.7	2.3	24.8	0.0	0.0
14	11.5	0.0	16.5	0.0	8.2	0.0	0.0	0.0	0.0	0.0	0.0	6.2
15	0.0	2.7	13.1	9.8	0.0	0.0	0.0	4.6	1.3	4.2	2.4	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.2	0.0
17	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	3.4	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	2.8	32.6	5.7	0.0
19	0.0	1.8	0.0	0.0	2.8	0.0	0.0	0.0	29.7	0.0	0.0	0.0
20	0.0	0.0	1.2	0.0	0.0	0.0	11.5	0.0	8.7	0.0	6.7	0.0
21	0.0	4.0	0.0	0.0	0.0	3.2	0.0	0.0	5.3	4.2	0.0	0.0
22	0.0	0.0	2.8	0.0	4.9	22.4	0.0	0.0	4.7	0.0	0.0	0.0
23	0.0	1.2	0.0	0.0	1.3	4.6	0.0	0.0	19.2	0.0	14.6	0.0
24	0.0	0.0	0.0	38.1	14.7	2.4	0.0	0.0	5.4	0.0	3.2	0.0
25	0.0	14.7	1.9	0.0	0.8	0.0	9.5	8.3	4.2	10.0	0.0	8.4
26	0.0	8.0	6.2	27.2	0.0	25.3	0.0	0.2	0.0	0.0	0.0	3.2
27	3.1	0.0	12.9	14.5	0.0	0.0	0.0	0.0	5.8	12.8	0.0	4.6
28	9.4	0.0	12.4	22.6	0.0	0.0	0.0	8.9	12.7	0.0	0.0	7.5
29	0.0	0.0	0.0	10.5	0.0	0.0	14.6	60.5	4.6	0.0	6.2	0.0
30	0.0	0.0	0.0	0.3	0.0	16.3	0.0	0.0	0.0	40.3	7.5	0.0
31	0.8	0.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0
Total	68.0	77.4	267.9	164.9	166.8	118.0	100.4	108.5	214.3	242.1	166.6	94.1
D. Ll.	11	13	20	14	13	12	6	7	21	16	12	8

TOTALES ANUALES: 1789.0 — 153 Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: COMBIA — MUNICIPIO: PEREIRA — AÑO: 1.989

ALTITUD: 1.350 — LATITUD: 4-50 N. — LONGITUD: 75-50 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	45.0	1.0	0.0	25.0	34.0	0.0	0.0	3.0	0.0	4.0	27.0	78.0
2	1.0	0.0	3.0	4.0	0.0	9.0	0.0	13.0	0.0	3.0	0.0	0.0
3	30.0	14.0	16.0	0.0	1.0	1.0	0.0	0.0	22.0	0.0	6.0	0.0
4	41.0	0.0	10.0	7.0	0.0	15.0	0.0	0.0	12.0	4.0	12.0	35.0
5	1.0	0.0	1.0	0.0	14.0	3.0	10.0	3.0	17.0	0.0	0.0	1.0
6	0.0	5.0	35.0	1.0	0.0	1.0	6.0	0.0	2.0	6.0	13.0	0.0
7	12.0	0.0	0.0	3.0	10.0	0.0	15.0	0.0	4.0	0.0	0.0	0.0
8	6.0	5.0	0.0	0.0	5.0	12.0	9.0	0.0	0.0	0.0	0.0	0.0
9	1.0	2.0	0.0	0.0	0.0	4.0	0.0	1.0	16.0	1.0	0.0	20.0
10	1.0	12.0	2.0	0.0	1.0	10.0	0.0	0.0	0.0	36.0	3.0	1.0
11	0.0	15.0	58.0	0.0	8.0	54.0	0.0	4.0	9.0	9.0	5.0	0.0
12	0.0	0.0	40.0	0.0	13.0	10.0	0.0	6.0	1.0	0.0	0.0	0.0
13	4.0	0.0	69.0	29.0	0.0	1.0	0.0	1.0	0.0	35.0	0.0	1.0
14	53.0	2.0	9.0	15.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	5.0
15	0.0	1.0	40.0	0.0	1.0	10.0	0.0	0.0	0.0	2.0	0.0	0.0
16	5.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	12.0	1.0	38.0	0.0
17	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	5.0	7.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	5.0	1.0	1.0	0.0	0.0	0.0
20	0.0	0.0	2.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	3.0	0.0
21	0.0	0.0	5.0	1.0	0.0	2.0	1.0	1.0	52.0	15.0	0.0	0.0
22	0.0	2.0	0.0	0.0	0.0	25.0	13.0	0.0	4.0	21.0	5.0	0.0
23	0.0	12.0	0.0	3.0	0.0	2.0	0.0	14.0	0.0	26.0	24.0	0.0
24	0.0	0.0	0.0	13.0	13.0	3.0	1.0	5.0	20.0	10.0	1.0	0.0
25	0.0	11.0	5.0	0.0	0.0	0.0	2.0	23.0	2.0	1.0	1.0	29.0
26	1.0	0.0	0.0	1.0	0.0	15.0	7.0	0.0	0.0	5.0	0.0	12.0
27	27.0	0.0	19.0	6.0	3.0	0.0	0.0	0.0	0.0	20.0	0.0	1.0
28	1.0	0.0	17.0	0.0	0.0	0.0	0.0	10.0	16.0	2.0	0.0	0.0
29	25.0	0.0	0.0	11.0	0.0	0.0	5.0	0.0	0.0	0.0	6.0	0.0
30	1.0	0.0	0.0	0.0	5.0	1.0	1.0	0.0	0.0	3.0	2.0	0.0
31	8.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
Total	264.0	82.0	331.0	123.0	120.0	178.0	79.0	85.0	232.0	215.0	153.0	183.0
D. Ll.	19	12	16	14	13	18	13	13	17	22	15	10

TOTALES ANUALES: 2045.0 — 182 Días lluvia

ESTACION: LA PLAYA — MUNICIPIO: PEREIRA — AÑO: 1.989

ALTITUD 1.350 — LATITUD: 4-45 N. — LONGITUD: 75-44 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	33.0	0.0	10.0	19.0	22.0	0.0	0.0	5.0	0.0	5.0	0.0	77.0
2	0.0	0.0	15.0	7.0	0.0	14.0	0.0	5.0	0.0	11.0	0.0	0.0
3	35.0	25.0	37.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	14.0	0.0
4	34.0	0.0	5.0	15.0	0.0	22.0	0.0	0.0	45.0	0.0	4.0	12.0
5	0.0	0.0	0.0	0.0	15.0	5.0	10.0	2.0	28.0	0.0	0.0	0.0
6	0.0	18.0	31.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
7	11.0	0.0	0.0	0.0	13.0	0.0	25.0	0.0	11.0	0.0	10.0	0.0
8	3.0	0.0	0.0	0.0	7.0	7.0	12.0	0.0	10.0	0.0	0.0	0.0
9	2.0	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0
10	0.0	3.0	5.0	0.0	6.0	3.0	0.0	0.0	0.0	42.0	11.0	0.0
11	0.0	26.0	37.0	0.0	15.0	50.0	0.0	5.0	0.0	5.0	0.0	0.0
12	0.0	0.0	26.0	0.0	14.0	31.0	0.0	0.0	10.0	0.0	0.0	4.0
13	10.0	0.0	40.0	39.0	0.0	0.0	0.0	0.0	0.0	55.0	0.0	0.0
14	34.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0
15	0.0	5.0	78.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
16	7.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	8.0	2.0	32.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	5.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	3.0	46.0	0.0	0.0	0.0	0.0	5.0	0.0	3.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	68.0	20.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	20.0	13.0	0.0	0.0	4.0	0.0	0.0
23	0.0	54.0	0.0	0.0	0.0	4.0	0.0	12.0	0.0	30.0	38.0	0.0
24	0.0	0.0	0.0	0.0	12.0	4.0	15.0	0.0	23.0	7.0	0.0	0.0
25	0.0	11.0	0.0	0.0	0.0	0.0	13.0	21.0	3.0	0.0	0.0	21.0
26	0.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0	4.0	0.0	15.0
27	10.0	0.0	35.0	0.0	15.0	0.0	0.0	0.0	0.0	36.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	18.0	0.0	0.0	0.0
29	12.0	0.0	0.0	18.0	0.0	0.0	0.0	22.0	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	4.0	0.0	0.0
31	8.0	0.0	0.0	0.0	36.0	0.0	0.0	0.0	0.0	47.0	0.0	0.0
Total	199.0	173.0	322.0	168.0	155.0	203.0	58.0	77.0	298.0	263.0	121.0	147.0
D. Ll.	12	8	12	8	10	12	7	8	13	16	5	5

TOTALES ANUALES: 2244.0 — 121 Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: EL CASTILLO MUNICIPIO: SANTA ROSA DE CABAL AÑO: 1.989

ALTITUD: 1.550 LATITUD: 04-56 N. LONGITUD: 75-40 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	20.0	0.0	0.0	5.0	25.0	0.0	0.0	0.0	0.0	15.0	10.0	25.0
2	0.0	0.0	0.0	10.0	15.0	5.0	0.0	0.0	0.0	10.0	0.0	10.0
3	30.0	25.0	50.0	0.0	0.0	0.0	5.0	0.0	30.0	0.0	0.0	5.0
4	20.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	10.0	10.0	10.0
5	0.0	0.0	0.0	0.0	10.0	20.0	0.0	0.0	5.0	0.0	0.0	5.0
6	0.0	0.0	10.0	10.0	0.0	60.0	0.0	0.0	0.0	0.0	5.0	0.0
7	20.0	10.0	20.0	0.0	40.0	10.0	30.0	0.0	0.0	0.0	0.0	0.0
8	5.0	0.0	0.0	0.0	10.0	20.0	10.0	10.0	5.0	20.0	0.0	0.0
9	0.0	15.0	0.0	10.0	5.0	5.0	0.0	0.0	15.0	0.0	0.0	15.0
10	0.0	5.0	0.0	5.0	20.0	10.0	0.0	0.0	0.0	20.0	25.0	0.0
11	0.0	0.0	30.0	0.0	0.0	15.0	0.0	0.0	10.0	0.0	0.0	0.0
12	10.0	0.0	90.0	10.0	20.0	100.0	0.0	0.0	0.0	5.0	0.0	0.0
13	0.0	0.0	30.0	5.0	0.0	5.0	5.0	5.0	10.0	50.0	0.0	0.0
14	0.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	15.0
15	0.0	5.0	45.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	35.0	10.0
16	30.0	0.0	30.0	35.0	0.0	5.0	0.0	0.0	0.0	0.0	50.0	0.0
17	20.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	20.0	20.0	5.0	15.0	10.0	10.0	0.0	0.0
19	10.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	15.0	0.0
20	0.0	5.0	0.0	5.0	0.0	0.0	30.0	0.0	0.0	5.0	20.0	0.0
21	0.0	10.0	0.0	0.0	0.0	30.0	0.0	5.0	45.0	0.0	0.0	0.0
22	0.0	15.0	0.0	0.0	5.0	0.0	10.0	0.0	35.0	0.0	0.0	0.0
23	10.0	20.0	40.0	55.0	25.0	10.0	0.0	0.0	10.0	5.0	50.0	0.0
24	0.0	0.0	0.0	0.0	45.0	5.0	0.0	10.0	0.0	0.0	10.0	0.0
25	0.0	0.0	0.0	0.0	30.0	15.0	45.0	15.0	15.0	0.0	0.0	5.0
26	10.0	0.0	10.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	15.0
27	45.0	0.0	50.0	35.0	10.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
28	0.0	0.0	10.0	10.0	5.0	5.0	0.0	20.0	25.0	10.0	0.0	0.0
29	15.0	0.0	0.0	15.0	0.0	15.0	25.0	10.0	0.0	0.0	10.0	0.0
30	0.0	0.0	0.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0	30.0	0.0
31	15.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	35.0	0.0	0.0
Total	260.0	145.0	425.0	220.0	305.0	365.0	170.0	95.0	250.0	205.0	275.0	115.0
D. Ll.	14	11	13	14	18	19	10	9	14	14	13	10
TOTALES ANUALES							2830.0				159	Días lluvia

ESTACION: HIROSHIMA MUNICIPIO: PEREIRA AÑO: 1.989

ALTITUD 1.340 LATITUD: 4-46 N. LONGITUD: 75-44 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	10.0	0.0	0.0	5.0	50.0	4.0	0.0	0.0	0.0	0.0	0.0	4.0
2	1.0	0.0	0.0	2.0	0.0	22.0	0.0	0.0	0.0	0.0	3.0	0.0
3	2.5	20.0	0.0	40.0	10.0	0.0	0.0	0.0	76.0	15.0	15.0	0.0
4	1.0	0.0	13.0	9.0	2.0	0.0	0.0	0.0	83.0	10.0	0.0	14.0
5	0.0	0.0	0.0	0.0	25.0	4.0	6.0	33.0	87.0	5.0	0.0	13.0
6	0.0	0.0	35.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	14.0	2.0
7	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	5.0	90.0	2.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	83.0
9	0.0	15.0	0.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0	0.0	0.0
10	0.0	30.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	42.0	17.0	9.0
11	0.0	0.0	0.0	0.0	0.0	120.0	0.0	0.0	0.0	0.0	0.0	1.0
12	0.0	21.0	3.0	4.0	0.0	2.0	0.0	0.0	10.0	0.0	0.0	0.0
13	24.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0
14	40.0	0.0	0.0	0.0	2.0	0.0	0.0	11.0	0.0	8.0	3.0	0.0
15	0.0	3.0	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	23.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	1.0
17	10.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	30.0	9.0	0.0	0.0
18	0.0	0.0	10.0	0.0	50.0	16.0	0.0	0.0	15.0	0.0	15.0	0.0
19	0.0	0.0	0.0	0.0	0.0	4.0	37.0	0.0	0.0	0.0	21.0	0.0
20	0.0	0.0	40.0	0.0	0.0	16.0	0.0	0.0	15.0	0.0	18.0	0.0
21	0.0	0.0	10.0	0.0	3.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0
22	0.0	0.0	0.0	0.0	4.0	59.0	5.0	0.0	3.0	15.0	0.0	0.0
23	0.0	0.0	0.0	0.0	24.0	5.0	6.0	0.0	0.0	0.0	40.0	0.0
24	0.0	0.0	0.0	40.0	0.0	0.0	11.0	0.0	10.0	12.0	39.0	0.0
25	0.0	5.0	2.0	0.0	3.0	0.0	41.0	0.0	25.0	11.0	0.0	2.0
26	10.0	0.0	10.0	0.0	5.0	47.0	2.0	0.0	20.0	38.0	0.0	0.0
27	33.0	0.0	47.0	0.0	0.0	0.0	10.0	10.0	15.0	22.0	0.0	1.0
28	0.0	0.0	20.0	52.0	0.0	0.0	0.0	5.0	0.0	12.0	18.0	0.0
29	29.0	0.0	0.0	0.0	0.0	0.0	0.0	52.0	18.0	0.0	4.0	0.0
30	1.0	0.0	0.0	7.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	5.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.0	0.0	10.0
Total	161.5	94.0	199.0	182.0	203.0	305.0	118.0	128.0	392.0	353.0	254.0	145.0
D. Ll.	11	6	12	9	13	12	8	6	15	16	15	12
TOTALES ANUALES							2534.5				135	Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: LA PALMERA MUNICIPIO: MARSELLA AÑO: 1.989

ALTITUD: 1.450 LATITUD: 5-00 N. LONGITUD: 75-45 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	5.0	0.0	0.0	5.0	54.0	0.0	4.0	0.0	0.0	30.0	0.0	6.0
2	52.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	11.0	23.0	5.0
3	24.0	0.0	21.0	1.0	0.0	20.0	0.0	0.0	3.0	0.0	20.0	7.0
4	1.0	0.0	8.0	61.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	0.0
5	3.0	0.0	10.0	4.0	11.0	10.0	0.0	8.0	6.0	0.0	0.0	6.0
6	20.0	25.0	3.0	6.0	5.0	60.0	0.0	0.0	4.0	17.0	6.0	0.0
7	20.0	0.0	0.0	3.0	10.0	0.0	6.0	0.0	1.0	5.0	0.0	0.0
8	6.0	0.0	0.0	2.0	2.0	0.0	0.0	13.0	10.0	0.0	0.0	5.0
9	4.0	32.0	0.0	0.0	12.0	14.0	4.0	3.0	2.0	1.0	0.0	11.0
10	0.0	80.0	0.0	2.0	16.0	11.0	0.0	4.0	19.0	23.0	0.0	2.0
11	0.0	6.0	0.0	0.0	2.0	19.0	0.0	0.0	8.0	10.0	0.0	5.0
12	5.0	0.0	28.0	0.0	11.0	18.0	0.0	2.0	0.0	2.0	2.0	0.0
13	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	24.0	0.0	0.0	0.0
14	0.0	1.0	15.0	20.0	0.0	0.0	0.0	30.0	0.0	68.0	0.0	17.0
15	12.0	0.0	20.0	10.0	3.0	4.0	0.0	16.0	0.0	28.0	0.0	0.0
16	35.0	0.0	0.0	0.0	0.0	1.0	0.0	2.0	0.0	0.0	19.0	0.0
17	25.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0	5.0	5.0	0.0	0.0
18	0.0	0.0	0.0	0.0	26.0	19.0	2.0	10.0	0.0	3.0	0.0	1.0
19	0.0	2.0	0.0	0.0	0.0	10.0	51.0	45.0	0.0	0.0	6.0	0.0
20	0.0	0.0	0.0	0.0	0.0	5.0	1.0	1.0	0.0	0.0	10.0	0.0
21	0.0	9.0	0.0	0.0	20.0	4.0	9.0	2.0	11.0	2.0	0.0	0.0
22	0.0	7.0	0.0	0.0	15.0	29.0	17.0	0.0	4.0	6.0	0.0	0.0
23	20.0	0.0	0.0	36.0	35.0	0.0	7.0	2.0	0.0	24.0	38.0	0.0
24	0.0	0.0	0.0	0.0	10.0	6.0	0.0	4.0	21.0	1.0	0.0	7.0
25	0.0	1.0	0.0	38.0	15.0	1.0	11.0	51.0	53.0	0.0	0.0	1.0
26	25.0	0.0	10.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	0.0
27	10.0	0.0	0.0	0.0	30.0	11.0	0.0	0.0	2.0	42.0	0.0	0.0
28	0.0	0.0	27.0	0.0	0.0	20.0	0.0	36.0	11.0	0.0	8.0	0.0
29	20.0	0.0	0.0	0.0	0.0	9.0	34.0	16.0	0.0	0.0	11.0	0.0
30	20.0	0.0	0.0	31.0	0.0	5.0	8.0	0.0	0.0	0.0	1.0	0.0
31	11.0	0.0	0.0	0.0	64.0	0.0	33.0	0.0	0.0	42.0	0.0	0.0
Total	318.0	164.0	152.0	219.0	359.0	277.0	190.0	245.0	184.0	327.0	149.0	73.0
D. Ll.	19	10	10	13	19	21	14	17	16	20	12	12

TOTALES ANUALES 2657.0 183 Días lluvia

ESTACION: MORENITA MUNICIPIO: MARSELLA AÑO: 1.989

ALTITUD 1.440 LATITUD: 4-54 N. LONGITUD: 75-46 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	15.0	25.0	10.0	0.0		45.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	15.0	95.0	0.0
3	0.0	15.0	0.0	30.0		20.0	0.0	0.0	19.0	0.0	0.0	0.0
4	0.0	10.0	0.0	0.0		30.0	0.0	0.0	14.0	52.0	0.0	0.0
5	0.0	0.0	0.0	10.0		5.0	0.0	0.0	0.0	30.0	0.0	0.0
6	90.0	9.0	5.0	0.0		15.0	0.0	0.0	22.0	10.0	55.0	0.0
7	0.0	0.0	90.0	0.0		0.0	30.0	0.0	0.0	5.0	0.0	0.0
8	0.0	70.0	8.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	45.0
9	0.0	10.0	10.0	20.0		32.0	0.0	0.0	0.0	17.0	0.0	0.0
10	0.0	20.0	15.0	0.0		25.0	0.0	0.0	0.0	5.0	0.0	0.0
11	0.0	0.0	10.0	0.0		20.0	0.0	0.0	0.0	50.0	0.0	0.0
12	0.0	0.0	0.0	15.0		12.0	0.0	0.0	0.0	38.0	0.0	0.0
13	10.0	0.0	0.0	31.0		0.0	0.0	0.0	0.0	30.0	0.0	0.0
14	0.0	10.0	70.0	0.0		0.0	0.0	0.0	0.0	15.0	0.0	0.0
15	0.0	0.0	0.0	38.0		0.0	0.0	0.0	95.0	10.0	0.0	0.0
16	0.0	0.0	0.0	0.0		3.0	0.0	0.0	30.0	0.0	0.0	0.0
17	6.0	0.0	0.0	0.0		20.0	0.0	0.0	25.0	0.0	0.0	0.0
18	7.5	0.0	0.0	0.0		0.0	30.0	0.0	10.0	0.0	0.0	0.0
19	80.0	90.0	0.0	0.0		0.0	15.0	0.0	23.0	45.0	120.0	10.0
20	0.0	0.0	0.0	0.0		10.0	0.0	0.0	0.0	15.0	0.0	0.0
21	0.0	19.0	0.0	35.0		0.0	0.0	15.0	0.0	0.0	90.0	0.0
22	0.0	10.0	35.0	25.0		0.0	0.0	0.0	35.0	0.0	0.0	0.0
23	15.0	0.0	15.0	14.0		0.0	40.0	0.0	10.0	15.0	0.0	0.0
24	9.5	0.0	10.0	10.0		0.0	0.0	55.0	11.5	0.0	12.0	0.0
25	11.0	0.0	0.0	15.0		0.0	0.0	30.0	15.0	0.0	0.0	10.0
26	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	45.0	0.0	25.0
27	12.0	0.0	0.0	16.0		35.0	0.0	0.0	0.0	5.0	0.0	30.0
28	10.0	0.0	0.0	0.0		0.0	0.0	15.0	17.0	0.0	0.0	0.0
29	0.0	0.0	50.0	0.0		0.0	0.0	40.0	36.0	0.0	0.0	0.0
30	19.0	0.0	20.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	15.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	300.0	288.0	348.0	259.0		272.0	115.0	155.0	362.5	402.0	372.0	120.0
D. Ll.	13	11	13	12		13	4	5	14	17	5	5

TOTALES ANUALES Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: VISTA HERMOSA — MUNICIPIO: BELEN DE UMBRIA — AÑO: 1.989

ALTITUD: 1.850 — LATITUD: 5-15 N. — LONGITUD: 76-54 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	6.2	6.0	0.0	0.0		33.7	14.0	0.0	0.0	13.0	7.5	12.5
2	2.4	10.4	0.0	7.0		2.8	0.0	0.0	0.0	4.8	0.0	0.0
3	1.2	7.5	0.0	0.0		4.0	0.0	0.0	12.6	11.0	9.6	4.5
4	4.0	10.8	2.3	3.1		2.4	0.0	0.0	0.0	28.0	3.4	0.0
5	4.7	0.0	7.8	0.0		14.5	0.0	28.0	5.2	44.0	0.0	12.0
6	5.8	0.0	4.3	6.8		9.9	0.0	0.0	4.0	33.0	7.0	0.0
7	2.0	15.5	3.1	4.0		0.0	1.1	0.0	1.7	8.0	5.0	0.0
8	0.0	0.0	2.0	10.4		2.5	6.2	10.2	0.0	9.5	0.0	0.0
9	0.0	36.1	0.0	0.0		0.0	0.0	17.0	2.9	0.0	0.0	0.0
10	7.0	0.0	5.0	7.8		7.5	0.0	3.9	18.9	0.0	0.0	0.0
11	26.3	14.5	15.0	1.4		8.9	0.0	1.5	8.5	0.0	0.0	0.0
12	6.0	0.0	6.0	0.0		12.7	0.0	0.0	2.1	0.0	0.0	0.0
13	0.0	0.0	0.0	1.3	2.0	11.0	0.0	0.0	4.5	0.0	0.0	0.0
14	0.0	0.0	4.2	0.0	5.0	0.0	0.0	0.0	0.0	3.5	4.3	0.0
15	5.1	4.0	9.3	0.0	1.0	0.0	0.0	29.4	27.9	4.9	0.0	0.0
16	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0
17	0.0	17.2	4.0	4.3	0.0	0.0	0.0	0.0	8.1	6.5	0.0	0.0
18	0.0	0.0	0.0	3.8	1.0	30.3	0.0	0.0	0.0	7.1	0.0	0.0
19	1.0	5.6	0.0	6.0	0.0	1.2	21.7	31.3	0.0	0.0	0.0	0.0
20	0.0	0.0	1.5	9.3	0.0	0.0	11.4	1.4	3.1	9.5	9.0	0.0
21	0.0	0.0	1.3	0.0	0.0	5.4	0.0	2.4	8.2	0.0	0.0	0.0
22	0.0	24.3	0.0	24.3	1.9	5.5	6.0	0.0	23.4	0.0	0.0	0.0
23	0.0	0.0	6.8	10.3	33.0	0.0	14.2	2.2	5.5	4.5	31.5	4.5
24	0.0	0.0	0.0	5.6	27.2	2.0	1.0	3.5	8.0	8.7	0.0	7.2
25	0.0	3.4	0.0	0.0	2.2	0.0	0.0	33.5	18.1	0.0	0.0	0.0
26	6.7	9.8	10.4	4.0	8.6	2.5	23.5	0.0	0.0	0.0	0.0	0.0
27	37.5	0.0	7.1	15.5	1.4	12.5	2.0	1.7	0.0	21.0	0.0	8.9
28	14.2	0.0	0.0	36.1	5.4	1.3	0.0	12.6	3.2	0.0	3.0	8.0
29	2.0	0.0	0.0	14.5	0.0	2.1	3.6	39.6	0.0	1.5	13.0	0.0
30	0.0	0.0	0.0	0.0	0.0	13.5	1.6	0.0	12.0	15.0	2.5	0.0
31	13.0	0.0	0.0	0.0	1.3	0.0	4.1	0.0	0.0	0.0	0.0	0.0
Total	145.1	165.1	92.1	175.5		186.2	110.4	218.2	177.9	233.5	111.8	57.6
D. LI.	17	13	17	19		21	13	15	19	18	12	7
TOTALES ANUALES												Días lluvia

ESTACION: LA TRIBUNA — MUNICIPIO: BALBOA — AÑO: 1.989

ALTITUD 1.500 — LATITUD: 4-57 N. — LONGITUD: 75°54' W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	9.0	0.0	0.0	4.0	44.0	0.0	0.0	0.0	0.0	10.0	0.0	35.0
2	1.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
3	1.0	0.0	71.0	0.0	0.0	0.0	0.0	0.0	2.0	26.0	6.0	7.0
4	34.0	0.0	11.0	25.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	6.0
5	0.0	0.0	0.0	0.0	13.0	4.0	8.0	0.0	8.0	0.0	0.0	5.0
6	6.0	1.0	35.0	16.0	0.0	11.0	0.0	0.0	1.0	4.0	46.0	0.0
7	2.0	0.0	1.0	5.0	1.0	81.0	1.0	0.0	0.0	0.0	2.0	0.0
8	16.0	1.0	0.0	10.0	9.0	3.0	7.0	0.0	0.0	18.0	0.0	0.0
9	10.0	4.0	0.0	0.0	8.0	0.0	0.0	0.0	4.0	0.0	0.0	16.0
10	1.0	8.0	0.0	0.0	2.0	32.0	0.0	2.0	0.0	0.0	12.0	5.0
11	0.0	5.0	24.0	0.0	0.0	28.0	0.0	0.0	0.0	2.0	0.0	1.0
12	0.0	0.0	30.0	0.0	8.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0
13	1.0	0.0	4.0	42.0	0.0	0.0	0.0	0.0	0.0	28.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.0	0.0	0.0
15	2.0	0.0	26.0	0.0	1.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0
16	13.0	0.0	2.0	0.0	0.0	24.0	0.0	0.0	0.0	0.0	61.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	46.0	31.0	22.0	0.0	3.0	0.0	2.0
19	0.0	2.0	1.0	0.0	0.0	6.0	2.0	4.0	0.0	0.0	0.0	1.0
20	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	19.0	0.0	4.0	0.0
21	0.0	12.0	0.0	0.0	0.0	0.0	6.0	0.0	6.0	12.0	0.0	0.0
22	0.0	1.0	15.0	0.0	0.0	10.0	0.0	1.0	1.0	9.0	0.0	0.0
23	0.0	26.0	0.0	15.0	0.0	4.0	2.0	6.0	29.0	26.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	2.0	0.0	26.0
25	0.0	9.0	0.0	0.0	0.0	8.0	28.0	58.0	3.0	20.0	0.0	2.0
26	13.0	0.0	0.0	2.0	0.0	6.0	5.0	0.0	1.0	34.0	0.0	0.0
27	8.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0	61.0	4.0	0.0	3.0
28	13.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	1.0	0.0	5.0	1.0
29	55.0	0.0	0.0	4.0	0.0	11.0	18.0	21.0	0.0	0.0	11.0	0.0
30	1.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	5.0	0.0
31	9.0	0.0	32.0	0.0	24.0	0.0	52.0	0.0	0.0	25.0	0.0	0.0
Total	195.0	79.0	253.0	123.0	110.0	283.0	167.0	125.0	153.0	296.0	152.0	110.0
D. LI.	18	12	13	9	9	15	13	8	15	20	9	13
TOTALES ANUALES						2046.0					154	Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: LA ZULIA MUNICIPIO: PUEBLO RICO AÑO: 1.989

ALTITUD: 1.480 LATITUD: 5-13 N. LONGITUD: 75-59 W

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.8	11.2	0.0	0.0	0.0	0.0	0.0	0.0	1.5	30.0		
2	15.6	6.5	0.0	4.0	0.0	0.0	0.0	0.0	15.4	15.0		
3	3.1	0.0	3.7	12.2	0.0	2.2	0.0	0.0	1.8	0.0		
4	8.1	0.0	0.0	0.0	10.2	0.0	5.5	24.3	24.6	0.0		
5	2.4	4.7	7.6	0.0	0.0	11.0	1.3	0.0	14.0	15.5		
6	2.7	0.0	2.7	4.7	0.0	13.4	4.2	0.0	4.0	4.0		
7	1.4	0.0	0.0	0.0	13.8	0.0	0.0	11.0	8.4	7.8		
8	0.3	19.9	0.0	0.0	0.0	0.0	0.0	[illegible]	6.0	1.9		
9	0.5	0.0	0.0	0.0	0.0	9.0	0.0		7.0	15.2		
10	0.0	21.2	0.0	0.0	7.0	20.3	0.0	0.0	5.5	38.2		
11	2.2	0.0	0.0	25.2	9.0	1.5	0.0	0.0	0.0	3.0		
12	3.8	0.0	5.8	0.0	0.0	4.4	0.0	0.0	4.7	7.5		
13	1.0	0.0	0.0	0.0	0.0	15.2	0.0	9.6	0.0	58.2		
14	0.0	0.0	5.7	3.4	0.0	0.0	0.0	16.2	0.0	1.2		
15	49.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6		
16	0.0	0.0	0.0	20.3	0.0	7.5	0.0	0.0	3.5	2.6		
17	0.0	0.0	0.0	0.0	4.0	46.3	1.0	12.7	1.5	0.0		
18	0.0	12.6	7.5	0.0	0.0	2.0	2.3	6.0	2.6	0.0		
19	0.0	1.0	4.6	0.0	0.0	2.3	11.7	0.0	0.7	0.0		
20	0.0	0.5	0.0	0.0	0.0	7.3	13.5	0.0	19.3	12.0		
21	0.0	2.2	0.0	10.7	8.0	15.0	2.4	0.0	7.1	0.0		
22	0.6	0.0	0.2	19.6	11.2	0.0	35.0	4.5	2.7	3.7		
23	1.3	0.0	0.8	9.7	9.0	16.0	14.2	4.8	0.0	6.8		
24	0.4	13.7	3.0	0.0	0.0	0.5	1.2	22.2	30.0	15.3		
25	1.1	2.3	38.3	6.5	11.4	7.0	9.8	2.0	5.0	0.0		
26	33.7	0.0	0.4	18.6	0.0	33.0	0.0	0.0	0.0	11.0		
27	0.8	0.0	0.0	2.1	0.0	0.0	0.0	44.5	12.2	0.0		
28	0.0	0.0	0.0	8.4	0.0	6.2	3.0	25.0	0.0	0.0		
29	0.6	0.0	0.0	5.1	0.0	3.7	0.0	0.0	0.0	8.0		
30	1.0	0.0	0.0	33.0	0.0	2.2	0.0	0.0	0.0	5.1		
31	0.0	0.0	0.0	0.0	23.3	0.0	0.0	0.0	0.0	0.0		
Total	130.5	95.8	80.3	183.5	106.9	226.0	105.1	201.4	177.5	267.6		
D. Ll.	21	11	12	15	10	21	13	14	21	21		

TOTALES ANUALES Días lluvia

ESTACION: LOS CAMBULOS MUNICIPIO: BELEN DE UMBRIA AÑO: 1.989

ALTITUD 1.400 LATITUD: 5-09 N. LONGITUD: 75-51 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	15.0	0.0	0.0	5.0	40.0	0.0	6.0	0.0	0.0	37.0	0.0	0.0
2	0.0	40.0	0.0	19.0	0.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0
3	5.0	4.0	0.0	9.0	0.0	0.0	0.0	0.0	6.0	10.0	5.0	7.0
4	12.0	0.0	15.0	5.0	3.0	10.0	0.0	13.0	3.0	0.0	0.0	3.0
5	5.0	0.0	0.0	15.0	15.0	3.0	0.0	0.0	2.0	0.0	8.0	0.0
6	0.0	5.0	23.0	2.0	0.0	2.0	0.0	0.0	0.0	10.0	3.0	0.0
7	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	4.0	37.0	0.0
8	0.0	5.0	9.0	5.0	0.0	0.0	0.0	12.0	0.0	25.0	0.0	0.0
9	5.0	4.0	0.0	0.0	2.0	0.0	0.0	20.0	5.0	0.0	0.0	0.0
10	0.0	0.0	0.0	3.0	7.0	14.0	0.0	0.0	34.0	38.0	10.0	10.0
11	5.0	0.0	10.0	10.0	0.0	1.0	0.0	0.0	10.0	42.0	0.0	0.0
12	10.0	8.0	13.0	0.0	10.0	25.0	0.0	0.0	14.0	10.0	0.0	0.0
13	0.0	0.0	10.0	1.0	9.0	3.0	0.0	0.0	0.0	8.0	10.0	0.0
14	0.0	0.0	19.0	0.0	0.0	0.0	0.0	10.0	18.0	20.0	0.0	0.0
15	35.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	5.0	0.0
16	0.0	0.0	0.0	10.0	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	0.0	0.0	19.0	0.0	5.0	5.0	0.0	25.0	0.0	8.0	0.0
19	0.0	0.0	0.0	0.0	0.0	10.0	7.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	4.0	0.0	6.0	0.0	2.0	8.0	20.0	5.0
21	0.0	5.0	0.0	0.0	14.0	25.0	17.0	0.0	10.0	10.0	0.0	0.0
22	0.0	10.0	0.0	11.0	10.0	15.0	7.0	5.0	0.0	3.0	8.0	0.0
23	0.0	0.0	0.0	65.0	12.0	20.0	26.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	5.0	21.0	7.0	3.0	7.0	0.0	5.0	15.0	0.0
25	0.0	4.0	5.0	0.0	2.0	0.0	7.0	20.0	33.0	47.0	0.0	0.0
26	25.0	0.0	0.0	5.0	1.0	9.0	18.0	16.0	0.0	0.0	0.0	0.0
27	5.0	0.0	0.0	0.0	2.0	22.0	0.0	0.0	12.0	10.0	0.0	7.0
28	49.0	0.0	5.0	10.0	3.0	0.0	0.0	30.0	0.0	0.0	30.0	13.0
29	0.0	0.0	0.0	0.0	0.0	2.0	3.0	15.0	0.0	0.0	5.0	0.0
30	0.0	0.0	0.0	47.0	0.0	9.0	17.0	0.0	0.0	0.0	8.0	0.0
31	9.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	33.0	0.0	0.0
Total	180.0	85.0	116.0	246.0	155.0	209.0	132.0	148.0	174.0	334.0	172.0	45.0
D. Ll.	12	9	10	18	16	15	13	10	13	18	14	6

TOTALES ANUALES 1996.0 158 Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: BUENOS AIRES MUNICIPIO: GUATICA AÑO: 1.989

ALTITUD: 1.830 LATITUD: 5-21 N. LONGITUD: 75-48 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	1.0	0.0	0.0	5.0	18.0	28.0	0.0	0.0	0.0	9.0	4.0	4.0
2	4.0	7.0	0.0	2.0	7.0	12.0	0.0	0.0	0.0	10.0	0.0	0.0
3	5.0	1.0	1.0	0.0	0.0	0.0	0.0	18.0	10.0	3.0	0.0	12.0
4	0.0	4.0	6.0	24.0	5.0	14.0	0.0	0.0	2.0	0.0	0.0	0.0
5	3.0	0.0	2.0	0.0	24.0	4.0	0.0	29.0	6.0	0.0	3.0	9.0
6	6.0	0.0	13.0	0.0	11.0	6.0	0.0	0.0	0.0	2.0	19.0	0.0
7	0.0	6.0	0.0	6.0	6.0	0.0	4.0	2.0	4.0	6.0	5.0	0.0
8	0.0	0.0	8.0	0.0	10.0	5.0	6.0	21.0	1.0	11.0	0.0	0.0
9	7.0	9.0	2.0	8.0	3.0	0.0	3.0	14.0	0.0	0.0	0.0	7.0
10	2.0	3.0	0.0	0.0	0.0	3.0	0.0	16.0	34.0	23.0	5.0	5.0
11	0.0	5.0	5.0	0.0	5.0	12.0	0.0	0.0	16.0	18.0	8.0	0.0
12	12.0	4.0	4.0	0.0	18.0	10.0	0.0	0.0	14.0	34.0	14.0	0.0
13	4.0	0.0	21.0	7.0	0.0	7.0	0.0	0.0	7.0	16.0	0.0	0.0
14	0.0	0.0	2.0	0.0	2.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
15	1.0	0.0	7.0	0.0	0.0	0.0	0.0	46.0	0.0	0.0	0.0	0.0
16	0.0	3.0	0.0	3.0	0.0	0.0	0.0	5.0	0.0	7.0	7.0	0.0
17	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	2.0	0.0	0.0
18	10.0	0.0	0.0	0.0	12.0	48.0	0.0	0.0	0.0	6.0	0.0	0.0
19	8.0	2.0	0.0	0.0	0.0	3.0	15.0	7.0	2.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	12.0	5.0	5.0	4.0
21	0.0	14.0	12.0	10.0	0.0	32.0	0.0	4.0	14.0	0.0	36.0	0.0
22	0.0	3.0	0.0	0.0	20.0	6.0	37.0	3.0	7.0	1.0	0.0	0.0
23	0.0	8.0	0.0	4.0	2.0	0.0	25.0	0.0	3.0	3.0	2.0	2.0
24	0.0	0.0	0.0	0.0	28.0	4.0	2.0	0.0	10.0	1.0	0.0	7.0
25	0.0	6.0	4.0	0.0	11.0	0.0	8.0	56.0	40.0	22.0	0.0	5.0
26	9.0	2.0	0.0	7.0	0.0	11.0	4.0	5.0	8.0	12.0	0.0	3.0
27	5.0	0.0	0.0	12.0	34.0	12.0	0.0	0.0	0.0	6.0	0.0	6.0
28	6.0	0.0	6.0	3.0	0.0	0.0	0.0	41.0	13.0	0.0	18.0	0.0
29	1.0	0.0	0.0	4.0	0.0	15.0	7.0	30.0	0.0	0.0	3.0	1.0
30	0.0	0.0	0.0	14.0	0.0	9.0	0.0	0.0	0.0	0.0	5.0	0.0
31	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	6.0
Total	92.0	77.0	93.0	109.0	216.0	241.0	117.0	297.0	208.0	222.0	134.0	71.0
D. LI.	18	15	14	14	17	19	11	15	19	22	14	13
TOTALES ANUALES							1677.0				191	Días lluvia

ESTACION: CSPIRMA MUNICIPIO: GUATICA AÑO: 1.989

ALTITUD 1.680 LATITUD: 5-20 N. LONGITUD: 75-49 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	1.0	6.0	0.0	0.0	43.0	20.0	0.0	0.0	0.0	10.0	5.0	10.0
2	0.0	5.0	5.0	5.0	3.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0
3	3.0	0.0	0.0	0.0	17.0	5.0	0.0	20.0	12.0	0.0	0.0	0.0
4	0.0	5.0	3.0	27.0	4.0	9.0	0.0	0.0	0.0	6.0	0.0	5.0
5	0.0	0.0	5.0	0.0	19.0	5.0	0.0	29.0	8.0	0.0	0.0	10.0
6	4.0	0.0	17.0	0.0	6.0	6.0	0.0	0.0	10.0	0.0	25.0	0.0
7	0.0	6.0	0.0	9.0	8.0	0.0	3.0	0.0	9.0	0.0	5.0	0.0
8	0.0	0.0	10.0	5.0	9.0	7.0	5.0	30.0	1.0	3.0	0.0	0.0
9	0.0	3.0	11.0	13.0	5.0	5.0	3.0	12.0	2.0	8.0	0.0	0.0
10	0.0	5.0	0.0	0.0	6.0	1.0	0.0	19.0	35.0	15.0	7.0	0.0
11	0.0	1.0	4.0	0.0	17.0	11.0	0.0	0.0	15.0	30.0	0.0	5.0
12	8.0	0.0	3.0	0.0	16.0	2.0	0.0	0.0	1.0	5.0	2.0	0.0
13	12.0	0.0	32.0	0.0	7.0	8.0	0.0	0.0	10.0	15.0	10.0	0.0
14	0.0	0.0	2.0	19.0	0.0	0.0	0.0	0.0	5.0	4.0	0.0	0.0
15	0.0	0.0	8.0	0.0	0.0	0.0	0.0	56.0	0.0	5.0	0.0	0.0
16	0.0	0.0	0.0	9.0	0.0	0.0	0.0	15.0	0.0	0.0	8.0	0.0
17	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	5.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	36.0	0.0	0.0	0.0	4.0	0.0	0.0
19	0.0	0.0	0.0	0.0	14.0	0.0	15.0	8.0	0.0	0.0	0.0	0.0
20	0.0	2.0	0.0	15.0	0.0	0.0	5.0	0.0	10.0	5.0	3.0	2.0
21	0.0	15.0	0.0	0.0	0.0	26.0	0.0	5.0	25.0	0.0	0.0	0.0
22	8.0	0.0	0.0	0.0	24.0	9.0	9.0	0.0	11.0	0.0	19.0	0.0
23	0.0	17.0	12.0	4.0	12.0	5.0	15.0	0.0	0.0	0.0	15.0	0.0
24	0.0	0.0	0.0	0.0	22.0	0.0	3.0	0.0	15.0	5.0	0.0	5.0
25	0.0	20.0	1.0	8.0	6.0	0.0	10.0	65.0	30.0	18.0	0.0	10.0
26	1.0	6.0	1.0	13.0	17.0	10.0	25.0	4.0	23.0	8.0	0.0	0.0
27	5.0	4.0	1.0	0.0	2.0	71.0	0.0	0.0	0.0	15.0	0.0	3.0
28	3.0	0.0	5.0	1.0	47.0	3.0	0.0	25.0	10.0	0.0	10.0	0.0
29	3.0	0.0	0.0	2.0	10.0	14.0	8.0	32.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	2.0	0.0	10.0	0.0	4.0	0.0	2.0	3.0	1.0
31	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	10.0	0.0	5.0
Total	48.0	59.0	120.0	132.0	314.0	263.0	106.0	324.0	240.0	188.0	112.0	56.0
D. LI.	10	14	16	14	22	20	12	14	19	20	12	10
TOTALES ANUALES							2002.0				183	Días lluvia

ESTACION: EL DIAMANTE — MUNICIPIO: QUINCHIA — AÑO: 1.989

ALTITUD: 1.550 — LATITUD: 5-19 N. — LONGITUD: 75-42 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	30.0	0.0	0.0	0.0	87.0	0.0	0.0	2.0	0.0	11.0	0.0	0.0
2	5.0	14.0	0.0	0.0	18.0	0.0	0.0	8.0	0.0	24.0	0.0	1.0
3	0.0	0.0	0.0	7.0	0.0	0.0	0.0	10.0	7.0	11.0	0.0	0.0
4	0.0	20.0	0.0	51.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0
5	6.0	0.0	0.0	0.0	32.0	9.0	0.0	22.0	3.0	0.0	0.0	21.0
6	6.0	0.0	34.0	0.0	51.0	14.0	0.0	0.0	5.0	10.0	21.0	0.0
7	10.0	11.0	0.0	38.0	18.0	0.0	17.0	0.0	0.0	0.0	0.0	0.0
8	10.0	0.0	2.0	0.0	0.0	6.0	12.0	1.0	0.0	7.0	0.0	18.0
9	0.0	32.0	0.0	0.0	12.0	0.0	0.0	20.0	3.0	0.0	0.0	0.0
10	0.0	10.0	0.0	15.0	0.0	2.0	0.0	0.0	0.0	53.0	55.0	0.0
11	20.0	13.0	0.0	0.0	0.0	21.0	0.0	13.0	9.0	11.0	0.0	0.0
12	17.0	0.0	5.0	0.0	58.0	47.0	0.0	0.0	15.0	5.0	0.0	0.0
13	0.0	3.0	0.0	0.0	0.0	1.0	0.0	0.0	24.0	29.0	0.0	0.0
14	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	0.0	4.0
15	0.0	0.0	3.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
16	29.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	0.0	0.0
18	5.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	17.0	0.0	30.0	33.0	0.0	4.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	0.0	39.0	6.0	0.0
21	0.0	0.0	0.0	17.0	0.0	0.0	0.0	4.0	44.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	3.0	23.0	10.0	2.0	5.0	0.0	4.0	0.0
23	0.0	0.0	0.0	1.0	0.0	0.0	11.0	3.0	6.0	13.0	0.0	0.0
24	0.0	0.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	20.0	0.0	0.0	0.0	42.0	21.0	7.0	4.0	0.0
26	3.0	0.0	0.0	15.0	0.0	0.0	12.0	6.0	10.0	0.0	0.0	10.0
27	0.0	0.0	8.0	34.0	9.0	13.0	0.0	30.0	0.0	19.0	0.0	0.0
28	70.0	0.0	17.0	13.0	1.0	18.0	1.0	0.0	12.0	0.0	4.0	20.0
29	0.0	0.0	0.0	7.0	0.0	17.0	35.0	40.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	4.0	6.0	0.0	0.0	10.0	0.0	0.0
31	6.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	19.0	0.0	0.0
Total	224.0	103.0	89.0	221.0	346.0	185.0	148.0	256.0	177.0	304.0	58.0	74.0
D. LL.	14	7	7	12	12	13	11	16	14	17	7	6

TOTALES ANUALES — 2225.0 mm. — 136 Días lluvia

ESTACION: EL BOSQUE — MUNICIPIO: COSQUEBRADAS — AÑO: 1.989

ALTITUD: 1.450 — LATITUD: 4-50 N. — LONGITUD: 75-41 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	13.0	0.0	0.0	0.0	45.0	3.0	0.0	0.0	0.0	0.0	0.0	85.0
2	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.0	0.0
3	17.0	0.0	25.0	0.0	13.0	0.0	0.0	8.0	28.0	0.0	10.0	0.0
4	12.0	0.0	30.0	49.0	0.0	0.0	0.0	0.0	26.0	0.0	7.0	10.0
5	0.0	25.0	0.0	0.0	0.0	40.0	14.0	0.0	7.0	0.0	11.0	0.0
6	0.0	0.0	54.0	0.0	16.0	0.0	10.0	0.0	0.0	0.0	15.0	6.0
7	32.0	0.0	0.0	0.0	32.0	20.0	20.0	0.0	20.0	0.0	0.0	20.0
8	0.0	0.0	39.0	0.0	7.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	59.0	0.0	0.0	21.0	14.0	0.0	5.0	8.0	0.0	0.0	84.0
10	15.0	14.0	35.0	0.0	16.0	1.0	0.0	0.0	0.0	79.0	0.0	0.0
11	0.0	30.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	5.0	0.0	0.0
12	14.0	0.0	13.0	0.0	0.0	12.0	0.0	0.0	0.0	50.0	0.0	0.0
13	0.0	0.0	25.0	39.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	11.0	10.0	0.0	11.0	0.0	0.0	0.0	7.0	0.0	30.0	0.0
15	0.0	0.0	26.0	0.0	4.0	20.0	0.0	0.0	0.0	0.0	7.0	4.0
16	8.0	0.0	13.0	20.0	0.0	0.0	0.0	0.0	0.0	36.0	31.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0	59.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	35.0	0.0	0.0	19.0	10.0	20.0	0.0
19	12.0	0.0	0.0	0.0	18.0	0.0	10.0	0.0	2.0	3.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	7.0	0.0
21	0.0	0.0	0.0	22.0	10.0	0.0	1.0	0.0	39.0	1.0	0.0	0.0
22	10.0	10.0	0.0	0.0	15.0	0.0	0.0	0.0	6.0	7.0	0.0	0.0
23	0.0	22.0	0.0	40.0	1.0	25.0	0.0	50.0	12.0	1.0	50.0	0.0
24	4.0	0.0	0.0	0.0	5.0	12.0	0.0	0.0	0.0	5.0	30.0	6.0
25	0.0	0.0	0.0	10.0	11.0	2.0	75.0	14.0	28.0	0.0	0.0	0.0
26	6.0	0.0	0.0	5.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	20.0	15.0	26.0	0.0	9.0	0.0	24.0	0.0	0.0	0.0
28	0.0	9.0	21.0	32.0	0.0	0.0	0.0	30.0	0.0	0.0	4.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	30.0	56.0	31.0	0.0	0.0	9.0
30	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0	20.0	0.0
31	5.0	0.0	0.0	0.0	25.0	0.0	10.0	0.0	0.0	37.0	0.0	25.0
Total	188.0	186.0	321.0	232.0	276.0	211.0	266.0	163.0	317.0	355.0	278.0	249.0
D. LL.	13	9	13	9	17	14	11	6	15	14	14	9

TOTALES ANUALES — 2582.0 mm. — 144 Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: LA ORIENTAL **MUNICIPIO:** QUINCHIA **AÑO:** 1.989

ALTITUD: 1.630 **LATITUD:** 5-22 N. **LONGITUD:** 75-43 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	6.0	3.0	0.0	20.0	70.0	25.0	5.0		0.0	5.0	0.0	13.0
2	12.0	4.0	25.0	0.0	5.0	0.0	0.0		0.0	9.0	20.0	2.0
3	10.0	1.0	0.0	0.0	0.0	25.0	0.0		4.0	0.0	0.0	6.0
4	0.0	0.0	0.0	20.0	5.0	5.0	0.0		0.0	2.0	3.0	0.0
5	21.0	5.0	0.0	0.0	35.0	10.0	0.0		24.0	0.0	2.0	9.0
6	19.0	3.0	6.0	0.0	5.0	5.0	0.0		8.0	0.0	11.0	0.0
7	0.0	6.0	7.0	10.0	15.0	0.0	2.0		0.0	10.0	4.0	0.0
8	10.0	9.0	2.0	1.0	15.0	2.0	55.0		0.0	34.0	0.0	0.0
9	0.0	3.0	0.0	0.0	5.0	0.0	0.0		0.0	3.0	0.0	17.0
10	0.0	0.0	0.0	0.0	35.0	1.0	0.0		0.0	12.0	7.0	3.0
11	3.0	5.0	1.0	0.0	0.0	12.0	0.0		9.0	11.0	2.0	8.0
12	5.0	0.0	0.0	0.0	15.0	2.0	0.0		30.0	5.0	1.0	5.0
13	0.0	0.0	6.0	0.0	0.0	5.0	0.0		0.0	27.0	0.0	0.0
14	0.0	0.0	20.0	0.0	0.0	0.0	0.0		0.0	31.0	0.0	0.0
15	3.0	0.0	1.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
16	0.0	1.0	0.0	5.0	0.0	0.0	0.0		0.0	0.0	2.0	0.0
17	4.0	0.0	0.0	0.0	0.0	0.0	0.0		10.0	0.0	0.0	0.0
18	10.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	1.0	6.0	0.0
19	6.0	0.0	0.0	1.0	12.0	0.0	3.0		1.0	0.0	0.0	0.0
20	0.0	5.0	1.0	0.0	0.0	0.0	25.0		0.0	17.0	5.0	0.0
21	3.0	0.0	15.0	5.0	0.0	5.0	0.0		22.0	4.0	0.0	0.0
22	1.0	4.0	0.0	0.0	0.0	35.0	5.0		31.0	0.0	0.0	0.0
23	0.0	35.0	0.0	0.0	8.0	0.0	5.0		12.0	11.0	0.0	0.0
24	0.0	0.0	0.0	0.0	11.0	1.0	0.0		2.0	23.0	0.0	6.0
25	2.0	3.0	0.0	1.0	5.0	1.0	6.0		42.0	20.0	0.0	8.0
26	4.0	0.0	5.0	15.0	0.0	90.0	1.0		11.0	0.0	0.0	2.0
27	12.0	0.0	2.0	7.0	1.0	15.0	0.0		2.0	22.0	0.0	1.0
28	27.0	0.0	10.0	5.0	5.0	0.0	0.0		40.0	2.0	3.0	7.0
29	31.0	0.0	0.0	5.0	0.0	4.0	28.0		0.0	0.0	0.0	1.0
30	1.0	0.0	0.0	5.0	0.0	15.0	0.0		0.0	3.0	5.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	12.0	0.0	2.0
Total	190.0	87.0	101.0	100.0	247.0	258.0	175.0		248.0	264.0	71.0	90.0
D. LL.	20	14	13	13	16	18	10		15	21	13	15
TOTALES ANUALES							mm.					Días lluvia

ESTACION: EL BARRANCO **MUNICIPIO:** MISTRATO **AÑO:** 1.989

ALTITUD: 1.580 **LATITUD:** 5-21 N. **LONGITUD:** 76-50 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	4.0	0.0	0.0	0.0	3.0	3.0	0.0	4.0	0.0	10.0	5.0	3.0
2	0.0	10.0	0.0	0.0	4.0	10.0	0.0	0.0	4.0	7.0	4.0	4.0
3	5.0	6.0	10.0	3.0	6.0	4.0	0.0	5.0	0.0	4.0	6.0	0.0
4	6.0	1.0	0.0	0.0	5.0	10.0	0.0	4.0	0.0	10.0	3.0	6.0
5	4.0	0.0	5.0	0.0	12.0	3.0	0.0	3.0	10.0	6.0	1.0	3.0
6	3.0	0.0	0.0	0.0	7.0	2.0	0.0	0.0	4.0	3.0	6.0	0.0
7	0.0	0.0	3.0	2.0	9.0	10.0	0.0	0.0	1.0	0.0	4.0	0.0
8	1.0	0.0	5.0	0.0	4.0	7.0	0.0	10.0	10.0	0.0	0.0	0.0
9	4.0	3.0	8.0	0.0	0.0	8.0	0.0	7.0	6.0	10.0	2.0	3.0
10	0.0	2.0	10.0	0.0	7.0	13.0	2.0	3.0	5.0	2.0	1.0	4.0
11	3.0	0.0	4.0	0.0	5.0	5.0	4.0	0.0	0.0	10.0	10.0	3.0
12	0.0	0.0	5.0	4.0	3.0	18.0	0.0	0.0	10.0	8.0	0.0	0.0
13	0.0	0.0	9.0	0.0	2.0	11.0	0.0	5.0	0.0	0.0	0.0	0.0
14	0.0	0.0	7.0	6.0	4.0	0.0	0.0	0.0	8.0	3.0	0.0	0.0
15	0.0	0.0	5.0	5.0	6.0	0.0	0.0	0.0	2.0	1.0	0.0	0.0
16		0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	0.0	0.0	0.0
17		0.0	0.0	4.0	0.0	3.0	0.0	3.0	1.0	4.0	3.0	0.0
18		0.0	0.0	0.0	0.0	5.0	0.0	4.0	10.0	2.0	1.0	0.0
19		0.0	10.0	13.0	0.0	0.0	10.0	0.0	0.0	10.0	0.0	0.0
20		0.0	0.0	10.0	0.0	4.0	7.0	0.0	12.0	5.0	4.0	0.0
21		0.0	0.0	0.0	4.0	15.0	15.0	0.0	11.0	11.0	0.0	0.0
22		0.0	0.0	0.0	1.0	18.0	5.0	10.0	10.0	2.0	2.0	0.0
23		0.0	0.0	7.0	3.0	5.0	8.0	0.0	13.0	0.0	0.0	0.0
24		0.0	0.0	2.0	4.0	3.0	10.0	3.0	9.0	2.0	0.0	4.0
25		0.0	0.0	4.0	5.0	0.0	8.0	5.0	10.0	3.0	0.0	3.0
26		0.0	0.0	0.0	3.0	10.0	13.0	0.0	0.0	6.0	0.0	0.0
27		0.0	0.0	0.0	2.0	4.0	10.0	0.0	13.0	1.0	0.0	0.0
28		0.0	0.0	4.0	1.0	3.0	8.0	10.0	12.0	0.0	5.0	0.0
29		0.0	0.0	3.0	0.0	10.0	7.0	8.0	0.0	0.0	7.0	5.0
30		0.0	0.0	10.0	0.0	0.0	10.0	4.0	8.0	0.0	5.0	3.0
31		0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
Total		22.0	81.0	77.0	103.0	184.0	117.0	93.0	174.0	123.0	69.0	41.0
D. LL.		5	12	14	23	24	14	17	22	23	17	11
TOTALES ANUALES							mm.					Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: COCAL **MUNICIPIO:** RIONEGRO **AÑO:** 1.989

ALTITUD: 700 **LATITUD:** 7°16' N. **LONGITUD:** 73°09' W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	2.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	6.0	0.0
2	0.0	0.0	0.0	10.0	18.0	0.0	0.0	29.0	6.0	0.0	0.0	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	40.0
4	6.0	0.0	3.0	0.0	0.0	15.0	0.0	0.0	3.0	2.0	10.0	53.0
5	0.0	0.0	6.0	44.0	0.0	0.0	16.0	0.0	0.0	30.0	0.0	0.0
6	0.0	0.0	32.0	0.0	0.0	0.0	2.0	0.0	0.0	23.0	0.0	0.0
7	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	10.0	0.0	0.0	0.0
8	0.0	0.0	13.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
9	0.0	0.0	71.0	20.0	34.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
10	0.0	0.0	98.0	0.0	38.0	0.0	0.0	0.0	2.0	0.0	13.0	5.0
11	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
12	0.0	0.0	11.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0
13	0.0	3.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	10.0	0.0
14	0.0	0.0	6.0	0.0	3.0	0.0	0.0	0.0	13.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	20.0	15.0	30.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.0	0.0	0.0	0.0
18	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0
19	0.0	11.0	15.0	18.0	0.0	0.0	0.0	0.0	12.0	8.0	0.0	0.0
20	0.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
22	0.0	0.0	20.0	0.0	0.0	0.0	15.0	1.0	10.0	7.0	0.0	0.0
23	0.0	0.0	3.0	0.0	8.0	6.0	0.0	8.0	0.0	31.0	0.0	0.0
24	17.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0
25	0.0	0.0	0.0	0.0	0.0	24.0	5.0	0.0	0.0	0.0	0.0	16.0
26	0.0	2.0	0.0	35.0	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	47.0	0.0	0.0	0.0	3.0
28	0.0	0.0	53.0	0.0	0.0	0.0	0.0	3.0	6.0	1.0	0.0	8.0
29	0.0	0.0	0.0	24.0	8.0	0.0	0.0	2.0	0.0	7.0	0.0	0.0
30	0.0	0.0	0.0	0.0	6.0	0.0	0.0	24.0	1.0	0.0	3.0	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	12.0
Total	31.0	16.0	359.0	193.0	148.0	51.0	63.0	138.0	155.0	144.0	49.0	162.0
D. Ll.	4	3	15	8	10	4	6	10	15	10	6	8

TOTALES ANUALES 1549.0 mm. 99 Días lluvia

ESTACION: EL SILENCIO **MUNICIPIO:** RIONEGRO **AÑO:** 1.989

ALTITUD: 1.120 **LATITUD:** 7-24 N. **LONGITUD:** 73-13 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	12.0	0.0	0.0	0.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	1.0	0.0	0.0	30.0	0.0	0.0	0.0	48.0	0.0	34.0	0.0	0.0
3	10.0	0.0	5.0	0.0	0.0	0.0	16.0	0.0	27.0	0.0	5.0	0.0
4	10.0	0.0	0.0	0.0	23.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	13.0	41.0	0.0	5.0	13.0	0.0	0.0	15.0	0.0
6	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	11.0	0.0	65.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0
8	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	30.0	0.0
9	0.0	0.0	93.0	0.0	40.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0	9.0	0.0	0.0	0.0
11	0.0	8.0	53.0	0.0	0.0	0.0	0.0	0.0	10.0	49.0	27.0	0.0
12	0.0	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0
13	0.0	0.0	4.0	9.0	0.0	75.0	0.0	8.0	0.0	0.0	0.0	5.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	5.0	0.0
15	0.0	0.0	45.0	0.0	5.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	27.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
17	0.0	0.0	39.0	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	15.0	0.0	0.0	5.0	0.0	15.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	14.0	0.0	0.0
20	0.0	0.0	57.0	0.0	0.0	0.0	23.0	0.0	0.0	0.0	0.0	0.0
21	11.0	0.0	0.0	0.0	35.0	7.0	45.0	0.0	0.0	0.0	0.0	0.0
22	0.0	9.0	0.0	5.0	19.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0
23	0.0	18.0	27.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	0.0	10.0
25	0.0	0.0	13.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	2.0	59.0
26	0.0	0.0	0.0	26.0	0.0	0.0	0.0	13.0	3.0	20.0	0.0	0.0
27	0.0	16.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	40.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	28.0	8.0	0.0	0.0	0.0	0.0	5.0	5.0	0.0
30	0.0	0.0	0.0	20.0	0.0	0.0	0.0	10.0	0.0	0.0	30.0	5.0
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	44.0	66.0	430.0	131.0	275.0	125.0	115.0	201.0	70.0	253.0	144.0	79.0
D. Ll.	5	5	14	7	10	5	8	8	7	9	10	4

TOTALES ANUALES 1933.0 mm. 92 Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: LA RESERVA **MUNICIPIO:** RIONEGRO **AÑO:** 1.989

ALTITUD: 1.200 **LATITUD:** 7-18 N. **LONGITUD:** 73-10 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	2.0	31.0	12.0	12.0	15.0	0.0					0.0	
2	0.0	0.0	0.0	0.0	6.0	12.0					0.0	
3	16.0	10.0	6.0	6.0	0.0	6.0					0.0	
4	0.0	0.0	0.0	17.0	0.0	2.0					0.0	
5	13.0	5.0	20.0	8.0	25.0	3.0					0.0	
6	2.0	11.0	40.0	0.0	10.0	0.0					0.0	
7	15.0	0.0	0.0	13.0	8.0	0.0					0.0	
8	3.0	20.0	25.0	0.0	5.0	15.0						
9	0.0	0.0	2.0	19.0	0.0	0.0						
10	0.0	0.0	2.0	1.0	20.0	0.0						
11	0.0	0.0	8.0	2.0	10.0	0.0						
12	5.0	0.0	0.0	2.0	8.0	0.0						
13	1.0	0.0	40.0	30.0	6.0	16.0						
14	0.0	10.0	30.0	0.0	0.0	4.0						
15	0.0	4.0	7.0	34.0	0.0	0.0						
16	35.0	0.0	28.0	27.0	11.0	10.0						
17	0.0	0.0	11.0	0.0	5.0	8.0						
18	5.0	0.0	5.0	13.0	5.0	25.0						
19	0.0	0.0	0.0	6.0	10.0	0.0						
20	3.0	20.0	6.0	15.0	35.0	16.0						
21	0.0	10.0	10.0	0.0	3.0	0.0						
22	30.0	5.0	0.0	8.0	8.0	0.0						
23	4.0	0.0	11.0	4.0	1.0	30.0						
24	0.0	0.0	0.0	1.0	10.0	3.0						
25	4.0	5.0	20.0	1.0	5.0	0.0						
26	0.0	14.0	0.0	20.0	0.0	0.0						
27	2.0	18.0	65.0	13.0	0.0	25.0						
28	2.0	7.0	52.0	0.0	30.0	0.0						
29	25.0	0.0	9.0	36.0	10.0	3.0						
30	0.0	0.0	10.0	0.0	6.0	0.0						
31	0.0	0.0	0.0	0.0	0.0	0.0						
Total	167.0	170.0	419.0	288.0	252.0	178.0						
D. Ll.	17	14	22	22	23	15						
TOTALES ANUALES								mm.				Dias lluvia

ESTACION: LOS COCOS **MUNICIPIO:** RIONEGRO **AÑO:** 1.989

ALTITUD: 1.300 **LATITUD:** 7°14' N. **LONGITUD:** 73-07 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	4.0	0.0	0.0	12.0	30.0	3.0	0.0	0.0	0.0	0.0	0.0	6.0
2	0.0	0.0	0.0	0.0	5.0	0.0	0.0	39.0	9.0	2.0	8.0	42.0
3	0.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	1.0	5.0	26.0
4	4.0	0.0	32.0	0.0	0.0	3.0	0.0	0.0	0.0	4.0	0.0	5.0
5	0.0	0.0	6.0	15.0	0.0	0.0	22.0	3.0	9.0	21.0	4.0	69.0
6	0.0	3.0	11.0	0.0	12.0	0.0	0.0	2.0	11.0	0.0	5.0	0.0
7	0.0	0.0	8.0	0.0	14.0	0.0	6.0	0.0	0.0	0.0	1.0	0.0
8	0.0	0.0	13.0	0.0	0.0	0.0	7.0	0.0	0.0	1.0	18.0	0.0
9	0.0	0.0	32.0	18.0	0.0	0.0	5.0	1.0	25.0	0.0	0.0	0.0
10	0.0	0.0	81.0	5.0	45.0	0.0	0.0	3.0	0.0	0.0	7.0	2.0
11	0.0	0.0	24.0	0.0	4.0	0.0	0.0	0.0	7.0	0.0	8.0	0.0
12	0.0	10.0	23.0	1.0	13.0	2.0	0.0	0.0	4.0	2.0	23.0	0.0
13	0.0	14.0	4.0	0.0	5.0	27.0	0.0	0.0	6.0	4.0	4.0	0.0
14	0.0	0.0	40.0	0.0	2.0	0.0	0.0	0.0	1.0	1.0	2.0	0.0
15	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	54.0	0.0	0.0	0.0
16	0.0	0.0	3.0	0.0	0.0	0.0	25.0	20.0	29.0	0.0	0.0	0.0
17	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	39.0	22.0	0.0	0.0
18	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.0	0.0	0.0
19	0.0	22.0	22.0	11.0	0.0	0.0	0.0	0.0	12.0	7.0	0.0	0.0
20	12.0	0.0	46.0	0.0	0.0	0.0	0.0	0.0	4.0	3.0	17.0	1.0
21	0.0	0.0	0.0	24.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
22	0.0	3.0	28.0	9.0	12.0	23.0	24.0	9.0	8.0	39.0	0.0	0.0
23	0.0	1.0	5.0	0.0	4.0	3.0	0.0	0.0	0.0	21.0	0.0	14.0
24	3.0	0.0	0.0	0.0	26.0	0.0	0.0	2.0	0.0	0.0	11.0	2.0
25	0.0	1.0	6.0	0.0	0.0	14.0	0.0	0.0	0.0	19.0	1.0	12.0
26	0.0	2.0	15.0	34.0	5.0	0.0	0.0	0.0	5.0	0.0	0.0	11.0
27	0.0	0.0	7.0	2.0	4.0	0.0	0.0	19.0	0.0	7.0	0.0	1.0
28	0.0	0.0	54.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	2.0
29	0.0	0.0	0.0	5.0	18.0	0.0	0.0	3.0	1.0	0.0	0.0	0.0
30	0.0	0.0	0.0	12.0	2.0	0.0	0.0	31.0	0.0	10.0	3.0	0.0
31	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	20.0
Total	24.0	57.0	493.0	150.0	201.0	75.0	89.0	132.0	241.0	179.0	117.0	213.0
D. Ll.	5	9	23	13	16	7	6	11	19	18	15	14
TOTALES ANUALES								1971.0 mm.			156	Dias lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: PALESTINA **MUNICIPIO:** RIONEGRO **AÑO:** 1.989

ALTITUD: 1.350 **LATITUD:** 7°19' N. **LONGITUD:** 73-07 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	12.0	0.0	6.0	0.0	8.0	2.0	0.0	0.0	0.0	0.0	0.0	55.0
2	6.0	0.0	0.0	0.0	2.0	0.0	0.0	45.0	8.0	0.0	5.0	40.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	10.0
4	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	10.0	27.0
5	0.0	0.0	0.0	45.0	45.0	1.0	0.0	12.0	10.0	10.0	0.0	0.0
6	0.0	10.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	8.0	3.0	0.0	0.0	0.0	2.0	0.0	0.0	10.0	5.0	0.0
8	0.0	2.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0
9	0.0	0.0	5.0	0.0	0.0	0.0	5.0	0.0	15.0	10.0	0.0	0.0
10	0.0	0.0	48.0	0.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	15.0	35.0	0.0
12	0.0	0.0	22.0	0.0	10.0	5.0	0.0	0.0	15.0	0.0	0.0	0.0
13	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0
14	0.0	0.0	8.0	9.0	3.0	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	0.0	0.0	0.0
16	0.0	0.0	2.0	0.0	0.0	0.0	36.0	0.0	10.0	15.0	0.0	0.0
17	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0
18	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	10.0	10.0	15.0	0.0
19	0.0	11.0	0.0	0.0	0.0	0.0	0.0	20.0	12.0	0.0	0.0	0.0
20	11.0	0.0	20.0	0.0	0.0	3.0	12.0	0.0	0.0	0.0	20.0	0.0
21	0.0	0.0	0.0	80.0	0.0	8.0	8.0	0.0	0.0	15.0	0.0	0.0
22	0.0	5.0	17.0	0.0	25.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
23	0.0	0.0	15.0	0.0	10.0	0.0	0.0	0.0	15.0	45.0	0.0	0.0
24	14.0	3.0	0.0	33.0	5.0	25.0	2.0	12.0	0.0	3.0	15.0	15.0
25	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	10.0
26	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	6.0	80.0	5.0	0.0	0.0	0.0	15.0	10.0	10.0	0.0	0.0
28	0.0	7.0	49.0	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	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	6.0	3.0	0.0	0.0	10.0	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	10.0
Total	43.0	60.0	371.0	184.0	184.0	47.0	65.0	142.0	105.0	178.0	148.0	167.0
D. Ll.	4	9	18	7	11	7	6	8	9	13	10	7

TOTALES ANUALES 1694.0 mm. 109 Días lluvia

ESTACION: BONANZA **MUNICIPIO:** GIRON **AÑO:** 1.989

ALTITUD: 1.250 **LATITUD:** 7°05' N. **LONGITUD:** 73°17' W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	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	15.0
2	0.0	0.0	0.0	0.0	0.0	4.0	2.0	0.0	7.0	17.0	64.0	0.0
3	13.0	0.0	0.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	39.0	11.0	0.0
5	7.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	0.0	10.0	0.0	3.0
6	0.0	0.0	8.0	0.0	100.0	4.0	0.0	0.0	0.0	0.0	3.0	0.0
7	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	15.0
9	0.0	0.0	10.0	6.0	0.0	0.0	0.0	0.0	7.0	0.0	11.0	0.0
10	0.0	0.0	78.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0
11	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	34.0	35.0	0.0	4.0
13	0.0	0.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	8.0	3.0	15.0	0.0	0.0	0.0
15	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0	0.0
16	0.0	0.0	35.0	0.0	12.0	0.0	0.0	0.0	0.0	5.0	36.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	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	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	10.0
20	0.0	0.0	15.0	146.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	15.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	10.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	81.0	0.0	0.0	12.0	0.0	0.0
24	0.0	2.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	20.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
27	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	10.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0
29	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	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	0.0
Total	22.0	27.0	305.0	207.0	144.0	32.0	97.0	27.0	110.0	144.0	169.0	55.0
D. Ll.	4	3	13	4	5	4	5	5	8	8	8	6

TOTALES ANUALES 1339.0 mm. 73 Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: CASA DE TEJA **MUNICIPIO:** SAN VICENTE **AÑO:** 1.989

ALTITUD: 73°08' **LATITUD:** 6-55 N. **LONGITUD:** 73-27 W

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	22.0	14.0	36.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	20.0	0.0
2	0.0	0.0	0.0	0.0	3.0	0.0	0.0	37.0	18.0	0.0	7.0	34.0
3	0.0	0.0	0.0	0.0	2.0	8.0	0.0	0.0	15.0	15.0	6.0	58.0
4	8.0	0.0	21.0	9.0	0.0	0.0	3.0	0.0	10.0	31.0	0.0	25.0
5	3.0	0.0	0.0	0.0	21.0	23.0	0.0	10.0	6.0	2.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	17.0	0.0	25.0	2.0	0.0	0.0	0.0
7	0.0	0.0	11.0	0.0	53.0	0.0	8.0	0.0	0.0	0.0	40.0	0.0
8	0.0	0.0	14.0	0.0	0.0	8.0	2.0	38.0	0.0	8.0	0.0	0.0
9	0.0	0.0	56.0	0.0	2.0	0.0	1.0	0.0	22.0	0.0	7.0	0.0
10	0.0	0.0	69.0	0.0	6.0	54.0	2.0	3.0	0.0	0.0	6.0	0.0
11	0.0	0.0	44.0	0.0	0.0	0.0	0.0	0.0	31.0	3.0	70.0	2.0
12	0.0	0.0	28.0	0.0	2.0	47.0	0.0	0.0	0.0	45.0	30.0	0.0
13	7.0	0.0	7.0	3.0	0.0	5.0	1.0	28.0	34.0	0.0	0.0	0.0
14	0.0	0.0	1.0	0.0	3.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
15	0.0	0.0	81.0	0.0	0.0	0.0	0.0	0.0	11.0	2.0	0.0	0.0
16	0.0	0.0	22.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	3.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
18	0.0	0.0	47.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.0	0.0
19	0.0	0.0	11.0	4.0	0.0	0.0	0.0	0.0	70.0	0.0	0.0	0.0
20	0.0	0.0	33.0	0.0	23.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
21	0.0	1.0	1.0	0.0	0.0	0.0	7.0	0.0	12.0	4.0	0.0	0.0
22	0.0	21.0	14.0	0.0	0.0	0.0	36.0	0.0	0.0	7.0	0.0	0.0
23	0.0	9.0	16.0	0.0	14.0	0.0	18.0	0.0	5.0	0.0	8.0	0.0
24	0.0	1.0	0.0	0.0	19.0	0.0	10.0	0.0	15.0	8.0	41.0	39.0
25	0.0	2.0	0.0	0.0	4.0	0.0	20.0	0.0	0.0	3.0	3.0	20.0
26	0.0	3.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	30.0	0.0	74.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0	4.0
28	0.0	4.0	40.0	0.0	6.0	0.0	0.0	52.0	12.0	0.0	0.0	0.0
29	0.0	0.0	1.0	50.0	4.0	0.0	0.0	5.0	0.0	5.0	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	38.0	0.0
31	0.0	0.0	16.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Total	40.0	55.0	569.0	66.0	162.0	192.0	112.0	213.0	273.0	170.0	284.0	256.0
D. Ll.	4	8	21	4	14	8	12	11	15	17	14	8

TOTALES ANUALES 2392.0 mm. 136 Días lluvia

ESTACION: CEYLAN **MUNICIPIO:** EUCARAMANGA **AÑO:** 1.989

ALTITUD: 1.300 **LATITUD:** 7-09 N. **LONGITUD:** 73-08 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.0	0.0	0.0	32.0	0.0	3.0	0.0	0.0	0.0	0.0	30.0	21.0
2	0.0	0.0	0.0	10.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0	2.0
3	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	10.0
4	8.0	0.0	0.0	25.0	1.0	0.0	8.0	0.0	0.0	7.0	0.0	94.0
5	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	9.0	0.0	18.0	0.0
6	0.0	0.0	0.0	0.0	0.0	23.0	0.0	5.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	30.0	0.0	3.0	0.0	0.0	1.0	6.0	0.0
8	0.0	0.0	0.0	4.0	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	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0
10	0.0	0.0	72.0	0.0	0.0	0.0	0.0	0.0	5.0	10.0	0.0	0.0
11	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0
13	0.0	0.0	59.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	9.0	0.0	0.0	0.0
17	0.0	0.0	47.0	0.0	0.0	0.0	0.0	0.0	34.0	17.0	0.0	0.0
18	0.0	0.0	6.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	5.0	10.0	0.0	0.0	0.0	0.0	2.0	3.0	0.0	0.0
20	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	0.0
21	0.0	0.0	0.0	16.0	10.0	3.0	25.0	0.0	16.0	0.0	0.0	0.0
22	0.0	0.0	32.0	0.0	7.0	0.0	0.0	3.0	20.0	37.0	0.0	0.0
23	0.0	0.0	1.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	10.0
24	0.0	0.0	3.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	25.0	76.0
25	0.0	0.0	0.0	0.0	12.0	3.0	0.0	3.0	0.0	0.0	0.0	13.0
26	0.0	0.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
27	0.0	0.0	19.0	0.0	3.0	0.0	0.0	11.0	3.0	3.0	0.0	0.0
28	0.0	0.0	49.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	4.0	0.0
29	0.0	0.0	0.0	8.0	24.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	29.0	1.0	0.0	0.0	0.0	0.0	4.0	4.0	0.0
31	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	21.0
Total	8.0	0.0	420.0	143.0	148.0	52.0	36.0	37.0	156.0	99.0	129.0	249.0
D. Ll.	1	0	16	11	11	6	3	7	10	11	9	9

TOTALES ANUALES 1477.0 mm 94 Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: LA LOMA — MUNICIPIO: FLORIDABLANCA — AÑO: 1.989

ALTITUD: 1.400 — LATITUD: 7-04 N. — LONGITUD: 73°06' W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.0	0.0	0.0	10.0	6.0	0.0	5.0	2.0	0.0	0.0	5.0	4.0
2	10.0	0.0	0.0	0.0	24.0	1.0	0.0	12.0	0.0	8.0	4.0	25.0
3	0.0	0.0	0.0	2.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	10.0
4	0.0	0.0	7.0	3.0	0.0	0.0	2.0	0.0	0.0	8.0	10.0	0.0
5	15.0	0.0	0.0	0.0	24.0	5.0	0.0	0.0	2.0	2.0	0.0	10.0
6	0.0	0.0	0.0	0.0	4.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0
7	0.0	0.0	4.0	0.0	8.0	0.0	28.0	0.0	1.0	0.0	4.0	0.0
8	2.0	0.0	3.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	5.0	0.0
9	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	22.0	5.0	0.0	0.0
10	0.0	0.0	25.0	0.0	40.0	3.0	0.0	4.0	0.0	20.0	15.0	0.0
11	0.0	0.0	27.0	0.0	0.0	0.0	0.0	3.0	5.0	15.0	0.0	0.0
12	0.0	0.0	12.0	0.0	0.0	0.0	1.0	7.0	0.0	2.0	10.0	5.0
13	0.0	0.0	0.0	0.0	14.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	12.0	0.0	4.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
15	0.0	0.0	20.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	2.0	0.0	0.0	0.0	2.0	11.0	8.0	0.0	1.0	0.0
17	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	20.0	8.0	0.0	0.0
18	11.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	12.0	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	12.0	0.0	2.0	2.0	4.0	0.0	4.0	0.0	0.0	0.0
21	0.0	3.0	0.0	6.0	0.0	10.0	8.0	0.0	0.0	0.0	2.0	0.0
22	0.0	0.0	30.0	0.0	6.0	4.0	0.0	2.0	0.0	0.0	0.0	0.0
23	0.0	4.0	0.0	4.0	2.0	8.0	1.0	0.0	0.0	2.0	0.0	5.0
24	0.0	0.0	0.0	0.0	33.0	20.0	0.0	0.0	0.0	0.0	0.0	8.0
25	0.0	0.0	20.0	0.0	9.0	0.0	3.0	0.0	2.0	5.0	14.0	3.0
26	0.0	0.0	2.0	34.0	0.0	6.0	0.0	5.0	0.0	0.0	0.0	0.0
27	0.0	15.0	0.0	0.0	6.0	0.0	0.0	0.0	6.0	0.0	0.0	4.0
28	0.0	0.0	20.0	0.0	2.0	0.0	2.0	3.0	11.0	10.0	0.0	0.0
29	0.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
31	0.0	0.0	10.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	15.0
Total	38.0	34.0	276.0	70.0	184.0	94.0	65.0	61.0	81.0	102.0	70.0	89.0
D. Ll.	4	4	18	8	15	11	12	11	10	14	10	10
TOTALES ANUALES							1164.0 mm.				127	Días lluvia

ESTACION: MIPORAL — MUNICIPIO: FLORIDABLANCA — AÑO: 1.989

ALTITUD: 1.200 — LATITUD: 7-04 N. — LONGITUD: 73-06 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.0	6.0	0.0	10.0	30.0	0.0	0.0	10.0	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	14.0	0.0	0.0	25.0	0.0	0.0	0.0			
5	0.0	0.0	0.0	0.0	40.0	0.0	0.0	0.0	5.0			
6	0.0	0.0	5.0	0.0	0.0	0.0	0.0	8.0	0.0			
7	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0			
8	0.0	0.0	13.0	0.0	0.0	10.0	10.0	10.0	0.0			
9	0.0	0.0	5.0	0.0	30.0	5.0	0.0	10.0	0.0			
10	0.0	0.0	40.0	0.0	0.0	0.0	0.0	10.0	10.0			
11	0.0	0.0	27.0	0.0	0.0	0.0	0.0	70.0	0.0			
12	0.0	0.0	5.0	0.0	0.0	20.0	0.0	0.0	0.0			
13	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0			
14	0.0	0.0	12.0	0.0	20.0	0.0	20.0	0.0	0.0			
15	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0			
16	7.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0			
17	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0			
18	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0			
19	0.0	3.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0			
20	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0			
21	0.0	0.0	0.0	0.0	0.0	10.0	60.0	0.0	0.0			
22	0.0	0.0	23.0	5.0	10.0	30.0	0.0	0.0	0.0			
23	0.0	0.0	5.0	20.0	30.0	0.0	0.0	0.0	0.0			
24	0.0	8.0	0.0	0.0	10.0	20.0	0.0	0.0	0.0			
25	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0			
26	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0			
27	0.0	4.0	0.0	5.0	10.0	0.0	0.0	0.0	0.0			
28	0.0	0.0	45.0	10.0	20.0	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	10.0	0.0	0.0	0.0	0.0	0.0			
31	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0			
Total	7.0	21.0	309.0	70.0	225.0	120.0	120.0	118.0	15.0			
D. Ll.	1	4	18	7	11	7	4	6	2			
TOTALES ANUALES							mm.					Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: VILLANUEVA **MUNICIPIO:** CHARALA **AÑO:** 1.989

ALTITUD: 1.450 **LATITUD:** 6-16 N. **LONGITUD:** 73°23' W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.0		0.0	12.0	4.0	0.0	4.0	38.0	40.0	0.0	8.0	0.0
2	8.0		12.0	71.0	0.0	0.0	0.0	0.0	14.0	12.0	14.0	18.0
3	0.0		8.0	14.0	12.0	12.0	0.0	4.0	6.0	4.0	0.0	22.0
4	0.0		0.0	0.0	8.0	84.0	2.0	12.0	48.0	0.0	28.0	0.0
5	4.0		4.0	2.0	0.0	0.0	8.0	4.0	16.0	6.0	0.0	12.0
6	18.0		36.0	12.0	4.0	0.0	0.0	0.0	0.0	32.0	22.0	0.0
7	0.0		0.0	0.0	22.0	0.0	0.0	0.0	8.0	6.0	20.0	0.0
8	0.0		12.0	0.0	4.0	2.0	0.0	8.0	4.0	0.0	4.0	0.0
9	6.0		4.0	6.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
10	0.0		8.0	0.0	0.0	12.0	0.0	0.0	2.0	0.0	20.0	0.0
11	0.0		2.0	26.0	6.0	0.0	0.0	2.0	84.0	18.0	6.0	18.0
12	0.0		22.0	0.0	6.0	0.0	0.0	0.0	0.0	4.0	20.0	0.0
13	10.0		6.0	10.0	0.0	4.0	12.0	0.0	18.0	0.0	10.0	0.0
14	0.0		72.0	0.0	0.0	22.0	0.0	6.0	4.0	10.0	0.0	22.0
15	0.0		0.0	8.0	0.0	0.0	4.0	2.0	0.0	48.0	0.0	0.0
16	6.0		6.0	38.0	2.0	0.0	0.0	0.0	0.0	8.0	36.0	0.0
17	0.0		36.0	0.0	12.0	6.0	42.0	6.0	22.0	4.0	24.0	0.0
18	0.0		12.0	6.0	0.0	0.0	0.0	0.0	0.0	8.0	18.0	12.0
19	12.0		0.0	0.0	0.0	0.0	0.0	4.0	18.0	18.0	4.0	32.0
20	0.0		8.0	12.0	0.0	0.0	10.0	0.0	4.0	22.0	0.0	8.0
21	0.0		4.0	8.0	0.0	2.0	0.0	0.0	26.0	4.0	44.0	0.0
22	4.0		0.0	0.0	42.0	18.0	0.0	4.0	8.0	0.0	12.0	0.0
23	6.0		0.0	0.0	0.0	0.0	0.0	2.0	6.0	52.0	28.0	0.0
24	0.0		54.0	12.0	0.0	4.0	14.0	90.0	10.0	20.0	12.0	0.0
25	0.0		0.0	0.0	0.0	0.0	0.0	4.0	4.0	14.0	16.0	44.0
26	0.0		0.0	8.0	12.0	0.0	18.0	0.0	6.0	4.0	0.0	0.0
27	4.0		4.0	0.0	0.0	0.0	0.0	2.0	66.0	36.0	18.0	8.0
28	0.0		0.0	0.0	6.0	2.0	12.0	0.0	20.0	8.0	6.0	6.0
29	0.0		44.0	2.0	4.0	0.0	0.0	4.0	10.0	26.0	0.0	0.0
30	0.0		36.0	0.0	2.0	0.0	2.0	0.0	4.0	10.0	4.0	0.0
31	0.0		4.0	0.0	0.0	0.0	2.0	6.0	0.0	12.0	0.0	0.0
Total	78.0		394.0	247.0	146.0	168.0	140.0	198.0	448.0	386.0	374.0	202.0
D. LL.	10		21	16	15	11	13	17	24	24	22	11
TOTALES ANUALES								mm.				Dias lluvia

ESTACION: SEVILLA **MUNICIPIO:** GUADALUPE **AÑO:** 1.989

ALTITUD: 1.390 **LATITUD:** 6°14' N. **LONGITUD:** 73°10' W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	9.0	15.0	45.0	20.0	15.0	0.0	0.0	10.0	2.0	8.0	3.0	13.0
2	1.0	8.0	5.0	0.0	0.0	10.0	19.0	7.5	5.0	26.0	6.0	23.0
3	2.0	4.0	35.0	0.0	13.0	6.0	0.0	2.5	3.0	3.0	10.0	0.0
4	0.0	19.0	0.0	5.0	18.0	4.0	0.0	19.0	4.0	3.0	11.0	28.0
5	0.0	10.0	20.0	0.0	8.0	0.0	6.0	1.0	5.5	1.0	20.0	2.0
6	0.0	0.0	10.0	10.0	14.0	5.0	0.0	5.0	0.0	0.0	0.0	31.0
7	0.0	9.0	0.0	20.0	12.0	3.0	2.0	4.6	2.0	1.0	5.0	0.0
8	0.0	0.0	10.0	0.0	5.0	9.0	25.0	22.0	30.0	3.0	0.0	2.0
9	0.0	15.0	20.0	1.0	0.0	2.0	0.0	4.5	6.0	11.0	0.0	0.0
10	0.0	5.0	3.0	12.0	10.0	10.0	0.0	4.0	15.0	2.0	0.0	0.0
11	0.0	0.0	15.0	15.0	6.0	13.0	0.0	35.0	36.0	14.0	27.0	2.0
12	0.0	0.0	12.0	0.0	3.0	4.0	0.0	1.0	2.0	35.0	22.0	0.0
13	0.0	15.0	45.0	0.0	1.0	2.0	0.0	5.0	9.0	10.0	12.0	0.0
14	16.0	10.0	5.0	50.0	2.0	5.0	0.0	0.0	1.0	12.0	10.0	0.0
15	15.0	3.0	0.0	0.0	5.0	0.0	0.0	5.0	5.0	4.0	1.0	0.0
16	0.0	0.0	35.0	21.0	0.0	0.0	1.0	2.0	6.0	28.0	0.0	0.0
17	0.0	0.0	10.0	49.0	0.0	0.0	4.0	0.0	2.0	30.0	30.0	0.0
18	25.0	5.0	0.0	5.0	0.0	10.0	0.0	2.0	59.0	4.0	85.0	0.0
19	50.0	0.0	10.0	2.0	0.0	11.0	31.0	1.0	3.0	30.0	0.0	0.0
20	0.0	8.0	0.0	0.0	1.0	0.0	0.0	2.0	20.0	6.0	0.0	0.0
21	10.0	10.0	19.0	0.0	0.0	25.0	16.0	0.0	5.0	9.0	10.0	0.0
22	0.0	5.0	10.0	9.0	9.0	22.0	0.0	4.5	9.0	10.0	12.0	0.0
23	0.0	0.0	0.0	5.0	20.0	19.0	25.0	0.0	12.0	1.0	7.0	0.0
24	0.0	30.0	0.0	2.0	3.0	14.0	0.0	0.0	7.0	19.0	20.0	0.0
25	0.0	0.0	0.0	10.0	5.0	5.0	9.0	8.0	11.0	23.0	10.0	5.0
26	5.0	6.0	0.0	0.0	1.0	1.0	0.0	20.0	7.0	15.0	0.0	10.0
27	2.0	4.0	2.0	2.0	0.0	3.0	10.0	4.0	7.0	8.0	2.0	5.0
28	0.0	51.0	1.0	5.0	12.0	0.0	5.0	3.0	10.0	8.0	0.0	0.0
29	1.0	0.0	0.0	0.0	15.0	0.0	0.0	13.0	6.0	0.0	0.0	0.0
30	6.0	0.0	0.0	6.0	0.0	25.0	12.0	9.0	7.0	5.0	28.0	0.0
31	0.0	0.0	0.0	0.0	1.0	0.0	2.0	5.0	0.0	4.0	0.0	0.0
Total	142.0	232.0	312.0	249.0	179.0	208.0	167.0	199.6	296.5	333.0	331.0	121.0
D. LL.	12	19	19	19	22	22	14	26	29	29	20	10
TOTALES ANUALES							2770.1 mm				241	Dias lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: CHOCHOS **MUNICIPIO:** PATO **AÑO:** 1.989

ALTITUD: 1.400 **LATITUD:** 6°33' N. **LONGITUD:** 73°19' W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	40.0	0.0	0.0	0.0	50.0	0.0	2.0	0.0	3.0	0.0	0.0	61.0
2	0.0	0.0	0.0	3.0	16.0	6.0	0.0	0.0	41.0	0.0	0.0	27.0
3	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
4	0.0	1.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	6.0
5	0.0	0.0	0.0	0.0	0.0	3.0	6.0	38.0	32.0	0.0	20.0	34.0
6	0.0	2.0	0.0	0.0	0.0	0.0	5.0	0.0	49.0	0.0	0.0	0.0
7	6.0	32.0	2.0	1.0	0.0	0.0	48.0	23.0	0.0	4.0	0.0	0.0
8	0.0	0.0	11.0	0.0	39.0	0.0	6.0	10.0	2.0	18.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	15.0	2.0	7.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	4.0	0.0	0.0	4.0	18.0	11.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	1.0	6.0	0.0	34.0	20.0	12.0	0.0
12	0.0	7.0	0.0	0.0	72.0	0.0	0.0	22.0	78.0	0.0	7.0	0.0
13	0.0	8.0	16.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	2.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	7.0	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	7.0	0.0	19.0	0.0	0.0	0.0	2.0	0.0	14.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.0	10.0	0.0	0.0
18	4.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0	20.0	0.0	0.0	0.0
19	19.0	4.0	0.0	0.0	0.0	3.0	3.0	17.0	0.0	0.0	0.0	0.0
20	0.0	0.0	7.0	0.0	1.0	0.0	1.0	0.0	22.0	12.0	14.0	0.0
21	4.0	0.0	0.0	0.0	0.0	3.0	5.0	15.0	30.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	18.0	0.0	0.0	27.0	7.0	2.0	0.0	0.0
23	4.0	4.0	0.0	0.0	0.0	21.0	27.0	3.0	0.0	10.0	0.0	0.0
24	0.0	2.0	0.0	4.0	0.0	0.0	0.0	7.0	0.0	14.0	11.0	15.0
25	0.0	27.0	0.0	0.0	12.0	0.0	0.0	2.0	0.0	3.0	0.0	0.0
26	0.0	3.0	0.0	0.0	1.0	0.0	0.0	0.0	18.0	10.0	0.0	0.0
27	0.0	0.0	0.0	31.0	9.0	0.0	0.0	10.0	47.0	0.0	0.0	0.0
28	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	10.0	0.0	0.0
29	0.0	0.0	5.0	4.0	12.0	0.0	23.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	9.0	2.0	0.0	0.0	27.0	18.0	0.0	0.0
31	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
Total	86.0	59.0	79.0	43.0	251.0	72.0	136.0	185.0	525.0	180.0	64.0	143.0
D. LL.	8	12	8	5	14	9	13	13	19	16	5	5

TOTALES ANUALES 1863.0 mm. 127 Días lluvia

ESTACION: LAS FLORES **MUNICIPIO:** PINCHOTE **AÑO:** 1.989

ALTITUD: 1.700 **LATITUD:** 6°29' N. **LONGITUD:** 73°11' W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	20.0	0.0	0.0	0.0	4.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
2	1.0	1.0	0.0	0.0	0.0	13.0	1.0	2.0	0.0	10.0	5.0	17.0
3	0.0	0.0	0.0	0.0	17.0	0.0	0.0	0.0	5.0	27.0	0.0	9.0
4	0.0	0.0	0.0	1.0	0.0	4.0	2.0	0.0	0.0	39.0	0.0	0.0
5	0.0	1.0	0.0	0.0	0.0	8.0	3.0	8.0	0.0	3.0	0.0	10.0
6	0.0	2.0	0.0	12.0	25.0	3.0	6.0	0.0	0.0	0.0	0.0	0.0
7	0.0	9.0	0.0	0.0	11.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	10.0	0.0	30.0	36.0	7.0	4.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	2.0	9.0	14.0	2.0	0.0	0.0
10	0.0	0.0	3.0	0.0	3.0	4.0	0.0	6.0	5.0	5.0	0.0	0.0
11	0.0	0.0	5.0	0.0	0.0	17.0	0.0	12.0	19.0	0.0	0.0	0.0
12	0.0	0.0	2.0	0.0	28.0	0.0	0.0	29.0	11.0	6.0	0.0	0.0
13	3.0	0.0	0.0	0.0	6.0	4.0	0.0	0.0	3.0	8.0	0.0	0.0
14	5.0	0.0	0.0	0.0	7.0	0.0	0.0	5.0	0.0	0.0	12.0	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	18.0	0.0	0.0	0.0	2.0	0.0	8.0	0.0	0.0	0.0
17	16.0	0.0	5.0	0.0	0.0	0.0	2.0	0.0	10.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	2.0	0.0	0.0	0.0
19	3.0	0.0	0.0	0.0	0.0	17.0	3.0	16.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	11.0	12.0	0.0	45.0	0.0	8.0	0.0
22	0.0	0.0	0.0	8.0	12.0	4.0	8.0	30.0	0.0	0.0	0.0	0.0
23	0.0	20.0	0.0	5.0	2.0	7.0	0.0	5.0	0.0	15.0	0.0	0.0
24	1.0	14.0	0.0	35.0	3.0	0.0	0.0	22.0	0.0	6.0	17.0	0.0
25	0.0	9.0	2.0	1.0	12.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0
26	0.0	2.0	0.0	42.0	9.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0
28	0.0	1.0	41.0	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	3.0	6.0	0.0	7.0	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	8.0	28.0	6.0	10.0	0.0
31	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0
Total	49.0	59.0	84.0	109.0	165.0	125.0	93.0	201.0	157.0	167.0	52.0	36.0
D. LL.	7	9	8	9	16	13	15	15	12	14	5	3

TOTALES ANUALES 1297.0 mm. 126 Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: CIELO ROTO — MUNICIPIO: SUAITA — AÑO: 1.989

ALTITUD: 1.540 — LATITUD: 6-07 N. — LONGITUD: 73-28 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	4.0	15.0	40.0	30.0	5.0	0.0	4.0	0.0	1.0	0.0	3.0	4.0
2	1.0	7.0	0.0	2.0	0.0	10.0	0.0	3.0	0.0	0.0	2.0	3.0
3	9.0	5.0	0.0	20.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	2.0
4	1.0	11.0	5.0	5.0	20.0	0.0	13.0	7.0	10.0	5.0	6.0	0.0
5	7.0	8.0	0.0	10.0	10.0	12.0	8.0	15.0	7.0	10.0	0.0	1.0
6	2.0	10.0	0.0	3.0	0.0	6.0	12.0	5.0	13.0	7.0	5.0	0.0
7	1.0	5.0	0.0	27.0	0.0	34.0	6.0	0.0	7.0	3.0	7.0	0.0
8	0.0	10.0	3.0	5.0	10.0	8.0	4.0	0.0	1.0	15.0	12.0	0.0
9	0.0	0.0	5.0	7.0	5.0	20.0	0.0	22.0	2.0	6.0	4.0	0.0
10	0.0	5.0	3.0	0.0	12.0	0.0	0.0	5.0	10.0	2.0	0.0	0.0
11	0.0	0.0	40.0	0.0	1.0	0.0	0.0	3.0	0.0	6.0	0.0	0.0
12	0.0	5.0	25.0	23.0	5.0	10.0	0.0	5.0	11.0	1.0	3.0	0.0
13	0.0	10.0	50.0	0.0	0.0	0.0	0.0	4.0	0.0	3.0	7.0	0.0
14	2.0	0.0	5.0	0.0	42.0	0.0	0.0	3.0	0.0	4.0	0.0	0.0
15	0.0	19.0	30.0	12.0	15.0	4.0	5.0	25.0	6.0	17.0	10.0	0.0
16	9.0	2.0	27.0	18.0	5.0	0.0	4.0	10.0	4.0	20.0	3.0	0.0
17	0.0	4.0	3.0	0.0	0.0	12.0	3.0	5.0	0.0	32.0	0.0	0.0
18	14.0	3.0	2.0	0.0	0.0	1.0	15.0	0.0	3.0	38.0	0.0	0.0
19	0.0	2.0	0.0	3.0	10.0	5.0	6.0	30.0	34.0	15.0	6.0	0.0
20	25.0	16.0	0.0	0.0	12.0	20.0	15.0	10.0	10.0	30.0	4.0	0.0
21	1.0	7.0	0.0	4.0	8.0	10.0	2.0	25.0	25.0	0.0	2.0	0.0
22	3.0	11.0	0.0	0.0	0.0	15.0	3.0	3.0	0.0	15.0	5.0	2.0
23	0.0	0.0	5.0	3.0	10.0	5.0	1.0	0.0	0.0	8.0	0.0	0.0
24	5.0	0.0	0.0	1.0	0.0	0.0	6.0	2.0	20.0	7.0	0.0	5.0
25	2.0	3.0	0.0	0.0	0.0	3.0	5.0	13.0	2.0	0.0	2.0	0.0
26	15.0	9.0	3.0	6.0	0.0	2.0	0.0	10.0	13.0	5.0	0.0	2.0
27	0.0	6.0	12.0	0.0	4.0	0.0	17.0	2.0	2.0	10.0	5.0	3.0
28	5.0	3.0	5.0	0.0	0.0	0.0	6.0	23.0	30.0	13.0	10.0	1.0
29	3.0	0.0	0.0	0.0	0.0	10.0	4.0	2.0	4.0	20.0	0.0	0.0
30	0.0	0.0	0.0	0.0	4.0	3.0	0.0	10.0	7.0	10.0	2.0	0.0
31	3.0	0.0	3.0	0.0	0.0	0.0	10.0	2.0	0.0	0.0	0.0	0.0
Total	109.0	176.0	266.0	179.0	178.0	190.0	149.0	244.0	237.0	302.0	98.0	23.0
D. Ll.	19	23	18	17	17	19	21	25	23	25	19	9
TOTALES ANUALES							2151.0 mm.				235	Días lluvia

ESTACION: CITE — MUNICIPIO: BARBOSA — AÑO: 1.989

ALTITUD: 1.600 — LATITUD: 5-59 N. — LONGITUD: 73-36 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.0	0.0	0.0	0.0	5.0	0.0	0.0					
2	0.0	0.0	0.0	0.0	0.0	10.0	0.0					
3	0.0	0.0	5.0	0.0	5.0	0.0	0.0					
4	0.0	0.0	10.0	0.0	0.0	0.0	10.0					
5	0.0	0.0	0.0	5.0	6.0	5.0	0.0					
6	0.0	0.0	0.0	0.0	5.0	0.0	5.0					
7	0.0	0.0	0.0	0.0	10.0	0.0	0.0					
8	0.0	0.0	3.0	0.0	0.0	20.0	5.0					
9	0.0	0.0	0.0	0.0	5.0	0.0	0.0					
10	0.0	0.0	5.0	5.0	5.0	0.0	1.0					
11	5.0	0.0	0.0	0.0	10.0	10.0	5.0					
12	0.0	10.0	0.0	0.0	0.0	0.0	10.0					
13	0.0	0.0	0.0	0.0	0.0	5.0	0.0					
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
15	0.0	0.0	0.0	10.0	0.0	4.0	5.0					
16	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	20.0	10.0					
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
19	0.0	0.0	10.0	5.0	20.0	5.0	5.0					
20	0.0	0.0	0.0	0.0	0.0	5.0	5.0					
21	5.0	5.0	0.0	2.0	0.0	0.0	10.0					
22	0.0	0.0	5.0	0.0	10.0	10.0	0.0					
23	0.0	0.0	0.0	3.0	0.0	0.0	10.0					
24	0.0	0.0	0.0	0.0	0.0	5.0	5.0					
25	0.0	0.0	0.0	5.0	20.0	0.0	5.0					
26	5.0	0.0	5.0	0.0	0.0	10.0	0.0					
27	0.0	4.0	0.0	5.0	0.0	0.0	5.0					
28	0.0	0.0	0.0	0.0	0.0	1.0	0.0					
29	0.0	0.0	5.0	10.0	0.0	5.0	0.0					
30	0.0	0.0	0.0	10.0	5.0	10.0	5.0					
31	1.0	0.0	5.0	0.0	5.0	0.0	0.0					
Total	16.0	19.0	53.0	60.0	111.0	125.0	101.0					
D. Ll.		3	9	10	13	15	16					
TOTALES ANUALES							mm.					Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: BUENAVISTA **MUNICIPIO:** BARBOSA **AÑO:** 1.989

ALTITUD: 1.850 **LATITUD:** 5-59 N. **LONGITUD:** 73-39 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	5.0	0.0	2.0	1.0	6.0	8.0	5.0	3.0	7.0	10.0	8.0	
2	0.0	10.0	6.0	0.0	10.0	5.0	9.0	0.0	9.0	6.0	1.0	
3	0.0	4.0	0.0	3.0	5.0	1.0	7.0	7.0	4.0	0.0	6.0	
4	5.0	3.0	9.0	0.0	10.0	9.0	0.0	4.0	9.0	1.0	0.0	
5	0.0	0.0	4.0	8.0	8.0	8.0	0.0	1.0	7.0	7.0	0.0	
6	0.0	0.0	0.0	4.0	0.0	5.0	0.0	0.0	10.0	5.0	0.0	
7	0.0	0.0	4.0	5.0	6.0	9.0	9.0	0.0	9.0	4.0	0.0	
8	0.0	0.0	5.0	3.0	1.0	8.0	8.0	9.0	5.0	6.0	0.0	
9	0.0	4.0	0.0	0.0	0.0	3.0	1.0	0.0	0.0	1.0	0.0	
10	0.0	0.0	4.0	0.0	1.0	7.0	0.0	7.0	7.0	0.0	0.0	
11	0.0	0.0	0.0	0.0	1.0	4.0	0.0	5.0	10.0	12.0	0.0	
12	0.0	4.0	5.0	6.0	2.0	2.0	0.0	2.0	6.0	5.0	0.0	
13	0.0	5.0	4.0	10.0	4.0	2.0	0.0	0.0	9.0	0.0	0.0	
14	9.0	0.0	3.0	6.0	0.0	0.0	0.0	10.0	10.0	0.0	0.0	
15	5.0	4.0	2.0	0.0	9.0	0.0	0.0	7.0	7.0	6.0	0.0	
16	3.0	0.0	4.0	4.0	0.0	0.0	0.0	6.0	5.0	5.0	0.0	
17	0.0	3.0	0.0	5.0	4.0	3.0	0.0	0.0	0.0	4.0	0.0	
18	0.0	7.0	5.0	0.0	7.0	5.0	3.0	8.0	0.0	7.0	6.0	
19	4.0	0.0	6.0	0.0	11.0	0.0	7.0	6.0	7.0	0.0	10.0	
20	7.0	4.0	4.0	0.0	0.0	1.0	6.0	5.0	11.0	1.0	7.0	
21	5.0	0.0	9.0	0.0	0.0	4.0	4.0	4.0	6.0	10.0	6.0	
22	6.0	0.0	7.0	4.0	8.0	0.0	1.0	12.0	12.0	8.0	0.0	
23	3.0	7.0	5.0	5.0	4.0	0.0	0.0	7.0	10.0	10.0	11.0	
24	8.0	0.0	0.0	3.0	0.0	0.0	4.0	10.0	0.0	6.0	8.0	
25	5.0	5.0	0.0	5.0	5.0	10.0	12.0	6.0	9.0	4.0	7.0	
26	3.0	4.0	0.0	7.0	4.0	7.0	6.0	9.0	11.0	0.0	10.0	
27	0.0	0.0	0.0	0.0	2.0	9.0	5.0	6.0	7.0	9.0	9.0	
28	2.0	0.0	2.0	8.0	9.0	1.0	0.0	5.0	1.0	7.0	0.0	
29	9.0	0.0	3.0	6.0	0.0	6.0	4.0	4.0	0.0	6.0	11.0	
30	0.0	0.0	0.0	0.0	0.0	6.0	8.0	10.0	6.0	8.0	0.0	
31	5.0	0.0	2.0	0.0	0.0	0.0	0.0	5.0	0.0	7.0	0.0	
Total	84.0	64.0	95.0	93.0	117.0	123.0	99.0	158.0	194.0	155.0	100.0	
D. Ll.	16	13	21	18	21	23	17	25	25	25	13	
TOTALES ANUALES							mm.					Días lluvia

ESTACION: LA CUMBRE **MUNICIPIO:** PUENTE NACIONAL **AÑO:** 1.989

ALTITUD: 1.650 **LATITUD:** 5-53 N. **LONGITUD:** 73-43 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	20.0	2.0	1.0	19.0	3.0	0.0	0.0	0.0	8.0	10.0	40.0	
2	0.0	4.0	38.0	5.0	28.0	8.0	0.0	0.0	10.0	5.0	21.0	
3	0.0	3.0	0.0	6.0	1.0	0.0	0.0	0.0	0.0	2.0	3.0	
4	0.0	0.0	24.0	25.0	25.0	5.0	0.0	0.0	0.0	0.0	0.0	
5	0.0	0.0	0.0	5.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	
6	0.0	0.0	0.0	8.0	25.0	15.0	0.0	0.0	5.0	4.0	16.0	
7	0.0	2.0	1.0	25.0	34.0	0.0	0.0	20.0	20.0	10.0	0.0	
8	0.0	0.0	0.0	28.0	16.0	0.0	0.0	13.0	0.0	0.0	0.0	
9	0.0	0.0	0.0	27.0	3.0	10.0	0.0	0.0	10.0	5.0	0.0	
10	20.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	7.0	40.0	0.0	
11	10.0	0.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	
12	0.0	6.0	21.0	30.0	4.0	18.0	0.0	0.0	10.0	0.0	20.0	
13	0.0	2.0	22.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	
14	4.0	0.0	7.0	3.0	6.0	4.0	0.0	0.0	0.0	35.0	0.0	
15	2.0	0.0	0.0	14.0	4.0	2.0	0.0	0.0	0.0	10.0	8.0	
16	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	40.0	
17	7.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	
18	0.0	10.0	0.0	0.0	15.0	0.0	0.0	3.0	20.0	0.0	0.0	
19	0.0	5.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	10.0	3.0	
20	5.0	0.0	0.0	0.0	0.0	3.0	4.0	10.0	0.0	0.0	0.0	
21	0.0	2.0	0.0	5.0	0.0	15.0	6.0	0.0	32.0	0.0	0.0	
22	12.0	0.0	26.0	11.0	1.0	7.0	0.0	0.0	10.0	35.0	0.0	
23	20.0	0.0	0.0	15.0	0.0	12.0	0.0	0.0	5.0	0.0	0.0	
24	18.0	0.0	12.0	2.0	10.0	0.0	0.0	30.0	22.0	0.0	0.0	
25	20.0	3.0	0.0	23.0	6.0	0.0	10.0	0.0	10.0	10.0	0.0	
26	10.0	12.0	0.0	3.0	0.0	10.0	0.0	8.0	5.0	5.0	0.0	
27	0.0	8.0	0.0	0.0	3.0	0.0	0.0	0.0	7.0	43.0	3.0	
28	0.0	0.0	0.0	3.0	7.0	0.0	0.0	25.0	5.0	10.0	18.0	
29	0.0	0.0	0.0	2.0	0.0	0.0	10.0	40.0	3.0	7.0	15.0	
30	0.0	0.0	0.0	0.0	8.0	0.0	0.0	15.0	0.0	0.0	0.0	
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	
Total	163.0	59.0	155.0	264.0	217.0	126.0	30.0	170.0	189.0	255.0	202.0	
D. Ll.	13	12	10	22	20	14	4	10	17	18		
TOTALES ANUALES							mm.					Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: PALOCABILDO **MUNICIPIO:** FALAN **AÑO:** 1.989

ALTITUD: 1.500 **LATITUD:** 5-08 N. **LONGITUD:** 74-57 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	73.0	7.0	0.0	0.0	51.0	0.0	29.0	0.0	7.0	31.0	30.0	14.0
2	3.0	35.0	3.0	16.0	0.0	27.0	0.0	0.0	0.0	47.0	17.0	5.0
3	0.0	13.0	20.0	32.0	0.0	0.0	0.0	9.0	31.0	0.0	4.0	1.0
4	4.0	4.0	11.0	7.0	0.0	3.0	0.0	0.0	0.0	4.0	7.0	8.0
5	0.0	5.0	0.0	0.0	4.0	0.0	0.0	8.0	3.0	57.0	3.0	38.0
6	5.0	0.0	5.0	0.0	0.0	79.0	0.0	0.0	11.0	37.0	6.0	0.0
7	0.0	45.0	5.0	3.0	27.0	1.0	0.0	0.0	5.0	0.0	33.0	0.0
8	4.0	12.0	12.0	11.0	12.0	0.0	0.0	8.0	0.0	0.0	73.0	0.0
9	0.0	0.0	5.0	4.0	11.0	0.0	0.0	0.0	6.0	4.0	63.0	51.0
10	5.0	10.0	4.0	0.0	5.0	0.0	0.0	10.0	0.0	14.0	9.0	5.0
11	0.0	0.0	0.0	24.0	9.0	5.0	0.0	0.0	0.0	37.0	52.0	11.0
12	11.0	29.0	8.0	6.0	7.0	0.0	0.0	20.0	12.0	5.0	5.0	0.0
13	4.0	19.0	6.0	0.0	0.0	0.0	0.0	5.0	20.0	25.0	0.0	0.0
14	0.0	2.0	20.0	11.0	0.0	0.0	0.0	0.0	10.0	10.0	1.0	0.0
15	4.0	0.0	30.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0
16	50.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	33.0	0.0
17	6.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	2.0	0.0
18	9.0	13.0	55.0	10.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
19	4.0	4.0	17.0	5.0	0.0	0.0	17.0	5.0	14.0	0.0	0.0	0.0
20	2.0	0.0	5.0	15.0	0.0	1.0	0.0	0.0	7.0	3.0	31.0	9.0
21	20.0	0.0	0.0	71.0	0.0	0.0	3.0	10.0	35.0	22.0	0.0	0.0
22	2.0	7.0	2.0	0.0	0.0	40.0	5.0	9.0	11.0	0.0	31.0	2.0
23	0.0	28.0	9.0	6.0	0.0	0.0	4.0	7.0	4.0	30.0	0.0	0.0
24	0.0	1.0	2.0	10.0	37.0	10.0	4.0	0.0	3.0	26.0	0.0	0.0
25	25.0	50.0	6.0	0.0	7.0	10.0	9.0	0.0	13.0	10.0	0.0	21.0
26	75.0	5.0	34.0	2.0	5.0	3.0	0.0	6.0	10.0	4.0	0.0	7.0
27	5.0	0.0	10.0	4.0	0.0	30.0	0.0	2.0	55.0	0.0	0.0	44.0
28	10.0	0.0	8.0	0.0	16.0	0.0	0.0	22.0	17.0	0.0	0.0	15.0
29	4.0	0.0	0.0	108.0	0.0	1.0	0.0	0.0	3.0	5.0	19.0	8.0
30	0.0	0.0	0.0	0.0	0.0	0.0	4.0	3.0	0.0	30.0	0.0	0.0
31	4.0	0.0	10.0	0.0	0.0	0.0	33.0	0.0	0.0	0.0	0.0	0.0
Total	329.0	289.0	310.0	345.0	193.0	210.0	108.0	124.0	277.0	455.0	433.0	239.0
D. Ll.	22	18	25	18	13	12	9	14	20	22	19	15

TOTALES ANUALES 3312.0 mm. 207 Dias lluvia

ESTACION: LA DANTA **MUNICIPIO:** CASABIANCA **AÑO:** 1.989

ALTITUD: 1.700 **LATITUD:** 5-06 N. **LONGITUD:** 75-06 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1			3.0	1.0	45.0	0.0	2.0	0.0	0.0		6.0	
2			9.0	0.0	3.0	90.0	30.0	21.0	0.0		15.0	
3			4.0	5.0	0.0	1.0	0.0	0.0	55.0		0.0	
4			12.0	15.0	0.0	0.0	0.0	6.0	0.0		2.0	
5			7.0	1.0	15.0	0.0	0.0	0.0	0.0		15.0	
6			9.0	0.0	0.0	60.0	0.0	0.0	15.0		10.0	
7			10.0	4.0	12.0	15.0	0.0	0.0	15.0		40.0	
8			0.0	10.0	30.0	0.0	0.0	2.0	0.0		34.0	
9			6.0	1.0	13.0	0.0	0.0	30.0	10.0		4.0	
10			10.0	6.0	7.0	0.0	0.0	5.0	26.0		15.0	
11			2.0	3.0	4.0	10.0	0.0	0.0	0.0		10.0	
12			6.0	10.0	0.0	0.0	0.0	16.0	66.0		6.0	
13			3.0	3.0	7.0	2.0	0.0	6.0	30.0		0.0	
14			31.0	10.0	0.0	0.0	0.0	0.0	20.0		0.0	
15			12.0	8.0	0.0	0.0	0.0	0.0	0.0		24.0	
16			57.0	64.0	0.0	0.0	0.0	0.0	0.0		34.0	
17			1.0	0.0	0.0	0.0	0.0	0.0	0.0		3.0	
18			0.0	83.0	0.0	4.0	0.0	0.0	0.0		0.0	
19			62.0	4.0	6.0	0.0	5.0	0.0	20.0		0.0	
20			26.0	10.0	1.0	9.0	0.0	4.0	6.0		0.0	
21			11.0	2.0	0.0	20.0	1.0	40.0	30.0		15.0	
22			3.0	0.0	0.0	2.0	0.0	6.0	2.0		0.0	
23			26.0	3.0	1.0	30.0	4.0	2.0	20.0		1.0	
24			1.0	0.0	43.0	10.0	0.0	6.0	18.0		0.0	
25			0.0	10.0	10.0	3.0	7.0	0.0	10.0		0.0	
26			6.0	3.0	10.0	2.0	0.0	2.0	3.0		0.0	
27			8.0	15.0	0.0	29.0	0.0	1.0	40.0		0.0	
28			20.0	0.0	14.0	0.0	0.0	35.0	26.0		7.0	
29			1.0	31.0	0.0	9.0	6.0	39.0	0.0		1.0	
30			6.0	0.0	0.0	2.0	0.0	0.0	0.0		0.0	
31			4.0	0.0	0.0	0.0	32.0	0.0	0.0		0.0	
Total			356.0	302.0	221.0	298.0	87.0	221.0	412.0		242.0	
D. Ll.			28	23	16	17	8	16	18		18	

mm. Dias lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: LA MESA **MUNICIPIO:** MARIQUITA **AÑO:** 1.989

ALTITUD: 1.200 **LATITUD:** 5-11 N. **LONGITUD:** 74-53 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.0	0.0	0.0	0.0	5.0	0.0	40.0	0.0	5.0		0.0	40.0
2	5.0	5.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0		5.0	25.0
3	10.0	10.0	5.0	0.0	0.0	5.0	0.0	0.0	0.0		0.0	0.0
4	30.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0		0.0	47.0
5	5.0	0.0	5.0	0.0	5.0	0.0	5.0	5.0	0.0		0.0	65.0
6	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0		60.0	0.0
7	0.0	15.0	5.0	0.0	95.0	5.0	0.0	0.0	0.0		40.0	0.0
8	0.0	20.0	10.0	5.0	0.0	0.0	0.0	55.0	0.0		0.0	0.0
9	0.0	0.0	40.0	0.0	50.0	0.0	0.0	0.0	10.0		0.0	90.0
10	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0	0.0		10.0	10.0
11	55.0	0.0	0.0	35.0	0.0	0.0	0.0	30.0	0.0		0.0	5.0
12	5.0	20.0	5.0	5.0	0.0	20.0	0.0	20.0	0.0		10.0	2.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0		0.0	5.0
14	0.0	0.0	5.0	15.0	0.0	0.0	0.0	0.0	15.0		0.0	0.0
15	0.0	10.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0		20.0	0.0
16	0.0	0.0	90.0	10.0	0.0	3.0	0.0	0.0	0.0		0.0	0.0
17	35.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0		20.0	0.0
18	25.0	0.0	75.0	35.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0
19	20.0	5.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0		45.0	0.0
20	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0		70.0	0.0
21	45.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0		5.0	0.0
22	0.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	20.0		30.0	0.0
23	0.0	40.0	0.0	10.0	0.0	42.0	0.0	0.0	10.0		0.0	25.0
24	10.0	10.0	0.0	0.0	45.0	0.0	5.0	0.0	40.0		0.0	0.0
25	40.0	30.0	10.0	0.0	5.0	45.0	0.0	0.0	10.0		0.0	10.0
26	10.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0		0.0	0.0
27	0.0	0.0	55.0	0.0	0.0	0.0	0.0	0.0	5.0		0.0	5.0
28	20.0	0.0	5.0	0.0	0.0	50.0	0.0	30.0	15.0		5.0	65.0
29	0.0	0.0	0.0	55.0	0.0	0.0	30.0	0.0	0.0		0.0	15.0
30	0.0	0.0	5.0	0.0	0.0	0.0	25.0	5.0	0.0		0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0		0.0	15.0
Total	315.0	195.0	330.0	205.0	210.0	205.0	145.0	160.0	175.0	0.0	320.0	424.0
D. LL.	14	12	15	10	7	10	7	8	13	0	12	15

TOTALES ANUALES 2684.0 mm. 123 Días lluvia

ESTACION: LA CIMARRONA **MUNICIPIO:** FRESNO **AÑO:** 1.989

ALTITUD: 1.400 **LATITUD:** 5-10 N. **LONGITUD:** 75-00 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.0	13.0	0.0	5.0	1.0	67.0	8.0	0.0	0.0	54.0	11.0	15.0
2	0.0	45.0	3.0	17.0	0.0	4.0	0.0	15.0	32.0	0.0	3.0	4.0
3	4.0	19.0	40.0	26.0	1.0	0.0	0.0	0.0	0.0	40.0	10.0	27.0
4	3.0	0.0	2.0	0.0	4.0	5.0	0.0	3.0	2.0	0.0	0.0	35.0
5	1.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	5.0	18.0	5.0	0.0
6	1.0	0.0	3.0	0.0	45.0	19.0	0.0	0.0	0.0	2.0	22.0	0.0
7	5.0	31.0	45.0	5.0	9.0	0.0	0.0	2.0	0.0	0.0	58.0	33.0
8	7.0	38.0	2.0	1.0	8.0	0.0	0.0	0.0	1.0	8.0	92.0	0.0
9	0.0	0.0	1.0	0.0	5.0	0.0	0.0	7.0	0.0	10.0	46.0	0.0
10	0.0	8.0	2.0	0.0	21.0	1.0	0.0	0.0	0.0	0.0	8.0	9.0
11	7.0	0.0	8.0	41.0	9.0	0.0	0.0	19.0	25.0	0.0	0.0	0.0
12	3.0	17.0	4.0	12.0	0.0	0.0	0.0	0.0	2.0	5.0	2.0	1.0
13	0.0	12.0	23.0	0.0	9.0	0.0	0.0	4.0	0.0	55.0	0.0	0.0
14	0.0	7.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
15	0.0	0.0	27.0	2.0	0.0	0.0	0.0	0.0	0.0	6.0	5.0	0.0
16	52.0	0.0	13.0	13.0	0.0	0.0	0.0	0.0	0.0	42.0	24.0	0.0
17	1.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	51.0	8.0	0.0
18	0.0	20.0	10.0	7.0	0.0	0.0	16.0	3.0	8.0	1.0	0.0	1.0
19	0.0	5.0	23.0	3.0	0.0	0.0	0.0	0.0	5.0	0.0	42.0	0.0
20	0.0	0.0	17.0	17.0	0.0	3.0	4.0	14.0	27.0	35.0	0.0	0.0
21	0.0	0.0	13.0	68.0	0.0	1.0	2.0	12.0	1.0	0.0	0.0	23.0
22	0.5	5.0	11.0	0.0	0.0	27.0	9.0	3.0	6.0	0.0	10.0	0.0
23	0.0	36.0	0.0	0.0	35.0	10.0	0.0	0.0	56.0	10.0	0.0	0.0
24	21.0	0.5	2.0	0.0	9.0	0.0	3.0	5.0	36.0	36.0	0.0	3.0
25	27.0	35.0	6.0	0.0	7.0	11.0	0.0	6.0	5.0	5.0	0.0	0.0
26	2.0	0.0	42.0	6.0	0.0	27.0	0.0	0.0	75.0	2.0	0.0	10.0
27	0.5	0.0	17.0	0.0	9.0	0.0	0.0	35.0	16.0	32.0	4.0	15.0
28	29.0	0.0	22.0	28.0	0	0.0	10.0	29.0	0.0	0.0	10.0	6.0
29	0.0	0.0	0.0	0.0	0.0	1.0	3.0	0.0	0.0	1.0	0.0	0.0
30	0.0	0.0	1.0	53.0	0.0	20.0	30.0	0.0	25.0	42.0	7.0	0.0
31	6.0	0.0	3.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	16.0
Total	170.0	291.5	364.0	304.0	172.0	204.0	85.0	161.0	327.0	465.0	367.0	198.0
D. LL.	17	15	27	16	14	14	9	15	17	21	18	14

TOTALES ANUALES 3108.5 mm. 197 Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: EL INCIENSAL MUNICIPIO: MURILLO AÑO: 1.989

ALTITUD: 2.400 LATITUD: 4-53 N. LONGITUD: 75-08 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.0	2.2	0.0	14.0	0.0	7.0	1.5	0.0	1.0	0.0	0.0	3.5
2	0.0	9.3	0.0	7.5	0.0	0.0	0.0	0.0	0.0	35.0	0.0	5.5
3	8.2	0.0	15.0	0.0	0.0	38.0	0.0	0.0	0.0	15.0	0.0	0.0
4	0.0	7.4	0.0	34.0	13.5	0.0	0.0	0.0	26.0	12.0	0.0	0.0
5	0.0	0.0	0.0	4.0	15.5	0.0	0.0	6.0	13.5	0.0	43.0	61.2
6	5.9	0.0	0.0	0.0	0.0	32.5	0.0	0.0	2.6	22.0	7.2	0.0
7	50.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	4.5	0.0	20.0	0.0
8	0.0	0.0	25.0	4.5	63.0	45.0	0.0	9.5	0.0	2.0	69.0	0.0
9	4.4	60.0	0.0	0.0	20.0	0.0	0.0	0.4	37.0	4.0	49.0	3.0
10	0.3	3.0	0.0	3.5	3.0	0.0	0.0	0.0	0.0	40.0	0.0	2.0
11	0.0	3.0	0.0	6.5	0.0	10.0	0.0	0.0	33.5	0.0	0.0	4.5
12	7.0	0.0	0.0	0.8	42.5	13.0	0.0	3.8	6.1	9.0	0.0	3.5
13	0.0	0.0	0.0	0.0	0.0	5.5	0.0	7.5	15.0	22.0	0.0	0.0
14	0.0	54.4	0.0	1.4	0.0	0.0	0.0	0.0	11.0	1.0	0.0	0.0
15	0.0	0.0	84.0	4.0	0.0	0.0	1.0	0.0	0.0	7.7	0.0	0.0
16	0.0	0.0	35.0	3.0	0.0	0.0	2.0	0.0	0.0	39.0	58.0	0.0
17	0.0	2.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	44.0	0.0	0.0
18	0.0	0.0	13.5	0.0	0.0	5.5	3.0	0.0	0.0	18.0	0.0	0.0
19	0.0	2.2	4.0	0.0	0.0	0.0	0.0	0.0	9.7	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	7.5	0.0	13.7	6.5	9.0	0.0	10.0
21	0.0	20.0	0.0	0.0	0.0	3.0	0.0	0.0	19.0	0.0	0.0	0.0
22	0.0	0.0	9.4	12.5	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0
23	0.0	2.0	1.5	1.0	0.0	12.5	0.0	1.5	11.0	0.0	0.0	0.0
24	35.0	3.0	0.0	0.0	63.5	5.0	0.0	0.0	2.0	0.0	0.0	2.3
25	4.3	0.0	0.0	0.0	7.0	14.5	0.0	3.5	27.0	19.0	0.0	32.0
26	0.0	0.0	1.3	0.0	0.0	19.0	0.0	0.0	0.0	25.0	0.0	3.0
27	0.0	0.0	34.0	14.0	1.0	0.0	0.0	0.0	27.0	1.0	0.0	7.0
28	16.3	0.0	40.0	0.0	0.0	0.0	0.0	26.0	35.0	0.0	7.5	2.0
29	9.9	0.0	4.0	48.0	0.0	0.0	15.0	32.0	0.0	0.0	3.6	19.0
30	0.0	0.0	0.0	0.0	0.0	16.5	45.0	0.0	0.0	2.0	0.0	0.0
31	24.5	0.0	1.0	0.0	1.0	0.0	3.0	0.0	0.0	9.0	0.0	1.0
Total	165.8	168.5	278.9	158.7	230.0	234.5	70.5	103.9	287.4	347.7	257.3	159.5
D. Ll.	11	12	15	15	10	15	7	10	18	21	8	15

TOTALES ANUALES 2462.7 mm. 157 Días lluvia

ESTACION: EL EDEN MUNICIPIO: LIBANO AÑO: 1.989

ALTITUD: 1.350 LATITUD: 4-57 N. LONGITUD: 75-01 W

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	105.0			0.0	0.0	0.0	50.0	0.0	22.0	52.0	0.0	0.0
2	0.0			30.0	0.0	10.0	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	40.0	52.0
4	0.0			0.0	0.0	0.0	0.0	0.0	0.0	70.0	0.0	0.0
5	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0			0.0	0.0	0.0	0.0	0.0	17.0	123.0	0.0	0.0
7	0.0			0.0	0.0	0.0	0.0	0.0	15.0	0.0	44.0	0.0
8	0.0			0.0	80.0	0.0	0.0	16.0	0.0	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	0.0
10	26.0			0.0	0.0	0.0	0.0	0.0	0.0	15.0	73.0	0.0
11	0.0			59.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0			0.0	79.0	0.0	0.0	0.0	23.0	0.0	0.0	0.0
13	0.0			10.0	0.0	0.0	0.0	96.0	46.0	0.0	0.0	0.0
14	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0			13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	17.0			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	111.0	0.0	0.0
18	56.0			0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0
19	0.0			53.0	0.0	21.0	31.0	0.0	27.0	0.0	0.0	0.0
20	26.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.0	0.0
21	24.0			80.0	0.0	0.0	0.0	72.0	0.0	65.0	0.0	0.0
22	0.0			0.0	0.0	29.0	6.0	0.0	73.0	0.0	0.0	0.0
23	0.0			0.0	0.0	38.0	0.0	0.0	17.0	0.0	0.0	0.0
24	0.0			0.0	0.0	25.0	0.0	0.0	0.0	35.0	0.0	0.0
25	0.0			0.0	56.0	0.0	0.0	0.0	35.0	0.0	0.0	0.0
26	55.0			0.0	55.0	24.0	0.0	0.0	10.0	0.0	0.0	0.0
27	0.0			0.0	25.0	13.0	0.0	0.0	33.0	0.0	0.0	0.0
28	13.0			0.0	0.0	0.0	0.0	35.0	16.0	0.0	0.0	57.0
29	0.0			0.0	0.0	0.0	0.0	33.0	0.0	0.0	0.0	0.0
30	0.0			47.0	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	20.0	0.0	0.0	0.0	0.0	0.0
Total	322.0			292.0	295.0	160.0	107.0	252.0	334.0	487.0	202.0	109.0
D. Ll.	8			7	5	7	4	5	12	8	4	2

TOTALES ANUALES mm. Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: PLANES **MUNICIPIO:** LERIDA **AÑO:** 1.989

ALTITUD: 1.200 **LATITUD:** 4-51 N. **LONGITUD:** 74-58 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.0	10.0	5.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	30.0	0.0
2	0.0	0.0	0.0	10.0	0.0	60.0	0.0	0.0	0.0	43.0	0.0	15.0
3	0.0	0.0	34.0	4.0	0.0	0.0	0.0	0.0	7.0	6.0	0.0	10.0
4	0.0	0.0	35.0	1.0	0.0	0.0	0.0	0.0	14.0	5.0	0.0	8.0
5	15.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0	5.0	3.0
6	0.0	0.0	6.0	0.0	0.0	10.0	0.0	0.0	0.0	15.0	0.0	0.0
7	0.0	0.0	0.0	10.0	30.0	0.0	0.0	20.0	0.0	0.0	23.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	40.0	0.0
9	0.0	0.0	0.0	15.0	25.0	0.0	0.0	0.0	27.0	0.0	8.0	12.0
10	0.0	30.0	0.0	5.0	0.0	0.0	0.0	15.0	15.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	56.0	0.0	0.0	0.0	8.0	25.0	0.0	0.0
13	28.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0	57.0	0.0	0.0	0.0
14	0.0	0.0	5.0	40.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0
15	0.0	0.0	20.0	15.0	0.0	0.0	0.0	0.0	0.0	14.0	11.0	0.0
16	32.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	33.0	0.0	15.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.0	0.0	0.0
18	20.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
19	0.0	23.0	7.0	0.0	0.0	30.0	15.0	0.0	30.0	2.0	0.0	0.0
20	7.0	0.0	5.0	11.0	0.0	0.0	0.0	18.0	0.0	0.0	112.0	9.0
21	0.0	3.0	0.0	0.0	0.0	0.0	10.0	15.0	15.0	44.0	0.0	0.0
22	0.0	5.0	0.0	0.0	0.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0
23	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	25.0	0.0	0.0
24	37.0	0.0	0.0	0.0	55.0	65.0	0.0	0.0	3.0	0.0	0.0	21.0
25	0.0	40.0	0.0	0.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	10.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	10.0	4.0	0.0	0.0
27	8.0	0.0	0.0	18.0	8.0	0.0	0.0	0.0	34.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	22.0	0.0	0.0	0.0
29	3.0	0.0	0.0	0.0	0.0	0.0	0.0	52.0	0.0	0.0	17.0	0.0
30	0.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0
31	4.0	0.0	3.0	0.0	0.0	0.0	9.0	0.0	0.0	20.0	0.0	0.0
Total	164.0	130.0	131.0	172.0	219.0	175.0	44.0	189.0	277.0	360.0	271.0	93.0
D. Ll.	10	8	11	13	6	5	4	7	14	17	9	8
TOTALES ANUALES							2225.0 mm.				112	Días lluvia

ESTACION: GUADALITO **MUNICIPIO:** SANTA ISABEL **AÑO:** 1.989

ALTITUD: 1.620 **LATITUD:** 4-41 N. **LONGITUD:** 75-05 W

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	1.0	0.0	0.0	30.0	69.0	0.0	0.0	1.0	0.0	0.0	34.0	2.0
2	9.0	0.0	0.0	12.0	0.0	60.0	0.0	0.0	0.0	45.0	10.0	3.0
3	3.0	0.0	30.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	16.0	4.0	0.0	0.0
5	0.0	10.0	0.0	25.0	11.0	0.0	0.0	0.0	15.0	10.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	19.0	0.0	0.0	12.0	25.0	0.0	0.0
7	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	26.0	0.0
8	3.0	40.0	0.0	7.0	34.0	22.0	0.0	0.0	0.0	9.0	24.0	0.0
9	6.0	0.0	0.0	0.0	31.0	0.0	0.0	0.0	25.0	8.0	10.0	0.0
10	0.0	80.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	2.0	14.0	0.0
11	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	26.0	5.0	12.0	0.0
12	0.0	0.0	0.0	0.0	85.0	5.0	0.0	0.0	21.0	0.0	0.0	0.0
13	0.0	0.0	6.0	0.0	0.0	0.0	0.0	26.0	31.0	31.0	0.0	0.0
14	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0
15	0.0	0.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0
16	0.0	15.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0	11.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.0	6.0	0.0
18	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	41.0	0.0	0.0
19	0.0	0.0	0.0	15.0	0.0	12.0	30.0	0.0	22.0	0.0	8.0	0.0
20	0.0	12.0	31.0	0.0	0.0	17.0	0.0	0.0	10.0	18.0	0.0	0.0
21	0.0	8.0	0.0	0.0	0.0	0.0	0.0	10.0	20.0	27.0	2.0	0.0
22	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0	0.0	0.0	0.0
23	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	2.0	0.0	0.0
24	0.0	0.0	0.0	0.0	32.0	7.0	8.0	0.0	0.0	19.0	0.0	0.0
25	0.0	28.0	0.0	19.0	13.0	8.0	7.0	0.0	10.0	0.0	0.0	5.0
26	2.0	0.0	21.0	21.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	10.0
27	0.0	0.0	24.0	0.0	5.0	0.0	0.0	10.0	35.0	0.0	0.0	0.0
28	41.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	31.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.0	0.0	0.0	0.0	0.0
30	0.0	0.0	12.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	28.0	0.0
31	30.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	45.0	0.0	2.0
Total	95.0	220.0	274.0	198.0	284.0	158.0	45.0	78.0	354.0	425.0	185.0	22.0
D. Ll.	8	9	13	11	9	9	3	5	17	19	12	5
TOTALES ANUALES							2338.0 mm.				120	Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: JANIYOF — MUNICIPIO: ANZOATEGUI — AÑO: 1.989

ALTITUD: 1.720 — LATITUD: 4-38 N. — LONGITUD: 75-04 W

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	15.0	0.0	0.0	45.0	50.0	0.0	0.0	0.0	0.0	0.0	57.0	8.0
2	0.0	0.0	0.0	52.0	5.0	70.0	0.0	0.0	3.0	10.0	0.0	6.0
3	0.0	4.0	15.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0
4	4.0	10.0	18.0	45.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	5.0
5	0.0	0.0	0.0	0.0	7.0	5.0	0.0	5.0	0.0	10.0	0.0	10.0
6	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0	0.0	12.0	10.0	5.0
7	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	21.0	0.0	0.0
8	0.0	40.0	5.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0
9	0.0	30.0	40.0	0.0	20.0	5.0	0.0	0.0	10.0	10.0	11.0	0.0
10	0.0	10.0	20.0	6.0	75.0	3.0	0.0	0.0	0.0	30.0	0.0	11.0
11	10.0	5.0	2.0	5.0	0.0	6.0	0.0	0.0	15.0	10.0	6.0	0.0
12	0.0	3.0	10.0	6.0	0.0	2.0	0.0	0.0	60.0	0.0	0.0	0.0
13	0.0	5.0	0.0	2.0	0.0	10.0	0.0	0.0	10.0	47.0	0.0	0.0
14	0.0	6.0	30.0	0.0	0.0	1.0	0.0	2.0	8.0	7.0	0.0	0.0
15	0.0	4.0	10.0	0.0	0.0	0.0	0.0	3.0	0.0	2.0	12.0	0.0
16	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0
17	0.0	32.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0
18	0.0	0.0	6.0	5.0	0.0	0.0	0.0	0.0	0.0	28.0	0.0	0.0
19	0.0	0.0	8.0	4.0	0.0	10.0	6.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	20.0	10.0	0.0	4.0	0.0	3.0	20.0	10.0	15.0	0.0
21	0.0	18.0	0.0	7.0	0.0	6.0	4.0	0.0	10.0	30.0	8.0	0.0
22	0.0	10.0	15.0	0.0	0.0	11.0	0.0	0.0	15.0	11.0	0.0	7.0
23	0.0	19.0	9.0	0.0	5.0	0.0	0.0	0.0	9.0	10.0	0.0	6.0
24	0.0	0.0	0.0	0.0	9.0	7.0	3.0	0.0	16.0	9.0	0.0	0.0
25	0.0	10.0	0.0	0.0	10.0	0.0	5.0	15.0	12.0	0.0	0.0	0.0
26	10.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	6.0	11.0	0.0	0.0
27	0.0	0.0	0.0	13.0	0.0	0.0	0.0	1.0	10.0	7.0	0.0	0.0
28	20.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0	12.0	6.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	15.0	0.0	0.0	0.0
30	10.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	2.0	15.0	0.0
31	0.0	0.0	23.0	0.0	0.0	0.0	2.0	0.0	0.0	46.0	0.0	10.0
Total	69.0	206.0	247.0	213.0	202.0	145.0	21.0	35.0	242.0	381.0	149.0	68.0
D. Ll.	6	15	17	14	11	14	6	8	18	23	9	9
TOTALES ANUALES							1978.0 mm.				150	Días lluvia

ESTACION: TOTARITO — MUNICIPIO: ALVARADO — AÑO: 1.989

ALTITUD: 1.250 — LATITUD: 4-39 N. — LONGITUD: 74-52 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.0	10.0	0.0	2.0	14.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0
2	0.0	0.0	0.0	9.0	0.0	0.0	8.0	0.0	0.0	30.0	0.0	0.0
3	0.0	0.0	0.0	14.0	0.0	66.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
5	0.0	0.0	0.0	22.0	5.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	34.0	4.0	0.0
7	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	3.0	16.0	3.0
8	0.0	0.0	13.0	0.0	29.0	0.0	0.0	0.0	0.0	13.0	27.0	0.0
9	0.0	0.0	0.0	2.0	0.0	31.0	0.0	0.0	0.0	0.0	6.0	0.0
10	0.0	61.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	5.0
11	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	27.0	32.0	0.0	0.0
12	0.0	0.0	0.0	0.0	80.0	0.0	0.0	9.0	41.0	0.0	0.0	0.0
13	19.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	39.0	15.0	0.0	0.0
14	0.0	0.0	6.0	26.0	0.0	0.0	0.0	0.0	54.0	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	4.0	15.0	0.0
16	0.0	0.0	0.0	41.0	0.0	0.0	0.0	0.0	0.0	38.0	10.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.0	0.0	0.0
18	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	49.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	34.0	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	11.0	5.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	31.0	18.0	0.0	0.0
22	3.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0
23	0.0	3.0	0.0	0.0	0.0	52.0	0.0	0.0	33.0	0.0	4.0	0.0
24	0.0	0.0	0.0	0.0	35.0	0.0	0.0	0.0	4.0	0.0	18.0	0.0
25	20.0	8.0	0.0	0.0	29.0	38.0	0.0	0.0	6.0	0.0	0.0	0.0
26	0.0	2.0	0.0	10.0	0.0	0.0	10.0	0.0	5.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	29.0	40.0	0.0	0.0
28	0.0	0.0	0.0	0.0	33.0	0.0	0.0	0.0	24.0	0.0	6.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	6.0	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	2.0	0.0	0.0	38.0	0.0	0.0
Total	42.0	106.0	114.0	141.0	248.0	188.0	54.0	73.0	354.0	385.0	126.0	8.0
D. Ll.	3	7	4	9	10	5	4	3	15	16	10	2
TOTALES ANUALES							1839.0 mm.				88	Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: ORISOL — MUNICIPIO: VALLE DE S.JUAN — AÑO: 1.989

ALTITUD: 1.500 — LATITUD: 4—10 N. — LONGITUD: 75—07 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	30.0	34.0	0.0	6.0	6.0	0.0	0.0	0.0	0.0	0.0	17.0	1.0
2	20.0	4.0	0.0	4.0	0.0	24.0	0.0	0.0	0.0	10.0	10.0	54.0
3	0.0	8.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	38.0	0.0	1.0
4	6.0	16.0	30.0	0.0	18.0	0.0	0.0	0.0	28.0	10.0	0.0	0.0
5	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	20.0	0.0
6	3.0	0.0	0.0	0.0	0.0	38.0	0.0	0.0	40.0	10.0	0.0	0.0
7	5.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	4.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	14.0
9	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	34.0	24.0	1.0
10	0.0	10.0	10.0	0.0	18.0	11.0	0.0	0.0	0.0	42.0	14.0	0.0
11	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	20.0	16.0	0.0
12	0.0	12.0	12.0	0.0	12.0	15.0	0.0	0.0	0.0	0.0	0.0	1.0
13	0.0	0.0	8.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
14	0.0	8.0	4.0	20.0	0.0	0.0	0.0	0.0	0.0	12.0	10.0	0.0
15	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	2.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	50.0	1.0
17	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	25.0	0.0
18	0.0	0.0	12.0	0.0	2.0	0.0	0.0	0.0	0.0	24.0	0.0	1.0
19	0.0	0.0	20.0	0.0	0.0	0.0	1.0	0.0	10.0	0.0	5.0	0.0
20	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	1.0	1.0
21	8.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	30.0	0.0	3.0	0.0
22	0.0	16.0	0.0	7.0	0.0	20.0	0.0	0.0	10.0	12.0	0.0	21.0
23	0.0	0.0	0.0	0.0	0.0	0.0	2.0	6.0	0.0	48.0	0.0	1.0
24	0.0	0.0	0.0	0.0	20.0	60.0	10.0	0.0	0.0	4.0	0.0	28.0
25	0.0	0.0	0.0	0.0	80.0	0.0	0.0	40.0	22.0	2.0	0.0	1.0
26	14.0	28.0	20.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
27	12.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	30.0	10.0	1.0	0.0
28	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	12.0	4.0	0.0	0.0
29	0.0	0.0	0.0	30.0	0.0	8.0	0.0	0.0	0.0	12.0	3.0	0.0
30	0.0	0.0	0.0	30.0	0.0	4.0	0.0	18.0	0.0	0.0	16.0	0.0
31	0.0	0.0	4.0	0.0	4.0	0.0	0.0	0.0	0.0	32.0	0.0	4.0
Total	102.0	136.0	148.0	101.0	198.0	251.0	17.0	91.0	200.0	340.0	215.0	132.0
D. Ll.	9	9	12	7	11	13	4	5	9	20	15	15

TOTALES ANUALES — 1931.0 mm. — 129 Días lluvia

ESTACION: LA GRANJA — MUNICIPIO: NELGAR — AÑO: 1.989

ALTITUD: 1.200 — LATITUD: 4—09 N. — LONGITUD: 74—40 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	66.0	34.0	0.0	74.0	16.0	0.0						
2	0.0	0.0	0.0	5.0	0.0	0.0						
3	0.0	70.0	0.0	0.0	0.0	7.0						
4	0.0	0.0	38.0	0.0	0.0	0.0						
5	0.0	8.0	0.0	13.0	27.0	0.0						
6	0.0	7.0	17.0	0.0	9.0	0.0						
7	0.0	0.0	9.0	0.0	0.0	0.0						
8	0.0	0.0	24.0	0.0	46.0	9.0						
9	0.0	33.0	0.0	7.0	14.0	0.0						
10	2.0	24.0	0.0	0.0	9.0	0.0						
11	0.0	0.0	9.0	0.0	0.0	0.0						
12	0.0	0.0	2.0	0.0	0.0	0.0						
13	0.0	0.0	24.0	0.0	0.0	19.0						
14	0.0	0.0	0.0	0.0	0.0	2.0						
15	0.0	0.0	35.0	0.0	0.0	0.0						
16	0.0	0.0	30.0	0.0	0.0	0.0						
17	0.0	0.0	12.0	0.0	0.0	0.0						
18	0.0	0.0	73.0	15.0	0.0	0.0						
19	0.0	0.0	57.0	0.0	0.0	0.0						
20	0.0	0.0	37.0	0.0	7.0	5.0						
21	6.0	0.0	33.0	0.0	0.0	0.0						
22	0.0	37.0	5.0	20.0	0.0	7.0						
23	0.0	0.0	0.0	0.0	0.0	0.0						
24	0.0	5.0	0.0	0.0	14.0	10.0						
25	5.0	0.0	0.0	0.0	9.0	0.0						
26	0.0	0.0	26.0	0.0	10.0	0.0						
27	0.0	0.0	14.0	0.0	18.0	0.0						
28	18.0	0.0	0.0	0.0	0.0	0.0						
29	7.0	0.0	0.0	0.0	0.0	0.0						
30	4.0	0.0	4.0	0.0	0.0	0.0						
31	0.0	0.0	10.0	0.0	0.0	0.0						
Total	108.0	218.0	459.0	134.0	179.0	59.0						
D. Ll.	7	8	19	6	11	7						

TOTALES ANUALES — mm. — Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: LA MESETA MUNICIPIO: SAN ANTONIO AÑO: 1.989

ALTITUD: 1.600 LATITUD: 3-55 N. LONGITUD: 75-25 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC
1	2.0	4.0	0.0	0.0	10.0	2.0	4.0	0.0	0.0	30.0	2.0	2.0
2	0.0	8.0	10.0	6.0	0.0	20.0	0.0	0.0	0.0	2.0	10.0	0.0
3	4.0	4.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	20.0	2.0	0.0
4	2.0	0.0	6.0	2.0	4.0	4.0	0.0	8.0	6.0	0.0	0.0	20.0
5	2.0	0.0	12.0	0.0	40.0	10.0	4.0	0.0	2.0	4.0	0.0	0.0
6	0.0	0.0	10.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	4.0	0.0
7	0.0	0.0	0.0	0.0	38.0	0.0	0.0	2.0	10.0	0.0	0.0	0.0
8	2.0	0.0	4.0	0.0	2.0	0.0	0.0	0.0	0.0	6.0	2.0	2.0
9	0.0	0.0	8.0	0.0	10.0	6.0	0.0	0.0	2.0	30.0	0.0	0.0
10	0.0	0.0	20.0	6.0	0.0	0.0	0.0	0.0	6.0	6.0	10.0	0.0
11	0.0	0.0	4.0	0.0	60.0	2.0	0.0	0.0	56.0	0.0	0.0	4.0
12	2.0	12.0	50.0	0.0	4.0	12.0	0.0	2.0	30.0	0.0	4.0	0.0
13	0.0	2.0	10.0	0.0	6.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
14	0.0	0.0	30.0	0.0	0.0	0.0	4.0	0.0	0.0	2.0	0.0	0.0
15	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	4.0	30.0	0.0
16	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
17	0.0	0.0	0.0	0.0	6.0	10.0	0.0	0.0	0.0	40.0	0.0	0.0
18	0.0	2.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	10.0	4.0	2.0	0.0	4.0	0.0	4.0	6.0	0.0	0.0	0.0
20	0.0	0.0	6.0	0.0	4.0	0.0	2.0	10.0	20.0	4.0	20.0	0.0
21	4.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	30.0	2.0	0.0
22	0.0	10.0	0.0	4.0	0.0	10.0	0.0	16.0	6.0	2.0	0.0	0.0
23	0.0	2.0	0.0	0.0	4.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
24	0.0	10.0	0.0	6.0	10.0	20.0	0.0	4.0	6.0	8.0	0.0	0.0
25	0.0	6.0	0.0	4.0	0.0	6.0	2.0	0.0	0.0	30.0	0.0	8.0
26	4.0	0.0	2.0	0.0	2.0	0.0	0.0	2.0	8.0	10.0	0.0	2.0
27	6.0	0.0	4.0	6.0	6.0	0.0	6.0	4.0	0.0	0.0	2.0	0.0
28	4.0	0.0	0.0	50.0	0.0	10.0	0.0	0.0	0.0	0.0	4.0	0.0
29	2.0	0.0	0.0	4.0	4.0	4.0	30.0	0.0	0.0	0.0	0.0	0.0
30	8.0	0.0	0.0	60.0	0.0	0.0	0.0	10.0	0.0	10.0	0.0	0.0
31	2.0	0.0	6.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	44.0	106.0	196.0	158.0	230.0	142.0	58.0	62.0	166.0	246.0	94.0	40.0
D. Ll.	13	13	17	12	17	16	8	10	13	18	13	7
TOTALES ANUALES							1542.0 mm.				157	Dias lluvia

ESTACION: SAN ALFONSO MUNICIPIO: CRTEGA AÑO: 1.989

ALTITUD: 1.680 LATITUD: 3°54' N. LONGITUD: 75°23' W

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	7.0	4.0	7.0	0.0	3.0	0.0	0.0	0.0	1.0	2.0		
2	3.0	2.0	1.0	0.0	1.0	0.0	0.0	0.0	1.0	1.0		
3	1.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0		
4	0.0	0.0	0.0	5.0	5.0	4.0	0.0	0.0	0.0	0.0		
5	0.0	0.0	3.0	1.0	7.0	10.0	0.0	0.0	8.0	5.0		
6	0.0	2.0	1.0	2.0	6.0	1.0	0.0	0.0	5.0	6.0		
7	8.0	6.0	5.0	0.0	0.0	9.0	0.0	0.0	0.0	7.0		
8	2.0	9.0	3.0	8.0	9.0	0.0	5.0	0.0	1.0	0.0		
9	6.0	1.0	0.0	7.0	7.0	0.0	1.0	6.0	0.0	0.0		
10	1.0	1.0	0.0	0.0	1.0	0.0	0.0	3.0	0.0	0.0		
11	2.0	0.0	2.0	0.0	0.0	0.0	0.0	1.0	5.0	0.0		
12	0.0	9.0	2.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0		
13	0.0	6.0	7.0	3.0	3.0	0.0	0.0	0.0	1.0	6.0		
14	6.0	8.0	7.0	7.0	11.0	0.0	0.0	0.0	0.0	1.0		
15	1.0	5.0	8.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0		
16	8.0	1.0	8.0	6.0	0.0	0.0	0.0	0.0	5.0	0.0		
17	7.0	0.0	9.0	9.0	0.0	0.0	9.0	0.0	8.0	0.0		
18	2.0	0.0	7.0	4.0	6.0	0.0	3.0	2.0	5.0	8.0		
19	0.0	5.0	7.0	1.0	3.0	0.0	1.0	1.0	1.0	3.0		
20	0.0	9.0	8.0	0.0	5.0	0.0	1.0	0.0	2.0	2.0		
21	0.0	1.0	8.0	0.0	1.0	8.0	0.0	0.0	1.0	0.0		
22	0.0	0.0	7.0	5.0	0.0	1.0	0.0	0.0	0.0	6.0		
23	6.0	6.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0		
24	3.0	2.0	7.0	0.0	4.0	0.0	5.0	0.0	0.0	0.0		
25	3.0	8.0	8.0	2.0	7.0	0.0	7.0	8.0	1.0	5.0		
26	7.0	3.0	7.0	1.0	9.0	0.0	1.0	1.0	4.0	2.0		
27	1.0	0.0	8.0	1.0	9.0	5.0	0.0	0.0	1.0	1.0		
28	0.0	8.0	8.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0		
29	0.0	0.0	7.0	7.0	0.0	0.0	0.0	7.0	0.0	6.0		
30	0.0	0.0	9.0	0.0	0.0	0.0	4.0	1.0	0.0	7.0		
31	8.0	0.0	6.0	0.0	0.0	0.0	1.0	2.0	0.0	0.0		
Total	82.0	97.0	168.0	72.0	101.0	39.0	38.0	32.0	50.0	69.0		
D. Ll.	19	21	27	18	19	8	11	10	16	17		
TOTALES ANUALES							mm					Dias lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: POCO A POCO MUNICIPIO: CHAPARRAL AÑO: 1.989

ALTITUD: 1.340 LATITUD: 3-44 N. LONGITUD: 75-12 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.0	2.0	5.0			4.0	2.0	0.0	0.0	0.0	20.0	
2	0.0	29.0	0.0			0.0	0.0	0.0	0.0	4.0	0.0	
3	20.0	20.0	10.0			0.0	0.0	0.0	5.0	35.0	10.0	
4	0.0	3.0	3.0			0.0	1.0	0.0	1.0	2.0	9.0	
5	21.0	16.0	10.0			0.0	0.0	0.0	5.0	0.0	4.0	
6	0.0	12.0	4.0			1.0	1.0	0.0	0.0	3.0	5.0	
7	0.0	5.0	23.0			4.0	0.0	0.0	0.0	10.0	0.0	
8	3.0	10.0	18.0			0.0	0.0	0.0	0.0	40.0	0.0	
9	12.0	0.0	14.0			0.0	0.0	0.0	0.0	2.0	0.0	
10	1.0	5.0	0.0			3.0	0.0	0.0	0.0	45.0	0.0	
11	0.0	13.0	21.0			0.0	0.0	0.0	10.0	13.0	0.0	
12	0.0	9.0	23.0			1.0	0.0	0.0	0.0	5.0	0.0	
13	0.0	0.0	20.0			2.0	0.0	0.0	9.0	12.0	25.0	
14	0.0	12.0	33.0			0.0	2.0	0.0	0.0	0.0	15.0	
15	12.0	3.0	44.0			8.0	3.0	0.0	0.0	12.0	0.0	
16	0.0	20.0	4.0			0.0	0.0	0.0	0.0	0.0	100.0	
17	14.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	40.0	
18	3.0	0.0	10.0			0.0	0.0	0.0	0.0	40.0	0.0	
19	0.0	13.0	9.0			0.0	0.0	0.0	0.0	0.0	0.0	
20	4.0	15.0	0.0			0.0	0.0	5.0	30.0	1.0	0.0	
21	0.0	26.0	3.0			10.0	2.0	15.0	3.0	14.0	5.0	
22	2.0	24.0	0.0			0.0	0.0	5.0	15.0	6.0	0.0	
23	0.0	29.0	16.0			1.0	0.0	10.0	0.0	55.0	0.0	
24	0.0	0.0	0.0			0.0	1.0	0.0	1.0	5.0	0.0	
25	0.0	0.0	10.0			1.0	40.0	0.0	30.0	3.0	0.0	
26	3.0	5.0	0.0			0.0	0.0	4.0	0.0	30.0	0.0	
27	15.0	3.0	4.0			1.0	0.0	0.0	10.0	15.0	0.0	
28	21.0	2.0	7.0			0.0	0.0	0.0	4.0	0.0	0.0	
29	25.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	10.0	
30	28.0	0.0	0.0			3.0	25.0	30.0	5.0	0.0	0.0	
31	10.0	0.0	0.0			0.0	5.0	0.0	0.0	20.0	0.0	
Total	194.0	276.0	291.0			39.0	92.0	69.0	128.0	372.0	243.0	
D. Ll.	16	22	21			12	10	6	13	22	11	
TOTALES ANUALES							mm.					Días lluvia

ESTACION: MONTEFRIO MUNICIPIO: NATAGAIMA AÑO: 1.989

ALTITUD: 1.500 LATITUD: 3-32 N. LONGITUD: 75-20 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.0	0.0	0.0	150.0	0.0	0.0	0.0		0.0	0.0	40.0	0.0
2	40.0	0.0	0.0	0.0	30.0	0.0	0.0		0.0	0.0	0.0	20.0
3	10.0	20.0	10.0	10.0	0.0	0.0	0.0		20.0	20.0	10.0	0.0
4	0.0	10.0	0.0	5.0	20.0	0.0	0.0		35.0	0.0	0.0	10.0
5	100.0	0.0	30.0	0.0	70.0	10.0	0.0		10.0	0.0	0.0	0.0
6	0.0	10.0	70.0	0.0	0.0	0.0	0.0		0.0	0.0	30.0	0.0
7	50.0	0.0	40.0	10.0	0.0	30.0	0.0		20.0	0.0	20.0	0.0
8	0.0	0.0	10.0	0.0	30.0	0.0	0.0		0.0	0.0	0.0	10.0
9	0.0	20.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
10	0.0	20.0	10.0	10.0	0.0	10.0	0.0		0.0	10.0	0.0	0.0
11	0.0	10.0	30.0	0.0	0.0	0.0	0.0		0.0	20.0	0.0	0.0
12	0.0	0.0	20.0	0.0	0.0	20.0	0.0		20.0	0.0	0.0	0.0
13	0.0	0.0	30.0	30.0	0.0	0.0	0.0		0.0	60.0	0.0	20.0
14	0.0	20.0	10.0	0.0	10.0	0.0	0.0		0.0	10.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	10.0		0.0	0.0	0.0	30.0
16	0.0	0.0	10.0	20.0	0.0	0.0	0.0		0.0	0.0	35.0	10.0
17	0.0	0.0	0.0	10.0	10.0	0.0	0.0		0.0	0.0	0.0	0.0
18	0.0	10.0	0.0	0.0	0.0	10.0	0.0		0.0	40.0	0.0	0.0
19	0.0	0.0	0.0	20.0	0.0	10.0	0.0		0.0	0.0	0.0	0.0
20	20.0	0.0	0.0	10.0	10.0	0.0	0.0		20.0	0.0	0.0	20.0
21	10.0	0.0	30.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	50.0
22	0.0	0.0	10.0	0.0	0.0	0.0	15.0		35.0	10.0	0.0	10.0
23	0.0	0.0	0.0	0.0	0.0	10.0	0.0		5.0	10.0	0.0	0.0
24	0.0	0.0	10.0	10.0	60.0	0.0	0.0		10.0	0.0	0.0	0.0
25	40.0	0.0	40.0	20.0	10.0	0.0	0.0		0.0	20.0	0.0	30.0
26	0.0	0.0	0.0	0.0	0.0	10.0	0.0		0.0	0.0	10.0	0.0
27	90.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
28	0.0	0.0	60.0	0.0	0.0	35.0	0.0		0.0	0.0	10.0	0.0
29	60.0	0.0	0.0	10.0	0.0	0.0	0.0		0.0	0.0	2.0	0.0
30	10.0	0.0	50.0	0.0	0.0	10.0	0.0		0.0	0.0	0.0	0.0
31	0.0	0.0	10.0	0.0	0.0	0.0	20.0		0.0	0.0	0.0	0.0
Total	430.0	130.0	480.0	315.0	250.0	155.0	45.		175.0	200.0	157.0	210.0
D. Ll.	10	8	18	13	9	10	3		9	9	8	10
TOTALES ANUALES							mm.					Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: EL OCASO — MUNICIPIO: DOLORES — AÑO: 1.989

ALTITUD: 1.000 — LATITUD: 3-32 N. — LONGITUD: 74-53 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	21.0	0.0	0.0	36.0	13.0	27.0	0.0	0.0	0.0	0.0	12.0	0.0
2	0.0	30.0	0.0	3.0	19.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
3	2.0	50.0	0.0	13.0	4.0	0.0	0.0	0.0	32.0	20.0	18.0	0.0
4	3.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	4.0	0.0	20.0	0.0	68.0	5.0	0.0	0.0	0.0	0.0	5.0	0.0
6	5.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	40.0	0.0
7	5.0	5.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	13.0	0.0	46.0	0.0	0.0	0.0	0.0	0.0	30.0	4.0	18.0	0.0
9	0.0	0.0	7.0	0.0	0.0	12.0	0.0	0.0	6.0	12.0	7.0	0.0
10	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0
11	0.0	0.0	30.0	11.0	0.0	10.0	0.0	0.0	0.0	6.0	34.0	10.0
12	0.0	0.0	14.0	0.0	0.0	0.0	0.0	3.0	0.0	11.0	0.0	50.0
13	0.0	36.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0	18.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	48.0	60.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
16	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0
18	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	4.0	0.0	0.0
19	0.0	0.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	8.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0
21	0.0	6.0	14.0	0.0	0.0	0.0	4.0	0.0	6.0	13.0	15.0	0.0
22	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	5.0	0.0
23	0.0	0.0	0.0	16.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	28.0	0.0	22.0	0.0	6.0	17.0	0.0	0.0	0.0	0.0	37.0
25	0.0	0.0	0.0	0.0	0.0	25.0	0.0	10.0	0.0	7.0	0.0	0.0
26	0.0	0.0	60.0	0.0	0.0	0.0	8.0	3.0	0.0	0.0	12.0	6.0
27	13.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	23.0	0.0	0.0
28	70.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0	5.0	0.0
29	0.0	0.0	0.0	3.0	0.0	2.0	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	5.0	0.0	0.0	20.0	0.0
31	0.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0
Total	144.0	208.0	352.0	196.0	110.0	131.0	29.0	38.0	92.0	142.0	240.0	145.0
D. LL.	10	8	13	11	5	10	3	5	5	13	16	6

TOTALES ANUALES — 1827.0 mm. — 105 Días lluvia

ESTACION: LOS ANDES — MUNICIPIO: PLANADAS — AÑO: 1.989

ALTITUD: 1.500 — LATITUD: 3-13 N. — LONGITUD: 75-40 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.0	9.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
2	0.0	20.0	0.0	30.0	61.0	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	50.0	0.0	0.0	0.0	15.0	24.0	0.0
4	17.0	10.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	4.0	9.0
5	10.0	6.0	15.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	10.0	30.0
6	5.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	31.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
8	0.0	0.0	10.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0	28.0	25.0
9	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	10.0	0.0
10	0.0	0.0	45.0	0.0	0.0	0.0	0.0	2.0	0.0	30.0	0.0	5.0
11	0.0	0.0	5.0	0.0	0.0	2.0	0.0	0.0	5.0	5.0	5.0	0.0
12	0.0	0.0	0.0	50.0	28.0	0.0	0.0	0.0	0.0	26.0	20.0	55.0
13	0.0	5.0	9.0	12.0	0.0	0.0	0.0	0.0	3.0	10.0	10.0	0.0
14	0.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
15	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
17	0.0	0.0	0.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0
18	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	6.0	3.0	0.0	0.0
19	0.0	0.0	5.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	5.0
20	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	1.0	72.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	10.0	0.0
22	0.0	0.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	24.0	0.0	0.0	0.0	0.0	0.0	5.0	16.0	20.0	0.0	0.0
24	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	9.0	0.0	10.0
25	0.0	0.0	0.0	0.0	18.0	0.0	27.0	0.0	15.0	5.0	5.0	0.0
26	0.0	18.0	25.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0
27	90.0	0.0	10.0	0.0	0.0	0.0	7.0	0.0	30.0	13.0	0.0	0.0
28	20.0	0.0	0.0	30.0	0.0	5.0	0.0	8.0	0.0	0.0	0.0	0.0
29	5.0	0.0	0.0	1.0	69.0	0.0	0.0	0.0	0.0	80.0	10.0	0.0
30	0.0	0.0	0.0	0.0	2.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	147.0	169.0	267.0	147.0	232.0	77.0	55.0	15.0	81.0	233.0	154.0	139.0
D. LL.	6	12	14	6	10	4	5	3	7	16	12	7

TOTALES ANUALES — 1716.0 mm — 102 Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: EL PLACER — MUNICIPIO: ANSERMANUEVO — AÑO: 1.989

ALTITUD: 1.730 — LATITUD: 4-49 N. — LONGITUD: 76-01 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.0	2.0	0.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	10.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	10.0	30.0	23.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
4	0.0	0.0	16.0	2.5	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
5	5.0	0.0	0.0	0.0	0.0	10.0	3.0	0.0	0.0	0.0	0.0	0.0
6	10.0	0.0	19.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	37.0	0.0
7	0.0	0.0	0.0	0.0	8.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0
8	0.0	19.0	0.0	0.0	10.0	0.0	0.0	0.0	21.0	0.0	0.0	10.0
9	15.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	24.0	0.0	0.0
10	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	39.0	0.0	0.0
11	0.0	10.0	30.0	0.0	0.0	44.0	0.0	0.0	0.0	0.0	0.0	0.0
12	5.0	0.0	0.0	0.0	25.0	0.0	0.0	10.0	11.0	4.0	0.0	5.0
13	0.0	5.0	11.0	0.0	18.0	0.0	0.0	2.0	0.0	18.0	0.0	0.0
14	53.0	0.0	5.0	22.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	9.0
15	14.0	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	0.0	0.0	9.0	0.0	7.0	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	0.0	0.0	3.0	0.0	8.0	0.0	3.0	0.0	0.0
19	0.0	0.0	5.0	0.0	0.0	0.0	5.0	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	5.0	21.0	0.0	7.0	0.0
21	0.0	37.0	0.0	0.0	0.0	0.0	5.0	0.0	10.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	1.0	0.0	0.0	5.0
23	0.0	49.0	0.0	7.0	0.0	0.0	10.0	0.0	10.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	33.0	7.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	8.0	0.0	0.0	5.0
26	30.0	22.0	0.0	40.0	0.0	12.0	6.0	0.0	0.0	0.0	0.0	1.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	17.0
28	5.0	0.0	11.0	0.0	0.0	0.0	0.0	60.0	24.0	0.0	11.0	2.0
29	0.0	0.0	0.0	17.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0
30	7.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	0.0	0.0
Total	154.0	154.0	149.0	167.5	95.0	83.0	61.0	123.0	135.0	169.0	91.0	54.0
D. Ll.	10	8	9	8	7	5	8	8	10	10	6	8

TOTALES ANUALES — 1435.5 mm. — 97 Días lluvia

ESTACION: CIDER — MUNICIPIO: BOLIVAR — AÑO: 1.989

ALTITUD: 1.480 — LATITUD: 4-21 N. — LONGITUD: 76-16 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1			0.0	1.5	0.0	15.3	0.0	0.0	0.0	5.0	2.0	35.0
2			0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	10.0
3			1.5	0.0	5.0	0.0	0.0	0.0	10.0	3.0	7.0	0.0
4			10.0	2.0	0.0	0.0	0.0	0.0	35.0	0.0	20.0	20.0
5			15.3	0.0	20.2	0.0	0.0	2.0	7.0	0.0	0.0	8.0
6			4.8	0.0	15.3	0.0	8.0	0.0	0.0	0.0	0.0	0.0
7			0.0	0.0	20.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8			0.0	0.0	8.5	5.0	0.0	0.0	15.0	5.0	0.0	0.0
9			0.0	0.0	9.0	0.0	5.0	45.0	0.0	3.0	0.0	0.0
10			8.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
11			4.5	0.0	0.0	4.0	0.0	0.0	0.0	8.0	0.0	0.0
12			6.0	0.0	8.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0
13			2.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	5.0
14			8.0	4.5	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
15			20.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16			3.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	10.0	0.0
17			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18			0.0	0.0	5.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
19			0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.0	0.0
20			0.0	0.0	0.0	0.0	2.0	1.0	3.0	0.0	0.0	0.0
21			0.0	0.0	0.0	35.2	3.0	0.0	5.0	0.0	4.0	0.0
22			0.0	3.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0
23			0.0	8.8	3.0	0.0	2.8	10.3	0.0	0.0	0.0	0.0
24			0.0	43.3	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
25			0.0	12.2	0.0	0.0	7.0	3.0	5.0	0.0	0.0	15.0
26			5.0	30.0	0.0	0.0	0.0	0.0	15.0	9.0	0.0	5.0
27			0.0	0.0	5.0	0.0	0.0	0.0	2.0	10.2	0.0	0.0
28			0.0	0.0	3.0	0.0	0.0	2.0	0.0	5.0	0.0	40.2
29			0.0	10.2	0.0	0.0	0.0	10.0	0.0	2.0	10.2	0.0
30			0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	15.0	7.2
31			0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
Total			88.3	115.5	102.2	62.0	32.3	79.8	97.0	98.4	70.2	145.4
D. Ll.			12	9	11	5	8	10	9	15	8	9

TOTALES ANUALES — mm. — Días lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: SANTA MARTA — MUNICIPIO: EL AGUILA — AÑO: 1.989

ALTITUD: 1.760 — LATITUD: 4-54 N. — LONGITUD: 76-03 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	10.0	0.0	0.0	11.0	21.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
2	0.0	0.0	19.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	8.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	0.0	24.0
4	20.0	5.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0
5	0.0	0.0	0.0	15.0	0.0	25.0	8.0	0.0	22.0	0.0	12.0	0.0
6	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	3.0	0.0
7	0.0	0.0	18.0	0.0	25.0	4.0	0.0	0.0	37.0	0.0	0.0	0.0
8	0.0	0.0	13.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
9	25.0	0.0	0.0	0.0	0.0	8.0	0.0	43.0	0.0	0.0	0.0	0.0
10	15.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	22.0
11	7.0	34.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	20.0	0.0	0.0
12	6.0	0.0	25.0	0.0	0.0	12.0	0.0	0.0	12.0	10.0	5.0	9.0
13	13.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0
14	10.0	0.0	11.0	26.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0
15	0.0	18.0	19.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	7.0	0.0	0.0	0.0	28.0	0.0	0.0	7.0	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	10.0	0.0	0.0	13.0	0.0	19.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	6.0	10.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0	0.0
21	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0	0.0	0.0	0.0
22	0.0	12.0	0.0	0.0	0.0	0.0	43.0	0.0	10.0	30.0	0.0	0.0
23	0.0	48.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	24.0	13.0	0.0	10.0
25	0.0	0.0	0.0	0.0	0.0	0.0	14.0	17.0	16.0	7.0	0.0	14.0
26	16.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0
27	11.0	0.0	0.0	5.0	18.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0
28	12.0	0.0	0.0	11.0	27.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0
29	26.0	0.0	15.0	17.0	0.0	0.0	0.0	25.0	0.0	0.0	10.0	0.0
30	23.0	0.0	0.0	16.0	0.0	0.0	15.0	6.0	30.0	6.0	0.0	0.0
31	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	0.0	11.0
Total	194.0	176.0	208.0	144.0	91.0	135.0	66.0	184.0	195.0	201.0	50.0	108.0
D. Ll.	13	9	12	11	4	9	5	10	9	11	7	7

TOTALES ANUALES 1772.0 mm. — 107 Dias lluvia

ESTACION: BELLAVISTA — MUNICIPIO: ANSERMANUEVO — AÑO: 1.989

ALTITUD: 1.550 — LATITUD: 4-48 N. — LONGITUD: 76-04 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	6.0	10.0	0.0	15.0	19.0	0.0	0.0	0.0	0.0	2.0	30.0	0.0
2	0.0	0.0	2.0	6.0	4.0	0.0	0.0	0.0	2.0	0.0	3.0	1.0
3	4.0	8.0	5.0	10.0	6.0	0.0	0.0	1.0	5.0	5.0	5.0	0.0
4	12.0	6.0	35.0	2.0	3.0	0.0	16.0	3.0	0.0	7.0	0.0	0.0
5	0.0	0.0	3.0	5.0	1.0	0.0	28.0	7.0	1.0	0.0	4.0	5.0
6	0.0	0.0	9.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	20.0	0.0
7	0.0	1.0	2.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	10.0	0.0
8	7.0	15.0	0.0	0.0	43.0	1.0	7.0	0.0	50.0	10.0	0.0	0.0
9	14.0	50.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	2.0	0.0	0.0
10	10.0	5.0	0.0	0.0	40.0	17.0	0.0	0.0	0.0	15.0	0.0	0.0
11	2.0	7.0	0.0	0.0	0.0	9.0	0.0	10.0	10.0	14.0	0.0	0.0
12	0.0	0.0	10.0	0.0	44.0	5.0	0.0	0.0	2.0	28.0	1.0	3.0
13	20.0	0.0	3.0	17.0	0.0	3.0	0.0	6.0	0.0	9.0	0.0	0.0
14	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	11.0	0.0	17.0
15	3.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	4.0	3.0	0.0	0.0
16	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	10.0	5.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	0.0
18	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	5.0	12.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	3.0	0.0	0.0	0.0
20	0.0	2.0	0.0	0.0	0.0	0.0	20.0	0.0	4.0	2.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	7.0	0.0	0.0	0.0
22	0.0	66.0	0.0	0.0	0.0	0.0	9.0	0.0	5.0	4.0	0.0	0.0
23	0.0	23.0	0.0	3.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	15.0	0.0	0.0	25.0	10.0	3.0	10.0	0.0	35.0
25	0.0	0.0	0.0	0.0	0.0	3.0	17.0	15.0	22.0	8.0	0.0	30.0
26	0.0	5.0	0.0	0.0	15.0	6.0	0.0	0.0	4.0	4.0	0.0	8.0
27	0.0	0.0	5.0	0.0	7.0	1.0	8.0	10.0	15.0	0.0	0.0	5.0
28	2.0	0.0	3.0	0.0	5.0	0.0	0.0	9.0	16.0	10.0	0.0	0.0
29	1.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	15.0	0.0
30	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	30.0	0.0
31	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	0.0	24.0	0.0	0.0
Total	92.0	198.0	117.0	73.0	187.0	71.0	145.0	90.0	162.0	230.0	123.0	104.0
D. Ll.	13	12	15	8	11	12	10	11	19	23	10	8

TOTALES ANUALES 1592.0 mm. — 152 Dias lluvia

L L U V I A E N M I L I M E T R O S

ESTACION: LA SIRENA — **MUNICIPIO:** SEVILLA — **AÑO:** 1.989

ALTITUD: 1.500 — **LATITUD:** 4-17 N. — **LONGITUD:** 75-55 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	2.0	1.0	10.0
2	2.0	10.0	0.0	2.0	59.0	0.0	0.0	0.0	25.0	5.0	12.0	5.0
3	35.0	2.0	0.0	2.0	0.0	8.0	0.0	0.0	8.0	1.0	6.0	0.0
4	0.0	0.0	11.0	0.0	12.0	4.0	0.0	0.0	22.0	0.0	0.0	6.0
5	0.0	12.0	7.0	0.0	3.0	22.0	0.0	0.0	4.0	0.0	2.0	0.0
6	32.0	2.0	19.0	4.0	9.0	3.0	0.0	0.0	0.0	0.0	1.0	0.0
7	1.0	8.0	9.0	2.0	17.0	1.0	0.0	0.0	3.0	7.0	0.0	0.0
8	2.0	7.0	0.0	0.0	1.0	12.0	0.0	28.0	1.0	10.0	0.0	5.0
9	29.0	35.0	0.0	0.0	23.0	2.0	0.0	0.0	0.0	49.0	0.0	0.0
10	0.0	6.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	9.0	7.0	0.0
11	0.0	0.0	0.0	10.0	35.0	2.0	0.0	1.0	0.0	0.0	0.0	0.0
12	0.0	0.0	88.0	12.0	0.0	1.0	0.0	0.0	4.0	21.0	0.0	0.0
13	1.0	58.0	9.0	3.0	0.0	1.0	0.0	0.0	0.0	27.0	0.0	0.0
14	3.0	0.0	32.0	18.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
15	0.0	5.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	61.0	0.0
16	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	2.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	12.0	1.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	9.0	1.0	0.0	3.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	3.0	8.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	1.0	0.0	34.0	28.0	43.0	4.0	0.0
21	0.0	5.0	0.0	0.0	0.0	3.0	10.0	0.0	9.0	1.0	0.0	0.0
22	11.0	7.0	5.0	6.0	5.0	29.0	1.0	0.0	2.0	0.0	0.0	0.0
23	0.0	0.0	0.0	11.0	3.0	2.0	3.0	0.0	6.0	12.0	0.0	5.0
24	0.0	0.0	0.0	0.0	19.0	1.0	32.0	0.0	23.0	0.0	0.0	2.0
25	38.0	7.0	11.0	8.0	0.0	1.0	0.0	17.0	0.0	9.0	0.0	0.0
26	0.0	0.0	37.0	6.0	1.0	0.0	0.0	0.0	0.0	13.0	0.0	6.0
27	0.0	0.0	6.0	2.0	0.0	0.0	0.0	19.0	4.0	5.0	25.0	10.0
28	0.0	0.0	0.0	48.0	0.0	3.0	35.0	30.0	0.0	21.0	0.0	0.0
29	3.0	0.0	0.0	1.0	0.0	1.0	0.0	0.0	1.0	9.0	58.0	0.0
30	4.0	0.0	0.0	32.0	0.0	0.0	0.0	0.0	3.0	36.0	40.0	0.0
31	1.0	0.0	68.0	0.0	5.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
Total	162.0	166.0	306.0	167.0	192.0	115.0	65.0	137.0	171.0	288.0	217.0	49.0
D. Ll.	13	14	13	16	13	22	7	7	18	23	11	8

TOTALES ANUALES — 2055.0 mm. — 165 Días lluvia

ESTACION: CAMPANELLA — **MUNICIPIO:** PALMIRA — **AÑO:** 1.989

ALTITUD: 1.550 — **LATITUD:** 3-33 N. — **LONGITUD:** 76-18 W.

DIAS	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPT.	OCTUBRE	NOV.	DIC.
1	1.0	0.0	0.0	5.0	0.0	2.0	1.0	0.0	24.0	10.0		0.0
2	2.0	0.0	25.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0		38.0
3	20.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0		0.0
4	0.0	0.0	0.0	0.0	40.0	1.0	0.0	0.0	0.0	2.0		0.0
5	0.0	2.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
6	4.0	0.0	30.0	0.0	24.0	0.0	0.0	0.0	0.0	0.0		0.0
7	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0		0.0
8	0.0	5.0	0.0	0.0	3.0	2.0	0.0	0.0	0.0	0.0		0.0
9	0.0	15.0	12.0	0.0	2.0	0.0	0.0	0.0	0.0	35.0		0.0
10	1.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
11	3.0	0.0	0.0	0.0	0.0	1.0	0.0	10.0	0.0	0.0		0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
13	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0		0.0
14	0.0	4.0	10.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0		0.0
15	4.0	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	0.0	0.0	0.0	38.0		0.0
17	0.0	21.0	0.0	45.0	0.0	20.0	5.0	0.0	4.0	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		0.0
19	7.0	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	0.0	0.0	0.0	2.0	30.0	18.0		0.0
21	0.0	13.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0		0.0
22	0.0	1.0	85.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		98.0
23	0.0	0.0	0.0	4.0	5.0	0.0	52.0	0.0	0.0	10.0		0.0
24	4.0	0.0	0.0	0.0	2.0	0.0	9.0	0.0	6.0	0.0		2.0
25	0.0	0.0	0.0	0.0	8.0	0.0	0.0	6.0	0.0	0.0		0.0
26	40.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	18.0	0.0		24.0
27	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
28	0.0	0.0	0.0	5.0	0.0	0.0	0.0	25.0	0.0	0.0		4.0
29	15.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	4.0		0.0
30	5.0	0.0	0.0	30.0	0.0	0.0	0.0	22.0	0.0	0.0		0.0
31	10.0	0.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		18.0
Total	121.0	74.0	229.0	109.0	88.0	30.0	112.0	72.0	104.0	123.0		184.0
D. Ll.	14	9	8	6	8	6	5	7	6	8		6

TOTALES ANUALES — mm. — Días lluvia