

FEDERACION NACIONAL DE CAFETEROS DE COLOMBIA

ANUARIO

METEOROLOGICO

1.969

TOMO III

**ESTACIONES DE SEGUNDO Y TERCER ORDEN Y
PUESTOS PLUVIOMETRICOS**

CENTRO NACIONAL DE INVESTIGACIONES DE CAFE - CHINCHINA-COLOMBIA

**ESTACIONES DE SEGUNDO Y TERCER ORDEN
Y PUESTOS PLUVIOMETRICOS**

1.969

FEDERACION NACIONAL DE CAFETEROS DE COLOMBIA

GERENCIA TECNICA

DIVISION DE EXPERIMENTACION

Sección de Agroclimatología

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Días	TEMPERATURAS $^{\circ}C$					TENSION DEL VAPOR mm					Humedad Relativa %			NEBULOSIDAD Horas		PRECIPITACION mm			EVAPORACION mm			VIENTOS										
	7	14	20	Med.	Max. Min.	Mínima Suelo	7	14	20	Med.	7	14	20	Med.	7	14	20	Total	7	14	20	Total	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA				
																													7	14	20	Total
1	16.6	25.4	20.2	20.6	26.0	15.5	11.5	12.9	9.8	16.3	13.0	91	40	92	74	8.0	6.5	—	—	0.1	1.5	2.0	00	0	12	1	00	0				
2	18.0	25.6	20.0	20.9	26.0	16.5	14.5	14.9	11.4	16.6	14.3	96	47	95	79	9.3	3.9	1.4	—	—	—	1.4	00	0	00	0	00	0				
3	18.4	26.8	19.0	20.8	27.0	15.9	14.5	12.8	11.0	13.8	12.5	91	42	84	69	10.0	4.0	—	—	—	—	—	1.8	00	0	12	1	00	0			
4	17.0	27.4	20.8	21.5	28.5	15.5	13.8	13.7	9.7	13.8	12.4	94	36	74	68	7.0	7.7	—	—	—	—	—	2.8	00	0	12	1	00	0			
5	18.3	24.6	18.8	20.1	27.5	16.0	15.5	13.1	14.5	13.6	13.7	84	63	84	77	8.7	3.9	—	—	—	—	—	1.6	00	0	00	0	00	0			
6	18.6	27.0	20.2	21.5	27.5	16.5	13.5	14.8	12.2	16.1	14.4	93	45	91	76	7.3	5.6	—	—	—	—	—	2.2	00	0	16	1	00	0			
7	16.8	29.0	18.8	20.6	29.2	16.0	14.5	12.0	9.2	15.0	12.1	84	30	93	69	5.7	9.1	—	—	—	—	—	3.2	00	0	16	1	00	0			
8	16.8	28.0	21.0	21.7	29.5	14.5	12.5	10.8	11.3	15.4	12.5	75	40	83	66	7.7	8.0	—	—	—	—	—	2.8	00	0	00	0	00	0			
9	18.0	29.0	22.0	22.8	29.0	16.5	14.6	14.9	10.9	15.0	13.6	96	36	78	69	7.0	8.4	—	—	—	—	—	2.8	00	0	00	0	00	0			
10	17.0	29.0	19.0	21.0	29.6	16.0	14.0	14.0	10.3	13.2	12.5	96	34	80	70	4.7	8.7	—	—	—	—	—	3.0	00	0	12	1	00	0			
11	18.0	26.8	20.8	22.1	29.0	16.0	14.6	13.8	12.1	15.8	13.9	80	40	86	72	8.7	8.0	—	—	—	—	—	2.8	00	0	12	1	00	0			
12	19.4	22.6	18.0	19.5	24.0	18.5	17.0	16.1	14.5	14.7	15.1	95	70	95	87	10.0	—	—	—	—	—	1.3	0.1	1.4	0.8	00	0	02	1	00	0	
13	18.8	26.9	21.2	22.0	27.5	17.0	15.6	13.7	13.2	17.9	14.9	85	48	95	76	9.3	3.5	—	—	—	—	—	1.5	10.9	2.2	00	0	02	1	00	0	
14	20.0	21.6	18.3	19.5	25.5	18.8	18.0	16.9	16.4	14.5	15.9	96	85	93	91	10.0	1.9	9.4	3.9	7.1	11.4	1.0	00	0	00	0	00	0	00	0		
15	18.0	25.6	20.4	21.1	28.0	16.9	16.0	14.7	11.8	17.2	14.6	95	48	96	80	10.0	1.4	0.4	—	—	—	—	0.6	00	0	00	0	00	0	00	0	
16	19.0	24.4	20.0	20.8	26.6	17.5	15.0	15.1	13.1	17.1	15.1	92	61	97	83	9.3	2.6	—	—	—	—	—	8.0	11.3	0.8	00	0	00	0	00	0	
17	20.0	24.2	20.2	21.2	25.0	18.0	16.5	16.6	14.8	16.8	16.1	95	65	95	85	9.3	1.7	3.3	0.1	14.2	22.9	0.8	00	0	00	0	00	0	00	0		
18	18.1	23.9	19.6	20.3	24.9	17.6	16.5	14.9	13.9	16.5	15.1	96	63	96	85	10.0	1.6	8.6	—	0.2	40.6	0.2	00	0	16	1	00	0	00	0		
19	18.8	25.0	20.8	21.4	25.4	18.0	16.5	15.8	14.2	17.9	16.0	97	60	97	85	10.0	3.6	40.4	—	0.2	3.6	0.6	00	0	12	1	00	0	00	0		
20	19.0	24.2	18.6	20.1	25.5	18.0	16.8	15.2	15.1	15.6	15.3	93	66	97	85	9.0	5.3	3.4	0.1	37.0	45.1	0.8	00	0	02	1	00	0	00	0		
21	18.0	22.4	19.0	19.6	24.5	16.8	16.0	15.0	15.4	16.2	15.5	97	76	98	90	9.3	1.8	11.0	0.2	9.1	10.8	0.6	00	0	12	1	00	0	00	0		
22	19.1	22.0	20.0	20.3	24.5	18.0	16.5	16.0	16.8	16.9	16.6	97	85	96	93	10.0	3.3	1.5	0.1	0.1	0.2	0.2	00	0	02	1	00	0	00	0		
23	18.6	25.3	21.0	21.5	26.0	17.9	16.5	15.6	14.4	17.7	15.9	97	61	95	84	10.0	4.2	—	—	3.1	3.1	0.6	00	0	04	1	00	0	00	0		
24	18.4	27.2	20.6	21.7	27.9	17.5	16.6	14.6	13.3	17.2	15.0	93	48	90	79	7.3	5.9	—	—	—	—	—	0.6	00	0	00	0	00	0	00	0	
25	19.0	23.6	20.2	20.7	24.9	18.5	16.9	16.2	12.6	15.9	14.9	98	58	90	82	9.3	1.9	3.0	—	—	—	—	0.6	00	0	00	0	00	0	00	0	
26	18.4	26.4	20.0	21.2	26.5	17.5	16.4	13.7	13.0	15.9	14.2	86	50	91	76	8.3	6.9	—	—	18.1	—	18.1	2.6	00	0	16	1	00	0	00	0	
27	16.6	23.0	19.1	19.5	25.0	16.0	14.4	13.5	14.8	16.0	14.8	91	70	97	88	7.7	2.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
28	18.0	26.2	20.8	21.5	27.5	16.3	15.0	14.9	14.5	17.6	15.7	96	56	96	83	6.7	5.8	—	—	—	—	—	1.4	00	0	12	1	00	0	00	0	
29	18.0	25.8	20.6	21.2	26.0	17.5	16.0	14.3	15.7	17.2	15.7	93	63	95	84	6.7	2.9	—	—	—	—	—	19.0	1.0	00	0	16	1	00	0	00	0
30	18.4	22.0	19.1	19.6	25.5	17.5	15.5	14.2	15.8	15.9	15.3	90	80	96	89	7.7	3.7	19.0	—	3.1	33.2	0.6	00	0	00	0	00	0	00	0	00	0
31	18.4	26.0	18.0	18.6	20.5	17.6	17.0	15.3	13.8	14.9	15.3	96	90	96	94	10.0	—	—	—	30.1	4.1	2.6	15.6	0.2	00	0	16	1	00	0	00	0
Med.	18.2	25.2	19.9	20.8	26.5	17.0	15.4	14.5	13.3	15.9	14.6	92	57	92	80	8.5	4.1	4.2	0.9	2.8	8.2	1.4	—	—	—	—	—	—	—	—	—	

Precipitación total 254.7 mm.

DATOS DIARIOS

Estación S. A. L. A. S. E. R. F. Año 1969 Mes Febrero φ = 7° 44' N λ = 72° 46' WGR Altura 1.000 M.

Días	TEMPERATURAS					TENSION DEL VAPOR					Humedad Relativa			BRILLO SOLAR		PRECIPITACION			VIENTOS			EVAPORACION														
	7	14	20	Med.	Max. Min.	Mínima Suelo	7	14	20	Med.	7	14	20	Med.	7	14	20	Total	7	14	20		DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA								
																													7	14	20	Med.	7	14	20	Med.	7	14	20
1	16.0	20.0	17.6	17.8	20.5	15.6	15.0	14.2	12.9	12.9	12.3	12.2	14.2	12.9	96	70	94	85	10.0	—	8.9	—	—	—	0.4	00	0	00	0							
2	16.4	24.0	16.3	18.2	25.0	16.0	14.5	13.3	11.2	12.9	12.5	95	50	93	79	7.3	2.9	—	—	—	—	—	—	—	2.0	00	0	00	0							
3	17.0	25.4	18.0	20.1	27.0	16.5	14.2	13.7	15.9	15.0	86	48	96	77	1.7	4.5	—	—	—	—	—	—	—	—	1.2	00	0	00	0							
4	18.6	22.8	20.5	21.6	29.0	17.5	16.5	15.8	14.8	14.8	86	40	96	71	8.0	4.4	—	—	—	—	—	—	—	—	11.9	11.3	1.2	00	0							
5	20.0	24.8	20.3	21.2	25.5	19.0	18.0	16.9	15.9	17.1	16.6	96	70	96	87	1.7	5.4	0.2	4.7	8.8	0.4	14	1	12	1	00	0	0	0	0						
6	19.0	23.5	21.2	21.2	26.3	16.5	17.0	15.7	15.4	17.1	16.1	95	70	91	85	9.3	2.1	3.9	—	—	—	—	—	—	0.4	00	0	00	0							
7	20.0	27.0	21.0	22.2	28.0	17.0	14.5	16.1	13.0	17.8	15.6	92	48	96	79	8.0	5.0	—	—	—	—	—	—	—	1.4	00	0	00	0							
8	19.3	23.4	20.4	20.9	25.0	19.0	17.5	16.1	15.7	17.2	16.3	96	72	96	86	7.7	1.0	0.3	0.1	—	—	—	—	—	0.1	0.4	00	0	00	0						
9	18.0	25.6	21.1	21.5	27.0	17.0	14.5	14.9	13.8	18.1	15.6	96	56	96	61	7.3	6.9	—	—	—	—	—	—	—	10.7	11.0	0.6	00	0	00	0					
10	18.4	24.8	20.0	20.6	25.5	18.0	17.0	15.3	14.0	16.9	15.4	96	60	96	84	9.3	1.7	0.3	0.2	5.5	5.7	0.4	00	0	0.4	00	0	00	0	0						
11	17.0	25.0	19.4	20.2	25.5	16.0	14.5	13.8	14.2	15.3	14.4	95	60	91	82	6.3	8.2	—	—	—	—	—	—	—	2.0	08	1	14	1	00	0					
12	19.0	26.6	21.0	21.9	27.0	17.0	15.0	15.5	14.1	17.0	15.5	94	54	91	80	6.7	6.2	—	—	—	—	—	—	—	1.2	00	0	00	0	00	0					
13	17.0	27.9	20.0	21.2	28.5	16.3	13.5	13.8	11.4	15.8	13.7	93	41	90	75	5.3	7.1	—	—	—	—	—	—	—	—	1.8	00	0	00	0	00	0				
14	17.4	28.8	22.0	22.6	29.3	16.5	15.5	13.9	12.1	17.0	13.7	80	40	86	69	6.0	8.3	—	—	—	—	—	—	—	—	2.0	00	0	16	1	00	0				
15	16.4	27.4	21.0	22.6	28.5	17.6	16.0	13.5	12.7	16.2	14.1	85	46	84	72	6.0	8.5	—	—	—	—	—	—	—	—	4.2	00	0	16	1	00	0				
16	16.4	28.2	22.0	22.6	28.5	16.6	15.5	15.3	14.9	18.7	15.6	96	44	94	78	6.0	7.5	—	—	—	—	—	—	—	—	2.0	00	0	00	0	00	0				
17	19.4	28.4	21.0	22.5	29.0	18.0	15.5	16.8	11.7	17.8	15.4	98	40	96	78	8.0	4.9	—	—	—	—	—	—	—	—	6.1	1.8	2.8	00	0	16	1	00	0		
18	18.0	23.2	19.8	20.2	25.0	17.0	15.0	14.7	15.3	16.4	15.5	95	71	95	87	9.7	2.2	1.7	—	—	—	—	—	—	—	2.6	5.2	0.6	00	0	00	0				
19	19.2	23.8	21.0	21.2	24.5	18.5	17.5	16.7	15.6	16.7	16.3	100	70	90	67	10.0	1.0	2.6	—	—	—	—	—	—	—	0.8	00	0	00	0	00	0				
20	20.0	23.2	20.0	20.8	24.0	19.0	18.5	16.9	17.5	16.6	17.0	96	81	95	91	10.0	0.5	—	—	—	—	—	—	—	—	0.4	00	0	00	0	00	0				
21	20.4	24.9	22.0	22.3	26.4	19.5	18.0	17.3	17.2	18.2	17.6	97	73	92	87	10.0	1.4	—	—	—	—	—	—	—	—	0.8	00	0	14	1	00	0				
22	20.2	25.8	22.4	22.7	27.3	19.0	17.5	16.4	14.9	17.3	16.2	93	60	86	80	9.7	0.5	—	—	—	—	—	—	—	—	0.3	—	—	—	—	—	—	—			
23	20.0	28.9	22.0	23.2	29.5	18.0	17.0	16.2	14.6	19.0	16.5	93	48	96	79	9.3	4.1	—	—	—	—	—	—	—	—	14.6	95.7	1.4	00	0	16	1	00	0		
24	19.6	26.9	21.2	22.2	27.5	19.0	18.0	16.8	16.0	17.5	16.8	96	60	93	84	9.3	2.5	8.1	10.0	2.2	12.2	0.2	00	0	—	0.7	1.6	00	0	16	1	00	0			
25	19.9	25.8	21.8	22.3	26.8	18.0	15.5	16.8	16.2	18.6	17.2	97	55	95	86	9.7	2.6	—	—	—	—	—	—	—	—	0.7	1.6	00	0	00	0	00	0			
26	20.8	24.4	21.0	21.8	26.0	18.5	16.5	17.6	14.6	18.2	16.8	96	64	97	86	9.3	0.8	0.7	—	—	—	—	—	—	—	6.9	7.3	1.0	00	0	02	1	00	0		
27	19.6	27.8	22.4	23.1	28.5	17.5	15.0	15.8	13.7	18.9	16.1	93	48	91	78	8.7	4.7	0.4	0.1	1.0	1.1	1.0	00	0	—	2.0	00	0	00	0	00	0				
28	20.0	24.4	22.0	22.1	27.0	18.5	16.5	15.8	17.0	17.8	16.9	90	74	90	65	10.0	3.9	—	—	—	—	—	—	—	—	0.7	1.0	00	0	00	0	00	0			
29																																				
30																																				
31																																				
Med	18.8	25.6	20.7	21.4	26.7	17.7	16.0	15.3	14.3	17.1	15.6	93	56	93	82	8.4	3.7	3.8	0.4	2.4	6.2	1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	

Precipitación total : 174.5 m.m.

DATOS DIARIOS

Estación **S. A. I. S. A. S. R.** Mes **M. A. R. S. O.** Año **19 6 9** $\phi = 7^{\circ} 44' N$ $\lambda = 72^{\circ} 46' W$ G. B. R. Altura **1.000 M.**

Días	TEMPERATURA $^{\circ}C$					TENSION DEL VAPOR m m					Humedad Relativa %			NUBESIAS DECIMOS		Brillo Solar Horas		PRECIPITACION m m			EAPORACION m m			VIENTOS							
	7	14	20	Med.	Máx.	Min.	Suelo	7	14	20	Med.	7	14	20	Med.	7	20	Med.	7	14	20	Total	7	14	20	DIRECCION FuERZA	DIRECCION FuERZA	DIRECCION FuERZA	DIRECCION FuERZA		
	7	14	20	Med.	Máx.	Min.	Suelo	7	14	20	Med.	7	14	20	Med.	7	20	Med.	7	14	20	Total	7	14	20	DIRECCION FuERZA	DIRECCION FuERZA	DIRECCION FuERZA	DIRECCION FuERZA		
1	20.0	28.0	21.2	22.6	29.0	19.5	16.4	14.3	18.1	16.3	94	50	56	80	9.0	2.2	—	—	—	—	—	—	1.4	0.0	0	16	1	00	0		
2	19.0	24.6	21.2	21.5	27.0	18.0	17.0	15.9	17.7	15.8	96	60	94	83	9.7	4.7	10.8	—	—	—	—	—	—	1.8	0.0	0	12	1	00	0	
3	19.0	30.4	22.6	23.6	31.5	18.0	17.5	14.8	13.7	19.5	15.3	90	36	95	74	7.3	7.5	—	—	—	—	—	—	2.4	0.0	0	14	1	00	0	
4	21.2	26.9	21.8	22.9	27.0	19.0	16.9	16.9	13.6	16.7	15.1	90	56	86	77	9.7	6.0	—	—	—	—	—	—	1.0	0.0	0	16	1	00	0	
5	20.0	29.4	23.2	24.0	30.0	18.5	16.0	15.0	14.3	20.0	16.4	86	46	93	75	8.0	6.0	—	—	—	—	—	—	1.8	0.0	1	14	1	00	0	
6	20.0	29.6	22.4	23.6	30.6	18.5	16.0	15.8	14.4	18.2	16.1	80	46	90	75	6.0	7.5	—	—	—	—	—	—	2.4	0.0	0	16	2	00	0	
7	19.0	30.9	23.6	24.3	31.0	17.5	16.5	11.5	11.0	17.6	13.4	70	33	80	61	3.0	9.0	—	—	—	—	—	—	3.2	0.0	0	14	1	00	0	
8	18.6	30.0	22.8	23.6	30.6	17.5	16.0	12.3	12.7	19.0	14.7	76	40	92	69	6.7	5.5	—	—	—	—	—	—	2.6	0.0	0	00	0	00	0	
9	18.0	30.9	21.6	23.0	31.5	16.0	15.0	7.7	9.9	17.0	13.5	50	30	87	56	7.3	7.0	—	—	—	—	—	—	2.4	0.0	0	16	1	00	0	
10	19.4	28.8	20.6	22.4	29.5	17.0	16.0	12.7	14.9	16.2	14.6	75	50	90	72	4.0	7.4	—	—	—	—	—	—	2.4	0.0	0	00	0	08	1	
11	20.0	28.9	22.6	23.5	30.0	17.5	15.0	16.6	14.9	18.8	16.8	95	50	92	79	7.0	6.8	—	—	—	—	—	—	2.6	0.0	0	00	0	00	0	
12	19.6	26.4	22.4	22.7	27.5	18.0	16.0	16.0	13.7	18.9	16.9	94	60	93	82	8.3	4.3	—	—	—	—	—	—	1.2	0.0	0	16	1	00	0	
13	20.0	29.8	23.4	24.2	30.0	18.5	17.5	16.6	12.5	19.4	16.2	95	40	88	74	7.0	5.5	—	—	—	—	—	—	0.8	1.6	0.0	0	16	1	00	0
14	20.6	26.8	21.6	22.6	27.0	19.5	17.5	17.3	13.7	16.5	15.8	95	52	86	78	7.3	4.5	0.8	—	—	—	—	—	2.0	0.0	0	16	1	00	0	
15	18.0	27.2	21.4	22.0	27.5	16.5	15.5	11.8	13.6	17.7	15.0	76	58	93	76	6.0	9.4	—	—	—	—	—	—	2.0	0.0	0	14	2	00	0	
16	17.2	28.8	22.4	22.7	29.5	15.0	14.0	11.2	12.1	17.3	13.9	76	40	86	67	8.0	7.4	—	—	—	—	—	—	3.4	0.0	0	14	1	00	0	
17	17.6	28.0	21.2	22.0	28.9	16.0	15.0	11.2	12.8	16.2	13.4	74	45	87	69	5.7	6.1	—	—	—	—	—	—	3.0	0.0	0	02	1	00	0	
18	20.0	29.2	22.4	23.6	29.9	17.5	16.6	13.2	10.7	17.3	13.7	74	35	86	65	6.3	7.9	—	—	—	—	—	—	3.0	0.0	0	00	0	00	0	
19	20.0	29.4	21.6	23.2	29.9	18.0	17.0	15.8	12.2	16.2	14.7	90	40	84	71	4.7	7.8	—	—	—	—	—	—	3.0	0.0	0	00	0	00	0	
20	21.0	28.6	22.2	23.0	29.0	19.0	18.0	14.9	13.6	15.6	15.0	80	46	82	69	4.7	3.1	—	—	—	—	—	—	2.0	0.0	0	14	1	00	0	
21	20.2	25.6	20.8	21.8	26.0	18.5	17.5	15.7	13.6	15.8	15.0	88	55	86	76	10.0	0.1	—	—	—	—	—	—	1.4	0.0	0	14	1	00	0	
22	18.6	29.4	22.0	23.0	29.6	17.0	16.0	13.8	14.0	18.8	15.9	86	45	95	75	7.0	3.9	—	—	—	—	—	—	—	3.0	0.0	0	04	1	00	0
23	19.4	29.6	22.6	23.6	30.5	18.0	17.0	15.6	12.4	16.4	14.8	93	40	90	71	6.7	6.7	—	—	—	—	—	—	3.2	0.0	0	02	1	00	0	
24	20.6	30.2	22.0	23.7	30.2	19.0	18.0	15.6	12.8	14.8	14.4	86	40	74	67	8.3	3.2	—	—	—	—	—	—	3.0	0.0	0	04	1	00	0	
25	20.0	29.2	22.0	23.3	31.0	19.0	18.0	15.8	13.3	18.2	15.8	90	43	92	75	8.7	5.3	—	—	—	—	—	—	2.6	0.0	0	16	1	00	0	
26	19.0	25.8	21.4	21.9	26.0	18.0	16.8	15.9	14.9	16.8	16.5	96	60	98	85	10.0	0.8	—	—	—	—	—	—	1.4	0.0	0	16	1	00	0	
27	20.0	27.2	22.4	23.0	28.0	18.5	16.9	15.8	14.6	17.3	15.9	90	54	86	77	8.3	3.5	—	—	—	—	—	—	1.2	0.0	0	16	1	00	0	
28	20.0	22.0	20.0	20.5	22.9	18.5	17.4	17.3	15.8	16.9	16.7	98	80	96	91	10.0	—	—	—	—	—	—	—	0.6	0.0	0	00	0	00	0	
29	18.6	28.6	21.8	22.2	27.0	18.0	17.0	15.3	14.1	17.5	15.6	95	54	90	80	7.7	5.3	—	—	—	—	—	—	1.6	0.0	0	16	1	00	0	
30	19.6	22.8	20.4	20.8	25.0	19.0	17.9	16.8	16.7	16.5	16.7	98	80	92	90	9.7	3.0	—	—	—	—	—	—	1.2	0.0	0	12	1	00	0	
31	20.0	25.4	20.6	21.6	29.8	19.5	18.0	16.9	14.6	16.2	15.9	96	60	90	82	9.0	3.8	—	—	—	—	—	—	1.8	0.0	0	14	1	00	0	
Med.	19.5	27.9	21.9	22.8	28.7	18.0	16.7	14.8	13.5	17.5	15.3	86	49	89	75	7.4	5.0	0.4	—	—	—	—	—	0.4	—	—	—	—	—	—	

Precipitación total : 13.5 m.m.

DATOS DIARIOS

Estación SALESAR Mes ABRIL Año 1969 $\phi = 7^{\circ} 44'N$ $\lambda = 72^{\circ} 46' WGR$ Altura 1.000 M.

Días	TEMPERATURAS					TENSION DEL VAPOR					Humedad Relativa %			NUBESIDAD	Brillo Solar Horas	PRECIPITACION mm				EVAPORACION			VIENTOS										
	7	14	20	Med.	Máx. Min.	Mínima Scala	7	14	20	Med.	7	14	20			Med.	7	14	20	Total	7	14	20	DIRECCION FUERZA Km./Hora	DIRECCION FUERZA Km./Hora	DIRECCION FUERZA Km./Hora							
																											7	14	20	Total	7	14	20
1	19.0	26.0	22.0	22.2	26.5	18.0	15.9	15.5	14.1	17.0	15.5	94	56	86	79	10.0	3.4	—	—	—	—	1.8	0.0	0	16	1	0.0	0					
2	19.0	26.6	21.4	22.1	27.6	18.0	17.5	15.5	14.1	17.1	15.6	94	54	90	79	8.7	4.4	—	—	—	—	1.8	0.0	0	16	1	0.0	0					
3	21.0	27.2	21.3	22.7	27.6	19.5	18.4	14.9	12.3	14.4	13.9	80	45	76	67	7.7	2.6	—	—	—	—	2.8	0.0	0	0.0	0	0.8	1					
4	20.0	27.6	21.0	22.4	28.0	17.0	17.0	14.1	13.9	18.3	15.4	80	50	98	76	8.3	3.6	—	—	—	—	16.1	2.0	0.0	0	0.4	1	0.0	0				
5	19.6	26.8	21.2	22.1	28.0	19.0	17.0	16.5	13.7	18.2	16.0	96	52	97	81	8.0	5.1	—	—	—	—	0.5	0.5	0.0	0	0.0	0	0.0	0				
6	20.6	25.0	21.4	22.1	26.5	19.5	18.5	17.7	15.0	15.3	16.0	97	63	80	80	9.7	1.1	—	—	—	—	0.2	—	0.2	1.4	0.0	0	16	1	10	1		
7	19.4	23.4	21.0	21.2	27.0	19.0	17.5	16.1	17.8	17.7	17.2	96	83	95	91	10.0	1.0	—	—	—	—	0.4	0.5	0.9	1.8	0.0	0	0.0	0	0.0	0		
8	20.0	24.6	21.0	21.6	25.4	19.0	18.5	17.1	17.0	17.8	17.3	97	73	96	89	10.0	0.5	—	—	—	—	0.5	4.0	6.7	1.0	0.0	0	16	1	0.0	0		
9	20.0	24.2	21.4	21.8	26.8	18.0	17.3	16.9	20.2	18.4	18.5	96	89	96	94	9.0	0.8	2.2	10.4	1.1	11.8	0.6	0.6	0.0	0	0.0	0	0.0	0	0.0	0		
10	21.0	26.0	21.0	22.2	28.0	19.6	18.7	15.4	15.7	18.3	16.5	83	83	98	81	9.3	2.3	0.3	0.3	32.1	44.5	1.0	0.0	0	0	16	1	0.0	0	0.0	0		
11	20.0	21.8	20.3	20.6	24.0	19.0	16.9	16.9	18.4	17.1	17.5	96	94	96	95	10.0	—	12.3	8.5	11.5	20.0	0.6	0.0	0	0	0.0	0	0.0	0	0.0	0		
12	20.0	26.8	20.6	22.0	27.5	19.5	19.0	17.5	15.3	17.4	16.7	100	58	96	85	10.0	1.1	—	—	—	—	0.2	54.0	88.0	1.0	0.0	0	14	1	0.0	0		
13	19.1	24.8	21.0	21.5	26.8	18.6	18.0	15.9	17.8	17.8	17.2	96	76	96	89	10.0	0.6	33.8	1.2	1.3	14.0	2.0	0.0	0	0	0.0	0	0.0	0	0.0	0		
14	20.0	24.4	21.0	21.6	25.0	19.5	18.5	16.9	18.3	18.3	17.8	96	80	98	91	10.0	—	11.5	0.6	5.5	6.4	0.6	0.0	0	16	1	0.0	0	0.0	0			
15	20.0	23.8	20.6	21.2	27.8	18.5	16.5	16.9	20.4	18.2	18.5	96	92	100	96	10.0	1.7	0.3	7.9	68.1	128.9	0.8	0.0	0	0	0.0	0	0.0	0	0.0	0		
16	20.0	25.4	20.2	21.4	27.0	18.5	17.0	15.8	15.1	17.1	16.0	90	82	96	83	10.0	2.0	52.9	0.1	11.8	13.1	1.2	0.0	0	16	1	0.0	0	0.0	0			
17	21.6	21.9	20.6	21.2	26.5	19.5	18.5	18.5	18.4	17.4	18.1	96	94	96	95	10.0	—	1.2	15.1	10.5	25.6	0.8	0.0	0	12	1	0.0	0	0.0	0			
18	19.0	25.4	21.0	21.6	26.5	18.0	16.0	15.7	17.0	17.8	16.8	95	70	96	87	9.0	1.7	—	1.6	8.4	26.9	1.2	0.0	0	0	0.0	0	0.0	0	0.0	0		
19	20.4	25.4	21.8	22.4	26.5	19.5	17.5	17.2	17.0	18.0	17.4	96	70	93	86	9.3	1.6	16.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
20	20.4	27.8	23.0	23.6	29.0	18.0	16.4	15.4	14.1	18.3	15.9	86	50	86	74	8.3	6.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
21	19.0	27.2	21.0	22.6	28.0	19.5	17.0	15.4	14.1	16.7	15.4	83	52	80	75	7.3	0.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
22	19.6	25.6	21.4	22.0	26.9	18.5	16.0	15.4	14.7	17.7	15.9	90	60	93	81	8.3	2.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
23	20.0	27.4	20.4	22.0	28.5	19.0	16.5	14.1	13.5	18.0	15.2	80	50	100	77	9.3	6.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
24	19.8	23.8	20.0	20.9	24.5	19.0	18.0	17.3	17.7	16.4	17.1	100	80	94	91	9.3	0.4	87.7	6.2	—	—	—	—	—	—	—	—	—	—	—	—	—	
25	20.0	24.6	21.8	22.0	27.5	18.5	17.0	15.8	12.4	18.0	15.4	90	52	93	78	9.3	4.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
26	18.4	26.0	22.8	22.5	28.5	17.5	14.0	15.3	14.9	20.0	16.7	96	61	96	85	9.0	5.7	19.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
27	20.2	28.4	22.8	23.5	28.5	19.0	16.0	15.9	14.0	19.2	16.4	90	48	93	77	7.3	5.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
28	20.8	30.4	22.8	24.2	30.5	18.6	17.5	17.6	13.0	19.2	16.6	96	40	93	76	6.7	7.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
29	21.0	28.8	22.0	23.4	29.5	20.0	19.0	17.8	13.8	17.8	16.5	96	46	90	77	9.3	5.4	0.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
30	20.6	28.4	23.0	23.8	28.5	19.0	16.5	16.9	15.7	19.1	17.2	91	54	90	79	8.0	4.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
31																																	
Med.	20.0	25.8	21.4	22.2	27.3	18.8	17.3	16.3	15.6	17.7	16.5	92	64	93	83	9.0	2.8	7.3	1.8	7.6	16.7	1.4	—	—	—	—	—	—	—	—	—	—	

Precipitación total : 499.8 mm.

DATOS DIARIOS

Estación Salsesner

Mes Mayo

Año 1969

φ = 7° 41' N λ = 72° 46' W.G.R.

Altura 1.000 M.

Días	TEMPERATURAS						TENSIÓN DEL VAPOR						Humedad Relativa %			Nubosidad DEJORNOS	Brillo Solares Horas	PRECIPITACION m m			EVAPORACION m m			VIENTOS								
	Máx.		Min.		Mínimo Suelo		7		14		20		7		14			20		7		14		20		7		14		20		
	Med.	20	Med.	20	Med.	20	Med.	20	Med.	20	Med.	20	Med.	20	Med.			20	Med.	20	Total	7	14	20	Total	7	14	20	Total	DIREC CION	FUEZA Km./Hora	DIREC CION	FUEZA Km./Hora
1	21.4	28.6	21.6	24.3	29.0	19.5	18.5	17.7	14.8	21.0	17.8	93	96	80	10.0	4.4	—	—	23.4	2.4	00	0	00	0	00	0	00	0	00	0		
2	20.8	28.0	21.8	23.1	29.0	19.5	18.5	17.5	14.6	18.6	16.9	95	95	80	8.3	4.2	23.4	—	—	2.0	00	0	10	1	00	0	00	0	00	0		
3	23.4	27.6	21.6	23.6	28.5	19.5	17.5	16.2	15.0	18.5	16.6	75	54	96	75	9.3	1.9	—	4.4	1.8	00	0	16	1	00	0	00	0	00	0		
4	20.4	28.0	21.6	23.8	28.5	20.0	19.0	16.5	14.3	18.9	16.6	92	90	90	10.0	0.7	—	—	—	1.4	00	0	00	0	00	0	00	0	00	0		
5	20.2	26.4	22.4	22.8	27.0	19.5	17.5	17.8	16.7	18.9	17.8	100	64	93	86	9.3	1.2	—	—	—	0.4	0.1	0.5	1.2	00	0	00	0	00	0		
6	21.0	27.2	21.8	23.0	28.0	20.5	19.0	16.7	14.4	17.5	16.2	90	52	92	78	8.0	2.9	—	—	—	0.4	0.1	0.5	1.6	00	0	00	0	00	0		
7	21.0	25.2	21.4	22.2	28.0	20.0	18.5	17.1	16.4	17.1	17.1	92	68	93	84	8.0	3.1	—	—	—	—	0.5	0.5	1.6	00	0	00	0	10	1		
8	20.0	26.8	21.4	22.4	28.0	18.0	16.0	16.6	14.8	19.1	16.8	95	56	100	84	8.7	3.3	—	—	—	—	12.8	89.1	1.4	00	0	00	0	00	0		
9	19.2	25.9	21.2	21.9	26.0	18.6	18.0	16.4	14.9	17.9	16.4	98	60	95	84	10.0	—	—	—	—	—	76.3	5.9	0.4	8.8	0.6	00	0	00	0		
10	19.6	26.8	21.0	22.1	27.5	18.5	17.5	16.5	14.0	17.6	16.0	96	53	96	82	10.0	2.7	—	—	—	—	2.5	—	1.2	21.5	1.4	00	0	00	0		
11	20.0	27.0	22.8	23.2	28.5	19.5	18.0	16.9	15.0	19.2	17.0	96	56	93	82	10.0	4.1	20.3	—	—	—	—	—	—	—	—	—	—	—	—		
12	18.2	29.0	20.6	22.1	29.5	18.0	17.5	15.1	10.9	14.5	13.5	96	36	80	71	3.0	10.1	—	—	—	—	—	—	—	—	—	—	—	—	—		
13	21.0	27.0	21.0	22.5	29.0	17.6	15.6	15.7	13.6	17.8	15.7	85	51	96	77	7.3	5.5	—	—	—	—	—	—	—	—	—	—	—	—	—		
14	20.6	28.4	21.0	22.8	29.0	19.0	17.5	15.9	13.6	17.3	15.6	88	46	93	76	9.3	0.7	—	—	—	—	—	—	—	—	—	—	—	—	—		
15	21.0	28.4	22.0	23.4	29.0	18.0	16.5	14.9	14.9	19.0	16.1	80	51	96	76	7.7	7.2	—	—	—	—	—	—	—	—	—	—	—	—	—		
16	19.0	29.0	21.0	23.5	29.5	18.5	16.0	15.5	13.4	19.4	16.4	94	64	92	77	7.3	7.8	—	—	—	—	—	—	—	—	—	—	—	—	—		
17	20.0	27.0	22.2	22.8	28.0	19.0	17.5	16.5	14.5	19.2	16.7	93	54	96	81	9.3	3.2	—	—	—	—	—	—	—	—	—	—	—	—	—		
18	21.2	30.2	21.8	23.8	31.0	18.5	16.5	16.2	12.8	17.4	15.5	67	40	89	72	7.3	7.1	—	—	—	—	—	—	—	—	—	—	—	—	—		
19	21.6	30.6	22.0	24.0	31.0	19.5	17.5	13.4	13.0	18.2	16.9	70	40	92	67	6.7	8.4	—	—	—	—	—	—	—	—	—	—	—	—	—		
20	22.0	29.4	21.0	23.8	29.5	20.0	17.5	18.8	11.0	16.4	15.4	95	36	83	71	6.0	7.9	—	—	—	—	—	—	—	—	—	—	—	—	—		
21	21.0	29.0	22.2	23.6	30.5	18.5	16.5	16.5	13.7	15.9	15.4	90	45	80	72	9.3	2.9	—	—	—	—	—	—	—	—	—	—	—	—	—		
22	20.8	29.6	22.0	23.6	30.0	19.5	17.5	17.1	14.1	17.0	16.1	93	45	86	75	8.0	6.7	—	—	—	—	—	—	—	—	—	—	—	—	—		
23	21.4	27.6	21.6	23.0	28.5	20.0	18.0	17.3	15.2	18.2	16.9	91	55	94	80	8.3	4.2	—	—	—	—	—	—	—	—	—	—	—	—	—		
24	21.0	30.0	22.8	24.2	30.5	19.5	18.0	15.7	12.7	17.3	15.2	85	40	83	69	8.0	9.1	—	—	—	—	—	—	—	—	—	—	—	—	—		
25	21.0	28.6	20.2	22.6	29.0	18.5	16.5	15.9	13.4	18.0	16.2	86	90	90	75	7.7	2.1	—	—	—	—	—	—	—	—	—	—	—	—	—		
26	20.6	29.4	22.0	23.9	29.5	18.5	17.5	15.0	13.4	16.7	15.0	83	43	80	69	6.3	9.8	—	—	—	—	—	—	—	—	—	—	—	—	—		
27	22.0	28.0	22.6	23.8	29.0	18.5	15.5	16.6	14.3	15.6	15.5	83	50	76	70	8.7	7.3	—	—	—	—	—	—	—	—	—	—	—	—	—		
28	21.8	30.8	22.8	24.6	31.5	19.0	17.5	16.4	12.0	16.7	15.0	81	36	80	66	8.7	3.8	—	—	—	—	—	—	—	—	—	—	—	—	—		
29	22.6	30.8	20.8	22.8	30.0	20.0	17.5	16.8	14.2	16.4	15.8	81	53	90	75	8.0	0.6	—	—	—	—	—	—	—	—	—	—	—	—	—		
30	21.4	29.2	22.8	24.0	30.0	18.0	17.0	16.0	12.7	16.5	15.1	84	41	79	68	9.0	5.7	—	—	—	—	—	—	—	—	—	—	—	—	—		
31	21.8	30.0	22.8	24.4	30.5	19.0	16.5	16.5	11.5	16.2	14.7	84	36	78	66	7.3	8.4	—	—	—	—	—	—	—	—	—	—	—	—	—		
Med	20.9	28.2	22.0	23.3	29.1	19.0	17.4	16.4	13.9	17.7	16.0	89	49	90	76	6.2	4.7	4.0	0.2	0.9	5.0	2.2	—	—	—	—	—	—	—	—		

Precipitación total : 156.4 m.m.

DATOS DIARIOS

Estación Salazar Mes Junio Año 1969 $\phi = 7^{\circ} 44' N$ $\lambda = 72^{\circ} 46' WGR$ Altura 1.000 M.

Días	TEMPERATURAS						TENSION DEL VAPOR						Humedad Relativa %			Brillo Solar			PRECIPITACION			EVAPORACION			VIENTOS					
	Med.		Máx.		Mínima		Med.		Máx.		Mínima		Med.		Med.		Med.		Med.		Med.		Med.		Med.		Med.		Med.	
	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20
1	21.2	28.6	22.0	33.4	30.5	18.5	16.0	16.7	12.5	16.3	15.2	89	42	82	71	9.3	3.7	—	—	—	—	—	—	—	—	—	—	—	—	—
2	21.8	28.6	21.0	23.1	29.5	18.5	16.0	15.9	14.8	16.7	15.8	81	50	90	74	8.0	2.8	—	—	—	—	—	—	—	—	—	—	—	—	—
3	20.0	27.6	21.8	22.6	29.5	18.5	16.5	15.8	13.5	19.1	16.1	90	48	100	79	8.0	4.6	—	—	—	—	—	—	—	—	—	—	—	—	—
4	21.0	27.0	21.8	22.9	27.5	19.0	17.5	17.5	15.0	19.1	17.2	94	56	97	82	10.0	0.1	—	—	—	—	—	—	—	—	—	—	—	—	—
5	20.0	31.2	23.6	24.6	31.5	18.5	16.5	16.9	12.2	18.3	15.8	96	36	84	72	8.7	7.9	—	—	—	—	—	—	—	—	—	—	—	—	—
6	20.8	30.4	23.4	24.5	30.9	19.5	17.5	16.4	13.0	18.9	16.1	90	40	87	72	7.0	6.0	6.8	—	—	—	—	—	—	—	—	—	—	—	—
7	21.4	24.2	20.8	21.8	28.0	19.5	17.0	17.4	18.3	16.4	17.4	90	80	90	87	9.3	0.4	0.9	1.6	0.8	1.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	20.3	30.0	22.0	23.6	30.0	18.5	16.5	14.3	11.5	15.8	13.9	80	36	80	65	2.7	10.2	—	—	—	—	—	—	—	—	—	—	—	—	—
9	21.0	31.0	22.0	24.0	31.5	19.0	16.5	14.9	12.1	19.1	15.3	80	36	96	71	6.7	9.3	—	—	—	—	—	—	—	—	—	—	—	—	—
10	21.0	30.0	22.0	23.8	30.5	18.5	18.5	15.9	11.1	19.0	15.3	86	35	96	72	9.7	5.7	2.2	—	—	—	—	—	—	—	—	—	—	—	—
11	20.0	29.6	22.8	23.8	31.0	18.5	17.5	15.8	12.4	17.2	15.1	90	40	83	71	8.0	6.4	—	—	—	—	—	—	—	—	—	—	—	—	—
12	21.6	31.0	21.8	24.0	32.0	18.0	15.0	16.5	12.1	14.8	14.5	86	36	76	66	6.7	2.0	—	—	—	—	—	—	—	—	—	—	—	—	—
13	21.0	30.4	21.8	23.6	31.0	17.5	14.5	14.9	11.4	16.3	14.2	80	35	82	66	3.0	9.3	—	—	—	—	—	—	—	—	—	—	—	—	—
14	20.3	29.6	22.2	23.6	30.0	18.5	15.5	16.1	13.0	15.9	15.0	91	41	80	71	9.3	3.8	—	—	—	—	—	—	—	—	—	—	—	—	—
15	21.0	30.0	22.0	23.8	31.5	18.5	15.5	14.0	12.7	15.8	14.2	74	40	80	65	7.3	7.9	—	—	—	—	—	—	—	—	—	—	—	—	—
16	22.0	30.4	22.0	24.1	31.0	19.0	16.0	15.8	12.3	16.1	14.7	80	38	81	66	6.7	7.8	—	—	—	—	—	—	—	—	—	—	—	—	—
17	20.0	27.6	22.0	22.9	28.5	19.0	17.5	15.3	15.0	17.9	16.1	88	54	91	78	9.3	0.9	—	—	—	—	—	—	—	—	—	—	—	—	—
18	20.0	28.6	21.6	23.0	29.5	18.0	16.0	15.6	12.3	16.2	14.7	90	41	84	72	7.3	6.4	—	—	—	—	—	—	—	—	—	—	—	—	—
19	20.0	27.0	21.0	22.4	29.5	18.0	16.5	17.2	12.2	15.3	14.9	90	45	80	74	8.0	4.2	—	—	—	—	—	—	—	—	—	—	—	—	—
20	22.0	28.6	22.0	23.6	29.0	19.5	16.5	15.8	13.5	16.6	15.3	80	45	83	69	8.3	1.8	—	—	—	—	—	—	—	—	—	—	—	—	—
21	20.0	29.6	21.0	22.9	31.5	17.5	14.5	15.8	10.6	15.1	13.8	90	34	81	68	7.3	5.3	—	—	—	—	—	—	—	—	—	—	—	—	—
22	21.0	29.8	21.6	23.5	30.0	17.9	16.0	16.7	13.1	16.0	15.3	90	41	83	71	8.0	8.8	—	—	—	—	—	—	—	—	—	—	—	—	—
23	20.0	29.2	20.6	22.6	30.5	19.5	16.5	15.8	12.2	16.7	14.9	90	40	92	74	9.3	7.0	—	—	—	—	—	—	—	—	—	—	—	—	—
24	20.0	27.8	20.0	22.0	29.0	19.5	16.5	16.9	14.4	16.4	15.9	96	51	94	80	9.3	4.4	—	—	—	—	—	—	—	—	—	—	—	—	—
25	21.0	24.0	21.0	21.8	28.5	19.0	17.0	17.1	17.9	17.3	17.4	92	80	93	88	7.7	8.0	—	—	—	—	—	—	—	—	—	—	—	—	—
26	20.8	27.0	21.0	22.4	28.0	19.0	17.0	16.9	12.5	16.7	15.4	92	48	90	76	9.7	2.9	—	—	—	—	—	—	—	—	—	—	—	—	—
27	20.0	29.0	22.0	23.6	30.0	17.5	15.0	15.3	11.1	16.1	14.2	88	37	76	68	8.0	5.9	—	—	—	—	—	—	—	—	—	—	—	—	—
28	21.0	28.4	23.0	23.8	31.0	18.5	16.0	16.8	11.7	16.1	14.7	88	40	76	68	8.0	6.8	—	—	—	—	—	—	—	—	—	—	—	—	—
29	20.5	30.6	21.0	23.3	31.0	18.5	17.5	15.8	9.8	13.0	12.9	88	30	70	63	8.3	8.9	—	—	—	—	—	—	—	—	—	—	—	—	—
30	21.0	27.2	21.3	22.7	28.9	18.5	17.5	16.7	13.3	17.2	15.7	90	48	92	77	7.3	6.4	9.9	—	—	—	—	—	—	—	—	—	—	—	—
Med.	20.7	28.8	21.8	23.3	30.0	18.6	16.4	16.1	12.9	16.7	15.2	88	44	86	72	7.9	5.5	0.7	0.2	0.2	1.0	3.0	—	—	—	—	—	—	—	—

Precipitación total : 30.9 mm.

DATOS DIARIOS

Estación salasar Mes Julio Año 1969 φ = 1° 44' N λ = 72° 46' WGB Altura 3.000 M.

Table with columns: Dias, TEMPERATURAS (7, 14, 20, Med., Mx., Min., Mínima Suelo), TENSION DEL VAPOR (7, 14, 20, Med., m.m), Humedad Relativa (7, 14, 20, Med. %), NUBES (7, 14, 20, Med. DECIMOS), Brillo Solar Horas, PRECIPITACION (7, 14, 20, Total, m.m), EVAPORACION (7, 14, 20, Total, m.m), VIENTOS (7, 14, 20, DIRECCION, FUERZA, Km./Hora).

Precipitación total : 16,8 m.m.

DATOS DIARIOS

Estación S.A.L.A.S.A.R. Año 1969 Mes Agosto. Q = 7° 41' N λ = 72° 46' W.G.R. Altura 1.000 M.

Días	TEMPERATURA °C			Máx.	Min.	Mínima Sueto	TENSIÓN DEL VAPOR m m			Humedad Relativa %			Nubosidad DECIMOS	Brillo Solar Horas	PRECIPITACION m m			EVAPORACION m m			VIENTOS										
	7	14	20				7	14	20	7	14	20			7	14	20	7	14	20	DIREC. Km./Hora	FUERZA	DIREC. Km./Hora	FUERZA	DIREC. Km./Hora	FUERZA					
1	19.0	28.2	20.6	22.1	28.5	18.0	17.0	13.2	11.5	16.2	13.6	80	40	50	70	5.3	2.1							00	0	34	2	10	1		
2	20.0	29.2	22.6	23.6	30.0	18.0	17.1	14.1	11.0	12.3	12.5	80	36	60	59	6.0	7.2							4.0	0	14	2	10	1		
3	19.1	26.4	21.6	23.2	27.0	18.4	17.1	15.9	13.0	15.4	14.8	90	50	80	73	7.3	4.4	1.1	0.2					2.4	0	14	2	10	1		
4	20.0	29.2	21.2	22.9	30.0	18.4	17.1	15.8	10.7	13.2	13.2	80	35	70	85	6.1	6.1							3.2	0	10	1	00	0		
5	18.6	31.0	23.0	23.9	31.4	17.4	16.3	13.8	8.6	18.0	13.5	86	25	85	65	5.3	8.9							5.0	10	1	14	2	14	1	
6	20.0	28.4	22.2	23.2	29.5	19.0	18.1	13.1	11.0	15.1	13.1	75	38	75	63	7.1	6.5							4.4	0	14	2	00	0		
7	22.6	28.9	20.0	22.9	30.5	18.0	17.1	14.5	12.1	17.2	14.6	70	40	98	69	8.7	4.4							1.7	1.7	3.2	0	14	1	00	0
8	19.0	28.4	22.0	22.8	29.5	16.9	16.0	13.9	9.7	12.8	12.1	85	33	65	61	8.0	7.9							4.4	0	14	1	10	1		
9	20.2	26.0	20.6	21.8	27.0	18.4	17.0	15.1	12.7	14.4	14.1	85	50	74	70	10.0	0.6							3.0	0	16	1	00	0		
10	18.4	28.4	22.2	22.8	30.0	16.9	15.8	14.2	11.3	14.1	13.2	90	38	70	66	6.7	7.9							2.1	4.2	0	14	1	00	0	
11	19.2	29.6	23.6	24.0	31.0	18.0	17.4	15.0	10.9	15.4	13.8	90	35	70	65	5.3	2.1							0.8	5.0	0	14	1	00	0	
12	20.0	28.0	22.2	23.1	29.5	19.1	17.9	15.8	11.3	15.0	14.0	90	40	74	68	7.3	8.5	0.2	0.2					0.2	3.2	0	14	1	00	0	
13	20.8	28.9	18.0	21.4	29.9	19.0	18.3	14.7	12.1	12.4	13.1	80	40	80	67	7.3	5.6							0.2	0.5	3.4	0	00	0	00	0
14	21.2	29.6	22.8	24.1	30.0	19.0	18.4	16.9	10.6	18.7	15.4	90	34	90	71	8.0	4.4	0.3						84.1	3.0	0	14	1	00	0	
15	19.0	30.6	22.8	23.3	31.0	18.0	17.2	16.2	9.8	15.6	13.9	98	30	80	69	9.1	3.1	84.1	2.8					2.8	2.4	0	10	1	00	0	
16	20.6	27.6	22.8	23.4	28.5	19.5	18.6	17.1	11.1	17.0	15.1	94	40	82	72	8.0	1.8							0.3	2.4	0	14	1	00	0	
17	20.4	24.4	19.6	21.0	29.5	19.5	18.4	16.9	9.2	16.5	14.2	94	40	96	77	8.1	1.5							4.2	17.6	22.6	1.4	0	1	00	0
18	20.0	29.8	19.2	22.0	30.0	18.4	17.0	16.4	10.7	16.1	14.4	94	34	96	75	6.0	8.1	0.8						24.4	25.2	2.4	0	14	1	00	0
19	19.1	27.6	20.0	21.7	28.0	18.4	17.2	15.9	12.1	16.9	15.0	96	44	96	79	8.7	4.5	0.8						20.2	21.6	1.8	0	14	1	00	0
20	19.6	28.6	21.6	22.8	29.5	19.0	18.1	16.0	12.8	18.4	15.7	94	43	95	77	8.1	5.2	1.4						9.4	10.2	2.4	0	14	1	00	0
21	19.2	30.2	21.6	23.2	31.0	18.5	17.5	16.1	11.5	15.4	14.3	96	36	80	71	3.3	9.1	6.8						4.2	0	14	1	00	0		
22	20.0	30.4	22.8	24.0	31.0	19.0	18.1	12.2	10.8	16.7	13.3	70	33	80	61	6.7	8.0							0.3	4.2	0	14	1	00	0	
23	20.4	27.4	21.6	22.8	29.0	19.0	18.0	14.5	11.2	14.4	13.4	80	40	74	65	4.3	8.3							0.2	3.6	0	14	1	00	0	
24	20.2	29.4	23.0	23.9	29.5	19.0	18.0	16.3	13.7	15.2	15.1	92	44	72	69	6.1	3.8							0.2	0.2	3.2	0	14	1	00	0
25	20.4	28.4	20.6	22.5	30.0	19.0	18.3	15.3	10.5	12.7	12.8	85	36	70	64	6.0	8.8							0.2	0.2	3.2	0	14	1	00	0
26	20.4	28.8	23.6	24.0	29.0	18.5	17.4	15.2	12.1	17.9	15.1	86	40	82	69	7.3	5.4							0.2	1.8	3.2	0	00	0	00	0
27	20.0	24.6	19.0	20.6	28.5	18.0	17.5	16.4	15.0	16.5	16.0	94	65	100	86	7.3	5.2	1.8	8.8	10.9				3.4	0	14	1	00	0		
28	18.6	28.0	20.0	22.2	29.5	17.4	16.0	13.4	10.8	16.7	13.6	84	38	90	71	5.3	8.9							0.2	3.4	0	14	1	00	0	
29	19.4	28.0	20.4	22.0	31.0	18.0	17.0	16.3	10.3	16.3	14.3	96	36	91	74	8.0	7.9							1.3	1.5	3.2	0	14	1	00	0
30	19.6	28.4	21.8	22.9	29.5	19.0	18.1	15.4	12.3	14.7	14.1	80	42	75	69	6.7	6.4	0.2						0.2	3.0	0	14	2	10	1	
31	20.0	26.6	22.4	22.8	29.5	19.0	18.2	16.9	10.4	16.1	14.5	96	40	80	72	4.7	7.1							0.2	3.4	0	14	1	00	0	
Med	19.8	28.4	21.5	22.8	29.6	18.4	17.4	15.2	11.3	15.6	14.0	88	39	81	69	6.9	5.8	3.0	0.3	2.7	6.1			3.2	1.1	3.2	0	0	0	0	0

Precipitación total: 186.1 m.m.

DATOS DIARIOS

Estación Bolívar

Mes Octubre

Año 1969

$\phi = 7^{\circ} 44' N$ $\lambda = 72^{\circ} 46' WGR$

Altura 1.000 M.

Días	TEMPERATURAS					TENSIÓN DEL VAPOR			Humedad Relativa			NUBOSIDAD DECIMOS	Brillo Solar Horas	PRECIPITACION mm			EVAPORACION			VIENTOS									
	7	14	20	Med.	Mínima Shabo	7	14	20	Med.	7	14			20	Med.	7	14	20	Total	7	14	20	DIREC CION	FUERZA Km/Hora	DIREC CION	FUERZA Km/Hora	DIREC CION	FUERZA Km/Hora	
																													Max.	Min.
1	19.2	26.4	20.0	21.4	26.5	18.0	17.0	17.1	15.0	85	54	97	39	8.0	6.1	0.1	2.7	13.3	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
2	19.0	26.2	19.8	21.2	26.5	17.7	15.6	16.2	16.6	98	64	100	87	8.0	3.4	10.6	0.2	46.6	60.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
3	20.0	28.2	19.6	21.8	29.0	17.7	16.5	16.6	15.9	95	50	94	81	8.7	6.5	13.8	—	22.7	44.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
4	20.0	21.0	19.8	20.2	19.0	17.3	16.9	17.7	17.3	95	95	100	97	10.0	—	21.4	2.5	2.2	4.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
5	20.0	26.0	19.6	21.3	27.0	18.3	16.5	16.6	14.1	16.5	15.7	95	56	96	82	7.3	3.5	—	—	—	—	—	—	—	—	—	—	—	
6	19.4	26.8	19.6	21.4	26.8	18.6	17.5	16.6	14.3	16.5	15.8	98	54	96	81	8.0	3.4	1.8	0.1	3.7	10.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	
7	19.0	21.4	19.2	19.7	26.0	18.0	16.6	15.7	16.3	16.1	16.0	95	86	96	92	8.0	2.8	6.9	10.0	13.7	23.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	
8	19.6	26.2	21.2	22.0	27.0	18.3	16.8	16.5	12.4	16.1	15.0	96	48	90	78	8.0	1.5	0.1	—	—	—	—	—	—	—	—	—	—	
9	19.2	26.4	21.2	22.2	26.5	19.0	17.0	16.2	15.7	17.9	16.6	97	60	95	84	8.0	1.7	30.7	5.2	0.1	74.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	
10	19.2	26.4	21.6	22.4	27.5	19.0	18.0	16.7	15.7	18.4	16.9	96	60	95	84	8.0	1.7	69.9	—	—	46.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0	
11	20.0	26.6	19.6	21.4	28.0	18.6	17.0	16.9	13.0	16.8	15.6	96	50	97	81	8.0	2.8	46.3	—	—	16.1	22.4	1.4	0.0	0.0	0.0	0.0	0.0	
12	20.0	26.2	21.0	22.0	27.0	19.0	17.4	16.6	14.0	17.8	16.1	95	55	96	82	8.0	4.7	6.3	0.3	24.4	38.6	1.4	0.0	0.0	0.0	0.0	0.0	0.0	
13	19.0	27.4	21.0	22.1	28.0	18.6	17.4	15.9	13.5	17.7	15.7	96	50	95	80	4.0	5.5	14.1	1.4	—	1.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	
14	19.6	25.6	19.6	21.1	27.0	18.4	15.5	16.0	14.7	16.8	15.8	94	60	98	84	8.0	3.9	—	—	—	0.4	67.3	10.1	1.2	0.0	0.0	0.0	0.0	0.0
15	19.6	25.6	20.0	21.3	26.5	17.6	16.0	16.2	12.3	16.9	15.1	90	50	96	80	6.0	3.6	33.4	0.1	1.5	1.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	
16	20.0	25.4	19.2	21.0	26.0	18.6	16.5	17.5	12.3	15.9	15.2	100	90	95	82	5.1	3.5	—	—	—	—	—	—	—	—	—	—	—	—
17	19.6	27.4	21.0	22.2	28.0	17.3	14.0	15.4	12.4	17.7	15.2	90	45	90	77	8.0	5.5	—	—	—	0.7	9.9	1.8	0.0	0.0	0.0	0.0	0.0	0.0
18	19.6	28.4	21.2	22.6	28.5	17.6	15.0	15.6	12.9	15.1	14.5	92	44	85	74	6.0	7.1	2.2	—	—	—	—	—	—	—	—	—	—	—
19	20.0	27.0	21.4	22.4	27.5	18.8	16.0	16.6	13.0	16.9	15.0	95	48	89	77	4.0	2.0	1.1	—	—	—	—	—	—	—	—	—	—	—
20	18.6	28.4	22.0	22.8	28.5	18.0	16.0	14.4	13.9	18.2	15.5	90	46	92	76	6.0	1.2	—	—	—	—	—	—	—	—	—	—	—	—
21	20.0	27.6	22.6	23.2	28.0	18.2	17.0	15.9	13.9	18.4	16.1	91	50	90	77	6.7	6.6	—	—	—	—	—	—	—	—	—	—	—	—
22	21.0	26.4	20.4	22.1	26.3	19.3	16.8	16.2	13.1	17.3	15.5	87	51	97	78	6.0	0.9	0.6	—	—	—	—	—	—	—	—	—	—	—
23	19.4	26.4	19.2	21.0	27.0	17.5	15.0	15.8	14.5	16.2	15.3	94	56	97	82	8.0	4.5	7.3	—	—	—	—	—	—	—	—	—	—	—
24	20.0	26.2	20.2	21.6	27.5	19.0	16.6	16.2	13.5	16.3	15.3	91	51	92	78	8.0	3.2	0.2	—	—	—	—	—	—	—	—	—	—	—
25	20.2	26.2	20.2	22.1	27.5	19.1	16.8	16.8	13.7	17.7	16.7	95	63	95	84	8.0	8.0	0.4	—	—	—	—	—	—	—	—	—	—	—
26	20.2	23.6	20.0	21.0	25.0	18.4	17.5	16.8	17.4	16.6	16.8	95	78	95	89	8.0	4.4	29.6	—	—	—	—	—	—	—	—	—	—	—
27	20.0	26.4	20.6	21.9	27.5	19.0	17.0	16.6	14.2	16.2	15.7	95	55	90	80	6.7	1.1	1.4	0.1	0.2	0.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	19.0	26.0	20.0	21.2	26.5	17.0	14.5	15.7	11.3	16.2	14.4	95	65	91	78	6.7	5.7	—	—	—	—	—	—	—	—	—	—	—	—
29	18.2	27.4	21.0	21.9	28.0	17.0	15.0	14.0	13.5	15.7	14.4	90	50	85	75	6.7	8.5	—	—	—	—	—	—	—	—	—	—	—	—
30	20.6	26.9	21.0	22.2	28.0	18.0	16.5	17.1	16.6	16.7	16.6	97	60	90	82	6.7	4.5	—	—	—	—	—	—	—	—	—	—	—	—
31	20.0	26.0	21.0	22.0	28.0	18.5	17.5	17.1	14.9	16.7	16.2	97	68	90	82	6.7	4.9	—	—	—	—	—	—	—	—	—	—	—	—
Med	19.6	26.2	20.5	21.7	27.1	18.3	16.5	16.2	14.2	16.9	15.7	94	56	94	81	7.2	4.1	9.8	0.6	8.1	18.6	1.5	—	—	—	—	—	—	—

Evaporación total : 576.7 m.m.

Edic. Contecaf 25

DATOS DIARIOS

Estación S.A.I.T.S.A. Méjg Roversbr. Año 1969 $\varphi = 74^{\circ}44'N$ $\lambda = 72^{\circ}46'WGR$ Altura 1.000 M

Días	TEMPERATURAS °C				TENSION DEL VAPOR mm				Humedad Relativa %			HORAS DE SOLAR	PRECIPITACION mm			EVAPORACION mm			VIENTOS										
	7	14	20	Med.	Max.	Min.	Millim. Scale	7	14	20	Med.		7	14	20	Total	7	14	20	7	14	20	7	14	20				
1	21.0	26.6	22.2	23.5	29.0	18.2	16.0	16.7	13.5	18.0	16.1	90	45	90	75	1.0	1.9						00	16	1	00	0		
2	20.0	29.0	23.0	22.8	29.5	18.0	17.5	15.8	13.7	17.5	15.7	90	45	94	76	8.0	7.2			5.7	6.5		00	16	1	00	0		
3	19.6	28.8	20.6	22.4	23.1	18.4	17.0	14.3	12.1	17.2	14.5	40	55	74	40	9.2	0.8						00	00	0	00	0		
4	20.0	29.4	19.0	21.4	29.5	17.5	15.0	15.8	13.4	17.8	14.3	90	43	90	74	8.0	9.2			29.7	29.8		00	00	0	00	0		
5	19.6	27.4	21.4	22.4	28.0	17.5	15.0	15.7	17.2	18.4	17.1	92	62	96	83	7.3	0.2				1.0	2.0	00	00	0	00	0		
6	19.2	26.2	20.0	21.4	26.5	16.4	17.5	16.7	16.5	17.5	16.9	100	64	100	88	10.0	2.8	1.0	0.3	5.0	6.6	1.4	00	00	0	00	0		
7	18.4	26.8	20.0	21.4	28.5	17.4	14.5	16.0	13.7	17.2	15.6	100	52	98	83	8.7	5.9	1.3		35.0	47.6	1.4	00	0	14	1	00	0	
8	20.0	24.6	20.0	21.2	27.5	17.6	15.5	15.8	16.3	16.9	16.3	90	70	96	85	10.0	2.7	12.6		10.3	11.8	1.2	00	0	00	0	00	0	
9	20.0	22.6	20.0	20.6	27.0	18.3	16.5	17.5	17.0	17.5	17.3	100	83	100	94	10.0	4.2	1.5	2.4	1.4	37.3	1.0	00	0	00	0	00	0	
10	18.9	24.0	20.0	20.7	27.5	18.0	15.5	16.3	16.9	17.5	16.9	100	75	100	92	9.3	3.3	13.5	0.7	33.4	35.0	1.4	00	0	00	0	00	0	
11	20.0	27.2	18.0	21.0	27.5	17.6	15.3	16.8	15.2	15.6	15.9	96	56	100	84	8.7	5.7	0.3		82.0	95.4	1.4	00	0	16	1	00	0	
12	19.0	24.2	19.6	20.3	25.5	17.4	14.8	14.1	15.1	15.3	15.0	86	66	96	83	8.7	2.5	15.4					00	00	0	00	0		
13	17.2	27.2	21.0	21.6	28.0	16.0	14.5	13.9	11.6	17.3	14.3	94	43	93	77	6.3	9.2						00	00	0	00	0		
14	18.0	27.6	21.0	22.0	28.5	17.0	13.9	14.6	12.1	17.5	14.8	94	44	93	77	6.7	8.0						00	00	0	00	0		
15	20.0	27.0	21.0	22.2	27.5	18.9	17.5	14.7	14.7	18.7	16.0	94	55	100	83	8.7	5.2						00	00	0	00	0		
16	19.1	24.4	20.0	20.9	26.0	18.3	17.0	16.5	17.5	17.2	17.1	100	76	98	91	10.0	2.2	34.7	2.4	20.7	48.0	1.0	00	0	00	0	00	0	
17	19.2	26.6	21.0	22.0	27.0	17.0	13.5	15.6	13.8	18.1	15.9	94	51	98	82	9.1	4.3	24.9	0.5	13.2	23.2	1.4	00	0	12	1	00	0	
18	19.6	26.8	20.2	21.7	27.0	18.0	17.0	16.5	14.1	17.1	15.9	96	56	96	81	3.5	9.5			44.2	70.4	1.0	00	0	00	0	00	0	
19	19.0	23.8	20.0	20.4	25.5	17.4	14.5	14.9	16.4	17.1	16.1	96	74	97	89	9.3	1.4	26.2		12.5	29.6	0.8	00	0	00	0	00	0	
20	18.1	22.0	20.0	20.0	25.5	17.0	15.5	15.1	17.8	16.9	16.6	96	80	96	94	10.0	0.9	17.1	3.9	13.1	5.2	0.6	00	0	00	0	00	0	
21	19.6	24.6	20.0	21.0	26.0	18.5	13.5	15.5	16.3	17.5	16.4	91	70	100	87	10.0	1.1		6.3	19.5	16.0	0.8	00	0	00	0	00	0	
22	19.2	26.2	21.0	21.8	26.5	18.3	17.0	16.7	14.0	17.8	16.2	100	55	96	84	8.3	1.6	56.2					00	00	0	00	0		
23	19.0	25.2	21.0	21.6	25.5	17.5	14.5	15.9	15.8	17.8	16.5	96	66	96	86	8.7	2.9	0.3	1.7		2.3	1.0	00	0	00	0	00	0	
24	19.1	23.0	21.0	21.0	25.0	18.0	16.5	15.7	13.2	17.6	16.2	95	72	96	88	10.0	0.5	0.6				1.2	00	0	00	0	00	0	
25	18.5	27.8	19.1	21.1	28.0	17.1	16.0	14.3	11.4	17.9	13.2	90	45	95	72	6.7	8.9						00	00	0	16	1	00	0
26	17.8	27.8	20.2	21.5	28.5	16.6	14.5	14.7	15.1	17.1	15.6	96	54	96	82	7.7	8.2						00	00	0	16	1	00	0
27	18.6	27.8	21.9	22.6	28.5	17.1	16.5	14.4	14.1	17.7	15.4	90	50	91	77	7.3	7.5			0.1	0.3	2.2	00	0	10	1	12	1	
28	18.0	26.6	19.9	21.0	27.5	17.1	14.5	15.1	13.0	16.9	14.7	97	90	93	80	6.0	5.5	0.2				1.6	00	0	00	0	00	0	
29	18.0	27.0	20.8	21.6	28.0	17.0	14.9	14.9	12.5	17.3	14.9	96	46	94	79	8.0	8.9				2.2	2.4	00	0	00	0	00	0	
30	18.0	27.0	20.2	21.4	27.5	17.4	16.5	14.9	14.9	17.1	15.5	96	54	96	82	6.7	8.5	2.2				0.3	2.8	00	0	10	1	00	0
31																													
Med	19.0	26.2	20.3	21.5	27.4	17.6	15.7	15.5	14.7	17.1	15.8	94	58	96	83	8.4	5.1	8.0	0.4	10.6	19.0	1.6	--	--	--	--	--	--	

PRECIPITACION total = 969.7 mm.

RESUMEN MENSUAL Y ANUAL

ESTACION: Salinas

AÑO: 1.968

M E S	TEMPERATURA DC			TEMPERATURAS EXTREMAS DC						HUMEDAD RELATIVA %			TENSIÓN DEL VAPOR MM. HG.			BRILLO SOLAR EN DECIMOS		HORAS EVAPORACION MM.		PRECIPITACION									
	7	14	20	MAXIMA	MEDIA	MINIMA	MAXIMA	MEDIA	MINIMA	ABSOLUTA	MEDIA	ABSOLUTA	MAXIMA	ABSOLUTA	MEDIA	EN DECIMOS	HORAS	MM.	PRECIPITACION										
																			7	14	20	SUMA	7	14	20				
ENERO	18.2	25.2	19.9	20.8	26.5	17.0	29.6	10	14.5	8	15.4	92	57	92	80	30	17.9	9.2	14.6	8.5	4.1	1.4	132.0	27.9	86.4	255.2	17	48.1	20
FEBRERO	18.8	25.6	20.7	21.4	26.7	17.7	29.5	23	15.6	1	16.0	93	58	93	82	40	19.0	11.2	15.6	8.4	3.7	1.2	104.8	11.6	63.8	171.3	15	95.2	23
MARZO	19.5	27.9	21.9	22.8	28.7	18.0	31.5	V	15.0	16	16.7	86	49	89	75	30	20.0	7.7	15.3	7.4	5.0	2.1	11.6	0.3	1.6	13.5	4	12.2	1
ABRIL	20.0	25.8	21.4	22.2	27.3	18.8	30.5	28	17.5	26	17.3	92	64	93	83	40	20.4	12.3	16.5	9.0	2.8	1.4	219.0	51.4	227.4	499.8	19	128.9	15
MAYO	20.9	28.2	22.0	23.3	29.1	19.0	31.5	28	17.6	13	17.4	89	49	90	76	36	21.0	10.9	16.0	8.2	4.7	2.2	128.5	6.7	27.2	156.4	12	89.1	8
JUNIO	20.7	28.8	21.8	23.3	30.0	18.6	32.0	12	17.5	V	16.4	88	44	86	72	30	19.1	9.8	15.2	7.9	5.5	3.0	194.8	5.9	5.2	30.9	12	9.9	29
JULIO	20.0	28.8	22.0	23.2	29.8	18.2	31.4	6	16.9	28	17.2	85	40	77	67	33	17.5	9.4	14.0	6.4	6.4	3.6	12.4	2.8	1.6	16.8	8	10.0	17
AGOSTO	19.8	28.4	21.5	22.8	29.6	18.4	31.4	5	16.9	10	17.4	88	39	81	69	25	18.7	8.6	14.0	6.9	5.8	3.2	94.2	9.8	84.1	188.1	19	84.1	14
SEPTIEMBRE	20.1	28.2	21.0	22.6	29.4	18.5	31.9	13	16.5	24	17.2	87	46	87	73	33	18.5	10.7	14.8	6.6	5.7	3.0	68.3	6.3	288.7	363.4	15	101.9	23
OCTUBRE	19.6	26.2	20.5	21.7	27.1	18.3	29.0	3	17.0	V	16.5	94	56	94	81	44	18.4	11.3	15.7	7.2	4.1	1.5	304.2	20.3	252.3	576.7	24	101.1	14
NOVIEMBRE	19.0	26.2	20.3	21.5	27.4	17.6	29.5	V	16.0	13	15.7	94	58	96	83	40	18.7	11.4	15.8	8.4	5.1	1.6	239.1	12.2	318.1	589.7	21	95.4	11
DICIEMBRE	18.9	25.9	20.7	21.6	27.0	17.5	29.5	26	14.5	V	16.2	92	55	93	80	40	19.3	10.4	15.3	8.4	4.6	1.5	153.2	12.3	105.4	270.6	20	78.3	11
MEDIA ANUAL	19.6	27.1	21.1	22.2	28.2	18.1	30.6	-	16.3	-	16.3	90	51	89	77	35	19.0	10.2	15.2	7.8	4.8	2.1	123.4	14.1	121.8	259.4	186	71.2	-

PRECIPITACION TOTAL: 3.112.4

PRECIPITACION MAXIMA: 128.9 IV - 15.

DIAS LLUVIOSOS: 186

FRECUENCIA DE PRECIPITACION Y TEMPERATURA

ESTACION: Salazar

AÑO: 1-989

MESES	PRECIPITACION												TEMPERATURA								
	7 HORAS			14 HORAS			20 HORAS			TOTAL			Mínimo	Máximo							
	Més de:	Més de:	Més de:	Més de:	Més de:	Més de:	Més de:	Més de:	Més de:	Més de:	Més de:	Més de:	Més de:	Més de:							
ENERO	12	11	4	2	-	8	4	1	-	14	9	2	1	-	17	16	14	11	11	4	-
FEBRERO	10	6	1	1	1	7	1	1	-	11	10	3	-	-	15	10	9	9	4	1	1
MARZO	2	1	1	-	-	2	-	-	-	2	1	-	-	-	4	1	1	1	1	-	-
ABRIL	12	9	7	3	2	15	7	2	-	15	13	7	3	2	19	15	15	15	12	7	3
MAYO	4	4	3	3	1	3	1	-	-	10	5	1	-	-	12	7	6	4	3	3	1
JUNIO	4	3	-	-	-	2	1	-	-	8	2	-	-	-	12	7	4	2	-	-	-
JULIO	5	2	1	-	-	1	1	-	-	2	1	-	-	-	8	4	2	1	1	-	-
AGOSTO	11	5	1	1	1	6	3	-	-	10	7	3	2	-	19	12	7	6	6	4	1
SEPTBRE	10	6	4	1	-	5	1	-	-	15	14	8	5	1	15	15	14	13	9	6	2
OCTUBRE	21	16	9	6	1	10	4	1	-	18	15	7	5	1	24	21	18	17	14	11	3
NOVIEMBRE	19	13	8	5	1	8	4	-	-	16	15	10	6	1	21	18	15	15	12	11	3
DICIEMBRE	18	10	9	4	1	2	1	1	-	15	11	4	2	-	20	16	13	12	9	4	1
SUMA ANUAL	128	86	49	26	8	69	28	6	-	136	103	45	24	5	186	142	118	106	82	51	15

FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.

MESES	PRECIPITACION MAS DE 0.1 MM.																								TOTAL
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	8-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	
ENERO	6	5	6	5	5	7	4	6	3	2	1	1	-	4	2	5	5	8	6	10	11	10	8	7	
FEBRERO	3	5	4	3	4	4	3	3	5	1	1	-	2	1	-	-	2	7	7	8	7	3	2	2	
MARZO	-	1	1	1	2	2	1	-	-	-	1	1	-	-	-	-	-	1	2	1	1	-	-	-	
ABRIL	7	6	8	6	5	3	4	6	4	1	1	3	6	6	7	10	13	11	9	11	8	9	8		
MAYO	4	3	2	3	3	2	2	1	1	1	1	2	1	-	1	3	-	5	7	4	2	3	2		
JUNIO	-	2	2	2	2	2	1	2	2	-	1	-	-	-	1	3	1	-	3	1	2	1	1		
JULIO	2	1	1	-	-	-	-	-	1	1	1	1	-	-	-	1	-	-	1	1	1	4	3		
AGOSTO	7	5	5	3	2	-	-	1	1	1	-	1	-	4	3	2	5	6	6	4	6	4	2		
SEPTBRE	3	2	1	1	1	-	-	2	1	-	-	-	1	4	1	3	8	11	11	11	11	8	7		
OCTUBRE	13	10	6	6	7	6	5	6	3	2	1	2	1	3	6	10	7	9	11	11	12	12	14		
NOVIEMBRE	6	8	5	4	3	4	3	2	2	-	-	1	4	5	5	5	6	10	12	12	17	12	14		
DICIEMBRE	5	3	1	1	1	1	1	-	-	-	1	-	2	1	-	1	4	8	11	12	14	10	7		
SUMA ANUAL	56	51	42	35	35	31	26	29	22	9	7	11	19	30	27	39	54	75	81	92	90	78	69		

FRECUENCIAS DE: NUBOSIDAD - BRILLO SOLAR - VIENTOS

AÑO: 1-969

ESTACION: Salazar

MESES	NUBOSIDAD en DECIMOS		BRILLO SOLAR HORAS		Número de días con: VIENTOS																																	
	Menos de		Más de		7 HORAS							14 HORAS							20 HORAS																			
	3.0	8.0	0.9	9.0	N	N	E	E	S	S	W	W	W	W	C	N	N	E	E	S	S	W	W	W	W	C	N	N	E	E	S	S	W	W	W	W	C	
ENERO	-	-	20	2	-	-	-	-	-	-	-	-	-	-	31	6	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
FEBRERO	-	-	18	6	-	1	-	-	-	-	-	-	-	-	26	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	
MARZO	-	-	1	4	-	-	-	-	-	-	-	-	-	-	29	11	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29		
ABRIL	-	-	-	9	-	-	-	-	-	-	-	-	-	-	30	14	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28		
MAYO	-	-	1	21	-	-	-	-	-	-	-	-	-	-	31	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30		
JUNIO	-	-	2	19	-	-	-	-	-	-	-	-	-	-	30	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27		
JULIO	-	-	2	9	-	-	-	-	-	-	-	-	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12		
AGOSTO	-	-	-	9	-	-	-	-	-	-	-	-	-	-	30	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23		
SEPTIEMBRE	-	-	2	11	-	-	-	-	-	-	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24		
OCTUBRE	-	-	-	17	-	-	-	-	-	-	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	
NOVIEMBRE	-	-	-	20	-	-	-	-	-	-	-	-	-	-	30	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	
DICIEMBRE	-	-	-	25	-	-	-	-	-	-	-	-	-	-	30	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	
SUMA ANUAL	-	-	8	209	-	-	-	-	-	-	-	-	-	-	354	79	7	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	318	

Frecuencia Horaria del Brillo Solar

MESES	Frecuencia a Pleno Sol																		Frecuencia sin Sol																	
	6-7	7-8	8-9	8-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	6-7	7-8	8-9	8-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18												
ENERO	-	-	6	12	14	12	11	9	7	3	-	-	31	17	9	8	8	8	6	6	7	9	12	21												
FEBRERO	-	-	6	7	11	10	7	7	2	1	-	-	28	16	11	4	8	8	6	5	7	6	14	15												
MARZO	-	-	-	18	18	13	12	11	10	6	2	1	-	31	10	6	4	7	9	5	5	7	14	21												
ABRIL	-	-	3	7	6	4	3	-	1	2	3	1	-	25	14	12	9	8	14	18	15	16	21	23												
MAYO	-	-	4	11	12	12	10	8	8	11	4	4	-	26	17	8	9	2	7	6	10	11	12	17												
JUNIO	-	-	5	12	18	16	13	14	11	8	5	3	-	21	11	4	7	5	6	4	5	6	9	14												
JULIO	-	-	10	14	12	13	11	9	11	13	13	8	-	19	9	4	4	4	4	3	6	7	6	7												
AGOSTO	-	-	8	15	18	14	12	12	6	4	6	1	-	26	6	6	4	4	4	5	3	6	4	12												
SEPTIEMBRE	-	-	1	16	21	20	13	9	6	9	11	2	-	30	8	5	4	4	3	1	6	3	8	11												
OCTUBRE	-	-	-	6	11	11	10	4	7	2	-	-	31	20	12	8	6	7	5	5	8	13	23													
NOVIEMBRE	-	-	-	11	13	14	15	14	13	13	11	1	-	30	16	6	4	7	5	4	7	7	9	17												
DICIEMBRE	-	-	-	4	6	11	12	11	9	7	7	-	31	21	12	7	6	5	3	4	4	5	15													
SUMA ANUAL	-	-	31	128	156	153	134	119	95	89	68	21	-	329	167	95	76	70	78	71	77	95	130	201												

RESUMEN DE ALGUNAS CARACTERISTICAS DE LA PRECIPITACION

Año 1.969

Estación: Salazar

MESES	TOTAL			No. PRECIPITACIONES		CANTIDAD		DURACION			PRECIPITACION: MAXIMA				DURACION MAXIMA			
	m. m.	Días	Días	Día	Roche	Total	Total	Roche	Total	m. m.	Durac.	Int. Max. 5/m.	Int. Max. 1/m.	ic. mín.	m. m.	Int. Med.	Int. Max. 5 min.	Int. Max. 1 min. (alt.)
Enero	255.2	17	27	27	54	114.7	140.5	39:05'	62:50'	101:55'	41.0	7:10'	0.10	0.9	32.5	0.06	1.8	0.4
Febrero	171.3	15	23	14	37	75.4	95.9	20:10'	25:25'	45:35'	90.2	12:40'	0.12	2.0	90.2	0.12	10.0	2.0
Marzo	13.5	4	6	4	10	1.9	11.6	2:25'	5:05'	7:30'	10.8	3:30'	0.05	0.2	10.8	0.05	1.0	0.2
Abril	499.8	19	39	27	66	280.9	218.9	63:05'	55:20'	118:25'	128.9	14:05'	0.15	6.2	74.5	0.07	3.5	0.7
Mayo	156.4	12	14	16	30	32.6	123.8	9:10'	22:20'	31:30'	61.1	4:45'	0.21	6.5	33.6	0.11	1.8	0.4
Junio	30.9	12	11	5	16	12.0	18.9	10:05'	10:30'	20:35'	9.9	3:55'	0.04	1.0	9.9	0.04	1.0	0.2
Julio	16.8	8	4	7	11	4.4	12.4	5:25'	9:25'	14:50'	9.4	4:10'	0.04	0.6	9.4	0.04	0.6	0.1
Agosto	188.1	19	19	25	44	94.1	94.0	22:35'	18:45'	41:20'	68.9	2:55'	0.39	6.5	16.3	0.06	2.0	0.4
Septbre.	363.4	15	20	19	39	294.5	68.9	37:05'	28:10'	65:15'	101.8	6:05'	0.28	10.0	48.2	0.08	10.1	2.0
Octbre.	516.7	24	38	43	81	272.3	304.4	50:10'	74:05'	124:15'	90.7	10:20'	0.15	6.0	90.7	0.15	6.0	1.2
Novbre.	569.7	21	28	39	67	330.7	239.0	48:25'	62:00'	110:25'	95.3	5:45'	0.28	30.0	34.9	0.07	6.0	1.2
Dicbre.	270.6	20	23	29	52	117.8	152.8	28:10'	32:00'	60:10'	78.0	6:40'	0.20	8.0	78.0	0.20	8.0	1.6
TOTALES	3,312.4	186	252	255	507	1631.3	1481.1	335:50'	405:55'	741:45'	786.0	82:00'	33	33	529.0	33	33	33

DATOS DIARIOS

Estación B. e. r. t. b. a. Mes B. a. r. o. Año 19 6 2 $\varphi = 51^{\circ} 53' N$ $\lambda = 73^{\circ} 36' WGR$ Altura 1.7 6 4 M.

Días	TEMPERATURAS					TENSION DEL VAPOR					Humedad Relativa %				Brillo Solar Horas	PRECIPITACION mm				EVAPORACION mm			VIENTOS																	
	7	14	20	Med.	Máx.	Mín.	Mínima Suelo	7	14	20	Med.	7	14	20		Med.	7	14	20	Total	7	14	20	7	14	20	7	14	20	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA								
																																	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA					
1	15.0	24.8	17.4	18.7	25.4	12.8	11.8	12.3	10.7	14.0	12.3	90	46	94	77	4.3	7.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
2	15.0	24.6	15.0	17.4	26.0	12.7	11.6	11.7	10.3	11.3	11.2	92	45	92	66	1.0	7.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---				
3	14.2	28.3	14.9	18.1	29.0	13.4	12.6	10.9	5.5	11.3	9.2	90	18	86	1.3	10.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
4	9.9	26.0	16.5	17.2	28.3	6.9	5.0	8.9	7.7	13.2	9.9	98	30	94	24	3.1	8.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
5	16.0	23.8	16.8	18.3	26.0	15.6	14.3	12.7	8.9	13.8	11.8	93	40	96	76	4.0	5.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
6	10.6	25.0	16.0	16.9	25.5	9.6	9.0	9.2	10.8	12.4	10.8	96	46	91	78	3.7	9.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
7	10.7	24.2	14.0	15.7	27.5	9.8	7.8	9.7	9.2	11.4	10.1	100	40	95	78	3.0	10.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
8	12.3	24.8	14.9	16.8	26.5	8.1	6.0	9.6	8.6	12.0	10.1	90	36	95	74	4.7	8.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
9	9.6	24.6	14.9	16.0	27.0	8.4	6.0	8.3	11.7	12.0	10.7	96	50	95	80	5.0	7.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
10	17.0	24.8	16.5	18.7	27.0	8.6	7.0	10.7	9.4	11.6	10.6	73	40	83	65	4.7	7.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
11	13.5	27.2	16.2	18.3	28.4	11.0	9.0	11.0	9.2	12.4	10.9	95	34	90	73	5.0	6.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
12	12.9	21.5	15.2	16.2	23.0	12.8	10.8	10.6	11.6	12.0	11.4	96	60	95	84	5.3	0.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
13	15.2	22.8	16.5	17.8	25.0	14.6	13.0	12.0	12.5	13.4	12.6	93	60	95	83	10.0	2.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
14	15.5	21.0	17.0	17.6	22.5	13.9	13.0	12.5	11.4	13.8	12.6	95	61	95	84	10.0	1.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
15	15.7	20.0	15.6	16.7	21.2	14.8	13.5	12.9	10.6	12.5	12.0	96	60	94	83	10.0	0.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
16	13.5	23.1	18.0	18.1	23.8	13.2	11.9	11.1	10.6	14.0	11.9	96	50	91	79	9.0	3.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
17	18.0	23.0	16.7	17.1	24.6	11.0	10.0	10.0	9.5	11.8	10.4	95	45	82	74	8.3	5.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
18	12.8	22.6	16.9	17.3	24.8	12.3	11.3	10.5	10.4	12.1	11.0	95	50	85	77	6.7	7.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
19	13.6	25.1	17.4	18.8	26.5	11.8	10.8	10.9	8.7	12.4	10.7	94	36	83	71	7.7	5.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
20	14.0	23.3	17.0	17.8	24.0	13.0	11.9	11.5	8.9	12.7	11.0	96	42	88	75	8.0	7.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
21	16.6	24.4	16.2	18.4	25.2	13.8	13.0	12.5	8.1	11.9	10.8	88	35	86	70	6.7	3.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
22	14.8	24.4	15.8	17.7	25.6	12.0	11.0	10.7	9.2	12.8	10.9	85	40	85	73	3.0	4.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
23	16.0	25.0	17.6	19.1	25.7	14.4	13.8	12.5	9.0	12.8	11.4	92	38	85	72	4.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
24	14.9	25.2	15.7	17.9	25.6	14.8	13.6	12.0	9.6	12.5	11.4	95	40	93	76	5.0	5.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
25	14.2	24.4	17.6	18.5	25.0	12.8	11.4	11.6	9.2	12.1	11.0	96	40	92	80	7.2	8.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
26	14.4	23.6	16.9	17.9	25.0	11.0	9.2	11.0	9.6	12.3	11.0	90	44	86	73	7.7	6.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
27	16.4	24.6	19.0	19.6	25.0	12.8	11.0	12.3	9.4	13.2	11.6	90	40	80	70	5.0	9.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
28	15.0	26.0	16.6	19.5	27.9	12.6	11.0	11.5	8.9	13.5	11.3	90	36	85	70	7.0	9.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
29	16.8	25.8	16.8	19.8	27.0	13.8	12.0	13.0	9.8	12.3	11.7	95	36	75	69	6.3	5.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
30	16.0	26.2	17.8	19.5	27.4	15.6	14.3	13.0	9.6	13.7	12.1	95	38	90	74	5.7	8.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
31	13.4	25.6	19.4	19.5	26.9	11.6	10.8	11.0	8.6	12.5	10.7	96	35	74	66	5.7	9.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Med.	14.1	24.4	16.7	18.0	25.7	12.2	10.9	11.2	9.6	12.2	11.1	93	42	89	75	5.8	6.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	

Precipitación total = 65.2 mm.

DATOS DIARIOS

Estación Bartba Mes Febrero Año 1969 $\phi = 5^{\circ} 53' N$ $\lambda = 73^{\circ} 36' WGR$ Altura 1.764 M.

Días	TEMPERATURAS °C			TENSION DEL VAPOR m.m			Humedad Relativa %			NEBULOSIDAD DEMOS	Brillo Solar Horas	PRECIPITACION m.m			EVAPORACION m.m			VIENTOS										
	7	14	20	Med.	Máx.	Min.	Mínima Suelo	7	14			20	Med.	7	14	20	Total	7	14	20	DIREC. CION	FUERZA	DIREC. CION	FUERZA	DIREC. CION	FUERZA	DIREC. CION	FUERZA
1	16.0	25.3	19.9	20.3	26.9	15.6		12.3	9.6	13.2	11.7	90	40	76	69													
2	12.0	20.2	20.8	20.4	29.7	10.8		10.2	8.2	14.0	10.8	97	28	76	67													
3	15.6	27.4	19.9	20.7	28.2	14.4		12.6	7.8	13.9	11.4	95	28	80	68													
4	15.0	25.9	16.8	18.6	26.6	13.6		12.1	10.0	12.9	11.7	95	40	90	75													
5	13.1	25.1	19.0	19.0	25.4	11.8		11.0	9.0	12.2	10.7	98	38	73	70													
6	14.6	25.4	20.3	20.2	26.0	13.0		12.1	13.6	13.8	13.2	97	56	78	77													
7	16.8	25.8	19.7	20.5	26.3	15.4		14.1	10.6	14.8	13.2	97	43	88	76													
8	17.1	25.0	18.5	19.8	26.0	15.4		13.1	11.1	15.1	13.1	90	47	94	77													
9	14.8	25.0	16.6	18.2	26.0	13.0		10.7	10.4	13.6	11.6	85	44	96	75													
10	13.6	25.7	18.8	19.2	26.0	11.8		11.2	10.0	13.7	11.6	96	40	85	74													
11	14.0	25.7	18.6	19.2	26.0	12.4		11.4	9.4	14.1	11.6	95	36	88	74													
12	14.7	25.3	18.8	19.4	26.6	13.7		12.0	9.2	14.0	11.7	95	38	86	73													
13	16.4	25.3	18.8	19.3	26.0	13.0		11.7	10.3	14.0	12.0	95	43	86	75													
14	15.2	25.6	18.6	19.5	26.8	14.7		12.0	9.4	13.8	11.7	93	38	86	72													
15	14.1	26.1	16.4	18.3	27.0	13.3		11.6	7.9	12.6	10.7	97	30	90	72													
16	13.0	26.5	19.0	19.4	26.9	8.9	8.1	10.7	8.6	13.9	11.1	96	33	85	71	2.7												
17	12.8	25.1	18.0	18.5	25.6	9.9	8.6	10.5	9.6	13.4	11.2	95	40	86	74	4.0	8.8											
18	16.0	26.2	18.0	19.0	25.4	13.6	13.0	12.8	10.1	12.4	11.8	94	43	80	73	6.7	5.5											
19	16.0	24.9	20.0	20.2	26.5	15.5	14.2	13.0	10.5	12.2	11.9	95	45	70	70	8.0	7.1											
20	15.8	24.9	19.4	19.9	26.4	15.3	14.0	12.9	11.2	13.5	12.5	96	48	80	75	8.0	4.0											
21	14.9	26.8	20.0	20.4	27.9	14.7	11.8	11.8	10.5	13.4	11.9	94	46	76	70	7.0	8.8											
22	14.4	26.8	18.8	19.7	27.6	12.8	11.8	11.8	10.5	15.5	12.6	96	40	95	77	8.7	5.2	0.3										
23	12.8	26.6	21.0	20.4	27.7	10.5	9.7	10.6	9.4	13.1	11.0	96	36	71	68	7.7	6.9											
24	17.5	23.1	18.0	19.2	25.0	15.0	14.4	14.3	10.2	14.7	13.1	95	48	95	79	10.0	2.1	25.7	0.1	1.3	4.6	1.2	0.0	0.0	0.0	0.0	0.0	
25	13.5	24.8	15.9	17.5	25.5	12.6	11.0	11.1	10.5	12.8	11.5	96	45	95	79	8.7	6.2	3.2										
26	14.3	25.6	19.8	19.9	26.8	13.6	12.0	11.6	11.8	13.9	12.4	96	48	80	74	6.7	5.6											
27	15.0	24.9	19.6	19.8	27.6	14.8	13.8	12.3	11.7	13.7	12.2	96	46	80	76	9.3	6.9											
28	15.3	27.1	18.6	19.9	27.9	14.8	13.6	12.3	9.2	11.2	10.9	95	34	70	66	5.7	6.9	18.5										
29																												
30																												
31																												
Med.	14.7	25.6	18.8	19.5	26.6	13.4	(12.2)	11.9	10.0	13.6	11.8	95	41	83	73	(7.2)	6.6	2.2										

Precipitación total : 66.9 m.m.

DATOS DIARIOS

Estación B. E. T. N. A. Mes Abril Año 1969 φ 5° 53' N λ 73° 36' W.G.R. Altura 1,764 M.

Días	TEMPERATURAS						TENSIÓN DEL VAPOR						Humedad Relativa %			HUBOSIDAD DEJIDOS	Brillo Solar Horas	PRECIPITACION mm			EVAPORACION mm			VIENTOS ⁴										
	Med.		Max.		Min.		Med.		Med.		Med.		Med.		Med.			Med.		Med.		Med.		Med.		Med.		Med.		Med.		Med.		
	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20			7	14	20	7	14	20	7	14	20	7	14	20	7	14	20		
1	16.0	24.7	17.4	18.4	28.0	12.2	11.6	11.7	11.8	14.2	12.6	98	50	95	81	8.0	7.5	—	—	4.3	4.3	2.3	00	0	16	2	00	0	0	0				
2	16.4	25.9	17.8	19.5	27.6	14.4	13.3	13.4	13.4	14.7	13.2	96	46	96	79	8.7	6.7	—	—	0.7	0.9	2.3	00	0	00	0	00	0	00	0				
3	17.0	26.8	18.8	20.4	27.5	15.0	14.1	14.0	14.0	15.5	13.3	96	40	95	77	5.3	2.9	0.2	—	7.4	7.4	2.3	00	0	00	0	00	0	00	0				
4	18.2	24.3	17.6	19.4	27.9	17.3	16.4	14.0	12.7	14.4	13.7	90	56	95	80	9.1	3.7	—	—	2.2	15.7	2.1	00	0	00	0	00	0	00	0				
5	17.0	26.4	19.6	20.6	27.2	15.6	15.0	13.8	9.0	14.4	12.4	95	35	95	72	8.3	6.2	7.5	2.1	—	6.0	2.0	00	0	00	0	00	0	00	0				
6	18.0	20.1	16.9	18.0	26.3	16.3	14.9	12.5	15.8	13.8	14.0	81	90	96	89	20.0	2.0	3.9	11.0	35.7	54.1	1.0	00	0	00	0	00	0	00	0				
7	16.4	23.9	17.8	19.0	24.8	14.9	14.0	13.3	12.8	14.6	13.6	95	58	95	83	8.7	1.2	7.4	—	0.7	0.7	2.0	00	0	00	0	00	0	00	0				
8	14.9	23.4	18.6	18.9	25.6	11.9	11.0	12.1	12.8	15.3	13.4	96	60	95	84	6.7	5.4	—	—	0.6	7.5	1.3	00	0	00	0	00	0	00	0				
9	16.8	20.7	16.0	18.4	22.3	15.4	14.8	13.6	15.2	14.9	14.6	95	83	96	91	10.0	0.4	6.9	1.0	6.5	20.3	0.4	00	0	00	0	00	0	00	0				
10	16.2	22.8	18.8	19.2	27.6	14.7	13.9	13.3	14.7	15.4	14.5	96	70	94	87	9.0	4.5	12.8	—	—	1.9	2.0	00	0	00	0	00	0	00	0				
11	16.0	23.0	17.8	18.6	25.9	14.9	13.9	13.1	12.6	14.7	13.5	96	60	96	84	10.0	0.9	1.9	—	—	—	—	—	—	—	—	—	—	—	—	—			
12	17.2	24.8	18.0	19.5	25.6	15.9	14.4	12.4	11.0	13.1	12.4	95	55	95	78	7.1	1.3	1.0	—	—	—	—	—	—	—	—	—	—	—	—	—			
13	18.0	25.8	19.9	20.9	26.3	15.6	14.4	12.4	11.4	14.7	12.8	80	45	85	70	7.3	6.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
14	18.0	21.8	17.9	18.9	26.4	16.7	15.8	12.8	11.8	14.6	13.1	80	60	95	82	9.3	2.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
15	16.6	19.6	17.9	18.0	24.2	14.8	13.6	13.6	13.7	14.4	13.9	96	80	94	90	10.0	0.4	—	—	10.6	—	—	—	—	—	—	—	—	—	—	—			
16	15.6	23.6	18.0	18.8	25.0	14.2	13.8	12.8	13.1	14.9	13.6	96	60	96	84	10.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
17	16.7	24.8	16.7	18.7	24.8	16.0	14.7	16.4	11.2	13.6	13.7	96	48	95	80	8.3	1.7	7.2	—	—	—	—	—	—	—	—	—	—	—	—	—			
18	15.9	25.4	18.8	19.7	26.5	13.0	12.2	12.9	12.3	15.5	13.6	96	50	95	80	6.7	6.1	1.3	—	—	—	—	—	—	—	—	—	—	—	—	—			
19	17.1	25.6	16.3	18.8	26.9	14.9	14.0	13.7	12.3	13.3	13.0	94	50	95	80	8.0	4.8	32.5	—	—	—	—	—	—	—	—	—	—	—	—	—			
20	14.8	25.0	18.6	19.2	24.6	14.6	14.0	12.3	13.4	15.3	13.6	96	56	95	82	9.1	2.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
21	17.0	27.0	18.4	20.2	28.0	15.0	14.3	14.6	9.5	14.3	12.8	100	36	93	76	9.0	1.1	13.2	—	—	—	—	—	—	—	—	—	—	—	—	—			
22	16.9	23.0	17.0	18.5	23.4	16.8	15.4	14.1	16.3	13.8	13.5	96	60	95	84	8.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
23	16.0	23.9	17.9	18.9	26.6	14.9	14.0	13.1	12.3	14.6	14.7	96	73	95	88	9.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
24	17.0	22.6	15.9	17.8	24.0	14.9	13.6	14.0	13.6	12.8	13.5	96	66	95	86	10.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
25	16.4	21.4	16.9	17.9	23.3	14.9	13.9	13.4	13.3	13.8	13.5	96	70	96	87	10.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
26	14.9	25.7	19.6	20.6	24.2	12.9	12.0	12.1	12.5	16.3	13.6	96	50	95	80	6.7	5.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
27	17.6	25.9	19.9	20.8	26.6	13.1	13.0	14.4	12.5	16.2	14.4	95	50	94	80	6.0	2.4	3.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
28	19.0	25.8	18.7	20.6	27.4	17.4	16.4	15.7	12.5	15.5	14.6	95	50	95	80	2.7	9.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
29	18.0	24.1	17.8	19.4	25.3	16.8	16.0	15.6	15.5	14.6	15.2	100	60	95	85	7.0	6.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
30	17.3	24.2	16.0	18.4	26.7	16.4	15.4	14.0	12.0	13.0	13.0	95	53	95	81	8.7	3.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Med	16.7	24.1	18.0	19.2	26.1	15.0	14.2	13.4	13.1	14.5	13.6	95	57	94	82	8.3	3.2	5.5	0.9	5.6	12.0	1.5	—	—	—	—	—	—	—	—	—	—		

Precipitación total : 360.1 mm.

DATOS DIARIOS

Estación Bertha Mes Mayo Año 1969 ϕ 34.53' N λ 121.56' W OR Altura 1,764 M.

Días	TEMPERATURA						TENSIÓN DEL VAPOR						Humedad Relativa %			Brillo Solar			PRECIPITACION mm			EVAPORACION mm			VIENTOS										
	7		14		20		7		14		20		7		14		20		7		14		20		7		14		20						
	Med.	Máx.	Mín.	Mínima Sento	Med.	Máx.	Mín.	Mínima Sento	Med.	Máx.	Mín.	Mínima Sento	Med.	Máx.	Mín.	Mínima Sento	Med.	Máx.	Mín.	Mínima Sento	Med.	Máx.	Mín.	Mínima Sento	DIREC.	FUERZA	Km./Hora	DIREC.	FUERZA	Km./Hora					
1	16.0	24.2	20.4	20.1	26.0	14.9	14.0	13.0	12.6	13.0	12.9	95	53	70	73	7.0	3.7	1.2	—	—	—	—	—	1.2	00	0	00	0	00	0					
2	18.0	25.2	21.0	21.0	26.4	17.3	16.4	14.9	11.0	14.5	13.5	96	46	60	74	8.7	1.9	—	—	—	—	—	—	3.6	16.1	0.8	00	0	00	0					
3	17.0	24.6	20.0	20.4	26.2	14.9	14.2	14.0	12.8	14.9	13.9	96	55	65	79	8.3	1.5	12.5	—	—	—	—	—	3.3	18.8	1.3	00	0	00	0					
4	18.0	20.0	19.0	19.0	22.7	17.0	16.0	13.8	13.1	15.7	14.2	90	75	95	87	10.0	2.0	17.5	3.4	3.4	1.4	5.0	1.0	00	0	00	0	00	0	00	0				
5	17.9	23.3	16.9	18.0	24.1	17.1	16.4	14.6	11.8	13.6	13.3	95	56	95	82	9.3	2.6	0.2	0.7	4.3	5.1	1.1	1.1	00	0	00	0	00	0	00	0				
6	16.0	25.1	16.6	18.6	26.0	15.0	14.3	13.1	13.1	13.5	13.2	96	55	95	82	8.7	4.5	0.1	—	—	—	—	—	2.0	00	0	16	2	00	0	00	0			
7	15.7	23.2	16.8	18.1	26.0	13.6	13.0	12.9	13.8	14.1	13.6	96	65	98	86	9.3	0.7	—	—	—	—	—	—	18.4	19.4	2.2	00	0	00	0	00	0			
8	17.0	23.9	16.9	18.7	25.0	15.8	14.6	13.8	12.2	13.4	13.1	95	55	93	81	8.7	1.4	1.0	—	—	—	—	—	—	—	—	2.0	00	0	00	0	00	0		
9	17.0	23.5	16.9	18.6	24.5	15.0	14.7	13.8	12.1	13.6	13.2	95	55	95	82	10.0	2.3	—	—	—	—	—	—	6.7	18.2	1.1	00	0	00	0	00	0			
10	15.7	20.0	16.6	17.3	23.4	14.8	14.4	12.8	15.0	13.4	13.7	95	86	93	91	10.0	2.0	11.5	3.1	7	3.5	2.0	2.0	00	0	00	0	00	0	00	0				
11	15.7	25.8	17.4	19.1	27.2	14.5	14.0	12.9	10.6	14.2	12.6	96	42	95	78	7.0	4.5	0.4	—	—	—	—	—	—	—	—	2.4	00	0	00	0	00	0		
12	15.0	29.0	19.0	20.5	29.5	13.0	11.9	10.2	8.2	14.9	13.1	80	30	91	67	2.7	7.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
13	13.5	25.6	15.6	17.7	27.7	11.0	10.0	11.0	6.3	12.8	10.7	95	33	95	74	8.0	1.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
14	17.0	22.4	15.4	17.6	24.0	14.5	14.0	13.8	14.3	11.1	13.1	95	70	85	83	10.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
15	15.4	22.8	17.4	18.2	23.4	13.6	12.8	12.6	12.5	13.9	13.0	96	60	93	83	6.3	2.6	0.2	0.8	0.8	29.1	22.7	2.0	00	0	00	0	00	0	00	0	00	0		
16	17.0	25.2	18.6	19.8	25.7	15.4	14.1	14.1	12.1	15.3	13.8	97	50	95	81	7.7	5.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
17	18.8	23.6	17.6	19.4	24.8	15.3	14.8	13.1	15.4	12.1	13.5	80	70	81	77	6.7	4.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
18	17.6	25.4	18.2	19.8	26.8	15.7	15.1	14.5	11.2	15.1	13.6	96	46	95	79	8.3	5.1	5.6	0.3	29.4	64.3	1.3	00	0	00	0	00	0	00	0	00	0	00	0	
19	16.0	25.2	16.2	18.4	25.7	13.2	12.8	13.0	13.6	13.3	13.3	95	56	95	82	6.3	4.0	34.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
20	17.4	24.9	17.2	19.2	26.3	14.6	14.1	11.9	13.0	14.0	13.0	80	55	95	77	8.0	4.6	4.7	0.1	3.5	25.6	1.2	00	0	00	0	00	0	00	0	00	0	00	0	
21	15.4	25.9	17.4	19.0	26.4	14.0	13.7	12.5	11.2	14.2	12.6	95	45	95	78	8.0	0.2	22.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
22	15.0	26.0	18.8	19.6	26.6	13.8	13.2	12.3	12.7	15.5	13.5	96	50	95	80	6.0	3.9	0.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
23	17.2	22.8	16.6	18.3	24.7	15.7	15.1	14.1	14.7	13.5	14.1	96	70	95	87	9.3	2.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
24	17.0	27.2	19.8	21.0	28.0	14.5	14.0	9.5	9.4	14.6	11.2	65	35	90	61	5.0	4.2	0.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
25	16.0	26.0	20.0	20.5	28.5	12.9	12.0	12.3	8.7	16.1	12.4	90	35	92	72	5.0	2.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
26	14.6	25.2	18.7	19.3	26.0	13.0	12.6	11.9	12.1	11.9	12.1	96	50	90	70	10.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	15.0	22.4	18.9	18.8	24.6	13.7	12.2	12.3	12.4	14.6	13.1	96	61	90	82	7.0	0.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	16.8	24.8	18.1	19.4	25.6	14.9	14.0	13.6	12.3	14.0	13.3	95	52	96	81	8.0	1.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	16.5	22.9	18.6	19.2	24.5	14.8	14.0	13.5	13.6	15.3	14.1	96	65	95	70	1.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	14.6	23.7	17.9	18.5	23.8	11.9	11.0	9.0	12.4	14.7	12.0	73	56	96	75	7.7	0.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	17.0	23.9	19.0	19.7	25.3	16.3	15.4	12.3	12.2	15.7	13.4	85	55	95	78	3.3	1.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Med.	16.3	24.0	18.0	19.2	25.6	14.6	13.8	12.8	12.2	14.2	13.1	92	54	92	79	7.6	2.6	4.5	0.3	5.2	20.0	1.6	1.6	—	—	—	—	—	—	—	—	—	—	—	—

Precipitación total 311.0 mm.

DATOS DIARIOS

Estación Bertha, Mes Junio, Año 1969, φ = 50° 53' N, λ = 73° 36' WOB, Altura 1.164 M.

Table with columns for Temperature (Temp), Vapor Tension (Ten. del Vapor), Relative Humidity (Humedad Relativa), Clouds (Nubes), Sunshine (Brillo Solar), Precipitation (Precipitacion), and Winds (Vientos). Rows include daily data from June 1 to 31, and a monthly summary (Med).

Precipitacion total : 132.1 mm.

DATOS DIARIOS

Altura 1.764 M.

$\lambda = 73^{\circ} 36' W.E.R.$

$\phi = 5^{\circ} 53' N$

Año 1969

Mes

Estación Bertha

Días	TEMPERATURAS						TENSIÓN DEL VAPOR						Humedad Relativa %			Brillo Solar Horas			PRECIPITACION mm			EVAPORACION mm			VIENTOS							
	Med.		Máx.		Mín.		Mínimo Suelo		Med.		20		14		7		Med.		20		14		7		Med.		20		14		7	
	7	14	20	Med.	Máx.	Mín.	Mínimo Suelo	7	14	20	Med.	20	14	20	Med.	7	14	20	Med.	20	14	20	Med.	7	14	20	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA
1	16.7	25.5	17.4	19.2	25.6	12.2	11.8	11.5	9.9	8.9	10.1	8.0	4.0	6.0	6.0	8.7	4.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2	15.0	22.4	16.1	17.4	23.6	12.7	10.6	11.1	12.1	13.1	12.2	8.8	6.0	9.5	8.1	10.0	0.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
3	16.7	27.1	15.6	18.8	27.9	14.3	12.4	12.9	6.1	12.5	11.2	9.0	3.0	9.4	7.1	6.0	5.5	0.3	—	—	—	—	—	—	—	—	—	—	—	—	—	
4	14.2	25.6	17.4	18.6	27.3	9.6	9.0	11.4	7.5	13.3	10.7	9.4	3.0	9.0	7.1	6.0	6.3	0.1	—	—	—	—	—	—	—	—	—	—	—	—	—	
5	14.0	25.6	17.4	18.8	26.4	9.2	8.2	11.3	8.6	14.4	11.4	9.3	3.5	9.4	7.4	6.0	2.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
6	16.0	26.4	18.6	19.9	27.3	12.8	11.6	11.6	7.9	14.4	11.3	8.5	3.0	9.0	6.8	7.0	4.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
7	14.0	21.5	15.0	16.4	22.0	11.5	11.0	11.6	11.2	12.1	11.6	9.7	5.8	9.5	8.3	8.7	0.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
8	14.1	22.6	16.0	17.2	24.6	12.0	10.8	11.4	12.3	12.3	12.0	9.5	6.0	9.0	8.2	8.0	2.5	1.0	—	—	—	—	—	—	—	—	—	—	—	—	—	
9	14.1	24.3	18.0	18.6	25.7	9.0	8.0	11.5	11.4	14.1	12.3	9.6	5.0	9.2	7.9	9.0	1.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
10	14.4	24.4	17.8	18.6	25.5	14.0	12.0	11.7	9.2	12.3	11.1	9.5	4.0	8.0	7.2	5.1	2.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
11	14.7	25.0	16.0	17.9	26.2	12.8	10.9	11.3	8.4	12.7	10.8	9.0	3.5	9.3	7.3	7.0	2.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
12	16.0	23.6	15.6	17.1	25.0	9.2	8.0	10.8	10.9	10.5	10.7	8.0	5.0	8.0	7.0	6.7	3.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	19.0	24.9	17.9	19.9	26.5	10.0	8.8	7.9	7.0	7.6	7.5	4.8	3.0	5.0	4.3	4.7	6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
14	16.5	24.6	19.2	19.9	26.0	10.0	8.8	9.9	8.2	8.4	8.8	7.0	3.5	5.0	5.2	5.0	4.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
15	13.7	23.8	16.2	17.5	25.0	10.9	9.6	10.9	9.9	11.0	11.3	9.3	4.5	9.4	7.7	9.0	2.8	0.4	—	—	—	—	—	—	—	—	—	—	—	—	—	
16	15.1	24.4	17.0	18.4	25.4	14.4	13.6	12.1	9.2	14.0	11.8	9.5	4.0	9.6	7.7	9.0	0.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	13.2	19.8	15.4	16.0	24.7	10.4	8.8	10.9	11.9	12.2	12.3	9.6	8.0	9.3	9.0	9.3	2.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	14.3	25.4	18.0	19.8	26.2	12.9	11.4	11.6	7.5	7.3	8.8	9.6	3.0	4.8	5.8	5.7	6.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	15.6	27.0	18.2	19.8	29.0	11.5	10.7	9.3	8.9	9.5	9.2	7.0	3.1	6.0	5.4	3.0	8.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	13.4	25.8	19.2	19.4	26.4	10.6	9.8	10.2	9.4	11.0	10.2	8.8	3.8	6.5	6.4	3.0	8.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	15.0	25.4	18.6	19.4	26.5	13.2	11.2	11.5	9.8	8.5	9.9	9.0	4.0	5.3	6.1	7.0	4.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	13.2	26.2	18.0	18.8	27.2	9.7	8.0	11.4	8.8	8.3	9.5	10.0	3.4	5.4	6.3	7.7	4.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	13.8	23.8	16.0	17.4	27.7	9.4	8.8	9.9	8.9	10.8	9.9	8.3	4.0	8.0	6.8	7.0	1.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	14.0	22.1	17.8	17.9	25.8	12.3	10.6	11.5	7.6	11.5	10.2	9.6	3.8	7.5	7.7	6.7	1.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	13.7	25.1	17.7	18.7	26.8	10.0	9.0	10.9	11.2	14.2	12.1	9.3	4.5	9.3	7.7	6.7	5.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	16.0	20.6	15.4	16.8	26.2	13.0	10.8	13.1	14.5	12.6	13.4	9.6	8.0	9.6	9.1	9.0	1.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	13.7	25.0	18.2	18.8	25.8	11.0	8.7	11.3	8.6	8.4	9.4	9.6	3.6	5.4	6.2	7.7	4.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	15.0	26.0	18.6	19.6	27.3	12.6	9.7	12.0	7.7	8.0	9.2	9.4	3.0	5.0	5.8	6.3	6.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	16.0	23.3	16.0	17.8	25.8	14.5	12.8	12.3	10.8	12.7	11.9	9.0	5.0	9.3	7.0	9.3	2.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	11.8	24.6	16.2	17.2	26.8	10.0	8.0	9.9	10.6	13.3	11.3	9.6	4.6	9.6	7.9	7.0	4.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	15.6	21.9	15.9	17.3	23.8	14.5	13.7	12.9	11.8	12.7	12.5	9.7	6.0	9.4	8.1	9.3	1.5	4.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Med.	14.8	24.3	17.1	18.3	26.0	11.6	10.2	11.2	9.7	11.4	10.8	8.9	4.3	7.9	7.1	7.2	4.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Precipitación total : 46.3 mm.

DATOS DIARIOS

Estación Bertha Mes Agosto Año 1969 $\phi = 5^{\circ} 53' N$ $\lambda = 73^{\circ} 36' WGR$ Altura 1.764 M.

Días	TEMPERATURAS					TENSION DEL VAPOR					Humedad Relativa %			NUBESIDAD		Brillo Solar Horas	PRECIPITACION mm			EVAPORACION			VIENTOS								
	7	14	20	Med.	Máx.	Mín.	Mínima Soles	7	14	20	Med.	7	14	20	Med.		7	14	20	Total	7	14	20	DIREC. FUERZA Km./Hora	DIREC. FUERZA Km./Hora	7	14	20	DIREC. FUERZA Km./Hora	DIREC. FUERZA Km./Hora	
																															7
1	13.8	20.9	17.6	17.5	22.4	13.1	11.8	11.9	12.8	14.4	13.0	100	70	95	88	9.3	4.3	1.1	4.2	0.1	4.3	2.0	00	00	0	00	0	00	0	00	0
2	15.5	26.9	18.4	19.8	27.5	12.2	10.2	12.5	8.8	15.0	12.1	95	33	94	74	3.3	9.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	14.7	24.0	18.8	19.0	25.0	12.3	11.7	10.8	8.9	8.9	9.5	86	40	55	60	3.7	4.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	13.0	25.0	17.8	18.4	26.2	12.2	10.0	11.3	10.1	13.7	11.7	100	43	90	78	4.7	6.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	12.4	25.0	18.8	18.8	25.7	10.8	9.2	10.8	10.4	14.6	11.9	100	44	90	78	4.0	4.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	14.2	25.2	15.4	17.6	27.0	11.7	10.0	11.5	9.6	12.6	11.2	95	40	96	77	4.0	7.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	15.4	23.9	16.8	18.2	25.3	11.0	9.2	12.2	8.9	10.0	10.4	93	40	70	68	4.7	3.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	14.0	24.9	18.8	19.1	25.5	11.7	9.2	11.4	8.5	13.7	11.2	95	36	85	72	6.0	3.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	12.7	21.0	14.8	15.8	22.0	10.4	8.2	10.5	12.1	12.1	11.6	95	65	96	85	5.7	4.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	10.0	23.2	18.0	17.3	25.3	8.6	7.7	9.2	10.8	14.6	11.5	100	50	94	81	4.3	4.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	14.0	25.0	16.9	18.2	25.6	13.3	11.4	11.5	10.8	13.8	12.0	96	46	96	79	6.7	7.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	12.0	23.0	15.4	—	23.6	9.8	8.0	10.0	12.6	12.6	11.7	96	60	96	84	4.3	4.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	16.1	22.6	16.8	16.8	24.0	13.1	11.2	12.8	11.0	13.8	12.5	94	53	96	81	4.3	6.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	17.1	22.0	17.0	18.3	24.1	14.4	12.7	13.1	15.8	14.0	14.3	80	80	96	89	6.7	5.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	15.1	17.6	16.2	16.3	25.0	13.6	12.0	10.2	13.8	13.5	12.5	80	92	97	90	8.0	5.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	15.0	18.8	16.0	16.4	23.0	14.0	13.0	12.3	14.0	13.1	13.1	96	86	96	93	10.0	4.7	2.2	1.8	1.7	3.5	1.0	00	00	0	00	0	00	0	00	0
17	14.2	21.6	17.4	17.6	23.5	13.5	12.0	11.6	14.0	14.2	13.3	96	73	95	88	8.3	2.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	13.2	23.7	16.2	17.3	24.8	12.1	10.8	11.1	11.3	13.1	11.8	98	51	95	81	5.3	8.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	16.4	24.7	16.5	18.5	25.7	13.7	12.4	13.4	12.3	13.4	13.0	96	52	95	81	7.7	5.8	3.0	—	—	—	—	—	—	—	—	—	—	—	—	—
20	14.1	26.6	17.6	19.0	27.5	12.9	11.5	12.1	9.2	14.4	11.9	100	35	95	77	5.3	4.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	14.9	23.9	15.8	17.6	24.7	13.7	12.0	12.6	11.1	12.9	12.2	100	50	96	82	2.3	9.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	13.6	22.9	17.2	17.7	23.9	12.8	10.8	11.8	12.5	13.7	12.7	100	60	93	84	6.0	5.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	13.0	21.0	16.3	16.6	24.9	10.7	9.8	10.5	7.5	13.5	10.5	95	40	98	78	3.3	4.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	13.0	17.4	15.8	15.5	22.5	10.0	8.8	10.7	13.3	12.8	12.3	96	90	95	94	7.0	2.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	14.4	23.6	15.6	17.3	25.0	13.4	12.0	11.8	10.6	12.8	11.7	96	48	96	80	7.3	7.7	0.3	—	—	—	—	—	—	—	—	—	—	—	—	—
26	12.6	20.2	17.0	16.7	23.6	11.0	10.0	10.9	15.9	14.0	13.6	100	90	96	95	8.7	5.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	16.2	22.4	15.1	17.2	24.0	14.8	14.0	12.9	10.9	12.1	12.0	93	53	95	80	7.0	4.6	0.1	—	—	—	—	—	—	—	—	—	—	—	—	—
28	11.6	25.0	15.4	16.8	26.7	10.0	8.0	10.2	12.9	12.9	12.0	100	54	98	84	6.0	8.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	14.1	24.3	16.9	18.0	27.0	11.6	10.0	11.5	11.4	13.5	12.1	96	50	94	80	5.7	6.5	0.8	—	—	—	—	—	—	—	—	—	—	—	—	—
30	13.8	26.8	18.8	19.6	26.8	13.6	12.4	11.3	8.0	14.0	11.1	96	30	86	71	6.3	8.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	14.0	25.2	18.8	19.2	26.7	11.6	10.5	10.3	8.4	13.4	10.7	86	35	83	68	7.3	4.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Med	14.0	23.2	16.9	17.7	25.0	12.2	10.7	11.4	11.2	13.3	12.0	95	54	92	81	5.9	5.6	0.2	1.2	2.8	4.2	1.7	—	—	—	—	—	—	—	—	—

Precipitación total : 131.1 m.m.

DATOS DIARIOS

Estación Boriba Mes Septiembre Año 1969 $\phi = 5^{\circ} 53' N$ $\lambda = 73^{\circ} 36' WGR$ Altura 1.764 M.

Días	TEMPERATURAS °C					TENSION DEL VAPOR mm			Humedad Relativa %			NEBROSIDAD DEHORAS			PRECIPITACION mm			VIENTOS								
	7	14	20	Mód.	Máx.	Mín.	Mínima Suelo	7	14	20	Mód.	7	14	20	Mód.	7	14	20	Total	DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora			
																								7	14	20	Mód.
1	14.0	23.3	15.0	16.8	25.2	13.2	12.0	12.1	13.8	10.8	12.2	100	65	85	83	8.3	5.2	—	—	—	—	—	—	—	—	
2	13.0	26.1	17.0	18.3	27.1	10.0	8.9	11.0	6.5	13.8	11.1	98	33	95	75	6.0	8.0	—	—	—	—	—	—	—	—	
3	12.8	25.9	17.5	18.4	26.2	11.9	8.7	11.1	10.0	14.4	11.8	100	40	96	79	6.0	8.8	0.5	—	—	—	—	—	—	—	
4	15.0	27.9	17.6	19.5	28.8	11.0	8.7	8.8	7.0	13.5	9.8	70	25	90	62	2.0	10.5	—	—	—	—	—	—	—	—	
5	17.3	27.1	16.8	19.5	27.2	13.0	12.3	10.3	8.9	12.9	10.7	70	33	90	64	4.7	8.8	—	—	—	—	—	—	—	—	
6	13.6	24.9	17.9	18.6	26.2	12.0	11.2	11.1	8.2	14.6	11.3	95	35	85	75	6.0	5.3	—	—	—	—	—	—	—	—	
7	14.8	24.6	19.0	19.4	27.2	11.8	10.9	12.6	10.3	13.9	12.3	100	45	85	71	4.7	6.1	—	—	—	—	—	—	—	—	
8	12.6	24.9	18.8	19.3	29.3	10.8	10.4	10.9	10.0	15.5	12.1	100	38	95	76	1.7	10.4	—	—	—	—	—	—	—	—	
9	15.0	27.8	18.9	20.2	28.5	13.1	12.2	11.5	8.4	13.7	11.2	90	30	85	68	4.7	7.2	—	—	—	—	—	—	—	—	
10	16.2	28.8	19.2	20.8	29.0	15.0	14.1	13.3	8.6	9.2	10.4	96	28	80	59	4.0	6.8	—	—	—	—	—	—	—	—	
11	14.9	26.5	17.0	18.8	27.4	11.3	10.0	10.7	7.8	11.6	10.0	85	30	80	65	2.7	9.4	—	—	—	—	—	—	—	—	
12	13.3	26.8	21.0	20.5	28.3	9.5	9.0	10.3	7.3	8.5	8.7	90	28	45	54	5.0	6.5	—	—	—	—	—	—	—	—	
13	15.4	26.2	20.0	20.4	28.2	11.2	10.1	11.1	8.0	8.5	9.2	85	30	48	54	3.0	9.9	—	—	—	—	—	—	—	—	
14	15.0	25.6	19.4	19.8	27.7	11.8	10.8	11.5	8.4	14.4	11.4	90	34	86	70	4.7	6.1	—	—	—	—	—	—	—	—	
15	13.7	24.1	17.9	18.4	24.8	11.0	9.9	10.9	11.2	14.4	12.2	93	50	94	79	7.0	2.5	0.1	—	—	—	—	—	—	—	
16	15.4	22.4	17.0	18.0	23.3	14.1	13.4	12.5	14.3	13.8	13.6	96	70	95	87	5.7	1.8	—	—	—	—	—	—	—	—	
17	14.0	24.1	16.7	17.9	24.7	13.2	12.0	11.4	10.0	13.2	11.5	95	45	92	77	6.0	3.3	—	—	—	—	—	—	—	—	
18	16.4	23.4	17.0	18.4	24.0	14.8	13.7	13.2	12.9	14.0	13.4	94	60	96	83	8.3	4.1	—	—	—	—	—	—	—	—	
19	15.8	18.2	16.6	16.8	20.8	15.7	15.1	13.4	14.2	13.4	13.7	100	91	96	67	5.3	13.3	1.9	1.5	8.0	0.3	0.0	0.0	0.0	0.0	
20	15.3	21.4	16.2	16.8	23.0	13.9	13.0	13.0	13.3	12.4	12.9	100	70	96	89	8.0	4.5	4.6	7	4.8	6.7	1.2	0.0	0.0	0.0	
21	15.0	20.6	17.0	17.4	23.1	13.7	12.9	11.5	15.2	13.8	13.5	90	84	95	90	6.7	5.0	1.9	3.1	1.2	0.0	0.0	0.0	0.0	0.0	
22	14.0	24.3	17.5	18.3	25.7	13.2	12.7	12.1	13.5	13.4	13.0	100	60	90	83	8.3	5.0	—	—	—	—	—	—	—	—	
23	15.3	20.0	16.6	17.1	26.0	13.7	12.9	12.4	12.2	14.5	13.0	96	70	100	89	8.0	5.5	0.4	—	—	—	—	—	—	—	
24	15.0	23.3	17.5	18.4	24.0	13.8	12.9	12.8	11.4	13.5	12.6	100	53	90	81	3.6	1.0	—	—	—	—	—	—	—	—	
25	17.8	22.2	17.1	18.8	25.0	15.6	14.0	14.2	12.0	14.8	13.7	93	60	98	84	6.7	4.9	—	—	—	—	—	—	—	—	
26	16.7	24.8	16.8	18.8	25.6	15.7	14.5	13.5	11.8	13.8	13.0	94	90	96	87	5.0	8.7	—	—	—	—	—	—	—	—	
27	15.7	23.6	17.9	18.8	25.0	14.4	14.0	13.5	10.9	14.6	13.0	100	50	95	82	8.7	4.4	11.8	—	—	—	—	—	—	—	
28	15.0	23.7	17.6	18.5	25.0	13.7	13.0	12.5	11.1	14.4	12.7	98	50	95	81	8.7	5.9	4.1	—	—	—	—	—	—	—	
29	15.1	21.2	17.4	17.8	24.0	14.8	13.6	12.3	11.3	11.3	11.6	96	60	75	77	10.0	5.7	14.4	—	—	—	—	—	—	—	
30	15.7	23.6	18.2	18.9	24.3	14.0	13.3	12.7	10.6	14.9	12.7	94	48	95	79	1.3	8.4	6.8	—	—	—	—	—	—	—	
31																										
Med.	15.0	24.3	17.7	18.6	25.8	13.0	12.0	11.9	10.7	13.2	11.9	94	49	88	77	6.2	6.2	4.2	0.2	1.5	5.9	2.1	—	—	—	

Precipitación total : 178.1 mm.

DATOS DIARIOS

Estación Borcha Mes Octubre Año 1969 $\phi = 5^{\circ} 53' N$ $\lambda = 73^{\circ} 36' WGR$ Altura 1.754 M.

Días	TEMPERATURAS				TENSION DEL VAPOR				Humedad Relativa			BRILLO SOLAR HORAS	PRECIPITACION			EAPORACION			VIENTOS						
	7	14	20	Med.	Max.	Min.	Mínima Suelo	7	14	20	Med.		7	14	20	Total	7	14	20	7	14	20	DIREC. CION	FUERZA	Km./Hora
1	17.2	23.0	17.8	19.0	24.1	16.0		13.1	11.7	14.6	13.1	90	55	95	80	6.0	5.5	0.7							
2	16.8	22.0	17.1	18.2	24.0	15.0		13.4	11.2	14.0	12.9	93	56	96	82	4.7	5.9		0.3	2.6	7.7				
3	15.0	21.2	16.0	16.8	24.4	13.8		12.3	14.6	13.1	13.1	96	81	94	92	8.0	2.2	4.8		9.2	13.0				
4	16.2	22.4	16.1	17.1	22.6	14.7		12.6	12.1	13.0	12.6	91	60	94	80	2.8	3.8			0.1	2.0				
5	15.0	21.8	16.0	17.2	22.4	14.3		12.3	10.3	13.0	11.9	96	53	95	81	6.0	3.4	1.9	0.6		28.0				
6	15.3	22.4	16.3	17.6	22.8	14.5		12.7	9.9	13.0	11.4	98	48	94	80	6.7	2.8	21.4			26.2				
7	16.0	24.3	16.1	16.1	24.4	14.4		13.0	12.3	13.0	12.8	95	54	95	81	5.0	5.0	13.0		6.5	14.0				
8	15.0	21.0	16.8	17.4	22.2	14.3		12.5	13.0	13.6	13.0	98	70	95	88	4.7	5.0	7.5		3.4	3.4				
9	15.1	22.0	16.0	17.3	22.4	14.6		12.4	11.9	13.1	12.5	96	60	96	84	4.7	4.7								
10	15.2	25.0	18.2	19.2	25.3	14.0		12.4	11.9	14.5	12.9	96	50	93	80	4.0	6.1		0.2	8.4	20.7				
11	15.5	21.0	16.0	17.1	22.5	13.8		12.7	15.6	13.0	13.8	96	84	95	92	8.0	1.1								
12	14.4	23.0	17.6	18.2	23.4	13.6		12.0	13.1	14.4	12.6	98	53	95	82	4.3	4.8	12.1							
13	16.0	22.0	16.3	17.6	22.6	14.7		13.1	11.9	13.3	12.8	96	60	96	84	4.7	5.1	4.2							
14	15.0	23.0	16.0	17.5	23.6	14.4		12.5	10.8	13.1	12.1	98	51	96	82	4.0	6.0								
15	15.2	20.0	18.0	17.8	22.0	14.0		12.4	14.1	14.6	13.7	96	80	94	90	9.7	1.9		6.5	0.9	14.8				
16	15.0	17.8	14.0	15.2	21.5	14.4		12.5	13.7	11.4	12.5	98	90	95	94	9.7	0.9	7.4	0.9	4.6	5.5				
17	14.0	24.0	17.3	18.2	23.0	9.0		10.2	13.2	13.9	11.8	85	50	94	76	3.0	9.9								
18	18.0	21.0	15.6	17.6	23.0	14.0		13.1	13.0	12.6	12.9	85	70	95	83	10.0									
19	17.0	27.6	17.6	20.0	28.3	11.4		14.6	8.4	10.6	11.2	100	30	70	67	2.1	10.0								
20	13.8	25.6	15.3	17.4	25.5	12.2		11.3	7.2	12.4	10.3	96	30	94	74	3.0	8.5								
21	13.6	23.6	16.8	17.4	25.4	12.4		11.0	11.8	13.8	12.2	98	56	96	83	4.7	7.3	0.4		1.3	40.0				
22	15.0	22.0	15.0	16.8	22.4	13.6		12.3	10.1	12.3	11.6	96	51	96	81	4.7	4.5	18.9	0.9		1.1				
23	15.0	22.2	17.7	18.2	24.0	14.2		12.3	11.2	14.7	12.7	96	56	96	83	5.0	5.7	9.2			25.9				
24	15.0	20.0	16.8	17.2	21.8	14.4		12.3	10.6	13.6	12.2	96	60	95	84	8.0	1.5	25.9	5.0	0.2	12.1				
25	15.2	19.6	16.8	17.1	23.0	14.3		13.0	13.7	13.8	13.5	100	80	96	92	6.0	3.2	6.9		1.2	11.5				
26	15.3	24.4	16.8	18.3	25.3	14.4		13.0	9.2	13.8	12.0	100	40	96	79	3.0	8.6	10.3							
27	16.3	23.0	17.6	18.6	25.0	15.3		13.1	10.6	14.4	12.8	96	50	95	80	6.0	6.0	0.5	0.3						
28	15.0	22.2	17.4	18.0	25.0	11.8		12.8	10.5	14.2	13.5	100	54	96	83	4.7	5.7		0.1		0.5				
29	15.4	17.4	15.0	15.7	26.0	13.0		13.1	13.9	12.5	13.2	100	93	98	97	5.0	5.1	0.4		10.6	10.6				
30	13.0	24.3	16.0	17.3	25.4	11.8		11.3	9.2	13.1	11.2	100	40	96	79	3.7	6.8				0.3				
31	15.0	24.4	18.0	18.3	25.0	13.8		12.8	12.5	14.9	13.4	100	53	96	83	4.0	8.0	0.1		15.4	17.4				
Med	15.3	22.3	16.6	17.7	24.0	13.7		12.5	11.6	13.4	12.5	96	59	94	83	5.5	5.0	5.4	0.9	2.5	9.5				

Precipitación total 294.5 m.m.

DATOS DIARIOS

Estación B. A. T. B. Mes NOVIEMBRE. AÑO 19 6 9 $\phi = 5^{\circ} 53' N$ $\lambda = 79^{\circ} 16' W GR$ Altura 1.176.4 M.

Días	TEMPERATURAS $^{\circ}C$						TENSION DEL VAPOR m m			Humedad Relativa %			NEBULOSIDAD DECIMOS		Brillo Solar Horas	PRECIPITACION m m			EVAPORACION			VIENTOS					
	Med.		Máx.		Mín.		Med.		Med.		7		14			20		7			14			20			
	7	14	20	Med.	Máx.	Mín.	Mínimo Sueto	7	14	20	Med.	7	14	20		Med.	7	14	20	Total	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA	
1	15.0	21.8	17.6	18.0	22.4	13.0	12.5	12.8	14.2	14.0	13.7	100	73	93	89	6.7	3.4	22.0	0.2	—	—	—	—	—	—	—	
2	13.4	22.4	16.0	17.0	23.3	11.8	10.6	11.6	11.3	14.0	12.0	100	55	95	81	4.7	6.4	0.2	20.2	49.6	1.8	—	—	—	—	—	
3	10.0	24.2	18.2	17.6	25.3	9.6	9.0	9.2	11.4	14.6	11.7	100	50	93	81	3.0	9.6	29.4	—	—	—	—	—	—	—	—	
4	15.8	25.0	18.0	19.2	25.4	12.4	12.4	13.3	10.6	14.7	12.9	100	45	95	86	2.7	9.7	—	—	—	—	—	—	—	—	—	
5	16.0	21.2	16.0	17.3	23.0	14.1	12.4	13.7	9.9	13.2	12.2	100	53	95	83	0.0	2.7	1.3	—	—	—	—	—	—	—	—	
6	15.0	23.6	16.8	18.0	24.8	13.1	11.9	12.8	9.8	14.4	12.1	100	45	100	82	3.0	9.7	2.8	—	—	—	—	—	—	—	—	
7	16.5	24.6	16.0	19.3	25.2	14.7	14.0	13.4	11.7	14.7	13.3	95	50	95	80	4.0	7.4	—	—	—	—	—	—	—	—	—	
8	16.2	24.0	17.4	17.6	23.1	15.3	14.2	13.3	14.4	14.2	14.0	96	82	95	91	6.0	3.3	—	—	—	—	—	—	—	—	—	
9	16.2	22.2	16.4	17.8	23.6	14.1	13.0	13.5	12.0	14.1	13.2	98	60	100	86	4.0	6.1	2.6	—	—	—	—	—	—	—	—	
10	14.1	21.4	16.2	17.0	23.0	13.8	13.0	11.6	15.3	13.3	13.4	96	80	96	91	5.0	4.6	—	—	—	—	—	—	—	—	—	
11	15.0	23.0	16.6	17.8	25.0	13.4	11.8	12.8	10.6	14.2	12.4	100	50	100	83	4.7	7.2	—	—	—	—	—	—	—	—	—	
12	16.2	20.4	16.3	17.3	24.2	14.8	14.0	13.9	12.6	13.9	13.5	100	78	100	80	6.0	4.2	20.0	1.2	3.3	4.4	0.4	—	—	—	—	
13	13.4	24.8	18.0	18.6	26.0	12.4	12.0	11.6	11.8	14.7	12.7	100	90	95	82	3.3	8.8	0.1	—	—	—	—	—	—	—	—	
14	16.9	25.9	16.4	18.4	26.3	13.0	12.4	12.6	12.5	14.1	13.1	100	50	100	83	4.0	7.4	0.2	—	—	—	—	—	—	—	—	
15	16.2	24.8	18.4	19.4	25.3	15.4	14.4	13.9	11.8	14.2	13.3	100	50	90	80	3.0	9.2	0.2	—	—	—	—	—	—	—	—	
16	11.0	23.0	17.0	18.5	24.5	14.4	13.3	13.1	10.6	13.8	12.5	90	95	78	5.0	6.6	0.9	—	—	—	—	—	—	—	—	—	
17	17.2	22.3	16.1	17.9	24.3	15.0	14.3	14.1	10.8	12.3	12.4	96	53	90	86	5.0	7.4	0.2	—	—	—	—	—	—	—	—	
18	14.0	22.4	16.2	17.2	23.3	13.3	12.0	12.1	14.3	13.9	13.4	100	70	100	90	5.7	7.1	0.2	—	—	—	—	—	—	—	—	
19	16.0	24.3	17.6	18.9	25.0	15.0	14.2	13.7	9.2	15.2	12.7	100	40	100	80	4.3	7.4	2.9	—	—	—	—	—	—	—	—	
20	15.0	22.0	16.0	17.2	22.4	14.8	14.0	12.8	11.9	12.7	12.5	100	60	93	84	0.0	2.9	25.5	1.3	—	—	—	—	—	—	—	
21	15.0	24.3	16.8	18.4	24.2	15.4	14.3	15.6	10.9	13.8	12.6	96	53	93	81	5.0	5.0	—	—	—	—	—	—	—	—	—	
22	18.0	23.6	16.0	18.4	24.2	15.4	14.3	12.3	12.0	13.4	12.6	100	50	100	83	7.0	3.4	—	—	—	—	—	—	—	—	—	
23	16.3	22.4	18.0	18.7	26.0	14.8	13.6	13.9	12.1	13.8	13.3	100	60	90	83	6.0	6.5	—	—	—	—	—	—	—	—	—	
24	17.0	23.2	16.2	18.2	24.0	16.3	15.0	14.6	12.8	13.9	13.8	100	60	100	87	5.7	2.1	16.0	3.1	27.7	28.8	0.2	—	—	—	—	
25	15.0	23.8	17.6	18.5	26.0	14.0	13.1	12.8	13.3	14.0	13.4	100	60	93	84	4.7	7.1	—	—	—	—	—	—	—	—	—	
26	13.0	24.2	18.0	18.3	25.4	12.1	11.0	11.3	10.3	13.8	13.7	100	45	90	78	3.0	8.5	4.5	—	—	—	—	—	—	—	—	
27	13.0	24.8	18.6	18.8	25.4	13.3	10.3	11.3	10.5	12.9	11.6	100	45	86	75	2.0	9.3	—	—	—	—	—	—	—	—	—	
28	15.0	23.2	16.0	17.6	26.0	14.7	14.0	12.8	11.4	12.7	12.6	100	53	100	84	4.7	6.7	2.7	—	—	—	—	—	—	—	—	
29	13.9	25.0	17.6	18.5	26.6	12.3	11.4	12.1	10.6	14.4	12.4	100	45	95	80	3.0	8.8	—	—	—	—	—	—	—	—	—	
30	14.4	25.3	16.8	18.3	26.0	13.0	12.4	12.4	12.1	14.4	13.0	100	50	100	83	3.0	9.5	—	—	—	—	—	—	—	—	—	
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Med.	15.1	23.3	17.0	18.1	24.7	13.7	12.8	12.8	11.8	13.9	12.8	99	56	95	83	4.8	6.6	4.4	0.2	2.6	6.9	1.5	—	—	—	—	

Precipitación total : 26.1 mm.

DATOS DIARIOS

Estación Berthe Mes Diciembre Año 1952 Altura 1.764 M.

Días	TEMPERATURA °C						TENSION DEL VAPOUR mm						Humedad Relativa %			HUBOSIDAD DECIMOS	Brillo Solar Horas	PRECIPITACION mm			EVAPORACION mm			VIENTOS						
	7	14	20	Med.	Máx.	Mín. Suelo	7	14	20	Med.	7	14	20	Med.	7			14	20	Total	7	14	20	Total	DIREC. K.m/Hora	DIREC. K.m/Hora	FUEZA K.m/Hora	DIREC. K.m/Hora	DIREC. K.m/Hora	FUEZA K.m/Hora
1	14.6	22.2	17.0	17.7	23.0	13.8	13.0	12.5	12.0	14.6	13.0	14.0	60	100	87	5.9	10.1	--	2.0	2.0	1.3									
2	15.0	23.6	16.2	17.8	25.0	12.8	12.0	12.8	11.7	13.9	12.6	10.8	53	100	84	6.2	--	--	0.4	0.4	0.4	1.4								
3	16.2	24.6	18.0	18.1	25.4	14.7	14.0	13.1	12.3	13.7	13.0	95	53	80	7.7	7.7	--	13.1	13.1	2.2										
4	14.0	23.3	16.2	17.4	24.9	10.0	9.5	12.1	11.4	13.3	12.3	100	53	96	8.1	7.0	--	7.3	8.2	0.4										
5	15.2	23.0	17.0	18.0	24.0	11.5	10.0	13.0	13.8	14.6	13.8	100	65	100	8.8	2.2	0.9	--	1.7	3.3	0.4									
6	16.4	22.8	17.6	17.6	25.0	14.0	12.0	13.7	13.1	13.3	12.7	98	53	100	84	5.0	1.6	1.3	0.7	11.4	1.1									
7	16.0	24.8	17.6	19.0	25.0	14.0	13.5	13.7	12.6	15.2	13.8	100	55	100	85	8.0	9.4	--	--	--	--	0.6	1.6							
8	16.0	23.0	16.0	18.8	25.1	13.0	12.0	12.4	11.3	14.4	12.7	91	53	79	7.0	7.0	--	--	--	--	--	0.6	1.6							
9	16.6	23.6	18.4	19.2	24.5	13.0	12.0	12.9	9.8	14.6	12.4	91	45	91	7.6	6.7	5.8	6.6	--	0.2	0.2	2.0								
10	17.2	24.2	18.0	19.4	25.0	15.5	13.5	13.9	16.1	14.6	12.9	94	45	94	7.8	9.4	6.9	6.9	--	--	7.8	1.4								
11	16.6	25.4	17.2	19.1	25.5	15.0	14.0	13.2	10.8	13.2	12.4	93	45	90	7.6	5.7	7.8	7.8	--	--	0.2	0.2								
12	17.6	25.4	17.8	19.6	25.5	15.0	14.5	14.0	12.3	10.7	12.3	93	50	70	7.1	4.7	5.7	7.8	--	--	0.2	1.0	1.0	3.3						
13	16.6	23.4	17.4	18.7	24.9	16.0	14.6	14.3	10.8	13.3	12.8	140	50	90	8.0	6.0	6.0	4.2	0.9	0.9	1.6	2.6	1.1							
14	15.6	25.4	18.4	19.4	26.0	14.8	14.0	11.9	10.8	14.7	12.5	90	45	93	7.6	6.3	2.8	0.1	--	--	0.1	0.1	1.1							
15	16.6	24.2	18.2	19.3	25.0	15.2	14.6	12.6	9.2	12.5	12.2	89	40	93	7.4	6.0	5.0	--	--	--	--	--	2.0							
16	13.4	24.4	16.0	17.4	25.5	9.5	9.0	16.8	11.5	13.5	11.9	94	50	94	7.9	6.3	3.8	--	--	--	--	--	1.4							
17	15.0	23.6	16.2	17.8	25.5	13.6	13.0	11.6	10.9	11.9	11.5	90	50	93	7.8	6.0	5.1	--	--	16.9	16.9	3.1								
18	13.6	23.2	17.3	17.6	25.4	11.0	10.0	11.2	9.6	12.2	11.3	96	45	90	7.7	6.7	6.4	--	--	13.2	17.5	1.1								
19	13.2	25.6	18.0	18.7	26.5	12.5	12.0	10.6	9.8	14.0	11.5	94	40	91	7.5	6.3	5.8	4.1	--	--	0.5	2.1								
20	14.6	24.4	17.9	18.7	25.3	12.9	12.5	11.7	11.5	14.6	12.6	94	50	90	8.0	8.0	5.7	0.5	--	--	1.5	1.5	1.2							
21	15.0	24.1	17.3	18.4	25.5	13.5	13.0	12.7	13.5	14.0	13.4	98	60	95	8.4	7.0	6.5	--	--	0.7	2.0	1.2								
22	16.0	24.2	18.6	19.4	24.9	15.0	13.0	13.1	10.1	13.5	12.2	96	45	95	7.5	6.0	7.5	3.1	--	--	1.4	1.5	1.4							
23	15.0	23.4	16.2	17.7	25.0	13.5	12.0	12.8	12.9	12.4	12.7	100	60	90	8.9	6.3	5.3	6.1	--	--	9.4	9.4	3.1							
24	13.4	25.4	18.6	19.0	26.3	12.9	12.0	11.0	9.8	11.7	9.6	60	40	93	7.5	5.0	9.4	--	--	--	--	--	1.3							
25	16.4	25.7	19.0	20.0	26.6	12.5	11.5	8.4	10.6	13.2	16.5	60	46	80	6.0	5.0	6.2	--	--	--	--	--	2.0							
26	13.8	24.8	17.0	18.2	26.4	13.0	12.0	11.9	10.5	13.8	12.1	100	45	90	8.0	6.0	6.3	--	--	--	0.2	2.0								
27	15.9	23.2	18.0	18.8	25.8	15.9	15.0	12.8	16.8	13.8	12.5	95	50	90	7.2	7.0	5.9	0.2	--	--	--	--	2.0							
28	15.6	25.4	18.0	19.2	25.9	14.9	14.0	12.3	10.8	13.6	12.3	93	45	90	7.6	5.0	6.3	--	--	--	--	--	2.1							
29	16.4	25.2	17.0	18.9	26.5	16.0	14.5	13.3	10.7	13.1	12.4	95	45	90	7.7	5.0	7.3	--	--	--	--	--	2.3							
30	10.0	26.8	18.0	18.2	27.4	8.5	8.0	9.2	8.0	13.8	16.3	100	30	90	7.3	4.0	7.0	--	--	--	--	--	2.4							
31	12.0	25.6	18.8	18.8	27.0	11.0	10.0	10.5	11.0	13.7	11.7	100	45	85	7.7	6.7	6.4	--	--	2.6	2.9	2.1								
Med.	15.1	24.3	17.4	18.6	25.5	13.4	12.4	12.3	11.0	13.7	12.3	95	48	92	7.8	6.2	6.0	6.1	1.2	0.1	2.4	3.3	1.6							

Precipitación total (103.1 mm)

RESUMEN MENSUAL Y ANUAL

ESTACION: Barúa

AÑO: 1969

M E S	PRESION ATMOSFERICA SOBRE 600 MM. HG.			TEMPERATURA OC			TEMPERATURAS EXTREMAS OC						HUMEDAD RELATIVA %			TENSION DEL VAPOR MM. HG.			NUBOSIDAD MEDIA EN DECIMOS			PRECIPITACION MM.			DIAS LLUVIOSOS				
	MAXIMA	MEDIA	MINIMA	MAXIMA	MEDIA	MINIMA	MAXIMA ABSOLUTA	MEDIA	MINIMA ABSOLUTA	DIA	MINIMA	DIA	MAXIMA	MEDIA	MINIMA	MAXIMA ABSOLUTA	MEDIA	MINIMA ABSOLUTA	MAXIMA ABSOLUTA	EN DECIMOS	HORAS	EN DECIMOS	HORAS	EN DECIMOS		HORAS			
																											7	14	20
ENERO	14.1	24.4	16.7	18.0	25.7	12.2	29.0	3	8.1	8	10.9	93	42	89	75	18	14.0	5.5	11.1	5.8	6.2	2.3	37.3	2.1	25.8	65.2	13	12.6	5
FEBRERO	14.7	25.6	18.8	19.5	26.6	13.4	29.7	2	8.9	16	12.2	95	41	83	73	28	15.5	7.8	11.8	7.2	6.6	2.6	60.2	0.8	7.9	68.9	12	25.7	23
MARZO	14.8	25.8	18.6	19.4	27.4	12.8	33.0	9	7.2	19	11.6	94	44	89	76	20	15.7	6.6	12.3	6.2	5.2	2.3	44.3	3.6	32.2	80.1	15	20.1	28
ABRIL	16.7	24.1	18.0	19.2	26.1	15.0	28.2	20	11.9	8	14.1	95	37	94	82	35	16.4	9.0	13.6	8.3	3.2	1.5	164.7	27.6	166.6	360.1	26	54.1	6
MAYO	16.3	24.0	18.0	19.2	25.6	14.6	29.5	12	11.0	13	13.8	92	54	92	79	30	16.1	8.2	13.1	7.6	2.6	1.6	140.9	10.5	160.5	311.0	23	64.3	18
JUNIO	15.4	23.2	17.2	18.3	25.0	13.1	27.5	15	9.9	13	12.3	93	58	82	81	40	15.2	8.6	12.6	8.0	2.6	1.6	44.0	5.1	83.3	132.1	25	25.3	23
JULIO	14.8	24.3	17.1	18.3	26.0	11.6	29.0	19	9.0	9	10.2	89	43	79	71	30	14.5	7.0	10.8	7.2	4.0	2.4	5.8	1.8	37.6	46.3	10	24.9	30
AGOSTO	14.0	23.2	16.9	17.7	25.0	12.2	28.8	30	8.6	10	10.7	95	54	92	81	33	15.9	7.5	12.0	5.9	5.6	1.7	7.5	37.9	86.8	131.1	22	29.2	15
SEPTIEMBRE	19.0	24.3	17.7	18.6	25.8	13.0	29.3	8	9.5	12	12.0	94	49	88	77	25	15.5	7.0	11.9	6.2	6.2	2.1	127.5	5.0	44.9	178.1	19	37.9	18
OCTUBRE	15.3	22.3	16.6	17.7	24.0	13.7	28.3	19	9.0	17		96	59	94	83	30	15.6	7.2	12.5	5.5	5.0		166.4	26.1	78.7	294.5	24	40.0	21
NOVIEMBRE	15.1	23.3	17.0	18.1	24.7	13.7	26.6	29	9.6	3	12.8	99	56	95	83	40	15.6	9.2	12.8	4.8	6.6	1.5	131.8	7.7	78.5	206.1	24	49.6	2
DICIEMBRE	15.1	24.3	17.4	18.6	25.5	13.4	27.4	30	8.5	30	12.4	95	48	92	76	30	15.2	8.0	12.3	6.1	6.0	1.6	37.8	2.2	72.9	103.1	21	17.5	18
MEDIA ANUAL	15.1	24.1	17.5	18.6	25.6	13.2	28.8	—	9.3	—	(12.1)	94	50	89	78	30	15.4	7.6	12.2	(6.5)	(5.0)	(0.9)	80.7	11.0	73.0	164.7	234	33.4	—

PRECIPITACION TOTAL: 1.976.6

PRECIPITACION MAXIMA: 64.3 - V - 16

DIAS LLUVIOSOS: 234

FRECUENCIA DE PRECIPITACION Y TEMPERATURA

ESTACION: Bertha

AÑO: 1969

MESES	PRECIPITACION												TOTAL				TEMPERATURA					
	7 HORAS			14 HORAS			20 HORAS			Mds. de:			Mínima	Máxima	Mínima	Máxima						
	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:					Más de:	Más de:				
ENERO	10	8	1	3	1	1	6	5	1	1	1	13	10	7	5	3	12	6	5	3		
FEBRERO	8	6	2	3	1	1	5	2	1	1	1	12	7	7	3	2	6	11	1	2		
MARZO	10	5	2	3	2	1	13	8	1	1	1	15	11	7	5	4	12	11	1	10		
ABRIL	17	15	6	8	5	2	20	14	5	4	1	26	22	18	14	11	7	1	25	4	3	
MAYO	16	10	6	10	2	1	19	16	5	2	1	23	18	18	15	11	5	2	21	5	3	
JUNIO	13	9	2	7	1	1	20	15	1	1	1	25	22	14	10	4	1	11	11	7	1	
JULIO	5	2	1	2	1	1	8	5	1	1	1	10	6	4	2	1	1	17	5	3	1	
AGOSTO	6	3	1	11	7	1	19	12	4	1	1	22	16	15	6	4	1	13	3	9	1	
SEPTBRE.	13	10	4	3	2	1	14	10	1	1	1	19	14	13	9	5	3	11	9	7	6	
OCTUBRE	19	13	6	11	3	1	15	11	3	1	1	24	19	17	15	13	6	4	19	15	1	
NOVEMBRE.	18	11	5	9	4	1	11	11	2	2	1	24	19	15	8	6	4	3	15	9	1	
DIEMBRE.	13	6	1	2	1	1	17	11	3	1	1	21	15	10	7	4	1	6	13	2	1	
SUMA ANUAL	148	98	35	16	72	27	4	167	120	27	11	234	179	145	99	68	30	3	98	149	67	30

FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.

MESES	PRECIPITACION MAS DE 0.1 MM.																								TOTAL
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-16	16-17	17-18	18-18	18-20	20-21	21-22	22-23	23-24		
ENERO	4	2	3	1	1	1	1	1	1	1	1	1	1	2	2	1	4	4	4	3	3	6	5	3	15
FEBRERO	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	4	5	8	4	2	13	13
MARZO	2	2	1	1	1	1	1	1	1	1	1	1	1	3	5	3	4	7	7	5	5	2	5	3	16
ABRIL	8	4	4	5	4	2	2	1	1	1	1	1	1	4	6	9	12	8	10	11	12	12	7	25	25
MAYO	3	3	5	5	3	2	1	1	1	1	1	1	1	2	7	6	9	11	11	8	9	5	4	5	25
JUNIO	4	3	3	3	2	1	1	1	1	1	1	1	1	3	6	12	8	9	7	6	5	6	7	5	26
JULIO	1	1	2	1	1	1	1	1	1	1	1	1	1	2	4	4	2	1	4	5	4	3	3	1	11
AGOSTO	2	1	1	1	1	1	1	1	1	1	1	1	1	4	7	9	8	9	7	9	3	3	2	2	22
SEPTBRE.	5	4	2	3	2	1	1	2	1	1	1	1	1	2	5	5	3	6	7	10	8	5	5	20	
OCTUBRE	9	6	6	7	6	4	5	5	7	4	4	1	1	2	6	8	4	5	8	9	8	7	8	12	25
NOVEMBRE.	7	6	5	5	5	2	1	1	1	2	1	2	3	4	3	6	5	6	7	6	9	9	8	6	25
DIEMBRE.	4	2	2	2	1	1	1	1	1	1	1	1	1	1	6	6	10	5	4	7	8	3	1	3	22
SUMA ANUAL	50	34	31	33	25	13	13	11	11	10	9	13	27	43	59	69	70	79	76	81	72	64	53	245	

FRECUENCIAS DE: NUBOSIDAD - BRILLO SOLAR - VIENTOS

ESTACION: Bertha

AÑO: 1.969

MESES	NUBOSIDAD en DECIMOS		BRILLO SOLAR HORAS		Número de días con: VIENTOS																													
	Máximo de día		Mínimo de día		7 HORAS				14 HORAS				20 HORAS																					
	Máximo de día	Mínimo de día	Máximo de día	Mínimo de día	N	NE	E	SE	S	SW	W	NW	C	N	NE	E	SE	S	SW	W	NW	C												
ENERO	5	6	4	6	-	-	-	1	-	-	-	30	1	-	-	1	6	-	-	-	23	-	-	-	1	1	-	29						
FEBRERO	(1	6)	-	2	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-	6	-	-	-	-	-	-	(13)							
MARZO	4	9	2	5	-	-	-	1	-	-	-	23	1	-	-	-	-	-	-	(6)	-	-	-	-	-	-	(23)							
ABRIL	1	21	8	1	-	-	-	-	-	-	-	30	4	-	-	-	-	-	-	26	-	-	-	-	-	-	30							
MAYO	1	17	5	-	-	-	-	-	-	-	-	31	1	-	-	-	-	-	-	30	-	-	-	-	-	-	31							
JUNIO	-	19	4	-	-	-	-	-	-	-	-	30	2	-	-	1	2	-	-	25	1	-	-	-	-	-	29							
JULIO	2	12	2	-	-	-	1	2	4	-	-	24	-	-	-	12	7	-	-	1	11	-	-	-	5	4	-							
AGOSTO	1	5	-	2	-	-	-	-	2	-	-	29	4	-	-	1	3	-	-	23	-	-	-	-	1	1	-							
SEPTIEMBRE	4	10	-	4	-	-	-	-	9	-	-	21	2	-	-	-	9	-	-	19	-	-	-	-	3	-	27							
OCTUBRE	4	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
NOVIEMBRE	7	2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
DICIEMBRE	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
SUMA ANUAL	(30)	(116)	27	29	(-	-	-	1	4	14	-	-	-	-	-	15	-	-	15	38	2	-	-	1	179	1	-	-	6	9	1	-	1	232)

Frecuencia Horaria del Brillo Solar

MESES	Frecuencia a Pleno Sol												Frecuencia sin Sol												
	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	
ENERO	-	6	17	17	18	15	11	12	10	9	3	-	24	7	4	3	4	5	5	6	5	9	11	27	
FEBRERO	-	4	15	18	20	15	10	7	14	12	2	-	23	6	1	2	1	2	3	2	3	5	11	25	
MARZO	-	1	13	19	15	9	6	8	7	11	3	-	29	9	6	6	5	9	6	6	7	10	13	27	
ABRIL	-	3	7	9	9	8	4	3	3	3	1	-	28	17	13	14	14	14	12	16	11	16	22	24	27
MAYO	-	3	6	7	1	-	-	1	1	2	2	-	22	11	10	9	16	21	22	14	10	14	18	27	
JUNIO	-	1	9	10	2	1	-	-	-	-	1	-	25	12	3	3	13	27	26	15	14	20	20	24	
JULIO	-	2	10	12	1	-	-	-	4	5	4	-	21	10	5	3	7	23	22	14	8	8	14	20	
AGOSTO	-	7	13	17	8	7	8	4	1	3	-	-	12	4	3	1	2	3	8	8	7	14	15	12	
SEPTIEMBRE	-	5	9	17	14	13	14	11	9	6	4	-	23	10	5	1	1	1	2	2	4	7	8	18	
OCTUBRE	-	3	7	15	13	12	13	11	8	5	1	-	28	19	10	8	7	7	3	5	6	11	14	24	
NOVIEMBRE	-	1	16	18	21	23	19	16	12	10	1	-	28	11	4	3	3	1	1	2	3	9	12	26	
DICIEMBRE	-	2	19	24	24	21	19	12	7	5	-	-	29	6	2	1	-	2	3	13	19	23	29		
SUMA ANUAL	-	38	141	183	146	124	104	85	76	71	22	-	292	122	66	54	73	111	120	88	96	148	183	287	

RESUMEN DE ALGUNAS CARACTERÍSTICAS DE LA PRECIPITACION

Estación: Bartba

Año: 1-1969

MESES	TOTAL			NÚM. PRECIPITACIONES			CANTIDAD			DURACION			PRECIPITACION MAXIMA				DURACION MAXIMA				
	m. m.	Días	No. de días	Día	Noche	Total	Total Día	Total Noche	Día	Noche	Total	m. m.	Durec.	Int. Med.	Int. Max. 5/m.	Int. Max. 1/m.	h. min.	m. m.	Int. Med.	Int. Max. 5 min.	Int. Max. 1 min. (calc.)
Enero	65.2	13	17	14	31	27.9	37.3	37.3	11:05'	18:25'	29:30'	11.6	2:05'	0.09	2.5	0.5	3:40'	8.0	0.04	1.0	0.2
Febrero	68.9	12	8	13	21	8.7	60.2	60.2	4:40'	13:35'	18:15'	25.0	1:35'	0.26	7.5	1.5	2:40'	3.2	0.02	0.5	0.1
Marzo	80.1	15	23	14	37	36.1	44.0	44.0	19:50'	11:00'	30:50'	15.0	1:55'	0.13	3.0	0.6	3:45'	3.8	0.02	0.3	0.1
Abril	360.1	26	37	32	69	194.2	165.9	165.9	44:10'	53:35'	97:45'	42.1	8:20'	0.08	4.5	0.9	8:20'	42.1	0.08	4.5	0.9
Mayo	311.0	23	44	26	70	171.3	139.7	139.7	36:35'	26:40'	63:15'	62.6	4:35'	0.23	5.0	1.0	4:35'	62.6	0.23	5.0	1.0
Junio	132.1	25	40	18	58	88.4	43.7	43.7	33:30'	24:00'	57:30'	22.7	2:00'	0.19	5.0	1.0	6:20'	13.8	0.04	0.8	0.2
Julio	46.3	10	14	10	24	39.5	6.8	6.8	13:20'	8:40'	22:00'	24.8	3:50'	0.11	3.5	0.7	3:55'	2.5	0.01	0.2	-
Agosto	131.1	22	36	10	46	124.8	6.3	6.3	40:10'	7:25'	47:35'	21.6	1:20'	0.27	4.0	0.8	6:55'	10.6	0.02	0.7	0.1
Septbre.	178.1	19	20	17	37	58.5	119.6	119.6	25:10'	39:05'	64:15'	35.0	7:25'	0.08	8.0	1.6	9:00'	33.6	0.06	6.5	1.3
Octbre.	298.5	24	40	26	66	106.8	187.7	187.7	38:55'	59:40'	98:35'	38.8	7:05'	0.09	5.2	1.0	8:25'	35.4	0.07	2.5	0.5
Novbre.	206.1	24	29	34	63	86.3	119.8	119.8	27:35'	40:55'	68:30'	49.0	3:00'	0.27	6.1	1.2	5:40'	24.1	0.07	3.1	0.6
Dicbre.	103.1	21	27	15	42	75.5	27.6	27.6	24:40'	16:10'	40:50'	16.8	0:40'	0.42	6.3	1.3	4:55'	7.8	0.03	0.8	0.2
TOTALES	1976.6	238	335	229	564	1018.0	958.6	958.6	319:40'	319:10'	638:50'	365.0	43:50'	1.1	11.1	1.3	68:10'	247.5	1.1	11.1	1.3

DATOS DIARIOS

Estación Jardín Mes Barro Año 1969 $\phi = 5^{\circ} 34' N$ $\lambda = 79^{\circ} 36' W$ OR Altura 1.630 M.

Días	TEMPERATURA °C						TENSIÓN DEL VAPOR mm						Humedad Relativa %			Brillo Solar Horas	PRECIPITACION mm			EVAPORACION mm			VIENTOS								
	7		14		20		7		14		20		7		14		20		7		14		20		7		14		20		
	Med.	Máx.	Min.	Mínima Suelo	Med.	Máx.	Min.	Mínima Suelo	Med.	Máx.	Min.	Med.	Máx.	Min.	Med.		Máx.	Min.	Med.	Máx.	Min.	Med.	Máx.	Min.	Med.	Máx.	Min.	Med.	Máx.	Min.	
1	16.6	19.5	17.0	17.5	20.3	15.2	13.0	13.7	13.3	14.0	13.7	97	78	96	90	9.7	1.2	---	---	---	---	---	---	---	---	---	---	---	---		
2	14.7	25.0	18.0	18.9	25.9	13.8	13.0	11.8	11.1	14.6	12.5	94	47	94	78	8.0	6.2	---	---	---	---	---	---	---	---	---	---	---	---		
3	16.0	23.6	17.0	18.4	26.0	15.0	14.1	13.2	13.4	13.1	13.2	97	61	90	83	10.0	7.0	---	---	---	---	---	---	---	---	---	---	---	---		
4	15.6	25.6	17.3	18.9	26.5	15.0	14.5	12.3	9.8	11.7	11.9	93	40	93	75	8.3	7.6	---	---	---	---	---	---	---	---	---	---	---	---		
5	15.5	23.8	16.9	18.3	25.0	14.3	13.4	12.3	12.2	13.5	12.7	93	55	94	81	6.0	5.8	---	---	---	---	---	---	---	---	---	---	---	---		
6	15.8	25.4	16.4	18.5	26.2	15.0	14.3	12.5	11.4	12.6	12.2	93	47	90	77	5.3	7.9	0.6	---	---	---	---	---	---	---	---	---	---	---		
7	15.0	25.5	15.7	18.0	25.8	13.1	12.2	12.8	10.9	12.2	12.0	100	45	91	79	5.0	3.9	---	---	---	---	---	---	---	---	---	---	---	---		
8	12.4	26.6	17.9	18.7	27.3	11.8	10.5	10.0	10.4	12.3	10.9	93	40	90	74	5.0	7.8	---	---	---	---	---	---	---	---	---	---	---	---		
9	15.4	25.8	17.8	19.2	27.1	13.4	12.0	12.9	11.4	13.5	12.6	98	46	90	78	5.3	7.0	---	---	---	---	---	---	---	---	---	---	---	---		
10	16.4	26.0	18.4	19.8	26.5	15.0	14.0	13.1	12.7	14.6	13.4	93	50	91	78	9.7	5.9	---	---	---	---	---	---	---	---	---	---	---	---		
11	17.4	26.4	17.7	19.8	26.6	16.9	15.3	11.6	11.7	14.2	13.2	91	45	93	76	9.7	2.6	---	---	---	---	---	---	---	---	---	---	---	---		
12	16.5	20.4	15.6	17.0	21.0	16.0	15.4	13.2	12.6	12.8	12.9	94	70	96	87	10.0	---	---	---	---	---	---	---	---	---	---	---	---	---		
13	16.8	21.5	16.3	17.7	22.0	14.2	13.6	13.8	12.6	13.5	13.3	96	66	98	87	10.0	0.3	---	---	---	---	---	---	---	---	---	---	---	---		
14	15.8	23.3	16.6	18.1	23.9	14.2	14.8	12.9	12.4	13.3	12.9	96	58	94	83	10.0	1.5	---	---	---	---	---	---	---	---	---	---	---	---		
15	14.6	21.3	16.3	17.1	21.4	14.4	13.6	12.2	10.6	13.4	12.1	98	56	97	84	9.7	---	---	---	---	---	---	---	---	---	---	---	---	---		
16	13.8	26.4	17.6	18.8	26.6	13.5	13.1	11.5	11.3	13.5	12.1	97	43	90	77	6.3	5.9	0.4	---	---	---	---	---	---	---	---	---	---	---		
17	14.4	24.9	16.8	18.2	25.1	13.6	13.0	11.1	11.2	13.5	11.9	91	48	94	78	5.0	4.6	---	---	---	---	---	---	---	---	---	---	---	---		
18	15.8	22.2	17.2	18.1	23.5	15.3	14.0	12.9	10.0	14.1	12.3	96	59	96	81	9.0	1.3	0.5	7.7	0.2	15.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
19	14.2	22.2	16.3	17.2	23.6	13.1	12.6	11.6	11.2	13.1	12.0	96	55	95	82	10.0	2.1	8.0	---	---	---	---	---	---	---	---	---	---	---		
20	13.5	24.9	16.8	18.0	25.0	14.5	12.0	11.2	10.5	13.5	11.7	97	45	94	79	6.0	5.2	---	---	---	---	---	---	---	---	---	---	---	---		
21	15.6	24.9	16.5	18.4	25.3	14.5	14.0	13.0	11.2	13.2	12.5	98	48	93	80	5.7	4.9	---	---	---	---	---	---	---	---	---	---	---	---		
22	15.6	25.6	17.0	18.8	26.5	15.0	14.5	12.8	11.4	14.0	12.7	96	47	95	79	7.7	6.4	6.0	---	---	---	---	---	---	---	---	---	---	---		
23	16.2	24.0	17.3	18.7	25.3	15.0	14.3	13.3	11.8	14.6	13.2	96	52	99	82	10.0	2.1	4.0	---	---	---	---	---	---	---	---	---	---	---		
24	16.0	25.2	17.6	19.1	25.5	14.7	14.0	13.1	11.2	14.0	12.8	96	47	93	79	8.0	7.6	0.5	---	---	---	---	---	---	---	---	---	---	---		
25	16.4	24.9	17.0	18.8	25.0	15.7	14.5	13.2	11.8	13.5	12.8	94	50	93	79	9.3	6.1	---	---	---	---	---	---	---	---	---	---	---	---		
26	15.8	24.9	16.6	18.5	25.8	14.5	13.1	12.9	11.8	13.3	12.7	96	50	94	80	10.0	5.1	---	---	---	---	---	---	---	---	---	---	---	---		
27	14.6	23.2	16.2	17.5	23.8	13.3	12.8	11.7	11.8	13.0	12.2	94	56	94	81	9.3	3.6	---	---	---	---	---	---	---	---	---	---	---	---		
28	15.0	25.2	18.1	19.1	26.4	13.7	12.5	11.7	11.0	13.6	12.1	92	46	88	75	8.3	6.7	---	---	---	---	---	---	---	---	---	---	---	---		
29	16.0	24.4	16.9	18.6	25.5	15.0	14.4	12.8	11.5	13.5	12.6	94	50	94	79	7.3	2.8	---	---	---	---	---	---	---	---	---	---	---	---		
30	15.0	27.7	18.5	19.5	25.0	14.0	12.9	11.5	11.7	13.5	12.2	90	54	92	79	7.7	3.5	---	---	---	---	---	---	---	---	---	---	---	---		
31	13.6	27.5	16.6	18.6	28.0	13.0	12.0	11.4	8.3	9.0	9.6	98	30	63	64	0.3	9.2	---	---	---	---	---	---	---	---	---	---	---	---		
Med.	15.4	24.3	17.0	18.4	25.1	14.3	13.5	12.4	11.4	13.4	12.4	95	51	92	79	7.8	4.6	1.9	0.3	1.5	3.7	1.4	---	---	---	---	---	---	---		

Precipitación total 115.5 mm.

DATOS DIARIOS

Estación Jerez Año Febrero 1969 $\phi = 5^{\circ} 34' N$ $\lambda = 15^{\circ} 36' W.G.R.$ Altura 1.630 M.

Días	TEMPERATURAS $^{\circ}C$					TENSIÓN DEL VAPOR					Humedad Relativa %			Brillo Solar		PRECIPITACION			VIENTOS							
	7	14	20	Med.	Máx.	Mín.	Mínima Sueto	7	14	20	Med.	7	14	20	Med.	7	14	20	Total	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA	
																										7
1	12.0	26.0	17.8	18.4	26.8	10.3	9.6	10.0	10.6	13.8	11.5	96	42	91	76	4.3	8.5	—	—	2.0	0.0	14	2	08	1	
2	15.6	25.9	18.8	19.8	26.3	14.0	13.0	12.3	11.6	13.2	12.4	93	47	81	74	9.0	6.7	—	—	2.0	0.6	1	12	2	12	
3	16.4	25.4	18.0	19.5	27.6	16.1	15.0	13.2	14.6	15.0	14.3	94	60	97	84	7.1	5.6	—	0.1	1.9	21.6	1	00	0	00	
4	15.3	22.8	17.0	18.0	28.1	14.9	14.0	12.7	13.0	13.7	13.1	98	63	94	85	7.7	3.0	19.6	—	—	—	1.0	0.0	0	10	
5	15.6	24.0	16.4	18.1	24.0	15.0	14.1	12.8	11.2	12.6	12.2	96	50	90	79	9.3	2.0	—	—	—	—	1.2	1.2	1	06	
6	15.0	25.0	18.0	19.0	26.0	14.0	13.1	12.3	13.1	13.8	13.1	96	55	90	80	8.0	5.1	—	—	—	—	1.8	0.0	0	14	
7	16.1	27.2	18.4	20.0	28.0	15.4	14.0	12.8	13.3	15.3	13.8	94	48	96	79	8.3	6.0	—	—	—	—	2.1	30.5	1	08	
8	16.0	24.5	18.4	19.3	26.1	14.8	14.0	13.2	10.5	14.5	12.7	97	46	92	78	8.3	4.3	28.4	0.1	—	—	1.2	1.2	1	12	
9	16.3	26.4	18.3	19.8	27.4	15.6	14.3	13.5	11.5	15.2	13.4	97	45	92	78	6.3	5.1	—	—	—	—	2.1	1.2	0.8	1	
10	15.5	25.4	18.0	19.2	26.2	15.0	14.0	12.4	12.3	13.1	12.6	94	50	85	76	7.7	7.5	2.1	—	—	—	1.3	2.0	1.2	1	
11	16.0	26.0	17.1	19.1	26.5	15.3	14.2	13.1	12.2	13.1	12.8	96	48	90	78	6.7	7.0	1.3	—	—	—	—	1.8	0.0	0	
12	17.0	26.7	18.1	2.0	27.0	16.8	15.5	14.0	13.2	13.8	13.7	96	48	90	78	6.3	4.3	—	—	—	—	—	1.4	0.0	0	
13	16.0	26.0	18.0	19.5	26.5	15.6	14.4	13.0	12.7	13.6	12.7	94	45	88	76	7.7	9.1	—	—	—	—	—	2.0	0.0	0	
14	16.0	26.0	18.0	19.5	26.5	15.6	14.4	13.0	12.7	14.6	13.4	95	50	94	80	9.3	5.1	—	—	—	—	0.1	0.1	1.8	0.0	
15	16.2	27.2	18.0	19.6	27.5	15.0	14.1	13.1	13.0	13.8	12.7	96	40	90	75	5.1	6.3	—	—	—	—	—	0.1	1.9	0.4	
16	16.0	19.2	16.0	16.8	19.6	15.0	14.0	13.1	14.0	13.1	13.4	96	64	96	92	6.7	—	—	—	—	—	—	0.1	4.6	0.7	
17	15.0	24.4	17.6	18.7	26.0	13.6	13.0	12.3	12.9	13.5	12.9	96	56	90	81	9.7	5.5	—	—	—	—	—	0.3	0.2	0.8	
18	17.2	25.6	18.1	19.8	26.0	16.3	15.0	13.9	12.3	13.8	13.3	94	50	90	78	5.3	4.9	0.3	—	—	—	—	—	1.6	0.6	
19	17.4	25.5	18.8	20.1	26.8	17.3	16.5	14.2	12.2	14.9	13.8	96	50	91	79	5.7	4.8	—	—	—	—	—	1.5	0.0	0	
20	15.0	26.5	18.3	19.3	26.0	14.4	13.6	12.0	13.3	14.3	12.9	94	50	92	79	6.0	2.6	—	—	—	—	—	1.6	0.8	1	
21	15.9	27.0	18.4	19.9	27.7	15.9	14.9	12.7	12.2	14.6	13.2	94	45	93	77	6.3	7.6	—	—	—	—	—	1.9	0.4	1	
22	17.0	26.2	17.8	19.7	26.5	16.0	14.9	13.1	12.8	14.4	13.4	90	50	94	78	5.0	6.4	—	—	—	—	—	1.8	0.0	0	
23	17.0	25.3	19.0	20.1	27.3	16.4	16.0	13.8	13.6	14.5	13.9	93	56	91	80	9.3	1.6	—	—	—	—	—	1.4	0.6	1	
24	17.0	27.6	19.4	20.6	28.0	14.8	13.5	12.3	11.2	15.2	12.9	90	41	90	74	8.7	5.5	—	—	—	—	—	2.8	1.7	1.0	
25	16.0	24.0	17.8	19.3	26.3	15.7	15.0	13.6	13.2	14.4	13.7	96	56	94	82	9.3	5.5	20.7	—	—	—	—	0.3	1.6	0.8	
26	16.6	27.8	18.1	20.0	28.0	15.5	14.2	12.9	12.5	14.1	13.2	96	45	92	78	4.0	6.7	—	—	—	—	—	1.3	0.0	0	
27	15.8	27.8	18.1	20.0	28.0	15.5	14.2	12.9	12.5	14.1	13.2	96	45	92	78	4.0	6.7	—	—	—	—	—	0.3	0.5	1.8	
28	14.8	26.4	19.1	19.8	27.0	14.0	12.0	12.4	12.6	15.5	13.5	98	48	94	80	3.7	5.8	0.2	—	—	—	—	0.1	0.1	1.8	
29																										
30																										
31																										
Med	15.9	25.6	18.0	19.4	26.3	15.1	14.1	12.9	12.3	14.2	13.1	95	50	91	79	7.2	5.3	2.7	0.2	0.3	3.2	1.6	—	—	—	

Presipitación total : 80.6 m.m.

DATOS DIARIOS

Estación JARDIN Mes MARZO Año 19 65 φ = 5° 34' N λ = 75° 36' WGR Altura 1,630 M.

Table with columns: TEMPERATURA (7, 14, 20 Med, Max, Min, Minima Sucho), TENSIÓN DEL VAPOR (7, 14, 20 Med), HUMEDAD RELATIVA (7, 14, 20 Med), RAYOSIDAD DEBIL SOLAR, HORA, PRECIPITACION (7, 14, 20 Total) in mm, EVAPORACION, and VIENTOS (7, 14, 20 DIRECCION, FUERZA, Km/Hora).

Precipitación total 158.4 mm.

DATOS DIARIOS

Estación Jardón Mes Abril Año 1969 $\phi = 50^{\circ} 34' N$ $\lambda = 75^{\circ} 36' WGR$ Altura 1.630 M

Días	TEMPERATURAS °C						TENSION DEL VAPOR mm						Humedad Relativa %			NUBOSIDAD OBRAS	Brillo Solar Horas	PRECIPITACION mm			EVAPORACION mm			VIENTOS					
	7		14		20		7		14		20		7	14	20			7	14	20	7		14		20				
	Med.	Máx.	Mín.	Mínima Scala	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.			Med.	Med.	Med.	DIREC CION	FUERZA Km./Hora	DIREC CION	FUERZA Km./Hora	DIREC CION	FUERZA Km./Hora			
1	17.4	21.6	20.2	21.4	28.0	16.4	15.8	14.2	13.5	16.6	14.8	96	48	92	79	6.0	8.0	--	--	--	1.2	1.8	00	0	14	1	00	0	
2	17.2	27.6	19.2	20.8	28.6	16.0	15.1	13.7	13.9	15.9	14.5	91	50	95	79	5.3	6.9	7.2	--	--	0.6	1.7	00	0	00	0	00	0	
3	18.0	26.5	19.0	20.6	26.6	17.5	17.0	15.2	13.8	15.2	14.7	98	53	93	81	10.0	1.6	0.6	--	--	1.8	1.2	00	0	14	2	06	1	
4	17.0	23.2	17.2	18.6	25.0	16.0	15.4	14.1	17.4	14.0	15.2	97	81	97	92	10.0	1.9	1.8	1.0	5.3	16.5	0.9	06	1	00	0	00	0	
5	16.1	25.5	17.8	19.3	26.2	15.8	15.0	13.0	14.4	14.6	14.0	97	95	95	84	9.7	2.2	10.2	0.4	0.3	5.4	1.0	00	0	16	1	00	0	
6	16.8	25.8	18.6	20.0	26.9	16.3	14.9	13.4	12.5	15.6	13.8	92	50	97	80	9.3	3.7	4.7	--	1.3	14.1	1.0	00	0	12	2	00	0	
7	16.0	26.5	18.5	19.9	27.0	15.6	14.2	13.2	12.1	15.2	13.9	97	46	95	79	5.3	3.5	12.6	--	--	0.8	1.2	02	1	14	2	00	0	
8	18.2	20.2	18.6	18.9	27.2	16.5	16.0	14.5	14.6	15.2	14.8	94	82	94	90	8.7	5.5	0.8	14.9	1.6	23.8	1.2	00	0	00	0	00	0	
9	16.8	22.2	17.6	18.6	25.0	16.5	16.0	14.1	14.8	14.8	14.6	98	72	98	89	8.7	2.2	7.3	3.3	0.2	3.5	0.7	00	0	00	0	00	0	
10	17.0	23.0	19.2	19.6	26.2	15.5	14.4	13.4	16.9	15.4	15.2	92	80	93	88	0.3	5.5	--	1.2	--	21.8	1.4	14	1	00	0	00	0	
11	17.4	21.3	18.6	19.0	22.5	16.4	16.1	14.0	14.7	15.6	14.8	94	78	97	90	10.0	0.8	20.6	3.3	--	3.3	0.7	06	1	14	2	16	2	
12	17.0	24.8	17.8	19.4	26.0	16.5	16.0	14.0	13.2	14.4	13.9	96	96	96	83	5.7	1.5	--	--	--	6.5	1.2	14	1	12	3	06	2	
13	17.2	21.0	17.2	18.2	21.4	16.4	16.0	14.1	15.9	13.7	14.6	96	86	93	92	10.0	--	6.5	2.7	0.3	8.6	0.6	00	0	10	1	06	1	
14	17.0	24.7	19.0	19.9	26.0	15.8	15.0	14.0	14.4	15.5	14.6	96	68	94	84	8.0	5.2	0.8	14.9	1.6	6.9	1.5	00	0	00	0	00	0	
15	18.0	25.0	17.6	19.6	27.4	16.0	15.3	14.0	15.4	14.4	14.6	90	65	95	83	4.0	1.6	6.0	0.5	0.1	2.4	0.8	00	0	00	0	04	1	
16	16.9	20.4	18.1	18.4	22.0	16.3	15.6	14.1	14.8	14.7	14.9	98	82	95	92	10.0	--	1.8	1.6	1.6	8.0	0.7	00	0	00	0	00	0	
17	16.0	22.4	17.8	18.5	26.6	15.0	14.0	13.1	15.4	14.7	14.4	96	76	96	89	9.7	4.1	2.8	--	8.8	8.8	1.2	00	0	00	0	00	0	
18	16.4	25.0	17.8	19.2	25.9	16.0	15.3	13.7	11.9	14.9	13.5	98	50	98	82	9.0	2.1	2.8	--	8.8	8.8	1.2	00	0	00	0	00	0	
19	16.6	23.2	19.3	19.6	27.0	15.5	15.0	13.6	17.1	15.6	15.4	96	80	94	90	9.0	3.6	0.3	1.0	--	2.5	8.3	1.2	00	0	06	2	06	1
20	16.8	27.4	18.8	20.4	27.5	16.4	15.6	13.8	13.5	15.3	14.2	96	50	95	80	3.1	4.0	--	--	--	1.1	1.0	00	0	14	3	00	1	
21	16.8	25.8	18.6	20.0	26.5	15.6	14.9	13.6	14.9	15.2	14.6	95	60	94	83	10.0	2.9	5.8	0.1	0.1	11.2	1.2	08	1	00	0	14	1	
22	16.0	23.4	18.2	19.0	24.0	15.0	14.1	13.1	14.3	15.1	14.2	96	66	96	86	10.0	--	11.0	0.7	8.1	19.0	1.4	00	0	14	3	00	0	
23	16.6	24.4	19.0	19.8	25.8	15.7	15.1	13.3	13.7	15.9	14.3	94	60	96	83	10.0	2.1	10.2	--	0.6	1.1	1.0	00	0	14	2	10	1	
24	17.6	21.3	17.8	18.6	23.0	17.0	16.3	14.5	15.1	15.0	14.9	96	70	98	91	10.0	0.2	0.5	0.8	3.1	22.3	0.6	10	1	00	0	14	1	
25	16.5	20.3	17.0	17.7	21.5	16.0	15.1	13.6	12.4	14.2	13.4	97	80	98	88	10.0	--	18.2	6.7	0.2	6.9	0.6	00	0	00	0	02	1	
26	15.0	27.6	19.7	20.5	28.0	14.0	13.6	12.0	13.9	15.9	13.9	93	50	92	78	4.3	9.2	--	--	--	--	2.2	04	1	14	2	10	1	
27	17.6	28.0	20.8	21.8	29.1	16.2	15.2	14.2	14.1	16.4	14.9	94	50	90	78	7.3	9.9	--	--	--	--	--	04	1	06	2	06	1	
28	18.0	28.0	20.6	21.8	29.0	17.4	16.1	14.6	15.5	16.1	15.4	94	55	89	79	7.7	6.2	--	--	--	2.6	2.2	06	1	14	2	10	1	
29	18.6	24.9	20.4	21.1	26.8	17.0	17.0	15.3	16.6	16.5	16.1	95	70	92	86	9.7	4.7	2.6	2.1	--	3.4	1.2	00	0	10	1	10	1	
30	16.8	26.9	19.6	20.7	27.5	15.0	14.5	13.4	12.3	16.0	13.9	93	46	94	78	7.1	3.3	1.3	--	2.2	3.7	1.6	12	1	00	0	06	1	
31																													
Med	17.0	24.5	18.6	19.7	26.0	16.0	15.3	13.8	14.4	15.2	14.5	95	64	95	85	8.4	3.4	4.6	1.4	1.3	7.3	1.2	--	--	--	--	--	--	

Precipitación total 220.6 m.m.

DATOS DIARIOS

Estación *Jarvis* Mes *Junio* Año 1969 $\varphi = 55^{\circ} 34' N$ $\lambda = 159^{\circ} 36' WGR$ Altura 1.630 M.

Días	TEMPERATURAS						TENSION DEL VAPOR						Humedad Relativa			Brillo Solar			PRECIPITACION			VIENTOS							
	7	14	20	Med.	MAX.	Min.	7	14	20	Med.	7	14	20	Med.	7	14	20	Total	7	14	20	7	14	20					
																									mm	%	Horas	mm	DIRECCION
1	16.0	22.0	18.3	19.0	24.0	16.0	15.4	14.1	15.4	14.9	14.8	98	74	95	89	1.3	2.1	0.4	2.5	0.6	06	1	12	2	10	1			
2	16.0	26.0	17.8	19.6	27.2	14.5	13.5	12.5	12.8	14.6	13.4	93	48	95	79	5.7	—	4.0	4.3	1.4	14	1	16	1	10	1			
3	15.9	23.4	17.0	20.3	29.3	15.0	14.0	13.4	14.6	13.7	13.9	100	68	94	87	7.3	3.0	0.2	16.3	28.8	1.1	06	1	00	0	0			
4	16.2	23.6	18.8	19.4	24.5	15.5	15.0	14.3	15.4	14.4	14.4	96	70	92	86	8.7	4.3	12.3	0.4	4.2	4.8	0.8	00	0	00	0			
5	17.3	26.8	18.0	20.0	27.0	17.0	16.6	14.1	17.2	14.6	15.2	96	64	94	85	6.4	0.2	—	3.9	1.9	1.9	1.6	06	1	14	2	10	1	
6	16.6	27.0	20.2	21.0	28.2	14.5	13.9	12.9	13.4	15.4	13.9	94	58	87	76	7.1	—	—	3.4	2.0	0.6	1	00	0	00	0	0		
7	16.8	23.9	18.8	19.6	25.0	15.5	14.8	13.8	15.6	15.5	15.0	96	70	95	87	7.7	1.8	3.4	—	2.2	2.2	0.6	00	0	06	2	06	1	
8	16.0	26.8	19.4	20.4	27.5	13.8	12.8	13.1	13.2	14.7	13.7	96	48	88	77	5.3	—	—	—	—	—	—	—	—	—	—	—	—	—
9	16.7	23.2	17.2	18.6	25.0	15.9	14.7	13.4	15.4	13.5	14.3	93	60	92	86	6.7	2.6	—	—	—	—	—	—	—	—	—	—	—	—
10	16.8	24.9	18.6	19.7	27.0	15.6	14.6	13.6	14.0	15.3	14.3	95	60	93	83	9.7	6.3	—	—	—	—	—	—	—	—	—	—	—	—
11	16.0	25.8	16.8	18.8	26.5	15.5	15.0	13.1	12.5	13.4	13.0	96	50	93	80	4.7	4.9	29.9	—	—	—	—	—	—	—	—	—	—	—
12	17.6	26.9	16.8	19.5	27.0	15.6	14.5	13.6	14.8	13.8	14.1	91	56	96	81	6.0	4.8	—	—	—	—	—	—	—	—	—	—	—	—
13	17.4	24.9	18.1	19.6	25.8	15.4	14.5	14.0	15.2	14.1	14.4	94	65	92	84	7.7	4.2	1.2	0.9	—	—	—	—	—	—	—	—	—	—
14	16.6	26.7	18.2	19.9	27.0	15.9	15.1	13.2	14.8	14.8	14.3	93	56	94	81	6.7	5.9	2.5	—	—	—	—	—	—	—	—	—	—	—
15	16.8	25.8	17.8	19.6	26.8	15.6	14.4	13.1	14.7	14.4	14.1	93	60	96	82	8.3	6.5	—	—	—	—	—	—	—	—	—	—	—	—
16	16.2	24.2	16.8	18.5	25.0	14.5	13.7	13.5	12.7	13.4	13.2	96	58	93	82	7.3	4.6	4.1	—	—	—	—	—	—	—	—	—	—	—
17	15.2	25.1	17.8	19.0	25.9	14.5	13.6	12.4	11.9	13.8	12.7	96	50	91	79	5.3	4.5	—	—	—	—	—	—	—	—	—	—	—	—
18	16.8	27.0	18.4	20.2	28.0	15.5	14.5	13.3	13.4	14.6	13.7	93	50	93	78	7.7	6.7	—	—	—	—	—	—	—	—	—	—	—	—
19	16.9	28.3	17.8	18.7	24.5	16.1	15.1	13.8	15.7	14.2	14.6	96	78	93	89	6.7	5.8	3.9	0.2	—	—	—	—	—	—	—	—	—	—
20	16.8	24.4	20.0	20.3	25.5	15.0	14.0	13.4	13.7	15.5	14.2	93	60	89	81	10.0	1.3	—	—	—	—	—	—	—	—	—	—	—	—
21	17.8	22.3	17.0	18.5	25.3	16.0	15.0	14.2	15.9	13.8	14.6	93	80	95	89	9.0	2.7	0.6	11.4	13.3	6.8	0.6	1	06	1	06	1	06	1
22	16.5	24.8	18.8	19.7	26.5	15.4	14.4	13.4	14.6	14.9	14.3	95	60	92	82	9.7	4.3	1.3	—	—	—	—	—	—	—	—	—	—	—
23	17.8	25.8	19.0	20.4	27.0	16.0	15.4	13.8	12.5	15.5	13.9	91	50	94	78	6.7	7.8	0.6	—	—	—	—	—	—	—	—	—	—	—
24	18.0	25.7	19.2	20.5	26.0	17.0	16.5	14.1	14.9	15.4	14.8	92	66	93	82	4.3	7.0	1.1	—	—	—	—	—	—	—	—	—	—	—
25	17.0	25.2	18.2	19.6	25.7	16.2	15.0	13.7	13.8	14.8	14.1	95	53	94	81	10.0	2.5	—	—	—	—	—	—	—	—	—	—	—	—
26	15.7	23.2	18.5	19.0	25.5	15.0	14.2	12.8	15.0	15.1	14.3	95	70	94	86	9.3	5.4	—	—	—	—	—	—	—	—	—	—	—	—
27	16.8	22.0	17.0	18.2	22.2	16.2	15.7	12.8	13.8	13.8	13.5	89	70	95	85	10.0	—	—	—	—	—	—	—	—	—	—	—	—	—
28	15.4	25.9	19.2	19.9	26.6	16.0	13.0	12.8	12.5	15.0	13.2	93	50	90	78	5.3	7.9	—	—	—	—	—	—	—	—	—	—	—	—
29	17.5	27.2	18.6	20.5	27.5	14.6	14.0	13.0	13.5	14.5	13.7	87	50	91	76	7.0	9.4	3.8	—	—	—	—	—	—	—	—	—	—	—
30	17.0	22.6	17.8	18.8	25.4	16.0	14.7	13.5	14.7	13.7	14.0	93	72	96	87	9.7	3.1	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Med.	16.7	24.9	18.2	19.5	26.0	15.4	14.6	13.4	14.2	14.5	14.0	94	61	93	83	7.5	4.9	2.6	0.4	1.9	4.8	1.4	—	—	—	—	—	—	—

Presipitación total : 144.3 mm.

RESUMEN MENSUAL Y ANUAL

ESTACION: Jardi

AÑO: 1969

M E S	PRESION ATMOSFERICA SOBRE 600 MM. HG.				TEMPERATURA OC				TEMPERATURAS EXTREMAS OC				HUMEDAD RELATIVA %				TENSION DEL VAPOR DEL VAPOR MM. HG.				PRECIPITACION								
	MAXIMA		MINIMA		MAXIMA		MINIMA		MAXIMA		MINIMA		MAXIMA		MINIMA		MAXIMA		MINIMA		MAXIMA		MINIMA						
	7	14	20	MEIA	MAXIMA	MINIMA	MAXIMA	MINIMA	MAXIMA	MINIMA	MAXIMA	MINIMA	MAXIMA	MINIMA	MAXIMA	MINIMA	MAXIMA	MINIMA	7	14	20	SUMA	DIAS LLUVIOSOS						
ENERO	15.4	24.3	17.0	18.4	25.1	14.3	28.0	31	11.8	8	13.5	95	51	92	79	30	14.6	8.3	12.4	7.8	4.6	1.4	60.6	9.2	45.7	115.5	16	30.9	11
FEBRERO	15.9	25.6	18.0	19.4	26.3	15.1	28.0	7	10.3	1	14.1	95	50	91	79	40	15.3	10.0	13.1	7.2	5.3	1.6	76.0	5.2	7.4	88.6	14	30.5	7
MARZO	16.4	26.0	18.2	19.7	26.9	15.3	29.0	7	13.8	7	14.4	94	51	92	79	38	18.8	10.8	13.6	7.6	4.7	1.6	111.3	26.9	20.2	158.4	19	24.2	2
ABRIL	17.0	24.5	18.6	19.7	26.0	16.0	29.1	27	14.0	26	15.3	95	64	95	85	46	17.4	11.9	14.5	8.4	3.4	1.2	138.6	42.5	38.0	280.6	28	23.6	8
MAYO	17.0	24.8	18.5	19.7	26.2	15.7	29.0	12	13.5	22	14.9	94	61	94	83	46	16.3	11.4	14.2	7.7	4.4	1.3	136.7	32.6	55.0	224.1	28	27.2	14
JUNIO	16.7	24.9	18.2	19.5	26.0	15.4	28.2	6	13.8	8	14.6	94	61	93	83	48	17.2	11.9	14.0	7.5	4.9	1.4	77.9	11.6	55.9	144.1	22	30.3	10
JULIO	15.4	25.3	17.5	19.0	26.6	13.9	29.0	23	10.4	23	12.1	91	53	89	78	36	16.2	10.3	12.7	6.3	6.0	1.8	82.7	4.1	56.2	89.9	15	17.7	10
AGOSTO	15.8	23.4	17.5	18.5	25.0	14.8	28.0	2	13.0	26	12.8	94	62	92	83	46	15.4	10.8	13.3	8.0	3.9	1.2	136.5	28.6	66.6	240.3	29	25.7	27
SEPTIEMBRE	15.8	24.2	17.5	18.7	25.2	14.7	28.9	13	12.8	25	12.7	94	59	92	82	40	15.7	10.0	13.2	7.7	3.7	1.6	209.3	21.9	26.3	264.1	21	46.2	26
OCTUBRE	15.6	22.9	17.0	18.1	24.2	14.4	27.5	19	12.0	14	12.1	95	66	94	85	45	15.4	10.5	13.3	8.2	3.8	1.2	128.2	31.7	89.9	228.3	24	26.5	23
NOVIEMBRE	16.0	23.9	17.4	18.7	25.0	14.9	26.9	15	13.0	21	12.4	94	61	93	82	48	15.6	9.2	13.3	8.1	4.9	1.3	154.6	14.8	29.6	202.0	25	33.4	11
DICIEMBRE	16.0	24.6	17.6	19.0	25.6	15.0	27.0	7	12.2	16	12.8	94	58	93	81	46	15.4	10.6	13.4	7.3	5.3	1.4	104.1	5.0	22.2	130.2	18	23.1	2
MEDIA ANUAL	16.1	24.5	17.8	19.0	25.7	15.0	28.2	-	12.6	-	13.3	94	58	92	82	42	16.1	10.5	13.4	7.6	4.6	1.4	113.0	19.5	42.8	175.5	259	28.3	-

PRECIPITACION TOTAL: 2.106.1

PRECIPITACION MAXIMA: 46.2 IN - 26

FRECUENCIA DE PRECIPITACION Y TEMPERATURA

ESTACION: Jardín

AÑO: 1.969

MESES	PRECIPITACION												TOTAL				TEMPERATURA			
	7 HORAS			14 HORAS			20 HORAS			MÁS DE:			Mínimo	Máximo	Mínimo	Máximo				
	Más de:	10	100	Más de:	10	100	Más de:	10	100	500	500	500	146C	166C	Máximo	Máximo				
ENERO	11	7	1	2	2	2	11	5	2	16	9	7	7	5	2	12	2	8	1	
FEBRERO	10	6	3	2	5	1	7	3	1	14	7	5	4	3	3	5	6	2	3	
MARZO	12	11	5	2	6	3	10	5	1	19	15	10	10	6	4	7	10	2	9	
ABRIL	22	18	6	1	17	9	18	9	1	28	26	21	16	7	3	1	19	6	5	
MAYO	19	15	6	1	12	8	18	12	1	28	21	20	18	10	2	1	15	3	5	
JUNIO	16	13	2	1	9	2	14	8	2	22	20	17	7	3	2	2	9	2	2	
JULIO	6	5	1	1	7	2	12	8	1	15	11	9	7	3	2	18	2	3	7	
AGOSTO	22	19	5	1	16	6	18	15	1	29	27	22	14	9	4	7	2	9	1	
SEPTBRE.	14	10	8	4	12	7	14	9	1	21	18	14	13	10	5	8	1	8	2	
OCTUBRE	16	11	7	3	13	8	22	15	2	24	20	17	14	10	4	10	1	15	1	
NOVIEMBRE	18	14	5	3	12	13	16	7	1	25	20	16	13	8	3	6	5	8	1	
DICIEMBRE	14	10	5	1	6	3	10	4	1	18	14	12	9	6	2	5	5	5	1	
SUMA ANUAL	180	139	53	19	117	64	2	170	100	9	259	208	170	132	80	82	76	71	35	

FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.

MESES	TOTAL																										
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	8-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	TOTAL		
ENERO	4	3	3	4	5	5	4	2	2	1	1	1	1	1	3	2	1	1	2	1	1	2	3	3	4	14	
FEBRERO	2	4	5	5	3	2	2	2	3	1	1	1	1	3	2	1	1	2	1	1	1	1	5	5	4	3	16
MARZO	8	4	4	5	5	2	2	5	2	1	2	2	1	1	4	4	4	4	3	2	3	6	6	8	8	22	
ABRIL	10	11	8	10	10	9	8	7	5	5	6	4	8	7	9	5	4	5	4	5	8	10	14	7	26		
MAYO	10	7	9	7	6	5	2	4	4	3	2	1	4	8	12	6	3	7	7	5	5	7	8	7	28		
JUNIO	6	7	6	5	3	2	2	3	2	2	1	2	3	3	6	9	9	4	5	4	7	7	4	7	24		
JULIO	1	2	3	2	3	3	4	1	1	1	1	1	2	6	6	7	4	3	1	2	1	3	3	2	14		
AGOSTO	7	8	11	11	10	11	9	6	4	1	2	2	4	6	9	10	8	5	3	6	5	8	6	8	28		
SEPTBRE.	7	7	7	8	8	9	7	7	5	3	2	1	3	5	10	8	5	3	1	3	5	6	7	7	21		
OCTUBRE	11	10	11	10	9	7	6	5	3	2	3	8	6	5	12	12	10	9	6	9	7	6	8	8	25		
NOVIEMBRE	10	6	8	8	5	5	4	7	1	1	1	1	4	4	8	10	10	4	3	5	5	0	10	27			
DICIEMBRE	6	10	11	8	5	5	2	3	1	1	1	1	2	3	3	5	4	1	2	2	4	6	4	5	20		
SUMA ANUAL	82	79	86	83	72	65	52	52	31	20	20	22	38	51	84	80	65	52	41	49	59	72	75	76	265		

FRECUENCIAS DE: NUBOSIDAD - BRILLO SOLAR - VIENTOS

ESTACION: Jarvis

AÑO: 1969

MESES	NUBOSIDAD en DECIMOS		BRILLO SOLAR HORAS		Número de días con: VIENTOS																											
	Más de 3.0		Menos de 3.0		7 HORAS				14 HORAS				20 HORAS																			
	N	E	S	W	N	E	S	W	N	E	S	W	N	E	S	W	N	W	C													
ENERO	1	18	3	1	1	7	3	3	1	1	1	2	13	5	5	-	-	1	6	10	6	1	-	7								
FEBRERO	-	12	1	1	-	2	5	4	1	3	-	-	5	10	10	-	-	1	-	3	5	1	4	1	13							
MARZO	2	17	3	2	-	4	5	1	2	-	-	2	8	8	10	1	-	3	5	1	3	2	-	16								
ABRIL	-	21	6	2	-	1	2	3	1	1	2	19	1	-	-	1	1	3	6	-	4	1	-	14								
MAYO	-	15	5	1	-	1	9	2	4	-	1	14	1	1	2	2	-	1	5	6	13	-	1	12								
JUNIO	-	11	2	1	-	1	11	2	1	-	1	14	2	-	1	5	-	1	2	9	10	10	-	14								
JULIO	3	10	1	5	-	1	5	4	1	-	-	20	1	-	-	-	-	-	9	4	2	-	1	15								
AGOSTO	2	21	4	1	-	-	6	-	1	-	-	23	2	2	-	5	-	1	1	10	12	-	-	1	9							
SEPTIEMBRE	3	17	6	2	-	-	9	-	1	-	-	20	-	1	2	3	-	1	2	8	13	-	1	1	9	5	2	-	-	12		
OCTUBRE	-	21	5	-	-	2	2	6	2	2	-	-	17	-	-	1	-	1	3	4	5	17	-	-	1	2	4	5	3	1	15	
NOVIEMBRE	-	19	2	1	-	-	2	7	1	-	-	-	20	1	2	2	-	-	2	3	12	8	-	-	1	2	7	2	5	1	-	12
DICIEMBRE	2	14	1	-	-	-	8	7	1	-	-	-	15	3	-	-	-	1	3	8	8	7	-	-	1	1	11	8	4	1	-	5
SUMA ANUAL	13	196	39	17	1	4	16	81	27	17	6	4	209	15	6	10	23	3	18	56	101	133	2	6	14	87	45	46	17	4	144	

Frecuencia Horaria del Brillo Solar

MESES	Frecuencia a Pleno Sol												Frecuencia sin Sol												
	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	
ENERO	-	-	8	14	15	15	11	7	3	4	-	-	31	14	11	7	5	6	4	8	11	13	19	30	
FEBRERO	-	1	7	9	12	12	9	10	4	4	1	-	28	10	9	3	5	2	2	2	2	6	8	27	30
MARZO	-	1	11	17	15	13	9	6	5	6	2	-	31	22	5	5	7	8	5	6	9	13	16	27	
ABRIL	-	1	7	11	8	3	6	5	5	3	-	-	30	17	11	11	11	11	12	9	12	17	21	28	
MAYO	-	3	10	14	12	11	7	4	2	1	-	-	27	17	10	7	5	3	7	7	10	15	18	27	
JUNIO	-	4	9	13	15	10	7	7	2	4	-	-	22	12	9	6	5	2	2	4	7	11	17	23	
JULIO	-	9	17	20	18	14	10	7	3	3	-	-	16	11	3	2	1	1	-	3	4	10	11	22	
AGOSTO	-	2	4	8	9	8	8	7	4	2	-	-	26	18	9	7	7	7	9	9	10	15	15	27	
SEPTIEMBRE	-	2	5	8	11	8	8	4	4	1	-	-	26	20	12	10	9	7	10	10	11	13	20	29	
OCTUBRE	-	1	7	10	11	11	8	6	2	1	-	-	30	19	10	8	9	7	8	9	11	17	21	30	
NOVIEMBRE	-	-	6	9	14	16	11	10	6	3	1	-	29	15	8	7	6	6	4	5	6	14	16	28	
DICIEMBRE	-	-	6	8	14	15	12	9	8	4	-	-	30	15	3	3	1	3	2	5	8	9	15	31	
SUMA ANUAL	-	24	97	141	154	136	106	82	48	36	4	-	326	180	100	76	71	63	65	77	101	153	197	329	

RESUMEN DE ALGUNAS CARACTERISTICAS DE LA PRECIPITACION

Estación: Jardín

Año 1.969

MESES	TOTAL			No. PRECIPITACIONES		CANTIDAD			DURACION			PRECIPITACION MAXIMA				DURACION MAXIMA			
	m. m.	Días	No. Precipitaciones	Día	Noche	Total	Día	Noche	Total	m. m.	Densidad	Int. Med.	Int. Max. 5/m.	Int. Max. 1/m.	h. min.	m. m.	Int. Med.	Int. Max. 5 min.	Int. Max. 1 min. (cal.)
Enero	115.5	16	15	18	33	54.8	60.7	20:35'	26:20'	46:55'	32.4	6:30'	0.08	4.0	0.8	32.4	0.08	4.0	0.8
Febrero	88.6	14	13	17	30	12.7	75.9	11:10'	24:15'	35:25'	28.4	6:20'	0.07	3.5	0.7	20.1	0.05	2.2	0.4
Marzo	158.4	19	22	27	49	47.3	111.1	16:35'	31:00'	47:35'	21.5	2:50'	0.13	2.5	0.5	16.6	0.07	2.5	0.5
Abril	220.6	28	40	46	86	80.1	140.5	46:55'	76:40'	123:05'	20.6	4:10'	0.08	3.5	0.7	18.3	0.04	1.4	0.3
Mayo	224.1	28	41	29	70	87.6	136.5	34:10'	55:35'	89:45'	24.0	4:00'	0.10	4.0	0.8	10.4	0.02	1.0	0.2
Junio	144.1	22	36	28	64	67.6	76.5	30:50'	38:00'	68:50'	29.9	3:00'	0.17	4.1	0.8	12.3	0.02	0.4	0.1
Julio	89.9	15	24	16	40	60.5	29.4	16:05'	18:50'	34:55'	12.9	2:45'	0.08	2.5	0.5	6.6	0.03	1.2	0.2
Agosto	240.3	29	47	39	86	94.9	145.4	34:55'	71:10'	106:05'	19.1	8:35'	0.04	1.0	0.2	19.1	0.04	1.0	0.2
Septiembre	264.1	31	31	27	58	48.1	216.0	34:40'	66:40'	101:20'	43.9	7:50'	0.09	6.0	1.2	29.0	0.03	2.0	0.4
Octubre	228.3	24	54	32	86	121.7	106.6	54:55'	66:55'	121:50'	20.1	7:00'	0.05	3.5	0.7	12.5	0.02	0.8	0.2
Noviembre	202.0	25	42	36	78	47.0	155.0	32:15'	54:35'	86:50'	32.5	6:25'	0.08	2.0	0.4	26.8	0.06	2.0	0.4
Diciembre	130.2	18	17	33	50	27.2	103.0	12:10'	40:50'	53:00'	20.3	5:45'	0.06	1.5	0.3	20.3	0.06	1.5	0.3
TOTALES	2,106.1	259	382	348	730	749.5	1356.6	345:15'	570:50'	916:05'	305.6	65:10'	32	32	32	224.4	32	32	32

DATOS DIARIOS

Estación Llanadas Mes enero Año 1965 $\phi = 5^{\circ} 13' N$ $\lambda = 15^{\circ} 09' WGR$ Altura 1.470 M.

Días	TEMPERATURAS °C						TENSION DEL VAPOR m.m.						Humedad Relativa %			Brillo Solar Horas	PRECIPITACION m.m.			EVAPORACION m.m.	VIENTOS						
	7		14		20		7		14		20		7	14	20		7		14		20						
	Med.	Max.	Min.	Med.	Min.	Med.	Med.	Max.	Min.	Med.	Min.	Med.	Med.	Max.	Min.		DIREC.	FUERZA	DIREC.		FUERZA	DIREC.	FUERZA				
1	16.6	21.4	17.0	18.0	15.4	12.8	14.4	13.2	13.5	90	75	91	85	4.7	0.3	---	1.1	1.7	1.0	09	0	06	2	00	2		
2	16.4	23.0	18.2	18.9	24.5	16.0	13.4	11.8	14.0	13.1	86	56	90	81	6.0	2.4	0.6	---	1.2	00	0	06	1	08	2		
3	15.6	24.7	18.0	19.1	26.5	14.8	10.0	12.9	12.0	76	55	84	72	4.0	7.5	---	---	2.4	10	1	00	0	06	2			
4	15.2	24.0	16.6	18.1	25.6	14.8	10.1	11.5	12.6	11.4	78	51	89	73	3.3	1.4	---	---	2.2	10	0	06	1	06	1		
5	15.6	24.2	19.2	19.5	25.5	15.2	13.0	13.2	14.1	12.8	84	58	89	76	8.0	6.3	---	0.3	---	2.2	12	1	00	0	00	0	
6	17.3	25.9	19.6	20.4	26.0	15.8	12.0	12.5	15.4	13.3	81	52	90	74	3.0	6.3	---	---	2.0	06	1	06	2	00	0		
7	16.4	26.6	19.4	20.5	28.6	15.5	10.7	11.3	14.0	12.0	76	43	82	67	4.0	8.8	---	---	2.6	06	1	06	2	06	1		
8	16.4	25.1	18.2	19.5	26.0	14.9	10.7	12.0	12.8	11.6	76	50	78	68	6.7	6.7	---	---	2.4	16	1	00	0	06	1		
9	16.3	24.9	19.0	19.8	25.5	14.9	11.3	12.6	12.9	12.3	81	53	78	71	6.0	4.5	---	---	2.1	00	0	10	1	06	1		
10	17.7	25.8	19.4	20.6	27.0	16.0	12.2	12.2	14.0	12.8	82	48	82	71	7.3	5.4	---	---	1.9	08	1	00	0	06	1		
11	17.4	24.0	18.6	19.7	25.8	16.5	12.0	14.1	14.0	13.4	81	63	88	77	6.7	1.2	---	---	1.6	18	1	18	3	00	0		
12	16.4	19.2	16.0	16.9	21.0	16.0	12.5	13.3	12.7	12.8	89	80	93	87	7.0	---	---	---	1.6	18	1	18	3	00	0		
13	17.0	24.0	19.0	19.8	25.0	15.0	11.3	14.6	14.8	13.6	78	65	90	83	8.0	---	---	---	1.1	09	0	06	1	00	0		
14	18.0	22.4	17.6	18.9	24.0	16.0	14.0	13.7	13.5	13.7	91	67	91	83	7.0	3.6	0.9	0.3	2.1	09	06	8	06	2	06	2	
15	16.0	22.6	17.0	18.2	23.0	15.8	12.4	11.2	13.2	12.3	91	54	91	79	8.0	4.1	1.7	---	2.1	09	06	8	06	2	06	2	
16	15.0	21.6	18.0	18.2	26.0	13.6	10.1	11.1	14.0	11.7	79	57	91	76	8.0	4.4	---	---	0.3	0.3	1.2	00	0	16	1	06	2
17	16.0	21.8	18.6	18.7	26.5	15.2	12.4	11.4	13.2	12.3	91	58	82	77	6.7	0.3	0.3	---	1.2	1.5	2.4	14	2	18	2	06	2
18	15.6	23.6	15.6	17.6	24.0	14.8	8.2	10.9	9.9	9.7	62	50	75	62	7.0	3.1	1.1	---	1.6	1.6	1.4	06	1	10	1	06	2
19	16.4	23.0	19.0	19.5	26.5	15.5	10.8	11.3	14.3	12.1	75	53	87	72	7.7	1.0	---	---	1.2	2.8	1.1	00	0	00	0	16	2
20	16.4	23.0	18.0	18.9	25.0	15.4	10.7	11.9	14.5	12.4	76	57	93	75	8.7	3.2	16.7	---	1.6	1.6	1.4	06	1	10	1	06	2
21	15.2	20.4	17.0	17.5	22.2	13.6	10.3	12.0	12.0	11.4	80	67	82	76	8.0	2.0	9.8	---	3.4	13.2	1.5	06	2	08	2	08	2
22	16.2	23.0	19.4	19.5	25.0	14.8	12.0	10.2	14.5	12.2	87	48	88	74	6.7	3.0	0.7	---	0.7	1.5	08	1	06	1	06	2	
23	16.0	26.0	19.6	20.3	26.5	15.0	11.2	10.4	14.5	11.9	83	40	85	69	6.7	---	---	---	0.1	2.3	1.0	06	1	06	1	06	2
24	16.0	20.0	16.8	17.4	20.0	16.0	12.5	12.3	12.9	12.6	92	71	90	84	8.0	8.2	---	---	2.5	24.4	2.4	00	0	00	0	06	2
25	15.4	23.6	19.0	19.2	25.0	15.0	10.6	11.4	13.8	11.9	81	52	84	72	7.7	4.4	4.6	---	4.6	2.0	08	1	00	0	06	2	
26	16.2	25.1	19.0	19.9	26.0	16.2	11.5	11.9	13.9	12.4	84	50	85	73	6.0	3.8	---	---	---	1.6	08	2	06	1	08	2	
27	17.0	21.4	18.0	18.6	25.0	16.5	12.7	15.3	14.9	14.3	87	80	96	88	6.7	7.4	0.4	---	2.4	3.3	1.6	00	0	10	1	06	2
28	16.8	24.0	19.0	19.7	26.0	15.5	13.8	13.5	15.5	14.3	96	60	94	83	6.7	6.5	6.2	---	6.2	1.1	06	1	06	1	06	2	
29	17.0	25.4	19.0	20.1	26.0	15.6	11.9	12.3	15.5	13.2	81	50	94	75	8.0	4.2	---	---	---	1.7	1.4	1.0	1	06	1	06	1
30	16.0	24.9	19.3	20.1	27.0	15.8	14.0	12.0	16.1	14.0	96	52	96	81	6.7	4.7	1.7	0.8	8.5	1.2	04	1	06	1	06	2	
31	16.2	25.0	20.0	20.3	26.4	15.3	11.8	10.8	16.4	13.0	85	46	94	75	6.7	8.3	7.0	---	1.4	1.0	2	06	2	08	2	08	2
Med.	16.4	23.5	18.3	19.1	25.2	15.4	11.6	12.2	13.9	12.6	83	57	86	76	6.6	4.2	1.9	0.7	0.8	3.4	1.7	---	---	---	---	---	---

Precipitación total : 104.0 m.m.

DATOS DIARIOS

Altura 1.470 M.

φ = 33° N λ = 75° 09' W GR

AÑO 1969

Febbrero

Estación 11.000000

Días	TEMPERATURA °C						TENSION DEL VAPOR m.m.				Humedad Relativa %			NUBOSIDAD DECIOS	Brillo Solar Horas	PRECIPITACION m.m.			VIENTOS										
	7	14	20	Med.	Máx.	Min.	Mínima Sento	7	14	20	Med.	7	14			20	Total	7	14	20	FUERZA DIRECCION Km./Hora	FUERZA DIRECCION Km./Hora	FUERZA DIRECCION Km./Hora						
																								7	14	20	Med.	7	14	20	Med.	7	14	20
1	15.0	22.4	18.8	18.8	23.0	14.0		11.5	12.1	15.7	13.1	90	60	96	82	6.7	1.6		1.7	0.4	2	12	1	06	2				
2	17.0	21.0	19.0	19.5	24.0	16.4		14.0	12.6	14.8	13.8	96	60	90	82	2.3	3.4	1.5			0.6	1	00	0	00	0			
3	17.0	24.0	18.8	19.6	25.4	16.4		14.0	14.9	10.9	13.3	96	66	67	76	6.7	4.5				1.4	00	0	06	1	06	2		
4	17.0	21.7	18.8	19.2	27.0	16.5		14.0	13.6	15.5	14.4	96	70	95	87	5.7	1.5				1.6	10	2	06	1	06	1		
5	16.0	25.0	18.8	19.6	25.4	15.8		12.8	11.9	15.7	13.5	94	50	96	80	6.0	2.4				0.6	0.9	00	0	10	1	16	2	
6	17.4	23.4	19.0	19.7	26.3	16.4		13.9	14.3	14.8	14.3	93	66	90	83	8.0					8.2	0.6	0	06	2	16	3		
7	17.6	25.4	19.0	20.2	25.4	16.5		14.5	13.2	16.2	14.6	96	54	98	83	8.0	4.8	0.6	1.0	2.3	8.2	1.6	0	06	2	16	3		
8	17.0	21.6	19.4	19.3	25.0	15.3		14.0	14.5	15.4	14.6	96	66	94	85	6.7	5.1	4.9	0.5	1.1	1.6	1.6	0	06	2	16	3		
9	17.0	21.6	19.4	19.3	25.0	15.3		12.3	12.7	15.8	13.6	85	66	94	82	8.3	1.4				1.7	0.6	1	06	1	16	2		
10	16.0	26.0	19.3	20.2	26.6	15.6	15.0	13.1	12.7	15.1	13.6	96	50	91	79	6.7	1.5				9.2	1.8	00	0	16	1	04	2	
11	18.2	23.8	19.0	20.0	26.0	17.5	17.0	15.1	12.4	15.5	14.3	96	56	94	82	6.0	3.3	2.2											
12	16.4	25.3	19.7	20.3	26.0	14.6	13.8	11.7	12.1	16.2	13.3	84	50	94	76	8.0	8.4				2.1	2.1	00	0	16	2	10	2	
13	18.0	25.0	19.6	20.5	26.6	17.3	16.0	14.9	12.5	14.6	14.0	96	52	86	78	7.0	1.6				2.1	2.1	00	0	08	1	06	0	
14	15.6	26.6	20.4	20.8	27.0	15.0	14.0	10.0	13.0	17.2	13.4	76	50	96	74	3.0	2.7												
15	16.0	26.4	18.8	20.5	27.0	16.0	15.0	11.8	11.7	15.4	13.0	76	45	94	72	5.0	7.0												
16	16.6	23.0	19.4	19.6	26.4	14.6	13.5	11.3	12.6	15.8	13.2	80	60	94	78	4.0	7.5				4.3	3.6	06	2	16	1	02	2	
17	16.2	24.0	18.4	19.2	25.0	16.0	15.5	12.9	14.3	15.6	14.3	93	64	98	85	6.3	6.2	4.3											
18	17.0	23.6	18.8	19.5	24.0	16.3	15.0	14.6	11.7	15.5	13.9	100	51	85	83	6.7	3.2												
19	17.3	21.5	19.0	19.2	25.0	16.0	15.4	14.8	13.4	15.7	14.6	100	70	95	88	5.7	3.0												
20	17.0	20.6	21.6	22.2	29.0	16.0	14.9	13.1	11.9	15.4	13.5	90	40	80	70	5.7	7.5												
21	19.0	27.4	20.0	21.6	29.0	18.4	17.6	15.9	15.3	16.9	16.0	86	56	96	83	7.0	5.2	0.5	0.1	0.2	0.5	3.0	1.8	06	1	00	0	06	2
22	17.0	24.0	19.0	19.8	25.0	16.2	15.0	14.6	13.8	14.9	14.3	100	60	91	84	7.3	2.5	2.7											
23	17.0	25.0	20.0	20.5	26.0	16.0	15.0	14.0	13.8	16.2	14.7	96	58	93	82	7.7	4.0	29.3	0.6										
24	17.0	25.0	20.0	20.5	26.0	16.0	15.0	14.0	13.8	16.2	14.7	96	58	93	82	7.7	4.0	29.3	0.6										
25	18.0	25.0	20.6	20.1	26.0	17.0	16.0	11.4	12.6	14.8	12.9	73	53	93	73	7.0	5.4	11.6											
26	17.4	24.1	19.6	20.2	26.0	16.5	15.0	13.7	13.6	16.5	14.6	92	61	96	81	7.3	6.3	10.3											
27	18.4	23.4	20.0	20.5	25.3	17.0	16.3	15.2	12.8	15.9	14.6	94	60	91	82	6.0	3.7												
28	16.2	23.6	20.0	19.9	26.7	15.0	14.0	12.4	14.5	15.8	14.2	90	66	90	82	6.0	5.2		0.8										
29																													
30																													
31																													
Med.	17.1	24.4	19.3	20.0	25.9	16.1	(15.2)	13.4	13.1	15.5	14.0	91	58	92	80	6.6	4.7	3.4	0.1	0.1	3.6	1.5							

Precipitación total: 101.8 mm.

DATOS DIARIOS

Estación Llanada.

Mes Marzo

Año 1969

φ - 5° 13' N λ - 75° 09' WGR

Altura 1.470 M.

Días	TEMPERATURAS						TENSION DEL VAPOR			Humedad Relativa %			Brillo Solar Horas	PRECIPITACION m m			VIENTOS												
	7	14	20	Med.	Máx.	Mín.	7	14	20	Med.	7	14		20	Total	7	14	20											
																			DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA					
1	18.0	26.0	19.8	20.9	26.3	17.6	17.0	14.4	14.4	96	46	96	79	7.3	2.3	—	0.7	—	1.5	00	0	16	1	00	0				
2	17.0	20.9	18.4	18.7	22.4	16.3	15.0	13.7	13.9	94	81	83	86	6.0	2.7	—	—	—	0.8	04	1	00	0	14	1				
3	17.0	23.0	19.0	19.5	25.0	16.5	15.4	13.8	13.2	95	90	73	73	4.7	3.8	—	2.0	0.6	2.6	08	2	00	0	06	2				
4	17.0	23.0	19.0	20.0	25.4	14.6	14.0	11.6	10.8	86	46	83	70	10.0	—	—	6.9	15.9	0.9	08	1	06	1	06	2				
5	18.0	25.2	19.5	20.6	26.0	16.0	15.0	9.7	10.5	63	44	80	69	8.3	1.3	—	—	—	1.0	10	2	00	0	06	2				
6	16.4	29.0	18.9	20.8	30.0	13.8	12.5	8.1	8.0	11.3	9.1	65	28	3.0	8.2	—	—	—	1.5	00	0	00	1	00	2				
7	18.0	28.0	20.3	21.6	29.0	16.2	15.1	6.6	11.0	13.3	11.0	56	38	7.5	96	3.0	8.5	—	2.0	16	2	06	1	00	2				
8	18.8	29.0	21.0	21.7	27.0	17.7	16.5	14.6	15.7	15.1	90	63	81	9.0	1.0	—	—	—	1.8	08	2	14	2	06	2				
9	17.8	28.0	20.6	21.8	28.5	16.6	16.0	11.7	12.2	9.3	11.1	76	43	5.1	3.7	3.3	8.1	1.7	—	1.8	00	0	08	1	00	0			
10	18.0	25.1	20.7	21.1	26.4	17.5	16.8	14.0	15.0	17.1	15.4	91	63	82	6.7	5.2	—	—	0.6	2.8	00	0	10	1	06	2			
11	19.0	25.0	20.6	21.3	26.0	18.0	17.3	15.9	14.2	16.2	15.4	96	61	90	8.2	1.7	2.5	—	2.6	0.8	06	1	06	2	06	1			
12	17.6	24.9	20.0	20.6	25.9	16.7	16.0	14.0	13.0	16.2	14.4	93	55	93	8.0	1.7	2.3	—	0.7	1.0	06	1	10	1	08	1			
13	18.4	23.4	20.0	20.4	26.4	17.3	16.0	14.6	14.7	16.6	15.3	93	68	95	8.5	9.0	2.3	—	6.0	1.2	06	1	06	2	06	2			
14	17.8	26.8	20.0	21.2	27.0	17.0	16.0	14.7	12.3	16.6	14.5	98	48	35	7.9	1.0	4.8	—	0.3	1.3	06	1	06	2	06	2			
15	17.0	27.0	21.0	21.5	27.5	16.3	15.5	12.0	13.1	15.6	13.6	82	39	84	7.2	5.0	8.8	—	—	5.0	0.4	2	08	2	06	2			
16	17.0	27.0	20.0	21.0	27.9	16.0	14.6	12.7	13.4	14.7	13.6	88	30	84	7.4	5.0	8.7	—	—	1.8	14	2	08	2	06	2			
17	16.2	26.2	21.0	21.6	29.0	15.4	16.0	10.3	14.4	15.6	13.4	74	50	84	6.9	7.8	—	—	2.6	2.1	10	2	05	2	06	2			
18	18.0	25.0	19.8	20.6	27.0	17.3	16.6	15.8	13.8	16.2	15.3	90	58	94	8.1	6.7	5.1	2.6	—	3.7	1.2	10	1	08	1	06	1		
19	17.6	26.6	19.0	20.6	27.5	16.8	15.5	14.2	13.0	15.9	14.4	94	50	96	8.0	6.3	3.5	33.7	—	1.6	00	0	06	1	06	1			
20	18.0	24.0	19.0	20.0	27.0	16.0	15.1	11.6	14.9	14.8	13.8	75	66	90	7.7	7.0	4.2	—	—	2.8	1.0	2	06	1	08	1			
21	18.0	21.6	19.2	19.5	27.0	17.0	16.1	14.7	10.4	16.4	13.8	95	54	98	8.2	6.0	5.7	—	—	4.2	3.2	00	0	06	1	00	0		
22	16.0	27.2	18.4	20.0	27.5	15.6	15.0	10.8	15.2	15.1	13.7	80	36	93	7.7	5.0	4.6	—	—	0.1	1.6	12	2	08	1	00	0		
23	17.0	27.0	18.6	20.3	28.0	16.4	15.6	13.4	12.5	15.3	13.7	92	46	95	7.0	6.0	6.6	—	—	—	1.2	08	1	06	2	06	1		
24	17.0	25.9	20.0	20.7	28.0	15.9	15.0	12.3	13.5	16.1	14.0	85	54	92	7.7	4.7	6.2	—	—	0.9	1.6	08	2	00	0	00	0		
25	18.8	19.0	18.0	18.4	22.0	17.1	16.0	15.7	15.2	13.4	14.8	96	92	86	9.2	10.0	—	—	—	15.7	0.8	00	0	06	3	10	2		
26	17.6	24.9	20.0	20.9	26.9	16.0	15.1	13.0	14.7	16.7	14.8	86	63	93	8.1	6.3	5.6	—	—	—	1.8	08	1	08	2	00	0		
27	17.6	25.0	20.0	20.6	26.0	16.4	15.3	14.5	15.0	16.2	15.2	96	63	93	8.4	5.0	5.3	—	—	5.2	1.6	00	0	00	0	00	0		
28	18.4	24.8	20.6	21.1	26.0	17.4	16.1	15.3	14.0	16.7	15.3	96	60	93	6.7	6.7	0.9	—	—	13.5	—	—	0.4	1	00	0	00	0	
29	18.0	22.9	20.3	20.4	27.0	17.0	16.2	14.9	16.2	16.6	16.8	96	88	94	9.3	6.0	3.2	—	—	2.8	0.1	2.9	1.0	00	0	10	2	00	0
30	18.2	27.4	20.2	21.5	28.0	17.4	16.6	15.1	13.3	15.2	14.5	96	48	86	7.7	6.7	5.4	—	—	0.7	1.0	00	0	10	1	00	0		
31	18.0	25.0	20.0	20.8	26.0	17.4	16.1	14.7	13.8	16.9	15.3	95	50	96	8.3	5.3	3.3	—	—	—	1.2	06	1	06	1	00	0		
Med.	17.6	25.3	19.8	20.6	26.8	16.6	15.6	13.2	13.3	15.1	13.9	87	56	88	7.7	6.3	4.6	—	—	0.2	5.0	1.2	—	—	—	—	—	—	

PRECIPITACION Total: 153.6 mm

DATOS DIARIOS

Estación Llanadas Mes Abril Año 1969 $\phi = 5^{\circ} 13' N$ $\lambda = 75^{\circ} 09' W$ Altura 3,470 M.

Días	TEMPERATURAS					TENSION DEL VAPOR					Humedad Relativa.			Brillo Solar		PRECIPITACION				EVAPORACION			VIENTOS												
	Med.		Máx.	Min.	Mínima Suelo	m m		%		7	14	20	mm		7	14	20	Total	7	14	20	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA											
	7	14				20	7	14	20				7	14											20	7	14	20							
1	17.6	27.4	20.6	21.6	28.5	16.4	15.3	14.4	13.3	16.7	14.8	95	48	93	79	5.7	7.1	--	--	--	5.8	1.8	00	0	06	1	08	2							
2	18.0	26.6	20.0	21.2	27.0	16.4	15.3	13.8	17.0	16.9	15.5	90	60	96	82	5.7	6.7	5.8	--	--	1.2	08	1	06	1	08	2								
3	18.6	29.0	19.4	20.6	25.6	17.6	17.0	15.4	14.2	16.1	15.2	94	60	95	83	9.7	1.3	1.2	--	--	--	0.8	06	1	06	1	08	2							
4	18.6	26.2	18.6	20.5	26.7	17.4	16.6	15.5	14.0	16.1	15.2	96	55	100	84	8.7	3.7	--	--	--	0.7	13.3	14.8	0.8	06	1	10	1	08	1					
5	17.0	21.3	18.0	18.6	23.8	16.1	15.3	14.0	13.2	14.1	13.8	96	70	92	86	9.7	1.2	0.8	0.5	--	30.8	1.6	08	2	06	1	08	1							
6	18.0	25.6	19.0	20.4	26.6	16.5	15.4	12.4	12.9	13.5	13.6	80	52	94	75	6.7	1.8	--	--	--	30.8	1.6	08	1	06	1	06	1	08	1					
7	17.0	23.0	20.0	19.3	26.4	15.0	14.0	13.1	14.0	13.5	13.5	90	66	85	80	6.0	3.4	--	--	--	12.4	2.3	00	0	06	1	06	1	06	1					
8	17.8	25.4	20.0	20.6	27.0	16.5	14.9	13.7	13.5	16.4	14.5	90	55	94	80	7.3	4.6	12.4	--	--	1.6	00	0	06	1	06	1	06	1	06	1				
9	17.0	25.8	19.0	20.2	26.3	16.3	15.0	13.5	12.0	15.2	13.6	93	48	93	78	6.7	2.1	9.3	--	--	--	0.8	06	1	08	1	06	1	06	1	06	1			
10	17.8	24.0	20.0	20.4	28.0	16.3	15.1	15.0	13.0	16.9	15.0	98	58	96	84	5.7	5.8	--	--	--	1.8	2.3	1.6	00	0	06	1	06	1	06	1	06	1		
11	18.8	28.0	17.1	18.6	24.2	17.3	16.0	15.4	16.6	14.0	15.3	94	63	96	91	10.0	0.2	0.5	18.2	4.0	22.8	0.6	00	0	06	1	06	1	06	1	06	1			
12	17.0	22.8	19.0	19.4	24.6	16.0	15.1	13.1	12.7	15.9	13.9	90	61	96	82	10.0	0.9	0.6	18.2	4.0	22.8	0.6	00	0	06	1	06	1	06	1	06	1			
13	18.0	25.2	18.6	20.1	27.5	16.1	15.2	14.9	12.5	15.3	14.2	96	52	95	81	6.7	3.8	3.0	--	--	--	1.8	2.3	1.6	00	0	06	1	06	1	06	1			
14	18.0	28.2	17.0	18.6	26.0	16.0	15.1	14.1	10.5	14.0	12.9	92	52	96	80	6.7	4.2	5.8	--	--	--	11.2	11.6	0.7	16	1	00	0	06	1	06	1			
15	16.0	22.6	18.0	18.6	24.5	15.4	14.6	13.0	14.5	14.1	13.9	95	70	96	87	8.1	8.0	4.4	7.0	0.1	8.0	0.7	16	1	00	0	06	1	06	1	06	1			
16	16.1	23.0	17.6	18.6	24.0	15.6	15.0	13.3	11.3	14.4	13.0	96	53	95	81	9.0	0.8	0.9	0.5	0.8	24.4	0.7	00	0	08	2	06	3	06	3	06	3			
17	16.0	17.1	16.0	16.3	23.0	14.9	14.0	13.0	13.1	12.3	12.8	95	90	90	92	9.0	0.8	23.1	32.3	2.5	14.8	0.8	00	0	08	1	06	1	06	1	06	1			
18	17.0	24.0	17.0	18.8	25.0	15.3	14.4	12.3	14.6	14.0	13.6	85	65	96	82	8.0	3.2	--	--	--	4.9	13.7	1.0	06	1	00	0	14	2	06	1	06	1		
19	16.0	24.0	19.1	19.6	25.0	14.6	13.8	10.3	13.0	15.1	12.7	74	58	92	75	6.0	3.5	8.8	--	--	--	0.4	1.2	14	2	06	1	10	1	06	1	06	1		
20	16.0	26.0	19.1	20.0	27.2	15.0	14.1	10.2	12.7	15.7	12.9	75	50	95	73	6.7	4.5	0.4	--	--	--	1.1	1.3	08	2	00	0	06	1	06	1	06	1		
21	17.8	25.6	18.8	20.2	26.3	15.0	14.1	14.7	10.4	15.4	13.5	96	42	94	77	6.7	2.4	1.1	--	--	--	0.9	0.6	1	10	1	06	1	06	1	06	1			
22	17.0	18.8	17.6	17.8	22.5	15.9	15.0	13.7	6.9	14.5	11.7	94	42	96	77	10.0	0.2	--	--	--	1.6	49.3	0.4	00	0	10	1	06	0	06	0	06	0		
23	17.2	24.0	18.6	19.6	26.0	15.6	14.6	14.0	12.4	15.3	13.9	95	55	95	82	10.0	0.5	47.7	5.8	0.5	8.0	0.8	00	0	06	1	06	1	06	1	06	1			
24	17.2	21.6	18.0	18.7	21.9	16.0	15.4	14.1	15.4	14.7	14.7	96	80	95	90	9.3	0.1	1.7	--	--	--	0.8	0.8	00	0	10	1	06	1	06	1	06	1		
25	17.1	25.2	16.8	19.2	22.6	16.9	14.0	13.5	15.9	13.8	14.4	93	80	96	90	10.0	--	--	--	--	6.4	0.7	40.5	0.7	06	1	06	1	14	1	06	1			
26	16.0	26.2	18.8	20.0	27.0	14.6	13.1	12.3	14.0	14.6	13.6	90	57	90	78	6.7	7.6	31.4	0.8	--	0.8	1.8	00	0	14	2	00	0	14	2	00	0			
27	16.0	27.0	20.0	20.8	27.9	14.6	14.0	12.0	13.9	16.6	14.2	88	52	95	78	4.0	7.6	--	--	--	--	--	--	--	1.3	04	1	06	2	00	1	06	1	06	1
28	18.0	26.0	18.6	20.3	27.0	16.0	15.4	14.6	13.9	15.5	14.7	94	55	96	82	6.7	5.5	--	--	--	--	--	--	--	0.2	1.0	06	1	10	2	06	1	06	1	
29	16.2	24.0	18.0	19.0	25.5	14.9	14.0	13.0	12.4	14.9	13.4	94	56	96	82	8.3	2.2	0.2	0.4	--	0.4	1.1	06	1	00	0	06	1	06	1	06	1			
30	15.0	25.0	18.1	19.0	25.4	14.0	12.4	11.5	13.4	14.9	13.3	90	56	96	81	7.0	4.7	--	--	--	19.4	25.4	1.2	06	1	06	1	06	1	06	1	06	1		
31																																			
Med	17.1	24.0	18.5	19.5	25.6	15.7	14.8	13.4	13.2	15.1	13.9	91	59	95	82	7.7	3.1	6.2	2.2	3.5	12.1	1.0	--	--	--	--	--	--	--	--	--	--	--	--	

Precipitación total : 362.5 m.m.

DATOS DIARIOS

Estación Llanadana Mes Mayo Año 1969 $\phi = 5^{\circ} 33' N$ $\lambda = 15^{\circ} 09' W$ GR. Altura 1,470 M.

Días	TEMPERATURAS $^{\circ}C$						TENSION DEL VAPOR m m						Humedad Relativa %			Brillo Solar Horas	PRECIPITACION m m			VIENTOS						
	Máx.		Min.		Méd.		Máx.		Min.		Méd.		Máx.		Min.		Méd.		7		14		20			
	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20		7	14	20	7	14	20	DIREC. FUERZA Km./Hora	DIREC. FUERZA Km./Hora	DIREC. FUERZA Km./Hora	
1	15.0	22.0	17.4	18.0	24.2	14.0	13.3	12.3	12.4	14.4	13.0	96	63	98	86	8.7	5.2	6.0	6.0	0	0	0	0	0	0	
2	16.0	21.9	16.0	17.5	24.3	14.6	13.1	12.5	13.3	12.7	12.8	92	68	91	84	8.7	5.4	—	—	—	—	—	—	—	—	
3	16.0	21.8	19.1	19.0	26.0	14.0	13.2	13.0	17.9	16.5	15.8	95	92	100	96	6.7	0.1	0.6	0.8	1.8	25.1	0.9	0.8	2	12	2
4	17.0	19.7	17.6	18.2	21.9	17.3	16.5	15.6	16.4	15.5	15.8	100	95	100	98	7.0	—	22.5	2.5	14.6	17.8	0.8	0.6	1	10	1
5	18.0	24.0	19.2	19.8	25.5	15.6	14.8	12.7	15.5	16.4	14.9	80	60	98	82	8.0	4.2	0.7	—	—	—	—	—	—	—	—
6	16.82	27.3	21.0	21.4	28.4	15.6	14.2	13.3	13.5	17.0	14.6	96	50	91	79	6.7	8.5	—	—	—	—	—	—	—	—	—
7	17.8	26.2	20.0	21.0	28.5	17.5	16.0	15.0	15.5	15.6	15.4	98	60	95	84	7.7	3.7	—	—	—	—	—	—	—	—	—
8	18.0	27.3	20.9	21.8	28.0	16.0	15.3	13.8	14.1	16.4	14.8	90	52	90	77	8.7	6.3	—	—	—	—	—	—	—	—	—
9	18.8	22.9	19.0	19.9	24.0	17.3	16.5	15.5	15.9	15.9	15.8	95	76	96	89	9.7	—	0.2	0.9	2.1	39.3	0.7	0.6	2	0.8	2
10	17.0	23.0	18.0	19.0	24.0	15.3	14.2	14.0	12.6	14.7	13.8	96	60	95	84	8.0	0.9	36.3	15.8	—	—	—	—	—	—	—
11	18.2	26.2	20.6	21.4	28.5	16.0	15.3	15.4	13.8	16.9	15.4	98	54	93	82	7.3	5.2	—	—	—	—	—	—	—	—	—
12	17.8	29.0	20.0	21.7	29.5	16.6	16.0	13.0	15.8	16.3	15.0	85	52	95	77	4.7	8.0	—	—	—	—	—	—	—	—	—
13	18.5	26.8	19.0	20.8	27.1	16.1	15.0	12.9	13.2	15.9	14.0	80	50	96	75	8.0	5.4	—	—	—	—	—	—	—	—	—
14	18.0	25.8	18.6	20.2	26.5	16.0	15.5	13.4	14.0	15.5	14.3	86	56	96	79	6.7	3.1	—	—	—	—	—	—	—	—	—
15	17.0	25.8	19.0	20.2	26.3	16.0	15.0	13.8	14.0	15.1	14.5	95	56	95	82	6.3	3.8	11.6	—	—	—	—	—	—	—	—
16	17.0	28.6	17.7	19.5	27.2	16.0	15.1	14.6	13.6	16.0	14.4	100	55	98	84	7.3	3.3	10.9	5.1	—	—	—	—	—	—	—
17	17.0	27.3	20.4	21.3	28.5	15.9	15.0	13.2	12.3	16.6	14.0	91	45	93	76	8.0	6.1	—	—	—	—	—	—	—	—	—
18	17.0	25.4	20.6	20.6	26.0	15.6	14.7	14.6	16.9	16.9	16.3	100	70	96	89	8.3	2.6	50.2	—	—	—	—	—	—	—	—
19	17.0	29.0	19.2	20.4	26.5	16.8	16.0	12.3	14.7	15.0	14.0	95	58	90	78	6.0	7.1	1.5	—	—	—	—	—	—	—	—
20	17.9	29.0	21.0	22.2	29.5	17.0	15.9	14.7	14.4	17.1	15.6	96	48	95	80	6.7	7.0	—	—	—	—	—	—	—	—	—
21	18.0	22.4	18.2	19.2	26.5	17.4	16.0	13.4	14.3	14.0	13.9	86	70	90	82	8.7	2.6	9.5	0.5	1.1	1.6	0.3	0.8	1	0.6	2
22	17.0	29.0	21.0	22.2	30.0	16.5	15.4	12.3	15.1	17.3	14.9	85	50	90	75	6.0	7.7	—	—	—	—	—	—	—	—	—
23	17.9	26.8	20.0	21.0	27.0	17.1	16.4	15.4	15.5	16.6	15.8	100	60	95	85	6.7	2.3	19.0	—	—	—	—	—	—	—	—
24	17.0	27.8	21.0	21.7	29.5	16.8	15.6	12.2	12.3	16.7	13.7	84	44	90	73	7.0	8.6	—	—	—	—	—	—	—	—	—
25	17.6	27.6	20.0	21.3	28.6	17.4	16.2	15.2	15.2	16.4	15.6	100	55	94	83	8.3	4.7	—	—	—	—	—	—	—	—	—
26	18.0	25.0	20.0	20.8	26.5	17.6	16.5	15.2	12.6	16.4	14.7	98	53	94	82	9.0	1.4	—	—	—	—	—	—	—	—	—
27	18.0	26.0	20.9	21.4	28.4	16.0	15.3	12.4	15.7	16.4	14.8	80	63	90	78	8.7	2.5	—	—	—	—	—	—	—	—	—
28	18.0	27.2	21.0	22.0	29.2	17.3	16.1	13.1	14.3	14.9	14.2	95	50	80	72	9.0	4.8	—	—	—	—	—	—	—	—	—
29	18.6	28.2	21.4	22.2	28.5	17.6	16.4	15.3	17.0	16.9	16.1	95	62	85	81	7.7	3.2	0.3	0.2	—	—	—	—	—	—	—
30	19.6	28.0	21.0	22.4	28.0	18.3	17.1	15.4	13.2	15.4	14.7	90	46	82	73	10.0	5.7	—	—	—	—	—	—	—	—	—
31	18.0	25.0	20.6	21.0	26.0	17.2	16.2	13.8	12.9	18.2	15.0	90	54	100	81	10.0	7.5	31.9	3.0	—	—	—	—	—	—	—
Med	17.5	25.6	19.6	20.6	27.0	16.4	15.4	13.8	14.4	16.0	14.7	92	59	93	81	7.7	4.4	6.5	0.9	1.2	9.2	1.2	—	—	—	—

Precipitación total : 284.0 mm.

DATOS DIARIOS

Estación Llanadana Mes Junio Año 1969 φ = 9° 13' N λ = 75° 09' W GR. Altura 1.470 M.

Table with columns: Días, TEMPERATURAS (7, 14, 20, Med., Máx., Mín., Mínima Sombra), TENSION DEL VAPOR (7, 14, 20, Med.), Humedad Relativa (7, 14, 20, Med.), NUBOSIDAD DECIMOS, HORA SOLAR, PRECIPITACION (7, 14, 20, Total) in mm, EVAPORACION (7, 14, 20, Total) in mm, and VIENTOS (7, 14, 20) with direction and force in Km/Hora.

Precipitación total : 215.2 mm.

DATOS DIARIOS

Estación Llanadas

Mes Julio

Año 1969

φ - 9° 13' N λ - 75° 09' WGR

Altura 1.470 M.

Días	TEMPERATURAS							TENSION DEL VAPOR				Humedad Relativa %			Brillo Solar Horas		PRECIPITACION m m			EVAPORACION			VIENTOS									
	7	14	20	Med.	Máx.	Min.	Mínima Suño	7	14	20	Med.	7	14	20	Med.	7	14	20	Total	7	14	20	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA		
																															7	14
1	18.0	25.0	19.4	20.4	27.1	16.0	15.0	14.0	12.6	15.2	13.9	91	53	90	78	6.0	3.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
2	17.4	25.0	18.3	19.8	27.3	16.3	15.4	13.6	11.9	14.5	13.3	91	50	93	78	8.0	3.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
3	17.0	28.3	19.0	20.8	29.0	16.0	15.5	13.2	10.3	13.6	12.4	91	36	83	70	8.1	2.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
4	15.0	29.9	20.0	20.2	30.3	14.6	14.0	11.3	11.1	11.2	11.2	88	35	70	64	3.0	8.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
5	17.2	28.2	19.9	21.3	29.0	16.4	15.3	12.5	10.6	14.8	12.6	83	37	86	69	6.0	5.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
6	17.6	27.6	19.9	21.2	28.8	17.3	15.7	12.7	8.4	11.4	10.8	84	30	66	60	4.5	0.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
7	17.7	27.4	19.6	21.1	28.5	16.9	16.0	13.7	12.7	15.4	13.9	90	46	90	75	10.0	0.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
8	17.0	27.4	19.0	20.6	28.0	16.3	15.8	13.7	12.1	14.8	13.5	94	44	80	76	5.0	6.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
9	15.6	28.5	19.4	20.2	28.0	15.3	14.2	12.6	14.0	14.4	13.7	93	54	86	78	7.0	4.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
10	17.5	25.0	20.0	20.1	28.0	16.4	15.3	13.6	13.1	14.8	13.8	91	55	90	79	4.7	7.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
11	17.3	27.0	20.0	21.1	27.5	16.3	15.4	14.1	11.6	15.8	13.8	96	43	80	76	8.0	2.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
12	16.0	27.9	20.0	21.0	28.3	14.7	13.9	12.4	12.5	15.8	13.6	91	45	90	75	5.0	7.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
13	17.0	29.0	19.2	21.1	30.3	16.3	15.4	10.2	9.2	14.0	11.1	70	30	84	61	4.7	7.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
14	17.4	28.6	17.0	21.0	29.0	16.0	15.2	11.3	11.9	14.1	12.4	75	40	86	67	9.1	0.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
15	16.0	28.0	18.0	20.0	28.8	15.3	14.4	12.4	12.2	14.0	12.9	91	43	90	75	5.0	7.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
16	19.4	27.0	19.0	21.1	29.0	15.8	15.0	16.3	13.0	13.8	14.4	96	48	84	76	4.7	5.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
17	17.0	26.9	19.0	20.5	28.8	15.3	14.4	12.2	12.0	13.8	12.7	84	45	84	71	6.0	6.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
18	17.0	29.0	19.5	21.2	29.5	14.8	14.0	13.2	12.1	13.6	13.0	91	40	80	70	4.7	7.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
19	18.0	29.6	20.0	21.9	29.9	17.0	16.0	13.4	12.4	13.1	13.0	86	40	85	67	5.7	5.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
20	16.6	28.4	19.9	21.2	29.9	16.4	15.4	10.6	11.6	12.4	11.5	75	38	72	62	5.3	6.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
21	17.6	28.0	19.0	20.9	29.0	17.0	16.0	13.0	11.9	13.2	12.7	86	42	80	69	9.3	1.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
22	17.0	29.0	18.0	20.5	29.5	16.5	15.4	10.2	9.2	9.3	9.6	70	30	60	53	6.7	6.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
23	16.0	29.0	20.0	21.2	30.0	15.0	14.1	12.0	10.5	13.7	12.3	88	35	78	67	6.0	7.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
24	16.0	30.0	20.0	21.5	31.0	14.5	13.5	12.3	14.9	14.9	14.0	90	46	85	74	5.0	7.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
25	17.0	27.4	19.9	21.1	28.3	15.6	15.0	13.7	11.2	13.9	12.9	94	40	80	71	6.0	7.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
26	17.1	28.2	18.4	20.5	29.5	16.0	15.3	13.1	11.5	13.5	12.7	90	40	80	70	3.0	7.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
27	16.0	29.5	20.0	21.4	30.0	15.4	14.0	12.3	10.3	12.2	11.6	90	33	70	64	6.7	3.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
28	17.8	28.6	20.0	21.6	29.0	17.4	16.0	13.0	14.8	14.8	14.1	85	50	83	73	10.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
29	16.0	27.0	20.0	21.0	28.0	15.0	14.2	13.1	15.5	14.5	14.4	96	58	80	78	6.0	5.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
30	17.2	27.0	20.0	21.0	29.5	17.0	16.0	14.6	13.9	14.1	14.2	100	52	80	77	6.0	4.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
31	18.0	26.9	21.0	21.7	28.9	17.4	16.0	14.1	13.2	17.5	14.9	92	50	94	79	6.3	4.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Med.	17.0	27.8	19.5	20.9	28.9	16.0	15.0	12.9	12.1	13.9	12.9	88	43	82	71	6.3	5.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Precipitación total 26.7 m.m.

DATOS DIARIOS

Estación Llanadas Mes Agosto Año 1969 $\phi = 5^{\circ} 13' N$ $\lambda = 75^{\circ} 09' W$ Altura 1.470 M.

Días	TEMPERATURAS °C					TENSION DEL VAPOR mm					Humedad Relativa %			Brillo Solar DECIMOS	PRECIPITACION mm			EVAPORACION mm			VIENTOS													
	7	14	20	Med.	Máx.	Mín.	Mínima Sentido	7	14	20	Med.	7	14		20	Med.	7	14	20	Total	7	14	20	7		14		20						
																								DIREC CION	FUERZA Km./Hora	DIREC CION	FUERZA Km./Hora	DIREC CION	FUERZA Km./Hora					
1	17.0	23.4	20.0	20.6	26.2	16.0	15.0	13.5	15.2	15.8	14.8	93	63	90	82	8.7	2.3	—	—	—	—	—	—	2.3	1.6	1.2	2	00	0					
2	18.0	28.4	21.4	22.3	30.0	16.0	15.3	12.4	10.2	15.6	12.7	80	35	82	66	5.3	5.8	—	—	—	—	—	—	1.4	0.8	1	00	0	0					
3	19.0	26.0	20.1	21.3	28.0	17.5	17.0	12.3	11.6	13.8	12.6	75	46	78	69	6.7	2.8	—	—	—	—	—	—	2.0	0.6	3	00	0	0					
4	16.0	26.0	19.0	20.0	28.0	15.6	14.4	10.6	10.6	14.3	11.8	78	42	87	69	6.0	5.4	—	—	—	—	—	—	2.6	0.2	1	06	1	06					
5	18.5	28.0	20.4	21.8	29.4	16.5	16.0	14.3	14.9	16.0	15.1	90	52	90	77	6.7	6.2	—	—	—	—	—	—	2.4	3.0	2	00	0	0					
6	17.5	27.0	20.0	21.1	28.6	17.0	16.0	14.4	14.2	16.4	15.0	96	53	94	81	10.0	0.8	—	—	—	—	—	—	2.6	1.6	1	00	1	00					
7	16.8	28.6	20.0	21.4	29.0	16.2	15.0	12.5	10.2	14.1	12.3	88	35	80	68	7.7	4.9	—	—	—	—	—	—	1.6	0.0	0	06	1	12					
8	18.0	26.2	20.0	21.0	27.1	17.0	16.0	14.9	11.1	14.4	13.5	96	43	83	74	8.0	2.5	—	—	—	—	—	—	2.2	0.8	2	00	0	14					
9	18.0	29.0	19.0	19.8	26.0	16.3	15.4	14.9	15.2	15.2	15.1	96	72	93	87	7.3	2.3	—	—	—	—	—	—	1.4	1.2	0.8	1	06	1	00				
10	16.0	29.0	19.6	20.0	28.2	15.0	14.0	13.0	14.2	14.3	13.8	95	60	84	80	5.0	6.6	—	—	—	—	—	—	—	1.9	4.0	14	2	00	14				
11	17.6	24.0	18.4	19.6	25.9	16.8	16.0	14.5	13.5	13.5	13.8	96	60	85	80	10.0	0.5	—	—	—	—	—	—	—	2.2	0.8	2	06	1	08				
12	16.0	27.0	18.0	19.8	28.1	14.4	13.1	13.0	12.5	14.0	13.2	95	46	91	77	4.7	6.7	—	—	—	—	—	—	1.0	1.0	2.2	0.0	0	00	0				
13	16.0	25.0	18.0	19.2	26.0	15.0	14.1	12.7	13.4	14.1	13.4	93	56	92	80	6.0	5.9	—	—	—	—	—	—	—	6.4	2.5	0.8	1	16	2	00			
14	17.0	25.8	20.0	20.7	26.5	16.3	16.0	14.0	13.0	16.2	14.4	96	92	93	80	7.7	4.0	—	—	—	—	—	—	—	—	6.5	1.2	0.4	2	06	1	00		
15	17.0	23.6	19.0	19.6	25.0	16.4	15.0	14.2	13.7	15.1	14.3	98	63	92	84	8.0	2.9	—	—	—	—	—	—	—	—	2.5	0.8	0.6	2	04	2	06		
16	17.8	26.0	20.0	21.0	27.5	17.3	16.1	14.9	11.3	15.8	14.0	100	45	90	78	7.3	2.5	—	—	—	—	—	—	—	—	—	7.4	1.8	0.6	1	06	1	00	
17	17.0	25.0	20.0	20.5	25.5	15.8	14.0	13.5	15.0	16.4	15.0	93	63	94	83	6.0	3.6	—	—	—	—	—	—	—	—	—	7.4	1.8	0.6	1	06	1	00	
18	17.9	26.6	19.0	20.6	27.0	17.4	16.5	14.5	13.0	14.8	14.1	97	50	79	3.1	7.3	—	—	—	—	—	—	—	—	—	—	7.0	2.2	0.0	0	06	1	00	
19	16.0	25.0	18.6	19.6	27.0	15.6	14.1	13.1	11.9	15.2	13.4	96	90	94	80	4.7	6.9	—	—	—	—	—	—	—	—	—	0.4	16.9	2.4	10	2	00	0	06
20	16.0	26.6	18.0	19.6	27.0	15.4	14.0	12.5	11.9	14.7	13.0	92	45	95	77	8.0	3.2	—	—	—	—	—	—	—	—	—	3.0	0.6	1	00	0	06		
21	17.0	25.9	18.2	19.8	27.6	16.0	15.1	14.0	13.0	14.3	13.8	96	52	92	80	5.0	6.2	—	—	—	—	—	—	—	—	—	38.2	2.0	0.8	1	06	1	04	
22	16.0	27.0	19.0	20.2	28.6	15.0	14.0	13.0	12.5	14.8	13.0	86	46	90	74	3.0	8.9	—	—	—	—	—	—	—	—	—	29.7	0.6	0.8	1	06	1	00	
23	17.0	24.6	19.0	19.9	28.0	16.3	15.0	13.1	13.9	15.2	14.1	100	61	93	81	4.7	5.2	—	—	—	—	—	—	—	—	—	17.9	2.0	0.6	1	06	2	00	
24	18.0	26.6	20.0	21.2	27.0	16.3	15.4	15.6	11.9	16.2	14.6	100	45	93	79	5.7	5.2	—	—	—	—	—	—	—	—	—	17.3	1.2	0.0	0	06	1	00	
25	18.0	25.0	19.0	20.8	27.5	17.3	16.5	14.6	10.7	15.7	13.7	94	40	95	76	5.3	4.8	—	—	—	—	—	—	—	—	—	12.5	1.9	0.8	1	14	1	06	
26	16.4	25.8	18.5	19.8	27.0	15.6	14.0	14.1	14.5	15.4	14.7	100	96	96	85	7.7	5.9	—	—	—	—	—	—	—	—	—	0.1	29.8	1.4	0.6	1	06	1	06
27	17.4	25.0	18.6	19.9	27.0	15.6	14.3	13.1	11.2	12.8	12.4	98	53	94	82	7.7	4.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
28	16.1	25.4	18.4	19.6	27.0	15.6	14.3	13.1	11.2	12.8	12.4	96	46	80	74	8.3	4.3	—	—	—	—	—	—	—	—	—	—	1.4	0.6	2	06	1	00	
28	16.0	26.0	18.0	19.5	26.5	15.4	14.5	13.4	11.3	12.9	12.5	98	45	83	75	7.0	4.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
30	16.0	27.0	17.6	19.6	28.0	15.8	15.0	13.4	12.2	13.2	12.3	98	45	74	72	6.3	3.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
31	17.6	26.8	18.0	20.1	27.5	16.0	15.3	15.1	12.0	13.4	13.5	100	45	86	77	6.0	5.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Med.	17.0	26.0	19.1	20.3	27.3	16.1	15.1	13.6	12.7	14.7	13.7	93	50	89	77	6.6	4.6	—	—	—	—	—	—	—	—	—	5.9	1.0	—	—	—	—	—	

Precipitación total 1964 mm.

DATOS DIARIOS

Estación L. I. S. S. S. S. S. Mes Septiembre Año 1969 $\phi = 5^{\circ} 13' N$ $\lambda = 75^{\circ} 09' WGR$ Altura 1410 M.

Días	TEMPERATURAS °C						TENSION DEL VAPOR mm						Humedad Relativa %			Brillo Solar SUBSIDIOS DECIMOS Horas			PRECIPITACION mm			EVAPORACION mm			VIENTOS					
	7		14		20		7		14		20		7		14		20		7		14		20		7		14		20	
	Med.	Max.	Min.	Med.	Max.	Min.	Med.	Max.	Min.	Med.	Max.	Min.	Med.	Max.	Min.	Med.	Max.	Min.	Med.	Max.	Min.	Med.	Max.	Min.	Med.	Max.	Min.	Med.	Max.	Min.
1	16.2	19.0	17.5	17.6	22.0	15.6	12.4	12.4	12.8	12.8	80	85	85	7.0	6.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2	15.8	21.4	19.0	20.1	28.0	15.4	14.6	14.6	14.8	12.8	91	40	50	7.1	5.3	6.1	—	—	—	—	—	—	—	—	—	—	—	—	—	
3	17.4	28.0	20.0	21.2	28.5	15.0	13.5	13.5	14.1	12.9	92	40	80	7.1	7.0	7.9	—	—	—	—	—	—	—	—	—	—	—	—	—	
4	19.0	30.0	19.6	21.8	30.5	15.8	13.0	13.0	8.6	11.1	10.2	71	25	65	4.0	8.1	—	—	—	—	—	—	—	—	—	—	—	—	—	
5	16.2	29.0	20.0	21.3	30.6	15.8	15.0	9.7	12.1	12.2	11.3	70	40	70	6.0	4.7	8.9	—	—	—	—	—	—	—	—	—	—	—	—	
6	17.6	27.4	20.0	21.2	28.0	17.0	16.0	14.0	11.2	12.2	12.5	93	40	70	6.8	2.0	2.0	—	—	—	—	—	—	—	—	—	—	—	—	
7	17.0	26.0	19.3	20.4	27.6	16.4	15.5	14.0	12.2	14.0	13.4	96	48	84	7.6	1.7	2.7	—	—	—	—	—	—	—	—	—	—	—	—	
8	17.2	26.6	18.4	20.2	27.0	16.0	15.2	11.5	10.0	11.3	10.9	78	33	71	6.2	4.7	8.4	—	—	—	—	—	—	—	—	—	—	—	—	
9	16.0	27.0	18.3	19.9	28.0	14.8	14.0	11.4	8.9	10.4	10.2	84	33	66	6.1	5.3	7.5	—	—	—	—	—	—	—	—	—	—	—	—	
10	17.0	27.0	19.0	20.5	28.2	15.3	14.2	13.1	9.4	12.2	11.6	90	35	74	6.6	4.0	8.1	—	—	—	—	—	—	—	—	—	—	—	—	
11	16.0	26.5	17.0	19.1	27.0	15.0	14.0	11.4	11.5	10.6	11.8	84	52	72	6.9	9.0	2.6	—	—	—	—	—	—	—	—	—	—	—	—	
12	16.5	25.4	17.3	19.1	26.2	14.4	13.3	12.1	14.6	11.2	12.6	86	60	76	7.4	4.0	8.7	—	—	—	—	—	—	—	—	—	—	—	—	
13	15.4	28.0	18.4	20.0	29.0	14.0	13.2	9.8	7.0	11.1	9.3	70	25	70	5.5	4.1	8.4	—	—	—	—	—	—	—	—	—	—	—	—	
14	17.0	27.0	19.0	20.5	28.5	15.6	14.3	13.1	11.4	11.5	12.0	90	42	70	6.7	9.0	2.8	—	—	—	—	—	—	—	—	—	—	—	—	
15	16.0	27.0	19.4	20.4	27.5	15.4	14.0	13.0	13.4	13.5	13.3	95	50	80	7.5	6.7	5.0	—	—	—	—	—	—	—	—	—	—	—	—	
16	17.1	24.6	18.0	19.4	26.0	15.3	14.0	12.2	14.8	13.4	13.5	82	64	86	7.7	8.0	2.9	—	—	—	—	—	—	—	—	—	—	—	—	
17	17.4	25.2	18.8	20.0	26.6	16.4	15.0	14.2	13.3	15.8	14.4	96	55	97	8.1	6.0	4.0	—	—	—	—	—	—	—	—	—	—	—	—	
18	17.0	24.9	19.2	20.1	26.0	15.6	15.0	13.2	12.3	15.0	13.5	91	52	80	7.8	9.0	2.1	—	—	—	—	—	—	—	—	—	—	—	—	
19	17.0	19.2	15.4	16.8	20.6	16.1	15.0	11.7	11.3	12.2	11.1	94	80	93	8.9	10.0	0.2	—	—	—	—	—	—	—	—	—	—	—	—	
20	16.0	24.0	19.6	19.8	26.0	14.6	13.0	13.0	12.4	15.5	13.6	95	56	91	8.1	5.0	6.2	—	—	—	—	—	—	—	—	—	—	—	—	
21	16.0	24.9	19.4	19.9	26.0	15.3	14.0	13.1	11.8	15.5	13.5	96	50	92	7.9	10.0	—	—	—	—	—	—	—	—	—	—	—	—	—	
22	16.2	26.2	19.6	20.4	27.8	14.8	14.0	12.4	11.5	16.3	13.4	90	45	95	7.7	5.0	3.9	—	—	—	—	—	—	—	—	—	—	—	—	
23	18.0	25.0	18.6	20.0	27.5	16.6	16.0	12.4	15.1	14.4	14.0	80	64	90	7.8	9.0	3.9	—	—	—	—	—	—	—	—	—	—	—	—	
24	17.4	24.3	20.4	20.4	26.3	17.2	16.2	14.2	14.4	13.4	14.0	55	64	76	7.8	9.4	1.1	—	—	—	—	—	—	—	—	—	—	—	—	
25	17.9	26.0	19.4	20.7	26.3	17.6	16.6	14.6	12.2	15.2	14.0	95	48	90	7.8	8.0	2.8	—	—	—	—	—	—	—	—	—	—	—	—	
26	18.0	20.0	20.2	21.4	16.2	17.4	16.2	14.7	13.5	15.1	14.4	95	50	85	7.7	6.0	6.6	—	—	—	—	—	—	—	—	—	—	—	—	
27	18.2	26.8	20.0	21.4	27.5	17.5	17.0	14.9	13.2	14.4	14.2	95	50	83	7.6	6.0	3.6	—	—	—	—	—	—	—	—	—	—	—	—	
28	19.0	25.0	18.6	20.0	27.3	16.3	16.0	13.6	15.1	15.1	14.7	88	64	95	8.2	6.0	4.8	—	—	—	—	—	—	—	—	—	—	—	—	
29	17.6	25.0	17.8	19.6	25.2	16.5	15.5	14.5	11.4	14.6	13.5	96	48	95	8.0	8.0	3.4	—	—	—	—	—	—	—	—	—	—	—	—	
30	17.2	26.2	18.4	20.0	27.0	14.6	13.3	13.2	12.8	15.1	13.7	90	50	95	7.8	7.0	6.2	—	—	—	—	—	—	—	—	—	—	—	—	
31																														
Med	16.9	25.9	18.8	20.1	27.0	15.8	14.8	12.9	12.2	13.5	12.8	89	50	82	7.4	6.5	4.8	—	—	—	—	—	—	—	—	—	—	—	—	

Precipitación total = 281.7 mm.

DATOS DIARIOS

Estación Llanadão Mes Octubre Año 1969 $\phi = 5^{\circ} 13' N$ $\lambda = 75^{\circ} 09' WGR$ Altura 1.470 M.

Días	TEMPERATURA °C						TENSION DEL VAPOR mm						Humedad Relativa %			Nubosidad DECIMOS		Brillo Solar Horas		PRECIPITACION mm			EVAPORACION mm			VIENTOS						
	Med.		Máx.		Mín.		Mínima Suolo		7		14		20		7		14		20		7		14		20		7		14		20	
	7	14	20	Med.	20	14	7	14	20	Med.	14	20	Med.	7	14	20	Total	7	14	20	Total	7	14	20	DIRECCION FUERZA	7	14	20	DIRECCION FUERZA	7	14	20	DIRECCION FUERZA
1	17.2	22.2	17.6	18.6	25.0	16.0	15.5	14.2	15.1	14.9	14.7	97	75	99	80	1.1	1.1	2.2	10.2	12.8	0.4	0.0	0.08	1.00	0	0	0	0.8	1.00	0	0	
2	17.0	22.6	18.4	19.1	25.0	15.0	14.0	11.8	12.1	15.1	13.7	95	60	95	83	4.7	4.2	0.4	—	—	—	—	—	—	0.6	1.08	1.06	2	0.6	2		
3	16.0	24.0	18.0	19.4	26.0	14.4	13.6	11.6	12.4	13.8	12.6	85	56	90	77	6.0	4.7	—	—	—	—	—	—	—	0.6	1.06	2.08	2	0.6	2		
4	17.1	19.0	16.1	17.1	20.3	15.2	14.1	14.0	14.8	13.0	13.9	96	90	95	84	10.0	—	2.9	3.0	3.7	11.0	1.3	0.6	2.08	1.06	1	0.6	1	0.6	1		
5	16.4	20.0	17.0	17.6	21.0	14.7	14.0	12.6	13.4	13.4	13.1	96	76	92	84	10.0	—	6.3	0.7	—	—	—	—	—	0.6	1.00	0.06	1	0.6	2		
6	16.0	23.2	17.0	18.3	24.0	14.4	13.0	12.0	11.8	13.7	12.5	88	55	94	79	8.0	2.5	—	—	—	—	—	—	—	0.6	1.00	0.06	1	0.6	2		
7	17.0	22.4	17.0	18.4	23.5	16.3	15.0	14.0	10.5	13.8	12.6	96	51	95	81	8.1	1.9	0.4	—	—	—	—	—	—	0.6	2.06	1.08	2	0.6	2		
8	16.0	22.0	18.0	18.5	23.0	15.6	14.6	13.1	11.9	13.8	12.9	96	60	90	82	9.0	1.7	1.5	—	—	—	—	—	—	0.6	0.06	1.08	2	0.6	2		
9	15.0	22.0	15.0	16.8	22.2	14.3	13.4	12.8	12.8	12.1	12.6	100	65	95	87	10.0	0.5	13.6	0.5	5.0	5.6	0.6	0.0	0.06	2.08	1	0.6	2	0.8	1		
10	16.0	24.0	17.4	18.7	25.0	13.5	12.0	13.7	13.5	13.9	13.7	100	60	93	84	6.7	2.7	0.1	—	—	—	—	—	—	0.0	0.00	0.16	2	0.6	2		
11	16.2	24.2	17.0	18.1	26.0	15.0	14.1	12.4	15.7	13.8	14.0	90	78	95	88	5.0	3.2	5.1	—	—	—	—	—	—	0.6	2.06	1.06	1	0.6	1		
12	16.0	23.0	18.1	18.8	25.0	14.0	13.1	13.1	14.0	14.7	13.9	96	66	95	86	6.0	5.9	0.2	—	—	—	—	—	—	0.6	2.06	1.06	1	0.6	1		
13	17.2	21.0	17.0	18.0	22.5	15.5	14.0	14.4	16.7	13.5	14.9	98	80	91	94	8.0	1.0	—	—	—	—	—	—	—	0.6	1.06	1.06	1	0.6	1		
14	16.0	22.4	18.0	18.6	24.5	14.0	13.0	13.0	12.4	14.9	13.4	95	61	96	84	7.0	3.3	14.5	1.9	3.8	5.7	0.8	0.6	1.06	1.06	1	0.6	1	0.6	1		
15	16.0	20.4	15.4	16.8	20.5	15.4	14.6	12.4	14.5	12.0	13.0	91	80	93	88	9.0	—	—	0.1	1.2	11.7	1.3	0.8	2.06	1.06	1	0.6	1	0.6	1		
16	17.0	21.0	17.4	18.2	22.0	15.4	14.0	12.7	13.4	14.2	13.4	68	72	96	85	6.7	1.3	10.4	11.5	4.2	17.4	1.7	0.0	0.06	2.06	1	0.6	2	0.6	1		
17	16.0	25.0	18.6	19.6	26.6	14.0	12.6	12.4	14.2	14.8	13.8	91	60	93	81	5.3	6.9	1.7	0.6	—	—	—	—	—	0.6	1.06	1.06	2	0.6	1		
18	17.0	24.4	17.0	18.8	25.9	15.6	14.5	13.8	13.7	13.8	13.8	95	60	95	83	6.0	4.8	—	—	—	—	—	—	—	0.6	1.06	1.06	2	0.6	2		
19	15.0	26.0	18.8	19.6	25.0	14.0	13.1	10.2	11.3	12.0	11.2	80	45	74	66	5.0	6.5	1.2	0.5	—	—	—	—	—	0.6	1.06	1.06	1	0.6	1		
20	16.3	25.4	18.6	19.7	27.0	14.8	14.0	11.6	14.2	12.1	12.7	85	58	75	73	6.7	5.6	—	—	—	—	—	—	—	0.6	0.06	2.06	1	0.6	1		
21	17.0	25.4	18.4	19.8	27.0	16.0	15.3	12.3	14.2	15.3	13.9	85	58	96	80	6.3	4.7	—	—	—	—	—	—	—	0.6	0.00	0.06	2.06	1	0.6	1	
22	17.0	19.9	17.1	17.8	22.4	16.0	15.4	13.8	15.9	13.1	14.1	95	82	90	82	10.0	0.2	—	—	—	—	—	—	—	0.6	0.06	2.06	1	0.6	2		
23	16.0	21.0	18.0	18.2	26.0	14.8	14.0	10.8	15.6	13.6	13.3	90	84	98	84	9.0	1.6	6.6	1.5	—	—	—	—	—	0.6	1.06	2.06	1	0.6	2		
24	16.0	22.0	18.0	18.5	23.5	15.6	14.3	13.1	13.8	14.0	13.6	96	70	91	86	8.0	0.4	—	—	—	—	—	—	—	0.6	1.06	1.06	2	0.6	2		
25	16.4	22.0	17.6	18.4	23.3	15.4	14.2	11.7	12.3	14.4	12.8	84	62	95	80	6.7	0.4	17.9	0.5	0.3	0.8	1.8	0.6	1.06	1.06	1	0.6	2	0.6	1		
26	16.0	24.8	19.0	19.7	26.0	15.0	14.0	12.4	14.0	15.1	13.8	90	86	92	81	6.0	1.3	—	—	—	—	—	—	—	0.6	1.06	2.06	1	0.6	2		
27	16.0	19.0	17.1	17.8	20.0	16.6	16.0	14.7	13.2	13.8	13.9	95	80	95	90	10.0	—	—	—	—	—	—	—	—	0.6	1.06	2.06	1	0.6	2		
28	16.0	22.0	17.0	18.2	24.6	14.4	13.6	11.6	12.3	13.8	12.6	85	60	95	84	6.0	0.7	2.4	0.2	—	—	—	—	—	0.6	1.06	1.06	1	0.6	1		
29	16.0	24.1	18.1	19.1	26.6	14.0	13.0	12.3	13.3	14.7	13.4	80	68	95	82	6.0	2.2	—	—	—	—	—	—	—	0.6	1.06	2.06	1	0.6	2		
30	19.0	24.9	18.6	20.3	26.5	15.8	15.0	13.2	11.2	12.9	12.4	80	48	80	69	1.7	1.5	—	—	—	—	—	—	—	0.6	1.06	2.06	1	0.6	2		
31	18.4	26.8	19.7	21.2	27.0	15.8	15.0	12.8	13.7	16.7	16.4	80	52	96	76	10.0	—	—	—	—	—	—	—	—	0.6	1.06	2.06	1	0.6	2		
Med.	16.5	22.7	17.6	18.6	24.3	15.0	14.1	12.8	13.5	13.9	13.4	91	66	92	83	7.6	2.3	4.4	0.7	3.1	8.9	1.3	—	—	—	—	—	—	—	—		

DATOS DIARIOS

Estación L. I. S. S. A. S. S. Mes Noviembre Año 1969 ϕ - 5° 13' N λ - 75° 09' W OR Altura 1.457,0 M.

Días	TEMPERATURAS							TENSION DEL VAPOR					Humedad Relativa				NUBESIDAD DESMOS	Brillo Solar Horas	PRECIPITACION m m			EVAPORACION m m			VIENTOS								
	Med.		Máx.		Mín.		Mínima Suelo		Med.		Med.		Med.		Med.				7		14		20		7		14		20				
	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	7			14	20	DIREC CION	FUEZA Km./Hora	DIREC CION	FUEZA Km./Hora	DIREC CION	FUEZA Km./Hora	DIREC CION	FUEZA Km./Hora					
1	15.9	27.0	18.0	19.7	27.4	15.8	15.0	12.8	12.2	14.7	13.2	95	45	95	78	4.7	5.5	24.3	—	0.6	23.1	—	0.6	23.1	00	0	06	1	06	1			
2	16.0	26.6	17.8	20.0	27.5	16.8	16.0	12.4	13.0	14.7	13.4	80	50	96	75	6.0	4.0	22.5	25.8	—	25.8	—	—	25.8	1.7	00	0	06	1	06	1		
3	17.6	25.0	19.0	20.2	28.0	15.1	14.0	12.1	11.9	15.7	13.2	80	50	95	75	4.7	7.9	—	—	—	—	—	—	—	1.4	00	0	06	1	06	1		
4	17.2	26.4	19.6	20.7	27.5	15.0	14.1	12.4	13.0	15.5	13.6	83	50	91	75	5.7	7.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
5	17.0	22.2	18.4	19.0	24.5	15.7	15.0	13.4	15.4	14.5	14.4	88	82	92	87	8.7	2.6	5.0	5.9	1.7	9.7	—	—	—	2.1	02	1	06	1	06	2		
6	17.0	21.8	18.8	18.8	22.5	16.0	15.0	14.0	11.9	14.9	13.6	96	60	96	84	8.0	3.8	2.3	6.5	2.8	14.8	—	—	—	0.8	06	1	06	1	06	2		
7	17.0	23.0	17.6	18.8	26.8	16.4	15.1	13.8	13.2	14.0	13.7	95	63	93	84	6.0	4.0	11.5	—	12.5	20.3	—	—	—	1.0	06	1	06	1	06	2		
8	17.0	22.0	18.0	18.4	27.4	16.6	16.0	13.8	15.0	14.7	14.5	95	83	95	91	6.7	2.8	7.8	—	0.3	0.4	—	—	—	2.0	06	1	00	0	06	2		
9	19.8	22.0	19.0	19.8	27.8	16.8	16.0	14.2	13.8	15.7	14.5	86	70	95	84	6.0	3.9	—	—	1.9	2.2	30.0	—	—	2.1	00	0	08	1	08	2		
10	18.0	20.0	17.0	18.0	24.0	17.0	16.0	14.6	14.4	14.0	14.3	94	83	96	91	8.7	2.3	25.9	0.2	—	—	—	—	—	0.7	16	1	06	1	06	2		
11	17.0	25.4	18.6	19.3	26.0	15.4	14.0	14.0	16.0	15.5	15.2	96	63	96	85	8.0	6.2	5.3	—	—	—	—	—	—	—	1.1	00	0	06	1	06	2	
12	16.0	22.0	18.0	18.5	25.3	14.8	14.0	10.8	12.1	14.9	12.5	80	61	95	79	8.7	2.9	17.8	—	—	—	—	—	—	—	1.2	06	1	00	0	06	1	
13	17.8	24.0	17.6	19.2	26.5	16.0	15.0	12.4	13.6	12.4	12.8	82	61	82	75	7.0	6.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
14	16.0	26.0	19.0	20.0	24.6	14.5	13.6	11.4	11.6	15.7	12.9	83	46	95	75	5.0	8.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
15	17.0	26.2	18.0	19.8	26.5	15.8	14.4	14.1	10.2	14.5	12.9	97	40	93	77	7.0	3.3	20.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
16	16.0	25.0	18.6	19.6	26.2	14.9	14.0	13.0	11.9	14.8	13.2	95	50	93	79	5.0	4.8	8.0	5.6	—	—	—	—	—	—	—	—	—	—	—	—	—	
17	16.2	25.0	17.8	19.2	26.0	15.2	14.0	12.3	13.4	14.7	13.5	96	56	96	83	8.0	2.6	6.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
18	17.4	21.0	18.1	18.6	21.4	16.5	16.0	15.0	13.1	14.7	14.3	100	71	95	89	10.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
19	17.4	21.6	17.8	18.6	25.4	16.1	15.0	13.8	13.4	14.7	14.0	93	70	96	86	9.3	0.2	6.8	0.2	7.3	7.5	—	—	—	—	—	—	—	—	—	—	—	
20	17.4	21.8	17.3	18.8	22.3	15.5	14.0	14.0	14.6	14.7	14.4	94	74	96	88	9.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
21	17.2	22.0	17.0	18.3	24.4	15.0	14.0	14.0	14.8	14.0	14.3	95	74	96	88	8.0	1.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
22	17.0	21.0	18.0	18.5	23.0	15.5	14.0	13.1	13.5	13.8	12.8	90	62	90	81	8.0	0.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
23	16.8	24.4	18.4	19.5	25.6	16.0	15.5	13.6	13.7	15.0	14.1	95	60	94	83	9.3	3.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
24	16.8	21.2	17.1	18.0	24.0	15.7	15.0	13.5	13.7	13.1	13.0	94	66	90	83	10.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
25	17.0	23.1	17.6	18.9	24.5	15.0	14.0	13.2	15.0	14.5	14.2	91	70	96	86	6.0	2.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
26	16.4	23.4	18.2	19.0	25.0	14.5	14.0	12.6	12.9	14.3	13.3	90	60	92	81	6.0	2.6	1.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
27	17.0	24.0	19.1	19.8	26.4	14.8	14.0	13.1	11.2	15.5	13.3	90	50	94	78	5.0	3.2	0.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
28	18.0	22.8	19.0	19.7	27.0	16.3	15.1	13.8	15.4	15.1	14.8	90	74	92	85	5.3	5.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
29	17.5	23.6	19.0	19.6	28.8	16.2	15.0	14.4	10.6	15.7	13.6	96	50	95	80	8.0	2.9	11.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
30	16.8	24.0	19.0	19.7	25.0	15.0	14.1	12.9	13.5	15.7	14.0	90	60	95	82	10.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
31																																	
Med	17.1	23.4	18.2	19.2	25.6	15.7	14.7	13.3	13.2	14.7	13.7	91	62	94	82	7.4	3.2	6.3	1.4	2.4	9.3	1.4	—	—	—	—	—	—	—	—	—	—	

Precipitación total : 278.4 m.m.

DATOS DIARIOS

Estación Llanadoc

Mes Diciembre

Año 19 69

$\phi = 5^{\circ} 13' N$ $\lambda = 75^{\circ} 09' WGR$

Altura 1.470 M.

Días	TEMPERATURAS						TENSION DEL VAPOR			Humedad Relativa %			NUBESIDAD DESMOS	Brillo Solar Horas	PRECIPITACION m m			E VAPORACION m m			VIENTOS													
	Med.		Máx.		Mín.		Med.		Med.		Med.				7	14	20	Total	7	14	20	7		14		20								
	7	14	20	7	14	20	7	14	20	7	14	20										DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA			
1	18.0	24.0	19.0	20.0	25.0	16.0	13.8	14.9	14.9	14.5	90	66	91	82	9.3	1.8	0.4	—	—	—	3.4	0.6	1	06	1	06	1	06	2	00	0			
2	17.6	24.9	19.6	20.4	25.5	16.0	15.1	12.1	16.6	16.3	15.0	80	70	95	82	8.7	2.1	3.4	—	—	—	7.6	1.2	06	1	08	1	08	2	00	0			
3	16.6	23.2	18.4	19.2	25.0	16.0	15.1	12.8	13.6	15.3	13.8	90	64	96	83	10.0	0.6	7.6	—	—	—	19.4	1.2	06	1	08	1	08	2	00	0			
4	18.0	24.0	19.6	20.3	25.4	16.8	16.0	13.4	13.5	16.3	14.4	86	60	95	86	6.0	3.1	—	—	—	—	19.4	1.1	00	0	06	1	08	2	00	0			
5	16.0	22.0	18.0	20.5	24.0	15.8	15.0	13.1	12.3	14.3	13.2	96	62	92	83	7.7	1.0	19.3	—	—	—	—	1.3	1.5	00	0	08	2	00	0	0			
6	17.0	22.0	18.2	18.8	23.3	15.6	14.7	13.8	12.1	15.1	13.7	95	61	96	84	6.7	3.0	1.3	—	—	—	—	1.1	1.0	00	0	02	2	00	0	0			
7	17.0	24.6	19.0	19.9	26.0	15.9	15.0	14.0	12.3	15.2	13.8	96	52	93	80	7.0	2.6	1.1	0.5	2.4	—	—	5.6	1.0	00	0	06	1	00	0	0			
8	15.1	23.0	19.0	19.0	24.0	14.6	13.7	11.5	12.6	15.7	13.3	90	60	95	82	6.7	3.1	2.7	—	—	—	—	1.5	1.6	00	0	06	1	00	0	0			
9	17.9	23.6	18.0	19.9	27.1	17.4	16.3	14.7	12.9	14.9	14.2	95	52	96	81	6.0	2.5	1.5	—	—	—	—	—	2.2	00	0	02	1	02	1	00	0		
10	20.0	27.4	19.6	21.6	28.5	17.3	16.0	15.0	13.3	16.8	15.0	86	48	98	77	6.0	6.4	—	—	—	—	—	—	5.3	1.5	08	1	06	2	00	0	0		
11	19.0	25.9	21.0	21.7	28.3	17.4	16.2	14.8	14.0	17.1	15.5	90	56	95	80	8.0	2.8	—	—	—	—	—	—	0.1	5.6	1.0	06	1	06	2	06	1	00	0
12	19.0	25.0	19.6	20.8	25.4	18.1	17.0	15.7	14.2	16.3	15.4	95	60	95	83	8.7	2.9	5.5	—	—	—	—	—	0.7	19.5	2.0	00	0	08	1	00	0	0	
13	18.0	25.0	19.4	20.4	27.0	16.6	15.0	14.7	13.4	15.3	14.5	95	56	91	6.7	3.1	18.8	—	—	—	—	—	—	—	2.3	2.2	06	2	00	0	00	0	0	
14	18.0	25.0	19.0	20.2	27.5	16.8	16.0	13.8	13.2	12.9	12.6	90	45	78	71	9.1	1.7	2.3	—	—	—	—	—	—	0.6	2.2	00	0	06	2	00	0	0	
15	17.8	24.8	19.0	20.2	25.5	17.5	16.6	15.4	14.0	12.5	14.0	100	60	76	79	6.0	4.9	0.6	—	—	—	—	—	—	2.5	08	1	06	2	00	0	0		
16	16.4	25.6	16.0	19.5	27.0	16.0	15.1	12.6	14.7	13.8	13.7	90	60	90	80	7.0	3.1	—	—	—	—	—	—	—	22.1	2.4	06	2	06	1	00	0	0	
17	17.0	25.5	19.0	20.1	27.0	16.0	15.4	13.2	13.6	14.6	13.9	91	55	90	79	6.0	5.6	23.1	—	—	—	—	—	—	9.0	1.4	00	0	06	1	00	0	0	
18	17.0	26.0	20.0	20.8	27.0	16.4	15.3	13.8	14.1	14.1	14.0	95	56	90	77	6.7	4.7	9.0	—	—	—	—	—	—	7.0	3.2	06	1	06	1	00	0	0	
19	17.0	26.0	19.8	20.6	27.5	16.8	16.0	12.7	14.7	16.7	14.7	88	58	96	81	5.3	5.4	1.0	—	—	—	—	—	—	2.0	08	1	06	1	00	0	0		
20	17.4	24.0	20.0	20.4	27.0	16.9	16.0	12.8	12.4	16.9	14.0	86	55	96	79	8.0	3.1	—	—	—	—	—	—	—	—	3.5	08	1	06	1	06	2	00	0
21	17.6	27.0	19.0	20.6	28.4	16.4	15.1	14.4	12.5	14.8	13.9	95	46	90	77	8.0	2.6	—	—	—	—	—	—	—	1.7	2.0	00	0	06	2	00	0	0	
22	17.2	22.6	18.5	19.2	25.5	16.0	15.1	13.9	10.4	14.7	13.0	94	50	93	79	6.7	5.6	1.7	—	—	—	—	—	—	—	1.4	2.4	00	0	06	1	00	0	0
23	17.0	24.6	19.0	19.9	26.0	15.4	14.6	13.4	10.4	15.7	14.5	92	62	95	83	7.3	3.1	3.4	—	—	—	—	—	—	—	1.6	00	0	06	1	00	0	0	
24	16.8	25.4	20.0	20.6	28.0	16.1	15.2	12.0	12.6	15.9	13.4	84	51	91	75	6.7	6.3	—	—	—	—	—	—	—	—	2.7	00	0	06	1	00	0	0	
25	17.0	26.4	19.9	20.8	27.3	16.4	15.3	12.5	13.0	12.0	12.5	86	50	70	69	8.7	3.3	—	—	—	—	—	—	—	—	2.0	00	0	06	1	00	0	0	
26	17.6	25.6	20.0	20.8	28.4	16.8	16.6	14.5	11.8	15.0	13.8	96	48	86	77	6.7	3.1	—	—	—	—	—	—	—	—	2.2	06	1	00	0	06	1	00	0
27	16.6	26.6	19.0	20.3	27.6	15.6	14.6	14.6	12.7	15.9	13.5	90	56	96	79	10.0	—	—	—	—	—	—	—	—	—	1.8	06	1	00	0	00	0	0	
28	16.0	25.0	19.4	20.0	27.5	15.6	15.0	10.8	11.9	16.3	13.0	80	50	96	75	8.0	1.6	—	—	—	—	—	—	—	—	1.5	06	1	00	0	00	0	0	
29	18.0	26.0	18.0	20.0	27.5	17.4	16.3	14.7	14.9	14.6	14.7	95	60	94	83	9.3	1.3	—	—	—	—	—	—	—	—	1.5	2.1	00	0	00	0	06	0	0
30	16.0	25.0	19.4	20.0	25.6	15.0	14.3	11.2	11.9	14.7	12.6	82	90	88	73	7.3	3.1	1.4	—	—	—	—	—	—	—	1.2	1.9	00	0	00	0	00	0	0
31	16.5	25.0	19.5	20.1	25.2	14.8	14.0	12.8	14.2	14.4	13.8	91	60	85	79	6.7	3.1	1.2	—	—	—	—	—	—	—	2.0	06	2	06	1	00	0	0	
Med.	17.3	24.9	19.2	20.1	26.4	16.3	15.4	13.1	12.9	14.8	13.6	91	56	91	79	7.5	3.1	3.7	—	—	—	—	—	—	—	0.1	3.8	1.8	—	—	—	—	—	—

Precipitación total : 117.1 m.m.

RESUMEN MENSUAL Y ANUAL

AÑO: 1969

ESTACION: Llanadas

M E S	PRESION ATMOSFERICA SOBRE 800 MM. HG.			TEMPERATURA OC			TEMPERATURAS EXTREMAS OC			HUMEDAD RELATIVA %			TENSION DEL VAPOR DEL VAPOR MM. HG.			PRECIPITACION											
	MAXIMA	MEDIA	MINIMA	MAXIMA	MEDIA	MINIMA	MAXIMA	MEDIA	MINIMA	MAXIMA	MEDIA	MINIMA	ABSOLUTA	ABSOLUTA	ABSOLUTA	ABSOLUTA	ABSOLUTA	ABSOLUTA	PRECIPITACION								
																			7	14	20	SUMA	7	14	20		
ENERO				25.2	15.4	7	13.6	7	83	57	88	76	40	18.4	8.2	12.6	6.6	4.2	1.7	57.7	22.0	24.3	104.0	19	21.4	23	
FEBRERO				25.9	16.1	29.0	14.6	V (15.2)	91	50	92	80	40	17.2	10.0	14.0	6.6	4.7	1.5	94.7	3.0	3.6	101.3	14	29.3	23	
MARZO				26.8	16.6	30.0	6	15.6	87	56	88	77	22	17.1	8.0	13.9	6.3	4.6	1.5	109.9	35.8	7.9	153.6	20	42.2	21	
ABRIL				25.6	15.7	28.5	1	14.0	30	14.8	91	59	95	82	16.9	6.9	13.9	7.7	3.1	1.0	185.4	64.9	106.2	362.5	25	49.3	22
MAYO				27.0	16.4	30.0	22	14.0	13	15.4	92	59	93	81	18.2	12.2	14.7	7.7	4.4	1.2	201.6	28.8	37.5	284.0	21	50.2	17
JUNIO				27.5	16.3	30.0	10	13.6	8	15.4	91	55	90	78	18.0	9.4	14.4	6.6	3.9	1.3	187.7	32.8	16.8	215.2	19	70.5	9
JULIO				28.9	16.0	31.0	24	14.5	24	15.0	88	43	82	71	15.8	9.2	13.0	6.3	5.0	2.4	0.9	8.1	0.2	26.7	5	17.5	31
AGOSTO				27.3	16.1	30.0	2	14.4	12	15.1	93	50	89	77	16.4	10.2	13.7	6.6	4.6	1.9	181.7	30.7	14.5	196.4	15	38.2	21
SEPTIEMBRE				27.0	15.8	30.5	4	14.0	13	14.8	89	50	82	74	16.3	7.0	12.8	6.5	4.8	1.7	202.9	30.0	47.7	281.7	17	56.3	28
OCTUBRE				24.3	15.0	27.0	V	13.5	10	14.1	91	66	92	83	16.7	10.2	13.4	7.6	2.3	1.3	136.0	22.2	96.0	271.4	28	54.6	24
NOVIEMBRE				25.6	15.7	28.8	29	14.5	V	14.7	91	62	94	82	16.0	10.2	13.7	7.4	3.2	1.4	188.0	41.5	72.8	278.4	23	35.6	17
DECIEMBRE				26.4	16.3	28.5	10	14.6	8	15.4	91	56	91	79	17.7	10.4	13.6	7.5	3.1	1.8	113.6	0.7	3.2	117.1	19	22.1	16
MEDIA ANUAL				26.4	16.0	29.3	-	14.1	-	15.0	90	56	90	78	16.9	9.3	13.6	7.0	4.0	1.6	138.3	26.7	34.8	199.8	225	40.6	-

PRECIPITACION TOTAL: 2,398.3

PRECIPITACION MAXIMA: 70.5 - VI - 9

DIAS LLUVIOSOS: 225

FRECUENCIA DE PRECIPITACION Y TEMPERATURA

ESTACION: Llanetas

AÑO: 1.969

MESES	PRECIPITACION														TOTAL					TEMPERATURA										
	7 HORAS				14 HORAS				20 HORAS						TOTAL					Mínimo	Máximo	Mínimo	Máximo							
	Més de:		Més de:		Més de:		Més de:		Més de:		Més de:		Més de:		Més de:		Més de:		Més de:		Més de:		Més de:							
01	10	20.0	50.0	01	10	100	200	500	01	10	100	200	500	01	10	2.5	5.0	10.0	20.0	50.0	15°C	17°C	24°C	28°C	15°C	17°C	24°C	28°C		
ENERO	16	10	1	-	5	2	1	-	13	9	-	-	-	19	16	10	7	3	1	-	11	-	7	1	4	5	3	2		
FEBRERO	12	10	3	1	-	5	2	-	3	2	-	-	-	14	11	9	5	3	1	-	4	5	3	2	2	13	2	7		
MARZO	12	9	2	2	-	9	4	2	-	4	1	-	-	20	13	12	8	5	2	-	2	13	2	7	2	13	2	7		
ABRIL	20	13	5	4	-	13	7	2	-	15	11	5	1	-	25	21	18	13	8	-	10	3	6	2	2	10	3	6		
MAYO	15	10	7	4	1	8	4	1	-	8	7	1	-	-	21	16	14	13	11	5	1	3	12	3	14	2	3	12	3	
JUNIO	15	11	6	3	1	6	3	1	1	7	2	1	-	-	19	12	11	10	7	3	1	7	11	1	12	2	7	11	1	
JULIO	2	-	-	-	-	1	1	-	-	1	-	-	-	-	5	2	2	2	1	-	-	6	6	-	28	-	6	6	-	
AGOSTO	14	14	7	3	-	8	6	-	-	3	1	-	-	-	15	15	12	11	7	3	-	4	6	-	11	-	4	6	-	
SEPTBRE.	16	14	8	5	-	9	4	1	1	5	3	2	1	-	17	16	15	11	10	6	1	7	5	2	9	2	7	5	2	
OCTUBRE	18	14	4	2	-	13	6	1	-	15	13	4	1	-	28	22	19	16	10	4	1	16	-	3	-	1	16	-	3	
NOVBRE.	19	18	7	4	-	10	5	1	1	10	7	3	1	-	23	20	19	17	11	6	-	9	1	6	2	-	9	1	6	
DICBRE.	20	18	3	1	-	3	-	-	-	3	1	-	-	-	19	18	10	9	3	1	-	3	6	3	5	3	3	6	3	
SUMA ANUAL	179	141	53	29	2	90	43	10	3	-	87	57	16	4	-	225	182	151	128	84	40	4	82	68	36	93	4	82	68	36

FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.

MESES	PRECIPITACION MAS DE 0.1 MM.																								TOTAL	
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24		
ENERO	2	4	2	4	2	1	-	2	-	1	1	1	1	1	1	4	6	3	4	5	7	5	7	5	19	
FEBRERO	4	6	4	3	5	5	3	2	1	2	3	1	-	-	-	1	1	1	1	1	2	4	3	5	15	
MARZO	5	6	5	3	2	-	2	6	7	2	1	1	2	3	2	-	1	1	-	1	2	4	5	20	5	
ABRIL	7	9	6	7	6	5	5	6	6	3	3	5	7	5	8	8	6	4	8	8	9	11	11	27	27	
MAYO	7	8	10	7	4	3	4	4	3	4	3	1	-	4	4	4	4	3	4	3	3	3	5	23	23	
JUNIO	5	5	7	6	8	8	4	2	-	1	3	3	2	3	1	1	-	2	4	3	4	4	5	20	20	
JULIO	-	-	-	2	1	-	-	-	-	1	1	-	-	-	-	-	1	-	-	-	-	1	1	4	4	
AGOSTO	8	7	4	1	3	7	6	5	5	2	2	-	1	1	-	1	-	1	2	-	2	4	4	18	18	
SEPTBRE.	8	8	8	9	10	7	5	7	5	2	2	2	1	2	3	-	-	1	3	4	5	6	5	7	18	18
OCTUBRE	9	8	10	6	6	7	8	7	5	2	2	4	5	6	6	6	6	8	8	8	8	9	9	8	26	26
NOVBRE.	6	9	11	9	9	6	3	3	3	2	1	1	3	5	5	4	2	3	4	6	7	6	8	7	22	22
DICBRE.	9	10	3	9	4	2	3	1	-	-	-	2	-	-	-	-	-	-	-	-	3	7	1	8	21	21
SUMA ANUAL	70	80	70	66	60	51	43	45	36	21	19	21	23	29	33	31	25	25	37	45	54	62	66	74	233	233

FRECUENCIAS DE: NUBOSIDAD - BRILLO SOLAR - VIENTOS

ESTACION: Llanadas

AÑO: 1.969

MESES	NUBOSIDAD en DECIMOS		BRILLO SOLAR HORAS		Número de días con: VIENTOS																										
	Misma de 30		Misma de 00		7 HORAS							14 HORAS							20 HORAS												
	Más de 30	Menos de 30	Más de 00	Menos de 00	N	N	E	E	S	S	W	W	N	N	W	W	C	N	N	E	E	S	S	W	W	N	N	W	W	C	
ENERO	1	8	6	-	1	1	9	5	3	2	1	9	1	-	15	1	4	2	-	8	1	-	20	4	-	-	-	6			
FEBRERO	1	6	-	1	1	1	9	2	2	1	-	12	5	-	10	2	2	1	-	8	5	-	2	10	3	3	1	-	4		
MARZO	-	7	-	4	1	1	2	6	6	4	1	1	10	1	-	1	14	5	4	-	1	5	1	-	14	2	1	-	12		
ABRIL	-	14	-	10	1	1	1	10	4	-	2	12	1	-	15	4	5	-	1	4	1	-	1	10	6	2	-	2	8		
MAYO	-	16	-	5	3	1	8	7	1	-	-	11	-	-	19	4	4	-	-	4	1	-	-	13	3	-	1	2	11		
JUNIO	-	7	-	2	1	1	1	7	10	1	-	1	8	-	1	-	18	6	-	-	5	-	-	9	4	2	1	1	13		
JULIO	2	7	-	4	2	1	1	6	10	2	1	-	8	2	1	1	12	5	-	3	-	-	1	7	6	6	1	1	8		
AGOSTO	1	7	-	2	1	1	1	9	8	2	1	1	7	1	-	1	18	1	-	1	1	1	1	6	3	-	1	3	16		
SEPTIEMBRE	-	9	-	5	2	-	2	10	7	1	-	-	8	-	-	2	17	5	-	1	-	5	4	-	6	8	2	-	1	9	
OCTUBRE	-	16	-	9	1	3	-	11	3	-	-	-	13	-	-	-	22	6	-	-	3	1	3	-	11	3	-	-	13		
NOVIEMBRE	-	16	-	6	7	1	-	13	-	-	-	-	9	-	-	22	1	-	-	7	5	-	-	18	3	-	-	4			
DICIEMBRE	-	12	3	-	-	-	-	11	4	-	-	-	16	-	-	2	-	20	3	-	-	6	1	-	4	3	-	-	23		
SUMA ANUAL	5	125	9	48	20	9	30	109	66	36	6	6	123	11	4	5	202	43	19	8	3	70	22	3	5	188	48	16	5	11	127

Frecuencia Horaria del Brillo Solar

MESES	Frecuencia a Pleno Sol														Frecuencia sin Sol													
	6-7	7-8	8-9	8-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	6-7	7-8	8-9	8-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18				
ENERO	-	5	10	12	14	8	6	5	4	-	-	-	-	-	28	13	8	6	6	5	9	7	11	16	31	31		
FEBRERO	-	1	7	9	12	7	11	10	6	1	-	-	-	-	26	12	7	9	7	2	2	6	5	6	24	28		
MARZO	-	-	11	10	12	10	9	12	10	5	-	-	-	-	31	20	11	6	4	2	4	6	7	16	21	31		
ABRIL	-	-	6	9	6	6	4	6	4	1	-	-	-	-	30	22	13	11	10	9	10	10	13	17	27	30		
MAYO	-	-	11	9	9	5	6	7	9	5	-	-	-	-	31	16	13	8	9	8	6	5	5	8	19	31		
JUNIO	-	-	7	8	12	9	4	6	6	1	-	-	-	-	28	18	13	3	6	6	14	8	6	8	30	30		
JULIO	-	-	12	17	17	13	5	10	11	7	-	-	-	-	31	15	6	4	6	6	11	5	5	5	20	31		
AGOSTO	-	1	7	13	14	14	11	7	8	4	-	-	-	-	31	20	8	6	4	4	4	6	9	11	20	31		
SEPTIEMBRE	-	-	7	11	13	13	12	17	14	7	-	-	-	-	30	20	14	8	5	6	5	5	4	8	18	30		
OCTUBRE	-	-	-	4	7	6	4	2	2	1	-	-	-	-	31	28	19	16	15	17	12	11	15	19	27	31		
NOVIEMBRE	-	1	4	7	6	4	5	7	4	1	-	-	-	-	30	18	11	9	10	11	10	12	13	13	26	30		
DICIEMBRE	-	-	-	2	6	7	6	5	3	-	-	-	-	-	31	31	13	6	7	6	5	4	4	10	29	31		
SUMA ANUAL	-	4	82	111	126	102	81	94	81	33	-	-	-	-	358	233	136	92	85	82	92	85	97	137	292	365		

RESUMEN DE ALGUNAS CARACTERISTICAS DE LA PRECIPITACION

Estación: Llanadas

Año 1.969

MESES	TOTAL			No. PRECIPITACIONES		CANTIDAD		DURACION			PRECIPITACION MAXIMA					DURACION MAXIMA				
	m. m.	Días	Días	Día	Noche	Total	Noche	Día	Noche	Total	m. m.	Durac.	Int. Med.	Int. Max. 6/m.	Int. Max. 1/m.	ht. mín.	m. m.	Int. Med.	Int. Max. 5 min.	Int. Max. 1 min. (est.)
Enero	104.0	19	22	19	41	60.1	23:45'	18:40'	23:45'	42:25'	18.9	1:00'	0.19	5.0	1.0	2:50'	1.7	0.01	0.3	0.1
Febrero	101.3	14	10	20	30	94.7	27:55'	6:10'	27:55'	34:05'	22.8	2:10'	0.18	6.0	3.2	7:10'	18.2	0.04	0.7	0.1
Marzo	153.6	20	15	20	35	43.7	22:25'	16:20'	22:25'	38:45'	42.2	4:30'	0.16	8.5	4.7	4:55'	12.6	0.04	1.1	0.2
Abril	362.5	25	36	42	78	169.4	67:05'	53:30'	67:05'	120:35'	47.6	9:55'	0.08	6.0	1.2	9:55'	47.6	0.08	6.0	1.2
Mayo	284.0	21	20	21	41	66.1	53:30'	26:40'	53:30'	80:10'	52.1	12:15'	0.07	1.2	0.2	12:105'	52.1	0.07	1.2	0.2
Junio	215.2	19	13	24	37	49.2	38:35'	12:35'	38:35'	51:10'	70.5	7:10'	0.16	5.0	1.0	7:25'	18.0	0.04	1.6	0.3
Julio	26.7	5	2	4	6	8.3	4:55'	1:10'	4:55'	6:05'	17.3	3:20'	0.09	4.0	0.8	3:20'	17.3	0.09	4.0	0.8
Agosto	196.4	15	13	23	36	32.2	38:35'	12:05'	38:35'	46:40'	29.8	9:25'	0.05	2.4	0.5	9:25'	29.8	0.05	2.4	0.5
Septbre.	281.7	17	20	28	48	77.8	61:20'	17:45'	61:20'	79:05'	55.9	8:55'	0.10	7.7	1.5	9:55'	11.8	0.02	0.4	0.1
Octbre.	277.4	28	41	39	80	117.8	65:45'	50:20'	65:45'	116:05'	52.2	6:50'	0.13	3.0	0.6	9:05'	21.8	0.04	1.0	0.2
Novbre.	278.4	23	24	33	57	114.1	59:35'	24:50'	59:35'	84:25'	33.6	2:45'	0.20	5.0	1.0	7:20'	18.9	0.04	0.9	0.2
Dicbre.	117.1	19	5	31	36	113.7	41:55'	2:15'	41:55'	44:10'	22.1	3:10'	0.12	6.0	1.2	6:10'	19.3	0.03	1.1	0.2
TOTALES	2.396.3	225	221	304	525	732.5	501:20'	242:20'	501:20'	743:40'	465.0	71:15'	0.12	0.12	0.12	89:135'	269.1	0.03	0.03	0.03

DATOS DIARIOS

Estación Las Palomas Mes Enero Año 1969 $\phi = 5^{\circ} 08' N$ $\lambda = 75^{\circ} 28' WGR$ Altura 2,700 M.

Días	TEMPERATURAS					TENSION DEL VAPOR					Humedad Relativa %			NUBOSIDAD DECIMOS		Brillo Solar Horas		PRECIPITACION m m			VIENTOS							
	7	14	20	Med.	Max.	Min.	Minima Seche	7	14	20	Med.	7	14	20	Med.	7	14	20	7	14	20	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA	
1	10.6	14.6	11.3	12.0	16.4	10.0		8.2	11.2	9.6	9.7	85	90	96	80		0.3											
2	10.4	15.0	11.6	12.1	18.1	10.0		9.0	10.2	9.8	9.7	95	80	95	90		1.4											
3	9.8	15.6	12.1	12.4	18.0	9.1		8.6	9.6	10.0	9.4	95	73	95	88		5.4											
4	10.0	15.1	12.0	12.3	17.0	9.6		8.8	10.8	10.0	9.9	95	85	96	92		1.7											
5	10.0	16.0	13.3	13.1	20.0	9.7		8.8	8.7	10.6	9.4	95	65	94	85		4.2											
6	11.1	17.0	13.1	13.6	19.0	10.4		9.6	9.2	10.1	9.6	95	63	90	83		4.6											
7	11.1	18.4	12.8	13.8	19.6	10.7		9.6	10.3	9.5	9.8	95	65	86	82		6.9											
8	10.7	16.0	12.8	13.1	18.8	10.0		9.3	10.2	9.4	9.6	95	75	85	85		1.4											
9	11.0	16.8	13.7	13.8	18.0	10.7		8.9	10.5	10.2	9.9	90	73	86	83		3.3											
10	11.0	16.3	13.0	13.3	18.4	10.7		9.2	11.0	10.5	10.2	93	80	94	89		2.0											
11	11.1	15.0	12.6	12.8	16.2	10.4		9.6	11.0	10.1	10.4	95	86	96	92		0.8											
12	11.0	12.0	11.4	11.4	13.0	10.8		9.4	10.0	9.7	9.7	95	96	96	96													
13	10.0	15.8	12.1	12.5	16.8	9.6		8.5	9.8	9.4	9.2	93	73	90	85		1.3											
14	10.6	14.5	11.8	12.2	15.0	10.4		9.1	10.5	9.9	9.8	95	84	95	91													
15	10.5	12.0	10.3	10.8	12.2	10.3		9.1	10.0	8.9	9.3	95	95	95	95													
16	10.0	15.4	11.7	12.2	16.0	9.3		8.3	9.4	9.8	9.2	90	73	94	86		1.6											
17	10.0	17.0	12.8	13.2	18.8	9.6		8.8	7.9	10.4	9.0	95	55	94	81		2.4											
18	11.1	14.0	10.7	11.6	15.6	11.0		9.4	10.8	9.0	9.7	94	90	93	92		0.3											
19	10.6	13.9	11.7	12.0	15.4	10.3		8.7	8.9	9.9	9.2	90	75	95	87		0.3											
20	10.3	13.8	10.3	11.2	16.0	10.0		9.0	9.6	9.0	9.2	96	80	96	91		0.9											
21	10.0	13.1	11.8	11.7	16.3	9.6		8.0	10.1	9.4	9.5	98	90	94	94		1.2											
22	10.0	14.7	11.6	12.0	15.4	9.6		8.5	10.0	9.8	9.4	93	80	95	89		1.0											
23	10.4	13.6	11.1	11.5	14.3	10.0		9.0	10.5	9.6	9.7	95	90	96	94													
24	10.0	14.0	11.3	11.6	14.4	9.5		8.8	10.2	9.6	9.5	95	85	96	92		0.4											
25	9.8	15.0	12.8	12.6	16.0	9.6		8.4	10.2	10.4	9.7	95	80	94	90		0.8											
26	11.0	17.4	12.5	13.3	18.3	10.6		9.4	10.6	10.1	10.0	95	70	93	86		3.1											
27	9.8	14.6	12.1	12.2	15.7	9.6		8.7	10.4	10.1	9.7	97	84	94	92		0.8											
28	10.0	16.5	13.1	13.2	17.3	9.6		8.9	9.9	10.1	9.6	96	70	90	85		1.6											
29	11.3	15.6	13.0	13.2	17.4	11.0		9.6	10.6	9.9	10.0	95	80	88	88		2.4											
30	11.0	17.4	12.6	13.4	18.0	10.4		9.3	11.3	10.4	10.3	94	75	95	88		7.5											
31	10.1	18.6	13.0	13.7	20.2	10.0		9.1	9.7	4.6	7.8	97	60	45	67		5.2											
Med	10.5	15.3	12.1	12.5	16.2	10.1		9.0	10.1	9.7	9.6	94	78	92	88		1.9											

Precipitacion total : 192.1 m.m.

DATOS DIARIOS

Estación Las Palomas Mes Febrero Año 1969 $\phi = 5^{\circ} 08'N$ $\lambda = 75^{\circ} 28' WGR$ Altura 2.700 M.

Días	TEMPERATURAS						TENSION DEL VAPOR						Humedad Relativa %			Nubosidad deceros	Brillo Solar Horas	PRECIPITACION m m			VIENTOS						
	Med.		Máx.		Mínima		Med.		Máx.		Mínima		7	14	20			7	14	20	Total	7		14		20	
	7	14	20	7	14	20	7	14	20	7	14	20										DIREC. CION	FUERZA Km./Hora	DIREC. CION	FUERZA Km./Hora	DIREC. CION	FUERZA Km./Hora
1	10.0	17.9	13.2	13.6	19.4	9.1	8.3	8.4	10.0	6.9	90	55	88	78	1.5												
2	10.9	16.8	14.2	14.0	17.0	10.7	8.6	10.3	10.7	9.9	88	71	88	82	1.1												
3	11.4	17.9	14.0	14.3	18.3	11.0	9.7	10.1	10.8	10.2	96	66	90	84	2.1												
4	11.7	15.6	11.9	12.8	16.0	11.2	9.9	11.0	9.8	10.2	95	83	94	91	0.7												
5	10.7	13.1	11.4	11.6	16.0	10.4	9.0	10.5	9.1	9.5	93	94	90	92													
6	10.7	15.6	13.2	13.2	16.1	10.1	8.8	11.3	10.6	10.2	90	85	94	90	0.8												
7	11.2	16.3	13.3	13.7	16.8	10.5	9.3	11.0	11.2	10.5	93	80	95	89	2.0												
8	11.5	14.3	13.3	13.1	16.1	11.1	9.7	10.9	10.9	10.5	95	90	96	94	0.5												
9	11.0	15.0	12.4	12.7	16.5	10.4	9.4	10.6	10.2	10.1	95	84	94	91	0.8												
10	10.9	15.0	13.1	13.0	16.1	10.6	8.8	10.3	10.4	9.8	93	81	93	89	0.6												
11	11.0	16.8	14.4	14.2	18.2	10.4	9.0	10.0	11.0	10.0	91	70	90	84	3.0												
12	11.3	17.1	11.8	13.0	18.1	11.0	8.3	10.2	9.7	9.7	93	70	93	85	3.4												
13	9.8	17.0	13.1	13.2	18.8	9.4	8.3	10.7	9.2	9.4	93	73	82	83	4.0												
14	10.7	16.5	13.9	13.8	18.0	10.5	8.8	10.1	10.7	9.9	90	71	90	84	1.5												
15	10.5	16.6	13.6	13.6	18.0	10.0	8.8	10.8	11.2	10.3	93	76	96	88	3.5												
16	10.8	15.4	12.9	13.0	15.6	10.5	9.4	11.8	10.5	10.6	96	90	95	94	0.9												
17	10.0	15.0	12.8	12.6	17.0	9.5	8.8	10.6	10.4	9.9	95	83	94	91	1.2												
18	11.0	17.4	13.8	14.0	18.0	10.5	9.3	10.9	11.1	10.4	94	73	94	87	1.7												
19	12.1	15.6	13.8	13.8	17.0	12.0	10.2	11.0	10.2	10.5	96	83	86	88	0.9												
20	12.0	16.0	13.1	13.6	16.4	11.8	9.9	10.3	10.6	10.3	94	76	94	88	0.7												
21	11.0	17.9	14.0	14.2	20.0	10.5	9.2	9.1	10.8	9.7	93	60	90	81	5.7												
22	12.0	16.4	12.7	13.4	18.0	11.0	9.4	10.5	10.4	10.1	90	75	94	86	1.5												
23	11.0	15.4	14.0	13.6	16.8	10.9	9.2	10.9	10.8	10.3	93	83	93	89	0.5												
24	11.0	16.9	13.0	13.5	18.0	10.5	9.3	9.5	10.1	9.6	94	66	90	83	1.4												
25	10.5	16.9	13.4	13.6	18.0	9.5	9.0	8.8	10.8	9.5	94	61	96	83	4.3												
26	11.9	16.6	13.6	13.9	19.0	11.5	9.7	10.0	10.5	10.1	93	70	90	84	2.1												
27	12.1	15.9	13.8	13.9	17.6	11.6	10.2	9.8	10.4	10.1	95	73	88	85	2.0												
28	11.5	13.6	13.2	12.9	15.6	11.5	9.1	11.8	10.0	10.3	90	95	88	91	0.3												
29																											
30																											
31																											
Med	11.1	16.1	13.3	13.4	17.4	10.6	9.2	10.4	10.4	10.0	93	76	91	87	1.8												

Precipitación total : 61.8 m.m.

DATOS DIARIOS

Estación Las Palomas Mes: Marzo Año 1969 $\phi = 54^{\circ} 08' N$ $\lambda = 15^{\circ} 28' WGR$ Altura: 2.700 M.

Días	TEMPERATURAS $^{\circ}C$						TENSIÓN DEL VAPOR mm						Humedad Relativa %						NUBOSIDAD Horas	PRECIPITACION mm			EVAPORACION mm			VIENTOS					
	7	14	20	Med.	Máx.	Mín.	Mínima Suelo	7	14	20	Med.	7	14	20	Med.	7	14	20		Total	7	14	20	7	14	20	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA		
																														DIREC. FUERZA	DIREC. FUERZA
1	12.0	14.6	13.3	13.3	16.8	11.0		9.4	11.5	10.2	10.4	90	93	90	91	1.1															
2	12.0	12.8	11.8	12.0	14.7	11.8		9.4	10.2	9.7	9.8	90	93	94	92																
3	11.5	17.0	13.8	14.0	18.3	11.0		9.5	10.2	10.8	10.2	93	70	91	85	3.0															
4	11.8	14.7	12.4	12.8	15.0	11.0		9.9	11.3	9.8	10.3	95	90	91	92	0.1															
5	11.5	16.8	13.0	13.6	18.4	11.0		9.5	10.0	9.6	9.7	93	70	86	83	3.5															
6	11.5	17.8	13.8	14.2	19.1	11.0		9.5	9.9	9.1	9.5	93	66	83	79	4.5															
7	11.6	19.0	14.0	14.6	21.0	11.0		9.5	9.9	9.6	9.7	93	60	80	78	5.1															
8	11.7	17.6	14.0	14.4	18.0	11.0		9.4	10.1	10.2	9.9	91	66	85	81	1.6															
9	11.6	18.3	14.6	14.8	20.3	11.0		9.1	11.0	9.4	9.6	90	70	76	79	4.3															
10	12.5	17.6	15.3	15.2	20.0	12.0		10.1	10.6	12.0	10.9	93	70	93	85	3.3															
11	12.1	17.0	13.8	14.2	18.0	12.1		9.6	10.2	10.7	10.2	90	70	90	83																
12	11.8	15.6	12.1	12.9	16.4	11.6		9.3	10.5	9.4	9.7	90	80	90	87	0.3															
13	11.6	13.8	11.7	12.2	14.1	11.1		9.8	10.7	9.9	10.1	95	90	95	93																
14	10.7	14.4	12.4	12.5	16.6	10.0		9.1	10.5	9.7	9.8	95	86	90	90	1.1															
15	10.0	16.0	13.0	13.0	18.0	9.6		8.7	9.4	9.4	9.4	94	70	84	83	1.9															
16	10.1	18.1	14.0	14.0	19.4	9.5		8.6	10.2	8.1	9.0	93	65	68	75	2.5															
17	10.0	19.0	14.0	14.2	21.0	10.0		8.3	7.6	10.8	8.9	90	46	90	75	6.1															
18	11.0	15.0	12.0	12.5	15.6	10.6		8.9	10.2	9.6	9.6	90	80	91	87	0.3															
19	11.1	17.0	13.0	13.5	18.0	10.1		8.9	10.4	9.6	9.6	90	71	86	82	1.5															
20	11.8	15.8	12.3	13.0	18.3	11.0		8.5	10.7	9.9	9.7	92	80	93	88	1.2															
21	11.4	16.5	12.7	13.3	17.0	11.0		9.1	11.2	10.4	10.2	90	80	94	88	1.1															
22	11.4	18.0	14.1	14.4	18.5	11.0		9.6	9.3	10.6	9.9	95	60	90	82	1.5															
23	12.1	16.2	13.8	14.0	17.3	12.0		10.0	9.8	10.8	10.2	95	71	91	86	1.0															
24	12.0	16.1	13.1	13.6	18.2	11.0		9.8	10.8	10.1	10.2	93	80	90	88	1.8															
25	12.0	14.0	11.9	12.4	14.5	11.5		10.0	11.1	9.7	10.1	95	93	93	94																
26	11.0	14.5	11.4	12.1	15.5	10.4		9.2	11.3	9.4	9.9	93	80	93	92	0.2															
27	11.0	15.6	12.3	12.8	16.5	10.3		8.9	10.5	9.6	9.7	90	80	90	87	0.6															
28	11.1	16.0	14.6	14.1	19.0	11.0		8.9	10.8	11.3	10.3	90	80	91	87	1.9															
29	12.1	16.0	13.4	13.7	17.0	11.6		9.9	9.9	10.5	10.1	94	73	91	86	1.0															
30	11.6	17.0	14.4	14.4	18.1	11.0		9.8	10.2	11.0	10.3	95	70	90	85	2.2															
31	12.0	16.0	13.2	13.6	16.8	11.7		9.4	10.8	10.8	10.3	90	80	95	88	0.1															
Med.	11.5	16.2	13.2	13.5	17.6	11.0		9.3	10.3	10.1	9.9	92	75	89	86	1.7															

Precipitación total: 94.9 mm.

DATOS DIARIOS

Estación Las Palomas Mes Abril Año 1969 φ 25° 08' N λ 152° 29' W GR Altura 2.700 M.

Table with columns: Dias, TEMPERATURAS (7, 14, 20, Med., Max., Min., Mínima Suelo), TENSION DEL VAPOR (7, 14, 20, Med.), Humedad Relativa (7, 14, 20, Med.), NUBESCOMAS, Brillo Solar (Horas), PRECIPITACION (7, 14, 20, Total) in mm, EVAPORACION (7, 14, 20, Total) in mm, VIENTOS (7, 14, 20) with Direccion and Fuerza in Km/Hora.

Precipitación total : 422.1 m.m.

DATOS DIARIOS

Estación Las Palomas Mes Mayo Año 1969 $\phi = 5^{\circ} 08' N$ $\lambda = 75^{\circ} 28' W$ OR. Altura 2.700 M.

Días	TEMPERATURAS					TENSION DEL VAPOR					Humedad Relativa			HRS. DE SOL	PRECIPITACION			VIENTOS				
	°C					m m.					%				Brillo Solar Horas	m m.			Km./Hora			
	7	14	20	Med.	Máx. Min.	Mínima Suelo	7	14	20	Med.	7	14	20			Med.	7	14	20	7	14	20
1	11.5	13.6	12.0	12.3	16.1	11.3	9.8	10.8	9.4	10.0	9.6	93	90	93	0.4	0.6	1.5	0.2	1.7			
2	11.4	15.0	12.0	12.6	16.0	11.0	9.6	11.5	10.0	10.4	95	90	95	93	0.1			4.1	4.1			
3	11.0	14.0	12.8	12.6	18.0	10.7	8.9	11.1	10.0	10.0	90	91	90	91	2.1		1.6	0.7	2.3			
4	11.6	13.7	11.7	12.2	16.0	11.1	9.3	10.7	9.7	9.9	93	90	91	92	0.1		8.4	6.2	14.6			
5	11.5	14.5	12.4	12.7	17.0	11.1	9.5	9.2	9.8	9.5	93	90	91	86	0.1			3.1	3.1			
6	12.0	14.5	14.0	13.6	20.6	11.1	9.0	11.1	10.8	10.3	95	90	90	92	3.4		2.5		2.5			
7	13.0	16.5	14.0	14.4	19.0	12.0	10.4	11.2	11.4	11.0	93	90	95	89	0.9			0.4	1.3	2.2		
8	12.0	15.0	13.0	13.2	16.8	11.6	9.0	11.0	10.5	10.2	85	86	94	88	1.0	0.5	2.7	5.3	8.8			
9	12.1	13.0	12.0	12.3	13.6	11.8	10.2	10.5	10.0	10.2	95	95	96	95								
10	11.3	15.0	11.0	12.1	15.6	11.0	9.6	10.2	9.2	9.7	95	80	93	89								
11	11.6	17.3	15.0	14.7	21.6	10.5	8.0	11.8	12.0	10.6	78	80	94	84	5.5							
12	12.5	18.0	15.6	15.4	19.3	12.0	10.4	11.6	11.3	11.1	96	75	85	85	2.0							
13	12.8	14.9	13.4	13.6	16.0	12.1	10.5	12.0	10.9	11.1	95	95	95	95	0.5							
14	12.8	14.9	12.9	13.4	14.6	12.0	10.6	11.3	10.3	10.7	96	90	93	93								
15	11.8	14.6	12.9	13.0	16.2	11.3	9.9	11.7	10.5	10.7	96	94	95	95								
16	11.5	18.0	15.3	15.0	18.6	11.0	9.6	10.0	12.3	10.6	94	65	95	85	3.3							
17	12.1	14.0	13.4	13.2	17.1	12.0	10.0	10.8	10.9	10.6	95	90	95	93								
18	12.0	15.3	14.1	13.9	16.6	11.9	9.8	11.6	11.4	10.9	93	90	95	93	0.5	0.1						
19	12.9	16.3	14.4	14.5	21.9	12.6	10.3	11.4	11.1	10.9	93	83	91	89	2.9	0.4	0.8	0.1	0.9			
20	12.5	16.3	13.6	14.0	17.4	11.5	10.1	11.0	10.9	10.7	93	85	94	91	0.4							
21	12.5	14.6	14.0	13.8	16.4	12.3	10.1	11.6	11.4	11.1	93	95	94	94	0.6	0.5	8.7	4.0	12.7			
22	12.0	17.3	13.4	14.0	19.0	11.6	9.7	12.2	10.8	10.9	92	82	92	89	2.2							
23	12.5	15.9	14.0	14.1	20.5	12.4	10.3	10.8	11.0	10.7	94	81	92	89	1.7	6.1	0.6	0.2	0.8			
24	13.1	18.0	14.7	15.1	19.2	12.8	10.5	10.2	10.8	10.5	95	66	86	82	3.1							
25	12.0	18.8	15.3	15.4	20.9	12.0	9.4	12.0	11.6	11.0	90	74	90	85	5.2							
26	13.1	15.3	13.9	14.0	17.0	12.8	10.3	12.0	10.9	11.1	91	93	93	92	0.1							
27	13.0	16.1	13.7	14.1	18.0	12.5	10.5	11.2	10.7	10.8	95	82	90	89	0.9							
28	13.0	17.0	13.8	14.4	20.1	12.1	10.5	8.7	10.9	10.0	95	60	92	82	1.1	0.2						
29	13.1	15.6	13.6	14.0	16.4	12.5	10.5	11.4	10.5	10.8	95	86	90	80	1.5							
30	12.4	18.0	14.6	14.9	19.0	12.0	10.3	10.2	11.8	10.8	95	66	95	85	1.5							
31	12.8	15.3	14.0	14.0	17.1	12.0	10.5	11.6	11.5	11.2	95	90	96	94	0.2							
Med.	12.2	15.7	13.6	13.8	17.7	11.8	9.9	11.0	10.8	10.6	93	84	92	90	1.4	2.0	3.3	2.6	6.1			

Precipitación total : 250.4 mm.

DATOS DIARIOS

Estación Las Palomas Mes Junio Año 1969 $\phi = 5^{\circ} 08' N$ $\lambda = 75^{\circ} 28' WGR$ Altura 2.700 M.

Días	TEMPERATURAS					TENSION DEL VAPO					Humedad Relativa				Brillo Solar Horas	PRECIPITACION			EVAPORACION			VIENTOS					
	°C					mm					%					mm			mm			7		14		20	
	7	14	20	Med.	Max. Min.	Mínima Suelo	7	14	20	Med.	7	14	20	Med.		7	14	20	Total	7	14	20	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA		
1	12.4	14.6	13.5	13.5	16.3	12.0	10.3	11.2	11.1	10.9	95	90	96	94	0.3	3.2	3.9	0.5	4.5								
2	12.3	13.4	12.3	12.6	16.1	12.0	10.2	11.0	10.2	10.5	96	96	96	96													
3	11.8	14.3	12.1	12.6	16.2	11.4	9.9	10.9	10.0	10.3	95	90	95	93	0.3	1.1	2.0	59.8	89.4								
4	10.7	15.4	13.0	13.0	16.4	10.3	9.3	9.1	10.5	9.6	95	70	94	86	0.8	27.6		0.3	1.7								
5	11.8	16.0	13.4	13.6	18.8	11.0	9.9	12.0	10.4	10.8	95	88	90	91	2.4	1.4	1.2										
6	11.4	19.1	13.4	14.3	19.5	11.0	9.6	9.9	10.9	10.1	95	60	95	81	2.3												
7	12.6	15.0	12.8	13.3	16.4	12.3	9.6	11.6	10.4	10.5	88	91	94	91	0.2	0.1	8.5	0.3	8.8								
8	12.0	16.8	14.7	14.6	18.8	11.8	10.0	12.0	12.1	11.4	95	84	96	92	1.6												
9	12.1	16.0	13.0	13.5	16.8	11.8	10.2	10.8	10.5	10.5	95	80	95	90	0.3												
10	13.0	15.1	13.2	13.6	19.0	12.8	10.7	12.0	10.4	11.0	96	94	91	94	2.1												
11	12.1	17.3	13.2	14.0	17.6	12.0	10.0	10.3	10.6	10.3	96	70	94	87	1.4	10.2											
12	12.3	16.0	13.1	13.6	17.1	12.0	9.6	11.6	10.3	10.5	90	85	90	88	1.8												
13	13.0	16.4	13.7	14.2	18.0	12.2	10.5	11.8	11.4	95	85	95	92	1.4													
14	12.4	15.0	13.5	13.6	19.6	12.0	9.1	11.5	11.0	10.5	85	90	95	90	1.8	0.1	3.1	0.2	4.1								
15	11.0	16.3	13.0	13.3	19.9	10.5	9.2	12.4	10.4	10.7	93	90	92	92	2.5												
16	12.5	15.8	13.5	13.8	18.4	12.5	10.4	11.2	10.9	10.8	96	81	94	91	1.4	0.1	0.2										
17	11.9	15.9	13.6	13.8	17.1	11.8	9.1	11.6	10.9	10.5	88	86	94	89	1.1												
18	12.4	15.0	12.8	13.2	16.3	12.0	10.3	10.6	10.0	10.3	95	83	90	89													
19	11.5	14.0	12.8	12.8	15.5	11.5	9.7	10.3	10.6	10.2	95	90	96	94	0.3	1.5	8.5	0.1	8.6								
20	12.0	17.4	15.0	14.8	19.5	11.6	9.4	9.7	11.8	10.3	90	65	93	83	2.2												
21	12.0	14.5	12.8	13.0	17.4	11.3	9.4	11.1	10.3	10.3	90	90	93	91	0.4	7.6	11.3	3.1	14.4								
22	12.0	16.8	14.6	14.5	18.0	11.3	10.0	12.9	11.9	11.6	96	90	96	94	1.7												
23	12.4	17.0	14.3	14.5	18.0	12.0	10.6	10.2	10.9	10.6	98	70	90	86	2.6												
24	12.5	18.0	13.0	14.1	18.5	12.0	10.3	9.9	10.1	10.1	95	64	90	83	1.9												
25	12.1	15.0	12.6	13.1	16.5	11.8	10.0	10.2	10.2	10.1	95	80	93	89	0.2												
26	12.0	16.0	13.3	13.6	16.4	11.5	9.9	10.8	10.6	10.4	94	80	94	89	0.6	0.2	0.9	1.3	9.7								
27	11.6	13.3	11.8	12.1	14.4	11.2	10.0	9.8	9.8	9.9	98	86	94	93													
28	10.6	14.6	13.5	13.0	16.5	10.0	9.1	10.3	10.5	10.0	95	83	90	89	1.0												
29	11.4	16.0	13.8	13.8	18.0	11.0	9.6	9.4	11.1	10.0	95	70	94	86	4.0												
30	12.0	15.6	12.1	13.0	16.6	12.0	9.9	10.5	9.8	10.1	94	80	93	89	0.5												
31																											
Med.	12.0	15.7	13.2	13.5	17.4	11.6	9.9	10.9	10.7	10.5	94	82	93	90	1.2	2.0	3.1	3.0	6.0								

Precipitación total = 240.4 m.m.

DATOS DIARIOS

Estación LAS PALOMAS Mes Julio Año 1969 φ - 5° 08' N λ - 152° 28' W GR Altura 2.700 M.

Días	TEMPERATURAS °C						TENSIÓN DEL VAPOR mm						Humedad Relativa %				NUBOSIDAD DECIMOS		Brillo Solar Horas		PRECIPITACION mm			EVAPORACION mm			VIENTOS													
	7		14		20		7		14		20		7		14		20		Med.		7		14		20		Total		7		14		20		DIREC. FUERZA		DIREC. FUERZA		DIREC. FUERZA	
	Med.	Máx.	Mín.	Mínima Suelo	7	14	20	Med.	7	14	20	Med.	7	14	20	Med.	7	14	20	Med.	7	14	20	Med.	7	14	20	Med.	7	14	20	Med.	7	14	20	Med.	7	14	20	
1	11.0	15.0	12.3	12.6	17.0	10.5	9.2	9.3	9.6	9.4	9.3	75	91	86	1.0																									
2	11.2	14.0	11.3	12.0	15.0	11.0	9.7	10.8	9.4	10.0	9.8	90	94	94																										
3	11.1	14.9	12.3	12.6	17.0	10.6	8.9	10.2	9.1	9.4	90	82	86	86	2.1																									
4	11.5	18.5	13.4	14.2	20.0	10.4	9.6	11.2	8.3	9.7	94	70	72	79	5.5																									
5	12.0	15.0	13.1	13.3	18.5	12.0	9.9	10.3	10.1	10.1	94	81	90	88	2.2																									
6	11.5	15.6	12.8	13.2	18.2	11.0	9.6	10.5	9.7	9.9	94	80	88	87	2.8																									
7	11.4	13.9	12.0	12.3	15.3	11.0	9.4	10.9	9.4	9.9	93	93	90	92	5.5																									
8	12.0	17.3	13.3	14.0	20.0	11.8	9.4	10.3	9.9	9.9	90	70	86	82	2.1																									
9	11.0	16.2	14.0	13.8	19.5	11.0	9.3	9.1	10.8	9.7	94	66	91	84	0.4																									
10	12.0	14.5	12.6	12.9	15.6	11.3	9.4	9.0	9.4	9.3	90	73	86	83																										
11	11.4	13.1	11.4	11.8	13.4	11.0	9.2	10.4	9.4	9.7	91	92	91	92	7.2																									
12	11.1	17.0	13.3	13.7	18.4	11.0	8.9	10.2	9.8	9.6	90	70	86	82	5.8																									
13	11.4	18.1	12.8	13.8	20.4	11.0	8.7	8.4	7.3	8.1	86	55	66	69	3.8																									
14	11.3	16.0	12.8	13.2	18.5	11.0	8.9	8.1	8.9	8.6	90	60	81	77	2.7																									
15	11.0	15.5	12.5	12.9	19.5	11.0	9.2	9.2	9.8	9.4	93	70	85	80	1.0																									
16	12.0	15.4	12.0	12.8	16.3	10.8	9.9	8.5	8.4	8.9	94	66	80	80	0.4																									
17	11.0	14.5	12.0	12.4	16.2	10.4	9.3	9.0	8.2	8.8	94	73	78	82	2.9																									
18	11.0	16.5	13.8	13.8	20.0	10.5	8.4	8.4	8.8	8.5	85	61	74	73	6.8																									
19	11.5	18.8	14.0	14.6	21.3	10.8	9.1	8.1	9.0	8.7	90	50	75	72	5.2																									
20	12.5	18.2	14.3	14.8	20.5	11.0	10.2	7.1	9.1	8.8	93	45	76	71	4.1																									
21	12.3	18.5	14.0	14.7	20.0	12.0	10.2	7.9	9.1	9.1	95	50	76	74	6.2																									
22	11.0	19.0	13.0	14.0	19.5	10.5	8.4	6.8	7.3	7.5	85	41	66	64	7.6																									
23	11.0	21.0	13.0	14.5	22.0	10.7	7.8	6.2	6.7	6.9	80	34	60	58	4.0																									
24	11.0	17.0	13.4	13.7	19.0	11.0	8.9	8.7	9.2	8.9	89	60	80	76	0.9																									
25	11.5	17.0	14.0	14.1	18.0	10.5	9.0	8.7	9.6	9.1	91	70	80	80	2.3																									
26	11.8	16.0	12.4	13.2	17.0	11.3	9.9	10.2	9.7	9.9	95	75	90	87	2.6																									
27	11.4	17.4	13.5	13.8	17.9	10.8	8.4	8.9	7.3	8.2	85	60	68	71	6.3																									
28	12.0	18.5	13.1	14.2	20.0	11.4	9.9	7.2	6.7	7.9	94	45	66	66	2.1																									
29	11.4	16.0	13.0	13.4	17.4	11.0	10.7	10.2	10.1	10.3	86	75	90	84	1.1																									
30	11.3	13.0	11.4	11.8	16.1	10.6	9.4	10.5	9.6	9.8	94	95	95	95	0.2																									
31	11.0	13.1	12.1	12.1	14.3	10.0	9.4	10.1	10.0	9.8	95	90	92	93	0.3																									
Med.	11.4	16.3	12.9	13.3	18.1	10.9	9.3	9.2	9.0	9.2	91	68	82	80	3.1																									

Precipitación total : 24.9 mm.

DATOS DIARIOS

Estación Los Palomas Mes Agosto Año 1969 $\phi = 5^{\circ} 08'N$ $\lambda = 75^{\circ} 28' WGR$ Altura 2,700 M.

Días	TEMPERATURAS					TENSION DEL VAPOR					Humedad Relativa			NUBOSIDAD	Brillo Solar Horas	PRECIPITACION			EVAPORACION			VIENTOS						
	°C					mm					%					mm			mm			Km./Hora						
	7	14	20	Med.	Máx.	Min.	7	14	20	Med.	Méx.	7	14			20	Med.	7	14	20	Total	7	14	20	DIREC.	FUERZA	DIREC.	FUERZA
1	12.0	15.4	12.3	13.0	18.0	11.6	10.0	9.1	10.2	9.8	96	70	95	87	2.2	—	—	—	—	—	—	—	—	—	—	—	—	—
2	11.0	16.9	13.6	13.8	19.6	10.0	9.3	9.4	10.5	9.7	94	65	90	83	5.0	—	—	—	—	—	—	—	—	—	—	—	—	—
3	11.6	17.5	13.2	13.9	18.0	11.0	9.8	9.0	10.4	9.7	95	60	91	82	2.3	—	—	—	—	—	—	—	—	—	—	—	—	—
4	12.0	16.2	13.0	13.7	18.5	10.7	10.0	7.9	7.9	8.6	93	55	88	79	4.7	—	—	—	—	—	—	—	—	—	—	—	—	—
5	11.0	18.0	12.5	13.5	20.0	10.4	9.2	10.0	9.4	9.5	93	65	86	81	5.0	—	—	—	—	—	—	—	—	—	—	—	—	—
6	12.0	16.8	12.5	13.4	19.9	11.3	9.4	9.4	8.7	9.2	94	65	80	80	3.3	—	—	—	—	—	—	—	—	—	—	—	—	—
7	11.0	13.6	11.4	11.8	15.0	10.8	9.4	9.4	8.4	9.2	93	80	91	89	0.5	—	—	—	—	—	—	—	—	—	—	—	—	—
8	11.0	15.0	11.8	12.4	16.0	10.6	9.4	8.4	9.9	9.2	93	95	66	95	85	1.0	—	—	—	—	—	—	—	—	—	—	—	—
9	10.0	16.5	11.0	11.4	14.5	9.5	8.8	9.4	9.2	9.1	95	80	93	89	0.2	—	—	—	—	—	—	—	—	—	—	—	—	—
10	10.0	16.5	12.4	12.8	19.0	9.6	8.9	11.3	9.5	9.9	96	80	88	88	3.4	—	—	—	—	—	—	—	—	—	—	—	—	—
11	11.0	14.0	11.8	12.2	15.0	10.0	9.4	10.6	9.9	10.0	95	88	95	93	0.2	—	—	—	—	—	—	—	—	—	—	—	—	—
12	10.5	15.0	12.0	12.4	18.5	9.5	8.6	9.0	10.0	9.2	90	71	96	86	1.2	—	—	—	—	—	—	—	—	—	—	—	—	—
13	11.0	12.0	12.0	11.8	15.0	10.0	9.0	9.8	10.0	9.6	91	93	96	93	0.9	—	—	—	—	—	—	—	—	—	—	—	—	—
14	11.0	14.0	12.0	12.2	17.0	10.5	9.3	9.6	9.9	9.6	94	80	94	89	0.9	—	—	—	—	—	—	—	—	—	—	—	—	—
15	11.0	13.0	12.1	12.0	15.0	10.6	9.4	10.1	10.0	9.8	95	90	96	94	1.9	—	—	—	—	—	—	—	—	—	—	—	—	—
16	11.0	13.3	11.8	12.0	15.5	10.0	9.5	10.3	9.9	9.9	96	90	95	94	0.6	—	—	—	—	—	—	—	—	—	—	—	—	—
17	11.0	14.0	10.9	11.7	14.5	10.0	9.5	9.6	9.4	9.5	96	80	96	91	0.3	—	—	—	—	—	—	—	—	—	—	—	—	—
18	10.0	15.0	13.0	12.8	15.6	9.5	8.6	10.2	10.5	9.8	96	80	94	90	0.6	—	—	—	—	—	—	—	—	—	—	—	—	—
19	11.0	16.0	12.6	13.0	17.5	10.0	9.4	8.1	10.3	9.3	95	60	94	83	2.6	—	—	—	—	—	—	—	—	—	—	—	—	—
20	11.0	14.5	12.0	12.4	15.3	9.6	9.4	9.8	9.4	9.5	95	80	90	88	0.7	—	—	—	—	—	—	—	—	—	—	—	—	—
21	11.0	13.1	12.0	12.0	14.6	10.9	8.5	10.1	9.8	9.5	86	90	94	90	0.2	—	—	—	—	—	—	—	—	—	—	—	—	—
22	10.0	17.0	11.8	12.6	18.0	9.6	8.5	7.9	9.0	8.5	93	55	86	78	2.3	—	—	—	—	—	—	—	—	—	—	—	—	—
23	10.6	14.0	11.8	12.0	14.6	10.0	9.1	10.5	9.9	9.8	95	85	95	92	1.1	—	—	—	—	—	—	—	—	—	—	—	—	—
24	10.4	13.0	11.8	11.8	14.1	10.0	9.0	8.9	9.3	9.3	95	80	96	90	0.2	—	—	—	—	—	—	—	—	—	—	—	—	—
25	11.0	13.6	12.0	12.2	17.3	10.0	9.3	9.7	9.9	9.6	93	83	94	90	2.7	—	—	—	—	—	—	—	—	—	—	—	—	—
26	11.0	15.0	13.0	13.0	15.3	10.4	9.4	10.2	10.5	10.0	95	80	95	90	0.6	—	—	—	—	—	—	—	—	—	—	—	—	—
27	11.0	16.0	11.6	12.6	17.0	11.0	9.3	10.2	9.5	9.7	94	75	93	87	1.0	—	—	—	—	—	—	—	—	—	—	—	—	—
28	10.5	15.0	11.5	12.1	16.0	10.5	8.0	10.2	8.5	8.9	94	80	83	86	0.4	—	—	—	—	—	—	—	—	—	—	—	—	—
29	11.0	14.9	12.6	12.8	16.0	11.0	9.3	10.0	10.9	10.1	94	80	94	89	0.8	—	—	—	—	—	—	—	—	—	—	—	—	—
30	12.0	16.6	12.7	13.5	17.0	12.0	10.0	10.0	10.3	10.1	95	70	93	86	0.7	—	—	—	—	—	—	—	—	—	—	—	—	—
31	12.0	16.0	13.0	13.5	16.0	11.5	10.0	11.6	10.1	10.6	95	65	90	90	0.4	—	—	—	—	—	—	—	—	—	—	—	—	—
Med	11.0	15.0	12.2	12.6	16.6	10.4	9.2	9.7	9.7	9.6	94	76	92	87	1.5	—	—	—	—	—	—	—	—	—	—	—	—	—

Precipitación total 112.3 mm.

DATOS DIARIOS

Estación Las Palomas

Mes Septiembre Año 1969

$\phi = 5^{\circ} 08' N$ $\lambda = 75^{\circ} 28' W$ OR

Altura 2,700 M.

Días	TEMPERATURAS						TENSIÓN DEL VAPOR						Humedad Relativa				NUBOSIDAD DECIMOS	Brillo Solar Horas	PRECIPITACION mm			EVAPORACION mm	VIENTOS				
	7		14		20		7		14		20		7		14				20		7		14		20		
	Med.	Max.	Min.	Min.	Med.	Max.	Med.	Max.	Med.	Max.	Med.	Max.	7	14	20	7			14	20	Total		DIREC. CION	FUERZA Km./Hora	DIREC. CION	FUERZA Km./Hora	
1	12.0	15.6	11.8	12.8	17.0	11.1		10.0	20.3	9.0	10.0	96	75	86	86												
2	11.5	13.5	11.5	12.0	14.5	11.0		9.1	9.4	8.5	9.0	90	90	83	84												
3	11.5	11.5	11.5	14.0	20.5	11.0		8.6	8.4	10.0	9.0	84	96	86	75												
4	12.4	17.9	13.1	14.1	19.5	12.0		9.2	9.9	9.6	9.6	86	65	86	79												
5	11.7	17.4	14.0	12.8	18.9	11.0		9.3	10.6	9.0	9.6	90	70	75	78												
6	12.0	13.0	11.6	12.0	16.1	11.5		9.7	10.4	8.1	9.4	92	93	80	88												
7	11.5	15.9	12.0	12.8	17.0	11.5		9.1	10.4	10.0	9.8	90	78	96	88												
8	11.5	19.0	14.8	15.0	20.6	11.1		9.1	9.5	10.2	9.1	90	60	81	71												
9	12.0	18.0	14.0	14.5	19.0	11.6		10.0	10.8	10.0	10.1	95	70	84	81												
10	13.0	16.8	14.0	14.4	18.4	12.1		10.4	10.4	10.0	10.3	93	72	84	83												
11	12.0	16.0	13.8	14.4	19.0	11.7		9.8	7.7	8.2	8.6	93	50	70	71												
12	12.0	16.8	14.2	14.1	19.5	11.7		9.4	9.0	9.6	9.1	90	63	80	78												
13	11.9	20.0	14.1	15.0	20.9	11.8		9.5	9.3	6.6	8.6	92	44	56	64												
14	12.0	17.8	14.1	14.5	20.5	10.5		8.9	8.5	8.8	8.7	84	96	74	71												
15	12.0	17.5	14.0	14.4	19.0	11.8		9.7	11.1	8.4	9.8	92	75	90	86												
16	12.0	13.3	11.6	12.1	14.5	11.5		9.6	10.8	9.8	10.1	91	96	92	91												
17	10.8	18.0	11.3	11.4	14.7	10.5		9.1	9.7	9.6	9.5	94	92	95	94												
18	11.0	13.3	11.6	11.9	15.5	10.4		9.5	10.3	9.8	9.9	96	90	95	94												
19	10.5	11.0	11.0	11.1	12.1	10.0		9.1	9.7	9.5	9.4	95	91	96	95												
20	10.0	12.3	11.4	11.3	14.5	10.0		8.7	9.0	9.3	9.0	94	91	92	91												
21	11.0	12.0	11.0	11.2	14.0	10.5		9.4	10.0	9.1	9.5	95	92	94	92												
22	11.0	12.6	11.2	11.5	15.0	10.4		9.4	10.2	9.4	9.7	95	93	94	94												
23	10.5	13.5	11.3	11.6	14.0	10.5		9.2	10.7	9.3	9.6	96	94	90	93												
24	10.5	13.5	11.0	11.5	15.0	10.0		8.9	10.8	9.8	9.8	93	91	100	95												
25	10.5	14.0	12.6	12.4	17.4	10.0		9.1	10.8	10.5	10.1	95	90	96	94												
26	11.0	13.3	11.6	11.9	15.4	11.0		9.4	10.6	9.1	9.8	95	92	91	93												
27	13.4	11.0	11.6	12.4	14.0	10.8		11.0	10.5	9.8	10.4	96	95	96	95												
28	10.6	15.0	12.6	12.7	16.6	10.0		9.1	11.0	10.5	10.2	95	86	96	92												
29	11.0	12.0	10.3	10.9	12.5	10.6		9.4	10.0	8.8	9.4	95	95	94	95												
30	10.5	15.5	12.3	12.6	16.1	10.0		9.6	10.7	10.2	10.2	90	81	91	89												
31																											
Med.	11.4	15.1	12.4	12.8	16.7	10.9		9.4	10.1	9.3	9.6	92	80	88	86												

Precipitación total : 229.3 mm.

DATOS DIARIOS

Estación Las Palomas Año 1969 $\phi = 31^{\circ} 08' N$ $\lambda = 75^{\circ} 28' WGR$ Altura 2,700 M.

Días	TEMPERATURAS °C					TENSIÓN DEL VAPOR m m					Humedad Relativa %			NUBOSIDAD DECIMOS	Brillo Gólar	PRECIPITACION m m			EVAPORACION m m			VIENTOS				
	7	14	20	Med.	Máx.	Mín.	Mínima Suelo	7	14	20	Med.	7	14			20	Total	7	14	20	DIREC. CION	FUERZA Km./hora	DIREC. CION	FUERZA Km./hora	DIREC. CION	FUERZA Km./hora
1	11.4	11.0	10.0	10.6	12.0	11.0		9.7	9.5	8.8	9.3	96	96	95	96	0.1	0.4	8.7	3.1	13.1						
2	11.0	13.0	11.6	11.8	13.6	10.0		9.3	10.5	9.7	9.8	94	94	94	94	0.1	1.3	6.3	0.3	8.1						
3	10.0	12.0	10.0	10.5	12.4	9.6		8.9	9.8	8.9	9.2	95	91	96	95	0.1	1.5	0.5	2.7	11.2						
4	10.0	14.0	11.0	11.5	15.0	9.0		8.8	9.6	9.4	9.3	95	80	95	90	0.6	8.0	—	18.3	98.1						
5	10.0	11.0	10.0	10.2	11.3	10.0		8.8	9.4	8.8	9.0	95	95	95	95	—	19.8	11.9	14.7	26.9						
6	10.0	12.2	10.0	10.6	14.0	9.0		8.9	9.9	8.9	9.2	96	91	96	95	0.3	0.3	—	3.7	6.1						
7	10.0	13.6	11.0	11.4	14.0	9.5		8.8	10.5	9.5	9.6	95	90	96	94	0.6	2.4	0.3	3.2	3.3						
8	11.6	13.0	11.0	11.6	13.3	10.0		9.8	10.3	9.4	9.8	96	90	95	94	—	—	—	8.6	2.7	16.4					
9	10.5	15.6	11.0	12.0	16.0	10.0		9.1	9.3	9.4	9.3	85	70	95	87	0.5	5.1	0.4	13.9	14.3						
10	10.4	16.5	12.5	13.0	18.0	10.0		8.0	10.6	9.7	9.4	85	75	90	81	5.1	—	—	—	10.6						
11	10.4	12.0	10.0	10.6	15.4	10.0		8.8	9.8	8.8	9.1	93	93	95	94	0.6	10.6	3.3	21.7	25.0						
12	10.2	17.6	11.1	12.5	18.0	9.5		7.4	9.0	9.6	8.7	80	60	96	79	4.2	—	—	8.0	9.4						
13	11.0	12.0	10.0	10.8	15.0	10.6		9.8	10.0	9.0	9.6	100	96	98	98	0.8	1.4	43.6	8.1	52.0						
14	10.0	15.5	11.0	11.9	16.5	8.6		6.7	8.9	9.2	8.9	94	68	93	85	2.9	0.2	—	0.1	11.6						
15	10.6	12.0	10.3	10.8	12.6	9.5		9.2	9.8	9.0	9.3	95	93	96	95	—	11.5	5.9	20.2	36.5						
16	10.0	11.8	10.0	10.4	12.5	9.3		8.8	9.0	8.8	8.9	95	86	95	92	—	10.4	3.4	3.6	7.4						
17	10.0	16.0	11.3	12.2	18.0	10.0		8.7	8.1	9.3	8.7	94	60	93	82	4.1	0.4	—	4.0	4.0						
18	11.0	15.0	12.0	12.5	16.4	10.0		9.5	11.3	9.8	10.2	96	88	93	92	3.5	—	0.2	—	0.2						
19	11.0	14.5	12.0	12.4	16.3	10.5		9.4	11.1	9.9	10.1	95	90	94	91	1.0	—	0.5	1.9	2.4						
20	11.0	13.6	11.8	12.0	16.0	10.4		9.4	11.2	9.8	10.1	95	96	94	95	1.2	—	7.1	2.4	9.6						
21	11.0	14.6	11.1	12.0	16.0	10.0		8.9	10.3	8.9	9.4	90	83	96	88	3.4	0.1	4.7	23.1	33.4						
22	11.0	15.6	11.6	12.4	17.0	10.4		9.5	11.4	9.7	10.2	96	86	94	92	2.2	3.4	0.6	1.0	1.6						
23	10.4	15.8	11.8	12.4	17.1	10.6		8.9	9.3	9.9	9.4	94	70	96	87	2.8	—	—	56.0	75.4						
24	10.0	15.0	11.1	11.8	16.4	10.0		9.0	11.0	9.6	9.9	98	86	93	91	3.4	19.4	1.2	—	1.2						
25	10.0	15.0	11.3	11.9	16.2	9.4		8.5	8.8	9.6	9.0	93	70	96	86	3.6	—	—	16.7	18.3						
26	11.0	16.0	12.0	12.8	17.2	9.4		9.4	9.4	9.9	9.6	95	70	94	86	3.6	1.6	—	4.8	32.1						
27	10.0	17.0	12.0	12.8	17.6	9.5		8.8	8.7	9.4	9.0	95	60	90	82	4.4	27.3	—	—	—						
28	10.5	15.0	12.5	12.6	16.0	10.5		8.9	10.3	10.3	9.8	93	83	94	90	3.1	—	—	18.7	18.7						
29	11.4	13.4	12.0	12.2	15.6	11.0		9.6	10.8	9.2	9.9	95	94	88	92	1.0	—	0.2	—	0.2						
30	11.2	13.0	12.0	12.0	15.0	11.0		8.9	10.1	9.6	9.5	90	90	91	90	1.0	—	9.2	0.5	9.7						
31	11.0	16.0	13.5	13.5	16.2	10.3		9.4	10.8	11.0	10.4	95	80	95	90	0.8	—	—	1.3	7.8						
Med.	10.6	14.1	11.2	11.8	15.4	9.9		9.0	9.9	9.4	9.5	94	83	94	90	1.6	6.0	3.8	8.2	18.1						

Precipitación total : 562.6 m.m.

DATOS DIARIOS

Estación Las Palomas Mes Noviembre Año 1899 $\phi = 5^{\circ} 08' N$ $\lambda = 75^{\circ} 28' WGR$ Altura 2,100 M.

Días	TEMPERATURAS $^{\circ}C$						TENSION DEL VAPOR mm						Humedad Relativa %			NUBESIDAD DECIMOS	Brillo Solar Horas	PRECIPITACION mm			EVAPORACION mm	VIENTOS					
	Max.		Min.		Méd.		7		14		20		7		14			20		7		14		20			
	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20			7	14	20		DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA
1	11.0	15.4	12.6	12.9	16.4	11.0	9.3	10.9	9.8	10.0	9.8	81	90	89	1.4	6.5	7.1	0.1	7.2								
2	10.9	17.5	13.6	13.9	19.0	10.5	9.3	9.9	10.7	10.0	9.5	66	91	84	4.8				0.3								
3	12.0	17.5	13.0	13.9	18.0	10.6	10.0	9.0	10.5	9.8	9.6	60	95	84	6.0	0.2											
4	10.9	17.5	13.6	13.9	19.0	10.6	8.2	8.2	10.5	9.2	9.1	55	90	79	2.5				17.3								
5	11.0	15.0	11.7	12.4	15.5	10.6	9.8	8.4	9.9	2.4	100	66	97	87	0.2	17.3	0.6	0.6	1.2								
6	11.0	15.0	12.0	12.5	15.4	10.9	9.4	10.3	10.0	9.9	9.5	94	95	90	0.9				3.0	7.9	35.0						
7	10.0	13.5	11.0	11.4	14.1	9.6	8.9	10.5	9.4	9.6	9.6	90	95	94	0.1	24.1	2.6	8.6	29.4								
8	10.0	14.0	10.5	11.2	14.7	9.0	8.9	8.4	9.0	6.8	9.5	70	94	86	0.7	18.2											
9	10.5	13.6	11.4	11.7	15.0	9.6	9.1	10.5	9.6	9.7	9.5	90	95	93	0.5	0.9	11.3	4.6	15.9								
10	10.5	13.3	11.0	11.4	14.0	10.4	9.1	10.3	9.4	9.6	9.5	90	95	93			5.2		5.2								
11	11.0	14.5	11.2	12.0	15.6	10.0	9.3	9.0	9.6	9.3	9.4	73	96	88	2.5				6.1	19.8							
12	10.8	13.5	11.4	11.8	17.1	9.5	9.3	10.5	9.5	9.8	9.5	90	94	91	2.1	13.7	3.0		3.0								
13	10.7	14.5	12.0	12.3	15.0	10.5	8.6	11.5	9.9	10.0	88	93	94	92	0.3				3.0								
14	11.0	14.0	10.8	11.6	14.7	10.6	8.9	11.0	8.9	9.6	89	92	91	91	0.7				0.6	3.4	4.2						
15	10.8	14.5	12.0	12.3	15.5	10.5	9.3	10.8	9.8	10.0	95	93	93	90	1.3												
16	11.0	14.0	12.0	12.2	14.4	10.9	9.2	10.8	10.0	10.0	93	90	95	93	0.1				5.4	10.4							
17	11.0	16.0	12.0	12.8	17.5	10.8	9.8	9.4	10.0	9.7	100	70	95	88	0.4	2.3	2.4		2.4								
18	10.6	13.0	11.0	11.4	15.0	10.0	9.1	10.7	9.5	9.6	9.5	80	96	94													
19	10.4	14.5	11.4	11.9	16.3	10.0	9.0	10.2	9.6	9.6	95	93	95	91	1.2												
20	10.0	16.0	10.4	11.7	16.0	9.5	8.8	10.8	9.0	9.5	95	60	95	90	2.0				4.6	7.0							
21	10.0	15.4	13.3	13.0	16.0	9.9	8.8	9.1	10.8	9.6	9.5	70	95	87	1.5												
22	11.0	15.0	13.0	13.0	15.6	11.0	8.9	10.2	10.5	9.9	90	80	94	88	0.2												
23	11.0	16.0	13.4	13.4	17.1	10.6	9.3	11.6	10.9	10.6	94	85	95	91													
24	11.6	14.3	12.6	12.7	14.0	11.0	9.8	10.0	10.4	10.3	95	81	95	91					28.0								
25	11.0	13.4	11.5	11.8	14.1	11.0	9.3	10.8	9.2	9.8	94	81	93	91	0.5				11.7	0.6	12.3						
26	10.5	15.4	12.8	12.9	16.6	10.0	9.0	9.5	10.2	9.6	94	73	92	86	1.3												
27	10.4	16.5	13.0	13.2	17.5	10.0	9.0	7.7	10.1	8.9	95	55	90	80	4.3												
28	11.0	15.0	12.5	12.8	16.0	11.0	9.3	10.2	10.3	9.9	94	60	90	80	2.6				7.0	7.0							
29	12.0	14.0	12.0	12.5	15.4	11.7	10.0	10.3	10.0	10.1	95	86	95	92	1.1												
30	10.0	14.5	12.5	12.5	16.4	9.4	9.2	10.0	9.8	9.7	100	80	91	90	2.0												
31																											
Med	10.8	14.9	12.6	12.4	15.9	10.4	9.2	10.0	9.9	9.7	95	79	94	89	1.5	4.1	1.8	2.1	7.9								

Precipitación total : 233.5 mm.

DATOS DIARIOS

Estación Las Palomas Año 1969 $\phi = 36^{\circ} 08' N$ $\lambda = 75^{\circ} 28' WGR$ Altura 2,700 M

Días	TEMPERATURAS °C					TENSIÓN DEL VAPOR in m					Humedad Relativa %			NUBOSIDAD DECIMOS	Brillo Solar Horas	PRECIPITACION in m			EVAPORACION in m			VIENTOS					
	7		14		20		7		14		20		7			14	20	7	14	20	Total	7		14		20	
	Min.	Máx.	Min.	Máx.	Med.	Min.	Máx.	Med.	7	14	20	Med.	7			14	20	7	14	20	Total	DIREC.	FUERZA	DIREC.	FUERZA	DIREC.	FUERZA
1	11.0	14.0	11.6	12.0	12.6	10.6	9.4	9.6	9.8	9.6	9.5	90	95	80	95	90											
2	10.8	15.3	12.4	12.7	12.7	10.6	9.0	9.8	9.9	9.6	93	76	92	87	2.2												
3	11.0	15.0	12.4	12.7	12.6	10.7	9.3	10.2	9.8	9.8	94	80	91	88	1.1												
4	10.8	13.6	11.7	12.0	12.0	10.4	8.9	10.5	9.5	9.6	91	90	92	91	0.8												
5	11.0	13.5	11.7	12.0	12.0	10.4	9.4	10.5	9.9	9.9	95	90	95	93	0.5												
6	11.0	14.0	12.9	12.7	12.7	10.7	9.4	11.3	10.6	10.4	95	93	96	95	0.3												
7	11.0	14.5	12.3	12.4	12.4	10.5	9.3	10.2	9.9	9.8	94	83	94	90	1.1												
8	11.4	16.8	13.4	13.8	13.8	10.6	9.7	10.0	10.5	10.1	96	70	91	86	2.6												
9	10.5	14.5	12.8	12.6	12.6	10.0	9.1	10.3	10.2	9.9	95	84	92	90	0.3												
10	10.0	16.0	12.8	12.9	12.9	10.8	8.3	9.4	10.0	9.2	90	70	90	83	2.4												
11	11.5	15.5	12.0	12.8	12.8	10.8	9.6	9.2	9.4	9.4	94	70	90	85	1.8												
12	11.5	13.0	11.3	11.8	11.8	11.0	9.6	10.1	9.6	9.8	94	90	95	93													
13	10.0	13.5	11.0	11.4	11.6	9.0	8.8	10.8	9.5	9.7	95	93	96	95													
14	10.0	15.0	12.4	12.4	12.4	10.8	8.7	8.8	10.3	9.3	94	70	96	87	0.7												
15	10.9	16.0	13.0	13.2	13.0	10.7	9.4	9.4	10.3	9.6	96	70	90	85	1.0												
16	10.5	18.0	13.0	13.6	13.6	10.0	8.6	8.2	10.1	9.0	90	53	90	78	3.7												
17	10.5	14.5	12.3	12.4	12.4	10.0	9.0	9.8	10.2	9.7	94	80	95	90	0.5												
18	11.5	15.0	12.5	12.9	12.9	10.8	9.5	10.6	10.0	10.0	93	84	95	91	0.5												
19	11.0	18.0	13.6	14.0	14.0	10.3	9.2	10.3	10.9	10.1	93	64	94	84	2.2												
20	11.0	13.6	12.1	12.2	12.2	10.4	9.0	9.7	9.6	9.4	91	83	91	88	0.6												
21	10.0	15.0	11.6	12.0	12.0	10.4	8.7	10.2	9.8	9.6	94	80	95	90	0.3												
22	10.0	13.6	11.8	11.8	11.8	9.3	8.7	10.5	9.4	9.5	94	90	91	82	0.1												
23	11.0	18.0	15.0	14.8	14.8	10.5	8.9	9.3	11.5	9.9	90	60	90	80	5.3												
24	11.0	16.0	13.3	13.3	13.3	10.0	9.3	9.9	10.0	9.7	94	73	90	86	2.3												
25	11.6	15.0	13.4	13.4	13.4	11.4	9.8	10.2	10.5	10.2	95	80	91	89	1.1												
26	11.3	15.0	13.3	13.2	13.2	10.7	8.9	10.3	10.3	9.8	90	83	90	88	1.0												
27	11.0	15.6	13.1	13.2	13.2	10.4	9.4	10.5	10.3	10.1	95	80	91	89	1.3												
28	10.5	16.0	13.4	13.3	13.3	10.0	8.8	10.8	10.0	9.9	92	80	88	87	1.8												
29	10.8	18.6	15.0	14.8	14.8	10.5	9.3	10.0	11.0	10.3	95	62	90	82	4.7												
30	11.0	16.8	13.6	13.8	13.8	10.6	8.4	10.0	9.0	9.1	85	70	85	80	1.6												
31	11.0	16.5	13.6	13.7	13.7	10.7	9.4	9.9	10.7	10.0	95	70	91	85	1.3												
Med.	10.8	15.3	12.7	12.9	12.9	10.3	9.1	10.0	10.1	9.7	93	77	92	88	1.5												

Precipitación total : 65.4 mm.

RESUMEN MENSUAL Y ANUAL

AÑO: 1959

ESTACION: Las Palomas

DÍAS	PRESION ATMOSFERICA SOBRE 800 MM. HG.			TEMPERATURA °C			TEMPERATURAS EXTREMAS °C						HUMEDAD RELATIVA %			TENSION DEL VAPOR MM. HG.			PRECIPITACION			DÍAS LLUVIOSOS								
	MEDIA	MAXIMA	MINIMA	MEDIA	7	14	20	MAXIMA	MINIMA	DA	MEDIA	SUBO	MINIMA	ABSOLUTA	DA	MEDIA	ABSOLUTA	MINIMA	ABSOLUTA	MEDIA	7		14	20	SUMA	DÍAS LLUVIOSOS				
																											MAXIMA	MINIMA	DA	MAXIMA
ENERO					10.5	15.3	12.1	12.5	16.8	10.1	20.2	31	9.1	3	94	78	92	88	45	11.3	4.6	9.6	1.9	10.0	16.1	166.0	192.1	20	48.0	23
FEBRERO					11.1	16.1	13.3	13.4	17.4	10.6	20.0	21	9.1	1	93	76	91	87	55	11.8	8.3	10.0	1.8	25.0	20.0	16.8	61.8	13	12.7	5
MARZO					11.5	16.2	13.2	13.5	17.6	11.0	21.0	17	9.5	10	92	75	89	86	46	12.0	7.6	9.9	1.7	2.8	47.6	44.5	94.9	15	39.6	2
ABRIL					11.8	15.1	12.5	13.0	16.6	11.0	21.0	27	9.6	23	95	84	93	91	70	12.4	8.9	10.2	0.7	150.2	117.8	145.5	422.1	27	61.1	22
MAYO					12.2	15.7	13.6	13.8	17.7	11.8	21.9	19	10.5	11	93	84	92	90	80	12.3	8.0	10.6	1.4	63.6	103.3	80.9	250.4	27	33.9	9
JUNIO					12.0	15.7	13.2	13.5	17.4	11.6	19.9	15	10.0	20	94	82	93	90	65	12.9	9.1	10.5	1.2	61.5	93.6	88.5	240.4	24	89.4	3
JULIO					11.4	16.3	12.9	13.3	18.1	10.9	22.0	23	10.0	31	91	88	82	80	62	11.2	6.2	9.2	3.1	0.7	10.7	13.5	24.9	11	9.0	30
AGOSTO					11.0	15.0	12.2	12.6	16.6	10.4	20.0	5	9.5	7	94	76	92	87	55	11.6	7.9	9.6	1.5	52.6	31.0	28.7	112.3	23	34.8	18
SEPTIEMBRE					11.4	15.1	12.3	12.8	16.7	10.9	20.9	13	10.0	7	92	80	88	86	44	11.3	6.6	9.6	2.1	69.7	112.5	46.7	229.3	19	60.4	18
OCTUBRE					10.6	14.1	11.2	11.8	15.4	9.9	18.0	7	8.6	14	94	83	94	90	60	11.4	7.4	9.5	1.6	185.2	121.8	254.9	568.0	30	98.1	4
NOVIEMBRE					10.8	14.9	12.0	12.4	15.9	10.4	19.0	7	9.0	8	95	79	94	89	55	11.6	7.7	9.7	1.5	124.2	54.0	61.6	233.5	21	35.0	6
DICIEMBRE					10.8	15.3	12.7	12.9	16.6	10.3	20.0	23	9.0	7	93	77	92	88	53	11.6	8.2	9.7	1.5	22.8	37.8	4.8	65.4	8	17.9	6
MEDIA ANUAL					11.2	15.4	12.6	13.0	16.9	10.7	20.3	-	9.5	-	93	78	91	88	58	11.8	7.5	9.8	1.7	64.7	63.8	79.4	207.9	238	46.6	-

PRECIPITACION TOTAL: 2.695.1

PRECIPITACION MAXIMA: 98.1 - I - 4

DÍAS LLUVIOSOS: 238

FRECUENCIA DE PRECIPITACION Y TEMPERATURA

AÑO: 1.959

ESTACION: San Palomas.

MESES	PRECIPITACION														TOTAL				TEMPERATURA						
	7 HORAS				14 HORAS				20 HORAS						MÁS DE:		MÍNIMO		MÁXIMO						
	MÁS DE:		MÁS DE:		MÁS DE:		MÁS DE:		MÁS DE:		MÁS DE:		MÁS DE:		MÁS DE:		MÁS DE:		MÁS DE:						
01	10	100	500	01	10	100	500	01	10	100	200	500	01	10	25	50	100	200	500	Abajo de 10 °C	Mínimo	Abajo de 15 °C	Máximo	Abajo de 15 °C	Máximo
ENERO	9	4	-	-	7	3	-	-	20	17	6	2	-	20	18	18	8	7	2	-	18	-	5	4	
FEBRERO	5	3	1	-	4	4	-	-	9	6	-	-	-	13	11	8	6	2	-	-	5	1	-	3	
MARZO	4	1	-	-	9	6	-	-	12	5	1	1	-	15	11	5	4	2	2	-	4	3	4	4	
ABRIL	16	14	5	2	20	13	4	1	25	20	4	3	-	27	26	23	19	16	6	2	2	4	7	4	
MAYO	11	4	2	1	22	12	3	2	21	13	1	1	-	27	20	15	9	6	4	2	-	16	2	10	
JUNIO	14	8	2	1	17	12	3	1	18	9	2	1	1	24	19	13	9	5	3	1	1	13	1	5	
JULIO	3	-	-	-	8	3	-	-	8	4	-	-	-	11	5	3	3	-	-	-	1	2	3	13	
AGOSTO	13	9	1	1	11	7	1	-	17	9	-	-	-	23	18	12	7	3	1	-	15	1	9	4	
SEPTBRE.	12	7	2	2	15	13	4	1	17	12	1	-	-	19	19	16	14	9	2	1	6	2	11	9	
OCTUBRE	19	14	6	2	19	12	2	1	26	23	9	4	1	30	28	25	23	16	8	3	22	-	12	-	
NOVIEMBRE	10	8	6	2	13	10	2	-	13	9	1	-	-	21	18	16	13	9	3	-	12	-	10	2	
DIOSBRE.	6	5	1	-	4	4	2	-	2	1	-	-	-	8	8	7	4	4	-	-	10	-	7	2	
SUMA ANUAL	122	77	26	11	149	99	21	6	188	128	25	13	2	238	201	161	119	79	41	9	96	42	71	60	

FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.

MESES	FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.																								TOTAL
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	
ENERO	2	2	3	2	1	1	2	1	1	1	-	2	4	4	6	9	10	13	7	7	7	4	1	-	20
FEBRERO	2	2	2	3	1	2	1	-	-	1	1	2	2	4	3	4	3	4	4	4	4	2	3	3	15
MARZO	1	-	1	-	-	-	-	1	1	1	-	3	4	7	8	9	5	3	1	1	1	2	1	1	16
ABRIL	8	6	7	7	7	7	3	6	2	4	3	8	14	14	20	17	13	11	9	7	5	4	6	6	27
MAYO	6	5	4	2	3	3	1	3	2	3	5	4	13	14	14	14	8	10	5	4	4	4	4	6	27
JUNIO	5	3	5	3	4	3	2	1	-	1	4	10	9	12	10	6	10	6	6	5	6	4	4	4	25
JULIO	1	-	-	-	-	1	-	-	-	-	3	4	5	5	6	4	2	1	1	1	1	1	-	1	12
AGOSTO	6	6	5	3	3	2	5	4	2	2	2	3	4	7	10	13	8	7	7	6	4	2	4	3	22
SEPTBRE.	6	6	5	7	7	5	3	2	1	1	6	12	14	14	10	8	9	6	4	5	4	6	5	7	19
OCTUBRE	7	8	8	9	9	8	7	9	7	5	7	7	9	14	16	18	14	13	15	14	12	9	5	7	30
NOVIEMBRE	4	6	5	4	4	2	2	3	2	3	1	2	5	10	9	5	6	7	5	3	4	5	5	5	17
SUMA ANUAL	(48	44	45	40	39	34	26	29	18	21	29	55	82	103	114	108	91	82	61	54	48	44	39	43	230)

RESUMEN DE ALGUNAS CARACTERISTICAS DE LA PRECIPITACION

Escritorio: Las Palmas

Año 1.969

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MESES	TOTAL		No. PRECIPITACIONES		CANTIDAD		DURACION			PRECIPITACION MAXIMA				DURACION MAXIMA					
	m. m.	Días	Día	Noche	Total	Total Noche	Día	Noche	Total	m. m.	Durec.	Inlt. Med.	Inlt. Max. 5/m.	Inlt. Max. 1/m.	ht. min.	m. m.	Inlt. Med.	Inlt. Max. 5 min.	Inlt. Max. 1 min. (alt.)
Enero	192.1	20	32	18	50	180.8	44:05'	15:25'	59:30'	41.5	4:00'	0.17	6.2	1.2	5:20'	27.2	0.08	4.0	0.8
Febrero	61.8	13	13	12	25	36.8	14:20'	14:35'	28:55'	12.7	3:40'	0.06	5.0	1.0	3:55'	7.8	0.03	0.6	0.1
Marzo	94.9	15	24	5	29	92.1	23:55'	1:15'	30:10'	39.6	3:55'	0.17	4.0	0.8	3:55'	39.6	0.17	4.0	0.8
Abril	422.1	27	62	33	95	263.3	80:40'	50:40'	131:20'	41.8	6:45'	0.10	4.0	0.8	6:45'	41.8	0.10	4.0	0.8
Mayo	250.4	27	55	25	80	184.2	62:45'	29:45'	92:30'	42.6	6:45'	0.10	2.0	0.4	7:00'	10.0	0.02	0.8	0.2
Junio	240.4	24	50	20	70	182.0	44:10'	28:30'	72:40'	86.0	7:35'	0.19	4.7	0.9	7:35'	86.0	0.19	4.7	0.9
Julio	24.9	11	22	4	26	24.2	14:45'	2:00'	16:45'	5.5	1:50'	0.05	1.2	0.2	1:55'	4.2	0.04	1.1	0.2
Agosto	112.3	23	43	25	68	59.7	41:20'	26:00'	67:20'	34.7	6:00'	0.10	4.0	0.8	6:00'	34.7	0.10	4.0	0.8
Septbre.	229.3	19	43	29	72	159.2	61:10'	44:50'	106:00'	34.1	15:40'	0.04	2.2	0.4	15:40'	34.1	0.04	2.2	0.4
Octbre.	568.0	30	66	41	107	377.7	109:50'	67:45'	175:35'	125.0	27:30'	0.08	5.0	1.0	27:30'	125.0	0.08	5.0	1.0
Novbre.	(185.8	17	24	19	43	96.1	48:15'	32:45'	81:00'	33.7	14:15'	0.04	3.0	0.6	14:15'	33.7	0.04	3.0	0.6
Dicbre.																			
TOTALES	2,382.0	226	434	231	665	1,656.1	543:15'	318:30'	861:45'	497.2	97:55'	XX	XX	XX	99:50'	444.1	XX	XX	XX

DATOS DIARIOS

Estación **MARZAJI**

Mes **ENERO** Año 19 **69**

$\phi = 4^{\circ} 57' N$ $\lambda = 75^{\circ} 43' W$ GR

Altura **1.400 M.**

Días	TEMPERATURAS °C						TENSION DEL VAPOR mm						Humedad Relativa %			BRILLO SOLAR HORAS			PRECIPITACION mm			EVAPORACION mm			VIENTOS							
	7	14	20	Med.	Máx.	Min.	7	14	20	Med.	7	14	20	Med.	7	14	20	MOROSIDAD DECIMOS			Total			7	14	20	7	14	20	7	14	20
1	17.4	23.0	19.8	20.0	25.0	15.0	14.2	14.5	16.7	15.1	96	68	96	87	9.1	2.8	—	—	—	—	—	—	1.2	0.6	1	0.2	1	0.6	1			
2	16.9	24.0	21.0	20.7	27.7	16.8	14.7	13.6	11.2	13.5	12.8	95	50	73	73	4.7	5.7	—	—	—	—	—	—	—	—	—	—	—	—			
3	16.4	26.0	21.4	21.8	29.1	15.3	13.9	13.2	11.3	13.1	12.6	94	40	70	68	7.1	9.0	—	—	—	—	—	—	—	—	—	—	—	—			
4	18.0	27.3	20.4	21.5	28.0	17.6	13.9	13.8	9.7	13.6	12.4	90	36	70	65	7.3	9.0	—	—	—	—	—	—	—	—	—	—	—	—			
5	17.2	26.0	20.6	21.6	29.0	16.0	15.5	12.5	10.0	12.3	12.3	95	35	80	67	6.7	8.2	—	—	—	—	—	—	—	—	—	—	—	—			
6	17.5	28.1	20.8	21.8	29.0	17.4	16.3	14.3	11.3	12.1	12.6	95	40	66	67	7.3	9.4	0.6	—	—	—	—	—	—	—	—	—	—	—			
7	16.6	26.6	21.2	22.0	30.5	15.6	14.5	13.3	10.4	12.5	12.1	94	35	66	65	3.0	9.8	—	—	—	—	—	—	—	—	—	—	—	—			
8	16.8	26.9	21.2	21.5	29.3	16.4	14.9	12.9	9.2	12.3	11.5	90	35	65	65	8.0	7.4	—	—	—	—	—	—	—	—	—	—	—	—			
9	17.6	28.3	20.8	21.9	29.9	16.3	15.1	13.5	10.0	13.8	12.4	90	35	70	65	4.7	9.3	—	—	—	—	—	—	—	—	—	—	—	—			
10	16.8	27.9	21.6	22.0	29.9	16.0	15.0	13.1	9.8	13.4	12.1	91	35	70	65	6.0	9.1	—	—	—	—	—	—	—	—	—	—	—	—			
11	16.8	25.2	20.8	20.9	27.8	16.4	15.3	13.6	13.6	15.5	14.2	95	56	85	79	8.0	2.3	—	—	—	—	—	—	—	—	—	—	—	—			
12	17.2	20.4	18.3	18.6	21.0	16.8	15.1	14.4	16.0	14.0	14.8	90	90	90	93	10.0	—	—	—	—	—	—	—	—	—	—	—	—	—			
13	16.0	22.9	18.3	18.9	23.0	15.4	14.1	13.7	12.5	14.9	13.7	100	60	55	65	9.7	11.1	—	—	—	—	—	—	—	—	—	—	—	—			
14	17.3	23.5	19.0	19.7	24.0	16.7	15.4	14.1	13.1	15.1	14.1	96	60	92	85	10.0	1.2	—	—	—	—	—	—	—	—	—	—	—	—			
15	16.1	21.3	17.8	18.2	21.9	15.4	14.3	13.4	13.2	14.6	13.7	97	70	95	87	10.0	0.2	—	—	—	—	—	—	—	—	—	—	—	—			
16	14.8	26.3	18.8	19.7	27.3	14.0	12.0	13.8	11.4	14.7	13.3	96	44	91	77	7.2	5.5	0.1	—	—	—	—	—	—	—	—	—	—	—			
17	16.8	26.0	18.9	20.2	27.2	15.5	14.1	13.1	12.2	12.8	12.8	91	48	61	73	6.7	5.3	1.3	—	—	—	—	—	—	—	—	—	—	—			
18	18.0	24.7	18.0	19.7	27.3	15.6	14.0	14.0	10.7	13.6	12.8	91	46	88	75	6.0	3.4	—	—	—	—	—	—	—	—	—	—	—	—			
19	16.8	23.9	19.0	19.7	24.1	16.2	14.5	13.8	13.3	13.9	13.7	96	60	85	80	10.0	0.7	—	—	—	—	—	—	—	—	—	—	—	—			
20	16.1	26.8	18.6	20.0	27.6	15.0	13.8	13.0	10.5	12.9	12.1	95	40	80	72	7.3	5.7	0.3	—	—	—	—	—	—	—	—	—	—	—			
21	17.0	25.9	18.6	20.4	27.4	16.1	14.0	13.1	10.9	13.1	12.5	90	44	85	73	6.3	5.6	—	—	—	—	—	—	—	—	—	—	—	—			
22	17.1	22.4	19.2	20.6	27.5	15.5	14.1	14.2	10.7	15.0	13.1	98	40	90	76	7.0	6.4	—	—	—	—	—	—	—	—	—	—	—	—			
23	17.6	22.4	19.7	19.8	24.0	16.9	15.8	15.2	14.5	15.6	15.1	100	72	90	87	9.1	3.1	—	—	—	—	—	—	—	—	—	—	—	—			
24	17.3	26.7	19.2	20.6	27.0	17.0	16.0	14.4	10.5	12.5	12.5	98	40	75	71	6.0	5.8	9.5	0.4	—	—	—	—	—	—	—	—	—	—			
25	17.4	26.0	20.4	21.0	26.8	16.4	15.0	14.2	13.3	14.5	13.1	95	45	80	73	4.7	3.3	—	—	—	—	—	—	—	—	—	—	—	—			
26	18.7	27.0	20.0	21.4	27.5	17.0	16.0	15.5	13.6	12.2	13.1	95	43	70	69	5.3	6.2	4.9	0.3	—	—	—	—	—	—	—	—	—	—			
27	16.3	26.8	19.6	20.6	28.0	15.4	14.0	13.5	9.8	14.0	12.4	94	37	82	72	5.0	9.5	4.0	—	—	—	—	—	—	—	—	—	—	—			
28	15.6	27.4	21.0	21.2	28.5	15.1	13.0	12.3	11.2	12.2	12.2	93	40	70	68	3.0	9.3	—	—	—	—	—	—	—	—	—	—	—	—			
29	18.6	27.8	20.2	21.7	26.0	16.9	15.0	13.6	10.1	13.3	12.3	86	36	75	66	6.0	6.5	0.4	—	—	—	—	—	—	—	—	—	—	—			
30	18.4	28.2	21.0	22.2	28.8	16.9	14.6	13.5	9.7	14.9	12.7	85	34	80	66	3.3	7.0	—	—	—	—	—	—	—	—	—	—	—	—			
31	17.0	28.0	20.2	21.4	29.7	15.0	13.5	13.1	8.6	11.1	10.9	90	30	62	61	2.7	10.6	—	—	—	—	—	—	—	—	—	—	—	—			
Med	17.0	26.0	19.8	20.7	27.2	16.1	14.6	13.7	11.4	13.8	12.9	94	46	80	73	6.7	5.7	2.2	0.1	0.9	3.3	2.0	—	—	—	—	—	—	—			

Precipitación total 101.1 mm.

DATOS DIARIOS

Estación Marañel Mes Febrero Año 1969 $\phi = 4^{\circ} 51' N$ $\lambda = 75^{\circ} 41' WGR$ Altura 1.400 M.

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Día	TEMPERATURAS °C					TENSION DEL VAPOUR mm					Humedad Relativa %			Brillo Solar Horas		PRECIPITACION mm			EVAPORACION mm			VIENTOS									
	7	14	20	Med.	Max.	Min.	Med.	20	14	7	7	14	20	Med.	7	14	20	7	14	20	DIREC. Km./Hora	FUEZA CION	DIREC. Km./Hora	FUEZA CION	DIREC. Km./Hora	FUEZA CION	DIREC. Km./Hora	FUEZA CION			
	7	14	20	Med.	Max.	Min.	Med.	20	14	7	7	14	20	Med.	7	14	20	7	14	20	DIREC. Km./Hora	FUEZA CION	DIREC. Km./Hora	FUEZA CION	DIREC. Km./Hora	FUEZA CION	DIREC. Km./Hora	FUEZA CION			
1	15.6	28.2	20.2	21.0	29.9	14.6	13.0	9.9	8.6	12.4	10.3	75	30	70	58	3.0	9.3	--	--	--	4.1	12	1	02	1	02	1	02	1		
2	17.0	28.0	21.6	22.3	29.0	16.0	13.5	13.4	11.5	14.9	13.3	92	40	78	70	3.0	9.1	--	--	--	1.9	02	1	12	1	02	1	02	1		
3	17.9	28.3	21.4	22.0	29.0	17.0	15.2	14.4	11.3	13.7	13.1	84	40	71	68	6.7	7.5	--	--	--	31.9	0.4	0.2	0.7	1.2	06	1	12	1		
4	17.7	23.8	18.3	20.0	26.0	16.2	15.4	14.6	13.1	14.5	14.1	95	53	83	80	7.3	2.3	31.9	0.4	0.4	0.4	0.4	1.7	02	1	16	1	02	1		
5	17.9	27.0	18.9	20.7	28.0	16.7	15.3	14.4	11.9	15.5	13.9	94	44	93	78	7.3	4.5	0.1	--	--	0.4	0.4	--	--	2.0	06	1	14	1		
6	16.0	25.2	20.6	20.6	27.6	14.8	13.3	13.0	12.1	13.6	12.9	95	90	75	73	6.3	4.2	--	--	--	--	--	--	15.2	1.9	02	1	14	1		
7	18.0	27.3	19.8	21.2	28.0	17.0	15.0	13.1	12.3	15.6	13.7	85	45	80	73	9.0	5.7	--	--	--	--	--	--	1.9	1.9	02	1	14	1		
8	17.4	26.4	20.0	21.3	26.4	15.5	14.7	13.7	13.7	15.0	14.5	96	53	86	78	5.0	4.0	15.2	1.9	--	1.9	1.9	1.4	02	1	04	1	02	1		
9	17.4	26.9	19.5	20.8	28.2	16.4	15.3	14.2	10.8	13.9	12.3	95	41	70	69	5.3	3.8	--	--	--	--	--	--	2.1	06	1	02	1	10	1	
10	17.6	26.8	19.8	21.0	28.7	16.5	15.2	14.2	11.0	15.1	13.4	94	42	88	75	7.0	5.1	--	--	--	--	--	--	2.1	06	1	14	1	02	1	
11	18.2	28.4	21.4	22.4	29.4	17.6	16.4	14.9	11.7	15.3	13.3	95	40	70	68	5.0	8.4	--	--	--	--	--	--	2.1	06	1	14	1	02	1	
12	16.0	26.4	19.1	20.6	27.7	17.5	16.8	15.6	11.0	14.5	13.4	100	50	70	73	6.7	3.2	2.1	0.2	--	1.8	1.8	0.2	1	14	1	02	1	02	1	
13	17.2	27.9	20.8	21.7	28.8	16.2	14.5	13.9	10.1	12.8	12.3	94	36	70	67	4.0	8.6	1.6	--	--	0.2	2.5	06	1	14	1	02	1	02	1	
14	18.0	26.3	20.4	21.3	27.0	17.4	15.3	14.9	12.8	13.5	13.7	96	92	75	74	7.7	3.5	0.2	0.3	--	0.3	2.3	00	0	14	1	06	1	06	1	
15	18.0	26.2	19.0	20.6	27.0	17.6	15.6	14.7	11.5	13.2	13.1	95	45	80	73	4.7	6.2	--	--	--	--	--	--	2.2	12	1	06	1	02	1	
16	18.0	25.0	18.4	20.0	26.1	17.1	16.3	14.9	12.6	15.1	14.2	96	53	95	81	4.3	3.7	--	--	--	--	--	--	1.4	06	1	02	1	02	1	
17	17.7	27.6	19.4	21.0	28.3	16.0	14.6	14.4	11.1	13.7	13.1	94	40	81	72	6.0	6.1	--	--	--	--	--	--	2.2	00	0	14	1	02	1	
18	18.0	28.8	20.8	22.1	29.0	17.4	16.8	14.7	10.4	14.0	13.0	95	35	76	69	7.0	8.4	--	--	--	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8		
19	17.1	28.0	21.0	21.8	28.5	16.9	16.0	14.1	11.3	14.3	13.2	97	40	80	72	5.3	2.5	37.8	--	--	--	--	--	1.7	02	1	06	1	02	1	
20	19.0	27.0	20.3	21.6	28.2	18.0	17.1	15.9	11.9	15.5	14.4	95	44	88	76	7.7	2.6	--	--	--	--	--	--	2.0	06	1	14	1	06	1	
21	18.0	28.4	20.5	21.8	29.0	17.5	16.8	14.7	11.7	12.8	13.1	95	40	71	69	6.0	8.4	--	--	--	--	--	--	2.3	02	1	12	1	06	1	
22	18.0	28.4	19.2	21.2	29.5	16.1	15.5	13.4	11.0	15.4	14.2	95	90	85	77	4.7	1.1	--	--	--	--	--	--	1.4	3.4	2.3	02	1	12	1	
23	18.2	26.0	20.0	21.0	26.6	17.4	16.0	14.6	10.9	14.9	14.2	95	90	85	77	4.7	1.1	--	--	--	--	--	--	3.7	1.8	02	1	14	1	10	1
24	17.8	26.1	19.0	21.0	29.9	17.0	15.6	14.6	10.3	14.8	13.2	95	36	90	74	5.3	5.7	3.7	0.1	0.2	--	--	--	1.8	02	1	14	1	02	1	
25	17.0	26.0	19.1	20.3	27.0	16.2	14.7	14.0	12.2	13.6	13.3	96	48	83	76	5.3	3.9	8.7	--	--	--	--	--	1.7	06	1	14	1	02	1	
26	18.7	27.4	21.3	22.2	29.6	17.2	16.1	15.7	11.2	14.4	13.8	96	40	76	71	5.0	6.4	--	--	--	0.5	0.5	0.5	0.5	2.5	02	1	14	1	06	1
27	19.0	28.9	21.8	22.9	30.0	17.8	16.4	14.8	10.1	14.8	13.2	90	34	76	67	6.7	6.7	--	--	--	--	--	--	2.6	06	1	02	1	10	1	
28	18.3	26.1	20.2	21.2	28.5	16.5	14.7	13.6	11.3	13.6	12.8	86	45	76	69	5.7	5.5	--	--	--	--	--	--	2.6	06	1	02	1	06	1	
29																															
30																															
31																															
Med	17.8	27.2	20.0	21.3	28.3	16.8	15.4	14.3	11.6	14.0	13.3	93	43	80	72	5.8	5.6	3.6	0.1	0.1	3.8	3.8	3.8	3.8	2.2	--	--	--	--	--	

Precipitación total : 106.9 mm.

DATOS DIARIOS

Estación Marandol Mes Marzo Año 1969 $\phi = 4^{\circ} 57' N$ $\lambda = 75^{\circ} 41' W.G.R.$ Altura 1,400 M.

Días	TEMPERATURAS					TENSION DEL VAPOR					Humedad Relativa %			Nubosidad Medios Horas	PRECIPITACION m m				EVAPORACION				VIENTOS											
	7	14	20	Med.	Max.	Min.	Mínima Sucho	7	14	20	Med.	7	14		20	Med.	7	14	20	Total	7	14	20	Total	7	14	20	Total						
																													DIREC. CION	FUERZA Km./Hor	DIREC. CION	FUERZA Km./Hor	DIREC. CION	FUERZA Km./Hor
1	20.0	23.0	20.6	21.0	27.0	18.5	17.4	15.8	12.6	14.5	14.3	90	60	80	77	6.0	77	6.0	1.4	--	--	--	12.5	1.8	0.2	1	12	1	0.2	1				
2	17.8	21.8	18.6	19.2	23.0	17.5	16.4	14.8	14.7	14.7	14.7	97	75	92	88	8.7	--	--	--	--	--	--	2.7	2.5	0.2	1	10	1	0.4	1				
3	17.6	26.4	19.8	20.9	27.0	15.2	14.6	14.5	12.6	13.5	13.5	96	48	78	74	6.0	6.1	--	--	--	--	--	--	2.2	0.6	1	10	1	0.2	1				
4	18.0	24.6	19.6	20.4	25.6	16.7	15.8	14.0	12.4	15.4	13.9	91	53	90	78	7.7	--	--	--	--	--	--	--	--	--	--	1.7	0.2	1	14	1	0.6	1	
5	17.9	28.0	21.8	22.4	29.0	17.1	15.8	15.0	10.4	13.6	12.9	98	35	70	68	3.0	--	--	--	--	--	--	--	--	--	--	2.7	0.2	1	10	1	0.2	1	
6	18.6	29.0	22.0	22.9	30.3	17.0	15.7	14.5	10.5	11.9	12.3	91	35	60	62	6.7	8.1	--	--	--	--	--	--	--	--	3.8	0.6	1	14	1	1.2	1		
7	18.5	29.3	21.7	22.8	30.0	17.4	15.7	14.5	10.5	13.6	12.9	92	38	70	67	5.3	2.2	--	--	--	--	--	--	--	--	4.0	0.4	1	10	1	0.2	1		
8	18.6	29.2	22.8	23.4	30.4	17.6	15.8	14.9	12.0	14.7	13.9	92	38	70	67	5.3	2.2	--	--	--	--	--	--	--	--	3.2	0.2	1	10	1	0.2	1		
9	17.8	29.4	22.0	22.7	30.9	16.3	14.6	13.0	13.1	13.8	13.3	88	42	70	67	4.0	7.3	--	--	--	--	--	--	--	--	3.2	0.2	1	0.6	1	0.2	1		
10	19.2	31.2	23.2	24.2	31.2	18.7	16.9	14.4	13.7	15.3	14.5	87	40	71	66	6.3	6.7	--	--	--	--	--	--	--	--	3.7	0.6	1	0.2	1	0.2	1		
11	19.8	28.7	22.7	23.5	29.5	19.5	18.2	15.7	12.1	14.9	14.2	91	40	71	67	7.1	--	--	--	--	--	--	--	--	--	3.5	0.4	1	0.6	1	0.6	1		
12	18.6	26.5	21.4	22.0	27.4	17.9	16.5	15.2	12.8	13.5	13.8	94	48	71	71	7.3	1.2	--	--	--	--	--	--	--	--	2.3	0.1	1	0.4	1	1.0	1		
13	18.4	23.4	17.7	19.3	26.2	18.0	17.5	15.7	12.0	14.2	14.0	99	56	93	83	8.3	0.5	--	--	--	--	--	--	--	--	0.9	2.2	0.8	1	0.2	1	0.2	1	
14	17.8	26.9	19.9	21.1	28.0	16.0	15.0	14.2	10.5	13.5	12.7	93	40	78	70	7.0	3.0	--	--	--	--	--	--	--	--	--	1.5	0.2	1	0.6	1	0.2	1	
15	18.0	27.3	20.7	21.7	28.5	17.0	16.1	14.0	9.4	14.7	12.7	91	35	60	64	7.3	4.5	--	--	--	--	--	--	--	--	2.5	0.6	1	0.2	1	0.2	1		
16	18.6	30.1	22.2	23.3	30.9	17.5	15.5	12.9	9.6	11.2	11.2	80	30	56	55	6.0	8.9	--	--	--	--	--	--	--	--	3.6	1.0	1	10	1	0.4	1		
17	16.5	30.4	20.9	22.2	31.0	15.5	13.7	11.6	9.3	13.3	11.4	83	28	72	61	3.0	8.7	--	--	--	--	--	--	--	--	3.8	0.6	1	14	1	0.2	1		
18	18.4	26.6	19.6	21.0	27.5	17.2	15.8	13.9	12.8	14.8	13.8	88	48	87	74	7.0	2.7	--	--	--	--	--	--	--	--	1.2	0.6	1	0.6	1	1.2	1		
19	18.0	28.4	22.2	22.7	28.7	16.3	15.4	13.8	11.7	12.0	12.5	90	40	60	63	7.0	2.8	--	--	--	--	--	--	--	--	1.9	0.6	1	0.2	1	0.6	1		
20	17.6	28.9	20.0	21.6	30.5	15.9	13.8	13.1	11.3	14.2	12.9	87	38	81	69	7.3	3.7	--	--	--	--	--	--	--	--	1.3	1.3	3.3	0.6	1	0.6	1		
21	18.4	26.2	20.0	21.2	30.0	16.0	14.5	14.4	12.4	14.9	13.9	91	48	85	75	9.0	2.9	--	--	--	--	--	--	--	--	0.9	0.9	2.0	0.6	1	0.6	1		
22	18.0	26.4	22.0	22.1	28.6	17.0	16.3	14.9	13.0	13.6	13.6	96	50	66	71	8.7	3.0	--	--	--	--	--	--	--	--	1.1	2.2	0.6	1	0.6	1	0.2	1	
23	19.2	29.1	22.8	23.5	30.1	18.0	16.7	15.6	12.1	16.5	14.7	94	40	79	71	6.0	3.6	--	--	--	--	--	--	--	--	1.5	1.5	1.9	0.2	1	1.2	1		
24	18.6	28.2	21.8	22.6	30.0	18.5	17.2	15.2	10.0	12.4	12.5	94	35	63	64	5.7	2.9	--	--	--	--	--	--	--	--	2.3	0.4	1	14	1	0.2	1		
25	19.1	20.5	19.6	19.7	24.8	18.5	17.3	14.5	13.3	14.9	14.9	88	85	88	87	8.0	1.3	--	--	--	--	--	--	--	--	20.1	1.2	0.2	1	0.6	1	0.6	1	
26	18.9	28.5	19.4	21.6	29.3	17.5	16.1	15.4	9.9	14.1	13.1	94	34	84	71	6.7	4.7	--	--	--	--	--	--	--	--	2.1	2.1	1.8	0.2	1	0.2	1		
27	17.1	28.9	19.7	21.5	29.9	16.5	14.8	13.8	12.1	15.6	13.8	91	40	90	74	7.3	4.2	--	--	--	--	--	--	--	--	2.4	1.6	1.8	0.2	1	1.4	1		
28	18.2	26.9	20.9	22.0	28.3	17.8	16.7	15.4	11.0	16.4	14.3	98	42	90	77	7.0	4.6	14.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
29	18.0	26.6	21.6	22.0	28.4	18.0	17.4	14.9	12.8	11.6	13.1	96	48	60	68	7.7	3.4	--	--	--	--	--	--	--	--	--	1.7	0.0	0	14	2	0.4	1	
30	17.6	28.0	21.6	22.2	29.0	16.5	16.0	14.5	11.3	15.7	13.8	96	40	81	72	5.7	6.3	26.7	--	--	--	--	--	--	--	--	5.3	2.8	0.2	1	1.2	1	0.2	1
31	19.2	27.9	18.8	21.2	28.5	18.2	16.5	15.6	11.1	15.5	14.1	94	40	95	76	6.3	2.2	--	--	--	--	--	--	--	--	10.2	10.0	1.2	0.6	1	1.0	1	0.6	1
Med.	18.3	27.3	20.9	21.8	28.7	17.3	16.0	14.5	11.8	14.1	13.4	92	44	77	71	6.8	3.8	2.0	0.7	0.6	3.3	2.3	--	--	--	--	--	--	--	--	--	--	--	--

Precipitación total = 103.4 mm.

DATOS DIARIOS

Estación P A R A N A J A I M e s A B R I L Año 19 6 9 φ 40 51' N λ 79 41' W O R Altura 1.4 0 0 M.

Table with columns: Días, TEMPERATURAS (7, 14, 20 Med, Máx, Min, Mínima Solo), TENSIÓN DEL VAPOR (7, 14, 20 Med), Humedad Relativa (7, 14, 20 Med), NUBESIAS DECIMOS, Bata Solar Horas, PRECIPITACION (7, 14, 20, Total), EVAPORACION (7, 14, 20), VIENTOS (7, 14, 20 DIRECCION FUERZA Km. Hora).

Precipitación total : 252.3 mm.

DATOS DIARIOS

Estación Paraná del Mes Mayo Año 1969 $\phi = 40^{\circ} 51' N$ $\lambda = 75^{\circ} 41' WGR$ Altura 1.400 M.

Días	TEMPERATURAS						TENSION DEL VAPOR			Humedad Relativa			NEBULOSIDAD	Brillo Solar Horas	PRECIPITACION			EVAPORACION			VIENTOS											
	7	14	20	Med.	Máx.	Mín.	Milímetros Suelo	7	14	20	Med.	7			14	20	Total	7	14	20	Dirección	Fuerza	7	14	20	Dirección	Fuerza					
																												mm	%	mm	mm	mm
1	19.4	25.2	21.0	21.6	26.3	17.2	16.2	15.2	13.3	17.7	15.4	90	55	95	80	8.3	1.8	26.5	---	---	1.6	1.1	1.4	1	04	1	06	1				
2	19.2	27.0	19.6	21.4	28.0	18.4	17.5	16.3	13.4	15.4	15.0	98	50	90	79	6.7	5.0	1.6	---	---	4.4	9.0	---	1.6	02	1	14	1				
3	17.3	25.2	21.0	21.1	26.3	16.7	16.0	14.1	13.6	16.7	14.8	96	56	90	81	7.0	3.7	4.6	---	---	---	---	---	1.6	06	1	02	1				
4	18.6	25.8	19.4	20.8	28.0	17.3	15.5	15.3	13.3	16.9	14.9	93	53	95	81	9.0	2.0	---	---	---	1.7	0.2	14.0	1.1	02	1	02	1				
5	18.4	27.0	19.0	20.8	28.0	17.4	16.7	15.6	9.5	13.2	12.8	98	36	80	71	9.0	4.1	12.1	---	---	---	---	---	2.0	16	1	16	1				
6	18.4	25.9	21.0	21.6	27.0	15.0	13.5	11.4	14.0	15.1	13.5	72	56	81	70	8.7	6.7	---	---	---	---	---	---	2.4	06	1	02	1				
7	17.9	27.1	21.4	22.0	28.0	16.8	15.4	14.2	14.2	16.2	14.9	93	53	85	77	7.0	3.1	---	---	---	---	---	---	10.1	21.9	2.0	04	1				
8	18.0	23.6	20.8	20.8	25.8	15.4	14.5	14.7	15.4	16.4	15.2	91	70	90	85	7.3	3.1	11.8	---	---	---	---	---	9.0	1.3	02	1	12	1			
9	18.4	19.7	17.8	18.4	23.0	18.0	17.5	15.4	15.6	14.6	15.2	97	90	95	94	10.0	---	9.0	19.1	1.5	28.7	0.8	00	0	06	1	02	1				
10	17.5	23.6	19.4	20.0	24.7	16.8	16.0	14.7	13.5	16.1	14.8	98	63	95	85	8.7	0.6	8.1	3.6	1.6	5.2	1.0	02	1	04	1	02	1				
11	18.0	27.4	20.6	21.6	28.8	16.3	15.0	15.6	11.2	15.9	14.2	100	40	88	76	5.3	6.9	---	---	---	---	---	---	0.7	2.0	12	1	06	1			
12	19.0	28.7	21.8	22.8	29.4	17.9	16.3	15.9	12.9	14.2	14.3	96	53	73	71	6.3	9.0	0.7	---	---	---	---	---	12.3	2.8	06	1	14	1			
13	18.8	23.9	20.7	21.0	25.6	17.8	16.1	14.7	16.6	15.5	15.6	91	75	85	84	10.0	3.9	12.3	---	---	---	---	---	0.3	22.6	1.5	00	0				
14	17.8	22.0	19.1	19.5	22.7	17.6	17.3	15.0	15.8	15.7	15.5	98	80	95	91	10.0	---	22.3	14.4	---	---	---	---	---	9.8	02	1	06	1			
15	17.1	25.0	19.8	20.4	25.4	16.5	16.0	14.0	11.9	15.0	13.6	96	50	90	79	6.7	2.4	---	---	---	---	---	---	---	1.4	02	1	04	1			
16	18.0	26.1	19.9	21.0	28.0	17.1	16.5	14.7	13.9	15.6	14.7	95	55	90	80	6.3	4.1	---	---	---	---	---	---	---	1.6	02	1	16	1			
17	18.8	23.1	20.6	20.9	26.0	17.6	17.0	15.5	13.4	16.2	15.0	95	61	90	82	6.7	2.7	0.3	0.1	---	---	---	---	0.7	1.6	02	2	06	1			
18	18.8	26.5	20.0	21.3	27.3	18.3	17.5	15.7	17.1	14.9	15.9	96	65	85	82	7.0	4.4	0.6	---	---	---	---	---	---	1.8	1.9	02	1	02	1		
19	17.7	25.0	21.4	21.4	26.8	17.0	16.1	14.7	13.8	15.3	14.6	96	58	80	78	8.3	4.8	1.8	---	---	---	---	---	---	---	2.0	02	1	02	1		
20	18.4	27.9	20.0	21.6	28.2	16.0	14.9	14.2	13.0	14.1	13.8	90	46	80	72	6.9	---	---	---	---	---	---	---	---	---	---	2.7	2.2	06	1	12	1
21	18.0	21.0	19.0	19.2	23.6	16.9	15.7	14.7	16.7	15.7	15.7	92	90	95	93	8.7	2.6	2.7	4.9	0.2	5.1	1.0	02	1	06	1	02	1				
22	17.2	25.0	20.0	21.0	27.2	14.8	13.8	13.2	14.2	15.8	14.4	90	60	86	79	6.3	5.8	---	---	---	---	---	---	---	14.5	1.7	06	1	14	1		
23	18.1	24.8	20.2	20.8	26.5	17.6	17.0	15.4	15.1	16.4	15.6	98	65	93	85	8.7	2.0	14.5	---	---	---	---	---	---	1.5	02	1	02	1			
24	20.0	27.5	21.4	22.6	29.1	17.8	17.0	16.2	12.0	13.3	13.8	93	44	70	69	4.7	8.6	---	---	---	---	---	---	---	2.8	06	1	02	1			
25	17.9	27.6	21.0	21.9	28.9	16.0	15.0	14.2	14.2	14.0	14.1	94	51	75	73	4.7	8.8	---	---	---	---	---	---	---	6.5	2.8	02	1	06	1		
26	19.8	25.9	20.0	21.4	27.0	18.6	17.0	16.2	14.1	15.3	15.2	94	57	88	80	8.3	0.4	6.5	---	---	---	---	---	---	---	---	2.0	00	0			
27	18.7	25.0	21.0	21.4	27.4	16.4	15.3	13.7	16.8	16.0	15.5	85	71	88	81	7.0	4.2	1.1	0.2	1.5	2.1	06	1	02	1	02	1					
28	19.0	26.3	21.0	21.8	27.3	18.0	17.3	15.7	12.8	16.7	15.1	95	60	90	82	8.0	3.2	0.2	---	---	---	---	---	---	---	1.8	00	0				
29	18.5	25.8	20.0	21.1	26.7	17.9	16.9	15.3	14.5	15.8	15.2	95	58	90	81	7.0	2.3	3.5	---	---	---	---	---	---	---	1.4	06	1	02	1		
30	19.6	27.2	20.6	22.0	27.4	17.3	16.2	15.6	11.6	14.7	13.9	90	42	81	71	7.7	5.4	---	---	---	---	---	---	---	---	2.0	00	0				
31	19.0	25.0	20.6	21.3	26.1	17.6	16.5	15.9	14.2	16.2	15.4	96	60	90	82	9.0	1.0	5.1	0.3	0.2	40.7	1.3	02	1	06	1	04	1				
Med.	18.4	25.4	20.3	21.1	26.7	17.1	16.1	14.9	13.9	15.5	14.8	94	58	87	80	7.7	3.8	4.9	1.4	0.6	7.4	1.7	---	---	---	---	---	---	---	---		

DATOS DIARIOS

Estación MARANGAL Año 1969 $\phi = 4^{\circ} 57' N$ $\lambda = 75^{\circ} 41' W$ GR. Altura 1.400 M.

Días	TEMPERATURAS					TENSIÓN DEL VAPOUR			Humedad Relativa %			HUBOSIDAD DECIMOS	Brillo Solar Horas	PRECIPITACION mm			EVAPORACION mm	VIENTOS															
	Med.		Max.	Min.	Húmda Suelto	7	14	20	Med.	7	14			20	Total	7		14	20	DIREC CION	FM/Hora	7	14	20	DIREC CION	FM/Hora							
	7	14	20	7	14	20	7	14	20	7	14			20	7	14		20	DIREC CION	FM/Hora	7	14	20	DIREC CION	FM/Hora								
1	18.0	23.4	20.4	20.4	24.8	16.8	16.0	14.9	12.9	16.4	14.7	96	60	94	83	9.1	1.6	40.2	0.6	0.7	1.1	0.2	1	12	1	0.6	1						
2	18.6	17.8	19.2	18.7	26.2	17.0	15.6	14.4	14.2	16.1	14.9	90	93	96	93	8.3	5.5	0.1	11.7	0.9	13.2	1.6	0.6	1	0.2	1	0.6	1					
3	18.5	21.7	18.0	19.0	23.3	17.8	16.4	15.4	17.5	14.7	15.9	96	90	95	94	8.3	0.5	0.6	1.7	10.2	23.0	0.8	0.2	1	14	1	0.6	1					
4	17.3	24.7	18.9	20.0	25.4	16.5	16.0	14.4	14.0	14.6	14.3	98	60	90	83	9.0	3.6	11.1	—	—	0.1	1.0	0.6	1	10	1	0.6	1					
5	18.8	25.9	19.2	20.8	26.2	17.4	16.6	15.7	13.7	16.1	15.2	96	55	96	82	6.7	3.8	0.1	0.5	—	0.5	1.2	0.2	1	10	1	0.2	1					
6	17.5	27.3	20.0	21.2	28.8	16.2	14.5	13.1	13.5	16.6	14.4	88	90	95	78	6.3	6.4	—	—	—	—	1.8	0.4	1	14	1	0.2	1					
7	17.7	23.0	20.0	20.2	25.3	16.0	15.0	14.7	13.2	16.2	15.6	96	75	93	88	5.7	1.8	—	0.3	—	0.3	1.4	0.6	1	0.2	1	0.6	1					
8	18.0	26.8	20.1	21.2	28.4	17.4	16.2	14.7	13.2	16.8	14.9	95	90	95	80	7.0	7.0	—	0.1	6.2	6.3	2.2	0.2	1	0.6	1	0.2	1					
9	18.8	20.6	18.4	19.0	26.4	17.7	16.3	15.7	15.9	15.1	15.6	96	88	95	93	9.0	3.8	—	1.5	0.1	34.9	1.9	0.2	1	0.4	1	0.6	1					
10	18.4	26.0	19.3	20.8	27.9	16.8	16.0	16.0	10.0	15.0	13.7	100	40	90	77	7.3	4.0	33.3	—	—	—	1.6	0.0	0	0.6	1	0.2	1					
11	18.4	26.0	19.3	20.8	27.9	16.8	16.0	16.0	10.0	15.0	13.7	100	40	90	86	7.5	7.0	5.0	—	—	—	1.7	1.6	1	0.2	1	1.2	1					
12	19.0	27.0	20.0	21.5	28.7	17.0	15.3	14.8	13.4	15.0	14.4	90	90	90	60	8.5	7.8	6.1	4.1	—	—	2.0	1.2	1	0.2	1	1.2	1					
13	19.6	23.0	19.1	20.2	26.6	17.2	16.5	15.4	12.6	13.9	14.0	90	60	85	78	6.7	4.1	—	—	—	—	2.0	1.4	1	0.6	1	0.2	1					
14	17.0	25.0	19.3	20.2	28.2	15.8	14.8	14.0	11.9	15.0	13.6	96	50	90	79	5.7	5.9	—	—	0.4	0.4	1.7	0.2	1	0.4	1	1.2	1					
15	18.0	26.2	20.4	21.2	26.4	15.8	14.6	13.8	14.0	13.7	13.8	90	55	76	74	7.7	4.9	—	—	—	—	2.2	0.6	1	0.4	1	0.2	1					
16	18.5	24.8	20.1	20.9	28.0	17.4	15.9	15.0	14.4	15.3	14.9	93	62	88	81	7.3	4.6	—	0.3	—	—	2.1	0.2	1	0.2	1	0.6	1					
17	17.0	26.8	21.0	21.4	28.6	15.5	14.0	12.7	12.0	14.9	13.2	88	45	80	71	8.0	5.4	—	—	—	—	2.7	0.2	1	1.4	1	1.4	1					
18	19.0	23.6	20.0	20.6	28.0	17.6	17.0	15.5	15.5	15.8	15.6	94	70	90	85	8.7	4.7	—	—	—	—	2.5	0.9	0.5	1.4	1.2	0.2	1	0.2	1			
19	18.5	24.0	19.6	20.4	27.4	17.4	16.8	15.4	14.6	15.4	15.1	96	65	90	84	8.0	1.9	—	—	—	—	1.8	0.4	1	1.4	1	0.2	1	0.2	1			
20	18.0	25.8	20.3	21.1	26.5	15.8	14.7	14.9	13.7	15.2	14.6	96	55	86	79	7.7	5.4	—	—	—	—	22.5	1.8	0.4	1	0.2	1	0.2	1				
21	17.4	24.8	19.6	20.4	25.0	16.0	14.4	14.2	16.6	15.4	15.4	96	70	90	85	7.3	1.4	22.5	0.3	—	—	0.3	1.2	0.6	1	0.2	1	0.2	1				
22	18.0	26.0	20.6	21.3	28.5	15.8	14.7	14.7	14.2	16.2	14.4	95	48	90	78	6.3	7.3	—	—	—	—	2.6	2.3	0.2	1	0.2	1	0.6	1				
23	18.2	27.7	21.0	22.0	28.6	17.7	16.5	15.1	13.1	13.1	13.1	96	40	71	69	7.7	8.2	2.6	—	—	—	2.4	0.6	1	1.2	1	0.2	1	0.2	1			
24	18.1	26.3	20.2	21.2	28.0	17.0	16.1	14.9	12.8	16.0	14.6	96	48	91	78	8.0	3.6	—	0.2	—	—	0.2	1.6	0.2	1	0.6	1	0.6	1				
25	18.6	26.4	18.6	20.6	27.4	18.0	16.5	16.1	14.2	14.1	14.8	100	55	90	82	8.3	3.0	—	—	—	—	1.6	1.2	1	1.4	1	0.6	1	0.6	1			
26	18.2	22.7	20.0	20.2	27.5	16.9	15.3	14.8	14.8	14.9	13.4	14.4	94	71	76	80	7.3	4.6	—	—	—	—	42.4	2.0	0.6	1	0.8	1	1.0	1			
27	17.0	23.9	18.4	19.4	25.0	16.6	15.9	14.2	13.3	13.9	13.8	98	60	88	82	8.0	0.3	42.4	—	—	—	—	1.2	0.6	1	1.4	1	0.6	1	0.6	1		
28	17.1	25.3	21.0	21.1	27.4	16.2	15.0	14.0	10.7	15.6	13.9	96	50	84	77	7.0	4.1	—	—	0.2	0.2	1.6	0.6	1	0.2	1	0.2	1	0.6	1			
29	17.7	27.0	21.2	21.8	29.0	16.8	16.0	14.4	10.7	15.1	13.4	96	40	80	72	7.3	7.2	—	—	—	—	2.2	0.2	1	1.0	1	0.2	1	0.2	1			
30	18.0	25.6	19.0	20.4	27.0	17.2	15.8	14.6	13.8	14.9	14.4	94	56	91	80	7.3	3.0	—	—	—	—	0.4	0.4	1.4	0.0	0	0.2	1	0.6	1			
31																																	
Med.	18.1	24.8	19.7	20.6	26.9	16.8	15.7	14.7	13.6	15.2	14.5	94	59	88	81	7.6	2.9	5.2	0.6	0.6	5.1	1.7	—	—	—	—	—	—	—	—	—	—	

Precipitación total : 158.2 mm.

Temp. Solar

DATOS DIARIOS

Estación: MARIJEL Mes: JULIO Año 1969 φ = 40° 57' N λ = 75° 41' WGR Altura: 1.400 M.

Table with columns: Días, TEMPERATURA (7, 14, 20, Med., Mx., Min., Mínima Suelo), TENSION DEL VAPOR (7, 14, 20, Med.), Humedad Relativa (7, 14, 20, Med.), NUBOSIDAD (DECI, HORAS), PRECIPITACION (7, 14, 20, Total), EVAPORACION, VIENTOS (7, 14, 20: DIRECCION, FUERZA, Km./Hora).

Precipitación total: 65.2 m.m.

DATOS DIARIOS

Estación Naranjal

Mos

Agoosto

Año 1969

☉ - 4° 57' N

☉ - 75° 41' W GR

Altura 1.400 M.

Main data table with columns: TEMPERATURA (7, 14, 20 Med, Máx, Mín), HUMEDAD DEL VAPOR (7, 14, 20 Med, in m), HUMEDAD RELATIVA (7, 14, 20 Med, %), NUBESIDAD (DECIPOS, HORAS), PRECIPITACION (7, 14, 20 Total, m m), EVAPORACION, VIENTOS (7, 14, 20 DIRECCION, FUERZA, Km/Hora).

Precipitación total: 323.2 mm.

DATOS DIARIOS

Estación Mariscal Mes Septiembre Año 1969 $\phi = 4^{\circ} 57' N$ $\lambda = 75^{\circ} 41' WGR$ Altura 1.400 M

Días	TEMPERATURAS $^{\circ}C$					TENSION DEL VAPOR mm					Humedad Relativa %			# HORAS DE NEBLINA	Brillo Solar Horas	PRECIPITACION mm			EVAPORACION mm			VIENTOS													
	7		14		20	7		14		20	7	14	20			7	14	20	7		14		20		7		14		20						
	Máx.	Mín.	Mínima Suelo	Máx.	Mín.	Máx.	Mín.	Máx.	Mín.	Máx.	Mín.	Máx.	Mín.			Máx.	Mín.	Máx.	Mín.	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA				
1	18.1	25.2	20.1	20.9	25.8	16.5	15.5	14.9	12.5	14.1	13.8	96	52	80	76	8.7	2.8	5.3	—	3.1	18.0	1.1	00	0	02	1	02	1							
2	18.8	25.3	18.2	20.1	26.2	16.3	15.0	14.9	14.0	12.6	13.8	92	58	81	77	4.3	5.5	14.9	—	0.6	0.6	1.7	06	1	02	1	06	1							
3	18.1	26.8	20.0	21.2	28.0	15.4	13.6	13.6	9.5	12.2	11.8	90	36	70	65	4.7	8.0	—	—	—	—	2.6	06	1	16	1	04	1							
4	19.7	28.2	20.2	22.1	29.0	17.2	15.1	14.0	11.5	11.4	12.3	81	40	65	62	4.3	7.8	—	—	—	—	3.0	06	1	14	1	02	1							
5	18.2	27.8	22.2	22.6	29.0	14.7	13.2	13.6	12.5	14.1	13.4	86	45	70	67	4.3	9.3	—	—	—	—	—	—	3.0	02	1	16	1	02	1					
6	19.1	25.0	17.8	19.9	26.0	17.5	16.8	14.8	14.2	14.4	14.5	90	60	94	81	7.3	14.7	—	—	—	—	1.9	02	1	04	1	02	1							
7	16.8	25.5	20.8	21.0	26.9	16.2	14.6	12.9	12.2	14.7	13.3	90	50	80	73	8.3	2.1	—	—	—	—	—	—	1.7	06	1	12	1	02	1					
8	17.8	28.0	21.0	22.0	29.4	15.2	13.6	13.9	9.4	15.7	13.0	92	33	85	70	4.0	9.8	—	—	—	—	—	—	3.6	2.4	04	1	16	1	04	1				
9	18.2	28.0	22.4	22.8	28.5	17.9	17.2	15.1	12.7	14.3	14.0	96	44	70	70	6.1	6.6	3.6	—	—	—	—	—	—	—	—	—	—	—	—	—				
10	19.0	27.8	21.6	22.5	28.6	17.3	16.0	15.0	13.5	12.1	13.5	90	45	75	70	8.3	4.2	—	—	—	—	—	—	1.9	04	1	04	1	02	1					
11	18.4	27.6	20.9	22.0	28.6	17.3	16.0	15.0	13.5	12.1	13.5	94	48	66	69	4.3	7.6	3.9	—	—	—	—	—	2.8	06	1	02	1	06	1					
12	18.1	27.9	21.6	22.1	29.3	15.3	14.0	13.8	10.1	12.6	12.2	90	36	65	64	3.0	8.0	—	—	—	—	—	—	2.9	06	1	14	1	02	1					
13	18.0	28.6	21.6	22.4	30.0	16.0	14.4	11.6	9.0	11.2	10.6	75	30	58	54	4.3	9.4	—	—	—	—	—	—	3.7	06	1	04	1	02	1					
14	17.7	28.4	21.4	22.2	29.4	16.2	15.0	13.4	8.8	11.5	11.2	88	30	60	59	3.7	9.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
15	19.0	27.6	21.4	22.4	28.0	17.9	16.8	15.2	12.8	15.1	14.4	98	46	79	73	5.7	2.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
16	19.6	25.9	17.6	20.2	26.5	17.6	15.8	15.5	15.9	14.6	15.3	91	50	97	79	9.7	1.3	0.2	—	—	—	—	—	2.8	2.8	1.1	02	1	06	1	02	1			
17	17.7	22.0	19.6	19.7	25.3	16.2	15.4	14.4	15.8	13.7	14.6	94	80	80	85	8.0	3.3	—	—	—	—	—	—	0.7	0.1	19.2	1.2	02	1	06	1	06	1		
18	17.5	22.0	19.4	19.6	24.0	16.8	14.9	14.7	14.9	14.3	14.6	97	75	85	86	2.7	1.1	18.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
19	17.3	19.7	18.0	18.2	20.6	16.7	16.0	14.4	15.1	13.1	14.2	97	88	85	90	9.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
20	17.0	21.0	17.6	18.3	24.0	15.0	14.2	13.8	13.0	13.2	13.3	95	70	88	84	7.0	1.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
21	17.4	23.0	17.6	18.9	25.4	17.0	16.4	14.2	11.6	13.2	13.1	95	56	88	80	7.3	2.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
22	17.4	24.7	18.0	19.5	25.6	16.8	16.0	14.2	11.8	12.5	12.8	95	50	81	75	7.3	0.6	26.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
23	16.9	27.1	18.8	20.4	28.4	15.6	13.2	13.4	10.7	13.1	12.4	93	40	60	71	5.3	5.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
24	16.9	25.2	17.6	19.1	26.0	15.1	13.9	13.2	13.0	13.8	12.7	92	46	92	77	7.3	1.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
25	16.3	25.7	19.2	20.1	26.0	14.1	12.6	13.3	10.9	14.7	13.0	96	44	88	76	8.7	2.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
26	18.2	24.0	18.4	19.8	25.0	17.0	16.3	14.9	12.9	14.2	13.7	95	53	90	79	7.0	1.8	19.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
27	18.0	24.1	19.6	20.3	26.0	16.0	15.3	14.9	9.8	14.4	13.1	96	44	85	75	9.0	5.7	1.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
28	17.0	26.8	20.5	21.2	27.4	16.3	15.0	13.7	13.2	15.3	14.1	94	50	85	76	9.3	3.8	10.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
29	17.3	22.0	18.0	18.8	23.0	16.6	15.5	14.4	13.8	13.6	13.9	97	70	90	86	9.3	0.1	10.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
30	17.2	27.4	21.0	21.6	27.5	16.6	15.0	14.1	11.2	14.0	13.1	96	40	74	70	5.7	7.2	0.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
31	17.9	25.6	19.7	20.7	26.8	16.3	15.1	14.1	12.2	13.6	13.3	92	50	80	74	6.7	4.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Med.																																			

DATOS DIARIOS

 Estación U. F. S. S. J. S. L.

 Mes o c t u b r e

 Año 19 6 9
 $\phi = 4^{\circ} 51' N$ $\lambda = 75^{\circ} 41' W$ GBR

 Altura 1.400 M.

Días	TEMPERATURAS				TENSION DEL VAPOR				Humedad Relativa %			Nubosidad Medios Horas	PRECIPITACION			VIENTOS																			
	Med.		Máx. Min.		Mm. Suelo		Med.		7 14 20		7 14 20		7 14 20		7 14 20		7 14 20																		
	7	14	20	Med.	Máx.	Min.	Mm. Suelo	7	14	20	Med.		7	14	20	Total	DIRECCION	FUERZA	DIRECCION	FUERZA															
1	16.6	18.9	17.3	17.5	20.2	15.6	13.4	14.6	13.9	14.0	95	90	94	93	10.0	0.5	16.9	7.3	—	7.4	0.6	10	1	16	2	10	2								
2	17.1	22.2	19.7	19.7	25.0	15.5	13.6	13.8	14.1	15.6	145.5	95	70	90	85	9.7	1.3	0.1	0.1	23.6	1.1	0.4	1	0.6	1	0.4	1	0.4	1						
3	18.0	22.8	17.6	19.0	23.5	16.4	15.3	15.0	14.7	14.2	144.6	97	70	94	86	10.0	1.2	21.2	—	7.6	9.2	1.2	0.4	1	0.6	1	0.4	1	0.4	1					
4	18.1	23.0	18.2	19.4	24.5	16.5	15.2	14.9	12.6	14.2	133.9	96	60	91	82	8.7	0.6	1.4	—	3.5	29.0	1.4	0.2	1	0.4	1	0.2	1	0.2	1					
5	16.6	19.0	17.2	17.5	20.5	16.2	15.3	13.3	13.3	13.9	133.5	94	81	94	90	9.7	—	25.5	1.0	0.1	1.1	0.1	0.2	1	0.2	1	0.2	1	0.2	1					
6	16.4	25.0	18.6	19.6	25.0	15.4	14.0	13.2	11.7	13.5	124.8	94	49	85	96	9.3	2.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
7	17.3	26.2	18.8	20.3	26.7	16.2	14.9	14.1	10.2	13.3	125.9	91	86	90	75	7.0	6.0	0.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
8	17.7	23.6	17.9	18.3	25.0	16.6	14.7	14.2	14.6	13.7	144.2	91	86	90	90	9.0	2.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
9	16.5	24.8	18.8	19.1	24.0	16.2	15.3	13.8	12.2	13.4	134.4	90	58	90	82	9.0	2.1	3.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
10	16.5	26.2	20.9	21.1	27.0	15.4	14.0	13.2	10.2	15.8	133.1	94	40	66	71	7.7	7.9	0.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
11	18.3	18.0	16.0	17.1	25.4	17.4	17.6	14.9	14.7	12.7	144.1	95	95	91	91	8.0	2.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
12	17.5	24.8	18.8	20.0	26.2	13.7	12.5	14.4	14.0	13.3	133.8	96	60	80	79	4.7	6.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
13	17.7	21.4	16.8	18.2	25.0	15.6	13.5	14.4	12.8	13.3	134.4	94	67	91	84	9.3	2.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
14	15.0	26.4	18.6	19.6	27.0	13.4	11.3	12.0	10.2	12.9	117.7	94	40	60	71	7.0	2.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
15	17.8	23.0	17.9	19.2	26.5	16.9	15.9	14.6	11.8	13.7	133.4	95	56	90	80	10.0	—	0.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
16	16.8	21.2	18.6	18.8	22.7	15.1	13.5	13.9	14.0	15.3	144.4	97	74	95	89	9.3	0.6	13.3	1.6	0.4	2.0	0.7	0.0	0.2	1	0.2	1	0.2	1	0.2	1	0.2	1		
17	17.1	24.0	19.8	20.2	26.5	15.7	14.0	14.2	9.8	14.2	124.7	98	44	82	75	6.3	5.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
18	17.0	26.0	18.6	20.0	26.0	16.4	15.0	14.0	30.9	13.0	124.6	96	43	61	73	6.7	5.7	1.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
19	18.7	26.2	19.0	20.7	28.0	15.4	13.2	14.7	16.5	12.2	125.9	91	41	74	69	5.3	3.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
20	18.0	24.4	19.6	20.4	27.5	15.8	13.4	13.8	13.4	14.5	144.5	90	65	85	80	8.7	4.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	17.3	25.8	20.0	20.8	27.0	14.4	12.1	14.0	12.5	13.1	133.2	95	50	75	73	7.7	6.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	17.5	26.2	18.0	19.8	27.2	16.8	15.5	14.7	11.8	11.7	124.7	96	53	72	74	7.7	3.1	2.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	17.5	26.2	18.0	19.9	27.5	15.3	13.5	13.4	10.2	13.8	125.5	94	40	90	70	73	3.0	9.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	16.8	24.2	19.0	19.8	25.5	16.0	15.3	14.1	11.4	14.8	133.4	98	50	90	79	7.0	2.3	11.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	16.9	25.8	20.0	20.8	26.5	14.3	13.5	12.9	13.0	14.4	133.4	90	58	83	74	8.0	7.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	17.8	25.0	20.0	20.9	27.0	15.7	14.8	14.6	13.7	14.1	144.1	95	55	80	77	6.0	8.9	0.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	17.4	27.5	20.0	21.2	28.0	15.9	14.4	13.7	11.0	14.1	124.9	92	40	80	71	6.0	6.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	16.2	27.8	20.9	22.0	26.2	16.1	14.0	14.0	11.1	13.1	124.7	90	40	71	67	7.7	6.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	18.1	19.0	17.4	18.0	26.0	16.0	14.3	13.8	12.3	13.3	133.1	90	75	90	85	6.3	4.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	18.1	25.0	17.6	19.6	26.5	14.6	12.7	14.0	16.3	12.0	144.1	90	68	61	80	8.0	5.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	17.1	26.7	21.0	21.4	27.6	15.2	13.9	14.2	13.2	14.0	133.8	98	48	70	72	6.7	6.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Med.	17.3	23.8	18.7	19.7	25.7	15.7	14.2	14.0	12.5	13.7	133.4	94	58	84	79	7.7	4.1	3.4	1.0	3.4	7.7	1.5	—	—	—	—	—	—	—	—	—	—	—	—	—

Precipitación total: 138.4 mm.

DIARIOS

Estación M A R A N J A I Mes N O V I E M B R O Año 19 6 9 φ = 4° 51' N λ = 75° 41' W GR Altura 1.000 M.

Table with columns: Días, TEMPERATURAS (7, 14, 20, Med., Max., Min., Minima Solita), TENSION DEL VAPOR (7, 14, 20, Med., in m), Humedad Relativa (7, 14, 20, Med. %), BRILLO SOLAR (Horas), PRECIPITACION (7, 14, 20, Total, in m), EVAPORACION (7, 14, 20, Total, in m), VIENTOS (7, 14, 20, DIRECCION, FUERZA, in Km.Hora).

Precipitación total 266.0 mm.

RESUMEN MENSUAL Y ANUAL

ESTACION: Mariscal AÑO: 1.989

M E S	PRESION ATMOSFERICA SOBRE 800 MIL. HG.			TEMPERATURA						TEMPERATURAS EXTREMAS						HUMEDAD RELATIVA			TENSION DEL VAPOR			PRECIPITACION			DAS LLUVIOSOS							
	MM. HG.	DA	MAXIMA	OC		DA		MAXIMA		MINIMA		OC		DA		MAXIMA		MINIMA		DAS LLUVIOSOS		SUMA										
				7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20								
ENERO				17.0	26.0	19.8	20.7	27.8	16.1	30.5	7	14.0	16	14.6	1	15.4	1	15.4	1	15.4	1	15.4	69.9	2.7	28.5	101.1	17	40.4	14			
FEBRERO				17.8	27.2	20.0	21.3	28.3	16.8	30.0	27	14.6	1	15.4	1	15.4	1	15.4	1	15.4	1	15.4	101.3	3.4	2.2	106.9	14	37.6	18			
MARZO				18.3	27.3	20.9	21.8	28.7	17.3	31.2	10	15.2	3	16.0	3	16.0	3	16.0	3	16.0	3	16.0	60.6	22.6	19.6	103.4	14	26.9	29			
ABRIL				17.9	25.1	19.4	20.4	26.5	16.6	30.1	27	14.8	10	15.6	10	15.6	10	15.6	10	15.6	10	15.6	153.2	27.1	46.1	252.3	24	52.4	4			
MAYO				18.4	25.4	20.3	21.1	26.7	17.1	29.4	12	14.8	22	16.1	22	16.1	22	16.1	22	16.1	22	16.1	158.1	45.2	19.1	230.1	23	40.7	31			
JUNIO				18.1	24.8	19.7	20.6	26.9	16.8	29.0	29	15.5	17	15.7	17	15.7	17	15.7	17	15.7	17	15.7	155.4	18.1	18.9	152.2	19	42.4	26			
JULIO				17.8	27.0	20.0	21.2	28.6	15.8	31.3	13	14.6	7	14.2	7	14.2	7	14.2	7	14.2	7	14.2	13.0	3.0	11.0	65.2	11	18.2	31			
AGOSTO				17.6	25.7	19.8	20.7	27.0	16.7	29.4	2	14.9	12	15.4	12	15.4	12	15.4	12	15.4	12	15.4	286.2	9.5	39.6	323.2	23	47.9	15			
SEPTIEMBRE				17.9	25.6	19.7	20.7	26.8	16.3	30.0	13	14.1	25	15.1	25	15.1	25	15.1	25	15.1	25	15.1	6.7	4.4	1.8	159.0	9.3	24.6	204.5	18	44.4	18
OCTUBRE				17.3	23.8	18.7	19.7	25.7	15.7	28.2	28	13.4	14	14.2	14	14.2	14	14.2	14	14.2	14	14.2	105.6	32.0	104.9	238.4	22	32.9	23			
NOVIEMBRE				17.6	24.8	19.0	20.1	25.9	16.2	28.5	4	14.4	11	14.7	11	14.7	11	14.7	11	14.7	11	14.7	206.0	7.7	48.8	266.0	23	46.0	26			
DIEMBRE				17.6	25.4	19.6	20.6	26.5	16.3	28.5	7	14.5	23	14.9	23	14.9	23	14.9	23	14.9	23	14.9	113.0	3.2	23.9	135.3	19	24.1	19			
MEDIA ANUAL				17.8	25.7	19.7	20.7	27.1	16.5	29.7	-	14.6	-	15.2	93	11	13	16	33	16.6	9.3	13.6	7.0	4.6	1.8	132.9	15.3	32.3	181.6	227	42.8	-

PRECIPITACION TOTAL: 2.178.6

PRECIPITACION MAXIMA: 84.1 - XII - 19

DIAS LLUVIOSOS: 227

FRECUENCIA DE PRECIPITACION Y TEMPERATURA

ESTACION: Estadual

AÑO: 1959

MESES	PRECIPITACION												TEMPERATURA									
	7 HORAS			14 HORAS			20 HORAS			TOTAL			Mínima	Máxima	Mínima	Máxima						
	Más de: 01 10 100	200	500	Más de: 01 10 100	200	500	Más de: 01 10 100	200	500	Más de: 01 10 25 50 100 200 500	Mínima Abajo de 16 °C	Máxima Arriba de 25 °C	Mínima Abajo de 18 °C	Máxima Arriba de 29 °C								
ENERO	13	9	1	1	-	-	6	1	-	-	17	13	9	4	3	1	-	14	-	7	8	
FEBRERO	9	7	3	2	-	-	6	1	-	-	14	9	5	4	3	2	-	4	1	-	10	
MARZO	6	5	3	1	-	-	2	2	1	1	14	11	7	6	5	2	-	5	9	2	16	
ABRIL	17	14	4	2	1	-	13	5	1	-	18	8	1	-	-	-	11	4	7	5	5	
MAYO	20	16	6	2	-	-	8	6	2	-	23	19	16	14	8	5	-	5	5	4	2	
JUNIO	10	7	5	4	-	-	11	3	1	-	19	9	8	6	5	4	-	7	1	5	1	
JULIO	6	5	1	-	-	-	5	1	-	-	11	8	7	5	2	-	-	19	-	1	13	
AGOSTO	19	15	10	7	-	-	8	2	-	1	23	19	15	12	10	8	-	5	-	2	3	
SEPTBRE.	13	12	7	2	-	-	4	2	-	-	18	15	15	10	9	2	-	9	-	5	6	
OCTUBRE	14	9	5	2	-	-	8	6	-	-	22	19	15	12	8	6	-	20	-	11	-	
NOVBRE.	20	15	8	2	-	-	5	3	-	-	23	19	17	14	10	3	-	12	-	5	-	
DICBRE.	14	6	2	1	1	-	4	1	-	-	19	11	7	5	2	1	1	13	-	8	-	
SUMA ANUAL	161	120	55	26	2	-	80	33	5	1	-	227	173	137	95	74	38	2	124	20	67	64

FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.

MESES	FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.																								TOTAL	
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	8-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24		
ENERO	2	4	1	2	2	3	2	4	2	-	-	3	-	-	2	2	-	2	4	3	2	5	5	3	3	16
FEBRERO	3	5	3	5	4	6	2	5	1	1	-	-	-	-	-	1	1	3	1	1	-	1	1	1	3	14
MARZO	1	2	2	1	3	2	1	1	1	-	-	-	1	1	3	4	4	2	1	2	2	1	1	1	-	11
ABRIL	8	8	11	9	9	6	7	8	4	1	2	1	4	6	7	9	8	5	5	7	6	6	5	8	25	
MAYO	7	11	12	6	10	8	4	4	2	3	3	4	4	4	4	5	3	2	2	1	4	5	5	6	24	
JUNIO	7	6	7	5	7	5	2	1	1	-	2	1	5	8	4	3	1	1	2	3	1	2	3	6	21	
JULIO	3	1	3	5	1	-	-	1	-	-	-	-	5	2	2	1	-	1	2	4	2	-	10	-	10	
AGOSTO	9	10	12	12	11	10	8	3	2	2	-	1	2	2	3	2	3	2	1	4	2	3	4	4	26	
SEPTBRE.	4	6	9	9	8	8	7	2	1	1	1	1	1	2	7	6	4	1	1	4	5	4	4	5	19	
OCTUBRE	8	5	7	6	7	8	5	3	3	2	2	-	2	5	5	7	7	7	8	10	6	5	5	6	22	
NOVBRE.	7	10	8	8	9	10	4	2	1	-	1	1	2	4	5	3	6	8	3	2	4	6	5	7	26	
DICBRE.	5	5	5	2	3	5	2	1	-	-	1	-	-	2	4	4	2	3	2	-	1	2	3	5	20	
SUMA ANUAL	64	73	80	70	74	71	44	35	18	10	12	12	21	41	46	46	42	38	30	33	39	44	41	53	234	

FRECUENCIAS DE: NUBOSIDAD - BRILLO SOLAR - VIENTOS

AÑO: 1.969

ESTACION: Marañajal

MESES	NUBOSIDAD en DECIMOS		BRILLO SOLAR HORAS		Número de días con: VIENTOS																												
	Ménos de 30		Ménos de 50		7 HORAS							14 HORAS							20 HORAS														
	Ménos de 30	Más de 30	Ménos de 50	Más de 50	N	N	E	E	S	S	W	W	N	N	W	W	C	N	N	E	E	S	S	W	W	N	N	W	W	C			
ENERO	3	9	3	9	9	1	19	-	-	-	-	-	2	1	9	1	8	-	-	2	10	-	-	14	5	11	-	-	1	-			
FEBRERO	2	1	2	2	11	13	-	-	2	2	5	1	3	-	4	13	-	-	16	-	9	-	-	3	-	-	-	-	-	-			
MARZO	1	6	4	-	13	4	12	-	-	-	-	-	-	-	5	-	6	3	7	-	-	-	-	14	4	8	-	2	3	-			
ABRIL	-	18	7	2	12	3	10	-	1	-	-	-	3	2	6	2	10	-	2	3	5	-	-	19	3	6	-	2	-	-			
MAYO	-	16	5	1	13	1	9	-	-	1	1	5	-	2	11	3	8	-	1	2	4	-	-	17	2	8	-	3	1	-			
JUNIO	-	12	3	9	12	3	9	-	-	2	1	2	-	2	10	3	5	1	3	2	6	-	-	13	-	13	-	2	2	-			
JULIO	2	6	3	9	9	3	16	-	1	1	1	2	-	2	15	4	1	1	-	-	8	-	-	1	17	-	8	-	2	3	-		
AGOSTO	-	11	2	-	9	4	11	-	1	1	2	3	-	-	13	5	3	1	2	1	6	-	-	20	3	4	-	3	-	1	-		
SEPTIEMBRE	1	11	3	4	1	9	2	12	-	-	1	1	4	-	4	7	3	5	-	-	3	8	-	-	18	4	6	-	1	1	-		
OCTUBRE	1	17	5	1	1	5	2	8	2	5	1	2	5	-	4	8	2	6	-	1	3	7	-	-	1	15	4	6	-	4	-	1	-
NOVIEMBRE	-	7	1	-	2	4	3	10	-	2	1	6	2	-	2	8	4	-	-	3	6	7	-	-	9	4	5	3	3	3	3	-	-
DICIEMBRE	-	10	4	2	4	11	2	7	-	2	-	3	2	-	3	9	1	7	-	2	3	6	-	-	2	15	4	7	-	1	2	-	-
SUMA ANUAL	10	124	40	30	12	117	28	136	2	12	10	17	31	22	106	29	66	3	20	32	87	-	4	187	33	91	3	23	18	6	-	-	

Frecuencia Horaria del Brillo Solar

MESES	Frecuencia a Pleno Sol														Frecuencia sin Sol													
	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18				
ENERO	-	8	10	13	15	16	12	12	12	7	3	-	20	8	9	6	3	2	7	6	10	12	15	27				
FEBRERO	-	5	5	9	9	9	11	10	10	8	4	-	21	12	9	3	3	3	5	5	4	6	10	22				
MARZO	-	1	4	12	10	9	1	2	6	6	2	-	28	16	8	6	6	8	17	14	14	17	16	29				
ABRIL	-	1	4	5	5	7	4	4	2	2	2	-	28	20	13	11	10	5	7	10	12	17	21	24				
MAYO	-	1	5	9	12	9	5	3	2	-	-	-	27	15	10	6	6	8	7	10	6	20	16	22				
JUNIO	-	2	6	10	8	5	5	3	2	3	-	-	26	18	12	7	4	3	6	10	10	18	16	17				
JULIO	-	12	19	22	19	16	10	9	4	10	8	-	18	6	4	3	4	2	4	5	7	11	17					
AGOSTO	-	2	3	5	8	3	5	4	5	-	2	-	30	25	13	6	4	6	7	3	6	10	17	22				
SEPTIEMBRE	-	4	10	12	11	8	5	5	7	6	2	-	25	17	10	6	5	7	12	9	10	12	15	25				
OCTUBRE	-	-	8	14	8	7	5	7	3	5	2	-	27	20	12	8	7	8	13	12	11	14	17	24				
NOVIEMBRE	-	2	5	8	9	7	8	7	10	4	3	-	26	17	14	6	5	2	4	6	8	5	17	22				
DICIEMBRE	-	-	4	10	12	9	9	11	8	4	2	-	28	14	6	4	2	3	4	7	11	14	15	25				
SUMA ANUAL	-	36	79	125	128	108	80	79	72	54	33	-	304	188	120	72	59	57	83	97	109	152	186	276				

Estación: Marañajal

Año 1-1969

RESUMEN DE ALGUNAS CARACTERISTICAS
DE LA PRECIPITACION

MESES	TOTAL		No. PRECIPITACIONES		CANTIDAD		DURACION			PRECIPITACION MAXIMA				DURACION MAXIMA					
	m. m.	Días	Días	Noche	Total	Día	Noche	Total	m. m.	Durec.	Int. Med.	Int. Max. 6/m.	Int. Max. 1/m.	ht. mín.	m. m.	Int. Med.	Int. Max. 5 min.	Int. Max. 1 min. (calc.)	
Enero	101.1	17	15	19	34	30.6	70.5	13:35'	21:40'	35:15'	40.3	5:45'	0.12	4.0	0.8	40.3	0.12	4.0	0.8
Febrero	106.9	14	11	15	26	5.6	101.3	5:20'	21:20'	26:40'	37.8	5:35'	0.11	3.5	0.7	37.8	0.11	3.5	0.7
Marzo	103.4	14	13	8	21	42.2	61.2	10:10'	8:55'	19:05'	26.7	2:30'	0.18	6.8	1.4	15.0	0.10	3.0	0.6
Abril	252.3	24	41	37	78	72.4	179.9	36:20'	61:30'	97:50'	41.2	6:00'	0.11	5.5	1.1	24.2	0.04	1.5	0.3
Mayo	230.1	23	23	39	62	66.0	164.1	24:15'	48:40'	72:55'	39.4	5:15'	0.12	3.5	0.7	7.5	0.02	1.2	0.2
Junio	152.2	19	21	21	42	37.0	115.2	15:35'	29:35'	45:10'	41.3	2:55'	0.24	6.2	1.2	17.2	0.02	0.7	0.1
Julio	65.2	11	8	15	23	14.0	51.2	5:25'	19:40'	25:05'	14.6	4:20'	0.06	1.2	0.2	14.6	0.06	1.2	0.2
Agosto	323.2	23	16	35	51	49.1	274.1	10:25'	61:15'	71:40'	51.9	4:40'	0.18	4.6	0.9	8.2	0.02	1.6	0.3
Septbre.	204.5	18	15	26	41	30.4	174.1	18:55'	58:55'	77:50'	50.9	15:05'	0.06	6.0	1.2	50.9	0.06	6.0	1.2
Octbre.	238.4	22	27	27	54	134.5	103.9	39:55'	47:30'	87:25'	29.6	3:15'	0.15	4.0	0.8	21.2	0.04	3.0	0.6
Novbre.	266.0	23	22	36	58	56.5	209.5	22:00'	51:05'	73:05'	46.0	2:40'	0.29	5.9	1.2	13.0	0.03	1.3	0.3
Dcbre.	135.3	19	11	21	32	27.0	108.3	7:30'	20:45'	28:15'	54.1	3:05'	0.29	7.0	1.4	20.0	0.09	3.1	0.6
TOTALES	2178.6	227	223	299	522	565.3	1613.3	209:25'	450:50'	660:15'	473.8	61:09'	XX	XX	XX	269.9	XX	XX	XX

DATOS DIARIOS

Estación Santisima M88 Enero Año 1969 $\phi = 5^{\circ} 04' N$ $\lambda = 75^{\circ} 41' W$ OR Altura 1.110 M.

Días	TEMPERATURA °C						A.S.			TENSIÓN DEL VAPOR mm Hg						Humedad Relativa %			NUBESIDAD DECIMOS	Brillo Solar Horse	PRECIPITACION mm						VIENTOS					
	7	14	20	Med.	Max.	Min.	Mínima Suelo	7	14	20	Med.	7	14	20	Med.	7	14	20			Total	7	14	20	Total	7	14	20	Total			
																														DIREC. Km./Hora	FUERZA	DIREC. Km./Hora	FUERZA	DIREC. Km./Hora	FUERZA
1	18.8	24.8	20.0	20.9	26.7	17.5	16.0	13.7	14.0	15.0	14.2	85	60	86	77	—	—	—	—	—	—	—	—	—	—	—	—	—				
2	19.2	28.8	20.3	22.2	29.3	17.8	16.5	14.1	12.1	13.2	13.1	85	40	74	66	—	—	—	—	—	—	—	—	—	—	—	—	—				
3	18.0	29.8	21.6	22.8	31.4	15.5	13.4	14.7	11.1	14.8	13.5	95	35	76	69	—	—	—	—	—	—	—	—	—	—	—	—	—				
4	18.4	30.8	21.3	23.0	31.8	17.5	16.5	14.5	9.9	14.4	12.9	92	30	76	66	—	—	—	—	—	—	—	—	—	—	—	—	—				
5	18.0	30.9	22.9	22.9	31.4	16.6	15.4	14.1	9.9	13.3	12.4	92	30	70	64	—	—	—	—	—	—	—	—	—	—	—	—	—				
6	16.5	31.6	20.6	22.8	31.8	16.8	15.3	14.6	11.5	12.9	13.0	92	33	71	65	—	—	—	—	—	—	—	—	—	—	—	—	—				
7	16.0	31.5	21.0	22.4	31.9	15.0	13.2	12.8	10.6	14.0	12.5	94	30	75	66	—	—	—	—	—	—	—	—	—	—	—	—	—				
8	18.4	30.9	22.4	23.5	32.6	17.2	15.8	14.2	8.8	13.6	12.2	90	26	66	61	—	—	—	—	—	—	—	—	—	—	—	—	—				
9	16.0	31.8	21.8	22.8	32.5	15.4	13.6	12.3	12.4	14.7	13.1	90	35	75	67	—	—	—	—	—	—	—	—	—	—	—	—	—				
10	17.0	32.9	22.6	23.8	33.5	16.2	14.3	13.1	11.5	13.9	12.8	90	30	67	62	—	—	—	—	—	—	—	—	—	—	—	—	—				
11	18.8	30.3	21.8	23.2	31.2	17.1	15.5	14.6	11.5	14.6	13.6	90	36	74	67	—	—	—	—	—	—	—	—	—	—	—	—	—				
12	18.4	22.4	19.3	19.9	22.9	18.0	17.5	15.0	14.3	14.0	14.4	94	70	84	83	—	—	—	—	—	—	—	—	—	—	—	—	—				
13	17.4	25.5	19.5	20.5	26.2	16.8	16.2	13.9	10.9	14.5	13.1	93	45	86	75	—	—	—	—	—	—	—	—	—	—	—	—	—				
14	18.0	26.2	18.6	20.3	26.8	17.0	16.4	14.1	11.8	14.7	13.5	92	46	92	77	—	—	—	—	—	—	—	—	—	—	—	—	—				
15	18.9	23.4	18.8	20.0	23.8	16.6	16.0	13.1	12.9	14.6	13.5	91	60	90	80	—	—	—	—	—	—	—	—	—	—	—	—	—				
16	16.0	29.6	20.3	21.5	30.6	15.7	14.8	12.8	9.4	14.6	12.3	94	30	83	69	—	—	—	—	—	—	—	—	—	—	—	—	—				
17	17.0	28.6	20.6	21.7	29.8	16.4	15.6	13.4	10.2	13.6	12.4	92	35	74	67	—	—	—	—	—	—	—	—	—	—	—	—	—				
18	18.0	28.0	20.5	21.8	29.9	16.6	15.5	14.5	11.3	14.4	13.4	93	40	80	71	—	—	—	—	—	—	—	—	—	—	—	—	—				
19	17.5	26.0	20.0	20.9	26.8	17.0	16.0	14.3	10.9	14.1	13.1	95	43	80	73	—	—	—	—	—	—	—	—	—	—	—	—	—				
20	16.8	28.2	21.7	21.9	29.6	16.2	15.0	13.2	10.9	14.6	12.9	92	38	74	68	—	—	—	—	—	—	—	—	—	—	—	—	—				
21	18.0	28.6	20.5	21.9	30.4	17.8	16.5	13.8	9.0	14.4	12.4	90	30	80	67	—	—	—	—	—	—	—	—	—	—	—	—	—				
22	16.4	29.0	19.2	20.9	29.3	16.1	14.5	13.1	10.7	14.0	12.6	93	36	84	71	—	—	—	—	—	—	—	—	—	—	—	—	—				
23	19.6	24.6	21.8	22.0	26.5	18.5	17.5	14.7	13.6	16.6	15.0	92	58	84	78	—	—	—	—	—	—	—	—	—	—	—	—	—				
24	19.0	28.9	21.8	22.9	29.9	18.6	18.0	14.8	9.0	14.1	12.6	90	30	72	64	—	—	—	—	—	—	—	—	—	—	—	—	—				
25	18.8	29.0	22.3	23.1	29.3	18.5	17.6	14.7	9.2	15.1	13.0	91	30	75	65	—	—	—	—	—	—	—	—	—	—	—	—	—				
26	19.4	29.9	23.0	23.8	31.4	18.6	17.5	15.3	11.1	11.8	12.7	91	35	56	61	—	—	—	—	—	—	—	—	—	—	—	—	—				
27	18.2	30.3	21.4	22.8	31.0	17.5	15.6	14.1	9.6	15.6	13.1	92	30	82	68	—	—	—	—	—	—	—	—	—	—	—	—	—				
28	15.0	30.3	22.8	22.7	32.6	14.6	13.0	12.1	9.6	14.7	12.1	95	30	70	65	—	—	—	—	—	—	—	—	—	—	—	—	—				
29	18.8	29.6	21.9	23.1	31.5	18.5	17.5	14.7	10.9	15.6	13.7	91	35	80	69	—	—	—	—	—	—	—	—	—	—	—	—	—				
30	18.3	31.0	21.8	23.2	31.8	17.5	15.8	14.3	11.1	16.6	14.0	92	33	85	70	—	—	—	—	—	—	—	—	—	—	—	—	—				
31	15.4	31.4	19.6	21.5	33.8	14.6	13.5	12.5	8.9	12.7	11.4	95	25	74	65	—	—	—	—	—	—	—	—	—	—	—	—	—				
Med.	17.8	28.9	21.0	22.2	29.9	16.9	15.7	13.9	10.9	14.3	13.0	92	38	77	69	—	—	—	—	—	—	—	—	—	—	—	—	—				

Precipitación total = 60.5 mm.

DATOS DIARIOS

 Estación Santa Eugenia

 Mes Febrero

 Año 1969
 $\phi = 5^{\circ} 04' N$
 $\lambda = 75^{\circ} 41' WGR$

 Altura 1.110 M.

Días	TEMPERATURAS °C				TENSIÓN DEL VAPOR mm				Humedad Relativa %				NUBOSIDAD DECIMOS	Brillo Solar Horas	PRECIPITACION mm				VIENTOS						
	7	14	20	Med.	Máx.	Mín.	Mínima Suelo	7	14	20	Med.	7			14	20	Med.	7	14	20	Total	DIREC CION	FUERZA Km./Hora	DIREC CION	FUERZA Km./Hora
1	14.0	32.0	22.9	23.0	33.3	12.6	9.8	10.8	9.4	14.3	11.5	80	26	68	61	10.5	—	—	—	—	—	—	—	—	
2	16.4	31.8	22.8	23.4	33.5	15.5	13.8	13.2	8.9	14.7	12.3	94	25	70	63	9.5	—	—	—	—	—	—	—	—	
3	18.8	31.4	24.2	24.7	32.0	18.0	16.9	15.0	10.6	14.0	13.2	93	30	62	62	8.7	—	—	—	—	—	—	—	—	
4	19.0	28.2	18.4	21.0	29.0	18.8	18.0	15.5	11.5	14.4	13.8	90	40	80	70	3.6	13.2	0.2	2.8	3.0	—	—	—	—	
5	18.8	29.0	20.2	22.1	30.0	17.4	16.3	14.6	12.1	14.3	13.7	94	40	80	70	5.4	—	—	—	—	—	—	—	—	
6	16.5	28.6	20.8	21.7	29.0	16.0	14.8	13.2	13.2	10.5	15.8	94	36	86	72	5.8	—	—	—	—	—	—	—	—	
7	18.6	30.3	22.8	23.6	31.3	17.2	16.4	14.4	11.5	14.7	13.5	90	36	70	65	6.6	—	—	—	—	—	—	—	—	
8	19.3	28.7	23.1	23.5	29.9	18.7	18.0	15.1	12.1	14.8	14.0	91	40	70	67	6.3	5.4	5.6	—	—	—	—	—	—	
9	18.0	30.0	22.9	23.5	31.8	17.6	16.6	14.0	11.1	12.0	12.4	91	35	58	61	7.2	—	—	—	—	—	—	—	—	
10	19.0	29.8	22.2	23.3	30.5	18.4	17.6	14.8	10.9	12.6	12.6	90	33	64	62	6.2	—	—	—	—	—	—	—	—	
11	19.2	31.4	22.5	23.9	31.9	18.8	18.0	15.1	11.1	14.4	13.5	91	32	70	64	10.2	—	—	—	—	—	—	—	—	
12	20.0	29.9	21.4	23.2	30.9	19.1	18.5	15.8	11.1	14.0	13.6	90	35	73	66	3.3	—	—	—	—	—	—	—	—	
13	18.0	30.9	21.5	23.0	31.9	17.3	16.5	14.1	9.9	14.0	12.7	92	30	73	65	9.3	—	—	—	—	—	—	—	—	
14	19.0	29.3	23.3	23.7	30.4	17.7	17.0	14.8	12.2	14.2	13.7	90	40	66	65	4.9	—	—	—	—	—	—	—	—	
15	20.2	29.5	20.4	22.6	30.0	20.0	19.0	15.2	11.1	14.5	13.6	86	36	80	67	9.0	—	—	—	—	—	—	—	—	
16	20.0	25.5	19.8	21.3	28.4	19.5	18.4	15.8	10.9	12.9	13.2	90	45	74	70	5.9	0.1	—	—	—	—	—	—	—	
17	18.0	30.0	21.2	22.6	30.9	17.1	16.5	13.8	9.6	13.7	12.4	90	30	73	64	8.0	—	—	—	—	—	—	—	—	
18	19.0	31.3	23.1	24.1	32.8	18.2	17.4	14.8	10.4	14.5	13.2	90	30	68	63	8.8	—	—	—	—	—	—	—	—	
19	20.0	31.9	22.8	24.4	32.6	19.8	19.0	15.0	10.7	14.7	13.5	66	30	70	62	9.0	—	—	—	—	—	—	—	—	
20	20.0	30.8	22.9	24.1	31.4	19.6	18.4	15.8	12.0	16.7	14.8	90	36	80	69	4.6	—	—	—	—	—	—	—	—	
21	19.0	32.8	22.6	24.4	33.3	18.7	18.0	15.1	11.5	14.7	13.8	92	30	70	64	7.9	—	—	—	—	—	—	—	—	
22	19.4	32.6	21.9	24.0	33.8	19.0	18.4	15.2	11.2	14.8	13.7	90	30	76	65	9.0	—	—	—	—	—	—	—	—	
23	18.8	30.2	22.9	23.7	31.0	18.5	17.5	14.9	11.0	15.9	13.9	92	34	76	67	5.3	—	—	—	—	—	—	—	—	
24	19.0	31.4	20.6	22.9	32.5	18.3	17.6	15.1	10.6	15.2	13.6	92	30	84	69	5.9	5.1	—	—	—	—	—	—	—	
25	17.6	28.2	20.5	21.7	29.5	17.0	16.6	13.6	11.5	14.4	13.2	91	40	80	70	5.5	13.8	0.2	—	—	—	—	—	—	
26	19.0	31.8	22.9	24.1	33.0	18.8	18.0	14.8	10.7	15.5	13.7	90	30	75	65	9.9	—	—	—	—	—	—	—	—	
27	18.8	33.0	23.8	24.8	33.8	17.8	17.0	14.6	11.5	15.6	13.9	90	30	70	63	8.8	—	—	—	—	—	—	—	—	
28	17.8	28.6	22.0	22.6	31.5	16.6	15.6	13.7	11.9	15.0	13.5	90	40	76	69	5.9	—	—	—	—	—	—	—	—	
29																									
30																									
31																									
Med.	18.6	30.3	22.0	23.2	31.4	17.9	17.0	14.6	11.0	14.5	13.3	91	34	73	66	7.2	1.3	0.2	0.1	1.7					

Precipitación total 47.8 mm.

DATOS DIARIOS

Estación Santiago Mes Abril Año 1959 ϕ 72° 04' N λ 75° 41' WGR Altura 1.130 M.

Días	TEMPERATURAS					TENSION DEL VAPOR					Humedad Relativa			BRILLO SOLAR DECIMOS	PRECIPITACION mm			VIENTOS							
	7	14	20	Med.	Máx. Min.	Mínima Suelo	7	14	20	Med.	7	14	20		Med.	7	14	20	Total	7	14	20			
																							DIREC. CION	FUERZA Km./Hora	DIREC. CION	FUERZA Km./Hora	DIREC. CION	FUERZA Km./Hora
1	20.0	31.0	24.2	24.6	31.9	19.6	19.0	16.4	11.8	15.9	14.7	94	35	70	66	9.7	1.4	—	—	—	—	—			
2	20.6	32.5	23.8	25.1	32.8	19.8	19.0	15.9	12.2	15.6	14.6	88	34	70	64	9.6	—	—	—	—	—	—			
3	21.0	32.2	24.6	24.8	30.4	20.5	19.8	15.9	14.3	15.2	15.1	86	46	66	66	4.4	—	—	—	—	—	—			
4	21.1	30.6	23.3	23.0	20.5	20.0	20.0	12.4	16.4	15.0	16.8	86	38	80	71	4.3	—	—	—	—	3.5	17.3			
5	19.8	29.6	22.8	23.8	31.0	19.5	19.0	16.4	13.0	15.9	15.1	95	41	76	71	2.5	13.8	7.0	—	—	61.2	—			
6	19.0	29.5	22.0	23.1	30.5	18.5	18.0	16.2	12.3	17.1	15.3	98	40	88	75	5.2	59.2	—	—	—	0.2	50.0			
7	18.8	27.9	21.0	22.2	28.4	18.2	17.6	14.7	11.1	14.9	13.6	91	40	80	70	3.0	49.8	—	—	—	1.8	18.8			
8	20.0	30.0	23.3	23.2	31.9	18.1	17.2	14.1	11.1	16.9	14.0	80	35	80	68	6.9	—	—	—	—	—	—			
9	18.8	26.5	22.2	22.4	29.5	18.5	18.0	15.4	13.1	15.9	14.8	94	50	80	75	4.9	17.0	1.5	—	—	—	1.5			
10	18.1	31.8	23.0	24.0	32.9	17.5	16.6	14.5	11.9	14.0	13.5	93	34	66	64	8.5	—	—	—	—	—	1.0			
11	20.2	24.2	19.8	21.0	26.0	19.5	18.0	15.9	15.9	15.6	15.8	90	70	90	83	1.0	0.9	0.3	—	—	—	21.5	25.7		
12	20.0	30.6	20.4	22.8	31.2	19.0	18.5	15.8	12.9	16.0	14.9	80	40	80	71	7.1	0.9	—	—	—	—	—	0.3		
13	19.6	26.3	20.9	21.9	28.2	18.4	17.6	15.4	16.5	15.8	15.9	90	64	86	80	3.1	4.2	—	—	—	—	—	0.1		
14	20.0	28.9	22.6	23.5	29.5	19.5	19.0	15.8	12.1	17.2	15.0	90	40	84	71	4.6	0.3	0.1	—	—	—	—	0.1		
15	19.4	28.6	23.0	23.5	30.8	18.8	18.2	15.8	11.9	14.8	14.2	94	40	70	68	3.5	—	—	—	—	—	—	0.1		
16	19.8	27.0	19.8	21.6	29.3	19.0	18.4	15.6	13.4	15.6	14.9	90	90	90	77	2.4	13.5	0.1	—	—	—	—	13.6		
17	19.1	30.0	21.9	23.2	30.8	18.8	18.0	15.2	12.7	16.4	14.8	93	40	83	72	3.3	2.4	—	—	—	—	—	0.1		
18	20.0	26.4	21.2	22.2	30.9	19.0	18.6	15.3	13.4	14.2	14.3	88	52	75	72	4.6	—	—	—	—	—	—	0.1		
19	20.3	28.6	23.4	23.9	29.8	18.8	18.0	14.3	13.5	16.2	14.7	80	45	75	67	5.1	—	—	—	—	—	—	0.1		
20	20.0	31.5	20.2	23.0	31.9	18.6	18.0	15.8	13.2	15.6	15.6	90	45	86	74	6.4	—	—	—	—	—	—	0.2		
21	19.4	30.3	22.8	23.8	30.6	17.6	16.5	15.2	11.5	15.5	14.1	90	36	75	67	6.9	0.2	—	—	—	—	—	0.1		
22	19.0	26.0	20.0	21.2	26.4	18.2	17.8	14.8	14.9	16.4	15.4	90	60	94	81	0.0	27.0	—	—	—	—	—	26.9	29.3	
23	18.1	25.2	21.5	21.6	27.5	17.3	17.0	13.8	15.2	15.7	14.9	90	63	82	78	3.8	2.4	0.1	—	—	—	—	0.4		
24	19.6	22.8	23.4	23.3	25.5	19.2	18.6	15.4	15.9	16.3	15.9	90	76	86	84	2.2	—	—	—	—	—	—	2.9		
25	18.5	23.0	19.5	20.1	23.5	18.0	17.1	14.7	14.0	14.8	14.5	93	66	88	82	10.0	0.3	—	—	—	—	—	—		
26	19.8	30.3	22.6	23.8	32.5	18.8	18.0	16.2	10.0	16.4	14.2	94	31	80	68	—	—	—	—	—	—	—	—		
27	18.8	32.4	21.9	24.8	34.0	17.7	16.5	15.4	12.0	16.6	14.7	94	33	75	67	10.5	—	—	—	—	—	—	—		
28	21.0	31.5	23.0	24.6	31.8	20.5	19.2	16.1	14.0	17.2	16.0	90	40	82	71	7.2	—	—	—	—	—	—	2.2	3.8	
29	20.0	30.0	20.5	22.8	30.5	19.6	18.6	16.1	14.2	15.5	15.3	92	44	86	74	5.0	1.6	—	—	—	—	—	22.8	23.4	
30	20.0	29.4	21.8	23.2	29.8	18.5	17.8	15.0	12.2	17.1	14.8	86	40	88	71	5.4	0.6	0.1	—	—	—	—	24.8	—	
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Med.	19.7	28.7	21.9	23.0	30.0	18.8	18.1	15.5	13.2	15.9	14.8	90	46	81	72	5.0	7.4	0.2	—	—	—	—	3.1	11.5	—

Precipitación total : 346.3 mm.

DATOS DIARIOS

 Estación Santiago de Chile Mes Marzo Año 1969 φ = 5° 04' N λ = 75° 41' W Altura 1.110 M.

Días	TEMPERATURAS °C						TENSIÓN DEL VAPOUR mm						Humedad Relativa %			HURBOSIDAD DEFINIDA	Brillo Solar Horas	PRECIPITACION mm			EVAPORACION mm			VIENTOS						
	7	14	20	Med.	Máx.	Mín.	7	14	20	Med.	7	14	20	7	14			20	7	14	20	7	14	20	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA
	Hóxima Sueto																													
1	20.0	21.5	22.0	22.9	28.0	19.0	18.4	13.8	14.6	17.0	15.7	99	52	86	76	4.2	24.7	0.1	---	---	---	---	---	---	---	---	---	---		
2	20.0	20.3	21.2	22.9	29.0	19.6	19.2	16.9	17.1	18.5	15.5	96	42	88	75	4.9	14.0	---	14.1	---	---	---	---	---	---	---	---	---		
3	19.0	20.0	23.4	23.4	29.6	18.4	17.6	15.7	11.6	17.3	14.9	95	43	80	72	7.7	8.4	0.1	---	---	---	---	---	---	---	---	---	---		
4	20.0	20.0	22.2	20.2	30.2	18.5	17.0	16.4	12.1	16.4	15.0	94	40	92	76	7.6	---	---	---	---	---	---	---	---	---	---	---	---		
5	20.4	20.9	20.6	22.9	30.5	19.8	19.0	17.0	12.5	14.5	14.7	95	40	80	72	6.2	3.5	---	---	---	---	---	---	---	---	---	---	---		
6	18.0	20.5	23.4	23.6	30.8	16.0	15.5	13.8	17.0	17.3	16.0	90	55	80	75	1.9	---	---	---	---	---	---	---	---	---	---	---	---		
7	19.0	20.0	22.2	22.8	29.2	18.1	17.5	15.1	13.2	17.1	15.1	92	46	85	74	6.4	---	---	---	---	---	---	---	---	---	---	---	---		
8	18.4	20.6	22.6	22.6	28.2	16.3	15.4	15.0	13.3	17.4	15.2	94	51	85	77	6.1	15.2	0.1	---	---	---	---	---	---	---	---	---	---		
9	19.6	22.2	19.0	20.0	25.0	18.8	18.0	15.6	12.1	15.0	14.6	94	50	86	77	6.0	31.7	2.4	3.5	---	---	---	---	---	---	---	---	---		
10	19.2	25.2	20.6	21.1	27.1	18.8	18.0	15.6	12.1	15.0	14.6	94	50	86	77	3.1	2.5	12.3	---	---	---	---	---	---	---	---	---	---		
11	19.0	20.9	22.0	23.0	29.2	18.5	17.5	15.5	12.1	16.1	14.4	91	40	72	68	3.5	---	---	---	---	---	---	---	---	---	---	---	---		
12	19.0	30.8	23.0	24.0	31.8	18.6	17.0	14.9	13.1	15.1	14.4	91	40	72	68	7.0	---	---	---	---	---	---	---	---	---	---	---	---		
13	20.0	26.4	23.0	23.1	28.8	19.0	18.0	15.8	15.7	15.2	15.6	90	60	72	74	7.0	---	---	---	---	---	---	---	---	---	---	---	---		
14	18.5	23.6	21.0	21.1	24.8	18.1	17.3	15.5	14.0	15.7	15.1	95	64	85	81	2.9	14.0	---	---	---	---	---	---	---	---	---	---	---		
15	18.5	20.0	20.8	22.0	28.3	17.4	16.6	15.1	11.3	15.8	14.1	94	40	86	73	2.9	34.3	33.2	---	---	---	---	---	---	---	---	---	---		
16	19.3	27.1	22.4	22.8	29.6	18.8	17.6	15.0	13.4	17.3	15.2	90	50	86	75	2.4	0.6	---	---	---	---	---	---	---	---	---	---	---		
17	19.2	26.0	22.0	22.3	29.5	18.6	18.0	15.4	16.2	17.0	16.2	93	65	86	81	0.1	18.8	---	---	---	---	---	---	---	---	---	---	---		
18	20.0	28.0	22.0	23.0	29.5	19.5	19.0	16.4	12.7	15.8	15.0	94	44	80	73	6.7	1.7	---	---	---	---	---	---	---	---	---	---	---		
19	20.0	29.0	21.2	22.8	29.4	18.6	18.0	15.8	12.1	16.9	14.9	90	40	90	73	4.0	8.1	---	---	---	---	---	---	---	---	---	---	---		
20	19.3	30.5	23.0	24.0	31.5	18.2	17.0	15.0	11.8	14.8	13.9	90	36	70	65	7.1	2.2	---	---	---	---	---	---	---	---	---	---	---		
21	19.0	23.5	20.6	20.9	25.0	18.4	17.5	14.8	17.6	16.5	16.3	90	81	91	87	10.3	44.8	0.1	1.8	---	---	---	---	---	---	---	---	---		
22	19.4	28.4	21.8	22.8	30.3	17.5	16.0	15.2	13.2	16.7	15.0	90	45	86	74	3.3	---	---	---	---	---	---	---	---	---	---	---	---		
23	19.3	27.0	21.0	22.1	28.2	19.0	18.4	15.6	13.0	15.9	14.8	94	48	86	76	9.6	1.6	0.1	---	---	---	---	---	---	---	---	---	---		
24	20.2	30.9	23.6	24.7	31.8	18.3	17.4	15.1	13.1	15.1	14.4	85	40	60	64	10.8	---	---	---	---	---	---	---	---	---	---	---	---		
25	19.3	29.5	23.0	23.7	30.9	18.0	17.4	15.1	14.1	16.9	15.4	90	45	80	72	6.8	3.6	---	---	---	---	---	---	---	---	---	---	---		
26	20.3	29.5	22.6	23.8	30.0	19.6	19.0	15.9	12.4	17.4	15.3	90	40	85	72	5.6	---	---	---	---	---	---	---	---	---	---	---	---		
27	19.5	28.5	23.0	23.5	29.5	18.2	17.0	14.8	13.5	16.9	15.1	88	45	80	71	3.3	---	---	---	---	---	---	---	---	---	---	---	---		
28	20.2	29.2	22.0	23.4	30.9	19.0	18.4	15.9	12.2	16.7	14.9	90	40	84	71	3.6	---	---	---	---	---	---	---	---	---	---	---	---		
29	20.0	28.5	22.0	23.1	29.5	19.0	18.2	15.8	14.0	16.7	15.5	90	48	84	74	7.5	0.3	0.1	---	---	---	---	---	---	---	---	---	---		
30	20.0	29.8	24.2	24.6	31.3	19.0	18.5	15.8	13.7	15.9	15.1	90	43	70	68	7.2	---	---	---	---	---	---	---	---	---	---	---	---		
31	20.6	29.2	23.3	24.1	29.4	20.5	20.0	16.5	14.7	12.8	14.7	91	48	60	66	6.2	12.0	0.5	---	---	---	---	---	---	---	---	---	---		
Med	19.5	28.0	22.0	22.9	29.3	18.6	17.7	15.5	13.5	16.1	15.1	92	48	82	74	5.6	8.4	1.6	1.0	---	---	---	---	---	---	---	---	---		

Precipitación total: 359.3 mm

DATOS DIARIOS

Estación Santiago de los Caballeros

Mes Junio

Año 1969

ϕ 55° 04' N λ 75° 41' W.G.R.

Altura 1.110 M.

Días	TEMPERATURAS						TENSION DEL VAPOR						Humedad Relativa %				Nubosidad Decimos		Brillo Solar Horas		PRECIPITACION mm						VIENTOS					
	°C			Mínima Suizo	mm			%			%			7	14	20	Med.	7	14	20	Total	7	14	20	Total	DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora	
	7	14	20		Med.	7	14	20	Med.	7	14	20	Med.																			7	14	20	Med.
1	19.4	26.0	21.8	22.2	26.8	19.0	18.4	15.2	11.3	17.5	14.7	90	45	90	75	3.0	8.5	0.2	0.1	0.3												
2	20.0	19.2	20.6	20.1	30.0	19.1	18.5	15.8	13.3	17.1	15.4	90	80	94	88	4.9	—	27.5	0.2	28.6												
3	19.3	27.4	19.3	21.3	28.4	18.6	18.0	15.0	15.3	15.0	15.1	90	56	90	79	4.1	0.9	2.7	8.1	25.9												
4	18.1	28.2	21.0	22.1	29.6	17.4	17.0	14.7	11.5	15.9	14.0	93	40	86	74	6.3	14.9	—	—	0.2												
5	20.0	27.5	22.0	22.9	28.2	19.0	18.4	15.8	12.7	16.8	15.1	90	46	85	74	4.2	0.2	0.2	—	0.2												
6	18.8	30.0	22.0	23.2	30.4	17.0	16.0	14.6	10.5	16.7	13.9	90	33	84	69	8.2	—	—	—	0.4	1.2											
7	19.4	26.5	21.9	22.4	28.3	18.8	18.0	15.2	13.1	16.7	15.0	90	50	86	75	4.6	0.8	0.2	0.1	0.3												
8	19.3	28.5	22.0	23.0	31.4	18.3	17.6	15.6	11.8	15.8	14.4	94	40	80	71	8.4	—	—	—	0.9	1.5											
9	20.5	27.5	21.2	22.6	28.4	19.8	19.0	17.0	13.8	15.1	15.3	94	50	80	75	3.4	0.6	—	—	—	—											
10	20.0	20.5	19.1	19.7	31.0	18.8	18.0	15.8	15.1	14.8	15.2	90	84	90	88	6.0	—	0.1	4.5	61.0												
11	18.4	28.5	20.8	22.1	29.0	18.0	17.2	14.2	13.1	16.2	14.5	90	44	90	75	3.7	56.4	0.1	—	0.1												
12	18.5	29.0	22.0	22.9	30.5	17.2	16.5	14.3	11.4	15.8	13.8	90	38	80	69	6.0	—	—	—	—	—											
13	20.8	26.5	20.5	22.1	28.8	18.7	18.0	16.4	14.3	16.1	15.6	90	55	90	78	4.7	—	—	—	5.8	7.4											
14	18.2	26.5	21.5	21.9	28.8	18.0	17.5	14.0	13.1	15.7	14.3	90	50	82	74	6.0	1.6	0.1	—	0.1												
15	18.6	29.4	22.1	21.0	30.3	17.2	16.0	14.4	12.2	15.8	14.1	90	40	80	70	6.1	—	—	—	1.8	2.2											
16	20.0	28.2	21.8	23.0	29.4	19.4	18.5	15.8	11.3	16.6	14.6	90	40	85	72	7.1	0.4	—	—	—	—											
17	17.1	28.8	22.8	22.9	30.4	16.8	16.0	13.7	12.1	14.9	13.6	94	40	71	68	8.0	—	0.1	—	0.2												
18	19.1	26.1	21.6	22.5	31.2	18.3	17.6	14.8	11.6	16.5	14.3	90	46	86	74	6.4	0.1	—	—	—	—											
19	19.0	27.0	22.0	22.5	27.8	18.1	17.6	14.8	12.2	16.8	14.6	90	45	85	73	4.9	4.9	0.2	—	—	—											
20	18.2	27.0	21.8	22.2	28.0	17.4	16.5	14.5	13.4	15.6	14.5	93	50	80	74	5.9	12.0	0.1	—	—	—											
21	19.0	25.8	20.5	21.4	28.0	17.8	17.0	15.5	14.9	16.1	15.5	94	60	90	81	1.6	25.1	0.1	0.8	0.9												
22	20.0	28.6	23.7	23.0	31.2	18.2	17.2	15.8	11.9	17.1	14.9	90	40	88	73	6.7	—	0.1	—	—	—											
23	19.3	28.8	23.0	23.5	29.8	18.5	17.2	15.6	12.1	16.9	14.9	94	40	80	71	7.7	2.0	—	—	—	—											
24	19.3	29.0	21.4	22.8	30.0	18.6	18.0	15.0	12.5	15.3	14.3	90	41	80	70	4.0	7.2	1.1	0.3	1.6												
25	18.6	28.9	20.8	22.1	30.4	18.6	18.0	15.4	12.1	14.7	14.1	90	40	80	70	3.5	0.2	—	—	—	—											
26	18.8	25.8	22.8	22.6	29.9	18.5	17.5	14.6	14.9	14.7	14.7	90	60	70	73	6.1	—	—	—	0.2	6.1											
27	18.6	25.5	20.5	21.3	26.5	18.5	18.0	15.3	13.7	16.1	15.0	95	56	90	80	0.2	5.3	—	—	—	—											
28	19.6	28.3	22.3	23.1	30.6	18.6	18.0	16.0	11.5	15.9	14.5	94	40	80	76	8.7	—	—	—	—	—											
29	19.4	30.8	23.6	24.4	31.6	19.0	18.0	15.2	11.3	16.4	14.3	90	34	75	66	8.3	—	—	—	—	—											
30	20.0	28.0	21.2	22.6	29.0	20.0	19.5	15.8	13.2	15.9	15.0	90	46	85	74	2.4	0.7	—	—	—	—											
31																																
Med.	19.2	27.3	21.5	22.4	29.5	18.4	17.6	15.2	12.7	16.0	14.6	91	48	84	74	5.6	4.7	1.1	0.8	6.4												

Precipitación total 190.9 mm.

DATOS DIARIOS

Estación Santiago de los Caballeros Mes Julio Año 1969 $\phi = 5^{\circ}04' N$ $\lambda = 75^{\circ}41' W$ Altura 1.130 M.

Días	TEMPERATURAS °C						TENSIÓN DEL VAPOR mm						Humedad Relativa %			NUBOSIDAD DESIÑOS	Brillo Solar Horas	PRECIPITACION mm			EVAPORACION mm	VIENTOS						
	7	14	20	Med.	Máx.	Mín.	7	14	20	Med.	7	14	20	Med.	7			14	20	Total		7	14	20	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA
1	18.3	28.8	21.0	22.3	29.4	18.0	17.0	14.0	12.1	15.6	13.9	90	40	84	71	7.7	0.8	0.1	—	0.1	—	—	—	—	—	—	—	
2	18.0	28.2	19.3	21.2	29.6	16.0	15.5	13.8	11.6	14.2	13.2	90	40	86	72	5.9	—	0.1	0.4	0.5	—	—	—	—	—	—	—	—
3	17.0	28.2	21.0	21.8	30.2	16.0	15.5	13.1	11.5	15.7	13.4	90	40	85	72	6.5	—	0.1	—	—	—	—	—	—	—	—	—	—
4	18.0	29.9	21.0	22.5	31.9	15.0	14.4	13.4	9.4	13.4	12.1	86	30	72	63	10.5	—	0.1	—	—	—	—	—	—	—	—	—	—
5	18.0	28.0	22.2	22.6	30.8	16.6	15.6	13.8	12.8	15.9	14.2	90	45	80	72	7.0	—	0.1	—	—	—	—	—	—	—	—	—	—
6	19.0	28.0	21.2	22.4	29.9	18.0	17.0	15.1	12.7	13.2	13.7	92	44	70	69	6.9	—	—	—	—	—	—	—	—	—	—	—	—
7	18.8	27.6	21.0	22.1	28.3	17.4	16.3	14.6	12.4	14.9	14.0	90	45	80	72	4.1	—	—	—	—	—	—	—	—	—	—	—	—
8	18.1	28.5	20.6	22.0	30.0	17.3	16.4	13.8	11.8	15.2	13.6	90	40	84	71	7.4	—	—	—	—	—	—	—	—	—	—	—	—
9	17.0	30.4	22.4	23.0	31.9	14.8	14.0	13.7	9.6	15.4	12.9	94	30	76	67	10.0	—	0.1	—	—	—	—	—	—	—	—	—	—
10	19.1	24.5	20.5	21.2	30.0	18.4	18.0	14.8	14.4	15.5	14.9	90	63	86	80	5.1	—	0.7	—	—	—	—	—	—	—	—	—	—
11	19.2	26.8	20.2	21.6	27.0	17.4	16.6	14.8	12.3	15.9	14.3	94	46	90	77	2.3	6.2	—	—	—	—	—	—	—	—	—	—	—
12	15.2	30.1	21.4	22.0	31.2	15.0	14.2	11.6	10.2	16.2	12.7	90	32	85	69	10.2	—	—	—	—	—	—	—	—	—	—	—	—
13	18.6	31.3	21.8	23.4	33.5	15.5	14.2	15.2	10.4	13.6	13.1	94	30	70	65	10.8	—	—	—	—	—	—	—	—	—	—	—	—
14	19.6	31.0	20.8	22.0	32.0	15.0	14.1	12.5	8.6	12.4	11.2	94	25	70	63	8.5	2.8	—	—	—	—	—	—	—	—	—	—	—
15	16.0	28.8	20.6	21.5	29.0	14.0	13.4	12.1	12.1	14.5	13.0	90	40	80	70	7.7	—	—	—	—	—	—	—	—	—	—	—	—
16	18.1	26.8	20.0	21.2	29.5	17.6	17.0	13.6	13.2	13.1	13.3	88	50	75	71	4.6	0.3	—	—	—	—	—	—	—	—	—	—	—
17	19.0	27.5	20.0	21.6	29.2	17.6	17.0	13.9	12.0	14.1	13.3	85	44	80	70	6.2	—	—	—	—	—	—	—	—	—	—	—	—
18	16.0	31.9	22.0	23.0	32.2	14.0	12.6	11.7	9.4	13.8	11.6	86	26	70	61	9.4	—	—	—	—	—	—	—	—	—	—	—	—
19	17.6	30.5	23.0	23.5	33.6	15.6	14.3	13.0	9.7	14.8	12.5	86	30	70	62	9.5	—	—	—	—	—	—	—	—	—	—	—	—
20	17.0	30.9	22.2	22.6	32.6	15.1	14.3	12.3	8.8	13.3	11.5	85	26	71	61	8.9	—	—	—	—	—	—	—	—	—	—	—	—
21	17.3	32.6	22.6	23.8	33.5	15.2	15.2	13.2	9.0	14.7	12.3	90	24	70	61	10.1	—	—	—	—	—	—	—	—	—	—	—	—
22	17.4	31.8	20.6	22.6	32.5	15.5	13.5	12.5	9.4	11.9	11.3	84	26	66	59	9.6	—	—	—	—	—	—	—	—	—	—	—	—
23	16.0	32.8	20.6	22.5	33.5	14.0	12.0	12.0	8.4	11.8	10.7	88	22	64	58	10.5	—	—	—	—	—	—	—	—	—	—	—	—
24	17.0	30.0	22.5	23.0	31.3	14.6	13.3	12.7	9.6	13.4	11.9	88	30	65	61	8.4	—	—	—	—	—	—	—	—	—	—	—	—
25	19.0	32.4	25.0	25.4	34.9	17.4	16.5	14.8	9.2	13.4	12.5	90	25	56	57	8.7	—	—	—	—	—	—	—	—	—	—	—	—
26	19.3	32.0	23.4	22.8	31.6	17.5	16.5	14.1	12.1	15.3	13.8	85	40	80	68	5.7	—	—	—	—	—	—	—	—	—	—	—	—
27	17.0	32.0	24.4	24.3	32.5	14.6	13.4	13.6	9.4	12.6	11.9	95	26	55	59	10.3	—	—	—	—	—	—	—	—	—	—	—	—
28	17.8	32.0	22.8	23.8	33.2	16.6	15.4	13.7	9.1	12.5	11.8	90	25	60	58	8.2	—	—	—	—	—	—	—	—	—	—	—	—
29	18.3	29.6	23.0	23.5	31.2	16.6	15.2	13.3	10.9	12.6	12.3	85	35	60	60	7.2	—	—	—	—	—	—	—	—	—	—	—	—
30	17.4	29.9	17.4	19.5	27.1	16.5	16.0	14.2	12.5	13.3	13.3	95	30	78	73	1.6	38.0	0.3	25.7	26.4	—	—	—	—	—	—	—	
31	17.4	26.6	20.0	21.0	27.8	17.0	16.0	13.6	12.8	14.1	13.5	91	48	80	73	2.9	0.4	0.1	—	—	—	—	—	—	—	—	—	—
Med	17.7	29.4	21.3	22.4	30.9	16.2	15.2	13.5	10.9	14.1	12.8	90	36	74	67	7.4	1.6	—	0.9	2.5	—	—	—	—	—	—	—	—

Precipitación total : 77.9 mm.

DATOS DIARIOS

Estación San Fernando Mes Agosto Año 1969 $\phi = 5^{\circ} 04' N$ $\lambda = 75^{\circ} 43' WGR$ Altura 1.110 M.

Días	TEMPERATURAS						TENSION DEL VAPOB. / mm						Humedad Relativa %			NUBOSIDAD	Brillo Solar Horas	PRECIPITACION in m			EVAPORACION mm	VIENTOS					
	7		14		20		7		14		20		7		14			20		7		14		20			
	Med.	Máx.	Min.	Subm.	Min.	Subm.	Med.	Máx.	Min.	Subm.	Med.	Máx.	Min.	Subm.	Med.			Máx.	Min.	Subm.		DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA
1	18.1	28.2	20.6	21.9	29.5	17.8	17.0	14.6	10.9	15.0	13.5	94	38	82	71	6.1	1.7	0.2	---	---	---	---	---	---	---		
2	17.5	30.5	24.0	24.0	29.8	16.0	14.5	13.4	9.7	14.3	12.5	90	30	64	61	9.4	---	---	---	---	---	---	---	---	---		
3	19.1	28.5	22.0	22.9	29.9	18.2	17.0	14.8	10.4	15.8	13.7	90	36	80	69	5.8	---	---	0.1	---	---	---	---	---	---		
4	18.0	29.8	23.0	23.4	31.5	18.0	17.0	13.8	9.4	14.8	12.7	90	30	70	63	8.7	---	---	---	---	---	---	---	---	---		
5	18.4	29.5	20.6	22.3	30.8	17.6	15.5	14.2	11.2	15.0	13.5	90	36	82	69	5.7	---	---	---	---	---	---	---	---	---		
6	19.0	31.1	20.0	22.5	32.3	18.0	16.6	15.1	11.9	14.4	13.8	92	35	83	70	7.3	---	---	---	---	---	---	---	---	---		
7	19.0	29.8	20.6	22.5	30.4	17.7	17.0	15.5	12.5	15.0	14.3	94	40	83	72	5.2	0.5	0.1	---	---	---	---	---	---	---		
8	19.0	29.2	19.0	21.6	29.6	16.0	17.2	15.5	12.2	14.8	14.2	95	40	90	75	4.8	5.5	0.3	3.3	3.7	---	---	---	---	---		
9	18.0	26.5	21.0	21.6	28.5	17.4	17.0	13.8	10.3	14.9	13.0	90	40	80	70	5.0	0.1	---	---	---	---	---	---	---	---		
10	18.5	27.8	21.8	22.5	29.8	17.0	16.5	15.1	11.1	14.8	13.7	94	40	76	70	8.0	0.2	---	---	---	---	---	---	---	---		
11	20.0	27.8	19.0	21.3	27.5	18.8	17.5	15.8	14.4	13.2	14.5	90	51	80	74	1.4	---	---	---	---	---	---	---	---	---		
12	17.0	29.6	22.2	22.8	29.8	15.4	14.6	13.2	11.8	14.6	13.2	91	38	72	67	7.3	---	---	---	---	---	---	---	---	---		
13	18.8	27.0	21.0	21.8	27.4	16.1	17.4	16.0	12.8	15.6	14.8	98	48	84	77	2.7	---	---	---	---	---	---	---	---	---		
14	18.8	27.0	22.0	22.4	29.6	16.2	17.6	15.4	11.9	13.8	13.7	94	44	70	69	7.4	---	---	0.3	---	---	---	---	---	---		
15	18.8	25.8	20.6	21.4	27.8	16.0	17.0	15.0	12.5	15.3	14.3	93	58	85	76	4.6	4.8	3.6	---	---	---	---	---	---	---		
16	18.0	27.0	20.8	21.6	28.2	17.3	17.0	14.7	12.5	15.8	14.3	95	45	86	76	4.9	88.0	13.0	0.1	30.0	---	---	---	---	---		
17	18.2	26.4	21.8	22.0	28.3	18.0	17.0	14.8	11.7	16.4	14.3	94	45	83	74	2.9	16.9	0.6	---	---	---	---	---	---	---		
18	19.0	28.9	20.9	22.3	29.8	18.6	18.2	15.2	11.8	15.5	14.2	93	40	85	73	7.8	8.9	14.2	0.3	20.8	---	---	---	---	---		
19	18.0	26.5	20.9	21.6	28.5	17.4	17.0	14.7	10.3	14.7	13.2	95	40	80	72	2.9	20.5	---	---	---	---	---	---	---	---		
20	18.2	25.0	20.6	21.1	27.0	17.8	17.0	15.1	12.9	15.0	14.3	96	54	83	78	2.9	---	---	2.6	---	---	---	---	---	---		
21	18.6	26.2	22.0	22.2	29.2	17.8	17.0	14.8	13.5	16.8	15.0	93	53	85	77	4.9	3.8	---	---	---	---	---	---	---	---		
22	18.2	29.5	22.4	23.1	29.9	17.1	16.3	14.8	11.7	12.8	13.1	94	38	63	65	6.3	3.0	---	---	---	---	---	---	---	---		
23	18.0	27.0	21.6	22.0	28.0	16.6	16.0	14.7	13.4	14.4	14.2	95	50	74	73	5.0	5.0	53.6	---	20.9	---	---	---	---	---		
24	19.0	27.0	20.6	21.8	28.0	18.5	18.0	15.9	12.2	15.6	14.6	96	45	86	76	1.7	20.2	---	---	---	---	---	---	---	---		
25	19.0	27.7	20.0	21.7	28.0	18.5	17.5	15.7	11.1	13.0	13.3	95	40	74	70	2.7	20.2	---	---	---	---	---	---	---	---		
26	18.4	29.0	22.0	22.8	29.8	18.0	17.0	15.0	10.9	13.8	13.2	94	36	70	67	6.5	16.3	0.5	---	---	---	---	---	---	---		
27	19.0	27.2	22.0	22.6	29.0	18.4	18.0	14.8	11.0	15.8	13.9	90	40	80	70	5.0	8.7	1.6	---	---	---	---	---	---	---		
28	18.8	27.4	20.8	22.0	28.4	18.5	17.6	14.8	11.2	14.0	13.3	90	40	76	69	4.0	14.5	---	---	---	---	---	---	---	---		
29	18.8	29.0	21.8	22.8	29.6	18.4	17.6	15.5	10.9	16.0	14.1	95	36	82	71	5.8	8.8	0.1	---	---	---	---	---	---	---		
30	19.0	31.0	21.0	23.0	31.4	18.0	17.2	15.5	10.8	14.9	13.7	94	32	80	69	8.1	---	---	---	---	---	---	---	---	---		
31	18.0	28.8	22.0	22.7	29.6	17.6	17.0	14.6	10.7	15.8	13.7	94	36	80	70	7.7	28.6	---	---	---	---	---	---	---	---		
Med.	18.5	28.1	21.2	22.3	29.4	17.8	16.9	14.9	11.6	14.9	13.8	93	41	79	71	5.6	10.7	1.3	0.1	12.8	---	---	---	---	---		

Precipitación total : 397.2 m.m.

DATOS DIARIOS

Estación Santiago Mes Noviembre Año 1899 ϕ 35° 04' N λ 75° 41' W.G.R. Altura 1,130 M.

Días	TEMPERATURAS °C				TENSION DEL VAPOUR mm				Humedad Relativa %			NUBOSIDAD DECIMOS		Brillo Solar Horas		PRECIPITACION mm			VIENTOS							
	14	20	Med.	Máx.	Mín.	Mín. Saño	7	14	20	Med.	7	14	20	Med.	7	14	20	Total	7	14	20	DIRECCION	FUERZA	DIRECCION	FUERZA	
1	19.0	27.6	20.2	21.8	28.4	18.3	17.0	14.8	13.7	15.5	16.7	50	49	88	76	3.9	10.1	0.9								
2	20.0	30.2	21.6	23.4	30.6	18.2	17.2	15.0	12.8	15.4	14.4	86	40	80	69	9.2										
3	19.8	28.9	21.0	22.7	31.0	18.2	17.2	16.0	11.1	15.5	14.2	93	35	89	72	9.3	5.5									
4	19.3	30.9	23.4	24.2	31.2	17.6	16.2	14.2	11.3	14.3	13.3	86	34	66	62	8.2										
5	19.2	30.0	19.3	19.4	26.0	18.8	18.0	16.4	14.7	15.9	15.7	98	84	95	92	2.3	22.7	0.1	12.0	12.2						
6	18.6	28.6	21.4	22.5	29.9	17.8	17.2	15.5	11.9	16.3	14.6	96	40	86	74	7.8	0.1									
7	18.8	27.4	19.2	21.2	28.0	18.0	17.6	15.4	12.1	16.1	14.5	94	44	96	78	7.2	17.7	0.2	1.0	15.7						
8	18.6	26.5	18.2	20.4	27.6	18.0	17.0	15.2	10.7	15.1	13.7	94	40	96	77	4.6	14.5		11.8	11.6						
9	18.5	29.0	21.0	22.4	30.5	18.0	17.2	15.2	9.0	17.0	13.7	95	30	91	72	7.5										
10	19.2	25.6	19.0	20.7	27.6	18.0	17.6	15.2	13.8	14.8	14.8	95	56	90	80	4.1	25.2	0.6	1.1	1.7						
11	18.2	29.4	20.2	21.0	29.8	17.2	15.8	14.9	10.8	16.1	13.9	95	40	91	75	5.7										
12	18.0	27.5	20.2	21.5	29.4	17.7	17.0	13.8	12.3	15.9	14.0	90	45	90	75	6.1	30.6									
13	19.0	29.9	20.3	22.4	30.8	17.0	16.5	14.6	9.4	15.8	13.3	90	30	90	70	7.4										
14	19.6	29.8	19.2	22.0	30.2	17.5	17.0	15.4	8.6	15.3	13.1	94	36	95	74	5.3										
15	18.8	28.2	20.5	22.0	29.9	17.7	17.0	15.4	8.6	15.3	13.1	94	30	85	70	9.5	0.7									
16	19.8	27.2	21.2	22.4	28.8	18.8	18.1	16.4	12.1	15.8	14.8	95	44	84	74	6.2	0.6		0.3	12.0						
17	18.2	26.9	20.5	21.5	29.0	17.6	17.0	14.8	13.2	16.4	15.7	96	60	92	81	4.6	0.8									
18	19.2	29.2	20.5	21.3	27.2	18.0	17.6	16.1	14.4	16.6	15.7	96	40	86	72	7.9	5.5	0.1								
19	19.0	27.2	18.4	20.7	28.8	18.2	17.5	14.5	12.5	14.4	13.8	88	46	91	75	5.1										
20	17.6	27.5	20.0	21.3	28.8	16.0	15.2	14.5	11.0	16.3	13.2	96	40	86	74	6.1										
21	17.6	28.6	21.8	22.5	29.9	15.0	14.2	14.2	12.1	16.7	14.3	94	40	86	74	6.1										
22	19.2	27.0	19.2	21.2	28.5	18.6	17.6	15.9	14.7	15.0	15.2	95	55	90	80	5.5										
23	18.5	30.5	22.2	23.4	31.6	16.2	14.6	13.2	11.8	14.3	13.7	95	36	70	67	10.4										
24	19.8	27.0	20.8	22.1	27.6	19.2	18.5	16.4	11.9	15.8	14.7	95	44	86	75	6.0	1.5									
25	19.8	23.5	20.0	20.8	28.9	18.0	17.2	16.2	10.9	16.1	14.4	94	50	92	79	4.2										
26	19.1	28.6	20.2	22.0	29.8	18.8	18.1	14.8	11.9	16.3	13.7	90	40	80	70	10.1										
27	19.0	28.2	21.3	22.4	30.4	17.4	16.5	15.7	11.5	15.9	14.4	95	40	85	73	10.1	1.9	0.1								
28	20.0	29.5	20.8	22.8	31.4	17.2	16.0	15.9	11.1	16.0	14.3	91	36	87	71	7.2	0.2									
29	19.8	28.2	20.0	22.0	28.8	18.6	17.5	16.4	11.8	15.9	14.7	95	41	91	76	7.9	0.5	0.6								
30	18.6	28.0	21.4	22.6	29.9	16.0	14.6	14.0	12.1	16.2	14.1	87	40	85	71	9.0										
31																										
Med.	19.0	27.7	20.4	21.9	29.3	17.7	16.8	15.3	12.0	15.5	14.3	93	43	87	74	6.7	5.0	0.4	1.8	7.0						

DATOS DIARIOS

Estación S. A. N. T. A. G. U. A. S.

Mes D. I. C. I. E. M. B. R. O.

Año 19 6 9

φ 5° 04' N λ 75° 41' WGR

Altura 1.120 M.

Días	TEMPERATURAS						TENSIÓN DEL VAPOR						Humedad Relativa			NUBOSIDAD DECIMOS	Brillo Solar Horas	PRECIPITACION			VIENTOS			EVAPORACION				
	Med.		Máx.		Mín.		Med.		Máx.		Mín.		7	14	20			m m			7	14	20		7	14	20	Total
	7	14	20	Med.	Máx.	Mín.	Mínima Scala	7	14	20	Med.	7						14	20	7									14	20
1	19.8	26.6	21.0	22.1	28.8	18.4	17.5	16.0	10.3	15.6	14.0	93	40	84	72	7.7	2.6	—	13.8	27.0	—	—	—	—	—	—		
2	19.4	29.0	20.2	22.2	30.0	18.2	17.0	15.6	13.7	13.6	14.3	93	45	76	71	7.5	13.2	—	—	—	—	—	—	—	—	—		
3	19.2	27.4	21.5	22.4	28.6	18.8	18.0	15.0	13.3	13.4	13.9	90	48	70	69	5.5	—	—	—	—	—	—	—	—	—	—		
4	18.5	27.0	20.0	21.4	29.0	17.5	16.5	15.2	12.2	12.8	14.4	95	45	71	71	2.3	3.4	—	—	—	—	—	—	—	—	—		
5	19.8	26.4	20.5	21.8	28.4	19.0	18.5	16.4	12.0	12.5	14.6	95	46	86	76	3.9	11.6	—	—	—	—	—	—	—	—	—		
6	19.0	28.0	20.0	21.8	28.5	17.8	16.8	15.1	12.8	13.8	14.8	95	45	90	77	3.1	1.0	—	—	—	—	—	—	—	—	—		
7	18.8	29.0	21.0	22.4	29.5	17.1	15.8	15.5	12.1	16.7	14.8	95	40	75	68	3.1	—	—	—	—	—	—	—	—	—	—		
8	19.8	29.5	20.6	22.6	31.5	18.8	18.2	16.2	11.1	16.2	14.5	94	36	90	73	8.1	—	—	—	—	—	—	—	—	—	—		
9	19.4	29.6	20.3	21.4	27.0	18.4	17.6	16.3	12.3	16.4	15.0	96	50	92	79	2.6	—	—	—	—	—	—	—	—	—	—		
10	19.6	30.4	22.5	23.8	32.5	18.2	17.4	15.4	10.8	15.5	13.9	90	33	76	66	9.7	3.5	—	—	—	—	—	—	—	—	—		
11	19.3	29.9	21.4	23.0	31.0	18.8	18.0	16.1	12.5	16.0	14.9	96	40	84	73	8.7	—	—	—	—	—	—	—	—	—	—		
12	19.0	24.0	20.2	20.8	24.2	18.4	17.8	16.2	13.5	13.9	15.2	98	60	90	83	—	—	—	—	—	—	—	—	—	—	—		
13	18.8	27.8	19.8	21.6	28.8	17.1	16.0	15.4	11.1	14.8	13.8	94	40	86	73	5.6	15.4	—	—	—	—	—	—	—	—	—		
14	19.5	28.5	20.0	22.0	29.8	18.0	17.0	16.4	13.1	14.9	14.8	96	44	85	75	7.1	0.3	—	—	—	—	—	—	—	—	—		
15	19.4	28.6	21.6	23.4	31.6	16.8	15.6	15.2	10.6	16.4	14.1	90	32	85	69	10.5	12.6	—	—	—	—	—	—	—	—	—		
16	17.8	29.9	22.0	22.9	31.0	16.0	15.4	14.4	10.5	15.8	13.6	94	33	80	63	7.9	—	—	—	—	—	—	—	—	—	—		
17	18.8	28.3	22.0	22.8	28.8	18.0	17.1	15.7	15.5	14.8	15.3	96	54	74	75	4.1	—	—	—	—	—	—	—	—	—	—		
18	19.0	29.9	20.6	22.5	31.0	18.6	17.5	15.9	9.4	15.9	13.7	96	30	86	71	6.2	—	—	—	—	—	—	—	—	—	—		
19	19.6	30.8	23.0	24.1	31.7	18.8	18.0	15.4	13.1	16.9	15.1	90	40	86	74	8.2	0.9	—	—	—	—	—	—	—	—	—		
20	19.5	29.0	20.5	22.4	29.9	19.0	18.5	16.2	13.7	16.1	15.3	95	45	90	77	5.5	1.3	—	—	—	—	—	—	—	—	—		
21	17.6	29.0	22.1	22.7	29.9	16.5	15.4	14.5	13.7	16.8	15.0	96	45	85	75	6.0	—	—	—	—	—	—	—	—	—	—		
22	19.0	25.6	19.8	21.0	27.3	18.6	18.0	15.9	12.3	15.6	14.6	96	50	79	70	4.3	—	—	—	—	—	—	—	—	—	—		
23	18.0	29.9	22.2	23.1	31.4	16.5	15.0	15.2	11.1	17.2	14.5	98	35	56	73	9.1	—	—	—	—	—	—	—	—	—	—		
24	20.0	29.5	22.8	23.8	31.5	19.0	18.2	16.4	12.1	14.7	14.5	94	40	70	68	7.6	2.7	0.2	—	—	—	—	—	—	—	—		
25	20.5	30.6	23.2	23.9	31.4	19.0	18.0	15.8	12.9	17.2	15.3	88	40	85	71	6.5	3.3	0.2	—	—	—	—	—	—	—	—		
26	19.0	28.4	23.0	23.4	29.8	17.8	17.0	14.9	10.5	16.9	14.1	91	36	80	69	5.1	0.7	—	—	—	—	—	—	—	—	—		
27	19.8	30.8	21.2	23.2	32.0	18.8	18.0	16.7	13.1	16.9	15.6	96	40	90	75	8.8	15.0	0.1	—	—	—	—	—	—	—	—		
28	18.8	31.6	22.0	23.6	32.6	17.0	16.4	15.0	10.7	17.3	14.3	93	30	86	70	8.8	0.3	—	—	—	—	—	—	—	—	—		
29	17.0	30.6	22.0	22.9	33.0	16.2	15.2	13.8	9.8	15.8	13.1	95	30	80	68	9.9	—	—	—	—	—	—	—	—	—	—		
30	17.6	30.9	22.0	23.1	31.9	15.8	14.5	14.5	9.3	15.8	13.4	96	30	80	69	8.6	—	—	—	—	—	—	—	—	—	—		
31	19.3	30.6	23.8	24.4	31.4	19.0	18.4	15.9	11.9	15.6	14.5	95	33	70	66	9.6	0.6	0.2	—	—	—	—	—	—	—	—		
Med	19.1	28.9	21.3	22.7	30.1	17.9	17.0	15.6	12.0	15.9	14.5	94	40	84	73	6.5	3.0	—	—	—	—	—	—	—	—	—		

Precipitación total : 106.3 m.m.

RESUMEN MENSUAL Y ANUAL

ESTACION: Santiago

AÑO: 1969

U DI U M Σ	PRESION ATMOSFERICA SOBRE 800 MM. HG.				TEMPERATURA OC				TEMPERATURAS EXTREMAS OC				HUMEDAD RELATIVA %				TENSION DEL VAPOR MM. HG.				NUBOSIDAD EN DECIMO				ESTADO SOLAR HORAS				PRECIPITACION			
	MAXIMA		MINIMA		MEDIA		DA		MINIMA		MAXIMA		MEDIA		ABSOLUTA		MINIMA		ABSOLUTA		ABSOLUTA		MEDIA		DA		SUMA		DIAS LUVIOSOS		MAXIMA	
	7	14	20	MEDIA	7	14	20	MEDIA	7	14	20	MEDIA	7	14	20	MEDIA	7	14	20	MEDIA	7	14	20	MEDIA	7	14	20	MEDIA	7	14	20	MEDIA
ENERO	17.6	20.9	21.0	22.2	29.9	16.9	33.6	31	14.6	31	15.7	92	38	77	69	25	16.6	6.8	13.0					50.3	2.4	15.8	60.5	16	34.6	14		
FEBRERO	18.6	30.3	22.0	23.2	31.4	17.9	33.8	7	12.6	1	17.0	91	34	73	66	25	16.7	8.9	13.3	7.2				37.6	6.4	3.4	47.4	13	13.8	24		
MARZO	19.0	30.3	22.7	23.7	31.9	18.2	35.3	16	15.0	17	17.0	89	34	70	64	24	16.4	8.7	13.3	6.2				91.0	1.9	10.3	104.6	10	42.0	27		
ABRIL	19.7	28.7	21.9	23.0	30.0	18.8	34.0	27	17.3	23	18.1	90	46	81	72	31	17.3	10.0	14.8	5.0				223.2	7.6	92.2	346.3	22	51.2	5		
MAYO	19.5	28.0	22.0	22.9	29.3	18.6	31.8	7	16.0	6	17.7	92	48	82	74	36	17.6	11.3	15.1	4.9				262.0	49.4	30.1	325.3	26	47.2	14		
JUNIO	19.2	27.3	21.5	22.4	29.5	18.4	31.6	29	16.8	17	17.6	91	48	84	74	33	17.5	10.5	14.6	5.4				142.4	32.8	23.4	190.9	24	61.0	10		
JULIO	17.7	29.4	21.8	22.4	30.9	16.2	33.6	19	14.0	7	15.2	90	36	74	67	22	16.2	8.4	12.8	7.4				48.5	1.7	26.8	77.9	13	38.0	29		
AGOSTO	18.5	28.1	21.2	22.3	29.4	17.8	32.8	2	15.4	12	16.9	93	41	79	71	30	16.8	9.4	13.8	5.6				331.6	61.0	3.5	397.2	24	91.6	15		
SEPTIEMBRE	18.9	28.2	20.7	22.1	29.8	17.5	34.2	13	15.5	5	16.4	91	41	84	72	23	17.1	8.6	13.9	6.0				196.1	11.1	7.5	243.9	20	51.8	30		
OCTUBRE	18.4	27.1	20.1	21.4	28.8	17.1	31.8	31	14.4	14	16.3	90	46	87	74	30	16.7	9.4	13.8	5.9				250.7	27.1	42.6	278.7	21	46.8	4		
NOVIEMBRE	19.0	27.7	20.4	21.9	29.3	17.7	31.6	23	15.0	21	16.8	93	43	87	74	30	17.0	8.6	14.3	6.7				150.0	12.8	54.9	210.2	24	40.6	11		
DECEMBRE	19.1	28.9	21.3	22.7	30.1	17.9	33.0	29	15.8	30	17.0	94	40	84	73	30	17.3	9.4	14.5	6.5				94.3	0.8	13.8	106.3	18	27.0	1		
MEDIA ANUAL	18.8	28.6	21.3	22.5	30.8	17.8	33.1	-	15.2	-	16.8	91	41	80	71	26	16.9	9.3	13.9	(6.1)				156.5	16.3	27.0	199.8	233	45.5			

PRECIPITACION TOTAL: 2.397.2

PRECIPITACION MAXIMA: 91.6 - VII - 15

DIAS LUVIOSOS: 233

FRECUENCIA DE PRECIPITACION Y TEMPERATURA

AÑO: 1.969

ESTACION: Santiago

MESES	PRECIPITACION														TOTAL				TEMPERATURA					
	7 HORAS				14 HORAS				20 HORAS						TOTAL				Mínima		Máxima			
	Máx de:		Mín de:		Máx de:		Mín de:		Máx de:		Mín de:		Máx de:		Mín de:		Máx de:		Mín de:					
01	10	200	500	01	10	100	200	500	01	10	100	200	500	01	10	25	50	100	200	500	17 °C	19 °C	Mínimo	Máximo
ENERO	11	5	2	1	-	-	-	-	-	8	5	-	-	-	18	9	6	3	2	1	17	8	7	3
FEBRERO	5	4	2	-	7	1	-	-	-	2	1	4	-	-	13	6	5	3	3	-	4	10	2	8
MARZO	6	3	3	-	2	1	-	-	-	3	3	-	-	-	22	17	14	12	12	6	8	13	7	1
ABRIL	19	18	4	1	12	3	4	-	-	10	7	4	2	-	26	20	15	14	10	6	2	11	8	-
MAYO	19	17	9	5	14	3	2	1	-	11	6	1	-	-	24	14	9	6	5	4	2	7	12	-
JUNIO	18	10	4	2	14	2	1	1	-	12	4	-	-	-	13	5	4	3	2	2	2	9	9	5
JULIO	6	3	1	1	9	-	-	-	-	3	1	1	-	-	24	19	19	17	12	7	4	-	13	-
AGOSTO	20	17	10	6	13	5	2	-	-	8	2	-	-	-	20	15	13	12	7	4	1	11	3	14
SEPTBRE	14	12	7	4	7	3	-	-	-	11	8	3	-	-	21	16	12	11	8	6	-	14	-	-
OCTUBRE	14	10	6	6	12	3	1	-	-	10	8	4	-	-	24	16	13	11	10	4	-	5	1	14
NOVIEMBRE	18	11	7	3	11	1	-	-	-	10	8	4	-	-	18	12	9	6	5	1	-	8	5	10
DIEMBRE	17	13	5	-	5	-	-	-	-	1	1	1	-	-	23	15	12	10	5	1	-	9	6	26
SUMA ANUAL	167	107	63	35	4	117	22	6	2	82	47	12	3	-	233	155	123	105	78	46	6	96	56	109

FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.

MESES	PRECIPITACION HORARIA																								TOTAL
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	8-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	
ENERO	2	3	2	3	-	1	3	3	5	2	-	-	-	1	1	2	2	-	2	6	4	2	2	1	18
FEBRERO	2	2	3	1	3	1	1	1	4	2	-	-	-	-	-	1	1	1	-	-	-	-	1	1	10
MARZO	-	2	2	2	-	-	1	1	2	-	-	-	-	-	-	1	1	2	1	-	-	3	2	1	7
ABRIL	5	6	12	8	9	10	6	4	2	3	3	1	1	1	3	3	5	2	2	4	6	6	6	5	25
MAYO	8	8	8	8	8	5	4	6	8	3	2	2	1	1	3	3	3	2	3	5	8	9	9	8	27
JUNIO	9	7	7	7	4	6	6	5	5	3	1	-	3	1	5	1	3	3	5	3	3	2	5	6	25
JULIO	1	2	2	2	2	1	1	3	4	1	-	-	-	1	-	2	-	1	1	1	1	2	-	1	12
AGOSTO	10	8	10	10	7	3	8	7	8	4	1	1	-	-	-	-	-	2	2	2	2	4	2	7	24
SEPTBRE	9	9	10	11	7	5	4	4	3	2	1	-	-	-	-	4	-	1	2	1	1	5	6	8	22
OCTUBRE	8	5	5	8	7	8	4	4	7	3	2	-	1	2	2	3	3	7	6	-	5	6	4	6	21
NOVIEMBRE	5	5	7	8	7	8	6	7	2	2	1	1	-	2	4	2	4	4	3	4	4	4	5	5	27
DIEMBRE	4	6	7	5	5	4	5	-	1	1	1	2	-	-	-	-	1	1	-	-	4	3	2	4	19
SUMA ANUAL	64	63	75	73	59	52	49	45	51	26	12	7	6	7	16	24	20	24	29	25	37	46	44	52	237

DATOS DIARIOS

Estación El Cedral Mes Enero Año 1969 ϕ 4° 48' N λ 75° 43' W Altura 2.135 M.

Días	TEMPERATURAS °C					TENSION DEL VAPOR m.m.					Humedad Relativa %			NUBOSIDAD DECIMOS		Brillo Solar Horas		PRECIPITACION m.m.			EVAPORACION m.m.			VIENTOS									
	7	14	20	Med.	Máx.	7	14	20	Med.	Mín.	7	14	20	Med.	7	14	20	7	14	20	7	14	20	7	14	20	DIREC. CION	FUERZA Km./Hora	DIREC. CION	FUERZA Km./Hora	DIREC. CION	FUERZA Km./Hora	
	Mínima				Soleo																												
1	11.7	16.8	14.1	14.2	20.4	11.0	9.3	11.5	11.2	10.7	90	80	94	88	8.7	2.5																	
2	11.4	17.0	13.7	14.0	18.8	11.0	9.6	11.6	10.9	10.7	95	80	93	89	9.0	2.6	0.4																
3	10.5	18.2	14.3	14.1	19.7	9.7	8.7	10.4	10.3	9.8	91	66	86	81	7.3	3.9																	
4	9.6	20.0	14.4	14.6	21.2	9.3	8.2	10.1	10.9	9.7	93	58	90	80	4.7	7.0																	
5	11.0	19.1	14.7	14.9	20.3	10.3	9.4	11.5	12.0	11.0	95	70	95	87	7.3	3.9																	
6	11.6	19.1	14.3	14.8	20.4	11.0	9.2	11.5	10.9	10.5	91	70	80	84	6.0	5.0																	
7	11.0	19.8	14.3	14.8	22.0	10.6	8.9	11.5	10.9	10.4	90	67	90	82	5.0	7.3																	
8	10.4	21.0	13.6	14.6	21.8	10.0	8.8	10.5	10.0	9.8	93	56	85	78	4.7	7.9																	
9	11.0	20.3	14.6	15.1	21.6	10.0	9.2	9.9	10.5	9.9	93	56	85	78	3.0	8.9																	
10	11.4	21.0	15.4	15.8	22.0	11.0	9.6	12.3	8.4	10.1	95	66	66	76	5.0	0.6																	
11	12.0	18.1	14.1	14.6	20.0	10.6	9.4	12.9	10.8	11.0	90	83	80	88	8.7	1.4																	
12	13.4	15.0	14.3	14.2	17.0	12.3	10.8	11.7	11.6	11.4	93	92	96	94	9.0	0.2																	
13	13.0	18.0	14.6	15.0	20.0	12.1	10.5	13.6	12.1	12.1	94	88	97	93	8.6	1.8																	
14	12.4	16.3	13.7	14.0	18.0	11.6	10.3	11.0	11.3	10.9	95	80	96	90	10.0	0.8																	
15	12.7	14.9	13.0	13.4	16.3	12.2	10.6	10.8	10.9	10.8	96	86	96	93	10.0																		
16	10.6	15.7	12.8	13.0	19.4	10.0	8.7	11.6	10.4	10.2	90	86	94	90	7.3	4.2																	
17	11.8	19.0	15.0	15.2	21.0	11.3	9.3	9.1	12.3	10.2	90	55	96	88	6.7	5.1																	
18	13.0	18.0	12.6	14.0	18.6	12.4	10.5	10.8	10.4	10.6	95	70	95	87	7.2	1.2																	
19	11.7	19.0	14.0	14.7	19.0	11.3	9.9	9.9	11.5	10.4	95	60	96	84	10.0	1.0																	
20	11.0	17.9	14.0	14.2	18.3	10.7	9.5	11.1	11.1	10.6	96	72	93	87	6.7	2.0																	
21	12.6	18.3	13.6	14.5	19.7	11.0	9.9	10.2	11.2	10.4	90	65	96	86	6.7	3.3																	
22	11.7	17.4	13.7	14.1	18.8	11.3	9.7	11.4	11.1	10.7	93	76	94	88	10.0	2.7																	
23	12.6	15.9	13.8	14.0	16.1	11.7	10.3	12.1	11.2	11.2	94	80	95	93	10.0																		
24	12.0	15.4	12.4	13.0	18.1	11.8	10.0	11.3	10.3	10.5	95	86	95	92	8.7	1.7																	
25	11.0	18.2	13.2	13.9	19.4	10.6	9.4	11.1	10.7	10.4	95	71	95	87	7.7	3.8																	
26	11.0	19.0	13.3	14.2	20.0	10.6	8.9	11.5	10.9	10.4	90	70	96	85	8.0	4.0																	
27	10.6	19.3	13.0	13.8	20.0	9.4	8.8	11.7	10.5	10.3	95	70	94	86	6.0	4.0																	
28	10.6	21.2	16.0	16.0	21.4	10.4	8.7	11.3	12.7	10.9	90	60	93	81	5.7	5.0																	
29	11.0	20.0	13.6	14.6	20.0	10.4	8.9	13.0	10.9	10.9	90	74	94	86	9.0	3.1																	
30	10.5	19.3	14.3	14.6	20.0	10.0	8.6	12.5	11.4	10.8	90	75	94	86	6.0	4.0																	
31	10.5	21.0	14.5	15.1	21.8	10.0	8.4	10.3	11.1	9.9	88	55	70	71	7.0	6.8																	
Med.	11.4	18.4	14.0	14.4	19.7	10.8	9.4	11.3	11.0	10.6	92	72	89	85	7.5	3.7	1.0	0.7	4.6	6.2													

Precipitación total 198.7 m.m.

DATOS DIARIOS

Estación Zi Central Mes Febrero Año 1969 $\phi = 40^{\circ} 48' N$ $\lambda = 75^{\circ} 43' WGR$ Altura 2.135 M.

Días	TEMPERATURAS					TENSIÓN DEL VAPOR					Humedad Relativa			Brillo Solar Horas	PRECIPITACION			VIENTOS				
	7	14	20	Med.	Máx. Min.	Mínima Suelo	7	14	20	Med.	%				7	14	20	Total	DIRECCION	FUERZA	DIRECCION	FUERZA
											7	14	20										Med.	Med.
1	10.0	20.0	14.4	14.7	21.2	9.0	5.9	10.6	11.7	9.7	75	60	95	77	6.0	5.9						
2	12.0	22.4	15.0	16.1	23.1	11.6	10.0	10.3	11.3	10.5	96	80	88	78	5.0	8.2						
3	12.4	19.3	15.6	15.7	20.0	11.0	10.2	11.7	12.9	11.6	94	70	94	86	6.0	3.4						
4	12.0	16.0	13.0	13.5	20.4	11.4	9.8	10.3	10.7	10.3	93	76	96	88	8.7	3.1	2.2	0.5	2.7			
5	11.0	14.9	12.8	12.9	20.7	10.5	8.9	12.1	10.6	10.5	90	96	96	94	8.7	2.1	6.1	3.0	9.1			
6	11.0	18.0	15.3	14.9	19.3	10.4	8.9	12.4	12.2	11.2	90	80	94	88	8.3	3.2						
7	11.5	17.5	14.3	14.4	19.0	10.6	9.9	12.4	11.9	11.4	88	82	98	89	9.7	2.5	1.4		1.6			
8	12.8	18.3	14.5	15.0	19.0	12.0	10.5	11.1	11.9	11.2	95	71	96	87	10.0	1.5	0.2	0.1	1.0	1.1		
9	10.6	19.6	13.0	14.0	20.3	10.2	9.1	10.5	10.5	10.0	95	61	95	84	6.7	3.1	0.1	0.1	2.3	2.4		
10	11.0	17.6	15.3	14.8	19.0	10.0	9.3	12.8	12.3	11.5	94	85	95	91	6.0	3.3	0.6	2.4	3.0			
11	11.5	19.6	16.8	16.2	21.0	10.7	9.1	11.2	10.9	10.4	90	86	76	77	5.7	4.6	0.1	3.5	3.6			
12	11.0	18.0	13.6	14.0	20.5	10.9	8.7	11.6	11.1	10.5	88	75	75	86	6.7	3.9						
13	10.5	19.0	14.4	14.6	20.4	10.0	8.6	10.8	11.0	10.1	90	66	90	82	5.0	5.9						
14	11.8	18.6	14.7	15.0	20.6	11.0	9.9	11.9	12.0	11.3	85	74	95	85	6.0	4.3	0.3					
15	11.0	18.0	14.9	14.7	19.0	10.3	8.9	10.8	12.0	10.6	90	70	95	85	5.0	4.8						
16	11.4	18.3	13.6	14.2	19.4	10.6	8.6	11.0	11.2	10.3	85	70	96	84	6.0	2.6						
17	10.0	17.5	14.0	13.9	19.3	10.0	8.5	11.1	10.8	10.1	93	74	91	86	5.3	3.8	0.5	0.7	1.2			
18	11.0	20.0	14.7	15.1	21.0	10.0	8.9	10.6	12.1	10.5	90	60	96	82	6.7	3.4						
19	12.3	19.1	15.3	15.5	20.6	11.4	9.6	11.5	9.6	10.2	91	70	75	79	6.0	5.2						
20	13.0	17.7	15.4	15.4	18.3	12.3	10.4	12.3	12.6	11.0	93	81	96	90	10.0	1.3	0.2	1.0	1.5			
21	10.5	20.0	14.8	15.0	20.4	10.0	8.6	10.7	12.1	10.5	90	61	96	82	6.0	4.6	0.3					
22	10.9	19.2	15.3	15.2	20.4	9.5	8.9	10.0	12.2	10.4	91	60	94	82	5.0	6.3	0.4					
23	12.1	17.0	14.7	14.6	18.8	10.6	9.4	11.1	11.3	10.6	90	76	90	85	10.0	1.5						
24	12.3	18.4	14.0	14.7	20.0	11.0	9.6	11.2	11.0	10.6	90	70	92	84	9.0	2.6	0.2	0.1	5.6			
25	11.0	18.0	14.8	14.6	19.3	10.6	9.3	11.0	12.0	11.4	94	84	95	91	7.0	2.3	5.3					
26	13.8	16.3	14.6	14.8	15.9	12.6	10.4	11.5	11.6	11.2	90	63	92	82	6.0	5.1	1.2					
27	12.8	18.4	14.6	14.8	21.0	12.8	10.2	12.7	11.4	11.4	86	92	92	90	4.7	4.1						
28	12.8	18.4	15.0	15.3	20.3	12.2	10.0	13.9	11.7	11.9	90	88	92	90	8.0	2.8						
29																						
30																						
31																						
Med	11.6	18.5	14.6	14.8	20.1	10.8	9.3	11.5	11.5	10.8	90	72	93	85	6.9	3.8	0.2	0.5	2.5	3.3		

Precipitación total 91.7 mm.

DATOS DIARIOS

Estación M. G. O. S. R. S. Mes Marzo Año 1969 $\phi = 4^{\circ} 48' N$ $\lambda = 75^{\circ} 43' W$ G.B. Altura 2,135 M.

Días	TEMPERATURAS						TENSION DEL VAPOR						Humedad Relativa %			NUBESIDAD DECIMOS		Brillo Solar Horas		PRECIPITACION m.m.			EVAPORACION			VIENTOS			
	7	14	20	Med.	Max.	Min.	7	14	20	Med.	7	14	20	Med.	7	14	20	7	14	20	7	14	20	7	14	20	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA
	Mínima Señal						m.m.						%																
1	13.0	19.3	15.0	15.6	21.0	12.0	10.1	13.3	11.7	11.7	9.0	8.0	9.2	8.7	2.3														
2	14.0	15.9	14.3	14.6	18.0	13.0	10.8	12.9	11.5	11.7	9.1	9.6	9.5	9.4	0.3														
3	13.6	17.0	14.8	14.0	19.3	12.2	10.8	12.0	12.0	11.6	9.3	8.3	9.5	9.0	2.3														
4	13.4	15.3	13.3	14.1	18.8	12.0	10.4	12.4	10.8	11.2	9.0	9.0	9.5	9.2	0.7														
5	13.0	20.9	14.7	15.8	21.8	12.2	10.3	11.1	10.9	10.8	9.1	6.0	9.0	8.0	3.1														
6	12.0	21.6	15.0	15.9	22.0	11.8	9.4	10.0	11.6	10.3	9.0	5.2	9.1	7.8	5.3														
7	12.8	21.8	15.0	16.2	22.4	11.4	10.0	9.6	11.8	10.5	9.0	5.0	9.0	7.7	6.5														
8	12.0	20.3	14.3	15.2	21.6	10.8	9.0	10.7	10.9	10.2	8.5	6.0	9.0	7.8	2.4														
9	12.0	21.9	16.8	16.9	22.4	11.0	9.0	11.8	13.5	11.4	8.6	6.0	9.4	8.0	3.7														
10	12.8	19.9	17.0	16.7	22.0	12.0	10.2	12.0	13.5	11.9	9.2	7.0	9.3	8.5	4.8														
11	12.8	20.0	16.2	16.3	21.8	12.0	10.0	11.5	12.7	11.4	9.0	6.6	9.2	8.3	1.3														
12	12.0	18.0	14.8	14.9	20.0	11.9	9.7	11.4	11.6	10.9	9.2	7.3	9.2	8.6	3.0														
13	12.8	15.0	12.4	13.2	17.5	12.0	10.4	12.0	10.3	10.9	9.4	9.4	9.6	9.5	0.6														
14	12.0	18.3	14.6	14.9	20.0	10.7	9.6	11.4	11.2	10.7	9.1	7.2	9.0	8.4	3.7														
15	11.3	20.0	14.8	15.2	21.0	10.0	8.9	10.7	10.8	10.1	9.0	6.1	8.6	7.9	4.1														
16	11.0	24.0	16.7	17.1	24.0	9.7	8.4	10.2	11.5	10.0	8.5	4.6	8.0	7.0	8.9														
17	10.8	22.0	16.3	15.4	23.0	10.0	7.8	9.8	12.7	10.0	7.6	5.0	9.2	7.3	6.9														
18	11.5	18.0	14.0	14.4	19.2	10.7	8.6	11.8	10.8	10.4	8.3	7.6	9.0	8.3	2.1														
19	11.0	20.0	15.0	15.2	21.3	10.0	8.6	11.5	10.4	10.2	8.7	6.6	8.2	7.8	3.7														
20	12.0	18.0	14.6	14.8	19.9	11.4	9.1	12.4	11.2	10.9	8.7	8.0	9.0	8.6	2.2														
21	12.0	16.0	14.1	14.0	20.3	11.6	9.4	12.0	11.0	10.8	9.0	8.8	9.2	9.0	2.4														
22	12.8	20.0	15.0	15.7	22.0	11.7	10.0	11.1	11.6	11.0	9.0	6.3	9.3	8.2	2.1														
23	13.0	18.6	16.1	16.0	19.8	12.6	10.4	12.9	12.9	12.1	9.3	8.0	9.3	8.9	1.7														
24	11.7	19.0	16.4	15.9	20.4	11.4	9.5	12.5	13.0	11.7	9.2	7.6	9.5	8.8	2.2														
25	12.4	17.0	14.6	14.6	18.3	11.8	10.0	12.7	11.5	11.4	9.3	8.6	9.3	9.2	2.2														
26	13.0	18.0	14.5	15.0	19.2	12.7	10.5	12.7	11.5	11.6	9.5	8.2	9.3	9.0	2.0														
27	12.0	17.4	14.0	14.4	21.1	11.0	10.0	13.3	11.7	11.7	9.5	9.0	9.3	9.3	2.0														
28	13.0	19.0	15.8	15.9	21.0	12.6	10.4	12.2	12.7	11.8	9.3	7.3	9.4	8.7	1.1														
29	12.0	20.0	15.4	15.7	21.3	11.6	9.4	12.8	11.8	11.3	9.0	7.3	9.0	8.4	3.5														
30	12.0	19.6	15.8	15.8	20.8	11.8	9.2	12.9	12.5	11.8	9.4	7.5	9.3	8.7	3.8														
31	12.0	20.0	15.0	15.5	20.4	11.8	9.9	10.6	12.3	10.9	9.4	6.0	9.6	8.3	3.3														
Med.	12.3	19.1	15.0	15.4	20.7	11.5	9.7	11.7	11.7	11.1	9.0	7.2	9.2	8.4	3.0														

Precipitación total: 156.1 m.m.

DATOS DIARIOS

Estación F. O. O. d. r. e. l. Mes A. b. r. i. l. Año 19 69 $\phi = 4^{\circ} 48' N$ $\lambda = 75^{\circ} 43' W. G. R.$ Altura 2.135 M.

Días	TEMPERATURAS °C					TENSION DEL VAPOR mm					Humedad Relativa %			NUBOSIDAD Horas	PRECIPITACION mm			EVAPORACION mm	VIENTOS									
	7	14	20	Med.	Máx. Min.	Mínima Suelo	7	14	20	Med.	7	14	20		Med.	7	14		20	Total	7	14	20	DIRECCION FUERZA				
																								DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA
1	12.0	19.0	13.6	14.6	19.0	11.7	10.0	12.9	10.5	11.1	95	76	90	88	2.7	14.4	0.3	0.4	0.7									
2	12.5	18.8	14.8	15.2	20.9	10.5	9.7	12.4	10.8	11.0	90	76	86	84	2.8													
3	12.3	19.0	14.2	14.9	20.4	12.0	10.6	12.3	10.9	11.3	93	75	90	86	0.9													
4	14.0	17.2	14.3	15.0	19.6	12.3	10.0	13.2	11.6	11.6	83	90	96	90	1.4			0.2	27.9	30.8								
5	13.3	18.8	13.7	14.9	19.4	12.8	10.8	11.7	10.9	11.1	95	72	93	87	0.3	10.7			17.7	38.2								
6	13.3	15.5	14.7	14.6	18.8	13.0	10.9	12.2	12.0	11.7	96	92	95	94	0.8	20.5	30.5	5.0	50.0									
7	13.0	16.0	13.0	13.8	19.3	13.0	10.7	12.0	10.9	10.9	90	76	88	90	1.3	22.5	0.2	1.0	1.2									
8	11.8	18.4	14.0	14.6	19.2	11.0	9.7	12.8	11.4	11.3	93	80	95	89	1.4			4.0	3.0	34.1								
9	12.6	21.0	15.0	14.5	19.0	12.3	10.5	14.3	11.0	11.9	96	90	92	93	0.9	27.1	0.3	6.4	6.7									
10	12.6	21.0	15.0	15.9	21.3	11.6	11.1	12.1	10.9	11.4	96	95	93	95														
11	13.5	19.1	13.7	14.0	18.8	12.0	10.7	12.5	11.7	11.6	96	92	93	94	4.3													
12	13.0	16.0	13.7	14.1	21.2	12.2	10.1	11.2	11.1	10.8	90	84	93	89														
13	13.0	15.9	14.0	14.2	18.8	12.0	10.6	12.9	11.9	11.8	96	88	96	93	0.6													
14	12.8	17.3	14.6	14.8	18.8	12.1	10.6	11.8	11.2	11.0	96	82	93	90	0.5	26.4	0.5	19.8	44.7									
15	12.1	16.8	14.1	14.3	19.0	12.0	11.3	11.5	10.5	11.1	100	90	95	95	2.2	24.4	12.8	1.3	16.8									
16	13.0	15.0	13.0	13.5	17.0	12.4	10.6	11.8	12.1	11.5	96	75	96	89														
17	12.7	18.3	14.8	15.2	20.0	12.4	10.0	12.1	11.5	11.2	95	97	96	95	2.0													
18	12.0	15.0	14.0	13.8	19.1	11.6	10.1	12.5	11.5	11.4	91	86	93	90	0.6	0.6	0.6	3.6	1.1	4.7								
19	12.8	17.1	14.6	14.8	18.1	11.6	10.5	13.4	11.4	11.8	90	86	94	90														
20	13.6	18.0	14.2	15.0	20.3	12.3	9.8	13.3	11.4	11.5	90	90	93	91														
21	13.6	17.4	14.4	14.0	19.0	12.0	11.1	11.6	11.5	11.4	96	82	96	91	1.8													
22	13.5	16.5	14.0	14.5	17.0	12.8	10.5	12.0	10.9	11.1	95	82	94	90	0.4	0.2	5.1	12.1	26.9									
23	13.0	17.0	13.6	14.3	19.4	11.7	9.8	12.2	11.8	11.3	91	94	96	94	1.3													
24	12.5	15.3	14.4	14.2	16.9	11.6	10.5	11.6	10.9	11.0	95	91	95	94	0.1	26.1	13.7											
25	13.1	15.0	13.4	13.7	17.3	12.4	9.7	12.2	12.5	11.5	93	63	93	83	5.7													
26	11.8	21.6	15.7	16.2	22.3	10.7	9.1	11.6	13.1	11.3	86	56	90	77	6.0													
27	12.3	22.9	17.0	17.3	24.0	11.4	10.1	13.0	13.5	12.2	90	76	90	65	4.3													
28	13.0	21.0	16.5	16.8	21.8	12.4	10.7	12.8	11.5	11.7	90	80	93	88	0.9													
29	13.8	18.4	14.6	15.4	21.0	12.4	8.9	12.3	11.9	11.0	83	90	96	90	2.4													
30	12.4	16.0	14.3	14.2	19.4	11.6																						
31																												
IN Ed.	12.6	17.6	14.3	14.8	19.5	12.0	10.3	12.3	11.4	11.4	93	82	93	90	1.6	6.2	6.3	6.1	18.3									

Precipitación total : 548.2 mm.

DATOS DIARIOS

Estación El Coedral Mes Mayo Año 1969 $\phi = 4^{\circ} 48' N$ $\lambda = 75^{\circ} 43' WGR$ Altura 2.135 M.

Días	TEMPERATURAS °C					TENSION DEL VAPOR m m					Humedad Relativa %					NUBESIDAD DECIMOS	Brillo Solar Horas	PRECIPITACION m m				EVAPORACION m m	VIENTOS							
	7	14	20	Med.	Máx. Min.	Mínima Suab	7	14	20	Med.	7	14	20	Med.	7			14	20	Total	7		14	20	Total	DIREC. FUERZA Km./Hora	DIREC. FUERZA Km./Hora	DIREC. FUERZA Km./Hora	DIREC. FUERZA Km./Hora	
																														7	14	20	Total	7	14	20	Total
1	13.1	15.6	15.0	14.7	19.3	12.5	10.5	12.5	12.1	11.7	95	94	95	95	2.1	0.8	2.2	0.1	2.3											
2	11.8	16.1	15.0	14.5	18.1	11.3	8.8	12.5	12.1	11.1	90	92	95	92	1.5	—	4.9	45.3	60.2											
3	12.4	16.8	14.7	14.6	20.3	11.6	10.0	12.9	12.0	11.6	93	90	93	93	3.3	10.0	0.2	—	13.8											
4	13.7	15.5	14.0	14.3	18.0	13.1	11.3	12.5	11.5	11.8	96	95	96	96	0.6	13.6	10.6	2.0	12.6											
5	12.7	16.0	14.3	14.3	16.6	12.6	10.6	11.2	11.1	11.1	96	83	94	91	4.0	—	17.4	8.2	25.6											
6	12.5	20.0	15.7	16.0			9.7	13.1	12.7	11.8	90	75	94	86	7.6	—	—	—	—											
7	13.0	21.0	14.0	15.5			10.4	11.8	10.8	11.0	92	63	90	82	3.6	—	—	1.2	1.2											
8	13.0	19.0	15.0	15.5			10.1	13.6	11.5	11.7	90	83	90	88	2.7	—	—	0.3	0.3											
9	14.0	18.0	13.0	14.5			11.2	12.4	10.1	11.2	94	80	90	88	0.3	—	—	7.5	19.9											
10	14.0	16.0	13.0	14.0			10.8	12.0	9.9	10.9	91	86	88	89	—	12.4	14.1	6.4	20.5											
11	13.0	21.0	12.0	14.5			10.1	13.0	9.2	10.8	90	70	88	83	4.0	—	1.5	3.4	4.9											
12	13.0	15.6	13.2	13.8			10.1	11.9	10.9	11.0	90	90	96	92	4.1	—	0.1	0.2	0.3											
13	15.0	17.0	12.0	14.0			11.5	13.1	9.9	11.5	90	90	94	91	0.5	—	0.1	0.3	3.1											
14	13.0	14.5	13.0	13.4			10.5	11.1	10.7	10.8	95	90	96	94	—	2.7	0.2	1.1	6.9											
15	14.0	17.0	15.0	15.2			11.5	11.6	12.3	11.8	96	80	96	91	—	5.6	7.8	2.6	10.4											
16	13.0	18.0	14.0	14.8			10.7	13.1	11.5	11.8	96	85	96	92	0.6	—	0.2	3.8	4.0											
17	13.5	17.0	13.0	14.1			11.0	10.2	10.3	10.5	95	70	91	85	1.7	—	1.7	0.7	2.4											
18	11.0	16.5	13.5	13.6			8.9	11.1	11.1	10.4	90	78	96	88	1.8	—	11.0	0.1	11.1											
19	13.0	17.0	15.0	15.0			10.5	11.6	12.8	11.6	94	80	100	91	1.9	—	7.5	11.3	18.8											
20	13.0	19.0	16.0	16.0			10.5	15.2	13.7	13.1	94	93	100	96	3.4	—	0.7	1.6	2.3											
21	15.0	18.0	15.7	16.1			12.3	12.4	13.2	12.6	96	80	98	91	1.3	—	—	—	—											
22	12.5	19.8	15.0	15.6	20.0	12.0	10.9	14.9	12.8	12.9	100	84	100	95	4.0	—	—	—	—											
23	15.0	19.0	15.0	16.0	20.0	14.5	12.8	13.6	12.3	12.9	100	83	96	93	1.3	0.3	0.3	0.2	0.5											
24	15.5	22.0	16.0	17.4	23.0	15.0	12.0	11.9	12.7	12.2	91	60	93	81	5.6	—	—	—	—											
25	13.0	19.8	17.0	16.7	20.0	12.0	10.1	13.9	14.0	12.7	90	80	96	89	6.8	—	—	—	—											
26	13.5	17.5	15.6	15.6	18.0	13.0	11.1	14.0	12.8	12.6	96	91	96	95	0.1	—	2.1	0.5	2.6											
27	13.0	19.5	16.0	16.1	19.5	12.5	10.7	14.8	13.1	12.9	98	88	96	93	2.0	—	—	1.5	1.5											
28	14.0	19.0	15.0	15.8	20.5	13.5	11.4	13.2	12.3	12.3	95	80	96	90	1.5	—	—	—	—											
29	14.0	18.0	16.0	16.0	20.0	13.6	11.4	13.8	13.7	13.0	95	90	100	95	1.0	3.4	—	—	0.2	0.2										
30	12.8	18.5	16.0	15.8	19.0	12.5	10.2	14.3	13.1	12.5	92	90	96	93	2.4	—	—	4.8	4.4											
31	15.0	19.0	15.5	16.2	19.3	14.0	12.1	12.3	12.7	12.4	95	75	96	89	0.3	—	0.4	2.1	2.7											
Med.	13.4	18.0	14.6	15.1	19.5	13.0	10.8	12.8	11.9	11.8	94	83	95	90	2.2	1.6	2.7	3.4	7.7											

Precipitación total: 237.9 m.m.

DATOS DIARIOS

Estación El Central Mes Julio Año 1969 $\phi = 48^{\circ} 48' N$ $\lambda = 75^{\circ} 43' WGR$ Altura 2,135 M.

Días	TEMPERATURAS $^{\circ}C$						TENSIÓN DEL VAPOR mm						Humedad Relativa %			NUBOSIDAD DECIMOS	Brillo Solar Horas	PRECIPITACION mm			VIENTOS		
	7		14		20		7		14		20		7	14	20			7		14		20	
	Med.	Max.	Min.	Húmedo Suelo	Med.	Max.	Min.	Med.	Max.	Min.	Med.	Max.	Min.	Total	DIREC.			FUERZA	DIREC.	FUERZA	DIREC.	FUERZA	
1	12.3	15.0	14.3	14.0	16.0	12.0	10.1	10.2	11.2	10.5	9.8	80	93	89	4.8								
2	13.5	20.0	15.0	15.9	20.0	13.0	10.5	7.0	12.0	9.8	8.0	40	40	94	75	5.4							
3	14.0	23.0	15.0	16.8	23.0	13.1	9.6	8.3	11.6	9.8	8.0	39	91	70	7.1								
4	12.5	21.0	15.3	16.0	21.0	12.0	9.7	13.0	11.6	11.4	9.0	70	90	85	8.6								
5	13.0	20.0	15.0	15.8	20.0	12.5	10.5	12.6	12.1	11.7	9.5	72	95	87	2.6								
6	13.0	17.3	14.6	14.6	18.0	12.4	10.5	13.2	9.6	11.1	9.0	80	88	88	4.3								
7	12.0	20.0	14.0	15.0	20.0	12.0	10.0	11.0	11.2	10.7	9.5	62	94	84	5.4								
8	13.8	22.0	14.7	16.3	22.2	13.5	11.2	10.5	11.3	11.0	9.5	53	90	79	6.1								
9	11.5	19.0	16.0	15.6	21.0	11.0	9.1	10.4	12.0	10.5	9.0	64	88	81	5.8								
10	12.4	20.0	14.6	15.4	20.4	12.3	9.7	14.1	11.8	11.9	9.0	80	95	88	3.0								
11	13.5	16.4	14.0	14.5	18.0	12.0	11.0	12.7	11.5	11.7	9.5	91	96	94	0.5								
12	13.0	20.0	15.0	15.8	21.3	12.0	10.1	10.6	11.5	10.7	9.0	60	90	80	8.7								
13	12.0	20.0	15.0	15.5	20.0	12.0	9.4	9.5	10.8	9.9	9.0	54	85	76	7.1								
14	13.0	20.0	15.0	15.8	20.2	12.0	9.5	9.6	10.8	10.0	8.5	55	85	75	1.7								
15	13.5	18.5	15.0	15.5	19.0	13.0	10.9	11.8	12.3	11.7	9.4	74	96	88	2.3								
16	12.8	19.3	16.0	16.0	21.3	12.7	10.3	11.7	11.4	11.1	9.1	70	84	82	4.7								
17	12.5	18.3	14.3	14.8	21.3	12.3	9.7	10.2	10.7	10.2	9.0	65	88	81	4.7								
18	12.8	22.0	15.0	16.2	24.5	12.7	9.3	9.3	10.2	9.6	8.4	46	80	70	9.8								
19	13.3	22.0	17.0	17.3	23.3	13.0	10.3	11.4	13.7	11.8	9.0	58	94	81	8.9								
20	14.0	22.0	15.2	16.6	23.0	12.3	10.8	9.1	10.8	10.2	9.0	46	84	73	8.3								
21	14.6	22.0	14.8	16.6	22.5	14.5	11.3	9.1	9.6	10.0	9.1	46	76	71	8.7								
22	13.0	22.0	14.7	16.1	22.0	12.5	10.3	6.8	10.0	9.0	9.1	35	80	69	8.4								
23	12.0	21.0	15.0	15.8	22.0	11.3	8.8	8.5	10.2	9.2	8.3	45	80	69	8.8								
24	13.0	19.8	15.0	15.7	22.4	13.0	8.9	10.8	10.4	10.0	8.0	62	82	75	6.0								
25	13.7	22.5	16.0	17.0	22.5	13.0	10.9	11.5	10.1	10.8	9.2	56	74	74	6.5								
26	14.6	21.0	17.8	17.8	22.0	14.5	11.4	9.2	7.8	9.5	9.2	50	51	64	7.3								
27	15.0	21.0	14.2	16.2	21.7	14.5	9.6	7.5	8.9	8.7	7.5	40	74	63	8.5								
28	13.0	23.2	14.3	16.2	24.0	12.6	10.7	10.8	9.6	10.4	9.6	90	80	75	9.1								
29	13.0	19.7	16.0	16.2	23.7	12.5	10.3	12.4	12.4	11.7	9.1	72	91	85	3.3								
30	13.0	20.0	14.3	15.4	21.0	12.4	10.5	12.3	12.2	11.7	9.4	71	100	88	1.1								
31	12.7	16.5	15.0	14.8	19.0	12.0	10.6	11.9	12.3	11.6	9.6	85	96	92	0.4								
Med.	13.1	20.1	15.0	15.8	21.2	12.6	10.2	10.5	11.0	10.6	9.0	61	86	79	5.9								
Precipitación total : 19.1 mm.																							

DATOS DIARIOS

Estación S i c e d r a l

Mes A g o s t o .

Año 1969

$\phi = 4^{\circ} 48' N$

$\lambda = 75^{\circ} 43' WGR$

Altura 2135 M.

Días	T E M P E R A T U R A S °C					TENSION DEL VAPOR m m					Humedad Relativa %				NUBOSIDAD DECIMOS			Brillo Horas	PRECIPITACION m m			EVAPORACION m m	VIENTOS					
	7	14	20	Med.	Máx.	Mín.	Mínima Subte	7	14	20	Med.	7	14	20	Med.	7	14		20	Total	DIREC. K m./Hora		FUERZA K m./Hora	DIREC. K m./Hora	FUERZA K m./Hora	DIREC. K m./Hora	FUERZA K m./Hora	
																												7	14	20	Total
1	13.8	15.6	14.5	14.6	19.0	13.5		11.9	11.8	11.7	11.8	100	88	95	94	2.1												
2	11.9	21.0	15.3	15.9	22.0	11.5		9.8	11.9	12.3	11.3	94	64	95	84	5.8												
3	12.7	20.5	14.0	15.3	22.3	12.0		10.1	7.2	8.7	6.7	91	40	73	68	4.5												
4	12.0	17.5	15.3	15.0	22.0	12.0		10.0	9.3	12.0	10.4	95	62	93	83	4.8												
5	14.0	20.8	14.5	16.0	22.0	14.0		11.4	10.0	10.3	10.6	95	54	84	78	6.0												
6	12.8	20.0	15.3	15.8	22.3	12.0		10.0	10.6	12.0	10.9	90	60	93	81	4.8												
7	14.0	19.0	15.0	15.8	21.8	12.5		11.1	12.5	12.4	12.0	93	76	97	89	2.1												
8	13.0	19.0	15.0	15.5	20.0	13.0		10.5	11.5	12.8	11.6	95	75	100	90	3.9												
9	11.8	18.0	14.9	14.9	20.0	11.0		9.9	11.6	12.1	11.2	96	75	96	89	2.1												
10	11.6	19.0	15.3	15.3	21.0	11.3		9.8	11.5	12.4	11.2	95	70	96	87	4.3												
11	12.0	16.5	13.5	13.9	18.5	14.0		10.0	12.5	11.7	11.4	96	89	100	95	1.9												
12	11.0	18.0	15.0	14.8	19.0	11.0		8.5	12.4	12.3	11.1	86	80	96	87	3.3												
13	12.6	17.0	14.5	14.6	18.5	12.0		9.8	10.6	11.9	10.8	90	72	96	86	1.6												
14	12.8	17.8	15.2	15.2	21.5	12.5		11.1	12.8	12.3	12.1	100	83	95	93	3.2												
15	12.5	19.8	16.2	16.2	21.0	12.5		10.3	12.0	13.9	12.1	95	70	100	88	2.7												
16	13.0	18.0	15.0	15.2	20.3	12.0		10.9	11.6	12.8	11.8	97	75	100	91	1.5												
17	13.0	17.0	14.0	14.5	21.3	13.0		10.7	13.1	11.4	11.7	96	90	95	94	0.3												
18	12.5	17.0	14.7	14.7	19.7	12.0		10.0	13.1	11.7	11.6	92	90	93	92	3.0												
19	13.5	16.0	14.5	14.6	19.5	12.8		11.7	12.7	11.9	12.1	100	93	96	96	1.3												
20	13.0	17.6	15.0	15.2	19.0	12.0		10.5	12.2	12.8	11.8	95	80	100	92	1.7												
21	11.8	19.8	13.8	14.1	18.0	11.5		9.9	12.7	11.5	11.4	95	90	96	94	1.7												
22	12.0	19.8	13.8	14.8	20.0	12.0		10.0	10.9	11.2	10.7	95	63	95	84	4.5												
23	12.0	16.2	15.5	14.8	19.0	12.0		9.4	13.0	12.5	11.6	90	94	95	93	2.8												
24	13.5	17.0	15.0	15.1	20.3	13.6		10.8	12.7	12.1	11.9	95	88	95	93	1.2												
25	12.3	17.0	14.5	14.6	19.0	12.3		10.2	10.8	11.9	11.0	96	74	96	89	2.7												
26	12.5	19.0	14.8	15.3	21.0	12.5		10.1	11.6	12.6	11.4	93	71	100	88	2.8												
27	13.2	19.0	14.8	15.4	20.3	13.0		11.1	10.8	12.4	11.4	98	66	98	87	2.8												
28	14.0	17.5	14.8	15.3	18.0	13.8		12.1	12.9	11.7	12.2	100	86	93	93	3.8												
29	13.0	19.0	15.0	15.5	19.5	12.0		10.7	12.3	12.1	11.7	96	75	95	89	4.6												
30	13.5	17.0	13.8	14.0	21.0	11.5		9.8	13.1	11.9	11.6	96	90	100	95	2.5												
31	13.5	19.8	15.3	16.0	20.5	12.5		10.8	12.0	12.3	11.7	93	70	95	86	1.5												
Med.	12.7	18.2	14.8	15.1	2	12.4		10.4	11.7	12.0	11.4	95	76	95	89	3.0												

Precipitación total : 56.0 m.m.

DATOS DIARIOS

Estación El Cedral Mes Septiembre Año 1969 ϕ 48° 48' N λ 75° 43' W W.O.R. Altura 2.135 M.

Dias	TEMPERATURAS °C						TENSION DEL VAPOR m.m.						Humedad Relativa %			NUBOSIDAD DECIMOS		Brillo Solar Horas		PRECIPITACION m.m.			EVAPORACION m.m.			VIENTOS								
	7	14	20	Med.	Max.	Min.	7	14	20	Med.	7	14	20	Med.	7	14	20	Total	7	14	20	Total	7	14	20	7	14	20	DIREC.	FUERZA	DIREC.	FUERZA	DIREC.	FUERZA
						Mínimo Seguro																												
1	15.0	17.0	14.0	15.0	18.3	13.3	12.5	9.6	11.1	11.1	9.8	66	93	86	1.7																			
2	11.5	17.0	14.7	14.5	21.3	10.0	9.6	11.6	11.8	11.0	94	80	94	89	4.2																			
3	12.0	21.5	14.7	15.1	21.7	11.8	10.0	9.5	10.9	10.1	96	50	87	78	6.9																			
4	14.5	22.5	16.0	17.2	22.5	13.5	9.8	10.6	11.7	10.7	80	51	86	72	7.3																			
5	13.0	25.0	14.0	16.5	25.2	13.0	10.1	7.8	10.2	9.4	90	33	85	69	8.8																			
6	13.5	17.0	14.0	14.6	20.0	13.5	11.0	13.1	12.1	12.1	95	90	100	95	0.7																			
7	13.2	19.0	14.4	15.2	20.0	13.0	10.8	12.5	11.8	11.7	95	76	96	89	1.7																			
8	12.8	22.6	16.0	16.8	22.6	12.7	10.0	10.4	11.6	10.7	90	50	85	75	6.6																			
9	14.3	22.0	16.0	17.1	22.0	14.2	11.5	11.9	13.0	12.1	95	60	95	81	4.7																			
10	14.7	21.0	15.8	16.8	22.0	14.5	11.3	13.0	12.1	12.1	90	70	90	83	2.6																			
11	14.0	23.0	15.5	17.0	23.0	12.0	10.8	7.1	11.0	9.6	90	33	83	69	7.5																			
12	13.0	22.5	16.3	17.0	22.6	13.0	10.1	10.3	11.2	10.5	90	50	81	74	7.6																			
13	12.0	22.0	17.0	17.0	22.5	11.5	9.4	9.1	11.3	9.9	90	46	78	71	8.4																			
14	14.0	21.0	16.0	16.8	21.2	13.5	10.8	10.9	11.6	11.1	90	58	85	78	7.4																			
15	14.0	18.4	15.0	15.6	19.0	14.0	10.8	11.1	11.6	11.2	90	70	91	84	2.2																			
16	14.5	21.0	14.0	15.9	21.0	14.0	13.3	8.1	11.5	11.0	85	43	96	75	1.8																			
17	13.0	18.3	13.5	14.6	18.5	12.5	9.6	11.0	11.7	10.8	86	70	100	85	2.3																			
18	14.0	14.5	14.3	14.3	18.0	13.5	11.5	11.7	12.2	11.8	96	95	100	97	0.7																			
19	13.0	15.5	13.0	13.6	16.0	13.0	10.9	11.7	11.0	11.2	97	88	98	94	—																			
20	13.0	15.2	14.0	14.0	17.0	12.5	10.7	11.7	12.1	11.5	96	91	100	96	0.4																			
21	13.6	16.2	14.3	14.8	16.4	13.0	10.7	11.9	12.2	11.6	96	86	100	94	2.0																			
22	13.6	16.5	13.5	14.3	17.0	13.3	11.8	11.3	13.0	12.0	100	80	95	92	—																			
23	10.5	13.2	13.0	12.4	16.0	10.0	9.1	10.9	10.4	10.1	95	96	92	94	—																			
24	12.0	14.6	14.0	13.6	16.0	10.0	9.4	11.9	11.5	10.9	90	96	96	94	—																			
25	10.8	17.2	15.0	14.5	18.0	10.7	9.7	11.5	12.2	11.1	100	78	96	91	—																			
26	14.2	16.2	14.3	14.8	17.0	14.0	11.2	12.4	12.2	11.9	93	90	100	94	0.6																			
27	13.8	17.7	14.3	15.0	17.9	13.6	11.3	13.7	12.2	12.4	96	90	100	95	0.4																			
28	11.6	14.7	14.3	14.2	18.0	13.5	10.8	11.3	12.2	11.4	92	90	100	94	3.8																			
29	12.7	16.7	14.5	14.6	17.0	12.0	11.1	11.5	11.7	11.4	100	80	95	92	0.3																			
30	12.5	18.8	13.3	14.5	19.5	12.0	10.3	10.6	11.4	10.8	95	65	100	87	4.0																			
31																																		
Med		18.6	14.6	15.2	19.6	12.7	10.7	11.0	11.7	11.1	93	71	93	86	3.3																			

Precipitación total: 206.0 mm.

DATOS DIARIOS

Altura 2,135 M.

φ = 48° N λ = 152°31' W GR

Año 1969

Mes octubre

Estación S I C O F R A I

Días	TEMPERATURAS °C				Mínimo Sude	TENSION DEL VAPOR			Humedad Relativa %			NUBOSIDAD DECIMOS	HORIZAS	PRECIPITACION			EVAPORACION			VIENTOS																				
	7	14	20	Med.		7	14	20	Med.	7	14			20	Med.	7	mm			7	14	20	7	14	20															
																	Total									DIRECCION	FUERZA	Km./Hora												
1	14.0	14.5	13.0	13.6	12.0	12.1	11.7	10.5	11.4	100	95	95	97	0.1	19.0	21.0	—	21.0																						
2	13.0	15.7	13.2	13.8	12.4	10.7	12.5	11.4	11.5	96	93	100	96	1.3	—	12.6	1.8	27.6																						
3	13.5	16.2	13.0	13.9	16.5	9.9	12.2	10.9	13.0	85	88	97	90	1.1	3.3	7.2	19.2	28.6																						
4	14.2	17.7	13.7	14.8	18.0	11.0	13.0	11.9	12.0	91	85	100	92	—	2.2	0.2	24.4	107.8																						
5	12.8	14.6	13.0	13.2	15.0	11.1	11.4	10.4	14.0	100	95	93	96	—	83.2	33.9	6.5	20.8																						
6	11.8	15.2	12.4	13.1	17.0	9.9	11.6	11.1	10.2	97	90	100	95	0.5	0.4	2.9	0.6	5.3																						
7	12.0	17.0	13.4	14.0	17.6	11.5	13.0	10.9	10.5	100	70	95	88	0.6	1.6	0.1	0.7	1.0																						
8	15.0	16.0	13.2	14.4	17.0	10.5	10.2	11.4	12.0	90	95	100	95	0.5	0.2	0.3	0.6	6.8																						
9	12.5	17.0	13.2	14.0	18.0	10.5	12.2	10.9	11.2	97	84	96	92	0.1	5.9	1.0	15.0	16.0																						
10	12.7	19.0	14.0	14.9	20.0	10.6	12.2	11.5	11.4	96	73	96	88	3.1	—	—	—	0.4																						
11	15.0	16.0	12.7	14.1	16.6	11.5	12.4	10.5	11.5	90	91	95	92	1.9	—	3.0	47.5	50.5																						
12	11.5	19.0	13.2	14.2	19.6	9.6	11.5	10.9	10.7	94	70	96	87	3.4	—	0.2	10.7	11.9																						
13	12.3	13.0	13.5	13.1	16.0	10.2	11.3	11.0	10.8	96	100	95	97	3.0	1.0	17.4	48.5	66.9																						
14	11.0	15.2	12.8	13.0	16.4	9.8	11.9	11.1	10.9	100	92	100	91	0.9	—	—	2.0	4.4																						
15	14.2	16.0	13.0	13.8	16.2	11.5	12.6	11.9	12.0	95	100	100	98	—	6.9	21.3	6.7	32.6																						
16	13.2	16.0	13.0	13.8	16.2	10.6	12.1	10.4	11.1	94	90	92	92	0.1	22.6	4.5	11.0	16.0																						
17	10.5	16.5	14.2	13.8	17.0	9.0	12.7	11.6	11.1	94	90	91	93	3.2	0.5	1.6	12.0	13.6																						
18	12.0	19.0	14.0	14.8	19.3	10.0	11.5	11.4	11.0	95	70	95	87	4.2	—	—	3.2	3.2																						
19	13.0	17.5	13.0	14.1	18.3	10.1	11.3	10.3	10.6	90	75	93	86	2.1	—	—	—	—																						
20	12.0	18.5	13.1	15.2	18.0	9.4	12.9	12.8	11.7	90	80	100	90	3.3	—	—	—	5.3																						
21	13.6	14.7	13.1	13.5	15.6	10.5	11.1	10.5	11.0	95	96	94	95	2.5	0.8	4.3	6.5	9.8																						
22	14.0	18.3	13.7	14.9	19.0	12.1	11.6	11.3	11.7	100	80	96	92	1.7	5.0	1.4	6.2	7.6																						
23	11.7	17.2	15.2	14.8	17.6	9.9	13.5	13.0	12.1	95	85	100	73	2.8	—	—	2.4	7.7																						
24	12.5	15.2	13.5	13.7	17.0	10.4	12.0	10.8	11.1	96	93	93	94	1.2	15.3	0.6	6.5	1.1																						
25	10.5	15.0	14.3	14.5	19.3	9.5	11.6	12.2	11.1	100	71	100	90	5.4	—	—	—	—																						
26	11.5	20.0	14.0	14.9	21.7	9.8	11.4	11.4	10.9	96	65	95	85	5.7	—	—	—	—																						
27	11.8	17.2	14.0	14.2	18.3	10.4	13.2	11.6	11.7	100	90	97	96	4.5	9.0	8.4	2.0	10.4																						
28	12.0	20.0	14.6	15.3	20.3	10.0	12.3	11.5	11.3	95	71	93	86	2.9	—	—	—	—																						
29	11.5	14.2	13.4	13.1	16.7	10.5	13.1	11.7	11.8	95	95	100	97	1.9	—	—	—	—																						
30	13.0	16.2	14.4	14.0	17.0	10.5	13.1	11.7	11.8	95	81	96	91	2.5	—	—	—	—																						
31	13.0	16.2	14.4	14.0	17.0	10.5	13.1	11.7	11.8	95	81	96	91	2.5	—	—	—	—																						
Med	12.6	16.6	13.6	14.1	17.6	10.4	12.1	11.3	11.2	95	85	96	92	2.0	5.7	5.8	7.6	10.5																						

Precipitación total: 574.3 m.m.

DATOS DIARIOS

Estación El Cedral Mes Noviembre Año 1969 $\phi = 40^{\circ} 48' N$ $\lambda = 75^{\circ} 43' WGR$ WGR. Altura 2.135 M.

Días	TEMPERATURAS °C					TENSIÓN DEL VAPOR mm					Humedad Relativa %				NUBOSIDAD DECIMOS		Brillo Solar Horas		PRECIPITACION mm			EVAPORACION mm		VIENTOS					
	7	14	20	Med.	Mín. Suelo	7	14	20	Med.	7	14	20	Med.	7	14	20	Total	7	14	20	Total	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	
																													7	14	20	Total	7	14	20	Total
1	13.0	20.0	13.7	15.1	20.3	12.5	10.5	12.3	11.9	11.6	95	71	100	89	1.5														
2	12.2	18.0	13.5	14.3	18.2	12.0	10.2	12.4	11.0	11.2	92	80	95	90	5.3														
3	13.0	18.0	13.7	14.6	18.0	13.0	10.5	12.4	11.9	11.6	94	80	100	91	3.9														
4	11.7	17.2	12.3	13.4	19.0	11.5	9.3	11.8	10.2	10.4	96	80	96	89	4.0														
5	12.5	16.5	14.0	14.2	17.0	12.3	10.9	11.2	12.1	11.4	100	80	100	93															
6	13.5	18.2	13.7	14.8	18.3	13.0	11.7	11.9	11.9	11.8	100	76	100	92	2.5														
7	12.5	14.0	13.5	13.4	17.3	12.5	10.6	11.5	11.7	11.3	98	96	100	99															
8	14.0	16.0	13.0	14.0	17.5	13.7	11.5	12.3	11.3	11.7	96	80	96	91															
9	13.8	19.0	15.0	15.7	20.0	13.5	11.2	13.2	11.6	12.0	95	80	91	89	3.4														
10	13.0	17.0	14.1	14.6	17.4	12.5	11.3	13.1	11.6	12.0	100	90	96	95	2.0														
11	14.0	15.0	14.2	14.4	17.3	12.8	11.5	12.2	12.2	12.0	96	95	100	97	2.4														
12	12.5	15.0	14.0	13.9	18.7	12.2	10.1	12.5	12.1	11.6	93	98	100	97	2.7														
13	11.0	15.3	14.3	13.7	19.0	10.8	9.5	12.3	16.9	10.9	96	95	90	94	3.8														
14	12.2	17.2	14.2	14.4	19.0	12.0	2.6	11.8	11.6	11.0	90	80	96	89	2.9														
15	11.2	17.6	13.0	13.7	18.2	11.0	9.6	12.1	10.7	10.8	95	80	96	90	3.3														
16	11.0	17.0	13.7	13.8	18.2	10.7	8.9	11.6	11.3	10.6	90	80	96	89	1.7														
17	13.2	17.1	14.0	14.6	17.6	12.0	10.9	11.6	11.5	11.3	96	80	96	91	2.9														
18	13.5	17.3	13.6	14.6	18.1	13.5	11.2	11.6	11.3	11.4	96	80	96	91	0.1														
19	13.6	17.1	13.5	14.4	18.3	13.4	11.2	12.0	11.1	11.4	96	82	96	91	1.4														
20	12.5	17.7	13.6	14.4	17.9	12.3	10.4	11.5	11.2	11.0	96	75	96	89	2.7														
21	13.0	16.0	13.7	14.6	18.2	12.0	10.5	11.8	10.7	11.0	95	76	90	87	0.9														
22	13.0	17.0	13.6	14.6	19.0	12.5	10.7	11.8	11.5	11.3	96	76	97	90	2.0														
23	12.7	19.0	14.1	15.0	19.7	12.5	10.0	12.2	11.4	11.2	90	73	95	86	5.6														
24	14.0	17.6	15.2	15.5	18.0	13.8	11.4	12.6	13.0	12.3	95	83	100	93	0.2														
25	13.7	19.3	14.5	15.5	19.3	13.2	11.3	11.0	11.9	11.4	97	65	96	86	2.4														
26	11.3	20.0	14.0	15.0	20.0	11.8	9.9	10.5	11.6	10.7	96	60	96	84	3.8														
27	11.5	19.6	15.0	15.3	19.0	11.5	9.1	12.9	11.5	11.2	90	60	90	87	4.4														
28	12.9	19.5	13.6	14.8	20.0	12.5	10.3	12.6	10.3	11.1	95	73	88	85	3.1														
29	14.0	18.6	14.3	15.3	19.7	13.0	11.4	11.2	11.9	11.5	95	70	98	88	1.8														
30	10.8	16.5	14.0	14.6	13.0	12.7	7.3	12.9	11.5	11.3	96	92	95	95	4.1														
31	12.7	17.5	13.0	14.5	18.6	12.4	10.6	12.0	11.5	11.3	95	81	96	91	2.5														
Med.	12.7	17.5	13.0	14.5	18.6	12.4	10.6	12.0	11.5	11.3	95	81	96	91	2.5	1.3	3.4	3.2	7.9										

Precipitación total 1 236.2 mm.

DATOS DIARIOS

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Estación El Cedral

Mes Diciembre Año 1969

☉ 45° 08' N ☽ 75° 43' WGR

Altura 2,135 M.

Días	TEMPERATURAS °C					TENSIÓN DEL VAPOR mm					Humedad Relativa %			NUBOSIDAD Horas	PRECIPITACION mm			EVAPORACION mm	VIENTOS						
	7		14		20		7		14		20		7		14		20		7		14		20		
	Min.	Máx.	Med.	Min.	Máx.	Med.	Min.	Máx.	Med.	Min.	Máx.	Med.	%		%	%	7		14	20	7	14	20	7	14	20
1	10.3	17.6	14.0	14.0	18.3	10.2	8.9	12.8	11.1	10.9	95	85	90	91											
2	10.7	17.6	13.7	13.9	19.0	10.6	9.1	13.0	10.9	11.0	94	86	93	91											
3	13.0	17.7	13.4	13.6	19.0	13.0	10.1	11.7	11.0	10.9	90	93	96	93											
4	11.4	17.0	14.2	14.2	19.0	11.2	9.6	11.2	12.2	11.1	97	84	93	91											
5	12.2	18.0	13.5	14.3	18.7	12.2	10.2	14.6	11.0	11.9	96	94	95	96											
6	12.5	19.0	13.7	13.7	19.0	12.5	10.3	12.4	11.2	11.3	95	97	95	95											
7	12.2	16.8	13.1	13.8	20.0	12.0	10.2	12.9	10.6	11.2	96	90	94	92											
8	11.4	19.2	13.0	14.2	19.3	11.0	9.1	11.8	10.7	10.5	90	71	96	86											
9	11.8	14.6	12.0	12.6	16.0	11.5	10.1	10.3	10.0	10.1	98	83	96	92											
10	12.0	20.0	13.0	14.9	20.3	11.0	9.4	12.8	11.1	11.1	90	73	94	86											
11	12.3	17.0	14.8	14.7	18.0	12.5	9.6	11.1	11.8	10.6	90	76	94	87											
12	13.5	16.5	13.7	14.4	18.3	11.5	11.1	11.7	11.6	11.5	90	84	98	93											
13	11.8	17.5	14.0	14.3	19.2	11.5	9.9	11.1	11.4	11.0	96	78	95	90											
14	12.0	17.2	14.2	14.4	18.0	11.8	9.4	12.0	11.5	11.0	90	81	95	89											
15	13.8	21.5	14.0	15.8	21.7	13.5	10.9	10.7	11.7	11.1	93	86	95	87											
16	12.8	19.0	15.5	15.7	20.5	12.5	10.4	11.5	12.5	11.5	96	70	95	87											
17	14.9	18.5	14.5	15.6	18.7	14.3	10.7	12.9	11.9	11.8	65	80	96	87											
18	14.0	18.0	14.0	15.0	20.0	13.7	11.5	12.4	11.1	11.7	96	80	93	80											
19	11.6	21.5	15.0	15.8	22.0	11.0	9.3	12.1	12.1	11.2	93	84	96	84											
20	13.0	16.0	15.0	14.8	17.0	12.0	10.5	13.0	12.3	11.9	94	95	96	95											
21	11.5	17.3	14.2	14.3	20.2	11.0	9.1	11.8	10.9	10.6	90	80	87	87											
22	13.5	19.0	14.5	15.4	18.7	15.0	10.5	12.2	11.4	11.4	80	93	95	89											
23	12.4	18.0	14.0	14.6	20.3	12.0	10.6	13.4	10.8	11.1	94	86	90	90											
24	13.0	19.0	14.5	15.2	19.3	12.3	10.2	11.5	11.1	10.9	90	70	90	83											
25	11.8	18.0	14.0	14.7	18.6	11.0	9.3	12.5	11.4	11.1	90	81	95	90											
26	10.5	19.0	16.0	14.4	17.5	10.5	9.0	11.6	13.1	11.2	94	91	96	94											
27	13.5	19.0	14.5	15.4	21.0	12.0	11.1	13.2	11.1	11.8	96	80	90	89											
28	13.0	19.0	14.5	15.2	19.3	11.8	9.5	13.2	10.5	11.1	85	80	85	83											
29	11.5	19.6	15.0	15.3	19.7	11.5	9.2	10.5	11.1	10.3	91	82	88	80											
30	11.0	19.0	14.5	14.8	20.3	10.6	8.4	12.5	11.2	10.7	85	76	91	84											
31	11.0	19.0	15.0	15.0	20.2	11.0	7.4	10.8	11.5	10.6	95	66	90	84											
Med.	12.3	17.8	14.2	14.6	19.3	11.9	9.9	12.1	11.4	11.1	92	80	93	89											

Precipitación total 109.8

RESUMEN MENSUAL Y ANUAL

ESTACION: 21 Central

AÑO: 1962

MES	PRESION ATMOSFERICA SOBRE 300 MM. HG.				TEMPERATURA OC				TEMPERATURAS EXTREMAS OC				HUMEDAD RELATIVA %				TENSION DEL VAPOR MM. HG.				NUBOSIDAD MEDIA EN DECIMOS				BRILLO SOLAR EN DECIMOS				EVAPORACION MM.				PRECIPITACION			
	MEDIA	MAXIMA	MINIMA	DA	7	14	20	MEDIA	MAXIMA	MINIMA	DA	7	14	20	MEDIA	MAXIMA	MINIMA	DA	7	14	20	SUMA	7	14	20	DA	7	14	20	SUMA	7	14	20	DA		
																																			7	14	20	DA
ENERO	11.6	18.4	14.0	14.4	19.7	16.8	22.0	V	9.3	4	92	72	89	85	55	13.6	8.7	10.6	7.5	3.7	89.9	21.7	141.1	192.7	21	50.6	26									
FEBRERO	11.6	18.5	14.6	14.6	20.3	16.8	21.5	26	9.0	1	90	72	93	85	50	13.9	6.9	10.8	6.9	3.8	6.5	14.6	70.6	91.7	19	18.7	27									
MARZO	12.3	19.0	15.0	15.4	20.7	11.5	24.0	16	9.7	16	90	72	92	84	46	13.5	7.4	11.1	3.0		0.3	70.5	62.9	156.1	20	36.5	2									
ABRIL	12.6	17.6	14.3	14.6	19.5	12.0	24.0	27	10.5	2	93	82	95	90	56	14.3	8.9	11.4	3.6		187.6	190.2	184.0	548.2	27	77.5	18									
MAYO	13.4	18.6	14.6	15.2	19.5	13.0	23.0	24	11.3	2	94	83	95	90	60	15.2	8.8	11.8	2.2		48.8	83.0	106.7	237.9	28	60.2	2									
JUNIO	12.8	17.5	14.0	14.6	18.6	12.4	23.0	23	10.0	13	97	86	98	94	65	14.3	9.4	11.8	2.3		49.4	130.6	133.9	821.5	22	53.0	3									
JULIO	13.1	20.1	15.0	15.6	21.2	12.6	24.5	18	11.0	9	96	81	86	79	35	14.1	6.8	10.6	5.9		0.3	0.5	14.3	19.1	7	9.6	30									
AGOSTO	12.7	18.2	14.8	15.1	20.2	12.4	22.3	6	11.0	V	95	76	95	89	40	13.9	7.2	11.4	3.0		20.1	16.0	83.9	56.0	23	10.8	36									
SEPTIEMBRE	13.2	18.6	14.6	15.2	19.6	17.7	25.2	5	10.0	4	95	71	95	86	33	13.7	7.1	11.1	3.3		38.4	93.9	54.7	206.0	13	38.8	18									
OCTUBRE	12.6	16.6	13.6	14.1	17.6	17.2	21.7	26	10.2	25	95	85	96	92	65	13.5	9.0	11.2	2.0		177.1	181.2	235.0	574.3	20	107.8	4									
NOVIEMBRE	12.7	17.5	13.9	14.5	18.6	17.4	20.3	1	10.7	V	95	81	96	91	60	13.2	8.9	11.3	2.5		39.7	103.1	95.4	230.2	27	37.0	12									
DICIEMBRE	12.3	17.0	14.2	14.6	19.3	11.9	22.0	19	10.2	1	92	80	95	89	56	14.6	8.4	11.1	3.1		11.0	54.4	44.0	109.6	23	34.0	26									
MEDIA ANUAL	12.6	18.2	14.4	14.9	19.6	12.0	22.7	-	10.2	-	93	77	93	88	52	14.0	8.1	11.2	7.2	3.4	50.8	81.3	68.9	272.0	298	44.3	-									

PRECIPITACION TOTAL: 2,651.5

PRECIPITACION MAXIMA: 107.8 - X - 4

DIAS LLUVIOSOS: 298

FRECUENCIA DE PRECIPITACION Y TEMPERATURA

AÑO: 1.959

ESTACION: El Central

MESES	PRECIPITACION												TOTAL				TEMPERATURA									
	7 HORAS			14 HORAS			20 HORAS			MÁS DE:			Mínimo	Máximo	Mínimo	Máximo										
	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:					Más de:									
	01	10	100	200	500	01	10	100	200	500	01	10	25	50	100	200	500	Mínimo	Máximo	Mínimo	Máximo					
ENERO	11	6	1	-	-	19	15	4	2	1	21	17	14	11	7	2	1	21	4	1	2					
FEBRERO	5	1	-	-	-	17	12	2	-	-	19	17	10	6	2	-	-	20	-	-	-					
MARZO	2	-	-	-	-	16	8	3	1	-	20	15	14	7	7	2	-	9	1	2	7					
ABRIL	13	10	8	6	-	12	13	6	2	1	27	24	20	19	14	11	3	3	2	4	2					
MAYO	8	6	3	-	-	19	11	4	-	-	28	23	16	10	9	3	-	(m)	8	3	1					
JUNIO	8	5	1	1	-	16	10	3	3	-	22	16	11	9	4	4	1	3	11	7	-					
JULIO	2	-	-	-	-	2	-	-	-	-	7	2	2	2	-	-	-	1	10	3	13					
AGOSTO	11	7	-	-	-	13	6	-	-	-	23	13	7	3	1	-	-	2	9	2	5					
SEPTBRE.	5	4	2	-	-	8	7	4	-	-	13	10	9	8	6	6	-	4	18	12	8					
OCTUBRE	16	12	4	2	1	24	17	6	3	1	28	25	23	22	16	9	5	5	8	21	-					
NOVIEMBRE	11	5	1	1	-	16	11	3	2	-	27	20	16	15	10	5	-	4	9	9	-					
NOVIEMBRE	6	2	-	-	-	13	9	2	1	-	23	15	11	7	1	1	-	10	5	1	1					
SUMA ANUAL	98	58	20	10	1	172	102	31	12	2	210	135	29	9	1	258	197	153	119	66	43	10	82	81	72	39

FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.

MESES	FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.																								TOTAL
	0-1	1-2	2-8	8-4	4-5	5-6	6-7	7-8	8-9	8-10	10-11	11-12	12-18	18-14	14-15	15-18	16-17	17-18	18-19	19-20	20-21	21-22	22-28	28-24	
ENERO	2	1	1	1	-	2	2	2	4	3	2	2	4	5	3	12	6	12	6	9	9	5	2	2	20
FEBRERO	2	1	-	-	-	-	1	1	2	-	1	4	9	7	6	8	7	3	3	3	1	1	2	2	20
MARZO	-	-	-	-	-	1	-	-	2	-	1	6	7	11	8	6	6	4	5	5	1	-	1	1	20
ABRIL	7	8	8	6	4	4	3	4	3	6	8	13	14	14	14	12	9	8	4	4	5	1	3	26	
MAYO	2	3	3	5	2	1	-	1	3	2	1	2	8	15	16	10	11	6	7	5	3	4	5	28	
JUNIO	2	3	5	4	3	2	3	2	1	4	5	12	12	13	9	5	3	2	1	2	1	2	1	21	
JULIO	1	-	1	-	-	-	-	-	-	-	1	-	1	-	1	2	1	1	1	1	2	-	1	7	
AGOSTO	1	3	3	4	4	3	3	3	3	2	-	1	5	8	4	6	8	6	4	1	2	-	1	24	
SEPTBRE.	2	2	1	3	3	2	4	2	2	4	2	2	5	7	5	4	2	7	4	2	3	1	2	13	
OCTUBRE	9	10	7	7	8	6	7	10	8	3	4	8	12	20	17	15	15	9	11	10	6	6	5	28	
NOVIEMBRE	2	3	3	1	3	2	2	2	1	1	3	6	10	12	13	14	8	7	5	3	3	5	4	27	
NOVIEMBRE	2	1	2	-	2	1	1	1	1	1	-	3	5	11	11	12	6	5	5	2	1	2	1	24	
SUMA ANUAL	32	35	35	31	31	24	24	24	29	30	20	24	46	86	124	112	110	90	76	63	47	37	31	29	30
SUMA ANUAL																								258	

RESUMEN DE ALGUNAS CARACTERISTICAS DE LA PRECIPITACION

Año 1.969

Estación: El Cedral

MESES	TOTAL		No. PRECIPITACIONES		CANTIDAD		DURACION				PRECIPITACION MAXIMA				DURACION MAXIMA					
	m. m.	Días	Días	Noche	Total	Total	Día	Noche	Total	m. m.	Durac.	Int. Med.	Int. Max. 6/m.	Int. Max. 1/m.	h. min.	m. m.	Int. Med.	Int. Max. 6 min.	Int. Max. 1 mth. (calc.)	
Enero	152.7	21	44	14	58	163.2	29.5	43:55'	15:30'	59:05'	47.1	3:20'	0.24	9.5	4.9	24.7	0.09	4.5	0.9	
Febrero	91.7	19	32	4	36	85.9	5.8	29:45'	5:30'	35:15'	18.7	1:10'	0.27	4.1	0.8	5.3	0.02	0.4	0.1	
Marzo	156.1	20	38	2	40	141.6	14.5	30:55'	6:00'	36:55'	36.2	3:20'	0.18	7.0	1.4	14.4	0.14	2.1	0.4	
Abril	548.2	27	47	23	70	374.2	174.6	76:25'	43:40'	120:05'	71.0	2:30'	0.47	10.2	2.0	41.8	0.06	3.0	0.6	
Mayo	237.9	28	56	15	71	89.5	48.4	49:35'	24:05'	73:40'	31.0	1:45'	0.30	5.0	1.0	11.4	0.03	0.8	0.2	
Junio	221.5	22	37	9	46	172.3	49.2	42:45'	21:45'	64:30'	44.2	4:15'	0.17	10.0	2.0	14.8	0.04	0.5	0.1	
Julio	19.1	7	6	5	11	14.8	4.3	5:55'	3:55'	9:50'	7.9	3:20'	0.04	0.8	0.2	7.9	0.04	0.8	0.2	
Agosto	56.0	23	37	17	54	39.9	16.1	22:55'	14:40'	37:35'	9.6	1:10'	0.14	4.0	0.8	4.7	0.04	0.5	0.1	
Septbr.	206.0	13	24	11	35	148.4	57.6	35:10'	23:50'	59:00'	33.1	1:40'	0.33	5.6	1.1	34.0	0.11	5.5	1.1	
Octbre.	574.3	28	64	26	90	416.1	158.2	95:50'	57:55'	153:45'	125.0	26:25'	0.08	2.5	0.5	125.0	0.08	2.5	0.5	
Novbre.	238.2	27	41	17	58	199.7	38.5	55:35'	15:50'	71:25'	37.0	2:15'	0.27	4.2	0.8	24.3	0.07	1.5	0.3	
Dicbre.	109.8	23	37	9	46	98.8	11.0	35:35'	8:05'	43:40'	31.0	1:40'	0.31	5.3	1.1	6.0	0.03	0.7	0.1	
TOTALES	2.651.5	258	463	152	615	2.044.4	607.1	524:20'	240:25'	764:45'	491.6	52:50'	0.22	5.8	1.1	86:10'	316.1	0.22	5.8	1.1

DATOS DIARIOS

Altura 14480 M.

λ = 75° 42' W.G.R

φ = 4° 52' N

Año 1969

Mes Enero

Estación L. A. ROCA

Días	TEMPERATURAS °C					TENSION DEL VAPOR m m					Humedad Relativa %			Nubosidad DECIMOS		Brillo Solar Horas	PRECIPITACION m m			EVAPORACION m m			VIENTOS							
	7	14	20	Med.	Máx.	Mín.	Módima Suelo	7	14	20	Med.	7	14	20	Med.		7	14	20	Total	7	14	20	Total	7	14	20	DIREC. FUERZA CION	DIREC. FUERZA CION	DIREC. FUERZA CION
1	15.8	20.0	16.1	17.0	22.0	15.0	12.8	14.1	13.7	13.5	95	80	100	92	2.4	0.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	14.9	22.0	17.8	18.1	24.0	14.1	12.2	12.4	13.7	12.8	97	63	90	83	6.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	12.0	24.8	19.8	19.1	26.8	11.8	10.0	11.2	15.6	12.3	96	50	90	79	8.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	13.8	26.0	18.0	19.0	26.6	13.4	11.3	11.2	13.8	12.1	96	44	90	77	9.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	13.1	24.4	18.8	18.8	25.8	12.8	11.3	12.2	15.4	13.0	100	53	94	82	7.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	16.0	25.0	17.0	18.8	26.2	14.7	13.2	9.6	14.0	12.3	97	40	96	78	10.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	17.0	26.2	18.0	19.8	27.8	16.0	13.1	11.1	13.8	12.7	90	43	90	74	10.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	15.8	27.1	18.3	19.9	28.0	14.0	12.8	9.4	13.6	11.9	95	35	86	72	7.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	14.8	25.4	18.0	19.0	27.0	12.2	12.1	12.7	13.8	12.9	96	52	90	79	9.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	14.1	26.3	19.2	19.7	28.0	12.8	11.5	12.8	14.7	13.0	96	50	88	78	2.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	14.8	23.0	18.8	18.8	24.4	14.3	12.1	13.1	15.7	13.6	96	62	96	85	2.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	17.0	17.0	18.1	17.6	20.8	16.8	14.6	14.6	14.9	14.7	100	100	100	95	98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	14.8	21.8	16.8	17.6	22.3	14.1	12.6	13.9	13.8	13.4	100	71	96	89	2.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	14.3	20.0	16.8	17.0	21.0	14.0	12.2	13.1	13.8	13.0	100	75	96	90	1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	13.6	18.8	16.0	16.1	19.0	13.0	11.8	15.5	13.1	13.5	100	95	96	97	0.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	11.3	23.6	17.7	17.6	24.8	11.0	10.0	13.4	14.6	12.7	100	61	95	85	7.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	13.0	24.4	18.0	18.4	25.0	12.8	11.3	13.7	13.8	12.9	100	60	90	83	5.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	14.2	23.0	18.0	18.9	25.0	14.0	12.6	14.0	14.0	13.5	100	63	86	83	3.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	14.6	20.4	17.3	17.4	23.0	14.3	12.5	11.7	13.9	12.7	100	66	94	87	1.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	13.5	23.4	17.8	18.1	24.4	13.0	11.7	11.3	14.4	12.5	100	52	94	82	6.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	15.1	24.6	16.8	18.3	25.2	13.8	12.3	11.1	13.6	12.3	96	48	95	80	4.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	15.0	23.0	16.1	17.6	24.4	14.0	12.3	12.6	12.8	12.6	96	60	94	83	4.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	16.8	20.4	16.0	18.3	23.6	16.3	13.6	11.0	14.7	13.1	95	61	95	84	2.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	14.9	22.8	16.4	17.6	23.6	14.1	12.1	12.5	13.2	12.6	96	60	95	84	5.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	15.0	23.8	19.4	19.4	25.6	13.7	12.8	12.4	15.2	13.5	100	56	90	82	9.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	14.9	23.1	16.2	17.6	26.2	14.1	12.6	12.6	8.2	11.1	100	60	60	73	8.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	13.0	22.5	17.6	17.7	23.0	12.5	10.7	12.3	14.5	12.5	96	60	96	84	8.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	15.8	26.0	18.8	19.8	26.2	15.0	12.5	12.2	14.0	12.9	93	48	86	76	8.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	16.1	24.0	17.1	18.9	24.4	13.0	13.4	14.1	14.7	14.1	98	63	96	86	9.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	15.5	26.4	17.8	19.4	27.0	13.7	12.7	11.7	14.4	12.9	96	45	94	78	10.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	14.5	26.9	17.0	18.8	28.2	13.0	11.9	13.2	13.1	12.7	96	48	90	78	8.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Med	14.7	23.4	17.7	18.4	24.8	13.8	12.2	12.5	14.0	12.9	97	59	92	83	6.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Precipitación total : 93.1 m.m.

DATOS DIARIOS

Estación La Rosa Mes Febrero Año 1969 $\varphi = 40^{\circ} 50' N$ $\lambda = 75^{\circ} 40' W$ OR Altura 1.480 M.

Días	TEMPERATURAS °C				TENSIÓN DEL VAPOR m m			Humedad Relativa %			NEBULOSIDAD DECIMOS	Brillo Solar Horas	PRECIPITACION m m			EVAPORACION m m			VIENTOS												
	7	14	20	Med.	Máx.	Min.	Mínima Subo	7	14	20			Med.	7	14	20	Total	7	14	20	Total	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA				
																												7	14	20	
1	12.0	26.0	18.0	18.5	27.0	10.0		10.3	11.6	12.5	11.5	98	46	81	75																
2	14.2	24.0	17.4	18.2	25.0	13.2		11.6	12.0	14.0	12.5	96	53	94	81																
3	15.4	24.0	17.6	18.6	24.2	14.2		12.9	12.4	14.4	13.2	98	56	92	81																
4	15.1	19.8	15.8	16.6	22.2	14.3		12.3	14.2	12.9	13.1	95	63	96	91																
5	15.0	23.1	16.2	17.7	25.0	13.8		12.8	12.8	13.1	12.9	100	60	95	85																
6	12.6	22.8	18.1	17.9	25.3	12.0		10.7	13.0	13.6	12.4	98	64	88	83																
7	15.0	24.2	17.2	18.4	26.0	14.0		11.5	12.7	14.0	12.7	90	56	95	80																
8	15.3	23.8	18.8	19.2	24.2	15.0		12.4	13.3	13.5	13.7	96	60	95	84																
9	15.8	24.1	16.1	18.0	26.3	15.0		12.9	12.0	13.1	12.7	96	53	96	82																
10	14.9	22.0	17.8	18.1	24.0	14.3		12.1	12.8	14.7	13.2	96	65	96	86																
11	15.9	24.8	19.6	20.0	25.5	15.4		12.4	13.2	14.9	13.5	98	56	88	81																
12	16.2	25.8	17.7	19.4	26.1	15.3		13.3	11.2	14.4	13.0	96	45	94	78																
13	14.9	26.2	18.4	19.5	27.7	14.4		12.1	10.2	13.5	11.9	96	40	95	74																
14	15.2	26.0	19.0	19.8	26.6	14.0		12.4	13.6	14.5	13.5	96	54	88	79																
15	15.9	21.1	18.3	18.9	23.6	15.1		11.4	13.1	14.0	13.5	100	62	90	84																
16	15.1	21.1	16.0	17.0	22.0	14.4		12.3	15.1	13.1	13.3	96	80	96	91																
17	15.6	24.1	18.8	19.3	25.2	15.0		13.3	12.4	13.2	13.0	100	55	81	79																
18	15.6	25.4	19.4	19.9	26.2	15.3		12.8	12.4	14.7	13.3	96	51	88	78																
19	16.5	25.8	21.0	21.1	27.7	15.4		13.5	13.0	14.0	13.5	96	52	75	74																
20	16.4	24.1	19.3	19.8	24.4	16.0		13.1	13.5	15.0	13.9	95	60	90	82																
21	16.0	21.1	21.6	21.6	26.6	15.8		13.0	12.2	15.1	13.4	95	45	78	73																
22	14.9	25.2	19.9	20.0	26.4	14.4		12.1	13.6	14.8	13.5	96	56	86	79																
23	15.9	24.4	18.6	19.4	24.9	15.6		12.9	12.9	13.5	13.1	96	56	85	79																
24	16.6	24.0	17.1	18.7	25.0	16.0		13.6	11.8	13.7	13.0	96	52	94	81																
25	14.1	21.9	16.8	17.4	23.0	13.8		11.6	14.2	13.8	13.2	96	71	96	88																
26	15.9	26.6	20.4	20.8	27.1	15.4		13.4	13.8	16.0	14.4	100	55	90	81																
27	16.4	23.6	19.8	19.9	18.9	16.2		13.4	15.4	16.2	15.0	96	70	94	87																
28	14.8	25.4	17.1	18.6	26.1	14.3		12.4	13.6	14.0	13.3	96	56	96	83																
29																															
30																															
31																															
Med.	15.3	24.2	18.3	19.0	25.4	14.6		12.5	12.9	14.2	13.2	96	58	90	81																

Precipitación total 121.0 m.m.

DATOS DIARIOS

Altura 1.480 M.

φ = 48° 52' N λ = 75° 42' W GR

Año 1969

Mes H a r s o

Estación La Roba

Días	TEMPERATURAS °C					TENSIÓN DEL VAPOR mm					Humedad Relativa %			NUBOSIDAD DÉCIMOS		Brillo Solar Horas		PRECIPITACION mm			VIENTOS				
	7	14	20	Med.	Máx.	Mín.	Mínima Suelo	7	14	20	Med.	7	14	20	Med.	7	14	20	7	14	20	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	
1	15.6	22.0	18.3	18.6	24.4	14.8		12.8	15.0	14.0	13.9	96	76	90	87	2.5									
2	15.8	18.2	16.3	16.6	20.1	14.6		12.9	15.1	12.4	13.5	96	96	94	94	0.6									
3	14.0	22.8	17.9	18.2	25.0	13.7		11.5	14.7	14.4	13.5	96	70	94	87	8.1									
4	16.2	18.6	17.1	17.2	24.0	14.9		13.3	14.1	13.1	13.5	96	88	90	91	4.9									
5	16.1	24.2	17.7	18.9	25.6	15.0		13.1	12.7	13.2	13.0	96	56	86	79	4.6									
6	16.4	27.0	18.6	20.2	28.3	14.6		13.4	13.0	13.8	13.4	96	48	86	77	4.3									
7	15.9	26.0	19.5	20.7	28.6	15.1		12.9	11.6	14.5	13.0	96	41	86	74	10.5									
8	14.8	26.2	20.8	20.6	27.0	14.3		12.1	12.4	14.7	13.1	96	48	80	75	7.1									
9	13.5	26.8	20.8	20.5	28.6	13.0		11.3	13.5	15.5	13.4	98	51	85	78	9.8									
10	16.1	26.2	19.4	20.3	27.0	15.3		13.1	11.1	16.1	13.4	96	45	95	79	7.6									
11	16.0	26.0	18.9	19.9	27.0	15.6		13.1	12.7	14.6	13.5	96	50	90	79										
12	16.0	20.0	18.7	18.4	24.0	15.6		13.1	15.4	15.7	15.1	96	94	96	95	1.4									
13	16.2	18.8	15.7	15.6	22.6	16.0		13.5	15.4	12.9	13.9	98	94	96	96	0.7									
14	14.2	24.2	17.8	18.5	25.3	13.6		12.2	13.5	14.7	13.5	100	60	85	85	6.9									
15	15.5	26.2	19.8	20.3	27.4	14.7		12.7	11.5	15.6	13.3	96	45	90	77	9.7									
16	15.3	27.0	20.6	20.9	29.0	15.0		12.4	10.9	13.8	12.4	96	41	76	71	8.9									
17	15.0	27.1	18.8	19.3	28.3	14.3		12.3	10.7	14.6	12.5	96	40	90	75	7.9									
18	15.0	23.3	18.0	18.6	24.0	14.6		12.3	13.0	14.9	13.4	96	61	86	84	4.1									
19	14.6	25.5	19.9	20.0	27.2	12.8		11.9	12.2	15.6	13.2	96	50	80	75	7.8									
20	15.0	26.2	19.0	19.8	26.3	13.4		12.3	12.8	13.8	13.0	96	50	84	77	4.8									
21	15.3	23.0	19.4	19.3	25.0	14.8		12.7	14.8	15.8	14.4	98	70	94	87	9.0									
22	15.9	22.8	20.3	19.8	26.0	15.8		12.9	13.0	15.9	13.9	96	63	90	83	7.5									
23	16.0	24.4	18.0	19.1	26.2	15.4		13.1	12.9	13.1	13.0	96	56	80	77	5.4									
24	15.4	25.8	19.0	19.8	26.3	15.0		12.6	13.5	14.8	13.6	96	54	90	80	5.8									
25	16.0	18.2	16.4	16.8	20.3	15.3		13.1	14.3	13.3	13.6	96	92	93	94	1.5									
26	15.8	24.4	17.1	18.6	25.6	15.6		12.9	12.2	14.2	13.1	96	53	98	82	6.2									
27	14.0	26.2	16.8	18.4	27.3	14.0		11.7	11.8	14.4	12.6	98	46	100	81	4.0									
28	16.3	24.0	19.8	20.0	26.0	15.6		13.9	12.4	15.6	14.0	100	50	90	82	5.2									
29	16.0	24.8	16.0	18.2	26.0	15.8		13.4	12.3	13.0	12.9	98	52	95	82	6.4									
30	14.9	24.5	20.0	19.9	26.0	14.7		12.1	13.1	15.8	13.7	96	58	90	81	7.9									
31	16.8	22.6	16.4	18.0	24.0	15.7		13.8	13.6	13.4	13.6	96	66	96	86	4.2									
Med.	15.5	24.0	18.5	19.1	25.8	14.8		12.7	13.1	14.4	13.4	97	60	90	82	5.7									

Precipitación total : 104.5

DATOS DIARIOS

Estación L. A. ROSA Mes ABRIL Año 1969 φ = 4° 52' N λ = 159° 42' W GR Altura 1.280 M.

Table with columns: TEMPERATURAS (7, 14, 20, Med, Máx, Mín, Mínima Suho), TENSION DEL VAPOR (7, 14, 20, Med), Humedad Relativa (% (7, 14, 20, Med)), NUBOSIDAD (Horas), RITMO SOLAR (Horas), PRECIPITACION (mm (7, 14, 20, Total)), EVAPORACION (mm), VIENTOS (7, 14, 20) (DIRECCION, FUERZA, Km/Hora).

Precipitación total: 350.8 mm.

DATOS DIARIOS

Estación L. S. R. O. S. A. Mes N. Y. O. Año 19 6 9 $\phi = 49^{\circ} 52' N$ $\lambda = 75^{\circ} 42' W. G. R.$ Altura 1,480 M.

Días	TEMPERATURAS						TENSION DEL VAPOR						Humedad Relativa %			NUBOSIDAD DECIMOS	Brillo Solar Horas	PRECIPITACION m. m.			VIENTOS		
	m. c.		Med.		Máx. Min.		m. m.		Med.		Máx. Min.		Med.		m. m.			DIREC. FUERZA		DIREC. FUERZA			
	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20			7	14	20	7	14	20
1	16.8	20.4	18.8	18.7	21.0	16.0	11.8	14.0	15.4	14.4	96	78	94	89	—	—	—	—	—	—	—		
2	15.0	23.0	15.8	17.4	24.0	14.0	11.5	13.2	13.2	12.6	80	63	98	84	5.6	—	—	—	—	—	—		
3	14.6	23.4	18.0	18.5	24.8	13.6	12.2	11.8	14.6	12.9	95	55	94	82	6.0	—	—	—	—	—	—		
4	16.4	23.4	17.8	18.8	23.0	15.2	13.3	12.9	14.4	13.5	95	60	94	83	—	—	—	—	—	—	—		
5	15.8	22.0	16.8	17.8	23.0	15.3	12.9	13.0	13.6	13.2	96	66	95	86	6.0	—	—	—	—	—	—		
6	14.8	22.0	17.7	18.0	23.6	12.3	12.1	12.8	14.4	13.1	98	65	94	85	7.3	—	—	—	—	—	—		
7	15.1	23.6	15.8	17.6	23.4	14.0	12.4	15.4	12.9	13.6	98	70	96	87	2.7	—	—	—	—	—	—		
8	14.2	19.4	18.3	17.6	23.0	12.8	11.5	12.7	14.9	13.0	95	75	95	88	3.7	—	—	—	—	—	—		
9	16.8	18.0	15.7	16.6	21.3	16.3	11.8	13.8	12.9	11.5	96	90	96	94	0.5	—	—	—	—	—	—		
10	14.8	17.4	16.8	16.4	20.6	14.4	12.1	14.0	13.6	13.2	96	94	95	95	8.7	—	—	—	—	—	—		
11	14.2	25.8	19.3	19.6	28.2	14.0	11.6	12.5	15.6	13.2	96	50	94	80	—	—	—	—	—	—	—		
12	17.0	26.8	17.0	19.4	27.0	16.3	14.0	14.6	14.0	14.2	96	55	96	82	6.1	—	—	—	—	—	—		
13	15.8	20.8	17.8	18.0	22.0	15.2	12.9	14.7	14.5	14.0	96	80	95	90	1.2	—	—	—	—	—	—		
14	16.4	15.9	17.1	16.6	20.8	15.8	13.7	13.4	14.3	13.7	98	98	96	97	0.1	—	—	—	—	—	—		
15	15.0	21.8	17.1	17.8	22.4	14.4	12.5	13.6	13.8	13.3	98	70	95	88	2.1	—	—	—	—	—	—		
16	15.4	23.0	19.4	19.1	24.3	14.9	12.6	12.6	14.7	13.3	96	60	88	81	2.0	—	—	—	—	—	—		
17	15.8	19.7	18.6	18.2	23.3	15.6	12.8	14.2	14.4	13.8	95	82	90	89	5.0	—	—	—	—	—	—		
18	15.6	23.0	18.8	19.0	23.8	15.2	13.8	13.2	14.6	13.9	96	63	90	83	3.3	—	—	—	—	—	—		
19	16.0	20.2	17.8	18.0	24.0	15.6	12.3	12.4	14.4	13.0	90	70	94	85	5.1	—	—	—	—	—	—		
20	15.8	23.8	16.8	18.3	23.2	13.0	12.9	13.3	13.6	13.3	96	60	95	84	6.1	—	—	—	—	—	—		
21	16.4	18.4	17.0	17.2	22.0	15.3	13.3	12.8	13.7	13.3	95	80	94	90	2.7	—	—	—	—	—	—		
22	13.8	22.0	16.9	17.4	25.0	12.0	11.5	12.4	13.6	12.5	96	64	95	85	5.5	—	—	—	—	—	—		
23	16.8	23.3	19.8	19.9	24.0	16.0	13.6	12.8	15.1	14.8	95	60	88	81	1.3	—	—	—	—	—	—		
24	15.9	25.8	17.0	18.9	26.4	15.0	12.8	12.8	13.8	13.1	95	51	95	80	10.3	—	—	—	—	—	—		
25	14.3	26.4	20.8	20.5	27.7	13.8	11.9	13.4	14.7	13.1	98	53	86	77	—	—	—	—	—	—	—		
26	17.0	19.3	17.8	18.0	23.3	16.6	14.2	15.0	14.7	14.6	98	90	96	95	—	—	—	—	—	—	—		
27	15.8	23.3	17.8	18.7	24.0	13.8	12.8	12.8	14.4	13.3	95	60	94	83	3.7	—	—	—	—	—	—		
28	16.0	22.8	18.6	19.0	24.6	15.6	13.1	15.3	14.5	14.3	96	73	91	87	2.4	—	—	—	—	—	—		
29	16.6	24.2	19.1	19.8	25.2	16.1	13.5	14.8	15.5	14.6	95	55	94	85	—	—	—	—	—	—	—		
30	15.8	23.0	19.2	19.3	23.8	15.3	12.9	14.9	15.1	14.3	96	71	91	86	2.8	—	—	—	—	—	—		
31	17.0	23.8	19.4	19.9	24.0	16.4	14.0	13.3	15.2	14.2	96	60	90	82	1.3	—	—	—	—	—	—		
Med.	15.7	22.1	17.9	18.4	24.0	14.8	12.8	13.5	14.3	13.5	96	69	93	86	(3.4)	—	—	—	—	—	—		

Precipitación total : 397.4 m.m.

DATOS DIARIOS

Estación La Hoya Mes Junio Año 19 69 φ = 4° 52' N λ = 75° 42' WGR Altura 1.480 M.

Table with columns: TEMPERATURAS (7, 14, 20 Med, Máx, Mín, Mínima Sueto), TENSION DEL VAPOR (7, 14, 20 Med), Humedad Relativa (7, 14, 20 Med), NUBOSIDAD DECIMOS, Brillo Solar Horas, PRECIPITACION (7, 14, 20 Total) mm, EVAPORACION mm, VIENTOS (7, 14, 20 DIRECCION, FUERZA Km/Hora).

Precipitacion total = 224.4 m.m.

DATOS DIARIOS

Estación La Rosa Mes Agosto Año 1969 $\phi = 49^{\circ} 52' N$ $\lambda = 75^{\circ} 42' W$ G.R. Altura 1.480 M.

Días	TEMPERATURAS °C				TENSIÓN DEL VAPOR m m				Humedad Relativa				BRILLO SOLAR HORAS	PRECIPITACION in m			VIENTOS		
	7	14	20	Med.	Máx.	Min.	Mínima Suelo	7	14	20	Med.	7		14	20	Total	7	14	20
1	15.4	22.8	16.8	18.0	24.7	14.6	12.6	12.5	13.9	12.7	96	56	90	82	3.4	14.3			
2	15.0	26.0	18.0	19.2	27.4	13.6	12.1	11.3	13.8	12.4	95	45	90	77					
3	15.0	22.2	20.0	19.3	27.8	14.0	12.1	10.4	14.1	12.2	95	51	80	75	5.7		0.7		
4	16.1	25.4	18.8	20.3	26.2	17.0	14.9	8.8	13.6	12.4	96	36	84	72	5.4				
5	14.0	23.3	17.4	18.0	24.0	13.3	11.4	8.5	10.6	10.2	95	40	70	67	8.5	24.3		28.0	
6	16.8	25.4	17.4	19.2	26.0	15.3	11.6	9.8	13.2	12.2	95	46	90	75	6.7	28.0		31.5	
7	15.8	22.0	16.2	17.4	23.3	14.0	11.6	13.0	13.1	12.6	91	66	95	84	3.0	1.5	1.8	4.9	
8	15.8	23.3	16.4	18.0	24.0	14.7	12.8	11.2	13.4	12.5	95	52	96	81	3.5		1.7	1.8	
9	14.8	22.0	16.8	17.6	22.4	14.0	12.0	11.9	13.1	12.3	95	50	91	82	4.0	6.1		1.1	
10	15.3	22.0	17.3	18.0	24.0	14.2	12.3	10.6	14.1	12.3	95	54	92	86	5.0		1.6	2.3	
11	14.8	22.0	16.0	17.2	22.4	14.3	12.1	12.3	10.6	11.7	96	62	78	79	2.9	6.1			
12	13.2	22.0	17.2	17.4	23.0	13.3	11.4	10.6	13.2	11.7	100	54	90	81	5.4				
13	14.4	20.6	16.8	17.2	22.2	13.7	11.8	14.5	12.9	13.1	96	80	90	89	2.9				
14	15.2	21.4	18.2	18.2	24.8	14.1	12.3	9.4	13.7	11.8	95	50	68	76	5.7		0.2	0.2	
15	15.4	22.8	17.7	18.4	23.8	14.2	12.4	11.6	14.7	13.0	96	55	96	82	2.9	6.1	0.4	3.0	
16	15.8	20.8	16.8	17.6	23.3	15.2	12.9	11.8	12.9	12.5	96	64	90	83	3.6	6.7			
17	15.2	22.8	17.4	18.2	23.3	14.8	12.4	11.6	12.8	12.3	96	56	86	79	1.8				
18	14.8	22.4	16.8	17.7	24.1	14.0	12.2	11.1	12.9	12.9	97	54	90	80	7.5				
19	14.2	22.0	17.8	18.0	22.8	13.0	12.2	11.9	13.7	12.6	100	60	90	83	5.4	34.4		0.2	
20	15.1	25.0	16.8	18.4	24.0	14.8	12.3	10.2	12.9	11.8	96	51	90	79	1.9	6.2	1.4	2.6	
21	15.5	19.2	19.0	18.2	23.3	15.0	12.7	14.7	13.8	13.7	96	88	90	91	3.4				
22	14.5	24.5	15.8	17.6	25.2	13.0	11.9	12.3	12.2	12.1	96	53	92	80	6.7	14.9		1.2	
23	14.9	19.0	17.8	17.4	23.0	14.0	12.0	12.5	14.4	13.0	95	76	94	88	3.2				
24	16.0	19.2	17.8	17.7	23.0	15.8	13.0	14.0	13.4	13.5	95	84	88	89	2.5	1.1			
25	14.9	20.4	16.8	17.2	23.3	13.8	12.1	10.1	13.5	11.9	96	56	94	82	3.3				
26	15.0	22.8	16.8	17.8	24.2	14.7	12.6	10.9	12.9	12.1	96	52	90	79	5.5	0.2	2.5	6.3	
27	16.0	21.1	16.8	17.7	23.3	15.3	12.8	13.1	12.9	12.3	94	60	90	81	3.5	0.2	6.1	5.1	
28	15.0	24.0	18.0	18.8	24.2	16.3	11.5	12.0	12.5	12.0	90	53	81	75	6.0	15.9		22.0	
29	15.7	24.2	17.6	18.8	24.4	14.8	12.7	11.6	14.0	12.8	94	51	93	79	4.9				
30	15.2	23.2	18.0	18.6	24.4	15.0	12.4	11.4	13.8	12.5	96	53	90	80	5.4		1.4	14.4	
31	15.7	24.0	16.8	18.3	25.4	14.8	12.5	12.0	12.9	12.5	93	53	90	79	5.5	0.5	1.5	2.0	
Med	15.2	22.5	17.3	18.1	24.0	14.3	12.4	11.5	13.2	12.3	95	57	89	80	4.6	4.4	0.5	7.4	

Precipitación total : 236.7 m.m.

D A T O S D I A R I O S

Estación L. A. R. O. S. A.

Mes S e p t i e m b r e A ñ o 1 9 6 9

φ - 4 9° 52' N λ - 75° 42' W G R

Altura 1.4 0 0 M.

Días	T E M P E R A T U R A S °C					T E N S I O N D E L V A P O R m m			H u m e d a d R e l a t i v a %			N U B O S I D A D DECIMOS	B r i l l o Solar Horas	P R E C I P I T A C I O N m m			E V A P O R A C I O N m m			V I E N T O S						
	7	14	20	Med.	Máx.	Mín.	Mínima Suelo	7	14	20	Med.			7	14	20	Total	7	14	20	DIREC- CION	K.m./Hora	DIREC- CION	K.m./Hora	DIREC- CION	K.m./Hora
1	15.2	23.2	16.8	18.0	24.4	13.6	11.6	11.6	13.6	12.3	90	54	95	80	3.3	48.2	—	0.7	1.0							
2	14.5	18.8	14.8	15.7	24.2	13.0	11.9	14.0	11.6	12.5	96	86	92	91	4.8	0.3	0.8	1.7	2.5							
3	14.0	25.4	17.0	18.4	26.2	11.8	11.5	10.7	11.6	11.3	96	44	80	73	9.6	—	—	—	—							
4	14.8	24.4	16.8	18.2	27.0	13.3	12.1	10.3	16.0	12.8	96	45	70	70	8.5	—	—	—	—							
5	14.5	27.2	20.5	20.7	28.3	11.7	11.9	12.1	11.6	11.9	96	44	64	68	8.9	—	—	—	—							
6	16.0	22.0	17.0	18.0	25.2	14.7	13.3	11.9	12.3	12.4	96	60	83	80	6.2	—	7.6	3.5	11.1							
7	14.4	23.2	17.1	18.0	25.2	13.1	11.7	12.1	13.7	12.5	95	57	94	82	4.8	—	—	—	—							
8	14.0	26.0	19.8	19.9	27.7	12.8	11.5	10.9	14.7	12.4	96	43	85	75	7.6	—	—	—	—							
9	16.0	25.8	20.4	20.6	27.0	15.4	13.0	10.6	13.7	12.4	95	43	76	71	2.9	—	—	—	—							
10	15.5	25.4	19.3	19.9	26.0	14.7	12.5	10.8	14.0	12.4	95	45	84	75	9.2	—	—	—	—							
11	15.4	25.8	18.8	19.7	27.3	15.0	12.5	12.0	13.1	12.5	95	46	80	74	9.2	1.6	—	—	—							
12	14.1	24.0	19.3	19.2	27.3	12.6	11.5	10.0	11.7	11.1	96	45	70	70	6.9	—	—	—	—							
13	14.0	28.3	20.0	20.6	29.4	13.3	10.3	8.6	12.2	10.4	96	30	70	65	10.4	—	—	—	—							
14	14.2	26.0	20.4	20.2	28.2	13.8	11.6	10.0	10.9	10.8	96	40	60	65	6.0	—	—	—	—							
15	15.6	25.2	20.6	20.5	27.0	14.8	12.8	10.7	13.6	12.4	96	45	74	72	4.2	—	—	—	—							
16	16.2	19.8	16.0	17.0	22.0	15.3	13.1	12.6	13.1	12.9	95	73	96	88	4.7	2.3	2.0	19.7	22.3							
17	14.3	19.0	13.6	15.1	20.0	14.1	11.5	13.9	11.1	12.2	95	85	95	92	2.1	0.6	0.7	—	17.0							
18	12.0	13.2	15.0	13.8	18.3	11.4	10.0	10.9	12.1	11.0	96	96	95	96	1.3	16.3	5.4	1.0	15.5							
19	12.1	14.0	12.0	12.5	15.3	12.0	10.2	10.8	10.0	10.3	96	90	96	94	—	9.1	9.8	—	9.8							
20	11.0	17.2	12.4	13.2	16.0	10.8	9.5	9.7	10.2	9.8	96	66	94	85	2.0	—	—	—	0.4	3.6						
21	12.0	20.0	12.8	14.8	20.7	11.8	10.5	9.4	11.3	10.3	100	53	100	84	—	3.2	—	2.4	20.6							
22	11.8	14.1	11.6	12.3	20.0	11.6	9.9	11.4	9.8	10.4	96	95	96	96	0.9	18.2	18.9	—	18.9							
23	11.0	19.3	12.0	13.0	21.3	9.0	8.8	8.4	10.0	9.1	100	50	96	82	1.9	—	—	—	1.5							
24	11.0	17.2	12.0	13.0	19.2	9.3	9.8	9.7	10.0	9.8	100	66	95	87	6.2	—	—	—	—							
25	10.0	21.0	13.2	14.4	21.9	8.5	9.2	8.6	10.9	9.5	100	46	96	81	6.2	—	—	—	—							
26	12.4	18.3	16.3	14.8	19.0	12.2	10.3	10.2	10.9	10.5	96	64	90	83	1.8	8.9	0.1	—	—							
27	13.0	17.4	13.0	14.1	20.1	11.8	11.0	10.6	11.1	10.9	98	70	99	88	6.4	—	—	—	—							
28	12.0	20.8	15.0	15.7	22.4	11.0	9.7	9.8	11.7	10.4	92	53	92	79	5.7	11.3	—	—	—							
29	11.8	17.5	13.8	14.2	20.0	11.7	9.9	10.8	10.9	10.5	96	72	93	87	2.7	21.7	0.3	0.1	0.4							
30	13.0	21.4	16.3	16.8	22.0	10.8	10.5	10.5	11.8	10.9	95	55	85	78	7.0	—	—	—	—							
31																										
Med.	13.5	21.4	16.0	16.8	23.3	12.5	11.1	10.8	12.0	11.3	96	59	87	80	5.0	4.7	1.5	2.5	8.0							

Precipitación total : 239.2 m.m.

DATOS DIARIOS

Estación La Rosa

Mes Octubre

Año 19 69

$\phi = 40^{\circ} 58' N$ $\lambda = 75^{\circ} 42' W$ OR

Altura 1,400 M.

Días	TEMPERATURA $^{\circ}C$						TENSIÓN DEL VAPOR mm						Humedad Relativa %			NUBOSIDAD DECIMOS			Brillo Solar Horas			PRECIPITACION mm			VIENTOS				
	7	14	20	Med.	Max.	Min.	7	14	20	Med.	7	14	20	Med.	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20
	Mínima Suelo																												
1	11.0	15.6	11.8	12.6	17.0	10.0	9.8	10.0	9.9	9.9	10.0	76	96	91	1.5	26.1	33.7	—	—	—	—	—	—	—	—	—	—	—	
2	11.2	17.3	14.4	14.3	18.0	10.4	9.6	10.3	11.8	10.6	96	70	96	87	1.8	—	—	—	—	—	—	—	—	—	—	—	—	—	
3	11.4	18.8	12.0	13.6	19.3	10.6	9.3	11.3	10.0	10.2	95	70	96	87	0.8	39.1	0.2	12.5	13.0	—	—	—	—	—	—	—	—	—	
4	11.8	18.8	12.0	13.6	19.3	11.3	10.0	10.6	10.0	10.2	97	65	96	86	1.4	—	—	—	—	—	—	—	—	—	—	—	—	—	
5	10.0	13.6	12.1	12.0	14.8	10.0	9.2	10.5	10.0	9.9	100	90	96	95	—	12.2	4.6	1.2	5.8	—	—	—	—	—	—	—	—	—	
6	11.0	19.0	13.3	14.2	20.4	10.3	9.4	9.5	10.6	9.8	95	58	93	82	4.3	—	—	—	—	—	—	—	—	—	—	—	—	—	
7	12.0	21.3	13.3	15.0	21.8	11.8	10.0	8.6	10.3	9.6	95	45	90	77	7.1	—	—	—	—	—	—	—	—	—	—	—	—	—	
8	12.8	15.1	12.4	13.2	20.0	11.3	10.6	10.3	10.3	10.4	96	84	95	92	3.2	0.3	0.4	1.5	4.2	—	—	—	—	—	—	—	—	—	
9	12.0	17.0	13.3	13.9	18.8	11.4	10.0	8.7	10.8	9.8	96	60	95	84	1.8	2.3	0.4	4.3	4.7	—	—	—	—	—	—	—	—	—	
10	11.2	21.0	14.3	15.2	22.4	10.3	9.6	10.3	11.2	10.4	95	72	94	87	6.9	—	—	—	—	—	—	—	—	—	—	—	—	—	
11	12.2	18.0	12.0	13.6	20.6	11.6	10.2	11.2	9.9	10.4	95	72	94	87	3.1	—	—	—	—	—	—	—	—	—	—	—	—	—	
12	10.0	20.6	14.2	14.8	21.0	8.0	8.9	9.5	11.6	10.0	96	52	96	81	8.8	0.1	—	—	—	—	—	—	—	—	—	—	—	—	
13	12.0	14.8	11.8	12.6	21.7	10.4	10.0	9.4	10.0	9.8	96	52	97	82	5.1	—	—	—	—	—	—	—	—	—	—	—	—	—	
14	10.0	19.4	14.1	14.4	20.4	8.0	9.0	8.2	11.2	9.5	96	48	94	79	3.7	—	—	—	—	—	—	—	—	—	—	—	—	—	
15	12.0	15.6	12.2	13.0	16.3	11.3	10.0	11.0	10.2	10.4	95	84	96	92	0.1	1.6	—	6.5	15.8	—	—	—	—	—	—	—	—	—	
16	11.2	18.0	11.8	13.2	19.4	10.4	10.1	7.8	10.5	9.5	98	51	95	81	1.1	9.3	1.9	1.5	3.5	—	—	—	—	—	—	—	—	—	
17	10.7	18.2	13.6	14.0	20.0	9.0	9.4	11.0	10.8	10.4	96	70	93	86	6.5	0.1	—	—	—	—	—	—	—	—	—	—	—	—	
18	10.9	20.0	13.3	14.4	21.2	10.0	9.4	10.6	10.6	10.2	96	60	94	83	4.3	—	—	—	—	—	—	—	—	—	—	—	—	—	
19	10.8	21.5	13.3	14.7	22.6	9.6	9.4	9.5	10.6	9.8	96	50	94	80	4.3	—	—	—	—	—	—	—	—	—	—	—	—	—	
20	12.0	17.8	13.6	14.2	21.3	9.4	10.0	12.1	10.9	11.1	96	80	94	90	5.5	—	—	—	—	—	—	—	—	—	—	—	—	—	
21	10.0	15.8	14.3	14.4	21.4	9.0	8.9	10.5	10.9	10.1	96	64	90	83	5.8	0.4	—	0.1	17.6	—	—	—	—	—	—	—	—	—	
22	11.6	19.1	13.0	14.2	19.4	11.1	9.8	10.4	10.4	10.2	95	63	92	83	5.3	17.5	0.4	—	—	—	—	—	—	—	—	—	—	—	
23	11.0	21.0	12.8	14.4	22.0	10.0	9.4	11.3	10.5	10.5	95	60	97	84	8.5	—	—	—	—	—	—	—	—	—	—	—	—	—	
24	11.0	16.2	13.1	13.4	18.8	10.5	9.8	11.9	10.5	10.7	100	86	95	94	4.6	30.5	0.3	—	—	—	—	—	—	—	—	—	—	—	
25	10.0	20.4	14.3	14.8	20.8	9.0	9.0	9.1	11.2	9.8	98	50	93	80	8.2	—	—	—	—	—	—	—	—	—	—	—	—	—	
26	12.0	20.6	14.3	15.3	21.3	11.4	10.0	7.5	10.3	9.9	96	52	86	78	8.9	20.1	—	—	—	—	—	—	—	—	—	—	—	—	
27	11.0	20.6	14.7	15.2	21.7	10.4	9.5	9.7	12.1	10.4	96	53	96	82	7.7	—	—	—	—	—	—	—	—	—	—	—	—	—	
28	12.0	21.2	16.3	16.4	23.3	11.5	10.0	11.0	12.7	11.2	95	58	93	82	7.2	—	—	—	—	—	—	—	—	—	—	—	—	—	
29	14.0	10.8	16.4	16.4	22.2	10.4	11.5	14.6	13.4	13.2	96	90	96	94	4.8	1.1	3.2	1.4	4.6	—	—	—	—	—	—	—	—	—	
30	12.4	18.6	13.6	14.6	22.0	12.0	10.3	11.3	10.9	10.8	95	70	94	86	5.0	—	—	—	—	—	—	—	—	—	—	—	—	—	
31	12.0	19.9	13.4	14.7	22.5	11.0	10.0	7.8	10.8	9.5	95	45	92	77	7.0	—	—	—	—	—	—	—	—	—	—	—	—	—	
Med.	11.4	18.6	13.4	14.2	20.4	10.4	9.7	10.2	10.8	10.3	96	64	94	85	4.7	5.2	1.5	3.8	9.8	—	—	—	—	—	—	—	—	—	

Precipitación total : 304.9 mm.

DATOS DIARIOS

Altura 1.480 M.

φ - 48° 52' N λ - 78° 42' WGR

AÑO 1969

Mes Noviembre

Estación La Rosa

Días	TEMPERATURAS °C						TENSION DEL VAPOR m.m.						Humedad Relativa %			NUBESIAS DECIMAS	Brillo Solar Horas	PRECIPITACION m.m.			EVAPORACION m.m.	VIENTOS					
	7		14		20		7		14		20		7		14			20		7		14		20			
	Med.	Max.	Min.	Min.	Max.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.			Med.	Med.	DIRECCION		FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA	
1	14.0	22.0	15.6	16.8	24.8	12.0	10.8	11.2	11.4	11.1	90	56	86	77	9.8	6.5	0.9	---	---	---	---	---	---				
2	17.3	25.5	18.8	20.1	27.4	17.0	14.1	13.0	15.4	14.2	96	53	94	81	---	---	---	---	---	---	---	---	---				
3	16.4	26.3	20.0	20.7	27.8	16.0	13.3	12.8	16.4	14.2	95	50	94	80	9.2	---	---	---	---	---	---	---	---				
4	19.0	26.8	19.1	21.0	28.3	17.6	13.2	13.2	14.1	13.5	80	90	86	72	7.9	---	---	---	---	---	---	---	---				
5	17.0	24.2	17.1	17.8	22.8	16.8	13.8	14.3	13.8	14.0	95	80	95	90	7.5	0.2	0.9	0.3	1.2	---	---	---	---				
6	17.2	25.4	18.4	19.8	26.3	16.0	14.0	12.3	15.0	13.8	90	50	96	78	5.6	20.3	---	6.7	14.4	---	---	---	---				
7	16.0	24.2	17.3	18.7	25.0	15.5	13.1	11.9	14.1	13.0	96	52	96	81	---	7.7	---	2.6	17.5	---	---	---	---				
8	15.8	23.3	16.8	18.2	24.4	15.2	12.8	11.4	13.6	12.6	95	51	95	81	4.6	14.9	0.7	0.2	3.8	---	---	---	---				
9	15.9	23.1	18.8	19.2	24.2	15.4	12.9	12.6	15.7	13.7	96	60	92	83	2.5	25.9	---	19.7	19.7	---	---	---	---				
10	16.3	23.2	17.1	18.4	24.0	15.2	13.1	12.1	13.8	13.0	95	57	95	82	4.8	---	0.7	0.7	24.6	---	---	---	---				
11	15.2	22.2	19.3	19.0	24.2	14.6	12.4	12.0	12.1	12.2	96	60	91	82	3.8	23.2	2.4	0.5	2.9	---	---	---	---				
12	18.8	18.0	17.9	23.8	36.0	16.0	13.8	14.0	14.7	14.2	96	86	95	92	6.1	---	---	---	1.6	---	---	---	---				
13	15.0	26.3	18.0	19.3	27.0	14.4	12.1	14.0	14.5	13.5	95	55	93	81	4.6	1.6	---	3.4	3.5	---	---	---	---				
14	16.5	25.4	18.1	19.5	26.0	16.2	13.5	12.4	14.5	13.5	96	51	93	80	7.1	0.1	---	14.8	14.8	---	---	---	---				
15	16.4	24.8	18.0	19.3	25.4	16.0	13.4	12.0	14.2	13.2	96	51	96	81	---	---	---	---	---	---	---	---	---				
16	16.8	23.4	18.8	19.4	25.0	15.2	13.6	12.9	14.0	13.5	95	60	86	80	---	---	---	---	---	---	---	---	---				
17	17.0	25.6	18.1	19.7	27.0	16.8	13.7	11.0	14.0	12.9	94	45	91	77	6.6	11.3	1.1	---	3.1	---	---	---	---				
18	17.8	23.2	17.1	18.8	25.4	15.6	14.7	13.4	14.6	14.2	96	63	91	84	5.2	---	---	---	---	---	---	---	---				
19	15.9	24.8	17.4	18.7	25.2	14.6	12.9	11.8	13.1	12.6	96	50	90	79	5.1	3.2	---	0.3	3.3	---	---	---	---				
20	16.0	25.0	18.4	19.4	25.6	15.1	13.1	10.8	12.8	12.2	96	46	80	74	7.9	3.0	---	---	---	---	---	---	---				
21	16.9	26.8	19.4	20.6	26.4	15.0	13.7	13.2	14.3	13.7	96	50	85	77	5.3	---	---	---	---	---	---	---	---				
22	17.0	25.0	20.0	20.5	25.6	16.8	14.0	10.6	14.9	13.2	96	45	85	75	4.9	---	---	---	---	---	---	---	---				
23	16.1	27.0	18.6	20.1	27.4	15.4	13.1	13.0	15.3	13.8	96	48	95	80	7.7	---	---	0.5	14.7	---	---	---	---				
24	17.4	24.2	19.0	19.9	24.4	16.6	14.2	12.3	15.3	13.9	96	54	94	81	4.2	14.2	8.0	---	8.1	---	---	---	---				
25	16.8	20.6	17.1	17.9	23.8	16.3	12.9	12.7	14.0	13.2	96	70	96	85	3.0	0.1	8.2	---	8.2	---	---	---	---				
26	17.1	24.1	19.1	19.8	24.4	15.4	14.0	12.4	15.5	14.0	96	55	94	82	3.5	---	---	---	9.1	---	---	---	---				
27	16.0	23.8	18.3	19.8	26.0	14.5	12.3	11.2	14.2	12.6	90	45	91	75	8.6	9.1	---	---	1.3	---	---	---	---				
28	16.2	27.2	19.3	20.5	28.0	15.3	13.3	12.3	15.6	13.7	96	45	94	78	6.2	1.3	---	---	4.9	---	---	---	---				
29	17.2	21.3	17.3	18.3	22.4	16.4	14.0	13.5	14.1	13.9	95	72	96	88	4.6	4.9	2.6	---	2.6	---	---	---	---				
30	14.0	22.4	18.8	18.5	23.6	13.0	11.5	14.3	15.4	13.7	96	70	94	87	6.6	---	---	---	1.4	---	---	---	---				
Medi	16.4	24.1	18.2	19.2	25.4	15.5	13.2	12.5	14.3	13.4	94	56	92	81	5.1	4.1	0.9	2.2	7.0	---	---	---	---				

Precipitación total : 210.5 m.m.

DATOS DIARIOS

Estación L. R. ROA Año 19 69 Mes Diciembre Altura 1.480 M. φ = 48° 52' N λ = 75° 42' WGR

Table with columns: Días, TEMPERATURAS (7, 14, 20, Med, Máx, Mín, Mínimo Sello), TENSION DEL VAPOR (7, 14, 20, Med, m m), Humedad Relativa (7, 14, 20, Med, %), NUBESIDAD (DECIMOS, Horas), Brillo Solar (Horas), PRECIPITACION (7, 14, 20, Total, m m), EVAPORACION (m m), VIENTOS (7, 14, 20, DIRECCION, FUERZA, Km./Hora).

Precipitación total: 62.9

RESUMEN MENSUAL Y ANUAL

ESTACION: La Brea

AÑO: 1989

DÍAS DE MESA	PRESION ATMOSFERICA SOBRE 800 MM. HG.			TEMPERATURA DC			TEMPERATURAS EXTREMAS DC						HUMEDAD RELATIVA %			TENSIÓN DEL VAPOR DEL VAPOR MM. HG.			NUBOSIDAD MEDIA EN DECIMOS			HORAS DE SOLAR			MÁX. EVAPORACION MM.							
	MAYOMA	DIA	MAYOMA	7	14	20	MAYOMA	MAYOMA	MAYOMA	MAYOMA	MAYOMA	MAYOMA	MAYOMA	MAYOMA	MAYOMA	MAYOMA	MAYOMA	MAYOMA	MAYOMA	MAYOMA	MAYOMA	MAYOMA	MAYOMA	MAYOMA	MAYOMA	MAYOMA	MAYOMA	PRECIPITACION				
																												7	14	20	SUMA	DIAS LLUVIOSOS
ENERO				14.7	23.4	17.7	18.4	24.8	13.8	28.2	31	11.0	16	97	59	92	83	35	15.6	9.6	12.9		6.2			77.7	10.0	5.6	93.1	13	32.2	23
FEBRERO				15.3	24.2	18.3	19.0	25.4	14.6	28.6	21	10.0	1	96	58	90	81	35	16.6	10.2	13.2		6.5			41.0	25.6	58.8	121.0	14	22.6	9
MARZO				15.5	24.0	18.5	19.1	25.8	14.8	29.0	16	12.8	19	96	60	90	82	40	16.2	10.7	13.4		5.7			23.8	7.5	74.4	104.5	10	36.0	31
ABRIL				15.5	22.1	17.5	18.1	23.6	14.8	26.8	10	13.3	V	96	68	93	86	46	15.2	10.2	13.3		3.6			192.8	27.8	104.5	330.8	22	63.2	3
MAYO				15.7	22.1	17.9	18.4	24.0	14.8	27.7	25	12.0	22	96	69	93	86	50	15.6	11.5	13.5		3.4			188.5	32.9	227.5	397.4	23	111.3	7
JUNIO				15.1	22.0	18.2	18.3	24.1	14.4	26.2	29	12.4	17	96	69	91	86	50	17.0	10.9	13.4		4.0			113.2	65.2	49.6	224.4	23	67.7	26
JULIO				15.2	24.5	19.5	19.7	26.5	14.2	29.4	27	11.8	23	96	52	78	75	28	15.4	8.2	12.4		6.7			2.4	29.3	40.6	86.6	12	24.1	30
AGOSTO				15.2	22.5	17.3	18.1	24.0	14.3	27.4	2	11.3	12	95	57	89	80	36	14.9	8.5	12.3		4.6			137.2	15.2	44.4	230.7	23	53.7	31
SEPTIEMBRE				13.5	21.4	16.0	16.8	23.3	12.5	29.4	13	8.5	25	96	59	87	80	30	16.0	6.4	11.3		5.0			141.7	45.6	74.0	239.2	20	33.9	25
OCTUBRE				11.4	18.6	13.4	14.2	20.4	10.4	23.3	28	8.0	V	96	64	94	85	45	14.6	7.8	10.3		4.7			161.8	45.9	116.8	304.9	27	47.9	23
NOVIEMBRE				16.4	24.1	18.2	19.2	25.4	15.5	28.3	4	12.0	1	94	56	92	81	45	16.4	10.6	13.4		5.1			124.5	26.6	65.9	210.5	25	24.6	11
DICIEMBRE				17.3	24.1	18.8	19.7	25.4	15.9	28.8	31	13.8	23	94	58	91	81	40	16.3	10.7	13.8		5.0			45.0	22.7	21.2	88.9	17	20.5	8
MEDIA ANUAL				15.1	22.3	17.6	18.2	24.4	14.2	27.8	-	11.4	-	96	61	90	82	40	15.8	9.8	12.6		5.0			98.3	31.2	73.2	202.3	229	44.8	-

PRECIPITACION TOTAL: 2.432.0

PRECIPITACION MAXIMA: 111.3 T - T

DIAS LLUVIOSOS: 229

AÑO: 1.969

FRECUENCIA DE PRECIPITACION Y TEMPERATURA

ESTACION: La Rosa

MESES	PRECIPITACION												TEMPERATURA														
	7 HORAS			14 HORAS			20 HORAS			TOTAL			Mínimo	Máximo	Mínimo	Máximo											
	Más de: 01 10 100 200 500	Más de: 01 10 100 200 500	Más de: 01 10 100 200 500	Más de: 01 10 100 200 500	Más de: 01 10 100 200 500	Más de: 01 10 100 200 500	Más de: 01 10 100 200 500	Más de: 01 10 100 200 500	Más de: 01 10 100 200 500	Más de: 01 10 100 200 500	Más de: 01 10 100 200 500	Más de: 01 10 100 200 500	Más de: 01 10 100 200 500	Más de: 01 10 100 200 500	Más de: 01 10 100 200 500	Más de: 01 10 100 200 500											
ENERO	8	6	3	2	-	5	3	-	6	3	-	13	10	6	5	3	2	-	11	5	4	11					
FEBRERO	7	5	2	-	-	4	3	1	1	-	6	3	2	2	-	14	11	8	7	5	3	-	2	3	1	13	
MARZO	4	3	-	-	-	6	2	-	-	-	8	4	3	2	-	10	8	6	4	3	3	-	2	15	2	18	
ABRIL	14	13	8	3	-	12	8	-	-	-	13	10	4	2	-	22	17	15	15	12	6	1	-	-	12	4	3
MAYO	11	7	4	3	-	11	4	1	1	-	20	13	7	4	1	23	20	15	14	8	6	1	4	18	6	4	
JUNIO	14	10	2	1	1	14	6	1	1	1	11	4	1	1	-	23	17	11	4	3	3	3	3	10	2	2	
JULIO	1	1	-	-	-	9	6	1	-	-	8	4	2	1	-	12	11	8	5	4	1	-	5	8	-	17	
AGOSTO	16	8	6	3	-	10	5	-	-	-	14	12	1	-	-	23	20	13	9	7	5	1	4	6	6	3	
SEPTBRE.	11	10	5	2	-	9	5	1	-	-	13	9	3	1	-	20	18	13	11	10	6	-	18	2	14	11	
OCTUBRE	15	11	6	4	-	13	4	1	1	-	20	14	5	1	-	27	20	16	12	10	5	-	31	-	26	-	
NOVIEMBRE	17	14	5	2	-	10	6	-	-	-	15	8	3	-	-	25	24	19	11	8	3	-	2	24	-	18	
DIEMBRE	9	6	2	-	-	8	3	1	-	-	9	2	1	-	-	17	9	7	6	4	1	-	2	27	2	15	
SUMA ANUAL	117	94	43	20	1	111	55	7	4	1	143	86	32	14	1	229	185	137	103	77	44	6	82	130	61	115	

FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.

MESES	PRECIPITACION MAS DE 0.1 MM.																								TOTAL
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	
ENERO	1	2	3	4	4	3	3	3	1	-	-	1	1	2	1	1	5	4	3	2	3	1	1	12	
FEBRERO	1	2	2	4	2	3	3	1	-	-	-	-	-	3	3	3	4	3	1	-	1	-	1	13	
MARZO	1	1	2	2	3	2	1	-	1	-	-	-	2	5	3	3	3	4	2	3	-	-	1	11	
ABRIL	9	7	5	4	5	4	3	2	1	1	3	1	5	9	8	7	4	3	4	6	7	6	7	8	25
MAYO	6	5	5	3	2	2	1	2	1	1	1	3	4	8	9	10	7	2	5	6	4	5	5	3	27
JUNIO	4	4	7	7	7	5	5	2	2	1	2	5	10	4	5	1	5	4	2	2	3	2	2	23	
JULIO	-	-	-	1	1	-	-	-	-	1	-	7	6	5	5	2	1	1	2	2	2	2	-	12	
AGOSTO	5	8	7	6	5	4	4	1	2	3	-	2	3	6	4	8	9	6	4	1	3	2	1	-	24
SEPTBRE.	6	6	5	6	6	5	6	3	1	1	1	3	3	6	7	7	4	3	3	2	6	6	4	5	19
OCTUBRE	7	8	7	6	7	7	7	5	5	2	-	3	5	3	8	9	8	6	9	5	8	6	5	6	28
NOVIEMBRE	4	5	6	5	7	4	6	4	5	2	-	1	4	4	11	8	6	5	2	4	4	6	6	6	22
DIEMBRE	3	3	2	2	2	2	1	1	3	1	1	1	3	4	4	4	3	3	-	1	2	1	-	17	
SUMA ANUAL	47	51	51	50	51	41	40	26	23	13	7	15	42	66	67	70	56	45	38	33	41	40	35	34	233

DATOS DIARIOS

Estación **PARAGUAYITO** Mes **MARZO** Año **1969** $\phi = 4^{\circ} 23' N$ $\lambda = 75^{\circ} 48' WGR$ Altura **1.850 M.**

Días	TEMPERATURAS °C						TENSIÓN DEL VAPOR m m						Humedad Relativa %			Brillo Solar Horas			PRECIPITACION m m			EVAPORACION m m			VIENTOS					
	Máx.		Min.		Méd.		Máx.		Min.		Méd.		Humedad Relativa %			Brillo Solar Horas			PRECIPITACION m m			EVAPORACION m m			7		14		20	
	7	14	20	Méd.	Min.	Mínimo Suelo	7	14	20	Méd.	7	14	20	Méd.	7	14	20	Méd.	7	14	20	Total	DIREC CIÓN	FUERZA Km./Hor	DIREC CIÓN	FUERZA Km./Hor	DIREC CIÓN	FUERZA Km./Hor		
1	18.0	26.8	21.0	21.6	17.4	17.0	14.7	12.0	15.7	14.1	95	46	85	75	5.3	3.8							1.8	00	0	00	0	00		
2	18.5	22.4	16.1	19.4	23.4	17.6	17.0	14.7	14.7	14.5	14.6	93	70	93	85	8.3	0.1						3.8	00	0	16	2	12		
3	17.4	26.8	20.6	21.4	28.3	16.8	15.7	14.2	11.5	14.5	13.4	95	43	80	73	6.3	4.1						2.2	00	0	12	1	12		
4	18.0	26.0	19.6	20.8	30.8	17.2	16.3	14.9	12.7	16.0	14.5	96	50	94	80	6.7	3.4						1.4	00	0	16	1	12		
5	18.0	28.6	22.1	22.7	30.4	17.0	16.1	14.7	11.7	12.8	13.1	95	40	65	67	5.1	6.2						1.3	00	0	12	1	12		
6	17.0	30.8	22.7	23.3	31.9	17.0	16.2	13.5	9.9	13.6	12.3	93	30	65	63	3.0	9.4						1.0	00	0	00	0	00		
7	17.0	30.4	22.4	23.4	31.7	16.0	15.1	13.2	10.8	11.4	11.8	91	33	58	61	2.7	10.0						1.9	12	2	12	1	12		
8	16.8	30.4	22.4	23.4	31.4	15.8	14.8	13.6	10.8	11.4	11.9	95	33	56	61	4.0	6.7						1.9	00	0	10	2	12		
9	17.2	29.0	23.7	23.4	31.3	15.1	14.2	14.0	12.1	13.3	13.1	95	40	66	65	5.7	8.6						1.7	00	0	08	2	12		
10	18.4	29.9	23.8	24.0	32.6	17.6	17.0	15.1	12.5	13.4	13.7	95	40	61	65	4.7	7.5						3.0	00	0	08	2	00		
11	18.4	24.4	20.8	21.1	30.3	17.4	16.3	14.6	10.7	16.4	13.9	93	35	90	73	6.7	4.8						2.3	00	0	12	1	00		
12	17.6	28.3	19.6	21.3	29.3	16.7	16.0	14.4	11.5	16.0	14.0	95	40	94	76	6.7	4.8						1.9	00	0	08	2	12		
13	16.0	25.3	19.4	20.5	25.4	17.3	16.4	14.7	12.8	15.2	14.0	95	50	78	8.0	1.0							1.7	00	0	30	2	12		
14	16.0	27.9	21.2	21.2	31.2	15.3	14.2	13.0	9.8	13.2	12.0	95	35	70	67	7.0	6.5						2.5	00	0	10	1	12		
15	17.0	21.3	22.2	20.7	32.0	16.3	15.0	13.8	10.4	14.1	12.8	95	30	70	65	6.0	9.4						3.1	00	0	12	1	14		
16	17.3	30.4	22.0	22.9	31.0	16.9	16.0	14.0	9.6	13.0	12.2	95	30	66	64	5.0	9.2						1.8	12	1	12	1	14		
17	16.8	31.6	23.0	23.6	32.6	16.0	15.0	12.9	8.9	12.6	11.5	90	25	60	58	3.7	10.0						3.1	00	0	08	1	14		
18	16.8	27.6	20.8	22.0	28.8	18.0	17.1	14.8	11.1	14.7	13.5	93	40	80	71	6.0	5.8						3.1	00	0	12	2	12		
19	16.8	30.6	22.8	23.2	31.5	15.4	14.6	13.2	11.6	11.1	12.0	92	35	53	60	2.8	10.3						3.1	00	0	12	2	12		
20	17.0	30.1	18.0	20.8	32.0	15.9	15.0	13.1	11.1	13.8	12.7	90	35	70	72	6.0	8.8						3.1	00	0	12	2	12		
21	17.3	28.6	19.5	21.3	30.6	16.4	16.0	13.1	11.3	14.4	12.9	96	38	85	73	9.0	5.2						0.7	00	0	14	1	12		
22	17.4	25.8	21.8	21.7	27.4	17.1	16.1	14.2	12.5	16.6	14.4	95	50	85	77	3.1	1.4						0.3			0.1	12	1		
23	18.8	29.8	22.2	21.2	31.2	17.1	16.4	15.5	12.5	15.9	14.6	95	40	80	72	5.3	6.6						2.1	00	0	10	1	12		
24	18.0	29.2	22.0	22.6	30.5	16.9	16.0	14.7	10.7	15.8	13.7	95	35	80	70	5.7	7.3						2.6	00	0	12	1	00		
25	17.4	25.0	20.6	21.6	27.0	17.0	16.3	14.2	13.4	15.8	14.5	96	56	90	81	7.3	2.4						4.1			4.1	00	0		
26	17.8	29.4	20.0	21.8	30.0	16.9	16.0	14.6	11.0	16.1	13.9	95	36	92	74	6.0	6.4						0.5	0.5	0.5	10	1	00		
27	17.6	29.3	20.8	22.1	31.0	16.7	15.8	14.4	10.7	17.1	14.1	95	35	93	74	5.7	4.3						0.9	4.5	4.5	10	1	00		
28	19.0	28.4	22.0	22.8	29.4	18.0	17.5	15.7	11.7	16.6	14.7	95	40	83	73	5.7	6.5						0.2	0.2	0.2	14	1	12		
29	18.6	29.0	19.9	21.8	31.0	17.9	17.0	14.4	12.1	15.6	14.0	90	40	90	73	5.7	6.5						1.8	9.6	9.6	10	1	12		
30	18.4	26.2	22.8	22.6	31.3	17.7	17.0	15.1	12.4	15.5	14.3	95	48	75	73	7.2	8.3						2.0	00	0	00	0	12		
31	16.1	26.8	20.0	21.2	28.3	17.9	16.8	14.7	13.2	16.6	14.8	95	50	95	86	6.7	5.0						3.5	3.6	3.6	00	0	12		
Med.	17.7	27.9	21.2	22.0	29.9	16.8	16.0	14.2	11.5	14.6	13.4	94	40	78	71	5.8	6.1						0.1	1.7	2.2	2.1	—	—		

Precipitación total : 68.0 m.m.

DATOS DIARIOS

Estación Paraguaycito Mes Abril Año 1969 ☉ = 4° 23' N λ = 75° 42' W GR Altura 1.250 M.

Días	TEMPERATURAS °C			TENSION DEL VAPOR mm			Humedad Relativa %			NUBESIDAD DECIMOS		Brillo Solar Horas		PRECIPITACION mm			EVAPORACION mm			VIENTOS										
	7	14	20	Med.	Máx.	Min.	Húmeda Suelo	7	14	20	Med.	7	14	20	Med.	7	14	20	Total	Direc.	Fuerc.	Km./Hora	7	14	20	Direc.	Fuerc.	Km./Hora		
																													VIENTOS	
1	18.8	28.2	20.2	21.1	29.8	18.5	18.0	15.7	11.8	16.1	14.5	96	41	91	76	6.0	6.5	0.1	0.4	1.2	2.4	00	0	10	1	12	1			
2	18.8	28.0	22.8	23.1	29.6	18.1	17.4	15.2	13.2	13.0	13.9	95	46	63	68	5.7	5.6	0.8	—	—	2.0	00	0	16	1	12	1			
3	19.0	27.0	21.4	22.2	29.3	17.5	16.7	15.7	13.4	14.0	14.4	95	50	73	73	6.7	6.2	—	—	—	3.6	00	0	12	1	12	1			
4	19.3	28.2	20.3	21.0	29.5	18.4	17.5	7.2	13.0	16.3	14.1	43	45	91	60	6.3	3.9	—	—	—	5.3	00	0	12	1	12	1			
5	18.8	26.8	20.0	22.4	28.0	18.1	17.1	15.5	12.3	16.9	12.9	95	46	96	79	7.0	2.2	7.2	—	—	8.4	12.6	1.4	00	0	12	1			
6	18.6	21.0	19.3	19.6	24.8	18.0	17.1	15.3	15.4	15.1	15.3	95	82	91	89	7.7	1.6	4.2	2.4	—	13.1	1.6	00	0	12	1				
7	18.0	26.8	20.6	21.5	29.6	17.5	17.0	14.9	12.0	15.3	14.1	96	45	85	75	7.3	2.3	10.7	—	—	—	—	1.6	00	0	12	1			
8	17.6	28.8	19.6	21.4	30.6	16.0	15.5	14.4	13.5	16.3	14.7	95	45	95	78	6.3	6.5	—	—	—	19.5	54.4	00	0	10	1	00	0		
9	18.0	25.0	20.4	21.0	27.4	17.4	16.6	14.9	13.1	16.0	14.7	96	55	90	80	5.3	4.1	34.9	—	—	—	—	46.0	24.4	00	0	12	1		
10	16.6	27.9	23.3	22.8	29.9	16.0	15.3	13.5	12.5	15.0	13.7	95	45	70	70	5.0	5.6	—	—	—	—	—	—	25.9	25.9	1.8	00	0		
11	18.9	25.6	18.0	20.1	26.0	18.8	17.7	15.7	14.7	14.7	15.0	96	60	95	84	6.3	0.7	46.0	—	—	—	—	8.2	2.0	00	0	16	1		
12	16.4	28.8	22.3	22.4	30.3	15.6	14.7	13.3	10.4	15.1	12.8	95	35	75	68	5.0	9.6	—	—	—	—	—	—	8.2	2.0	00	0	14	1	
13	18.8	27.0	20.0	21.4	28.6	18.0	16.9	15.3	12.2	16.9	14.8	95	45	96	79	8.3	3.6	8.2	—	—	—	—	—	3.3	0.8	14.1	1.4	00	0	
14	18.5	27.0	21.0	21.4	28.3	17.5	17.0	15.2	15.0	16.6	15.6	95	56	95	82	7.7	4.3	10.0	5.5	7.8	16.7	1.4	00	0	12	1	12	1		
15	18.1	27.3	18.8	20.8	29.0	17.8	17.0	14.6	13.5	16.2	14.8	94	50	100	81	6.7	2.1	3.4	0.5	17.7	67.8	1.6	00	0	12	1	12	1		
16	17.6	24.1	19.3	20.1	25.0	17.0	16.0	14.4	14.2	15.9	14.8	95	65	95	95	7.3	0.4	49.6	—	—	—	—	—	0.1	18.7	0.8	00	0		
17	18.0	27.3	20.1	21.4	29.3	17.3	16.4	14.9	12.3	16.6	14.6	96	45	95	79	6.0	4.4	18.6	—	—	—	—	—	0.5	0.7	1.7	00	0		
18	18.0	24.9	17.9	19.7	27.4	16.8	16.0	14.6	15.2	14.7	14.8	94	65	96	85	6.3	5.1	—	—	—	—	—	—	20.1	20.4	1.0	00	0		
19	17.0	25.8	20.4	20.9	28.4	16.3	15.4	14.6	12.5	16.0	14.4	100	50	90	80	6.7	2.4	0.3	—	—	—	—	—	4	—	—	—	2.0	00	
20	17.4	28.0	21.3	22.0	30.0	16.1	15.3	14.2	12.8	16.9	14.6	95	45	90	71	5.7	7.8	—	—	—	—	—	—	—	—	—	—	2.0	00	
21	18.0	28.4	20.6	21.9	29.9	17.0	16.4	14.9	13.2	17.2	15.1	96	45	95	79	6.0	4.8	—	—	—	—	—	—	—	—	—	—	2.0	12	
22	18.8	20.4	19.3	19.4	25.0	18.5	17.4	15.5	14.8	16.7	15.7	95	83	100	93	9.0	0.3	—	—	—	—	—	—	—	—	—	—	1.8	00	
23	16.8	25.4	20.4	20.8	26.0	16.0	15.4	13.6	13.5	16.0	14.4	95	55	90	80	6.7	1.0	15.8	—	—	—	—	—	—	—	—	—	1.8	00	
24	18.0	25.8	19.8	20.8	26.6	17.3	16.4	14.7	13.7	17.1	15.2	95	55	98	83	7.7	0.1	—	—	—	—	—	—	—	—	—	—	—	0.9	00
25	17.8	22.0	19.1	19.5	23.2	17.3	16.4	14.6	16.3	15.9	15.5	95	81	96	91	10.0	—	—	—	—	—	—	—	—	—	—	—	—	0.4	—
26	17.1	28.8	21.4	22.2	30.2	16.1	15.4	13.8	13.5	15.3	14.2	95	46	73	53.3	9.7	—	—	—	—	—	—	—	—	—	—	—	—	0.0	0
27	18.2	30.1	23.6	23.9	31.6	17.3	16.0	15.2	12.7	15.4	14.4	96	46	70	69	1.7	10.4	—	—	—	—	—	—	—	—	—	—	—	2.6	00
28	19.6	29.0	21.0	22.6	29.4	18.6	18.0	14.4	16.1	17.5	16.0	90	23	94	79	6.3	5.6	—	—	—	—	—	—	—	—	—	—	—	1.2	00
29	19.0	26.8	20.9	21.9	28.2	18.1	17.4	15.9	16.0	15.8	15.9	96	61	86	81	6.3	3.1	5.0	0.2	—	—	—	—	—	—	—	—	—	0.8	00
30	19.0	27.0	19.6	21.3	28.6	17.4	16.4	15.7	13.4	16.3	15.1	95	50	95	80	5.7	4.9	0.3	—	—	—	—	—	—	—	—	—	—	1.8	00
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Med.	18.2	26.6	20.4	21.4	28.3	17.3	16.6	14.6	13.5	15.9	14.7	93	53	89	78	6.5	4.1	8.1	0.4	4.6	14.5	1.7	—	—	—	—	—	—	—	—

Precipitación total r 435.6 m.m.

DATOS DIARIOS

Estación Paraguayo, Gto

Mes

MAYO

Año 1969

$\phi = 45^{\circ} 23' N$

$\lambda = 75^{\circ} 42' W.G.R$

Altura 1.250 M

Días	TEMPERATURAS					TENSION DEL VAPOR					Humedad Relativa			Brillo Solar Horas	PRECIPITACION			EVAPORACION			VIENTOS									
	7	14	20	Med.	Max.	7	14	20	Med.	Min.	7	14	20		Med.	7	14	20	Total	7	14	20	7	14	20					
	°C					mm					%				mm			mm			Km./Hora									
1	17.4	24.8	20.2	20.6	26.2	16.8	16.0	14.2	13.0	16.4	14.5	96	55	93	81	7.0	2.9	43.4	—	—	—	4.9	1.8	00	0	14	1	12	2	
2	18.0	25.0	19.8	20.6	26.0	17.5	16.6	14.9	15.4	16.7	15.7	96	65	96	86	7.7	3.6	4.9	2.6	8.6	23.3	1.2	00	0	14	1	12	2		
3	17.0	27.8	21.5	22.0	28.4	16.3	15.4	13.8	15.0	15.3	14.7	95	53	80	76	8.0	6.6	12.1	—	—	—	—	—	—	—	—	—	—	—	
4	18.8	24.6	20.6	21.2	28.0	18.2	17.6	15.5	16.5	16.7	16.2	95	71	93	86	8.0	2.0	—	—	—	—	—	—	—	—	—	—	—	—	
5	18.6	27.9	19.9	21.6	28.8	17.4	16.8	15.3	12.5	16.0	14.6	95	45	93	78	4.7	6.4	—	—	—	—	—	—	—	—	—	—	—	—	
6	18.0	30.0	23.8	23.4	31.0	16.0	15.4	14.7	14.2	17.6	15.5	95	44	85	75	2.0	10.3	—	—	—	—	—	—	—	—	—	—	—	—	
7	19.0	17.6	21.0	19.6	29.3	17.7	17.0	15.7	13.9	15.9	15.2	95	50	86	77	6.7	5.1	—	—	—	—	—	—	—	—	—	—	—	—	
8	16.3	27.0	20.6	21.2	28.6	16.0	15.0	13.1	13.4	17.2	14.6	95	50	95	80	5.7	2.5	—	—	—	—	—	—	—	—	—	—	—	—	
9	18.6	20.0	18.6	19.0	25.0	17.8	17.0	15.5	15.3	15.5	15.4	96	88	96	93	7.7	0.7	14.1	0.8	0.3	11.9	0.6	00	0	0	10	1	14	1	
10	18.0	21.9	17.4	19.2	25.0	17.3	16.4	15.6	12.4	14.6	14.2	100	56	96	85	7.7	4.3	10.8	1.1	8.8	9.9	0.6	00	0	0	10	1	14	1	
11	17.0	28.2	22.4	22.5	30.6	16.0	15.4	14.0	13.3	17.3	14.9	96	46	86	76	7.3	4.7	—	—	—	—	—	—	—	—	—	—	—	—	
12	19.6	29.9	22.4	23.6	30.4	17.6	17.0	15.5	15.2	16.0	15.6	96	48	90	78	6.0	7.3	—	—	—	—	—	—	—	—	—	—	—	—	
13	18.6	27.4	19.6	21.3	28.2	17.6	17.0	15.5	16.7	16.5	16.2	96	61	96	84	8.0	2.4	—	—	—	—	—	—	—	—	—	—	—	—	
14	18.0	24.0	17.6	19.3	24.6	17.8	17.0	15.6	15.7	15.2	15.5	100	70	100	90	10.0	—	17.5	7.3	32.8	45.2	0.3	16	1	10	1	14	1	14	1
15	17.0	25.0	20.4	20.7	25.6	16.8	16.0	14.0	15.0	15.3	15.3	96	63	95	85	8.0	2.0	5.1	—	—	—	—	—	—	—	—	—	—	—	—
16	18.0	26.3	20.0	21.1	28.4	17.4	17.0	15.6	13.1	16.9	15.2	100	51	96	82	5.3	2.8	—	—	—	—	—	—	—	—	—	—	—	—	—
17	18.0	26.0	20.4	21.2	28.3	17.3	16.6	15.6	14.9	18.0	16.2	100	60	100	87	7.3	4.9	—	—	—	—	—	—	—	—	—	—	—	—	—
18	18.0	26.0	20.4	21.2	28.0	17.6	17.0	15.5	15.6	14.9	16.2	100	61	100	87	6.7	7.2	5.2	—	—	—	—	—	—	—	—	—	—	—	—
19	19.0	24.9	18.4	20.2	27.4	18.0	17.4	16.5	17.7	16.9	17.0	100	75	100	92	6.3	5.9	—	—	—	—	—	—	—	—	—	—	—	—	—
20	17.0	27.9	20.2	21.3	29.0	15.0	14.4	14.6	15.3	14.9	14.9	100	55	90	82	4.0	7.6	—	—	—	—	—	—	—	—	—	—	—	—	—
21	18.0	26.2	19.3	20.7	26.8	17.7	17.0	15.6	15.5	16.7	15.9	100	60	100	87	7.7	2.9	2.3	—	—	—	—	—	—	—	—	—	—	—	—
22	16.8	27.4	21.9	22.0	28.8	15.6	15.0	14.4	13.5	17.5	15.1	100	50	90	80	6.3	5.0	—	—	—	—	—	—	—	—	—	—	—	—	—
23	18.6	26.6	18.4	20.0	29.0	19.0	18.0	17.1	17.3	16.0	16.8	100	65	100	88	8.0	4.7	—	—	—	—	—	—	—	—	—	—	—	—	—
24	18.1	29.6	21.8	22.8	30.2	17.4	16.3	16.5	15.6	18.5	16.6	100	90	96	82	4.0	9.5	—	—	—	—	—	—	—	—	—	—	—	—	—
25	19.0	28.8	22.6	23.2	31.0	17.4	16.3	16.5	14.9	18.5	16.6	100	50	90	80	3.0	10.1	—	—	—	—	—	—	—	—	—	—	—	—	—
26	19.6	25.6	20.6	21.6	27.5	18.8	18.0	16.5	16.1	17.4	16.7	96	66	96	86	8.3	0.8	—	—	—	—	—	—	—	—	—	—	—	—	—
27	19.7	27.0	21.0	22.2	29.0	17.4	17.0	16.4	14.7	14.7	16.3	95	55	95	82	7.3	3.7	—	—	—	—	—	—	—	—	—	—	—	—	—
28	18.6	29.0	20.3	22.0	29.0	17.6	17.0	16.1	15.1	17.1	16.1	100	50	95	81	7.0	4.0	0.7	—	—	—	—	—	—	—	—	—	—	—	—
29	21.0	29.0	21.8	23.4	29.2	19.4	18.3	17.7	15.8	18.4	17.3	95	52	95	83	7.0	4.0	—	—	—	—	—	—	—	—	—	—	—	—	—
30	19.8	27.0	22.6	23.0	28.6	18.7	18.0	17.3	13.6	17.2	16.0	100	51	84	78	8.7	3.2	—	—	—	—	—	—	—	—	—	—	—	—	—
31	20.0	28.0	22.8	23.4	29.3	19.0	18.4	16.9	13.8	16.7	15.8	96	48	80	75	8.3	2.1	—	—	—	—	—	—	—	—	—	—	—	—	—
Med.	18.4	26.4	20.6	21.5	28.2	17.4	16.7	15.5	14.8	16.8	15.7	98	57	93	83	6.7	4.5	3.7	0.4	2.8	5.6	—	—	—	—	—	—	—	—	—

Precipitación total = 173.4 mm.

DATOS DIARIOS

Estación PAREAGUAYITO Mes JULIO Año 1969 $\phi = 4^{\circ} 23' N$ $\lambda = 75^{\circ} 42' W$ GR Altura 1.250 M.

Días	TEMPERATURAS						TENSIÓN DEL VAPOR			Humedad Relativa %			NUBOSIDAD DECIMOS	Brillo Solar Horas	PRECIPITACION mm			EVAPORACION mm	VIENTOS					
	7	14	20	Med.	Máx.	Mín.	Mínima Suale	7	14	20	Med.	7			14	20	Total		7	14	20	7	14	20
1	18.3	25.5	20.6	21.2	28.0	16.7	16.0	15.4	14.7	16.5	15.5	98	61	91	83	8.3	3.3	0.4	14	1	00	0	12	1
2	18.0	25.6	20.2	21.0	27.0	16.4	15.3	14.9	15.5	16.4	15.6	96	63	93	84	1.7	2.9	0.4	00	0	10	1	00	0
3	17.6	28.9	21.6	22.4	30.0	16.4	16.0	15.2	13.5	17.3	15.3	100	45	90	78	1.7	6.8	1.6	00	0	10	1	00	0
4	17.2	29.6	21.0	22.2	30.2	15.0	14.1	14.1	13.4	16.7	14.7	96	43	90	76	6.3	9.6	1.8	00	0	12	1	00	0
5	17.4	26.4	20.2	21.0	28.0	15.8	15.0	14.8	13.7	16.1	14.7	96	53	91	80	6.1	5.4	0.6	00	0	12	1	00	0
6	17.1	29.2	20.2	21.9	31.0	17.6	17.0	14.9	13.3	16.0	14.7	96	43	90	76	7.0	8.7	1.0	00	0	12	1	00	0
7	17.6	27.9	22.0	22.4	29.9	16.4	15.3	14.5	13.0	16.7	14.7	96	46	84	75	8.0	6.7	0.6	00	0	12	1	12	1
8	18.5	27.0	19.7	21.2	29.9	18.0	17.1	15.4	12.5	15.7	14.5	96	46	91	78	6.7	5.5	1.2	10	1	12	1	12	1
9	16.8	28.6	22.8	22.8	30.0	14.9	14.0	13.8	12.3	14.7	13.6	96	41	70	69	5.3	9.7	1.6	10	1	12	1	12	1
10	18.2	28.8	21.8	22.5	30.5	16.9	16.0	15.1	13.2	15.2	14.6	96	44	80	73	5.3	6.5	1.0	10	1	12	1	10	1
11	19.2	26.4	19.2	21.0	26.8	18.0	17.6	16.1	14.5	15.6	15.4	98	56	94	83	7.3	1.2	0.4	12	1	12	1	00	0
12	16.8	28.7	21.0	21.9	30.5	14.3	13.5	14.4	13.5	14.9	14.3	100	45	80	75	3.0	10.1	1.4	00	0	10	1	00	0
13	15.9	32.0	24.6	24.3	32.8	13.9	13.0	12.7	10.9	7.6	10.4	94	30	33	52	3.0	9.9	3.6	10	1	10	1	08	1
14	16.0	32.1	21.4	22.7	32.0	14.7	13.6	12.8	10.1	9.9	10.9	94	28	53	58	4.3	9.3	3.2	10	1	12	1	14	1
15	17.9	27.1	20.0	21.2	28.5	15.6	15.0	14.5	13.4	14.4	14.1	95	90	83	76	6.0	6.2	0.8	12	1	10	1	12	1
16	17.2	28.8	21.2	22.1	31.5	15.9	15.0	14.0	12.1	13.2	13.1	95	40	70	68	6.7	9.0	1.0	00	0	12	1	00	0
17	18.0	30.9	22.0	23.2	31.6	16.8	16.0	14.9	12.0	13.8	13.6	96	36	70	67	6.3	8.1	2.2	00	0	14	1	00	0
18	17.4	30.9	25.0	24.6	32.2	16.0	15.4	13.9	13.1	9.6	12.2	93	40	40	56	5.0	10.6	1.6	00	0	10	1	00	0
19	17.6	29.6	22.3	23.0	31.6	16.4	15.3	14.4	14.1	14.3	14.3	93	45	70	50	8.7	8.7	1.6	00	0	12	1	00	0
20	17.0	29.6	22.3	24.4	32.0	14.9	14.0	14.0	11.1	9.2	11.4	96	35	38	56	2.7	10.7	4.4	12	1	16	1	12	1
21	17.8	31.9	26.2	25.5	32.8	16.8	15.8	14.7	10.7	6.5	11.3	96	30	33	53	5.3	7.2	1.8	12	1	14	1	00	0
22	18.6	28.9	23.6	23.7	32.3	17.3	15.9	15.3	9.0	8.7	11.0	95	30	40	55	7.3	7.1	3.6	00	0	10	1	10	1
23	16.0	32.8	25.8	23.7	33.0	15.3	14.2	13.7	9.8	10.0	11.2	100	26	40	55	1.7	10.2	4.4	00	0	12	1	08	2
24	16.6	30.8	23.6	23.6	32.8	14.6	13.0	12.3	11.6	16.4	13.4	87	35	75	66	5.0	10.1	4.0	00	0	12	1	00	0
25	19.9	29.9	25.0	25.0	30.6	17.9	17.0	15.0	12.5	14.2	13.9	87	40	60	62	6.7	7.6	2.6	10	1	10	1	12	1
26	17.0	27.9	20.9	21.7	28.3	16.8	15.7	14.6	12.5	13.8	13.6	100	45	75	73	5.7	4.9	1.0	00	0	12	1	12	1
27	17.8	32.6	23.0	24.1	33.9	16.8	16.0	14.6	11.2	14.8	13.5	95	30	70	65	4.7	8.2	1.4	00	0	12	1	12	1
28	17.7	31.3	25.8	26.2	33.3	16.7	15.5	13.8	12.5	7.5	11.1	91	38	50	54	5.0	9.6	4.2	00	0	16	1	08	1
29	17.6	28.4	21.3	22.2	31.3	15.9	15.0	14.8	13.2	15.4	14.5	98	45	88	75	6.8	6.9	1.4	00	0	10	1	10	1
30	18.6	25.7	17.8	20.0	27.4	17.7	17.0	15.0	14.9	14.5	14.8	93	60	98	84	9.7	0.4	1.0	12	1	10	1	00	0
31	18.0	25.0	20.0	20.8	26.0	17.3	16.6	15.2	13.4	14.9	14.5	98	56	05	80	9.3	1.0	1.0	00	0	12	1	00	0
Med	17.6	29.0	22.1	22.7	30.5	16.2	15.4	14.4	12.6	13.6	13.6	96	43	71	70	5.7	7.2	1.9	00	0	12	1	00	0

Precipitación total = 64.3 mm.

DATOS DIARIOS

Estación PARAGUAYCITO Mes AGOSTO Año 19 69 φ = 23° N λ = 75° 42' WGR Altura 1.250 M.

Días	TEMPERATURAS						TENSIÓN DEL VAPOR						Humedad Relativa %			PRECIPITACION mm			EVAPORACION mm			VIENTOS								
	Máx.		Mín.		Mínima Señal		7		14		20		7		14		20		7		14		20		7		14		20	
	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	
1	18.1	25.4	21.0	21.4	27.7	17.4	16.3	15.6	13.5	15.4	14.8	100	55	83	79	7.3	3.1	—	—	—	—	—	—	—	—	—	—	—	—	
2	18.0	29.0	22.2	22.8	30.6	16.8	15.4	14.9	12.1	15.9	14.3	96	40	80	72	7.3	7.4	—	—	—	—	—	—	—	—	—	—	—	—	
3	18.1	29.3	21.2	22.4	30.3	16.8	16.0	15.1	12.2	16.1	14.5	96	30	86	71	6.0	5.7	—	—	—	—	—	—	—	—	—	—	—	—	
4	17.0	29.2	22.0	22.6	31.5	16.3	15.4	14.0	10.5	14.9	13.1	96	34	75	68	5.3	8.4	—	—	—	—	—	—	—	—	—	—	—	—	
5	18.6	29.5	22.0	23.0	31.0	17.0	17.5	15.5	14.1	15.8	15.1	96	45	80	74	5.0	8.5	—	—	—	—	—	—	—	—	—	—	—	—	
6	18.0	28.8	21.2	22.3	31.0	17.0	16.4	15.3	13.5	14.2	14.3	99	45	75	73	5.3	7.1	—	—	—	—	—	—	—	—	—	—	—	—	
7	18.8	26.0	21.4	21.9	28.0	17.0	16.4	15.7	12.7	17.1	15.2	96	50	90	79	7.7	2.8	—	—	—	—	—	—	—	—	—	—	—	—	
8	19.1	27.2	21.0	22.1	28.0	18.0	18.0	15.5	12.5	13.1	13.7	94	46	71	70	5.3	5.6	—	—	—	—	—	—	—	—	—	—	—	—	
9	18.4	27.0	20.0	21.4	28.0	16.8	16.0	14.6	12.2	14.1	13.6	93	45	80	73	4.3	5.1	—	—	—	—	—	—	—	—	—	—	—	—	
10	18.2	26.7	22.0	22.2	30.0	17.5	17.0	11.8	13.2	14.9	13.3	100	48	75	74	5.1	7.8	—	—	—	—	—	—	—	—	—	—	—	—	
11	17.0	29.0	20.6	20.8	27.2	16.5	16.0	14.6	13.8	15.3	14.6	100	58	85	81	7.3	4.8	—	—	—	—	—	—	—	—	—	—	—	—	
12	16.6	27.2	20.0	21.0	29.4	15.0	14.3	13.6	11.0	16.2	13.6	96	40	93	76	5.3	5.9	—	—	—	—	—	—	—	—	—	—	—	—	
13	17.0	24.8	20.4	20.6	27.5	15.3	14.4	14.0	13.2	15.1	14.3	96	56	88	80	7.3	3.4	—	—	—	—	—	—	—	—	—	—	—	—	
14	19.0	26.6	20.2	21.5	27.7	17.0	16.5	15.5	13.0	14.3	14.3	94	50	80	75	6.3	4.5	—	—	—	—	—	—	—	—	—	—	—	—	
15	10.0	25.6	17.6	19.7	28.0	16.8	16.0	15.6	13.1	17.0	15.2	100	53	88	80	5.7	3.8	—	—	—	—	—	—	—	—	—	—	—	—	
16	18.8	25.8	22.0	22.2	29.9	18.0	17.1	16.3	13.0	15.8	15.0	100	52	80	77	6.0	7.6	—	—	—	—	—	—	—	—	—	—	—	—	
17	18.8	26.6	20.2	21.4	28.5	18.0	17.0	15.7	14.7	15.5	15.3	96	56	98	80	6.7	3.4	—	—	—	—	—	—	—	—	—	—	—	—	
18	17.8	28.0	18.8	20.8	30.5	16.8	16.0	15.4	12.8	15.5	14.6	100	45	95	80	5.7	7.8	—	—	—	—	—	—	—	—	—	—	—	—	
19	17.8	25.2	19.4	20.4	27.8	17.0	16.4	14.6	14.4	16.1	15.0	95	60	95	83	8.0	6.5	—	—	—	—	—	—	—	—	—	—	—	—	
20	17.0	24.6	21.0	20.9	28.0	16.4	16.0	14.6	13.6	16.7	15.0	90	58	83	8.7	4.4	—	—	—	—	—	—	—	—	—	—	—	—	—	
21	19.0	25.0	20.2	21.1	27.3	17.0	16.0	15.9	16.7	17.1	16.6	96	70	96	87	7.7	4.7	—	—	—	—	—	—	—	—	—	—	—	—	
22	18.0	26.4	19.4	20.8	27.4	16.0	15.4	14.6	13.0	15.2	14.3	94	50	80	78	6.0	6.9	—	—	—	—	—	—	—	—	—	—	—	—	
23	18.3	25.0	20.3	21.0	27.0	17.3	16.4	15.8	12.6	16.4	14.9	100	53	93	82	7.0	3.9	—	—	—	—	—	—	—	—	—	—	—	—	
24	18.6	24.7	20.2	21.0	28.3	17.7	17.0	16.3	13.2	16.6	15.4	100	56	95	84	6.7	4.1	—	—	—	—	—	—	—	—	—	—	—	—	
25	18.6	26.0	18.8	21.0	30.0	17.1	16.3	16.1	12.7	15.6	14.8	100	50	80	77	4.7	3.3	—	—	—	—	—	—	—	—	—	—	—	—	
26	18.0	28.2	20.0	21.6	29.0	16.8	16.0	15.6	13.0	15.8	14.8	100	49	90	78	7.3	6.8	—	—	—	—	—	—	—	—	—	—	—	—	
27	18.1	27.0	20.0	21.3	27.9	16.8	16.0	15.6	13.0	14.9	14.5	100	48	85	78	7.3	4.5	—	—	—	—	—	—	—	—	—	—	—	—	
28	18.2	27.2	20.8	21.8	28.8	16.9	16.0	15.1	12.3	16.4	14.6	96	45	90	77	6.7	5.2	—	—	—	—	—	—	—	—	—	—	—	—	
29	18.0	27.0	21.8	22.6	29.0	17.3	16.4	15.6	13.5	15.6	14.9	100	45	80	75	7.0	4.8	—	—	—	—	—	—	—	—	—	—	—	—	
30	19.0	27.0	21.0	22.1	22.6	29.3	17.3	16.5	15.5	13.4	14.4	14.4	94	90	81	75	6.3	6.7	—	—	—	—	—	—	—	—	—	—	—	
31	19.0	26.8	20.7	21.8	27.5	18.3	17.6	16.5	14.0	16.8	15.8	100	53	91	81	8.0	1.9	—	—	—	—	—	—	—	—	—	—	—	—	
Med.	18.2	26.8	20.6	21.5	28.8	17.0	16.2	15.2	13.1	15.6	14.6	98	49	86	78	6.6	5.3	—	—	—	—	—	—	—	—	—	—	—	—	

Precipitación total = 48.8 m.m.

DATOS DIARIOS

Estación PARAGUAYITO Mes SEPTIEMBRE Año 1969 $\phi = 4^{\circ} 23' N$ $\lambda = 75^{\circ} 42' W$ Altura 1.250 M.

Días	TEMPERATURAS $^{\circ}C$					TENSIÓN DEL VAPOR mm					Humedad Relativa %			NUBESIDAD DECIMOS	Brillo Solar Horas	PRECIPITACION mm			VIENTOS									
	7	14	20	Med.	Mín.	Máx.	Mín.	Med.	Máx.	Mín.	Med.	7	14			20	Med.	7	14	20	Total	DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora	
																												7
1	18.6	27.8	20.8	22.0	29.4	18.1	17.3	15.8	14.1	14.7	14.9	98	90	80	16	1.1	3.0	2.2	---	---	1.8	12	1	14	1	00	0	
2	18.0	28.5	20.5	21.9	29.5	16.6	16.0	14.2	13.0	16.1	14.4	94	44	90	16	5.7	6.1	---	---	---	0.8	00	0	12	1	00	0	
3	16.8	27.8	21.6	22.0	31.0	15.0	14.3	13.8	11.1	15.4	13.4	96	40	80	72	2.7	10.1	---	---	---	1.8	00	0	12	1	00	0	
4	19.0	31.0	21.6	23.3	32.5	15.6	14.8	16.5	13.6	14.5	14.9	100	40	75	72	4.7	9.6	---	---	---	2.2	00	0	14	1	00	0	
5	17.2	31.2	22.8	23.5	32.4	15.7	15.0	14.1	12.4	15.7	13.0	96	40	60	65	3.0	10.0	---	---	---	2.0	00	0	10	1	00	0	
6	18.0	27.6	20.6	21.7	28.3	16.5	15.5	14.9	13.5	16.1	14.8	96	48	89	78	7.3	0.2	---	---	---	0.8	00	0	14	1	00	0	
7	18.0	29.2	22.0	22.8	30.5	16.8	15.4	14.9	14.2	13.8	14.1	96	45	65	69	6.0	5.6	---	---	---	1.6	00	0	14	1	00	0	
8	16.8	30.6	22.0	22.6	32.6	15.2	14.3	13.4	12.9	14.9	13.7	93	40	75	69	2.0	10.5	---	---	---	2.4	00	0	14	1	00	0	
9	18.2	32.0	23.0	24.0	33.9	17.3	16.4	15.1	11.8	14.8	13.9	96	33	70	66	4.7	9.1	0.1	---	---	2.4	00	0	12	1	00	0	
10	17.6	30.4	22.2	23.1	31.8	16.2	15.3	14.9	13.0	15.1	14.5	99	40	78	72	6.3	3.7	---	---	---	1.6	00	0	12	1	00	0	
11	18.4	30.8	25.0	24.8	32.0	17.2	16.4	15.6	12.0	7.9	11.8	98	36	34	56	6.3	8.0	---	---	---	2.6	00	0	10	1	00	1	
12	16.2	28.2	22.0	22.1	32.0	15.3	14.1	13.3	13.3	11.9	12.8	96	46	60	67	5.7	8.3	---	---	---	5.2	00	0	14	2	00	0	
13	18.0	33.4	22.8	24.2	34.5	14.9	14.0	14.7	8.5	7.2	10.1	95	62	35	61	1.7	10.6	---	---	---	3.6	00	0	16	2	00	0	
14	16.0	32.0	23.4	23.7	34.2	15.0	14.2	13.7	10.1	14.3	12.7	100	28	66	65	5.3	9.4	---	---	---	1.4	---	---	---	---	---	---	
15	20.0	29.6	20.8	22.8	31.3	18.3	17.3	14.1	16.1	16.8	15.0	80	45	91	72	5.7	4.5	---	---	---	---	---	---	---	---	---	---	
16	19.0	28.6	20.0	21.9	29.4	17.2	16.3	15.6	13.5	16.6	15.2	96	45	95	79	7.7	2.8	---	---	---	---	---	---	---	---	---	---	
17	17.0	27.2	18.7	20.4	28.0	15.9	15.0	14.2	12.3	15.8	14.1	98	45	97	80	8.3	3.1	---	---	---	---	---	---	---	---	---	---	
18	18.2	26.0	19.3	20.7	26.3	17.4	16.6	15.4	13.6	15.6	14.9	98	54	94	82	8.7	1.9	33.6	0.2	6.4	---	---	---	---	---	---	---	
19	17.8	22.0	18.0	19.0	22.4	17.3	16.5	15.0	14.4	14.9	14.8	98	72	96	89	9.0	0.3	9.8	6.7	---	---	---	---	---	---	---	---	
20	17.0	25.3	20.0	20.6	27.2	16.8	16.0	14.6	12.8	15.8	14.4	100	53	90	81	7.7	3.2	---	---	---	---	---	---	---	---	---	---	
21	18.4	27.1	19.0	20.9	28.3	17.5	16.4	15.7	13.6	15.9	15.1	99	51	96	82	7.1	3.8	---	---	---	---	---	---	---	---	---	---	
22	18.8	26.8	18.8	20.8	27.2	17.2	16.2	16.3	13.2	15.0	14.8	100	48	93	80	8.0	2.7	1.4	---	---	---	---	---	---	---	---	---	
23	16.8	28.8	17.8	20.3	29.4	15.0	14.6	14.4	12.7	14.4	13.8	100	42	94	79	6.7	5.4	---	---	---	---	---	---	---	---	---	---	
24	16.8	23.3	17.0	18.5	28.0	14.9	14.0	14.4	15.6	14.6	14.9	100	73	100	91	8.0	3.1	---	---	---	---	---	---	---	---	---	---	
25	16.0	25.6	21.0	20.9	28.0	13.6	13.0	11.8	15.8	13.8	13.8	100	48	85	78	8.3	5.0	---	---	---	---	---	---	---	---	---	---	
26	16.0	26.0	21.0	21.5	26.6	17.4	16.5	15.2	12.7	16.3	14.7	98	50	88	79	7.3	3.2	12.8	0.9	---	---	---	---	---	---	---	---	
27	18.4	21.4	19.8	19.8	25.5	18.1	17.3	16.0	17.6	17.3	17.0	100	92	100	97	8.3	11.6	3.4	1.1	16.4	0.4	00	0	08	1	14	1	
28	18.2	28.8	19.2	21.4	29.9	17.1	16.3	15.1	13.2	15.0	14.4	96	44	90	77	7.3	7.7	11.9	---	---	---	---	---	---	---	---	---	
29	17.4	24.2	16.4	19.6	24.5	17.2	16.3	14.2	15.9	14.4	14.8	96	70	91	86	9.0	0.1	16.2	0.1	0.6	0.5	00	0	12	1	10	1	
30	16.0	29.2	28.2	25.4	29.8	15.6	15.0	15.5	12.2	17.8	15.2	100	40	69	76	5.3	7.7	---	---	---	---	---	---	---	---	---	---	
31																												
Med.	17.7	28.0	20.9	21.9	29.5	16.4	15.5	14.8	13.1	14.7	14.2	97	47	82	75	6.6	5.6	2.6	0.4	1.5	5.5	1.6	---	---	---	---	---	

Precipitación total: 165.2 mm.

DATOS DIARIOS

Estación Paraguaroyito Mes octubre Año 1969 9 23 N 2 75 42 W GR. Altura. 1.250 M.

Table with columns: Días, TEMPERATURAS (7, 14, 20, Med., Max., Min., Mínima Sombra), TENSION DEL VAPOR (7, 14, 20, Med.), Humedad Relativa (7, 14, 20, Med.), NUBES EN DECIMOS, Brillo Solar Horas, PRECIPITACION (7, 14, 20, Total) in mm, EVAPORACION (7, 14, 20, Total) in mm, VIENTOS (7, 14, 20) with sub-columns for DIRECCION, FUERZA, and Km./Hora.

DATOS DIARIOS

Estación Paraguarí, Més Noviembre, Año 1969, φ -4° 23' N λ -75° 42' WGR, Altura 1.650 M.

Table with columns: Días, TEMPERATURAS (7, 14, 20 Med., Máx., Min., Mínima Sueta), TENSION DEL VAPOR (7, 14, 20 Med.), Humedad Relativa (7, 14, 20 Med.), BRILLO SOLAR, PRECIPITACION (7, 14, 20, Total), EVAPORACION (7, 14, 20), and VIENTOS (7, 14, 20 with DIRECTION, FUERZA, and FUERZA DIRECTION).

Precipitación total 1.633 c.m.

DATOS DIARIOS

Estación Paraguarioto Mes Diciembre Año 1969 $\phi = 4^{\circ} 23' N$ $\lambda = 75^{\circ} 48' WGR$ Altura 1.250 M

Días	TEMPERATURAS °C					TENSION DEL VAPOR mm					Humedad Relativa %			Brillo Horas		PRECIPITACION m m			EVAPORACION mm			VIENTOS							
	7	14	20	Méd.	Máx. Min.	Mínima Suale	7	14	20	Méd.	7	14	20	Méd.	7	14	20	Total	7	14	20	7	14	20	DIRECCION FUERZA Km./Hora	DIRECCION FUERZA Km./Hora	DIRECCION FUERZA Km./Hora	DIRECCION FUERZA Km./Hora	DIRECCION FUERZA Km./Hora
1	18.0	27.4	20.6	21.6	28.2	17.4	16.1	15.2	13.5	16.7	15.1	98	50	92	80	7.7	6.1	—	—	—	—	—	—	—	—	—	—	—	—
2	17.7	27.1	21.0	21.8	28.4	15.9	15.0	14.7	12.3	16.4	14.4	97	45	88	76	6.7	6.8	—	—	—	—	—	—	—	—	—	—	—	—
3	19.0	23.4	20.3	20.8	27.4	18.6	17.6	16.0	12.9	16.8	15.2	97	60	95	84	8.1	5.1	4.5	0.2	—	—	—	—	—	—	—	—	—	—
4	18.4	26.6	20.4	21.4	27.0	17.9	17.0	16.0	15.2	18.0	16.4	100	58	100	86	6.7	1.9	0.2	0.3	—	—	—	—	—	—	—	—	—	—
5	18.1	24.2	18.3	19.2	26.2	17.6	17.0	15.6	15.1	15.1	15.3	100	66	96	87	8.7	1.1	0.4	—	—	—	—	—	—	—	—	—	—	—
6	17.0	26.6	17.2	19.5	28.4	16.4	15.6	14.6	15.8	14.4	14.9	100	60	98	86	7.7	2.8	0.5	—	—	—	—	—	—	—	—	—	—	—
7	16.8	28.4	18.0	20.3	29.0	14.9	14.0	14.1	13.6	14.9	14.2	98	46	96	80	7.3	6.9	—	—	—	—	—	—	—	—	—	—	—	—
8	17.2	27.0	20.6	21.4	28.0	16.0	15.2	14.4	14.5	16.7	15.2	98	54	93	82	7.0	6.0	—	—	—	—	—	—	—	—	—	—	—	—
9	18.6	24.4	19.2	20.4	26.8	18.0	17.4	16.1	14.5	16.1	15.6	100	63	96	86	7.7	4.7	1.5	—	—	—	—	—	—	—	—	—	—	—
10	18.6	26.2	20.6	21.5	28.4	16.6	16.0	14.0	12.8	17.2	14.7	87	50	95	71	7.7	7.2	—	—	—	—	—	—	—	—	—	—	—	—
11	18.0	28.0	18.0	20.7	29.0	18.0	17.1	16.2	13.8	15.6	15.2	98	48	100	82	5.7	5.1	—	—	—	—	—	—	—	—	—	—	—	—
12	18.0	22.2	18.6	19.3	23.0	16.6	16.0	15.6	15.9	15.3	15.6	100	80	95	92	10.0	—	—	—	—	—	—	—	—	—	—	—	—	—
13	17.0	25.6	19.6	20.4	26.9	16.0	15.0	14.0	13.1	17.1	14.7	96	53	100	83	6.7	4.9	0.2	—	—	—	—	—	—	—	—	—	—	—
14	18.0	25.8	28.3	20.1	27.0	16.8	16.0	14.9	14.9	14.9	14.9	96	60	95	84	5.0	6.1	0.5	—	—	—	—	—	—	—	—	—	—	—
15	19.0	29.4	23.0	23.4	31.0	17.0	16.0	15.6	13.7	17.6	15.6	100	44	80	75	6.0	9.0	—	—	—	—	—	—	—	—	—	—	—	—
16	16.8	27.1	21.8	21.9	29.6	14.4	13.2	14.4	15.2	17.5	15.7	100	56	90	82	5.7	6.9	—	—	—	—	—	—	—	—	—	—	—	—
17	19.1	26.2	20.8	21.7	26.6	18.4	17.1	16.5	16.1	17.1	16.6	100	63	93	85	8.3	1.6	—	—	—	—	—	—	—	—	—	—	—	—
18	18.1	27.1	21.9	22.3	29.0	17.9	17.0	15.6	13.5	17.5	15.6	100	50	90	80	6.3	4.4	—	—	—	—	—	—	—	—	—	—	—	—
19	17.8	30.8	21.2	22.8	31.6	16.9	15.5	14.7	12.6	15.9	14.4	96	38	85	73	5.3	8.3	—	—	—	—	—	—	—	—	—	—	—	—
20	19.6	28.6	21.4	22.8	30.0	18.8	18.0	16.8	14.8	18.3	16.6	98	50	95	81	7.7	6.4	4.4	—	—	—	—	—	—	—	—	—	—	—
21	18.9	27.8	19.2	21.1	28.6	18.4	17.0	16.0	12.5	16.1	14.9	98	45	96	80	8.7	5.1	15.5	—	—	—	—	—	—	—	—	—	—	—
22	18.9	24.8	19.4	20.6	25.8	18.8	18.0	15.5	13.0	15.6	14.7	98	55	93	81	7.3	2.0	0.9	—	—	—	—	—	—	—	—	—	—	—
23	16.2	28.8	21.4	22.0	29.4	15.7	15.0	13.5	13.5	17.1	14.7	98	45	90	78	5.0	8.5	—	—	—	—	—	—	—	—	—	—	—	—
24	18.2	29.6	20.6	22.2	30.4	17.7	16.8	15.4	12.4	16.9	14.9	98	40	93	77	5.0	6.2	—	—	—	—	—	—	—	—	—	—	—	—
25	18.0	28.4	20.4	21.8	29.0	16.8	16.0	15.6	11.7	16.5	14.6	100	40	93	78	8.7	7.7	—	—	—	—	—	—	—	—	—	—	—	—
26	17.8	28.8	19.4	21.4	29.3	17.0	15.9	14.7	12.4	16.5	14.5	96	41	96	78	3.3	7.0	—	—	—	—	—	—	—	—	—	—	—	—
27	18.6	26.4	19.7	21.1	28.6	17.7	17.1	16.1	13.7	16.0	15.3	100	53	93	82	7.0	6.0	7.3	—	—	—	—	—	—	—	—	—	—	—
28	17.6	29.4	20.8	22.2	29.5	16.3	15.2	15.2	14.0	16.4	15.2	100	45	90	78	6.0	9.1	—	—	—	—	—	—	—	—	—	—	—	—
29	18.0	29.0	20.2	21.8	29.4	16.4	16.0	15.6	12.1	15.9	14.5	100	40	90	77	5.3	8.0	—	—	—	—	—	—	—	—	—	—	—	—
30	16.0	29.6	20.8	21.8	30.0	14.8	14.0	13.1	12.4	14.9	13.5	96	40	81	72	2.7	10.3	—	—	—	—	—	—	—	—	—	—	—	—
31	17.2	28.4	21.4	22.1	30.0	15.6	14.1	13.9	12.9	16.2	14.3	94	44	85	74	3.0	9.9	—	—	—	—	—	—	—	—	—	—	—	—
Méd.	17.9	27.2	20.1	21.3	28.4	16.9	16.0	15.1	13.7	16.4	15.1	98	51	93	81	6.6	5.8	1.1	—	—	—	—	—	—	—	—	—	—	—

Precipitación total = 78.7 mm

RESUMEN MENSUAL Y ANUAL

AÑO: 1969

ESTACION: Paramorito

M E N U	PRESION ATMOSFERICA SOBRE 600 MM HG.			TEMPERATURA OC			TEMPERATURAS EXTREMAS OC			HUMEDAD RELATIVA %			TENSION DEL VAPOR MM. HG.			PRECIPITACION											
	MAYIMA	MINIMA	DA	MAYIMA	MINIMA	DA	MAYIMA	MINIMA	DA	MAYIMA	MINIMA	MEDIA	MAYIMA	MINIMA	MEDIA	NUBOSIDAD MEDIA EN DECIMOS	RADIO SOLAR HORAS EVAPORACION KM	DIAS LLUVIOSOS									
																		7	14	20	SUMA	7	14	20			
ENERO				21.1	21.1	21.1	28.5	16.2	31.7	9	14.8	17	15.2	17.7	9.3	13.7	5.8	5.6	1.5	108.1	9.6	10.4	128.1	11	40.9	25	
FEBRERO				22.0	22.0	22.0	29.7	16.9	31.8	2	14.9	1	16.1	18.2	10.7	14.5	5.6	6.6	2.0	10.7	10.9	14.3	35.9	0	13.3	24	
MARZO				22.0	22.0	22.0	29.9	16.8	32.6	7	15.1	9	16.0	17.1	8.9	13.4	5.8	6.1	2.1	11.9	4.6	51.4	68.0	13	34.1	20	
ABRIL				21.4	21.4	21.4	28.3	17.3	31.6	27	15.6	12	16.6	17.5	7.2	14.7	6.5	4.1	1.7	242.4	12.5	131.4	435.6	20	67.8	35	
MAYO				21.5	21.5	21.5	28.2	17.4	31.0	7	15.0	20	16.7	18.8	12.4	15.7	6.7	4.5	1.1	116.1	12.7	87.1	173.4	20	45.2	14	
JUNIO				21.5	21.5	21.5	28.3	17.3	30.5	16	15.3	17	16.5	18.4	10.6	15.5	7.1	5.1	0.9	49.4	18.4	30.6	97.5	19	26.6	3	
JULIO				22.1	22.1	22.1	30.5	16.8	33.9	27	13.9	13	15.4	17.3	7.6	13.6	5.7	7.2	1.9	15.1	—	49.2	64.3	2	63.7	30	
AGOSTO				21.5	21.5	21.5	28.8	17.0	31.5	4	15.0	12	16.2	17.1	11.0	14.6	6.6	5.3	1.2	16.6	1.1	28.9	48.8	12	33.4	18	
SEPTIEMBRE				21.9	21.9	21.9	29.5	16.4	34.5	13	13.6	25	15.5	17.6	7.2	14.2	6.4	5.4	1.6	79.6	11.7	44.0	165.2	14	44.2	17	
OCTUBRE				20.3	20.3	20.3	27.2	16.3	30.0	7	13.8	25	15.3	17.3	10.4	14.7	7.0	4.8	1.2	231.7	46.9	63.7	327.4	24	62.8	15	
NOVIEMBRE				20.9	20.9	20.9	28.0	16.7	30.0	3	14.8	7	15.8	17.8	12.4	15.0	7.3	5.7	0.9	127.7	4.1	48.7	163.3	20	31.9	2	
NOVIEMBRE				21.1	21.1	21.1	28.4	16.9	31.6	19	14.8	30	16.0	18.3	11.7	15.1	6.6	5.8	1.2	36.5	1.0	41.2	78.7	16	15.5	20	
NOVIEMBRE				21.5	21.5	21.5	28.8	16.8	31.7	—	14.7	—	15.9	17.8	10.0	14.6	6.4	5.5	1.4	87.2	11.1	50.6	148.9	179	40.0	—	
MEDIA ANUAL																											

PRECIPITACION TOTAL: 1.786.2

PRECIPITACION MAXIMA: 67.8 - IV - 15

DIAS LLUVIOSOS: 179

FRECUENCIA DE PRECIPITACION Y TEMPERATURA

ESTACION: Paraguariito

AÑO: 1.969

MESES	PRECIPITACION														TOTAL				TEMPERATURA					
	7 HORAS				14 HORAS				20 HORAS				Mds de:				Mínimo		Máximo					
	Mds de:		Mds de:		Mds de:		Mds de:		Mds de:		Mds de:		Mds de:		Absoluto		Arriba de							
	01	10	200	500	01	10	100	200	500	01	10	100	200	500	16°C	18°C	27°C	31°C						
ENERO	9	5	4	2	4	2	-	-	-	4	1	-	-	-	11	9	7	4	2	13	-	8	5	
FEBRERO	5	4	-	-	3	1	1	-	-	6	4	-	-	-	8	7	3	2	2	7	5	-	6	6
MARZO	2	2	-	-	3	1	-	-	-	10	6	1	-	-	13	8	7	3	1	7	2	2	14	14
ABRIL	17	13	8	4	7	3	-	-	-	15	11	5	3	-	20	17	16	15	7	4	10	6	1	1
MAYO	20	9	5	1	6	3	-	-	-	15	8	3	1	-	20	13	11	8	6	5	7	7	2	2
JUNIO	12	8	1	-	8	4	-	-	-	9	4	1	-	-	19	12	10	6	4	5	10	6	-	-
JULIO	2	1	1	-	-	-	-	-	-	1	1	1	1	-	2	1	1	1	1	13	2	3	15	15
AGOSTO	9	5	-	-	3	-	-	-	-	6	1	1	1	-	12	6	2	2	1	3	5	1	3	3
SEPTBRE.	9	8	5	-	7	2	-	-	-	9	6	1	1	-	14	12	9	8	7	12	3	5	11	11
OCTUBRE	14	11	8	4	8	5	1	1	-	16	10	2	1	-	24	21	17	14	12	12	3	5	11	11
NOVIEMBRE	14	8	6	3	4	2	-	-	-	13	9	1	-	-	20	15	12	6	6	9	1	4	-	-
NOVIEMBRE	12	5	1	-	3	-	-	-	-	9	5	1	-	-	16	11	8	5	3	8	7	8	2	2
SUMA ANUAL	115	79	39	14	56	23	2	1	-	113	66	17	8	-	179	122	103	78	62	98	52	63	59	59

FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.

MESES	PRECIPITACION MAS DE 0.1 MM.																								TOTAL
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	
ENERO	3	3	3	1	2	4	4	1	2	1	1	1	1	1	1	1	2	2	2	1	5	3	2	2	10
FEBRERO	1	3	3	2	1	1	1	2	-	-	-	1	1	1	-	2	4	1	2	2	1	-	1	2	11
MARZO	-	1	1	1	1	1	1	1	2	2	1	1	1	1	-	1	2	4	7	7	2	1	-	1	14
ABRIL	8	6	9	10	10	9	6	2	2	1	2	2	3	2	3	2	7	9	9	9	5	5	9	7	22
MAYO	3	2	5	7	8	6	6	2	2	2	1	2	2	5	5	4	4	4	6	2	3	4	3	3	19
JUNIO	3	4	6	6	4	4	4	2	3	2	3	2	1	4	5	2	4	5	1	1	1	1	2	2	18
JULIO	1	2	1	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	3
AGOSTO	3	1	3	2	3	5	2	1	-	-	-	-	2	1	1	1	1	1	1	1	1	1	1	1	13
SEPTBRE.	3	5	5	6	3	5	6	4	2	-	1	-	-	2	3	3	4	3	2	3	3	4	4	4	15
OCTUBRE	10	10	9	9	8	7	7	5	5	3	2	1	2	1	4	8	12	11	7	4	1	3	5	7	25
NOVIEMBRE	3	5	6	5	7	5	4	2	-	-	1	1	1	2	2	6	6	3	2	3	2	3	3	6	25
NOVIEMBRE	2	2	2	4	4	1	2	2	1	-	-	-	-	-	3	4	1	3	1	3	2	3	-	1	16
SUMA ANUAL	39	43	53	54	51	46	41	26	16	11	7	9	13	18	29	41	46	51	43	30	27	37	29	37	191

FRECUENCIAS DE: NUBOSIDAD - BRILLO SOLAR - VIENTOS

AÑO: 1.969

ESTACION: Paraguayoito

MESES	NUBOSIDAD en DECIMOS		BRILLO SOLAR en HORAS		Número de días con: VIENTOS																										
	Meses de 30		Meses de 30		7 HORAS							14 HORAS							20 HORAS												
	N	E	S	W	N	E	S	W	N	E	S	W	N	E	S	W	N	E	S	W	N	E	S	W	N	W	C				
ENERO	3	5	-	-	-	-	-	-	13	-	18	-	-	-	-	2	22	2	5	-	-	-	-	-	-	1	25	-	5		
FEBRERO	2	-	-	-	-	-	-	-	-	-	28	-	-	-	-	1	17	2	7	2	-	-	-	-	-	-	6	-	12		
MARZO	3	2	-	-	-	-	-	2	-	29	3	-	-	-	3	8	10	3	4	-	-	-	-	-	-	-	2	-	29		
ABRIL	-	3	-	2	-	-	-	-	1	-	29	3	-	-	-	1	4	16	1	5	-	-	-	-	-	-	24	-	6		
MAYO	2	8	-	1	1	-	-	-	-	30	-	-	-	-	-	6	12	2	11	1	-	-	-	-	-	-	5	19	6		
JUNIO	2	12	-	2	-	-	-	1	-	28	-	-	-	-	2	7	13	3	5	-	-	-	-	-	-	1	2	-	9	20	
JULIO	6	4	-	2	-	-	-	5	6	1	19	2	-	-	-	10	16	2	1	-	-	-	-	-	-	3	4	7	1	16	
AGOSTO	-	3	-	-	-	-	-	-	1	9	1	20	1	-	-	1	6	17	3	3	-	-	-	-	-	-	1	2	9	1	18
SEPTIEMBRE	4	8	-	2	-	-	-	-	1	2	27	3	-	-	-	3	11	6	2	-	-	-	-	-	-	-	1	1	2	3	23
OCTUBRE	1	13	-	1	-	-	-	-	3	-	28	-	-	-	-	3	8	12	1	7	-	-	-	-	-	-	1	3	-	27	
NOVIEMBRE	2	6	-	1	4	-	-	-	2	1	1	26	-	-	-	1	5	15	2	7	-	-	-	-	-	1	1	2	-	26	
DICIEMBRE	-	6	-	1	4	-	-	-	-	-	-	31	-	-	-	-	3	13	2	9	-	-	-	-	-	-	-	3	-	28	
SUMA ANUAL	25	74	1	19	1	-	-	-	10	37	4	313	13	-	-	14	63	178	31	66	3	-	-	-	-	-	13	10	90	33	216

Frecuencia Horaria del Brillo Solar

MESES	Frecuencia a Pleno Sol														Frecuencia sin Sol													
	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18				
ENERO	2	8	10	13	13	14	13	16	11	9	-	-	24	14	10	5	8	4	6	5	9	8	10	15				
FEBRERO	1	3	12	13	14	12	15	14	8	6	-	-	17	6	7	3	-	1	-	-	1	3	5	15				
MARZO	4	5	15	14	12	11	12	13	13	9	-	-	29	13	5	5	4	4	2	3	3	7	10	19				
ABRIL	-	1	4	6	7	8	6	5	4	6	5	1	22	17	16	12	9	8	7	8	8	7	14	21				
MAYO	-	3	5	5	8	6	7	9	8	6	1	-	20	17	12	7	5	6	5	7	7	11	13	21				
JUNIO	-	7	9	9	5	7	13	7	4	4	-	-	26	13	10	4	4	3	2	4	4	5	13	16				
JULIO	-	7	13	15	16	17	14	12	9	12	1	-	14	7	4	5	3	2	2	2	2	2	6	6				
AGOSTO	-	1	4	4	4	5	4	7	8	9	5	-	27	13	9	2	3	4	3	1	-	2	6	13				
SEPTIEMBRE	-	2	6	11	12	7	10	12	12	10	6	-	26	12	8	6	4	7	4	6	5	9	8	17				
OCTUBRE	-	1	11	10	11	12	8	11	11	5	5	-	27	14	15	11	8	7	9	10	9	11	16	22				
NOVIEMBRE	-	4	11	7	13	14	20	14	9	7	-	-	26	14	11	6	3	2	1	3	3	8	12	20				
DICIEMBRE	-	1	9	12	14	8	10	13	11	10	5	-	29	17	9	5	3	2	3	3	4	8	7	15				
SUMA ANUAL	23	79	120	127	119	120	144	130	100	64	2	287	157	116	71	54	50	44	52	55	81	116	200					

RESUMEN DE ALGUNAS CARACTERISTICAS DE LA PRECIPITACION

Estación: Paraguayo

Año 1.969

MESES	TOTAL		No. PRECIPITACIONES		CANTIDAD		DURACION			PRECIPITACION MAXIMA					DURACION MAXIMA					
	m. m.	Días	Día	Noche	Total	Noche	Día	Noche	Total	m. m.	Durac.	Int. Med.	Int. Max. 5/m.	Int. Max. 1/m.	h. mín.	m. m.	Int. Med.	Int. Max. 5 mín.	Int. Max. 1 mín. (gota)	
Enero	128.1	11	11	15	26	20.4	107.7	7:50'	20:30'	28:20'	38.6	4:15'	0.15	6.0	1.2	5:25'	18.3	0.06	2.0	0.4
Febrero	35.9	8	11	8	19	25.2	10.7	6:30'	9:20'	15:50'	10.2	0:50'	0.20	4.9	1.0	2:20'	1.9	0.01	0.4	0.1
Marzo	68.0	13	21	5	26	55.6	12.4	17:55'	4:00'	21:55'	34.1	0:55'	0.62	10.2	2.0	4:05'	3.8	0.02	0.4	0.1
Abril	435.6	20	26	34	60	148.9	288.7	35:15'	75:18'	110:00'	66.0	10:10'	0.11	4.5	0.9	10:10'	66.0	0.11	4.5	0.9
Mayo	173.4	20	28	27	55	99.8	73.6	23:00'	29:35'	52:35'	33.9	4:35'	0.12	4.0	0.8	4:40'	20.0	0.07	1.5	0.3
Junio	97.5	19	20	19	39	49.0	48.5	19:35'	25:25'	45:00'	19.4	4:25'	0.07	3.5	0.7	5:10'	6.4	0.02	0.4	0.1
Julio	64.3	2	1	4	5	49.8	14.5	3:05'	3:40'	6:45'	49.8	3:05'	0.27	9.4	1.9	3:05'	49.8	0.27	9.4	1.9
Agosto	48.8	12	10	15	25	30.0	18.8	5:25'	14:25'	19:50'	27.1	1:05'	0.42	9.1	1.8	2:40'	3.5	0.02	0.7	0.1
Septem.	165.2	14	18	21	39	55.4	109.8	16:00'	41:20'	57:20'	39.2	4:20'	0.15	5.1	1.0	9:05'	14.5	0.03	1.5	0.3
Octubre	327.4	24	37	23	60	110.6	216.8	41:30'	59:00'	100:30'	66.0	9:00'	0.12	3.0	0.6	9:05'	40.4	0.07	4.0	0.8
Noviembre	163.3	20	21	26	47	52.8	110.5	16:30'	29:40'	46:10'	20.2	6:00'	0.06	0.5	0.1	6:00'	20.2	0.06	0.5	0.1
Diciembre	78.7	16	14	15	29	42.2	36.5	11:25'	13:50'	25:15'	15.5	1:45'	0.15	5.0	1.0	2:55'	7.3	0.04	1.1	0.2
TOTALES	1,786.2	179	218	212	430	137.7	1,048.5	204:00'	326:00'	530:00'	420.0	50:25'	0.15	5.0	1.0	64:40'	228.1	0.06	1.1	0.2

DATOS DIARIOS

Estación El Sena Mes Junio Año 19 69 9° 48' 32" N λ = 75° 36' WGR Altura 1.500 M.

Table with columns: Dias, TEMPERATURA (7, 14, 20 Med, Máx, Mín, Mínima Sueta), TENSION DEL VAPOR (7, 14, 20 Med), Humedad Relativa (7, 14, 20 Med), NEBULOSIDAD, BRILLO SOLAR, PRECIPITACION (7, 14, 20 Total), and VIENTOS (7, 14, 20 Direc, Fuerza, Km/Hora).

Precipitados total = 135.3 mm.

DATOS DIARIOS

Estación La Serna Mes Julio Año 1969 $\phi = 40^{\circ} 32' N$ $\lambda = 75^{\circ} 36' WGR$ Altura 3.500 M.

Días	TEMPERATURAS °C						TENSION DEL VAPOR mm						Humedad Relativa %			Nubosidad Horas	Brillo Solar Horas	PRECIPITACION mm			EVAPORACION mm	VIENTOS					
	7		14		20		7		14		20		7	14	20			7	14	20		7		14		20	
	Med.	Max.	Min.	Med.	Max.	Min.	Med.	Max.	Min.	Med.	Max.	Min.	Med.	Max.	Min.			DIREC.	FUERZA	DIREC.		FUERZA	DIREC.	FUERZA	DIREC.	FUERZA	
1	15.4	21.3	19.3	18.8	25.3	15.0	14.5	12.9	13.2	11.7	12.6	98	70	70	70	70	70	70	70	70	70	70	70	70			
2	17.1	23.1	21.0	20.6	24.5	14.0	13.5	12.7	8.9	6.9	10.2	84	42	48	50	7.0	3.1	5.0	7.0	3.1	5.0	7.0	3.1	5.0			
3	16.2	26.0	21.4	21.2	26.6	15.0	14.3	12.6	10.0	8.7	10.4	91	40	46	59	7.0	6.5	7.0	6.5	7.0	6.5	7.0	6.5	7.0			
4	14.3	26.4	18.0	19.2	27.2	12.9	12.0	9.3	11.7	12.7	11.2	77	44	82	66	4.0	9.2	4.0	9.2	4.0	9.2	4.0	9.2	4.0			
5	15.3	23.3	17.4	18.4	24.4	13.7	13.0	10.5	11.0	12.8	12.3	81	61	66	76	5.3	7.0	6.1	6.6	7.6	5.3	7.0	6.1	6.6			
6	17.0	21.1	17.2	18.1	24.4	14.4	13.6	11.6	12.1	12.1	12.1	80	65	85	77	6.7	8.0	6.5	7.7	8.0	6.5	7.7	8.0	6.5			
7	15.0	23.0	18.0	18.5	24.7	13.8	13.0	11.0	12.6	11.6	11.8	86	60	76	74	9.0	4.8	60	76	74	9.0	4.8	60	76			
8	16.0	23.4	17.5	18.6	25.5	15.6	15.0	10.6	13.1	10.5	11.5	78	62	70	71	7.1	5.1	70	71	7.1	5.1	70	71				
9	15.0	23.0	19.0	19.0	25.6	12.1	12.1	9.8	12.8	11.5	11.4	77	61	70	69	7.1	7.0	61	70	69	7.1	7.0	61	70			
10	16.0	22.4	19.4	19.3	24.0	13.5	12.1	10.8	12.1	12.1	11.7	80	66	72	71	5.7	3.5	70	66	72	71	5.7	3.5	70			
11	16.3	20.3	17.1	17.1	22.5	15.6	15.1	12.4	11.4	12.3	12.0	90	65	85	80	6.7	2.2	0.1	65	85	80	6.7	2.2	0.1			
12	14.0	25.4	18.6	19.2	27.0	13.5	12.5	9.0	12.9	10.5	10.8	75	53	65	64	3.0	10.3	75	53	65	64	3.0	10.3	75			
13	13.4	27.2	20.4	20.4	28.0	13.0	12.0	8.6	9.0	7.2	8.3	75	33	40	49	1.7	10.9	75	33	40	49	1.7	10.9	75			
14	17.2	25.9	21.4	21.5	26.7	17.0	15.5	8.2	10.0	8.1	8.8	56	40	42	46	5.3	6.1	42	46	5.3	6.1	42	46	5.3			
15	15.3	23.0	17.1	18.1	23.7	13.7	13.0	11.0	12.6	12.5	12.0	84	60	86	77	7.1	3.6	84	60	86	77	7.1	3.6	84			
16	16.2	24.4	21.0	20.6	27.4	14.0	13.5	12.4	9.2	8.9	10.2	90	40	48	59	7.3	6.8	90	40	48	59	7.3	6.8	90			
17	15.4	24.1	20.0	19.9	26.3	14.1	13.5	10.5	8.9	8.5	9.3	80	40	48	56	5.0	6.2	80	40	48	56	5.0	6.2	80			
18	17.0	21.0	22.4	22.2	28.5	15.5	14.0	11.1	10.7	8.1	10.4	77	40	40	52	2.0	10.1	77	40	40	52	2.0	10.1	77			
19	16.2	28.1	22.0	22.1	29.0	14.4	13.0	11.0	11.3	8.9	10.4	80	40	44	55	2.7	9.8	80	40	44	55	2.7	9.8	80			
20	19.0	26.2	23.0	22.8	28.0	15.0	14.0	9.9	9.6	9.5	9.7	60	38	45	48	3.0	10.3	60	38	45	48	3.0	10.3	60			
21	21.4	26.2	22.1	23.0	27.5	18.0	17.4	9.0	10.2	9.0	9.4	47	40	45	44	4.7	8.3	47	40	45	44	4.7	8.3	47			
22	21.2	24.3	21.1	21.9	27.5	19.0	18.5	9.0	9.2	8.6	8.9	48	40	45	44	8.0	7.9	48	40	45	44	8.0	7.9	48			
23	19.0	28.9	20.1	22.0	30.0	15.9	14.5	8.1	9.0	8.9	8.7	50	30	50	43	2.3	10.1	50	30	50	43	2.3	10.1	50			
24	15.3	28.1	21.4	21.6	30.3	14.0	13.1	10.5	11.5	11.4	11.1	81	40	50	57	6.7	9.5	81	40	50	57	6.7	9.5	81			
25	17.0	25.3	22.3	21.7	28.0	15.5	15.0	11.6	9.6	9.7	10.3	80	40	48	56	5.0	8.0	80	40	48	56	5.0	8.0	80			
26	18.0	23.1	22.3	21.4	24.1	15.1	14.1	12.2	11.8	8.9	11.0	78	56	44	58	7.0	5.0	78	56	44	58	7.0	5.0	78			
27	17.3	26.4	21.6	21.7	28.0	15.6	14.5	11.0	9.3	7.6	9.3	74	36	40	50	3.7	10.2	74	36	40	50	3.7	10.2	74			
28	16.4	28.1	22.4	22.3	29.0	15.0	14.0	12.6	10.0	8.1	10.2	90	35	40	55	4.3	10.1	90	35	40	55	4.3	10.1	90			
29	15.2	23.9	19.2	19.4	26.3	14.0	13.0	10.1	13.3	12.0	11.1	71	63	75	71	6.3	5.5	71	63	75	71	6.3	5.5	71			
30	17.2	22.2	16.4	18.0	23.1	16.0	15.4	13.2	12.0	13.1	12.8	90	66	93	81	10.0	6.7	90	66	93	81	10.0	6.7	90			
31	16.1	22.4	18.2	18.7	23.5	15.0	14.5	13.3	12.7	12.6	12.9	96	62	80	79	9.7	1.1	0.6	62	80	79	9.7	1.1	0.6			
Med	16.5	24.6	19.9	20.2	26.3	14.8	14.0	10.9	11.1	10.3	10.7	78	49	60	62	5.7	7.0	78	49	60	62	5.7	7.0	78			

Precipitación total : 23.1 mm.

DATOS DIARIOS

Estación El Sana Mes Agosto Año 1969 $\phi = 48.32' N$ $\lambda = 75^{\circ} 38' WGR$ Altura 1,500 M.

Días	TEMPERATURAS						TENSION DEL VAPOR						Humedad Relativa			NUBOSIDAD DECIMOS	Brillo Solar Horas	PRECIPITACION			VIENTOS						
	Med.		Máx.		Mín.		Med.		Máx.		Mín.		7	14	20			Med.	7	14	20	7	14	20	7	14	20
	7	14	20	Med.	7	14	20	Med.	7	14	20	Med.	7	14	20			Med.	7	14	20	DIREC. CION	FUERZA Km./hora	DIREC. CION	FUERZA Km./hora	DIREC. CION	FUERZA Km./hora
1	16.4	23.4	19.1	19.5	24.9	15.0	14.5	12.6	12.4	13.2	12.1	90	58	80	76	6.3	3.5										
2	15.4	26.0	20.0	20.4	27.0	14.5	14.0	10.5	12.7	12.2	11.8	80	50	70	67	4.7	6.1										
3	16.2	24.3	23.0	21.6	26.0	15.0	14.5	12.7	8.6	8.5	9.3	93	38	40	57	9.7	3.0										
4	14.6	25.0	19.6	19.7	27.0	13.0	12.0	9.4	11.9	11.1	10.8	76	50	65	64	6.3	8.2										
5	16.3	26.1	19.6	20.4	27.4	16.0	15.1	12.9	12.2	12.1	12.1	93	48	66	69	5.3	8.2										
6	16.0	28.2	20.1	21.1	29.4	15.3	14.2	12.3	10.3	13.1	11.9	90	36	75	67	4.3	7.2										
7	16.3	21.2	18.4	18.6	23.0	15.1	14.5	13.0	12.3	13.5	12.9	94	65	85	81	10.0	2.4										
8	16.3	23.9	17.0	18.6	26.0	15.5	14.6	12.4	12.4	11.1	12.0	90	56	76	74	4.3	5.3										
9	15.6	22.2	18.0	18.4	23.0	15.0	14.0	12.5	12.0	12.4	12.3	94	60	80	78	6.3	5.1										
10	18.1	23.4	18.3	19.5	25.5	16.4	15.0	12.4	11.1	10.2	11.2	80	51	65	65	7.7	7.4										
11	14.3	23.9	17.0	18.0	26.4	13.5	12.5	8.4	13.3	12.2	11.3	70	60	84	71	6.7	2.9										
12	13.6	23.9	18.0	18.4	26.2	12.6	12.0	9.4	12.2	12.4	11.3	80	55	80	72	7.7	5.9										
13	16.1	22.4	18.0	18.6	22.9	13.9	13.0	10.8	12.0	12.4	11.7	80	60	80	73	6.3	1.7										
14	16.1	23.4	18.0	18.9	25.0	14.6	14.0	12.7	12.0	12.5	12.4	93	56	81	77	7.7	3.8										
15	15.4	22.0	18.1	18.4	23.6	14.1	13.2	12.5	11.9	12.4	12.3	95	60	80	78	8.0	4.1										
16	16.3	22.9	17.2	18.4	24.1	15.6	14.3	11.8	12.5	12.7	12.3	85	60	86	77	7.0	4.6										
17	16.4	21.4	17.0	18.0	22.5	15.0	14.0	11.8	11.5	13.1	12.1	85	60	90	78	9.3	1.7										
18	15.3	23.6	18.0	18.7	24.9	15.0	14.1	11.6	10.9	13.1	11.9	90	50	85	75	5.3	4.6										
19	15.1	21.9	17.4	18.0	23.5	14.8	14.0	12.1	11.8	12.6	12.2	95	60	85	80	7.7	3.5										
20	15.3	22.3	19.3	19.0	24.0	14.6	13.5	12.0	11.9	12.5	12.1	93	60	75	76	10.0	3.2										
21	16.3	21.1	18.0	18.4	23.5	16.0	15.0	12.4	12.5	11.4	12.8	90	66	86	81	10.0	4.3										
22	13.4	24.2	17.2	18.0	24.9	13.0	12.5	9.8	12.7	11.2	11.2	85	56	76	72	6.3	6.2										
23	16.0	22.0	17.9	18.4	23.8	14.7	14.0	13.8	11.9	13.0	11.9	80	60	85	75	7.3	3.4										
24	16.3	21.2	17.5	18.1	24.5	15.8	15.0	13.0	12.5	11.7	12.4	94	66	78	79	9.3	1.8										
25	14.2	22.4	16.8	17.6	24.5	13.4	12.7	9.6	11.6	11.5	11.0	80	58	80	71	9.0	3.9										
26	15.3	21.2	18.2	18.2	24.0	15.0	14.1	10.5	9.4	13.0	11.6	81	50	83	71	9.3	4.3										
27	15.4	21.3	17.0	17.7	23.0	15.0	14.5	11.1	11.3	12.7	11.7	85	60	88	78	8.7	3.0										
28	16.3	23.3	18.0	18.9	25.0	15.0	14.1	13.1	11.8	12.4	12.4	95	55	80	77	7.7	4.7										
29	16.3	24.2	18.3	19.3	25.0	14.0	13.3	11.0	11.4	12.6	11.7	80	50	80	70	6.0	6.4										
30	15.3	24.2	18.3	19.6	25.5	15.0	14.1	10.8	12.0	11.0	11.3	84	53	70	69	3.7	6.1										
31	16.3	23.3	17.3	18.6	25.0	14.6	13.0	12.4	11.8	12.5	12.2	90	56	85	77	9.0	1.8										
Med.	15.7	23.2	18.2	18.8	24.9	14.7	13.9	11.6	11.8	12.2	11.6	87	56	76	73	7.3	4.5										

Precipitación total: 43.8 mm.

DATOS DIARIOS

Estación E. S. S. S. Mes Septiembre Año 1969 $\phi = 49^{\circ} 32' N$ $\lambda = 75^{\circ} 38' W$ OR Altura 1.500 M.

Días	TEMPERATURAS °C						TENSIÓN DEL VAPOUR m m						Humedad Relativa %			NUBOSIDAD DECIMOS	Brillo Solar Horas	PRECIPITACION m m			EVAPORACION m m			VIENTOS									
	7		14		20		7		14		20		7		14			20		7		14		20		7		14		20			
	Med.	Máx.	Mín.	Mínima Suelo	Med.	Máx.	Mín.	Med.	Máx.	Mín.	Med.	Máx.	Mín.	Med.	Máx.			Mín.	Med.	Máx.	Mín.	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA		
1	18.0	25.1	19.0	20.3	26.0	15.0	13.8	14.0	11.9	13.6	13.2	91	50	83	75	4.7	4.0	---	---	---	---	---	---	---	---	---	---	---	---				
2	16.4	23.0	18.0	18.8	26.3	15.0	14.4	11.0	12.8	12.4	12.1	78	51	80	70	4.0	6.0	---	---	---	---	---	---	---	---	---	---	---	---				
3	15.3	24.4	19.1	19.5	26.3	13.6	13.0	10.3	10.3	9.9	10.6	80	50	60	63	4.3	7.4	---	---	---	---	---	---	---	---	---	---	---	---				
4	14.4	20.3	19.1	20.1	24.9	14.0	13.0	9.5	11.3	8.4	10.4	78	46	50	58	2.7	8.4	---	---	---	---	---	---	---	---	---	---	---	---				
5	15.0	20.3	21.0	21.3	29.0	13.0	12.5	10.6	8.6	10.5	9.9	84	30	56	57	3.0	9.4	---	---	---	---	---	---	---	---	---	---	---	---				
6	17.0	23.2	17.3	18.7	25.0	14.9	14.0	11.1	12.8	10.3	11.4	76	50	70	60	3.0	9.2	---	---	---	---	---	---	---	---	---	---	---	---				
7	16.1	23.0	20.0	19.8	25.0	14.5	14.0	10.9	11.8	10.6	11.1	81	56	60	66	4.7	3.0	---	---	---	---	---	---	---	---	---	---	---	---				
8	15.4	28.0	19.0	20.4	29.0	14.0	13.1	11.4	10.8	11.5	11.2	87	38	76	65	3.0	9.4	---	---	---	---	---	---	---	---	---	---	---	---				
9	16.6	27.4	21.0	21.5	26.3	14.9	14.0	11.6	11.2	14.0	12.3	82	40	75	66	3.7	9.8	---	---	---	---	---	---	---	---	---	---	---	---	---			
10	16.0	16.0	20.0	20.5	27.4	14.0	13.4	10.8	10.6	10.6	10.7	80	42	60	61	6.3	5.1	---	---	---	---	---	---	---	---	---	---	---	---	---			
11	17.0	27.4	23.1	22.6	29.0	14.8	13.1	12.2	9.5	8.5	10.1	84	35	40	53	4.0	7.8	---	---	---	---	---	---	---	---	---	---	---	---	---			
12	14.1	26.7	22.0	24.2	27.0	13.1	12.0	10.0	12.2	8.0	10.1	84	46	40	57	4.7	9.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
13	14.0	28.2	21.4	21.2	29.5	13.0	12.5	9.6	8.4	7.8	8.7	84	30	40	50	0.7	10.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
14	17.1	27.2	22.2	22.2	29.3	13.0	12.0	10.2	12.1	6.0	10.1	76	44	40	51	2.7	10.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
15	17.4	25.8	19.0	20.3	26.5	14.9	14.0	11.9	13.3	12.3	12.5	80	53	75	69	5.7	4.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
16	16.2	23.0	16.7	18.2	25.2	15.0	14.1	12.4	11.8	12.1	12.1	90	56	65	77	9.0	3.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
17	14.4	23.8	16.0	17.6	25.1	13.7	13.0	10.1	11.1	12.9	11.4	83	50	93	75	9.3	3.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
18	15.3	20.4	17.0	17.4	21.0	14.0	13.5	11.6	11.3	12.5	11.8	90	63	66	80	10.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
19	14.3	18.0	15.0	15.6	19.0	13.5	12.0	11.5	11.2	10.3	11.0	95	72	81	83	8.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
20	13.7	22.0	17.4	17.6	22.5	13.0	12.5	10.2	11.2	10.6	10.7	86	56	70	71	8.0	2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
21	15.0	20.2	15.0	16.3	22.0	13.6	12.4	11.3	10.7	11.3	11.1	88	60	88	79	7.7	2.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
22	15.0	24.3	17.0	18.3	24.9	14.0	13.5	11.0	12.0	11.3	11.4	86	53	78	72	9.0	3.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
23	15.1	23.4	16.0	17.6	24.9	13.0	12.4	9.0	10.4	10.6	10.0	71	48	78	66	9.0	3.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
24	15.0	18.2	15.0	15.8	23.0	13.4	12.6	9.9	12.6	12.8	11.8	78	80	100	66	10.0	0.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
25	13.0	21.3	19.2	18.2	24.0	11.0	10.6	10.7	12.3	13.3	12.1	98	65	80	81	9.3	3.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
26	15.2	22.1	17.2	17.9	24.0	14.4	13.1	13.0	11.9	13.7	12.9	100	60	91	84	8.7	2.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
27	16.0	20.4	16.3	17.2	21.5	15.0	14.1	11.7	12.2	13.1	13.0	100	72	95	89	9.3	3.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
28	14.0	26.0	15.0	17.0	24.3	13.6	13.4	11.7	12.1	12.8	12.2	95	54	70	83	6.7	5.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
29	14.0	21.3	17.1	17.4	22.5	13.0	12.0	12.1	12.3	13.5	12.6	100	65	93	86	10.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
30	16.1	24.2	18.0	19.1	25.0	15.0	14.2	12.7	12.6	14.0	13.1	92	55	91	79	1.7	3.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Med	15.4	23.9	18.3	19.0	25.4	13.9	13.0	11.2	11.6	11.4	11.4	86	53	74	71	6.4	4.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Precipitación total : 207.2 m.m.

DATOS DIARIOS

Estación El Cóna Mes Octubre Año 1969 φ = 40° 32' N λ = 75° 38' WOR Altura 1.500 M.

Main data table with columns: Días, TEMPERATURA, TENSION DEL VAPOR, Humedad Relativa, NEBULOSIDAD, Brillo Solar, PRECIPITACION, EVAPORACION, and VIENTOS (7, 14, 20).

Precipitación total: 421.2 mm.

DATOS DIARIOS

Estación: E. S. S. A. Mes: Noviembre Año 1969 φ = 4° 32' N λ = 75° 38' W GR. Altura: 1.500 M.

Días	TEMPERATURAS °C					HUMEDAD RELATIVA %					TENSION DEL VAPOR m m			BRILLO SOLAR HORAS			PRECIPITACION m m			VIENTOS					
	7	14	20	Med.	Min.	Max.	Min.	Max.	Min.	Med.	20	14	7	Med.	20	14	7	Med.	20	14	7	Med.	20		
					Suelo																	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	
1	16.0	23.0	16.2	17.8	24.4	14.4	13.2	13.0	11.8	13.2	12.7	95	96	96	82	87	1.9	15.2	--	3.6	3.6				
2	15.0	22.8	18.0	18.2	23.0	14.0	13.5	12.5	13.6	13.3	13.1	98	68	88	95	5.3	4.2	--	0.6	4.2	5.2				
3	17.2	24.4	18.2	19.5	25.0	14.8	14.0	14.0	14.6	15.2	13.1	100	66	84	83	4.7	6.8	0.4	--	--	--				
4	15.2	22.0	16.3	17.4	24.4	13.9	14.0	14.6	11.9	13.1	11.8	80	60	96	79	6.7	3.8	--	--	2.0	4.6				
5	16.0	22.2	16.4	17.6	23.3	14.9	14.0	13.1	11.2	13.7	12.7	96	56	100	84	9.7	0.5	2.2	0.1	15.4	16.5				
6	16.0	22.4	16.8	17.7	24.0	15.0	14.0	13.7	12.1	13.5	13.1	100	60	96	86	9.3	2.5	--	--	14.6	80.6				
7	15.4	17.8	15.0	15.8	22.3	14.5	13.6	12.9	15.4	12.8	13.7	98	100	100	90	10.6	0.9	66.0	2.5	53.7	63.6				
8	15.3	22.0	15.6	17.1	23.5	13.8	13.0	12.8	11.2	11.8	11.9	93	96	88	81	8.3	3.4	7.4	--	3.8	9.5				
9	15.6	22.4	17.0	18.6	23.5	14.6	14.0	13.1	12.7	12.7	12.8	98	62	57	82	6.0	3.2	7.7	--	--	--				
10	15.0	21.7	16.4	17.2	23.5	13.7	13.0	12.3	10.3	11.6	11.4	96	53	85	78	5.7	1.6	--	--	1.1	1.1				
11	15.0	17.6	17.0	16.6	23.6	14.5	13.0	11.5	13.5	13.2	12.7	90	90	91	90	8.0	3.0	--	8.1	--	6.1				
12	15.4	18.0	16.3	16.5	22.0	14.4	14.0	12.3	13.4	13.0	12.9	94	86	94	91	6.7	1.9	--	9.8	0.1	9.9				
13	14.8	22.4	17.0	17.8	24.0	12.8	12.0	12.1	12.8	13.1	12.7	96	63	96	83	8.0	4.3	--	--	2.7	2.7				
14	16.2	21.3	17.0	17.9	23.2	14.8	14.0	13.5	12.1	13.5	13.0	98	64	83	85	8.0	1.7	--	--	2.0	6.2				
15	16.4	21.6	17.0	18.0	23.5	14.9	14.0	14.1	12.7	12.3	13.0	100	66	85	84	7.3	3.1	6.2	--	0.2	0.2				
16	15.4	21.0	16.0	17.1	23.1	14.5	14.0	11.9	12.3	13.8	12.7	90	66	94	83	10.0	1.6	--	0.1	9.5	9.6				
17	16.3	23.3	17.4	18.6	24.4	14.4	14.0	13.3	13.4	13.7	13.5	96	64	92	84	7.3	6.0	--	--	0.1	9.0				
18	16.8	22.8	17.0	18.4	24.9	15.6	14.5	13.5	12.5	13.1	13.0	94	60	90	81	6.0	3.7	4.9	--	0.3	4.8				
19	16.0	23.0	16.6	18.6	25.5	14.9	14.5	13.1	11.4	12.8	13.1	96	56	90	81	9.7	3.9	4.5	--	32.5	32.5				
20	15.4	23.8	16.9	18.2	26.0	14.9	14.0	12.0	12.4	11.5	12.0	86	56	80	74	8.0	3.6	--	--	--	--				
21	15.8	24.0	17.4	18.8	25.4	14.8	13.5	12.5	12.4	11.8	12.2	93	56	78	77	9.3	3.2	--	--	--	--				
22	15.4	21.8	18.2	18.4	23.0	15.3	14.0	11.8	13.9	12.6	12.8	90	71	80	80	8.7	3.0	--	--	--	--				
23	16.3	24.2	17.3	18.9	25.0	14.9	14.1	11.5	12.7	13.4	12.9	80	56	97	78	6.0	4.4	--	--	0.7	7.6				
24	16.3	22.4	18.1	18.8	23.0	15.0	14.1	13.9	12.1	14.0	13.3	100	60	90	83	8.7	1.5	6.9	0.1	--	0.1				
25	16.0	21.6	17.2	18.0	23.6	15.1	14.5	12.0	13.4	14.4	13.3	88	70	98	85	10.0	1.3	--	0.1	0.1	0.2				
26	16.4	24.8	17.0	18.8	25.4	14.9	14.2	12.0	12.0	13.0	12.7	86	51	96	78	6.0	2.5	--	--	4.1	4.1				
27	14.2	18.3	18.0	17.1	24.9	13.6	13.0	10.2	13.0	13.0	12.3	85	63	88	85	6.7	2.3	--	2.0	--	2.0				
28	15.8	24.0	18.8	19.4	24.5	14.8	13.5	11.6	14.9	11.6	12.7	86	66	71	74	4.0	2.2	--	--	0.1	0.1				
29	17.2	21.4	17.1	18.2	22.0	14.9	14.0	12.0	14.6	13.9	13.5	81	76	94	84	4.3	3.5	--	5.5	--	5.5				
30	13.4	23.7	16.6	17.1	24.9	12.8	12.0	10.4	11.6	11.6	11.2	90	60	76	75	5.7	2.9	--	--	--	--				
31																									
Med	15.7	22.0	17.0	17.9	23.9	14.5	13.7	12.5	12.8	13.0	12.8	93	65	90	82	7.4	2.9	--	4.0	1.0	5.0	9.5			

Evaporación total: 285.3 mm.

DATOS DIARIOS

Estación El Sena Mes Diciembre Año 1969 $\phi = 4^{\circ} 32' N$ $\lambda = 75^{\circ} 30' W$ WGB Altura 1,500 M.

Table with columns: Dias, TEMPERATURAS (7, 14, 20 Med, Máx, Mín, Mínima Sueto), TENSION DEL VAPOR (7, 14, 20 Med, m m), Humedad Relativa (7, 14, 20 Med), BRILLO SOLAR (Horas), PRECIPITACION (7, 14, 20 m m, Total), EVAPORACION (m m), VIENTOS (7, 14, 20 DIRECCION, FUERZA, Km./Hora).

Precipitación total: 266.3 mm.

RESUMEN MENSUAL Y ANUAL

AÑO 1959

D	ESTACION: EL 5300				TEMPERATURAS EXTREMAS					HUMEDAD RELATIVA %		TENSION DEL VAPOR			PRECIPITACION														
	PRESSION ATMOSFERICA SOBRE 600 MIL. HG.				MAXIMA		MINIMA		MEDIA		ABSOLUTA		ABSOLUTA		MM. HG.			MM.											
	7	14	20	MEDIA	MAXIMA	MINIMA	DA	MINIMA	DA	MINIMA	DA	MINIMA	DA	MINIMA	DA	MINIMA	DA	MINIMA	DA	MINIMA	DA	MINIMA	DA	MINIMA	DA	MINIMA	DA	MINIMA	
ENERO																													
FEBRERO																													
MARZO																													
ABRIL																													
MAYO																													
JUNIO																													
JULIO																													
AGOSTO																													
SEPTIEMBRE																													
OCTUBRE																													
NOVIEMBRE																													
DECEMBRE																													
MEDIA ANUAL																													

PRECIPITACION TOTAL: 2,549.6

PRECIPITACION MAXIMA: 82.6 - II - 30

DIAS LLUVIOSOS: 215

FRECUENCIA DE PRECIPITACION Y TEMPERATURA

ESTACION: El Sena

AÑO: 1.969

MESES	PRECIPITACION												TEMPERATURA										
	7 HORAS			14 HORAS			20 HORAS			TOTAL			Mínimo	Máximo	Mínimo	Máximo							
	Más de: 01 10 100	200	500	Más de: 01 10 100	200	500	Más de: 01 10 100	200	500	Más de: 01 10 25 50 100 200 500	Mínimo Arriba de 14 oc	Máximo Abajo de 16 oc	Mínimo Arriba de 23 oc	Máximo Abajo de 27 oc									
ENERO	11	9	3	2	-	-	10	5	2	1	1	16	13	10	9	6	2	1					
FEBRERO	4	2	1	-	-	-	8	7	1	1	-	12	10	7	5	4	2	-					
MARZO	2	1	-	-	-	-	13	12	4	1	-	15	15	13	10	5	2	-					
ABRIL	16	14	10	7	-	-	20	17	4	2	-	25	23	20	18	17	12	3					
MAYO	11	7	3	3	-	-	16	10	3	-	-	22	16	12	10	8	3	-					
JUNIO	11	7	2	-	-	-	13	10	1	1	-	21	13	10	8	3	2	-					
JULIO	2	-	-	-	-	-	2	1	1	1	-	3	1	1	1	1	1	-					
AGOSTO	15	9	-	-	-	-	6	2	-	-	-	16	10	4	3	-	-	-					
SEPTBRE.	7	7	2	-	-	-	4	2	1	-	-	9	6	2	2	-	-	-					
OCTUBRE	17	13	9	5	1	-	14	8	1	-	-	13	12	11	10	5	2	1					
NOVIEMBRE	10	9	2	1	1	-	10	5	-	-	-	28	25	22	21	12	7	-					
DICIEMBRE	8	5	1	-	-	-	12	5	3	-	-	24	20	18	13	4	3	2					
SUMA ANUAL	114	83	33	18	2	-	92	47	14	4	-	156	112	30	13	2	215	175	143	121	75	39	7

(1 11 3 2)
(8 8 6 1)
(12 4 1 14)
(7 3 5 4)
(19 - 7 10)
(17 - 13)
(6 1 5)
(18 2 7)
(88 19 47 31)

FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.

MESES	PRECIPITACION MAS DE 0.1 MM.																								TOTAL
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	
ENERO	2	2	3	4	6	8	7	5	2	1	1	1	-	-	3	2	3	6	4	3	4	2	2	3	
FEBRERO	1	1	1	1	3	1	1	-	1	-	1	1	1	2	4	5	3	3	2	2	1	2	1	1	
MARZO	-	-	1	1	1	2	-	-	1	1	1	2	3	6	7	4	6	7	5	3	-	-	-	1	
ABRIL	8	9	9	7	8	6	5	3	1	3	3	2	3	7	9	7	9	11	16	6	5	5	9		
MAYO	3	5	5	5	7	4	3	1	1	1	-	1	3	6	4	6	9	6	4	3	2	2	2		
JUNIO	3	5	6	7	6	5	-	2	1	-	-	1	4	5	5	9	5	2	2	3	2	3	2		
JULIO	-	-	1	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-		
AGOSTO	4	4	5	5	4	7	4	2	2	-	-	1	-	3	3	1	3	1	2	2	2	2	3		
SEPTBRE.	3	3	2	4	3	6	4	2	2	2	-	1	-	1	2	2	4	3	3	5	4	2	2		
OCTUBRE	10	12	10	8	10	8	7	6	4	5	4	2	5	9	10	9	12	9	6	9	6	6	8		
NOVIEMBRE	5	4	5	2	4	5	3	3	2	2	2	3	4	5	11	11	11	7	3	5	7	3	2		
DICIEMBRE	4	4	6	4	2	3	2	2	1	1	-	-	4	9	11	8	4	5	3	-	1	1	1		
SUMA ANUAL	43	49	54	48	55	56	36	26	17	17	12	15	27	53	69	64	70	61	45	42	32	33	31	33	

RESUMEN DE ALGUNAS CARACTERISTICAS
DE LA PRECIPITACIONEstación: El SanaAño 1.969

MESES	TOTAL			No. PRECIPITACIONES			CANTIDAD			DURACION			PRECIPITACION MAXIMA						DURACION MAXIMA					
	m. m.	Dias	No. de dias	Dia	Noche	Total	Total Dia	Total Noche	Dia	Noche	Total	m. m.	Durac.	Int. Max. 5/m.	Int. Max. 1/m.	Int. Max. 1 min. (caída)	Int. Max. 5 min.	Int. Max. 1 min. (caída)	m. m.	Int. Max. 5 min.	Int. Max. 1 min. (caída)	Int. Max. 5 min.	Int. Max. 1 min. (caída)	
Enero	189.2	16	20	23	43	96.5	92.7	92.7	21:20'	27:10'	48:30'	50.6	3:30'	0.84	6.9	1.4	6:10'	21.5	0.06	1.5	0.06	1.5	0.3	
Febrero	120.8	12	16	6	22	104.5	16.3	16.3	14:25'	10:45'	25:10'	44.2	1:30'	0.49	10.0	2.0	7:30'	12.5	0.03	1.0	0.03	1.0	0.2	
Marzo	132.2	15	25	3	28	126.0	6.2	6.2	22:10'	2:30'	24:40'	23.3	1:15'	0.31	5.6	1.1	3:05'	3.7	0.02	0.4	0.02	0.4	0.1	
Abril	592.3	25	41	27	68	234.1	358.2	358.2	46:20'	67:25'	113:45'	50.7	2:50'	0.30	10.0	2.0	8:30'	31.4	0.06	3.0	0.06	3.0	0.6	
Mayo	192.9	22	29	19	48	114.2	78.7	78.7	25:15'	23:15'	48:30'	24.8	3:30'	0.12	2.5	0.5	5:25'	7.1	0.02	0.7	0.02	0.7	0.1	
Junio	135.3	21	27	15	42	86.3	47.0	47.0	21:40'	24:35'	46:15'	32.0	1:35'	0.34	10.2	2.0	5:50'	8.5	0.02	0.6	0.02	0.6	0.1	
Julio	23.1	3	2	4	6	22.4	0.7	0.7	1:55'	1:10'	3:05'	22.3	1:35'	0.23	7.2	1.4	1:35'	22.3	0.23	7.2	0.23	7.2	1.4	
Agosto	43.8	16	16	24	40	12.2	31.6	31.6	8:35'	26:40'	35:15'	8.6	3:55'	0.04	0.7	0.7	3:55'	8.6	0.04	0.7	0.04	0.7	0.1	
Septbre.	297.2	15	16	21	37	93.7	113.5	113.5	16:40'	30:20'	47:00'	52.0	3:00'	0.29	5.5	1.1	5:40'	10.8	0.03	1.0	0.03	1.0	0.2	
Octbre.	421.2	28	50	32	82	181.3	239.9	239.9	53:35'	67:20'	120:55'	43.2	6:05'	0.12	5.0	1.0	10:30'	30.6	0.05	2.0	0.05	2.0	0.4	
Novbre.	285.3	24	39	22	61	179.1	106.2	106.2	43:20'	25:00'	68:20'	65.9	6:50'	0.16	5.2	1.0	8:50'	63.1	0.12	6.0	0.12	6.0	1.2	
Dicbre.	206.3	20	30	14	44	161.6	44.7	44.7	26:50'	19:00'	45:50'	26.3	1:25'	0.31	10.2	2.0	5:50'	18.4	0.05	1.5	0.05	1.5	0.3	
TOTALES	2,549.6	215	311	210	521	1413.9	135.7	135.7	302:05'	325:10'	627:15'	443.9	37:00'	II	II	II	72:50'	238.5	II	II	II	II	II	II

DATOS DIARIOS

Estación Cochabamba Mes Enero Año 1969 φ = 45° N λ = 79° 29' W GR Altura 1.250 M.

Días	TEMPERATURAS						TENSION DEL VAPOR						Humedad Relativa %				HUBOSIDAD DECIMOS		Brillo Solar Horas			PRECIPITACION m m						EVAPORACION m m			VIENTOS					
	Méd.		Máx.		Mín.		Méd.		Máx.		Mín.		7		14		20		7		14		20		7		14		20		7		14		20	
	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	Méd.	7	14	20	Méd.	7	14	20	Total	7	14	20	Total	7	14	20	DIREC. FUERZA Km./Hora	DIREC. FUERZA Km./Hora	DIREC. FUERZA Km./Hora		
1	15.0	24.0	18.8	19.1	23.0	13.8	13.0	12.1	12.0	14.6	12.9	9.1	9.3	9.0	7.9		6.3																			
2	16.0	19.0	16.3	16.9	21.4	15.3	14.5	12.4	13.2	12.6	12.7	9.1	8.8	9.1	8.1		2.6																			
3	13.0	26.3	16.0	17.8	27.3	11.6	10.5	10.5	8.8	12.4	10.6	9.4	9.5	9.1	7.3		9.9																			
4	14.4	24.9	17.0	18.3	26.0	13.4	11.8	11.7	10.5	13.1	11.8	9.5	4.5	9.0	7.7		9.0																			
5	15.0	26.0	17.3	18.9	26.3	14.5	14.0	11.5	10.9	12.5	11.6	9.0	4.3	8.5	7.1		6.3																			
6	16.1	25.3	15.4	18.0	26.3	14.7	14.0	12.6	10.3	11.8	11.6	9.1	4.3	8.0	7.5		5.6																			
7	16.3	26.4	15.6	18.5	27.0	12.8	11.4	12.4	9.3	11.9	11.2	9.0	3.6	8.0	7.2		9.6																			
8	15.3	26.2	18.0	19.4	26.6	13.8	12.5	10.7	8.8	12.4	10.2	8.3	3.5	8.0	6.6		9.9																			
9	17.8	26.0	18.8	20.4	26.3	15.9	15.0	14.3	10.0	14.6	13.0	9.3	4.0	7.4																						
10	16.0	24.3	17.8	19.0	26.0	14.7	14.0	12.3	9.6	13.7	11.9	9.0	4.3	9.0	7.4		7.0																			
11	14.8	23.0	17.8	18.4	24.0	14.0	13.2	11.3	11.3	13.7	12.1	9.0	5.3	9.0	7.8		5.3																			
12	16.0	23.0	17.8	18.6	25.0	15.9	15.0	12.7	13.2	12.8	12.9	9.1	6.3	8.3	8.0		0.8																			
13	16.6	21.4	15.6	17.3	21.4	15.0	14.5	13.2	13.3	12.3	12.9	9.3	7.0	9.3	8.5		3.1																			
14	15.0	22.0	17.3	17.9	24.4	13.6	12.4	11.8	11.9	14.0	12.6	9.1	6.0	9.5	8.1		2.3																			
15	16.1	18.0	16.2	16.6	20.3	15.0	14.5	13.0	14.5	12.7	13.4	9.5	9.3	9.4																						
16	16.0	22.0	18.0	18.5	23.3	14.5	14.0	12.5	10.5	13.8	12.3	9.3	5.3	9.0	7.9		3.9																			
17	16.6	26.4	17.8	19.6	27.2	14.0	13.4	13.2	11.3	14.2	12.9	9.3	4.3	9.3	7.6		6.8																			
18	17.2	23.8	16.3	18.4	24.6	15.4	14.0	13.7	13.3	12.4	13.1	9.3	6.0	8.1																						
19	16.0	22.8	18.1	18.8	23.3	13.8	13.0	12.7	13.0	14.5	13.4	9.3	6.3	9.3	8.3		3.6																			
20	15.7	23.3	17.1	18.3	24.0	14.8	14.0	12.5	11.4	13.1	12.3	9.3	5.3	9.0	7.9		4.7																			
21	16.0	23.9	16.8	19.4	24.2	14.1	13.4	12.7	11.6	13.1	12.5	9.3	5.2	8.0	7.5		6.4																			
22	15.8	23.5	19.2	19.4	24.5	13.5	13.0	12.5	11.7	15.0	13.1	9.3	5.3	9.0	7.6		2.8																			
23	17.0	20.1	17.1	18.1	22.4	15.1	14.5	13.5	12.8	14.2	13.5	9.3	7.3	9.3	8.6		3.6																			
24	17.0	23.0	17.6	18.9	24.0	15.8	14.5	13.5	11.8	14.2	13.2	9.3	5.6	9.3	8.1		3.4																			
25	16.4	22.6	16.8	18.2	23.3	15.5	15.0	13.1	12.3	13.4	12.9	9.3	6.0	9.3	8.2		6.1																			
26	16.8	25.0	17.1	19.3	26.2	15.1	14.3	13.6	11.9	13.8	13.1	9.5	5.0	9.3	7.9		4.7																			
27	16.0	23.5	17.1	18.7	23.8	13.8	13.0	12.7	11.7	13.7	12.7	9.3	5.3	9.0	7.9		2.4																			
28	14.1	25.4	17.8	18.8	26.0	12.8	12.0	11.1	12.3	13.7	12.4	9.3	5.0	9.0	7.8		7.8																			
29	14.4	25.4	16.0	18.0	26.0	12.8	12.0	10.1	12.3	12.3	11.6	8.3	5.0	9.0	7.4		6.1																			
30	15.0	25.1	18.0	19.0	25.4	12.9	12.0	11.8	11.9	14.5	12.7	9.3	5.0	9.3	7.9		3.5																			
31	17.0	24.9	17.8	19.4	25.4	14.9	14.0	13.8	13.2	13.4	13.5	9.5	5.6	8.8	8.0		4.7																			
Med.	15.8	23.8	17.4	18.6	24.7	14.3	13.4	12.4	11.6	13.4	12.5	9.2	5.4	9.0	7.9		5.2																			

DATOS DIARIOS

Estación Cochipaya

Mes Febrero

Año 1969

φ -4° 45' N

λ -79° 29' W

Altura 1.230 M.

Días	TEMPERATURAS						TENSION DEL VAPOR						Humedad Relativa %			NUBOSIDAD DECIMOS	Brillo Solar Horas	PRECIPITACION m m			EVAPORACION m m	VIENTOS					
	7		14		20		7		14		20		7	14	20			7		14		20					
	Med.	Max.	Min.	Med.	Max.	Min.	Med.	Max.	Min.	Med.	Max.	Min.	Med.	Max.	Min.			DIRECCION	FUERZA	DIRECCION		FUERZA	DIRECCION	FUERZA			
1	17.0	23.0	18.3	19.2	24.0	15.0	14.5	13.8	12.8	14.5	13.7	95	61	51	83	3.0	0.6	—	—	—	—	1.8					
2	19.0	25.0	18.8	20.4	26.0	16.4	15.5	15.2	10.6	13.7	13.2	93	45	85	74	3.7	—	—	—	—	—	1.8					
3	18.0	24.0	19.2	20.1	25.3	16.8	15.5	16.7	11.2	13.8	13.2	95	50	83	76	4.2	0.2	—	—	—	—	0.1					
4	15.3	24.0	18.8	19.2	25.0	14.8	14.0	12.3	12.0	13.1	12.5	95	53	80	76	2.1	0.1	1.0	0.1	2.8	1.2	1.2					
5	15.5	25.4	19.6	20.0	26.0	14.6	13.8	12.2	12.3	15.4	13.3	93	50	90	78	5.2	3.7	—	—	—	—	1.0					
6	17.0	22.0	18.0	18.8	24.3	16.1	15.5	13.5	14.8	13.8	14.0	93	74	90	86	7.1	1.0	—	—	—	—	1.4					
7	17.2	25.2	20.0	20.6	26.3	16.4	15.5	14.1	11.6	15.9	13.9	96	54	90	80	4.6	—	—	—	12.4	12.9	1.6					
8	16.3	22.0	17.8	18.5	22.5	15.3	14.5	13.1	14.4	13.8	13.8	93	73	91	86	1.8	0.5	—	—	0.3	0.3	1.2					
9	17.0	24.1	18.3	19.4	25.0	14.9	14.0	13.7	13.5	14.0	13.7	94	60	90	81	3.3	—	—	—	0.7	3.5	1.2					
10	17.0	23.0	18.4	19.2	25.0	16.1	15.3	13.8	12.6	14.6	13.7	95	60	93	83	5.1	0.8	—	—	—	—	1.4					
11	16.0	24.8	18.8	19.6	26.0	14.5	14.0	12.7	12.6	15.0	13.4	93	53	93	80	4.4	—	—	—	—	—	1.2					
12	16.2	25.6	17.8	19.4	26.3	14.5	14.0	12.9	10.5	13.7	12.4	93	43	90	75	5.4	—	—	—	—	—	1.2					
13	16.0	25.0	18.4	19.4	26.4	14.5	13.6	13.0	12.9	13.8	13.2	95	54	90	80	5.1	—	—	—	—	—	1.4					
14	16.8	26.9	19.0	20.4	27.4	14.9	14.0	13.4	10.5	12.3	12.1	93	40	75	69	9.0	—	—	—	—	—	1.4					
15	17.8	27.4	20.0	21.3	28.0	14.5	13.7	14.2	11.8	14.1	13.4	93	43	80	72	8.4	—	—	—	—	—	1.4					
16	17.0	27.9	20.0	21.2	29.0	16.0	15.1	13.5	11.1	12.8	12.5	93	40	73	69	8.1	—	—	—	—	—	1.2					
17	18.8	23.0	18.8	19.8	25.6	18.0	17.3	14.6	11.3	14.0	13.3	90	53	86	76	2.4	—	—	—	—	—	1.0					
18	18.0	25.0	17.7	19.6	26.0	17.5	16.5	14.5	12.5	13.7	13.6	93	52	90	78	5.7	1.1	—	—	—	—	2.0					
19	15.4	22.0	18.0	18.4	23.3	14.3	13.1	12.2	13.8	13.6	13.3	93	70	90	84	2.6	—	—	—	—	—	1.4					
20	16.2	21.0	18.0	18.3	23.3	15.4	14.5	12.9	14.9	14.5	14.1	93	80	93	89	0.9	—	—	—	—	—	1.4					
21	14.2	26.2	18.1	19.2	28.0	13.8	13.0	11.2	10.2	12.4	11.3	93	40	80	71	4.8	—	—	—	—	—	1.2					
22	16.0	24.0	19.8	19.9	26.4	14.5	13.8	12.8	14.1	14.7	13.9	94	63	85	81	4.7	—	—	—	—	—	1.6					
23	17.2	26.0	21.0	21.3	26.6	15.5	14.4	13.7	12.9	14.0	13.5	93	51	75	73	3.6	—	—	—	—	—	2.0					
24	17.2	21.0	18.0	18.6	23.8	15.9	14.5	13.4	13.0	13.1	13.2	91	70	85	82	1.0	—	—	—	10.6	23.4	1.0					
25	15.4	23.3	18.0	18.7	24.0	13.7	13.0	12.2	11.4	16.5	12.7	93	53	93	80	4.3	12.8	—	—	—	—	1.0					
26	14.8	22.6	18.3	18.5	24.4	14.0	13.1	11.6	13.0	14.9	13.2	92	64	95	86	3.1	—	—	—	4.0	4.0	0.8					
27	17.1	21.8	16.0	17.7	24.0	15.2	14.6	13.8	13.6	12.4	13.3	95	70	91	85	1.9	—	—	—	1.2	—	0.8					
28	17.0	26.0	18.7	20.1	26.3	15.1	14.5	13.5	11.6	14.9	13.3	93	46	92	77	5.2	—	—	—	—	—	1.6					
29																											
30																											
31																											
Med.	16.6	24.2	18.6	19.5	25.4	15.3	14.4	13.3	12.4	14.0	13.2	93	56	87	79	4.3	0.7	0.2	1.2	2.0	1.4	1.4					

Precipitación total : 55.6 mm.

DATOS DIARIOS

Estación CACHIPAY Mes MARZO Año 1969 $\varphi = 45^{\circ} 45' N$ $\lambda = 102^{\circ} 20' W$ GR Altura 3,250 M.

Días	TEMPERATURAS °C					TENSION DEL VAPOR mm m					Humedad Relativa %			NUBOSIDAD DECIMOS		Brillo Solar Horas		PRECIPITACION mm			VIENTOS					
	7	14	20	Med.	Min.	Minimo Suño	7	14	20	Med.	7	14	20	Med.	7	14	20	7	14	20	FUERZA DIRECCION	FUERZA DIRECCION	FUERZA DIRECCION			
1	16.0	23.6	17.1	18.4	26.0	15.1	14.6	12.7	11.9	13.2	12.6	93	94	91	79	—	—	—	—	—	—	—	—	—	—	
2	17.2	24.0	18.3	19.4	25.0	15.5	14.4	13.7	12.4	14.8	13.6	93	96	94	81	—	—	—	—	—	—	—	—	—	—	
3	17.0	21.0	18.6	18.8	23.2	15.3	14.5	13.8	13.0	15.2	14.0	95	70	94	86	—	—	—	—	—	—	—	—	—	—	
4	16.8	22.4	19.0	19.3	23.2	14.6	13.7	13.6	13.6	14.1	13.8	95	66	86	82	—	—	—	—	—	—	—	—	—	—	
5	17.0	22.0	17.1	18.3	22.6	15.1	14.5	13.7	14.4	13.7	13.9	94	72	94	87	—	—	—	—	—	—	—	—	—	—	
6	15.2	26.8	16.8	18.9	27.3	12.4	11.0	12.3	10.5	12.9	11.9	95	40	90	75	—	—	—	—	—	—	—	—	—	—	
7	14.0	26.8	17.9	19.2	28.0	12.4	11.5	11.4	10.0	13.7	11.7	95	38	90	74	—	—	—	—	—	—	—	—	—	—	
8	14.8	26.7	19.8	20.3	27.5	13.8	13.0	12.0	9.5	15.6	12.4	95	36	90	74	—	—	—	—	—	—	—	—	—	—	
9	15.2	25.8	18.8	19.6	26.4	14.1	13.0	12.3	12.5	14.6	13.3	95	50	90	78	—	—	—	—	—	—	—	—	—	—	
10	15.8	26.8	18.8	20.0	27.4	14.7	14.0	12.9	12.3	12.3	12.5	96	46	75	72	—	—	—	—	—	—	—	—	—	—	
11	17.3	25.0	18.1	19.6	25.5	14.8	14.0	14.0	12.5	13.1	13.2	95	52	85	77	—	—	—	—	—	—	—	—	—	—	
12	17.2	23.6	17.8	19.1	24.0	15.5	14.8	14.1	13.1	13.2	13.5	96	60	86	81	—	—	—	—	—	—	—	—	—	—	
13	16.1	19.0	18.2	17.9	24.0	15.8	15.0	13.1	15.9	14.8	14.6	96	96	94	95	—	—	—	—	—	—	—	—	—	—	
14	15.6	24.0	19.3	19.6	25.0	15.0	14.5	12.6	13.5	15.6	13.9	95	60	94	83	—	—	—	—	—	—	—	—	—	—	
15	14.7	25.8	17.9	19.1	26.8	13.8	13.0	12.1	10.3	13.8	12.1	96	41	91	76	—	—	—	—	—	—	—	—	—	—	
16	14.0	26.8	18.8	19.6	27.6	12.8	11.5	11.4	10.4	14.0	11.9	95	38	86	73	—	—	—	—	—	—	—	—	—	—	
17	16.8	26.8	20.0	20.9	27.3	14.8	13.5	14.4	10.8	15.3	13.5	100	41	88	76	—	—	—	—	—	—	—	—	—	—	
18	15.4	23.9	16.8	18.2	25.0	13.9	13.0	12.5	13.3	13.1	13.0	95	60	91	82	—	—	—	—	—	—	—	—	—	—	
19	14.0	25.6	16.9	18.4	26.2	13.0	12.4	10.8	10.4	12.9	11.4	91	42	90	74	—	—	—	—	—	—	—	—	—	—	
20	14.9	25.0	17.7	18.8	26.0	13.7	13.0	11.7	11.9	14.4	12.7	93	50	95	79	—	—	—	—	—	—	—	—	—	—	
21	15.4	26.0	19.9	20.7	27.3	14.9	14.0	14.0	11.2	15.1	13.4	96	44	88	76	—	—	—	—	—	—	—	—	—	—	
22	16.1	22.0	17.8	18.6	24.0	14.1	14.0	12.7	11.8	14.4	13.6	91	66	94	85	—	—	—	—	—	—	—	—	—	—	
23	17.8	26.2	18.8	20.4	27.0	16.1	15.1	14.4	10.5	13.1	12.7	94	41	80	72	—	—	—	—	—	—	—	—	—	—	
24	16.0	27.0	17.8	19.6	28.1	14.5	14.0	13.2	10.3	13.7	12.4	97	40	90	76	—	—	—	—	—	—	—	—	—	—	
25	16.2	18.8	16.9	17.8	23.6	15.4	14.5	13.0	14.6	12.9	13.5	94	90	90	91	—	—	—	—	—	—	—	—	—	—	
26	14.1	24.3	17.9	18.5	23.1	13.7	13.0	11.5	11.4	13.7	12.2	96	50	90	72	—	—	—	—	—	—	—	—	—	—	
27	15.5	22.0	17.8	18.3	25.1	14.6	14.0	12.7	14.6	13.8	13.8	96	74	91	87	—	—	—	—	—	—	—	—	—	—	
28	17.1	20.1	17.0	17.8	22.0	15.6	15.0	14.0	12.2	13.7	13.3	96	70	94	87	—	—	—	—	—	—	—	—	—	—	
29	16.0	24.9	19.6	20.0	26.1	13.9	13.0	12.8	11.8	14.3	13.0	94	50	84	76	—	—	—	—	—	—	—	—	—	—	
30	16.1	22.0	18.0	20.2	24.1	15.8	15.0	12.8	11.9	12.5	12.4	94	60	86	80	—	—	—	—	—	—	—	—	—	—	
31	17.0	24.0	20.2	25.0	25.0	14.4	13.8	12.1	15.8	13.9	13.9	95	54	90	80	—	—	—	—	—	—	—	—	—	—	
Med	15.9	24.2	18.2	19.1	25.5	14.5	13.7	12.9	12.2	14.0	13.0	95	55	89	80	—	—	—	—	—	—	—	—	—	—	

Precipitación total : 34.6 mm.

DATOS DIARIOS

Estación CAONIPAY

Mes ABRIL

Año 1969

φ = 4° 45' N λ = 79° 29' W.G.R.

Altura 1.590 M.

Días	TEMPERATURAS °C						TENSION DEL VAPOUR m m						Humedad Relativa %						Brillo Solar Horas		PRECIPITACION m m			EVAPORACION m m			VIENTOS														
	7		14		20		7		14		20		7		14		20		7		14		20		7		14		20		7		14		20						
	Med.	20	Med.	20	Med.	20	Med.	20	Med.	20	Med.	20	Med.	20	Med.	20	Med.	20	Med.	20	Med.	20	Med.	20	Med.	20	Med.	20	Med.	20	Med.	20	Med.	20							
1	15.3	25.0	17.6	18.9	26.0	14.5	14.0	12.3	13.1	14.2	13.2	95	55	94	81																										
2	15.5	24.0	18.6	19.2	26.0	15.0	14.3	12.5	12.4	14.4	13.1	95	56	90	80																										
3	17.6	19.0	18.8	18.6	24.2	17.0	16.3	14.2	14.2	15.4	14.6	94	86	94	91																										
4	16.0	22.0	18.4	18.7	23.3	15.3	14.6	13.0	13.8	13.7	13.5	95	70	86	84																										
5	17.3	22.1	19.0	19.4	24.9	15.2	14.5	14.0	14.9	14.8	14.6	95	75	90	87																										
6	16.8	18.0	17.8	17.6	22.3	15.6	15.0	13.6	14.9	14.7	14.3	95	95	96	95																										
7	18.1	19.8	18.4	18.7	23.0	14.9	14.0	14.7	13.9	15.1	14.6	95	80	95	90																										
8																																									
9																																									
10																																									
11																																									
12																																									
13																																									
14																																									
15																																									
16	17.2	22.4	18.1	19.0	23.9	14.6		14.8	12.1	13.8	13.6	100	60	90	83																										
17	16.0	22.4	18.1	18.6	23.6	15.3		13.0	13.9	14.5	13.8	95	68	91	85																										
18	17.0	19.2	17.2	17.6	21.2	16.0		13.7	14.1	13.9	13.9	94	65	94	91																										
19	16.1	21.2	18.0	19.6	27.6	14.5		12.1	11.0	13.4	12.2	95	40	86	74																										
20	16.4	23.0	18.6	19.2	25.6	15.5		13.3	12.8	14.5	13.5	95	61	91	82																										
21	17.0	19.1	17.0	17.8	22.2	15.4		14.5	13.8	15.1	14.2	95	92	95	94																										
22	17.1	21.8	19.3	19.9	25.4	15.3		13.8	12.2	15.0	13.7	95	55	90	80																										
23	17.4	24.8	18.8	20.0	24.9	16.8		16.0	14.2	14.6	13.8	95	53	90	79																										
24	16.6	21.0	15.8	17.3	21.3	16.0		12.8	14.9	12.4	18.4	90	80	92	91																										
25	16.0	24.4	18.2	19.2	25.4	15.3		13.0	12.9	14.0	13.3	95	56	90	80																										
26	18.6	26.0	20.0	21.2	27.6	13.3		12.1	13.2	12.2	13.6	95	52	70	72																										
27	17.8	24.2	17.4	18.6	24.0	15.3		14.5	13.0	12.2	12.8	95	58	87	80																										
28	16.0	23.0	17.8	18.6	24.0	15.3		14.2	12.6	13.9	13.6	93	55	93	80																										
29	17.8	24.2	17.4	19.2	24.6	14.8		14.0	14.2	12.6	13.9	13.6	93	55	93	80																									
30	17.8	23.2	17.0	18.8	25.0	15.5		13.2	12.8	13.5	13.2	87	60	93	80																										
31																																									
Med	16.0	22.6	18.1	18.9	24.4	15.3		13.5	13.3	14.0	13.6	94	67	90	84																										

Precipitación total: 251.3 mm.

DATOS DIARIOS

Estación CACHIPAZ Mes MAYO Año 1969 $\phi = 45^{\circ} 45' N$ $\lambda = 121^{\circ} 29' W.G.R$ Altura 1,250 M.

Días	TEMPERATURAS						TENSION DEL VAPOR						Humedad Relativa %			NUBOSIDAD		Brillo Solar Horas		PRECIPITACION				VIENTOS					
	°C						mm													mm				Km./Hora					
	7	14	20	Med.	Máx.	Mín.	Mínima Suelo	7	14	20	Med.	7	14	20	Med.	7	14	20	Med.	7	14	20	Total	DIREC.	FUERZA	DIREC.	FUERZA	DIREC.	FUERZA
1	17.0	24.0	16.8	18.6	25.0	15.8	15.0	14.0	14.3	12.6	13.6	96	64	91	84	3.7	0.4	2.0	14.1	16.1	0.4								
2	17.0	20.0	17.0	17.8	24.0	15.6	14.8	13.5	12.8	14.0	13.4	93	71	96	87	5.4	--	6.5	0.6	7.1	1.0								
3	18.0	23.0	17.0	18.8	24.0	15.5	14.5	14.7	15.5	14.0	14.7	95	71	96	88	7.0	--	--	12.5	36.9	0.6								
4	17.1	22.0	16.5	18.0	23.0	15.8	15.0	13.5	13.8	12.9	13.4	93	70	93	88	6.2	24.4	4.0	--	4.0	0.8								
5	17.5	24.2	18.6	19.7	24.9	16.5	16.0	14.0	14.8	14.7	14.5	93	65	92	83	1.9	3.3	--	0.3	--	0.3	1.0							
6	18.0	26.0	18.6	20.3	26.6	15.5	15.0	14.3	12.7	13.4	13.5	93	50	83	75	5.3	--	--	--	--	--	0.8							
7	18.0	23.6	17.8	19.3	24.5	16.6	15.8	14.5	16.0	13.9	14.8	93	71	92	86	6.3	--	--	--	--	--	0.6							
8	15.0	25.3	18.6	19.4	25.4	14.0	13.5	13.5	9.6	14.8	12.0	90	40	93	74	5.9	--	--	--	--	--	0.6							
9	17.0	24.3	18.0	19.3	25.0	16.0	15.5	14.0	12.0	13.8	13.3	96	53	90	80	4.6	--	--	--	--	--	0.4							
10	16.6	24.0	17.8	19.0	24.9	15.5	15.0	13.2	13.5	14.2	13.6	93	60	93	82	5.9	--	--	--	--	--	0.8							
11	17.0	23.1	17.8	18.9	24.7	15.8	15.0	13.5	13.2	14.2	13.6	93	61	90	82	7.4	--	--	0.5	0.5	0.8								
12	18.0	24.0	19.0	20.0	24.0	15.9	15.0	14.5	14.1	14.8	14.5	93	63	90	82	6.8	--	--	--	--	--	0.8							
13	17.8	24.0	18.0	19.4	24.2	16.7	16.0	13.9	11.2	14.9	13.3	92	50	96	79	2.7	--	--	--	--	0.3	0.6							
14	18.0	26.2	18.8	20.4	26.8	16.5	16.0	13.1	11.5	15.0	13.2	85	45	93	74	8.7	0.3	--	23.3	49.0	0.8								
15	17.0	24.7	17.9	19.4	25.4	15.5	15.0	13.5	12.7	13.2	13.1	93	54	86	78	4.8	25.7	--	--	--	--	1.8							
16	17.0	25.3	18.7	19.9	26.0	15.8	15.0	13.2	10.7	14.6	12.8	93	45	90	75	4.2	--	--	--	--	--	1.4							
17	17.7	23.8	18.0	19.4	25.4	15.8	15.0	14.7	10.2	13.8	12.9	96	46	90	71	3.5	--	--	--	--	--	1.8							
18	17.0	22.4	17.3	28.5	24.3	15.0	14.1	13.5	14.9	12.0	13.5	93	73	81	82	3.2	--	--	--	--	--	1.8							
19	18.0	25.0	18.8	20.2	25.8	16.1	15.0	14.7	12.6	13.1	13.5	95	53	80	76	2.5	--	--	--	--	--	1.4							
20	17.2	23.0	18.8	19.4	25.4	15.0	14.3	14.0	13.2	13.6	13.6	95	64	84	81	9.1	--	--	--	--	--	1.8							
21	17.0	23.0	18.1	19.0	25.0	16.3	14.4	13.7	15.8	13.6	14.4	94	74	88	85	4.4	--	--	--	--	--	1.4							
22	16.0	22.3	18.2	18.8	26.2	15.0	14.1	13.0	11.8	11.0	11.6	95	56	70	74	5.5	--	--	--	--	--	1.6							
23	17.8	22.3	18.8	19.4	23.0	16.7	16.0	14.4	14.1	13.7	14.1	94	70	85	83	6.0	22.7	--	1.0	1.0	1.2								
24	17.2	25.9	20.0	20.8	27.0	16.0	15.5	13.7	12.5	11.4	12.5	93	50	65	69	4.7	1.0	--	--	--	--	1.6							
25	18.2	26.3	19.8	21.0	27.3	17.0	16.1	14.9	12.4	13.9	13.7	95	48	80	74	6.2	--	--	--	--	--	1.6							
26	19.0	26.0	19.4	21.0	26.3	17.4	16.1	14.7	14.1	15.2	14.7	96	56	80	80	6.5	--	--	--	--	--	1.6							
27	17.4	23.4	19.4	19.9	24.9	16.0	15.1	14.2	12.0	15.2	13.8	96	55	90	80	5.9	--	--	--	--	--	1.4							
28	18.0	24.0	18.8	19.9	25.4	16.5	16.0	14.1	13.6	14.6	13.1	92	61	90	81	9.6	--	--	--	--	--	1.0							
29	18.0	25.4	19.9	20.8	26.3	16.9	16.0	14.5	11.6	15.6	13.9	93	48	90	77	7.6	--	--	--	--	--	1.4							
30	17.0	25.0	18.4	19.7	26.6	15.0	14.2	13.4	11.9	13.7	13.0	92	50	86	76	2.3	--	--	--	--	--	1.2							
31	17.3	25.0	18.0	19.6	26.0	16.5	16.0	13.4	11.4	13.8	12.9	91	48	90	76	9.1	--	--	--	--	--	1.6							
Med	17.4	24.1	18.3	19.5	25.3	15.9	15.2	13.9	12.9	13.8	13.5	93	59	88	80	5.8	2.4	0.4	1.6	4.4	1.1								

Precipitación total = 137.9 mm.

DATOS DIARIOS

Estación Cochipaya Mes Junio Año 1969 $\phi = 4^{\circ} 45' N$ $\lambda = 79^{\circ} 29' WGR$ Altura 1.250 M.

Días	TEMPERATURAS						TENSIÓN DEL VAPOR						Humedad Relativa %			NUBOSIDAD		Brillo Solar Horas	PRECIPITACION mm			VIENTOS						
	Med.		Máx.	Min.	Mínima Secda	mm		Med.		7	14	20	7	14	20	Med.	20		Med.	7	14	20	Total	DIREC. Km./Hora	FUERZA Km./Hora	DIREC. Km./Hora	FUERZA Km./Hora	
	7	14				20	7	14	20																			7	14	20
1	18.2	23.8	19.9	21.0	26.3	17.5	16.4	14.0	11.4	13.5	13.0	90	46	78	71	---	---	---	---	---	---	---	---	---	---	---	---	
2	18.0	24.0	18.0	19.5	25.2	17.0	16.2	14.6	11.2	14.5	13.4	94	50	93	79	---	---	---	---	---	---	---	---	---	---	---	---	
3	19.0	24.0	18.1	19.6	24.3	16.2	15.3	13.8	13.5	14.9	14.1	90	60	91	80	---	---	---	---	---	---	---	---	---	---	---	---	
4	17.3	24.0	19.3	20.0	25.3	16.0	15.1	13.4	13.7	15.6	14.9	91	70	94	85	---	---	---	---	---	---	---	---	---	---	---	---	
5	17.4	23.8	18.0	19.3	24.9	15.9	15.0	14.1	11.1	13.1	12.8	95	50	85	71	---	---	---	---	---	---	---	---	---	---	---	---	
6	19.8	24.4	19.4	20.7	26.3	17.3	16.0	16.2	15.2	15.8	15.7	94	66	92	84	---	---	---	---	---	---	---	---	---	---	---	---	
7	18.0	22.0	17.2	18.6	23.4	17.1	16.3	14.5	10.5	14.0	13.0	93	53	95	80	---	---	---	---	---	---	---	---	---	---	---	---	
8	17.3	23.6	18.6	20.0	27.2	14.0	13.3	14.0	14.7	14.4	14.4	95	60	90	82	---	---	---	---	---	---	---	---	---	---	---	---	
9	16.0	27.0	19.2	20.3	27.0	14.7	14.0	13.0	12.2	15.4	13.5	95	45	93	78	---	---	---	---	---	---	---	---	---	---	---	---	
10	18.0	26.0	18.0	20.0	27.0	15.8	15.0	14.9	11.6	13.0	13.2	86	46	84	75	---	---	---	---	---	---	---	---	---	---	---	---	
11	16.2	23.0	17.4	18.5	24.4	14.8	14.0	12.2	12.6	13.0	12.6	94	60	88	81	---	---	---	---	---	---	---	---	---	---	---	---	
12	16.1	22.8	18.0	18.6	24.4	14.1	13.3	12.8	13.4	13.8	13.3	94	66	90	83	---	---	---	---	---	---	---	---	---	---	---	---	
13	17.3	23.4	22.0	21.7	28.3	15.9	15.0	13.4	9.8	10.1	11.1	91	40	51	61	---	---	---	---	---	---	---	---	---	---	---	---	
14	18.0	25.4	20.0	20.8	27.3	16.8	16.0	14.5	12.9	14.4	13.9	93	53	82	76	---	---	---	---	---	---	---	---	---	---	---	---	
15	16.2	24.6	18.2	19.3	25.6	14.4	13.1	12.6	11.7	12.9	12.4	91	50	82	74	---	---	---	---	---	---	---	---	---	---	---	---	
16	16.3	26.8	18.6	20.1	28.0	16.0	15.4	13.1	12.0	14.4	13.2	95	45	90	71	---	---	---	---	---	---	---	---	---	---	---	---	
17	17.0	25.8	18.8	20.1	28.3	15.5	15.0	14.0	11.2	14.6	13.3	96	45	90	77	---	---	---	---	---	---	---	---	---	---	---	---	
18	18.0	25.0	19.9	20.7	26.3	16.9	16.0	14.9	11.4	15.6	14.6	96	56	90	81	---	---	---	---	---	---	---	---	---	---	---	---	
19	19.2	26.0	18.8	20.7	27.0	17.7	17.0	16.1	11.3	14.0	13.8	96	45	86	76	---	---	---	---	---	---	---	---	---	---	---	---	
20	19.0	25.6	20.0	21.2	27.0	17.8	16.8	15.7	12.3	15.9	14.6	95	50	91	79	---	---	---	---	---	---	---	---	---	---	---	---	
21	19.2	23.0	18.4	19.8	25.0	16.5	16.0	16.1	13.1	13.1	14.1	96	62	80	79	---	---	---	---	---	---	---	---	---	---	---	---	
22	18.0	27.0	18.6	20.5	28.0	16.8	16.0	14.7	10.9	13.8	13.1	95	41	86	74	---	---	---	---	---	---	---	---	---	---	---	---	
23	18.0	26.8	19.6	21.0	28.3	17.4	16.5	14.6	11.5	14.5	13.5	94	43	85	74	---	---	---	---	---	---	---	---	---	---	---	---	
24	18.6	23.4	19.0	20.1	26.2	16.0	15.3	13.5	12.3	13.8	13.2	94	60	90	81	---	---	---	---	---	---	---	---	---	---	---	---	
25	17.0	25.4	19.0	20.1	26.2	16.0	15.3	13.5	12.3	13.8	13.2	95	50	84	76	---	---	---	---	---	---	---	---	---	---	---	---	
26	18.0	26.6	21.0	21.6	27.1	17.3	16.1	14.0	11.6	13.0	12.9	91	44	70	68	---	---	---	---	---	---	---	---	---	---	---	---	
27	19.2	22.6	18.4	19.6	24.4	18.0	17.1	16.0	15.4	15.0	15.5	96	74	94	88	---	---	---	---	---	---	---	---	---	---	---	---	
28	17.0	25.3	17.6	19.4	25.4	15.5	14.2	13.8	14.4	13.5	13.9	95	61	90	82	---	---	---	---	---	---	---	---	---	---	---	---	
29	16.2	23.0	17.6	18.6	26.0	15.4	14.2	13.1	16.1	13.5	14.2	95	76	90	87	---	---	---	---	---	---	---	---	---	---	---	---	
30	17.4	24.0	18.0	19.4	24.3	16.9	16.0	14.2	12.0	14.1	13.4	95	53	92	80	---	---	---	---	---	---	---	---	---	---	---	---	
31	17.7	24.8	18.8	20.0	26.1	16.2	15.4	14.2	12.6	14.1	13.6	94	54	86	78	---	---	---	---	---	---	---	---	---	---	---	---	
Med.	18.3	24.1	18.8	20.1	26.1	16.2	15.4	14.2	12.6	14.1	13.6	94	54	86	78	---	---	---	---	---	---	---	---	---	---	---	---	

Precipitación total : 159.0 mm.

DATOS DIARIOS

Estación Cachipay Mes Agosto Año 1969 ϕ 40° 45' N λ 74° 29' WGR Altura 1.250 M.

Días	TEMPERATURA °C					TENSION DEL VAPOR					Humedad Relativa %			Brillo Solar Horas	PRECIPITACION m m			EVAPORACION m m			VIENTOS									
	7	14	20	Med.	Máx. Mín.	Mínima Suelo	7	14	20	Med.	7	14	20		Med.	7	14	20	Total	7	14	20	Direc. Fuerza Km./Hora	Direc. Fuerza Km./Hora	7	14	20	Direc. Fuerza Km./Hora	Direc. Fuerza Km./Hora	
																														7
1	18.1	23.9	20.0	20.6	25.0	16.8	15.1	15.6	16.4	15.7	95	70	94	87	2.2	--	--	--	--	--	2.4	--	--	--	--	--	--	--	--	
2	18.3	24.7	20.4	21.0	26.3	16.8	15.1	14.0	15.3	14.8	96	60	85	80	1.1	--	--	0.1	--	--	2.0	--	--	--	--	--	--	--	--	
3	17.5	26.2	19.9	20.9	26.0	17.0	14.4	10.6	14.8	13.3	96	42	86	73	5.6	0.1	--	--	--	--	2.0	--	--	--	--	--	--	--	--	
4	17.8	26.6	18.8	20.5	27.5	17.5	14.7	10.4	13.1	12.7	96	40	80	72	5.4	--	--	--	--	--	1.4	--	--	--	--	--	--	--	--	
5	17.6	26.7	20.0	21.1	26.3	16.0	14.4	11.5	15.3	13.7	95	42	88	75	3.3	--	--	--	--	--	1.4	--	--	--	--	--	--	--	--	
6	16.2	22.0	18.1	18.6	26.0	15.4	14.0	13.4	15.8	14.7	14.6	97	80	95	91	2.6	--	--	--	--	--	1.8	--	--	--	--	--	--	--	--
7	17.4	25.8	17.8	19.7	26.0	16.5	14.2	11.4	13.7	13.1	96	46	90	77	1.8	--	--	--	--	--	1.8	--	--	--	--	--	--	--	--	
8	16.0	24.9	19.4	19.9	25.8	17.2	12.4	11.2	15.2	12.9	91	48	90	76	3.0	--	--	--	--	--	1.4	--	--	--	--	--	--	--	--	
9	18.0	25.0	18.0	19.8	25.5	17.9	14.7	11.9	14.7	13.8	95	90	95	80	2.0	--	--	--	--	--	1.4	--	--	--	--	--	--	--	--	
10	18.8	26.4	18.0	20.3	27.5	17.1	16.5	15.7	13.0	14.8	14.5	96	90	94	80	5.8	--	--	--	--	--	1.6	--	--	--	--	--	--	--	--
11	19.6	27.2	16.0	19.7	28.5	17.3	16.5	15.4	9.7	11.7	12.3	90	36	86	71	4.3	--	--	--	--	--	1.8	--	--	--	--	--	--	--	--
12	16.7	26.8	19.0	20.4	27.3	17.0	14.0	13.6	13.5	13.8	13.6	95	51	84	77	4.5	--	--	--	--	--	1.6	--	--	--	--	--	--	--	--
13	18.0	25.1	20.0	20.8	26.6	17.0	16.5	14.9	13.1	14.7	14.2	96	55	84	78	3.2	--	--	--	--	--	1.6	--	--	--	--	--	--	--	--
14	18.4	26.4	20.0	21.2	28.1	16.0	15.1	15.2	13.9	13.1	14.1	95	54	75	75	3.6	--	--	--	--	--	1.6	--	--	--	--	--	--	--	--
15	17.4	22.0	19.6	19.6	25.0	14.9	13.5	14.2	14.9	14.5	14.5	96	75	86	86	2.8	--	--	--	--	--	2.0	--	--	--	--	--	--	--	--
16	18.0	24.2	18.6	19.8	26.2	16.3	15.2	15.6	11.6	11.2	12.8	100	51	70	74	7.4	--	--	--	--	--	1.8	--	--	--	--	--	--	--	--
17	19.0	26.2	20.0	21.3	26.3	17.7	17.0	15.9	12.8	9.6	12.8	96	50	55	67	6.5	--	--	--	--	--	2.0	--	--	--	--	--	--	--	--
18	19.0	26.3	20.2	21.4	27.9	18.1	17.3	15.7	12.8	15.9	14.8	95	50	84	76	3.8	--	--	1.2	--	--	2.0	--	--	--	--	--	--	--	--
19	19.6	26.8	20.0	21.6	28.5	18.0	17.0	15.4	14.0	15.6	15.0	90	53	90	78	4.8	--	--	1.2	--	--	2.0	--	--	--	--	--	--	--	--
20	17.8	27.0	19.8	21.1	20.5	17.4	16.0	14.7	10.9	15.6	13.7	96	41	90	76	5.4	--	--	7.9	--	--	1.0	--	--	--	--	--	--	--	--
21	18.5	24.9	19.0	20.4	27.0	17.8	16.0	15.6	12.0	15.9	14.4	96	51	96	81	3.2	--	--	--	--	--	1.2	--	--	--	--	--	--	--	--
22	15.6	26.1	20.0	20.6	27.9	15.1	14.2	13.0	13.9	15.8	14.2	98	52	90	80	6.8	--	--	--	--	--	1.2	--	--	--	--	--	--	--	--
23	16.0	26.1	18.6	19.8	27.0	15.0	14.1	13.1	12.7	14.5	13.4	96	50	91	79	6.0	--	--	--	--	--	1.8	--	--	--	--	--	--	--	--
24	19.0	24.9	18.6	20.3	26.1	17.2	16.5	14.8	12.6	15.2	14.2	90	53	94	79	3.1	--	--	--	--	--	1.8	--	--	--	--	--	--	--	--
25	18.0	27.0	19.3	20.9	27.0	17.3	16.3	14.9	10.9	15.0	13.8	96	41	94	77	3.1	--	--	7.9	--	--	1.0	--	--	--	--	--	--	--	--
26	17.6	25.8	18.1	19.9	26.5	17.1	16.5	15.2	12.5	15.6	14.4	100	50	94	81	1.7	2.0	--	--	--	--	1.8	--	--	2.0	1.8	--	--	--	--
27	17.6	24.8	19.0	20.1	25.5	16.0	15.2	14.5	14.0	15.7	14.7	96	60	95	84	0.9	--	--	--	--	--	1.4	--	--	--	--	--	--	--	--
28	18.0	26.0	18.4	20.2	26.5	16.8	16.0	14.9	13.4	14.2	14.2	96	53	90	80	4.5	21.5	--	--	--	--	1.8	--	--	14.0	--	--	--	--	--
29	18.0	26.9	19.8	21.1	28.0	16.4	15.1	14.9	11.5	14.8	13.7	96	43	86	75	5.3	2.5	--	--	--	--	1.4	--	--	--	--	--	--	--	--
30	18.0	23.0	18.8	19.6	25.0	17.1	16.3	14.7	14.8	15.7	15.1	95	70	96	87	3.8	0.5	--	--	--	--	1.6	--	--	--	--	--	--	--	--
31	18.2	24.9	19.8	20.7	25.6	17.0	15.8	14.5	14.0	16.0	14.8	93	60	93	82	3.1	--	--	--	--	--	1.6	--	--	--	--	--	--	--	--
Med.	17.9	25.5	19.1	20.4	26.8	16.7	15.8	14.7	12.7	14.6	14.0	95	92	88	76	3.8	0.9	0.7	0.3	2.0	1.6	1.6	--	--	0.3	2.0	1.6	--	--	--

Precipitación total : 60.7

DATOS DIARIOS

Estación caonipay Mes septiembre Año 1969 $\phi = 4^{\circ} 45' N$ $\lambda = 74^{\circ} 29' WGR$ Altura 1.250 M.

Días	TEMPERATURAS °C						TENSIÓN DEL VAPOR m m						Humedad Relativa %			Nubosidad Decimas	Brillo Solar Horas	PRECIPITACION m m			EVAPORACION m m	VIENTOS					
	7	14	20	Med.	Máx.	Mín.	Mínima Suelo	7	14	20	Med.	7	14	20	Med.			7	14	20		Total	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	
																											7	14	20	Total
1	16.6	23.4	19.0	20.0	27.4	15.5	14.5	13.2	13.2	15.2	13.9	93	54	93	80	7.0											
2	17.0	25.2	18.6	19.4	28.5	14.5	14.0	12.3	14.4	15.4	14.0	96	61	94	84	8.9											
3	17.0	25.6	19.4	20.4	26.0	16.5	16.0	13.2	14.7	16.3	14.7	91	60	96	82	7.5											
4	18.0	27.8	19.0	21.0	26.5	17.0	16.5	13.8	13.7	15.9	14.5	90	48	96	78	10.7											
5	17.8	27.4	19.1	20.8	29.5	16.5	16.0	13.2	14.3	15.2	14.2	87	52	93	77	9.6											
6	16.6	26.2	19.0	20.2	27.5	15.5	14.5	13.2	14.9	15.9	14.7	93	61	96	83	5.8											
7	19.0	25.0	18.6	20.3	27.0	18.0	17.1	16.5	15.4	15.2	15.7	100	85	95	87	6.7											
8	19.0	24.6	19.0	20.4	27.3	17.3	16.5	15.7	13.0	14.8	14.5	95	50	90	78	6.0											
9	17.0	27.1	21.0	21.5	28.0	16.0	15.5	14.0	10.7	13.0	12.6	96	40	90	68	8.5											
10	18.0	26.1	21.0	21.5	27.0	17.4	16.5	13.8	13.6	13.0	12.8	90	46	70	69	4.5											
11	17.0	26.2	19.8	21.2	29.0	16.9	14.0	14.0	11.5	13.5	13.0	96	40	78	71	6.0											
12	17.4	25.9	18.0	19.8	27.5	16.7	16.0	14.2	11.2	13.0	12.8	96	45	84	75	7.1											
13	14.4	23.4	21.6	21.8	30.0	12.8	11.0	12.4	9.3	11.6	11.1	100	30	60	63	10.1											
14	19.2	26.0	19.4	21.5	29.0	17.3	16.5	11.0	10.3	11.8	11.0	66	36	70	57	7.9											
15	18.0	26.6	19.0	20.6	29.0	17.5	16.8	15.6	15.8	14.8	15.4	100	60	90	83	3.9											
16	18.6	22.8	19.3	20.0	25.4	17.6	17.0	13.5	11.0	13.3	12.6	85	53	80	73	0.8											
17	18.0	22.6	19.6	20.0	25.3	16.0	15.1	14.7	15.1	15.4	15.1	95	73	90	86	2.1											
18	19.0	23.0	19.1	20.0	24.6	17.4	16.5	15.7	13.8	15.7	14.5	95	65	95	85	0.3											
19	18.0	17.2	16.0	16.8	21.0	17.3	16.6	14.3	13.5	13.1	13.6	96	92	96	95	3.0											
20	17.0	22.8	19.0	19.4	24.1	15.0	14.3	14.0	13.8	15.1	14.3	96	66	92	85	3.9											
21	15.0	23.6	18.0	18.6	24.8	13.8	13.0	12.8	14.4	14.1	13.8	100	65	92	86	3.1											
22	15.0	25.0	19.0	19.5	26.0	13.6	13.0	12.8	12.6	13.9	13.1	100	53	85	79	3.2											
23	17.4	26.4	19.0	20.4	27.3	14.6	13.8	14.2	13.7	15.7	14.5	95	53	81	75	5.1											
24	17.6	24.4	18.0	19.5	26.0	16.8	16.0	14.5	15.2	14.7	14.8	96	66	95	86	1.0											
25	17.1	22.4	18.4	19.1	24.6	14.8	14.0	13.5	14.9	14.5	14.3	93	73	92	86	3.1											
26	17.6	24.4	18.0	19.5	25.4	16.3	15.1	15.2	12.2	13.8	13.7	100	52	90	81	2.1											
27	18.0	22.6	17.3	18.8	24.8	16.2	15.0	15.6	17.0	12.7	15.1	100	83	87	90	2.9											
28	17.0	25.0	19.5	20.2	26.2	16.0	15.3	14.6	14.2	16.2	15.0	100	60	95	85	4.2											
29	18.4	23.6	19.8	20.4	25.0	18.0	17.1	13.7	15.4	15.6	14.9	86	70	90	82	3.7											
30	18.4	22.0	19.3	19.8	25.0	16.9	16.0	15.6	16.6	15.9	16.0	98	83	95	92	1.7											
31																											
Med.	17.4	24.9	19.0	20.1	26.6	16.1	15.3	14.0	13.6	14.5	14.0	94	58	88	80	4.9											

Precipitación total : 135.2 m.m.

DATOS DIARIOS

Estación caospay Mes Octubre Año 1969 $\phi = 4^{\circ} 45' N$ $\lambda = 74^{\circ} 29' W$ Altura 1.250 M.

Días	TEMPERATURAS °C						TENSION DEL VAPOR mm						Humedad Relativa %			Nubosidad Decimos		Brillo Solar Horas		PRECIPITACION mm			EVAPORACION mm			VIENTOS								
	7	14	20	Med.	Máx.	Mín.	7	14	20	Med.	7	14	20	Med.	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20		
1	18.0	21.2	18.0	18.8	23.0	16.5	13.8	17.5	14.9	15.4	90	93	96	93	0.4	41.6	6.2	2.2	10.1	0.4														
2	18.6	22.6	18.4	19.5	24.2	17.0	16.0	15.8	16.4	16.0	16.1	98	80	100	93	4.6	1.7	—	13.7	17.4	1.0													
3	17.0	25.5	20.3	20.8	26.2	16.0	15.5	14.6	13.0	14.6	14.1	100	53	82	78	5.0	3.7	—	—	9.2	2.6													
4	18.6	21.2	19.4	19.4	23.5	17.5	16.8	15.5	16.9	16.3	16.2	96	90	96	94	2.1	9.2	10.8	—	18.0	0.8													
5	18.6	22.3	18.6	19.5	23.4	15.5	16.5	16.1	14.7	14.4	15.1	100	73	90	88	3.7	7.6	7.2	—	5.6	0.8													
6	18.0	21.6	17.3	18.6	22.5	15.8	14.8	15.6	15.4	14.0	15.0	100	80	95	82	4.9	3.1	9.4	16.1	29.6	1.8													
7	18.0	22.3	19.6	19.7	25.0	17.0	16.0	14.2	14.7	16.5	15.1	96	73	96	88	—	0.1	0.1	—	9.7	1.0													
8	17.8	22.0	18.0	19.0	25.0	16.5	15.3	15.4	12.8	15.6	14.6	100	65	100	88	2.2	9.6	—	2.4	12.2	1.6													
9	17.6	25.0	18.3	19.8	26.0	17.0	16.0	14.2	14.2	15.1	14.5	94	60	96	83	5.3	9.8	—	—	10.3	1.4													
10	16.8	26.0	18.6	20.0	27.0	15.8	15.0	13.8	12.7	15.2	13.9	96	50	96	80	5.4	10.3	0.3	—	10.0	2.0													
11	17.6	23.4	18.0	19.2	25.0	16.6	16.0	14.2	12.9	14.1	13.7	94	60	92	82	2.1	9.7	0.4	—	0.7	2.0													
12	17.4	25.0	17.8	19.5	25.4	15.0	16.0	14.2	15.0	13.7	14.3	96	63	96	83	6.0	0.3	3.5	—	3.9	1.0													
13	18.2	24.6	18.1	19.8	25.4	16.6	16.0	15.8	13.9	14.7	14.8	100	60	95	85	4.6	0.4	—	—	—	1.6													
14	18.0	20.6	18.0	18.6	21.9	16.8	16.0	14.9	16.2	15.6	15.6	96	90	100	95	—	—	0.7	54.9	61.6	0.8													
15	17.2	20.6	17.6	18.2	21.0	15.8	15.0	14.8	12.7	15.3	14.3	100	70	100	90	1.3	6.0	—	—	—	0.6													
16	16.4	24.8	18.1	19.4	25.0	16.0	15.0	13.4	14.7	13.8	14.0	96	63	96	83	6.5	—	—	—	—	—													
17	17.8	21.4	18.0	19.3	24.0	16.5	15.5	14.0	13.6	14.9	14.3	94	64	96	85	5.2	—	—	—	—	—													
18	18.0	24.0	17.6	19.3	24.0	17.3	16.5	14.6	13.5	14.5	14.2	94	60	96	83	7.5	—	—	—	—	—													
19	16.6	23.8	18.6	19.4	25.5	16.0	15.5	13.5	13.1	14.1	12.9	95	50	98	78	7.4	—	—	—	—	—													
20	14.0	25.2	18.0	18.8	26.5	13.8	12.5	11.7	10.7	13.8	12.1	95	45	90	77	7.8	—	—	—	—	—													
21	16.6	20.0	15.8	17.0	22.5	15.5	14.5	13.0	15.8	12.9	13.9	93	90	96	93	2.6	—	—	—	—	—													
22	15.0	22.4	18.4	18.6	24.5	14.0	13.5	11.8	12.8	13.8	12.8	90	63	90	81	4.1	5.3	1.1	—	13.8	1.4													
23	16.0	18.4	16.0	16.6	21.0	14.8	14.0	13.7	13.7	13.1	12.8	100	73	96	90	1.3	32.7	1.1	—	1.1	0.8													
24	13.6	24.0	18.6	18.7	24.3	13.0	12.4	11.2	14.1	14.7	13.3	96	63	92	84	8.0	—	—	—	—	—													
25	17.0	23.0	18.0	19.0	24.8	16.0	15.1	14.0	14.8	14.9	14.6	96	70	96	87	5.2	0.2	0.7	—	0.2	1.6													
26	18.0	19.8	17.4	18.1	22.0	17.0	16.5	14.9	16.0	13.7	14.9	96	93	100	96	1.6	—	5.1	12.3	17.4	0.6													
27	17.3	21.0	17.0	18.1	22.3	15.5	15.0	14.8	13.0	13.8	13.9	100	70	95	88	1.8	—	2.4	0.1	2.5	0.8													
28	17.4	25.0	18.6	19.9	26.3	15.0	14.3	14.2	11.9	14.4	13.6	95	50	90	78	8.5	—	—	0.6	0.6	1.8													
29	15.6	24.4	16.8	18.4	25.4	14.5	13.5	11.9	11.5	12.1	11.8	90	50	85	75	4.1	—	—	—	—	—													
30	18.0	24.2	17.8	19.4	24.8	14.6	14.0	14.7	15.3	13.7	14.5	95	66	90	84	6.3	—	—	—	—	—													
Med.	17.2	22.9	18.0	19.4	24.2	15.9	15.2	14.2	14.0	14.5	14.2	96	68	94	86	4.2	5.0	2.0	3.3	9.0	1.3													

Precipitación total : 279.9 mm

DATOS DIARIOS

Altura 1.250 M.

φ = 4° 45' N λ = 74° 29' WGR

Mes Noviembre Año 1969

Estación Cuchipay

Días	TEMPERATURAS °C						TENSIÓN DEL VAPOR mm						Humedad Relativa %			Nubosidad DECIMOS	Brillo Solar Horas	PRECIPITACION mm			EVAPORACION mm			VIENTOS					
	7		14		20		7		14		20		7	14	20			7	14	20	Total	7		14		20			
	Med.	Máx.	Mín.	Mínima Suabo	Med.	Máx.	Mín.	Mínima Suabo	Med.	Máx.	Mín.	Mínima Suabo	Med.	Máx.	Mín.			Med.	Máx.	Mín.	Total	DIREC.	FUERZA	DIREC.	FUERZA	DIREC.	FUERZA		
1	17.8	24.4	18.0	19.5	25.0	16.3	15.5	14.6	15.2	14.7	14.8	95	66	95	85	4.7	—	—	—	—	—	—	—	—	—	—			
2	17.0	22.0	18.8	19.2	25.4	16.1	15.5	11.6	12.4	15.7	13.2	80	64	96	80	4.5	—	—	—	—	—	—	—	—	—	—			
3	15.4	26.0	18.4	18.4	27.0	13.7	13.7	12.6	13.6	13.0	13.1	96	54	95	82	9.8	—	—	—	—	—	—	—	—	—	—			
4	14.3	26.3	18.4	19.4	27.0	13.5	12.5	10.9	11.5	13.3	12.6	90	45	96	71	8.8	—	—	—	—	—	—	—	—	—	—			
5	16.0	24.0	17.0	18.5	25.0	15.5	14.5	13.1	13.5	13.8	13.5	96	60	95	84	4.8	—	—	—	—	—	—	—	—	—	—			
6	18.4	22.8	18.8	19.7	23.3	14.9	14.0	15.1	15.3	14.6	15.0	95	73	90	86	4.5	—	—	—	—	—	—	—	—	—	—			
7	16.0	20.6	17.1	17.7	21.0	13.4	12.5	13.1	14.5	13.8	13.8	96	80	95	90	5.0	—	—	—	—	—	—	—	—	—	—			
8	17.6	20.4	16.8	17.9	21.0	15.6	15.0	15.2	14.8	13.8	14.6	100	83	96	93	1.3	28.7	1.7	—	—	—	—	—	—	—	—			
9	16.6	20.0	17.0	17.6	23.6	15.6	12.7	12.8	12.2	14.0	13.0	90	70	96	85	2.2	—	—	—	—	—	—	—	—	—	—			
10	16.1	21.0	16.0	17.3	21.4	14.0	13.0	13.1	13.0	12.8	13.0	96	73	95	88	1.4	—	—	—	—	—	—	—	—	—	—			
11	18.0	23.6	18.3	19.6	24.0	13.5	13.0	14.9	16.0	14.9	15.3	96	63	95	88	6.4	—	—	—	—	—	—	—	—	—	—			
12	16.8	23.0	19.3	19.6	23.6	14.0	13.1	14.1	13.2	14.0	13.8	83	63	95	85	2.5	—	—	—	—	—	—	—	—	—	—			
13	13.3	22.4	17.8	17.8	25.0	11.5	11.0	11.4	12.1	13.7	12.4	100	60	90	83	6.1	—	—	—	—	—	—	—	—	—	—			
14	15.0	26.6	17.8	19.3	27.0	13.5	13.0	12.8	14.4	12.3	13.2	100	55	80	78	7.7	—	—	—	—	—	—	—	—	—	—			
15	17.0	24.6	18.1	19.4	25.4	13.9	13.0	13.1	14.4	14.4	14.0	90	62	96	83	5.2	—	—	—	—	—	—	—	—	—	—			
16	16.0	22.0	16.6	17.8	23.6	14.4	13.5	13.1	15.0	13.6	13.9	96	76	96	89	5.1	—	—	—	—	—	—	—	—	—	—			
17	17.6	23.4	18.0	19.2	25.4	16.0	15.1	14.0	12.9	14.5	13.8	93	60	93	82	4.0	—	—	—	—	—	—	—	—	—	—			
18	17.2	23.4	17.2	18.8	25.0	14.4	13.1	14.4	13.4	14.0	13.9	98	63	95	85	5.3	—	—	—	—	—	—	—	—	—	—			
19	17.0	21.4	17.6	18.4	23.0	15.9	15.0	14.6	15.1	15.2	15.0	100	80	100	93	2.8	5.2	—	—	—	—	—	—	—	—	—			
20	17.2	22.6	18.0	19.0	23.6	15.0	14.0	14.0	15.5	13.8	14.4	95	75	90	87	2.0	28.2	—	—	—	—	—	—	—	—	—			
21	17.2	21.4	17.6	18.4	23.0	15.4	15.0	14.8	17.1	14.0	15.3	100	90	93	94	0.9	—	—	—	—	—	—	—	—	—	—			
22	17.0	20.0	17.6	18.0	23.0	15.3	14.7	13.0	15.8	14.4	14.4	95	90	95	93	0.5	—	—	—	—	—	—	—	—	—	—			
23	17.6	23.0	19.0	19.6	25.4	15.8	15.0	15.2	12.6	15.9	14.6	100	60	86	85	1.2	—	—	—	—	—	—	—	—	—	—			
24	18.0	19.2	17.7	18.2	22.2	17.4	16.0	14.7	15.4	13.0	14.4	95	93	91	8.7	13.3	6.2	—	—	—	—	—	—	—	—	—			
25	16.0	22.4	17.6	18.4	25.0	14.0	13.1	13.8	12.8	12.8	13.1	100	63	85	83	4.8	0.1	—	—	—	—	—	—	—	—	—			
26	13.0	24.2	17.6	18.1	25.5	11.5	11.0	10.7	13.5	12.8	12.3	96	60	85	80	8.8	—	—	—	—	—	—	—	—	—	—			
27	15.4	22.3	18.3	18.6	23.4	12.6	12.0	13.1	15.1	14.0	14.1	100	75	90	88	8.2	—	—	—	—	—	—	—	—	—	—			
28	17.0	24.4	18.0	19.4	25.0	15.6	14.1	13.8	15.2	14.7	14.6	95	66	95	85	2.9	—	—	—	—	—	—	—	—	—	—			
29	18.0	22.0	17.5	18.8	24.2	14.6	13.1	14.6	13.8	14.1	14.2	84	70	94	86	9.1	—	—	—	—	—	—	—	—	—	—			
30	16.0	26.0	19.0	20.0	27.3	13.6	13.0	13.7	12.7	11.5	12.6	100	90	75	75	4.2	—	—	—	—	—	—	—	—	—	—			
31																													
Med.	16.5	22.8	17.7	18.7	24.3	14.6	13.6	13.5	14.1	14.0	13.9	96	68	92	85	4.5	2.5	3.2	1.0	6.7	1.2	—	—	—	—	—			

Precipitación total = 201.2 mm.

DATOS DIARIOS

Estación CAOBISPAY Mes Diciembre Año 1969 $\phi = 45^{\circ} 45' N$ $\lambda = 74^{\circ} 29' WGR$ Altura 1.250 M.

Días	TEMPERATURAS °C					TENSION DEL VAPOR mm m.					Humedad Relativa %			Brillo Sol Horas	PRECIPITACION mm				VIENTOS							
	7	14	20	Med.	Max. Min.	Mínima -Subto	7	14	20	Med.	7	14	20		Med.	7	14	20	Total	7	14	20	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	
																										DIREC. FUERZA
1	16.4	22.8	18.8	19.2	25.0	14.4	14.0	14.0	14.9	15.9	14.9	15.0	76	82	89	—	—	—	—	—	—	—	—	—	—	
2	16.6	24.2	18.6	19.5	24.9	14.5	13.5	14.3	14.5	14.3	14.5	14.4	100	83	86	—	—	—	—	—	—	—	—	—	—	
3	18.2	21.0	16.0	17.8	22.2	16.6	15.4	15.6	15.4	13.0	14.7	98	82	93	—	—	—	—	—	—	—	—	—	—	—	
4	15.0	21.8	19.0	19.2	25.9	13.5	12.5	11.5	14.7	14.8	13.7	90	66	80	—	—	—	—	—	—	—	—	—	—	—	
5	18.0	22.8	18.0	19.2	24.0	13.5	14.5	15.2	12.7	14.9	14.3	98	61	86	—	—	—	—	—	—	—	—	—	—	—	
6	18.6	22.6	16.5	18.6	23.5	15.8	14.0	15.3	15.5	14.8	95	75	96	89	—	—	—	—	—	—	—	—	—	—	—	
7	16.3	21.0	18.3	18.5	24.5	15.5	14.5	11.8	13.0	15.1	13.3	85	70	86	—	—	—	—	—	—	—	—	—	—	—	
8	17.0	26.0	18.0	19.8	26.5	16.0	14.5	14.0	14.3	14.9	14.3	96	86	96	—	—	—	—	—	—	—	—	—	—	—	
9	15.8	23.0	18.4	18.9	26.5	14.5	13.0	13.4	12.6	15.1	13.7	100	60	85	—	—	—	—	—	—	—	—	—	—	—	
10	16.0	22.0	18.8	18.2	25.0	14.7	13.5	15.7	13.8	15.0	14.8	100	70	93	—	—	—	—	—	—	—	—	—	—	—	
11	18.0	20.0	17.3	18.2	23.0	17.0	16.0	15.6	19.4	14.8	16.6	95	100	98	—	—	—	—	—	—	—	—	—	—	—	
12	16.8	22.2	17.4	18.4	23.2	14.0	13.5	14.4	16.6	14.2	15.1	100	83	95	—	—	—	—	—	—	—	—	—	—	—	
13	18.0	19.8	17.7	18.3	22.0	16.0	15.1	15.6	16.2	14.9	15.6	100	94	96	—	—	—	—	—	—	—	—	—	—	—	
14	16.0	21.0	17.6	18.0	24.5	13.4	12.5	13.0	13.0	15.2	13.7	95	70	80	—	—	—	—	—	—	—	—	—	—	—	
15	16.8	25.8	18.0	19.6	26.0	14.9	13.8	14.4	15.7	14.1	14.7	100	63	82	—	—	—	—	—	—	—	—	—	—	—	
16	17.4	23.9	20.0	20.3	26.0	16.0	15.5	14.4	11.2	15.8	13.8	94	80	78	—	—	—	—	—	—	—	—	—	—	—	
17	17.3	22.0	18.1	18.9	25.0	16.5	15.5	14.8	13.9	14.7	13.8	100	60	85	—	—	—	—	—	—	—	—	—	—	—	
18	16.4	24.2	18.8	19.6	26.0	14.7	13.5	14.1	13.5	12.3	13.3	100	60	75	—	—	—	—	—	—	—	—	—	—	—	
19	15.2	26.0	20.0	20.3	28.0	19.8	12.5	13.0	13.4	13.1	13.2	100	53	75	—	—	—	—	—	—	—	—	—	—	—	
20	16.8	24.0	18.8	19.6	27.0	14.8	13.5	14.4	14.9	13.1	14.1	100	66	80	—	—	—	—	—	—	—	—	—	—	—	
21	18.0	25.4	20.2	21.0	26.5	14.6	13.1	14.7	14.6	14.6	14.6	95	60	83	—	—	—	—	—	—	—	—	—	—	—	
22	17.6	23.6	20.2	19.3	24.4	17.0	16.1	14.4	15.4	15.2	15.0	95	70	88	—	—	—	—	—	—	—	—	—	—	—	
23	17.0	23.3	18.0	19.1	25.5	14.7	13.5	14.6	14.2	13.8	14.2	100	66	80	—	—	—	—	—	—	—	—	—	—	—	
24	17.0	24.6	18.0	19.4	26.8	14.7	13.1	13.7	11.1	14.9	13.2	94	56	82	—	—	—	—	—	—	—	—	—	—	—	
25	16.8	24.0	18.0	19.2	25.0	14.0	13.2	13.6	11.2	13.1	12.6	95	80	85	—	—	—	—	—	—	—	—	—	—	—	
26	17.2	24.1	18.3	19.5	25.4	13.6	13.0	14.1	13.5	14.2	14.2	96	60	85	—	—	—	—	—	—	—	—	—	—	—	
27	18.0	19.3	17.6	18.2	26.0	16.0	15.4	15.6	10.0	15.2	13.6	100	60	100	—	—	—	—	—	—	—	—	—	—	—	
28	17.0	23.3	17.8	19.0	25.0	14.0	13.5	11.6	15.0	14.7	13.8	80	70	82	—	—	—	—	—	—	—	—	—	—	—	
29	15.6	26.2	18.0	19.4	27.5	14.3	13.5	13.3	13.5	14.9	13.9	100	53	86	—	—	—	—	—	—	—	—	—	—	—	
30	16.4	27.4	17.6	19.8	28.0	14.1	13.5	12.6	13.5	12.6	13.0	90	50	85	—	—	—	—	—	—	—	—	—	—	—	
31	15.4	24.8	18.8	19.4	27.0	14.0	13.5	13.1	14.0	13.1	13.4	100	60	80	—	—	—	—	—	—	—	—	—	—	—	
Med	16.8	23.4	18.2	19.2	25.3	14.9	13.9	14.1	14.0	14.3	14.1	97	65	92	—	—	—	—	—	—	—	—	—	—	—	

Precepstaedn: total 114.7 m.m.

RESUMEN MENSUAL Y ANUAL

AÑO: 1969

ESTACION: Coahuila

DÍAS LLUVIOSOS	PRECIPITACION			DÍAS LLUVIOSOS	PRECIPITACION	DÍAS LLUVIOSOS	PRECIPITACION	DÍAS LLUVIOSOS	PRECIPITACION	DÍAS LLUVIOSOS	PRECIPITACION	DÍAS LLUVIOSOS	PRECIPITACION	DÍAS LLUVIOSOS	PRECIPITACION	DÍAS LLUVIOSOS	PRECIPITACION	DÍAS LLUVIOSOS	PRECIPITACION															
	7	14	20																	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20
	SUMA																			SUMA			SUMA			SUMA			SUMA			SUMA		
ENERO	15.8	23.8	17.4	18.6	24.7	14.3	27.3	3	13.4	94	54	50	79	35	15.0	8.8	12.5	5.8	1.7	18.1	28.0	75.2	121.8	16	31.2	15								
FEBRERO	16.6	24.2	18.6	19.5	25.4	15.3	29.0	16	13.7	93	56	87	79	40	15.9	10.2	13.2	4.3	1.4	18.8	4.2	33.2	55.6	13	23.4	24								
MARZO	15.9	24.2	18.2	19.1	25.5	14.5	28.1	24	13.7	95	55	89	80	36	15.9	9.5	13.0	3.7	1.5	1.8	26.8	6.0	34.6	10	7.9	25								
ABRIL	16.6	22.6	18.1	18.9	24.4	15.3	27.6	13.3	13.2	94	67	90	84	40	15.4	11.0	13.6	1.0	1.0	152.8	34.4	63.7	251.3	14	72.3	14								
MAYO	17.4	24.1	18.3	19.5	25.3	15.9	27.3	25	15.2	93	59	88	80	40	16.0	9.6	13.5	5.8	1.1	74.5	12.8	51.0	137.9	10	49.0	14								
JUNIO	17.7	24.8	18.8	20.0	26.1	16.2	28.3	14.0	15.4	94	54	86	78	40	16.2	9.8	13.6	1.3	1.3	96.9	2.1	28.3	129.3	12	51.4	21								
JULIO	17.8	25.8	18.9	20.2	27.0	15.7	28.5	28	14.8	94	64	84	74	36	15.6	9.6	12.8	2.5		28.1	23.1	9.5	60.7	8	35.5	27								
AGOSTO	17.9	25.5	19.1	20.4	26.8	16.7	28.5	14.9	15.8	95	52	88	78	36	16.4	9.7	14.0	3.8	1.6	28.1	23.1	9.5	60.7	8	35.5	27								
SEPTIEMBRE	17.4	24.9	19.0	20.1	26.6	16.1	30.0	13	15.3	94	58	88	80	30	17.0	9.3	14.0	4.9	2.0	9.2	62.4	22.0	135.2	12	44.3	19								
OCTUBRE	17.2	22.9	18.0	19.0	24.2	15.9	27.0	11	13.0	96	68	94	86	45	17.5	10.7	14.2	4.2	1.3	154.5	61.4	103.6	279.9	23	61.6	15								
NOVIEMBRE	16.5	22.8	17.7	18.7	24.3	14.6	27.3	30	13.6	96	68	92	85	45	17.1	10.7	13.9	4.5	1.2	75.5	94.8	30.9	203.2	17	35.5	27								
DECIEMBRE	16.8	23.4	18.2	19.2	25.3	14.9	28.5	30	13.4	97	65	92	85	50	19.4	10.0	14.1	1.1		5.2	40.8	68.7	114.7	14	35.4	13								
MEDIA ANUAL	16.9	24.1	18.4	19.4	25.5	15.4	28.1	13.2	14.5	94	58	89	81	39	16.4	9.9	13.5	4.6	1.5	57.9	35.7	44.7	138.4	149	40.7	-								

PRECIPITACION TOTAL: 1,522.2

PRECIPITACION MAXIMA: 72.3 - IV - 14

DÍAS LLUVIOSOS: 149

FRECUENCIA DE PRECIPITACION Y TEMPERATURA

ESTACION: Cochituy

AÑO: 1959

MESES	PRECIPITACION												TEMPERATURA					
	7 HORAS			14 HORAS			20 HORAS			TOTAL			Mínimo	Máximo				
	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Mínimo	Máximo					
ENERO	6	3	1	6	2	1	13	8	4	16	11	9	8	6	1	14	-	11
FEBRERO	9	4	1	3	3	-	8	4	1	13	9	6	2	2	1	3	8	7
MARZO	2	1	-	5	3	1	6	1	-	10	6	3	1	1	-	10	1	8
ABRIL	9	7	3	7	6	1	9	6	3	14	12	10	9	8	4	(1	4)	9
MAYO	6	4	3	4	3	-	5	3	3	10	7	6	5	4	3	1	15	5
JUNIO	8	8	4	3	1	-	2	1	1	12	10	5	4	4	3	1	19	-
JULIO	6	4	1	3	3	1	1	1	-	8	6	4	3	2	1	(	4	8
AGOSTO	5	4	-	7	3	2	3	2	1	12	8	6	4	3	3	-	26	-
SEPTBRE.	18	14	3	2	1	-	9	7	4	23	19	17	15	11	3	1	3	20
OCTUBRE	5	4	3	2	-	-	7	4	1	17	16	15	13	8	3	1	3	17
NOVEMBRE.	3	3	-	8	5	2	11	8	3	14	11	8	5	4	3	-	12	4
DIEMBRE.	(7	5	19	14	1	-	74	45	21	149	115	89	69	53	25	3)	8	8
SUMA ANUAL																(	60	130
																	75	30

FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.

MESES	PRECIPITACION MAS DE 0.1 MM.																								TOTAL
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	
ENERO	4	1	1	3	1	1	-	1	2	1	2	1	2	1	2	3	5	5	5	4	2	3	5	4	18
FEBRERO	-	-	1	-	-	-	-	-	1	-	-	1	1	2	3	2	3	2	3	2	3	4	4	-	12
MARZO	-	-	-	-	1	1	1	-	-	-	2	4	3	3	2	2	-	-	1	1	1	-	-	-	10
ABRIL	2	3	3	3	3	5	5	2	-	-	1	5	6	8	5	2	1	1	1	1	-	1	3	3	17
MAYO	2	1	1	1	1	1	1	1	3	2	-	1	3	4	2	2	1	1	1	3	3	3	-	1	8
JUNIO	2	2	4	4	4	3	2	2	1	1	-	-	1	1	-	-	1	1	2	2	1	1	2	1	11
JULIO																									
AGOSTO																									
SEPTBRE.	1	1	1	2	1	3	1	1	2	2	2	3	5	1	1	1	1	1	2	2	1	2	3	2	2)
OCTUBRE	8	10	8	10	11	8	7	5	3	2	4	5	8	5	5	2	3	6	5	3	4	3	7	5	24
NOVEMBRE	1	1	1	2	2	2	3	3	3	4	6	9	6	3	5	3	2	1	1	1	2	3	3	3	18
DIEMBRE.	1	-	-	-	-	-	-	-	1	-	1	1	2	6	5	5	5	6	3	1	2	2	1	1	14
SUMA ANUAL	21	19	18	25	23	24	20	15	16	14	14	25	36	31	34	25	23	24	24	20	19	22	29	21	147

RESUMEN DE ALGUNAS CARACTERISTICAS DE LA PRECIPITACION

Año 1-1959

Estación: Cambias

MESES	TOTAL		No. PRECIPITACIONES			CANTIDAD		DURACION			PRECIPITACION MAXIMA					DURACION MAXIMA				
	m. m.	Días	Días	Noche	Total	Total Día	Total Noche	Día	Noche	Total	m. m.	Durac.	Int. Med.	Int. Max. 8/m.	Int. Max. 17/m.	h. min.	m. m.	Int. Med.	Int. Max. 6 min.	Int. Max. 1 min. (gotic)
Enero	121.8	16	18	17	35	102.3	19.5	21:55'	14:50'	36:45'	31.2	5:40'	0.09	4.0	0.8	5:40'	31.2	0.09	4.0	0.8
Febrero	55.6	13	15	7	22	37.6	18.0	9:45'	6:35'	16:20'	23.3	4:15'	0.09	5.0	1.0	4:15'	23.3	0.09	5.0	1.0
Marzo	34.6	10	12	1	13	33.3	1.3	8:35'	2:05'	10:40'	13.6	1:40'	0.14	3.3	0.7	2:05'	1.3	0.01	0.2	--
Abril	251.3	14	16	14	30	98.1	153.2	20:10'	23:05'	43:15'	36.3	4:35'	0.13	5.0	1.0	4:35'	36.3	0.13	5.0	1.0
Mayo	137.9	10	13	7	20	63.8	74.1	14:40'	11:25'	26:05'	49.0	2:50'	0.29	4.0	0.8	5:40'	20.2	0.06	4.0	0.8
Junio	129.3	12	8	11	19	30.4	98.9	8:15'	19:05'	27:20'	26.7	2:35'	0.17	2.5	0.5	4:35'	10.2	0.04	1.5	0.3
Julio																				
Agosto																				
Septbre.	135.2	12	12	12	24	84.4	50.8	15:15'	16:10'	31:25'	44.3	5:40'	0.13	6.0	1.2	5:40'	44.3	0.13	6.0	1.2
Octbre.	279.9	23	30	37	67	166.8	113.1	41:30'	52:50'	94:20'	54.9	4:10'	0.22	7.5	1.5	7:15'	33.2	0.08	2.5	0.5
Novbre.	201.2	17	23	8	31	126.0	75.2	31:15'	17:15'	48:30'	35.5	1:15'	0.47	9.0	1.8	7:55'	28.2	0.06	1.7	0.3
Dicbre.	114.7	14	21	4	25	109.5	5.2	25:30'	4:30'	30:00'	26.7	3:15'	0.14	3.0	0.6	3:15'	26.7	0.14	3.0	0.6
TOTALES	1461.5	141	168	118	286	852.2	609.3	196:50'	167:50'	364:40'	341.5	35:55'	xx	xx	xx	50:55'	254.9	xx	xx	xx

DATOS DIARIOS

Estación *Sevilla*

Mes *MAYO*

Año 19 *69*

$\phi = 40^{\circ}17' N$ $\lambda = 75^{\circ}55' WGR$

Altura *1.550 M*

Días	TEMPERATURAS °C					TENSION DEL VAPOR mm					Humedad Relative %				BRILLANTES HORAS	PRECIPITACION mm				VIENTOS									
	7	14	20	Med.	Max.	Min.	Mínima Subo	7	14	20	Med.	7	14	20		Med.	7	14	20	Total	DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora					
	DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora		DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora				
1	16.8	22.3	18.0	18.8	23.0	16.0	15.4	13.8	12.6	9.3	11.9	86	64	60	73	10.0	1.0	58.7	1.9	4.2	6.1	1.0	12	1	12	1			
2	18.0	21.2	17.3	18.4	22.0	16.0	15.1	14.7	13.7	14.1	14.2	95	73	92	88	10.0	1.4	—	0.1	5.5	13.0	0.8	12	1	08	1	16	1	
3	16.0	23.0	19.0	19.2	23.5	15.0	14.1	13.0	12.6	14.1	13.6	95	60	96	84	9.3	3.4	7.2	—	—	0.5	1.2	16	1	02	1	12	1	
4	17.2	21.8	17.0	18.2	23.2	16.2	15.4	14.1	11.8	13.8	13.2	96	60	95	84	9.3	0.8	—	5.5	5.2	60.9	0.8	12	1	02	1	12	1	
5	16.0	23.6	19.3	19.6	24.5	15.5	14.5	13.1	14.0	14.1	13.7	96	64	85	82	8.0	5.8	50.2	—	0.4	0.4	1.2	08	1	08	1	12	1	
6	18.0	25.4	20.0	20.8	26.5	15.5	15.0	13.8	12.3	15.8	14.0	90	50	90	77	7.3	8.9	—	—	0.2	0.2	1.6	12	1	08	1	12	1	
7	19.4	22.0	18.6	19.6	24.0	17.4	16.5	14.4	14.4	14.8	14.5	86	72	93	84	9.3	4.2	—	0.1	2.9	6.1	1.2	12	1	12	1	12	2	
8	16.8	22.8	19.0	19.0	25.0	16.5	15.8	13.5	13.8	14.8	13.2	94	66	80	80	8.0	3.4	3.1	—	—	—	0.6	10	1	12	1	12	1	
9	17.0	18.8	17.0	17.4	21.5	16.5	16.0	14.0	13.4	13.2	13.5	96	83	91	90	10.0	—	—	2.8	3.5	16.8	0.6	10	1	08	2	12	1	
10	16.0	17.2	17.8	17.2	20.0	15.4	14.5	13.1	13.2	12.5	12.9	96	90	86	91	10.0	0.2	10.6	13.7	8.2	19.9	0.6	10	1	10	1	08	2	
11	17.8	25.0	20.4	20.2	26.0	15.7	15.0	12.4	10.8	14.5	12.6	82	48	80	69	6.3	8.3	—	—	—	—	—	—	—	—	—	—	—	—
12	18.5	24.8	19.6	20.6	26.0	17.5	16.0	14.3	12.6	14.6	13.8	90	53	86	76	8.0	6.0	—	—	—	—	—	—	—	—	—	—	—	—
13	18.8	21.8	18.8	19.5	23.3	17.4	16.5	15.4	11.8	16.0	14.4	94	60	98	84	9.3	3.9	—	—	—	—	—	—	—	—	—	—	—	—
14	17.2	19.9	16.6	17.6	21.5	16.8	16.0	14.2	13.9	13.5	13.9	97	80	95	91	10.0	0.1	8.0	3.0	3.0	39.4	0.8	12	1	16	1	08	1	
15	16.0	20.8	18.0	18.2	21.5	15.0	14.3	13.0	14.0	13.4	13.5	95	76	86	86	8.7	1.3	5.4	—	—	—	—	—	—	—	—	—	—	—
16	17.4	21.6	18.8	18.2	22.4	16.4	15.3	14.2	13.4	14.6	14.1	95	70	90	85	8.0	1.9	—	—	—	—	—	—	—	—	—	—	—	—
17	17.6	22.1	18.0	18.0	23.1	16.1	15.5	13.5	13.4	14.6	13.8	90	66	94	83	7.7	3.6	—	—	—	—	—	—	—	—	—	—	—	—
18	18.2	22.6	18.0	19.2	23.5	16.0	15.5	14.2	12.3	14.5	13.7	91	60	93	81	8.0	1.7	—	—	—	—	—	—	—	—	—	—	—	—
19	17.6	22.8	18.8	19.5	24.0	16.1	15.0	14.1	13.0	14.6	13.9	95	63	90	83	8.7	4.8	—	—	—	—	—	—	—	—	—	—	—	—
20	18.0	23.6	18.1	19.4	24.5	15.8	14.5	14.7	13.1	14.3	14.0	95	60	94	83	8.7	5.2	—	—	—	—	—	—	—	—	—	—	—	—
21	18.0	17.8	16.4	17.2	22.8	17.5	17.0	14.7	13.2	13.1	13.8	95	86	96	92	8.7	1.2	1.0	15.4	34.6	50.2	0.6	12	1	12	1	12	1	
22	18.0	22.6	18.8	19.6	24.0	15.4	14.5	13.8	12.3	14.6	13.6	90	60	90	80	8.0	4.0	0.2	—	—	—	—	—	—	—	—	—	—	—
23	17.6	22.4	19.0	19.0	23.4	17.5	16.5	14.6	13.6	12.3	13.5	95	66	75	79	9.3	3.8	0.5	—	—	—	—	—	—	—	—	—	—	—
24	18.0	24.4	20.0	20.6	26.5	16.7	15.5	13.8	13.9	15.0	14.2	90	63	86	79	2.7	9.5	—	—	—	—	—	—	—	—	—	—	—	—
25	19.0	25.0	20.0	21.0	26.0	17.8	17.5	14.8	14.2	15.0	14.7	90	60	86	79	7.3	5.8	—	—	—	—	—	—	—	—	—	—	—	—
26	19.0	21.6	19.0	19.6	22.0	18.5	17.5	15.7	15.4	15.9	15.7	95	80	96	90	10.0	0.5	—	—	—	—	—	—	—	—	—	—	—	—
27	18.0	23.2	20.0	20.3	24.0	17.0	16.0	13.8	15.0	15.0	14.6	90	70	86	82	8.0	1.0	—	—	—	—	—	—	—	—	—	—	—	—
28	18.0	23.6	19.0	19.9	24.5	17.0	16.0	14.7	11.2	14.5	13.5	95	51	88	78	8.0	5.8	—	—	—	—	—	—	—	—	—	—	—	—
29	18.4	22.3	19.6	20.0	23.3	17.4	17.0	14.7	13.4	14.3	14.3	95	66	84	82	8.0	3.4	—	—	—	—	—	—	—	—	—	—	—	—
30	18.0	23.8	20.4	20.6	25.0	17.4	16.0	14.5	14.7	15.4	14.9	93	66	86	82	8.7	6.6	—	—	—	—	—	—	—	—	—	—	—	—
31	18.1	23.0	19.8	20.2	25.0	17.0	16.0	14.7	11.8	13.0	13.2	95	56	75	75	8.7	3.8	—	—	—	—	—	—	—	—	—	—	—	—
Med.	17.7	22.4	18.7	19.4	23.7	16.6	15.6	14.1	13.2	14.2	13.8	93	66	88	82	8.4	3.6	4.5	1.4	4.4	8.7	1.0	—	—	—	—	—	—	—

Presipitación total 370.1 mm.

DATOS DIARIOS

Estación Sevilla.

Mes Junio

Año 1969

φ - 4° 17' N λ - 75° 55' W.G.R.

Altura 1.550 M.

Días	TEMPERATURAS °C						TENSIÓN DEL VAPOR mm						Humedad Relativa %				Horas Brillo Solar	PRECIPITACION mm				EVAPORACION mm	VIENTOS						
	Med.		Max.		Min.		Med.		Med.		Med.		Med.		7			14		20			DIREC. FUERZA Km./Hora		DIREC. FUERZA Km./Hora		DIREC. FUERZA Km./Hora		
	7	14	20	Med.	Max.	Min.	Máxima Seto	7	14	20	Med.	20	Med.	7	14	20		Total	7	14	20		DIREC. FUERZA Km./Hora	DIREC. FUERZA Km./Hora	DIREC. FUERZA Km./Hora				
1	18.0	21.8	18.6	19.2	22.2	16.5	16.0	13.8	11.0	15.1	12.3	90	56	75	74	8.7	4.0	0.5	—	—	1.0	16	1	14	1	10	2		
2	19.0	20.0	18.0	18.8	22.4	16.4	15.1	14.8	13.1	14.7	14.2	90	75	95	87	9.1	3.2	—	4.5	0.1	4.6	0.6	12	1	08	1	16	1	
3	17.6	19.8	16.8	17.8	22.0	16.0	15.5	14.5	14.8	13.6	14.1	96	86	95	92	10.0	—	—	1.5	25.2	12.7	1.2	12	1	14	1	14	1	
4	16.0	21.2	18.1	18.4	22.0	15.8	15.0	13.0	13.5	13.4	13.3	95	72	88	84	8.0	3.1	6.0	—	0.2	2.3	0.5	14	1	16	1	12	1	
5	17.2	20.8	17.8	18.4	22.0	16.2	15.1	14.1	13.8	14.7	14.2	96	74	96	89	8.7	0.2	1.1	9.3	—	9.3	0.6	08	1	14	1	16	1	
6	17.2	24.6	18.8	19.8	25.0	15.9	15.0	14.0	11.1	14.6	13.1	95	90	78	8.7	5.9	—	—	0.2	2.4	1.0	12	1	10	1	10	1	12	1
7	18.0	20.6	18.4	18.8	22.4	16.0	15.1	13.1	13.6	13.7	13.5	95	75	86	82	8.7	1.8	2.2	0.3	0.3	0.6	0.8	12	1	12	1	12	2	
8	17.1	23.4	18.2	20.2	24.5	16.0	15.1	13.8	14.0	14.3	14.0	95	65	80	80	6.0	6.8	—	—	—	—	1.2	12	1	12	1	12	1	
9	18.0	22.0	17.6	18.8	23.0	16.8	15.5	13.8	11.9	13.5	13.1	90	60	90	80	8.0	2.1	—	—	—	—	—	—	—	—	—	—	—	—
10	17.8	23.2	17.0	18.8	23.4	17.0	16.1	14.6	11.8	13.7	13.4	95	56	84	7.1	4.6	—	—	—	8.8	9.8	1.2	12	1	08	1	12	1	
11	16.8	25.2	18.0	18.8	22.1	15.8	15.0	13.6	14.3	13.8	13.9	95	70	90	85	8.7	1.0	—	—	—	0.1	0.1	0.6	16	1	16	1	16	1
12	17.6	22.1	17.4	18.6	22.6	16.5	15.5	14.4	12.4	11.4	12.7	95	64	76	78	8.0	1.0	—	—	—	2.1	2.1	1.2	12	1	12	1	12	1
13	17.6	18.0	17.6	17.7	23.1	15.8	15.0	13.5	13.4	13.5	13.5	90	86	90	89	9.1	5.4	—	4.5	1.5	6.4	1.0	12	1	12	1	12	1	
14	15.4	24.9	17.1	18.0	23.4	14.1	13.5	12.5	11.9	13.7	12.7	95	60	93	83	8.7	5.8	0.4	—	—	—	0.6	12	1	12	1	12	1	
15	17.0	23.4	18.6	19.4	25.0	15.6	14.5	12.1	12.9	13.8	13.0	85	60	86	77	6.0	5.8	—	—	—	—	—	—	—	—	—	—	—	—
16	17.8	24.2	18.0	19.5	25.0	17.0	16.0	14.6	12.7	14.7	14.0	95	56	85	79	8.0	7.2	—	—	—	—	—	—	—	—	—	—	—	—
17	18.0	22.0	18.0	18.6	24.0	15.3	14.6	12.4	13.2	13.6	13.1	91	65	88	81	8.7	4.5	—	—	—	0.1	0.4	1.2	12	1	12	1	16	1
18	17.0	24.6	17.4	18.1	25.5	15.8	15.0	12.1	11.1	14.2	12.5	85	46	95	76	8.0	5.0	0.1	—	—	9.8	10.0	0.6	12	1	14	1	12	2
19	16.8	21.8	18.8	19.0	23.0	16.0	15.4	13.6	12.8	14.1	13.6	95	85	88	83	8.7	3.4	—	—	—	—	—	—	—	—	—	—	—	—
20	16.8	23.0	19.0	19.4	23.6	15.4	14.6	12.1	13.8	14.1	13.3	85	85	84	79	6.7	5.0	—	—	—	—	—	—	—	—	—	—	—	—
21	16.6	21.0	18.8	18.8	23.0	15.9	15.0	13.5	13.0	14.1	13.6	95	70	88	84	9.3	3.0	41.6	0.2	—	—	—	—	—	—	—	—	—	—
22	17.4	20.0	19.4	20.2	25.0	16.0	15.5	13.7	12.4	14.3	13.5	90	55	85	77	8.0	5.6	—	—	—	—	—	—	—	—	—	—	—	—
23	17.6	23.0	19.6	20.0	24.1	17.5	16.5	14.5	11.8	13.4	13.2	96	56	78	77	7.1	5.6	—	—	—	—	—	—	—	—	—	—	—	—
24	18.0	23.6	18.8	19.8	24.5	16.8	15.5	13.1	13.1	13.7	13.3	85	60	85	77	8.7	6.1	—	—	—	—	—	—	—	—	—	—	—	—
25	17.2	23.4	19.0	19.5	24.5	16.5	15.5	14.1	12.5	12.9	13.2	96	60	78	78	8.0	4.1	—	—	—	—	—	—	—	—	—	—	—	—
26	18.2	23.4	19.2	20.0	24.0	17.5	16.5	14.8	11.1	14.7	13.6	94	52	88	78	4.3	8.1	0.2	—	—	—	—	—	—	—	—	—	—	—
27	17.6	18.6	17.0	17.6	20.0	16.8	16.0	14.4	13.2	14.0	14.0	85	90	81	92	10.0	2.8	5.5	4.6	—	—	—	—	—	—	—	—	—	—
28	18.0	22.8	19.0	19.7	23.5	15.5	14.8	13.1	12.0	14.3	12.8	85	58	80	74	8.7	3.2	—	—	—	—	—	—	—	—	—	—	—	—
29	17.2	20.9	19.4	19.5	23.6	15.5	15.0	12.7	12.9	14.3	13.3	86	66	85	79	10.0	0.8	—	—	—	—	—	—	—	—	—	—	—	—
30	17.8	22.8	18.8	19.6	23.5	16.8	15.8	13.7	12.5	14.8	13.5	90	60	87	79	8.0	3.7	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Med.	17.4	22.2	18.3	19.1	23.4	16.2	15.3	13.3	12.8	13.8	13.4	92	64	87	81	8.3	3.9	2.0	1.0	1.7	4.7	1.0	—	—	—	—	—	—	—

Precipitación total 140.1 m.m.

DATOS DIARIOS

Estación Sevilla Mes Julio Año 1969 φ = 4° 17' N λ = 75° 55' W ØR Altura 1.550 M

Table with columns: Dias, TEMPERATURAS (7, 14, 20, Med., Mx., Min., Mínima Suolo), TENSION DEL VAPOR (7, 14, 20, Med.), Humedad Relativa (7, 14, 20, Med.), BRILLO SOLAR (HOURS, HOURS), PRECIPITACION (7, 14, 20, Total) m m, EVAPORACION (7, 14, 20), VIENTOS (7, 14, 20) (DIRECCION, FUERZA, Km/Hora).

Precipitación total 27.7 mm.

DATOS DIARIOS

Estación Sevilla

Mes Septiembre Año 1969

$\phi = 4^{\circ} 17' N$ $\lambda = 75^{\circ} 55' WGR$

Altura 1.550 M.

Días	TEMPERATURAS °C				TENSIÓN DEL VAPOR mm				Humedad Relativa %			Nubes y DENSIDAD			Brillo Solar Horas			PRECIPITACION mm			EVAPORACION mm			VIENTOS					
	7	14	20	Med.	Máx.	Min.	Minima Suolo	7	14	20	Med.	7	14	20	Med.	7	14	20	Med.	7	14	20	7	14	20	7	14	20	
	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA
1	16.2	22.4	16.4	17.8	23.0	16.0	14.5	12.4	12.1	12.6	12.4	90	60	90	80	9.3	4.8	3.7	—	—	—	—	—	—	—	—	—	—	—
2	17.8	24.6	18.0	19.6	25.0	15.6	15.0	14.6	9.4	13.1	12.4	85	40	85	71	8.0	5.6	—	—	—	—	—	—	—	—	—	—	—	—
3	16.1	24.0	19.1	19.7	25.2	15.0	14.5	13.1	10.0	11.7	11.6	95	45	70	67	9.6	—	—	—	—	—	—	—	—	—	—	—	—	—
4	18.0	24.2	18.6	19.8	25.6	15.8	15.0	15.6	12.6	12.1	13.4	100	55	75	77	7.1	8.2	—	—	—	—	—	—	—	—	—	—	—	—
5	17.2	26.0	20.0	20.8	27.0	15.4	14.6	13.2	11.3	12.2	12.2	90	45	70	68	7.1	8.8	—	—	—	—	—	—	—	—	—	—	—	—
6	18.0	22.6	17.8	18.0	24.0	16.4	15.5	13.8	12.0	13.7	13.2	90	58	90	79	8.7	1.5	—	—	—	—	—	—	—	—	—	—	—	—
7	17.4	22.0	17.7	18.7	23.2	16.0	15.4	13.9	11.0	10.6	11.8	93	55	70	73	8.0	4.2	—	—	—	—	—	—	—	—	—	—	—	—
8	17.2	25.0	19.6	20.4	26.0	14.7	14.1	13.2	10.6	12.9	12.2	90	45	75	70	2.0	10.2	—	—	—	—	—	—	—	—	—	—	—	—
9	17.0	25.1	19.3	20.2	27.0	15.2	13.3	11.6	10.6	11.7	11.3	80	45	70	65	3.0	9.5	—	—	—	—	—	—	—	—	—	—	—	—
10	17.4	24.4	20.0	20.4	26.1	16.1	15.4	14.2	13.7	13.7	13.9	95	60	78	8.0	3.7	—	—	—	—	—	—	—	—	—	—	—	—	—
11	18.0	26.2	20.0	20.8	27.5	16.8	16.0	14.7	12.8	9.6	12.4	95	50	55	67	8.7	7.7	—	—	—	—	—	—	—	—	—	—	—	—
12	18.2	25.0	20.0	20.8	27.0	15.5	14.6	14.5	14.2	14.1	14.3	93	60	80	78	8.0	4.8	—	—	—	—	—	—	—	—	—	—	—	—
13	19.3	28.4	20.0	21.9	29.5	16.0	14.5	14.8	7.5	11.7	11.3	88	26	67	60	1.7	10.6	—	—	—	—	—	—	—	—	—	—	—	—
14	18.8	27.6	21.0	22.1	28.5	16.0	14.9	15.5	11.1	12.3	13.0	95	40	66	67	5.7	9.7	—	—	—	—	—	—	—	—	—	—	—	—
15	18.0	24.0	19.6	20.3	25.0	17.4	15.5	13.8	13.5	14.0	13.8	90	60	82	77	6.7	3.7	—	—	—	—	—	—	—	—	—	—	—	—
16	18.2	24.0	17.4	19.2	25.0	16.5	15.0	14.5	13.5	14.2	14.1	93	60	90	81	9.3	1.8	—	—	—	—	—	—	—	—	—	—	—	—
17	17.0	23.2	16.8	18.4	24.0	15.5	15.0	14.0	12.8	13.6	13.5	96	60	95	84	9.3	3.0	—	—	—	—	—	—	—	—	—	—	—	—
18	15.8	21.6	17.0	17.8	24.0	15.5	15.0	14.0	12.8	13.2	13.6	97	72	94	88	10.0	0.7	16.1	0.3	2.9	5.5	0.6	10	1	0.8	2	1.6	1	1
19	16.4	17.4	16.0	16.4	19.5	16.0	15.3	13.4	13.3	12.7	13.1	96	90	93	93	10.0	—	—	—	—	—	—	—	—	—	—	—	—	—
20	16.0	21.6	18.0	18.4	22.9	15.5	15.0	13.1	14.5	14.0	13.9	96	75	91	87	10.0	2.7	—	—	—	—	—	—	—	—	—	—	—	—
21	17.0	23.0	17.8	18.9	23.0	15.6	15.0	13.7	13.2	12.8	13.2	94	63	83	80	10.0	3.6	0.4	—	—	—	—	—	—	—	—	—	—	—
22	17.0	21.9	17.0	18.2	24.0	16.6	16.0	13.1	12.4	13.5	13.0	90	64	93	82	9.1	3.0	—	—	—	—	—	—	—	—	—	—	—	—
23	17.0	22.0	19.0	19.2	23.6	15.5	15.0	13.5	11.9	12.9	12.8	93	60	76	77	8.7	4.2	—	—	—	—	—	—	—	—	—	—	—	—
24	16.0	18.2	15.2	16.2	22.4	15.4	14.5	12.7	12.2	12.0	12.5	93	76	93	88	10.0	2.2	—	—	—	—	—	—	—	—	—	—	—	—
25	14.2	21.9	19.6	18.8	23.0	13.5	13.0	12.2	12.4	14.8	14.0	100	61	75	79	9.1	4.2	—	—	—	—	—	—	—	—	—	—	—	—
26	16.0	20.6	19.2	18.8	22.0	15.5	15.0	13.0	13.1	14.1	13.4	95	72	85	94	9.1	2.2	—	—	—	—	—	—	—	—	—	—	—	—
27	16.8	21.9	18.8	19.1	22.0	16.4	15.3	14.4	14.1	13.6	14.0	100	72	87	86	10.0	1.3	2.2	—	—	—	—	—	—	—	—	—	—	—
28	16.4	21.2	18.4	18.1	23.1	15.1	14.5	13.4	13.4	14.2	13.7	96	64	90	53	8.0	3.5	1.6	—	—	—	—	—	—	—	—	—	—	—
29	15.6	9.0	15.1	16.3	20.0	15.3	14.2	12.8	14.6	12.7	13.4	96	88	98	94	10.0	—	—	—	—	—	—	—	—	—	—	—	—	—
30	16.0	21.8	19.2	19.6	24.5	14.5	14.0	13.7	13.3	13.3	13.4	100	60	80	80	7.1	7.5	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Med.	17.0	23.2	18.4	19.2	24.4	15.7	14.8	13.6	12.4	12.9	13.0	94	59	82	78	8.0	4.7	2.2	0.5	1.0	5.0	1.5	—	—	—	—	—	—	—

Preecipitación total: 149.2 mm.

DATOS DIARIOS

Estación S.E.V.I.L.L.A.

Mes O.o.t.u.b.r.o.

Año 19 69

φ -4° 17' N λ -75° 55' WGR

Altura 1.550 M.

Días	TEMPERATURA °C						TENSION DEL VAPOR m.m.			Humedad Relativa			NUBOSIDAD DECIMOS	Brillo Solar Horas	PRECIPITACION m.m.			EVAPORACION m ³	VIENTOS								
	7	14	20	Med.	Máx.	Mín.	Mínima Scala	7	14	20	Med.	7			14	20	Total		7	14	20	Direc. FUERZA	Direc. FUERZA	Direc. FUERZA	7	14	20
1	16.0	18.0	15.4	16.2	20.0	15.5	15.0	13.7	12.4	12.9	13.0	80	93	0.0	—	39.5	9.7	—	10.6	0.6	12	1	12	1	14	1	
2	15.8	21.6	18.2	18.4	22.5	15.3	14.5	13.2	13.4	14.0	13.5	98	70	86	0.0	1.1	0.9	—	6.7	0.6	12	1	14	1	12	1	
3	16.2	20.4	16.8	17.6	21.5	15.5	15.0	13.3	13.0	13.6	13.3	96	73	88	0.0	0.1	6.7	0.4	5.3	6.2	0.6	12	1	08	1	12	1
4	16.6	19.6	17.2	17.6	21.0	14.5	14.0	13.2	13.7	13.3	13.6	80	94	89	8.7	0.1	0.5	0.3	—	10.7	1.0	16	1	04	1	16	1
5	15.2	18.6	16.2	16.6	19.5	14.8	14.5	12.2	11.2	12.3	12.2	94	70	96	8.7	0.0	10.4	—	—	—	0.4	12	1	12	1	16	1
6	15.8	20.6	17.0	17.6	22.0	14.5	14.0	12.1	11.7	12.7	12.2	90	64	88	8.1	9.3	4.6	—	—	0.2	1.4	12	1	12	2	16	1
7	16.4	23.2	18.2	19.0	24.5	15.0	14.0	13.1	9.6	11.8	11.5	93	45	71	9.1	3.9	0.2	—	—	0.1	2.0	12	1	12	1	16	1
8	16.2	20.8	17.4	18.0	22.0	15.5	15.0	13.3	12.8	14.2	13.4	96	70	93	8.7	0.0	1.8	0.1	0.1	3.3	8.3	0.8	12	1	16	1	
9	16.4	20.2	16.4	17.4	21.5	16.0	15.5	13.7	12.4	13.3	13.3	98	70	95	88	0.0	—	—	4.9	3.6	6.8	10.4	16	1	12	1	
10	17.0	22.6	18.6	19.2	23.0	15.0	14.5	13.1	12.3	14.0	13.1	90	60	87	7.9	9.0	4.8	—	—	—	—	—	—	—	—	—	—
11	18.2	16.8	15.4	16.5	22.0	16.0	15.3	14.9	13.1	13.0	13.7	95	91	100	9.5	9.3	3.8	—	—	14.0	4.5	18.5	0.2	12	1	12	2
12	15.6	21.6	18.2	18.4	24.0	13.5	13.0	12.8	12.2	12.6	12.5	96	63	80	8.0	8.0	6.2	—	—	—	—	—	—	—	—	—	—
13	16.8	19.4	17.0	17.6	22.0	16.5	15.0	13.6	13.5	14.2	13.8	95	80	98	9.1	9.2	1.6	—	—	1.3	0.5	1.8	0.8	12	1	08	1
14	15.2	22.2	17.4	18.1	23.5	13.5	12.5	12.4	14.1	14.0	13.5	96	70	94	8.7	8.7	9.9	—	—	—	0.5	1.4	1.2	12	1	16	1
15	16.8	19.2	16.0	17.0	20.0	15.0	14.4	13.3	13.3	13.3	13.2	98	80	91	8.7	10.0	—	—	0.9	5.2	0.6	26.7	0.6	12	1	12	1
16	15.6	19.2	16.2	17.9	22.0	14.0	13.0	12.8	13.6	13.6	13.1	90	70	96	8.5	6.0	3.7	0.3	20.8	0.7	3.9	2.9	0.2	12	1	16	1
17	16.6	21.8	16.6	18.6	24.0	15.5	14.5	13.2	12.1	13.0	12.8	90	60	84	7.8	8.0	3.9	—	—	—	—	0.1	1.2	12	1	16	1
18	17.2	22.4	18.0	18.6	24.0	15.5	14.5	14.2	13.2	13.5	13.6	90	63	82	7.3	5.2	—	—	—	—	—	—	—	—	—	—	—
19	18.4	23.0	17.0	18.9	24.0	15.5	14.5	14.2	13.9	12.0	12.6	91	54	86	7.7	8.7	3.3	—	—	—	—	—	—	—	—	—	—
20	17.8	23.6	16.4	18.6	24.5	15.5	14.5	13.8	11.9	12.0	12.6	91	54	86	7.7	8.7	3.3	—	—	—	—	—	—	—	—	—	—
21	17.2	24.0	17.4	19.0	25.0	14.5	13.0	13.4	11.2	13.0	12.5	91	50	88	7.6	7.3	6.8	0.1	—	—	—	—	—	—	—	—	—
22	15.4	20.4	17.2	17.6	21.0	14.0	13.5	12.3	14.8	12.3	13.1	94	83	84	8.7	8.7	1.1	40.9	5.2	—	—	—	—	—	—	—	—
23	17.0	23.2	18.6	19.4	23.5	14.5	13.5	12.3	11.8	13.4	12.5	85	56	83	7.5	7.3	8.6	—	—	—	—	—	—	—	—	—	—
24	15.6	18.4	16.3	16.6	20.5	15.1	14.3	13.3	12.8	13.1	13.1	100	80	95	9.2	9.1	9.0	11.6	4.2	—	—	—	—	—	—	—	—
25	17.2	22.6	18.4	19.2	23.5	14.4	14.0	13.3	11.5	14.7	13.7	96	53	91	8.0	8.4	—	—	—	—	—	—	—	—	—	—	—
26	16.4	23.4	18.0	19.0	24.0	14.5	14.0	13.4	11.2	13.0	13.0	91	60	90	8.1	7.3	6.1	—	—	—	—	—	—	—	—	—	—
27	16.4	22.4	18.0	18.7	24.5	15.5	14.5	13.1	12.1	14.3	13.0	93	60	90	8.3	8.4	6.9	—	—	—	—	—	—	—	—	—	—
28	17.2	23.4	20.6	20.4	25.0	16.0	15.5	14.1	12.9	14.8	13.8	96	60	80	7.9	8.3	8.1	—	—	—	—	—	—	—	—	—	—
29	18.6	23.6	17.2	19.1	24.5	16.0	15.0	13.4	13.1	13.9	13.5	83	60	94	7.9	8.0	5.0	—	—	—	—	—	—	—	—	—	—
30	17.8	22.4	18.2	19.1	23.5	16.4	15.5	13.8	16.1	14.5	14.8	91	80	93	8.8	8.0	7.9	—	—	—	—	—	—	—	—	—	—
31	17.4	23.4	18.8	19.6	24.5	16.5	15.4	14.2	12.9	15.0	14.0	86	60	91	8.3	8.0	5.8	—	—	—	—	—	—	—	—	—	—
Med.	16.6	21.4	17.4	18.2	22.7	15.2	14.4	13.2	12.7	13.5	13.1	93	67	91	8.4	8.6	3.5	4.8	1.5	1.9	7.3	0.9	—	—	—	—	—

Precipitación total 25.6 mm.

DATOS DIARIOS

Estación Sevilla Año 19 69 Mes Noviembre. Año 19 69 φ = 48 37' N λ = 752 55' W OR Altura 1.550 M.

Table with columns: Días, TEMPERATURAS (7, 14, 20 Med, Máx, Mín, Mínima Solo), TENSION DEL VAPOR (7, 14, 20 Med, m m), Humedad Relativa (% 7, 14, 20 Med), NUBOSIDAD (DECIMOS, Brillo Solar Horas), PRECIPITACION (7, 14, 20 Total, m m), EVAPORACION (m m), and VIENTOS (7, 14, 20 DIREC, FUERZA, Km/ Hora).

Precipitación total : 209.1 m.m.

D A T O S D I A R I O S

Altura 1.550 M.

☉ = 49° 17' N ☽ = 75° 55' W ØR

Año 19 09

Mes Diciembre

Sevilla

Estación

Días	TEMPERATURAS					TENSIÓN DEL VAPOUR					Humedad Relativa %			Brillo Solar		PRECIPITACION m.m.			EVAPORACION m.m.			VIENTOS													
	7	14	20	Med.	Máx.	Mín.	Mínima Suelo	7	14	20	Med.	7	14	20	Med.	7	14	20	Total	7	14	20	DIREC.	FUERZA	Km. Hora	DIREC.	FUERZA	Km. Hora	DIREC.	FUERZA	Km. Hora				
																																14	20	Med.	
1	17.3	21.0	18.0	19.1	24.0	16.3	15.4	14.0	12.6	13.4	13.3	95	60	87	81	8.7	2.7	—	0.1	0.6	12	1	16	1	12	1									
2	17.0	22.8	18.6	19.2	23.6	15.5	15.0	13.2	11.3	13.5	12.7	91	54	85	77	8.7	6.6	—	0.1	0.7	1.2	12	1	12	1	16	2								
3	16.8	20.6	18.6	18.6	22.0	16.5	16.0	14.4	13.6	12.9	13.6	100	74	80	85	10.0	1.1	0.6	0.5	0.8	12	1	14	1	12	1	16	1							
4	17.2	20.4	17.6	18.2	23.0	15.5	14.5	13.7	15.3	13.8	14.3	93	85	92	90	9.0	1.3	—	0.1	0.1	0.2	0.4	12	1	14	1	12	1	16	1					
5	16.6	18.9	17.6	17.7	21.4	16.0	15.5	13.6	12.7	14.2	13.4	96	78	94	89	9.7	1.8	—	0.1	0.2	0.4	12	1	12	1	12	1	16	1						
6	16.8	21.6	16.4	17.8	23.4	15.5	14.5	13.6	13.4	13.3	13.4	95	70	95	87	10.0	1.1	—	—	4.6	0.6	0.4	12	1	12	1	12	1	16	1					
7	16.4	23.0	17.6	18.6	24.0	15.5	14.5	13.4	12.6	13.3	13.1	96	60	94	83	9.3	5.9	—	—	0.7	0.7	1.2	16	1	12	1	12	1	16	1					
8	17.4	22.0	18.4	19.0	23.4	16.0	15.1	14.2	13.0	14.3	13.8	95	66	90	84	9.3	2.8	—	—	0.6	1.0	1.2	12	1	12	1	12	1	16	1					
9	16.8	21.6	17.4	18.3	22.0	16.0	15.5	14.4	13.4	13.3	13.7	100	70	90	87	9.3	2.5	0.6	—	—	0.6	1.0	1.2	12	1	12	1	12	1	16	1				
10	17.0	24.0	18.0	19.2	24.5	15.5	14.5	13.8	13.5	13.0	13.4	95	60	84	80	8.0	6.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
11	17.4	23.0	18.8	19.5	24.0	16.5	16.0	14.0	12.6	14.0	13.5	94	66	86	80	8.3	4.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
12	16.6	18.8	17.0	17.4	19.6	16.0	15.5	13.5	13.1	13.7	13.4	95	80	94	90	10.0	—	6.8	—	—	—	—	—	—	—	—	—	—	—	—	—				
13	15.8	21.6	17.6	18.2	22.5	15.2	15.0	13.2	14.1	14.0	13.8	91	70	90	84	9.0	4.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
14	17.0	22.2	18.2	18.9	24.4	16.5	15.4	14.5	12.6	14.2	13.3	96	60	75	77	8.3	7.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
15	17.6	23.0	19.4	19.8	24.4	16.5	15.4	14.5	12.6	14.3	13.3	96	60	85	80	8.0	5.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
16	16.1	23.6	19.0	19.4	25.0	14.5	13.1	13.0	13.1	13.9	13.3	95	60	85	80	8.0	5.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
17	17.8	22.6	18.0	19.1	24.0	16.5	15.0	14.7	12.6	14.9	14.1	96	61	96	84	9.3	2.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
18	17.2	22.8	18.0	19.0	23.3	15.8	15.0	14.0	13.8	13.8	13.9	95	66	90	84	10.0	1.7	0.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
19	18.0	24.6	20.0	20.6	25.2	15.5	15.1	13.1	12.6	14.9	13.5	85	54	85	75	7.3	6.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
20	16.8	22.8	17.6	18.7	24.0	16.3	15.4	14.4	11.6	14.6	14.5	100	55	95	83	6.0	4.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
21	17.2	21.4	18.0	18.6	22.3	15.9	14.5	14.1	14.0	14.1	14.1	96	73	92	9.0	1.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
22	16.4	21.0	17.0	17.8	21.3	15.9	15.0	14.1	11.3	11.6	12.3	100	60	81	80	10.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
23	17.0	24.0	20.0	20.8	25.2	15.9	15.0	14.0	13.5	14.0	13.8	96	66	75	77	4.7	7.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
24	17.4	24.8	18.0	19.6	25.0	17.0	16.0	14.2	13.0	14.7	14.0	95	55	95	85	6.7	3.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
25	17.4	23.6	19.1	17.8	25.5	16.0	15.0	14.2	13.0	15.9	13.0	95	50	85	77	7.3	3.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	17.6	23.4	18.8	19.6	24.4	16.5	15.4	14.0	12.9	14.6	13.8	93	60	90	81	8.0	3.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	17.4	23.6	18.2	19.2	23.7	16.3	15.4	15.0	13.8	14.4	14.3	100	65	90	85	8.0	4.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	18.0	23.6	19.1	20.0	25.0	15.5	15.4	14.8	13.8	13.1	14.5	90	60	88	79	6.7	4.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	16.6	24.6	19.4	20.0	25.5	15.5	15.0	14.3	13.1	13.5	13.6	100	56	80	72	6.7	6.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	17.6	23.8	19.8	20.2	25.0	15.0	13.5	14.0	11.8	13.9	13.2	93	53	80	75	6.1	4.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	17.6	24.0	19.8	20.3	25.0	15.7	17.6	13.6	13.0	13.2	13.3	91	58	76	75	4.7	5.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Med.	17.1	22.6	18.4	19.1	23.6	15.8	15.0	13.9	12.9	13.8	13.5	95	63	87	82	8.1	3.8	—	0.3	0.2	0.4	0.9	1.0	—	—	—	—	—	—	—	—	—	—	—	—

Precipitación total : 26.2 mm.

RESUMEN MENSUAL Y ANUAL

ESTACION: Sevilla

AÑO: 1-1969

MES	PRESION ATMOSFERICA SOBRE 600 MM. HG.			TEMPERATURAS EXTREMAS						HUMEDAD RELATIVA %			TENSION DEL VAPOR MM. HG.			PRECIPITACION																
	MEDIA	DA	MAXIMA	MEDIA	DA	MAXIMA	MEDIA	DA	MINIMA	SUBO	MEDIA	DA	MAXIMA	MEDIA	DA	MAXIMA	MEDIA	DA	PRECIPITACION													
																			7	14	20	SUMA										
ENERO				16.7	22.8	18.6	19.2	23.8	15.6	26.5	V	13.8	27	14.7	95	64	85	81	46	16.7	6.5	13.3	8.7	4.2	1.4	118.1	10.5	1.7	130.3	10	43.1	18
FEBRERO				17.0	23.5	18.9	19.6	24.5	16.0	27.0	26	14.0	1	15.1	96	59	87	81	46	16.1	10.6	13.6	9.0	4.0	1.4	3.2	6.2	49.8	59.2	12	27.0	9
MARZO				17.5	24.1	19.3	20.1	25.0	16.6	27.5	6	15.0	14	15.7	95	60	87	80	43	16.5	10.2	14.0	8.0	4.3	1.5	4.9	13.0	70.5	88.4	14	20.1	29
ABRIL				17.3	22.4	18.7	19.3	23.4	16.3	26.3	27	14.5	23	15.5	95	70	92	85	55	16.7	11.3	14.3	8.7	3.1	1.1	305.4	19.1	194.1	571.3	22	115.2	24
MAYO				17.7	22.4	18.7	19.4	23.7	16.6	26.5	6	15.0	V	15.6	93	66	88	82	46	16.0	9.3	13.8	8.4	3.6	1.0	140.4	44.6	137.3	270.1	22	60.9	4
JUNIO				17.4	22.8	18.3	19.1	23.4	16.2	25.5	18	14.1	14	15.3	92	64	87	81	48	14.8	11.0	13.4	8.3	3.9	1.0	58.8	31.1	56.7	140.1	20	41.6	20
JULIO				17.6	24.1	19.5	20.2	25.0	15.9	27.0	V	14.1	24	14.7	87	50	71	69	22	14.8	5.8	12.0	6.9	6.9	1.8	52.2	—	5.5	57.7	7	48.9	30
AGOSTO				16.7	22.9	18.2	19.0	23.9	15.7	26.5	4	14.0	19	14.9	93	55	81	76	45	14.6	9.9	12.5	7.6	4.6	1.4	18.3	9.2	44.2	75.4	18	17.6	17
SEPTIEMBRE				17.0	23.2	18.4	19.2	24.4	15.7	29.5	13	13.5	18	14.8	94	59	82	78	26	15.5	7.5	13.0	8.0	4.7	1.5	67.1	14.6	31.7	149.2	15	41.3	28
OCTUBRE				16.6	21.4	17.4	18.2	22.7	15.2	25.0	V	13.5	V	14.4	93	67	91	84	45	16.1	9.6	13.1	8.6	3.5	0.8	148.8	45.3	56.6	225.6	25	42.3	21
NOVIEMBRE				16.9	22.2	17.9	18.7	23.2	15.8	25.0	23	14.5	13	14.9	94	66	90	83	48	15.8	11.3	13.5	8.7	3.4	0.8	109.5	19.3	95.7	209.1	19	40.1	25
DICIEMBRE				17.1	22.6	18.4	19.1	23.6	15.8	25.5	V	14.4	13	15.0	95	63	87	82	50	15.3	10.9	13.5	8.1	3.8	1.0	10.0	6.0	12.2	28.2	17	6.8	11
MEDIA ANUAL				17.1	22.6	18.5	19.2	23.9	16.0	26.5	—	14.2	—	15.0	94	62	86	80	43	15.7	9.5	13.3	8.2	4.2	1.8	86.4	18.2	62.4	167.0	201	42.1	—

PRECIPITACION TOTAL: 2.004.6

PRECIPITACION MAXIMA: 115.2 - IV - 24

DIAS LLUVIOSOS: 281

FRECUENCIA DE PRECIPITACION Y TEMPERATURA

ESTACION: Sevilla

AÑO: 1.969

MESES	PRECIPITACION														TEMPERATURA							
	7 HORAS				14 HORAS				20 HORAS						TOTAL				Mínimo	Mínimo	Máximo	Máximo
	Mts de:		Mts de:		Mts de:		Mts de:		Mts de:		Mts de:		Mts de:		Mts de:		Mts de:		Mts de:		Mts de:	
ENERO	6	6	3	3	3	2	-	-	4	1	-	-	10	9	6	4	3	3	4	4	8	5
FEBRERO	2	1	-	-	5	1	-	-	8	5	2	1	-	-	12	7	6	3	2	1	4	6
MARZO	6	3	-	-	4	2	-	-	11	9	3	1	-	-	14	11	9	6	3	1	12	8
ABRIL	14	11	6	5	2	11	7	-	22	20	18	16	11	9	4	3	9	7	1	1	9	7
MAYO	11	9	3	2	11	8	2	-	17	11	3	3	4	2	2	15	11	7	4	2	12	6
JUNIO	11	6	1	1	10	7	-	-	12	6	1	1	-	-	20	14	11	6	3	2	1	4
JULIO	4	2	1	1	-	-	-	-	4	1	-	-	-	-	7	3	2	1	1	1	5	1
AGOSTO	10	5	-	-	3	1	-	-	9	6	1	-	-	-	18	11	9	6	1	-	6	3
SEPTBRE.	7	6	2	1	-	-	-	-	14	7	1	-	-	-	15	11	8	7	5	2	5	1
OCTUBRE	17	9	5	3	-	-	-	-	13	7	1	-	-	-	25	20	18	14	9	3	14	-
NOVBRE.	13	9	4	2	-	-	-	-	8	4	-	-	-	-	19	15	14	12	6	4	5	2
DICBRE.	5	2	-	-	-	-	-	-	6	1	-	-	-	-	17	7	3	2	-	-	3	1
SUMA ANUAL	106	69	25	18	4	77	41	-	134	83	19	11	-	201	143	115	88	51	30	6	61	40

FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.

MESES	FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.																								TOTAL
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	
ENERO	3	3	3	3	3	4	4	4	2	2	2	2	-	-	-	1	2	-	1	2	2	1	2	10	
FEBRERO	-	-	1	1	1	1	1	2	1	-	1	2	1	1	1	1	3	3	4	5	1	1	-	13	
MARZO	1	2	1	-	1	1	-	1	1	1	1	1	2	1	2	3	1	9	9	6	4	1	1	16	
ABRIL	7	6	8	7	6	7	5	4	2	2	3	5	6	5	4	7	10	10	9	7	9	7	8	23	
MAYO	5	3	6	6	5	3	5	4	3	1	2	4	3	7	8	7	9	9	6	4	5	5	4	24	
JUNIO	4	4	5	6	3	2	3	2	3	2	3	4	2	6	5	2	6	6	3	3	2	2	2	19	
JULIO	1	2	1	1	1	1	-	-	-	-	-	-	-	-	-	2	1	1	1	1	2	1	1	7	
AGOSTO	2	2	1	2	3	4	1	1	1	-	-	-	1	1	3	3	2	4	5	3	3	1	1	15	
SEPTBRE.	2	3	3	3	3	5	4	3	1	1	1	1	-	2	5	4	4	5	6	4	4	2	3	15	
OCTUBRE	8	7	9	9	10	9	9	4	5	4	4	4	5	4	5	6	9	9	7	7	7	6	5	24	
NOVBRE.	3	2	3	3	8	6	6	5	3	1	2	2	1	1	3	4	7	10	7	6	3	6	2	20	
DICBRE.	2	2	3	2	1	2	2	2	2	1	-	1	1	1	3	2	3	6	3	2	1	1	1	16	
SUMA ANUAL	38	36	44	43	74	46	40	45	22	17	17	26	20	31	37	45	60	72	61	46	41	36	29	31	202

FRECUENCIAS DE: NUBOSIDAD - BRILLO SOLAR - VIENTOS

ESTACION: Sevilla

AÑO: 1.959

MESES	NUBOSIDAD en DECIMOS		BRILLO SOLAR HORAS		Número de días con: VIENTOS																									
	Mínos		Máx		7 HORAS							14 HORAS							20 HORAS											
	06-30	06-00	06-00	06-30	N	N	E	E	S	S	W	W	C	N	N	E	E	S	S	W	W	C	N	N	E	E	S	S	W	W	C
ENERO	-	27	8	-	1	-	1	-	28	1	1	6	-	-	5	-	11	7	2	4	-	-	3	-	23	1	-	-	-	-
FEBRERO	-	19	1	-	-	25	-	3	10	-	10	2	-	-	7	-	9	-	2	2	-	-	2	-	23	-	1	-	-	-
MARZO	1	24	2	1	-	29	-	-	-	-	7	3	1	-	12	-	7	-	-	3	-	-	3	-	24	-	-	-	-	-
ABRIL	2	27	6	1	-	-	-	-	-	-	5	4	-	-	7	1	14	-	-	5	-	-	4	-	22	-	-	-	-	-
MAYO	1	26	5	1	2	-	23	24	-	-	4	-	-	-	7	2	11	6	-	7	-	-	2	1	18	2	-	-	-	-
JUNIO	-	24	4	-	3	-	-	2	-	27	-	3	-	-	-	1	2	20	5	-	3	-	-	2	-	26	-	-	-	-
JULIO	3	16	3	10	2	-	-	-	-	-	3	-	-	-	-	9	-	14	5	-	3	-	-	2	-	25	1	-	-	-
AGOSTO	-	19	1	-	-	-	-	31	-	-	4	-	-	-	4	1	18	3	-	5	-	-	1	-	21	2	1	-	-	-
SEPTIEMBRE	3	21	3	5	2	-	25	1	-	-	9	-	-	-	1	4	1	12	3	-	10	-	-	3	-	17	1	-	-	-
OCTUBRE	-	25	7	-	1	-	-	2	25	-	5	2	1	-	6	1	10	5	-	6	-	-	1	3	-	17	1	-	-	-
NOVIEMBRE	-	27	5	-	-	-	-	2	2	25	-	5	-	-	1	3	7	11	4	-	7	-	-	3	-	21	-	-	-	-
DECIEMBRE	-	22	2	-	1	-	-	1	3	22	4	-	-	-	1	3	7	11	4	-	7	-	-	3	-	21	-	-	-	-
SUMA ANUAL	10	277	7	18	17	-	-	14	10	312	8	4	71	11	3	2	69	15	152	38	4	57	-	-	1	35	1	261	8	2

Frecuencia Horaria del Brillo Solar

MESES	Frecuencia a Pleno Sol														Frecuencia sin Sol													
	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18				
ENERO	7	6	3	2	3	2	3	7	8	9	2	23	16	9	8	11	9	9	8	7	10	14	30					
FEBRERO	1	2	3	1	2	1	2	5	7	7	2	21	14	11	6	6	6	8	4	3	1	7	14	27				
MARZO	4	3	4	2	3	1	2	3	7	8	3	24	12	5	6	6	6	4	2	5	9	10	29					
ABRIL	4	4	2	3	1	2	3	3	6	3	6	25	21	19	15	12	14	13	10	9	9	11	21					
MAYO	2	4	3	-	1	3	6	7	3	3	-	24	18	11	13	13	14	7	2	7	7	16	23					
JUNIO	2	5	3	3	1	4	5	3	7	2	-	23	12	10	6	7	6	5	8	6	6	13	23					
JULIO	1	11	13	10	9	16	13	11	8	8	-	11	5	3	3	2	1	1	2	2	3	4	9					
AGOSTO	-	4	4	2	4	2	3	7	7	9	5	28	13	8	5	6	6	5	2	1	4	7	21					
SEPTIEMBRE	-	2	7	6	5	8	8	7	8	8	4	26	17	9	9	7	9	6	6	5	9	13	20					
OCTUBRE	-	3	4	4	4	4	4	6	5	4	-	28	16	17	12	12	11	13	9	11	12	17	30					
NOVIEMBRE	-	3	5	4	2	1	1	4	4	5	-	24	14	9	7	10	10	9	5	6	12	16	30					
DECIEMBRE	-	1	6	5	1	-	2	2	4	3	-	30	16	9	5	6	6	5	7	5	6	17	31					
SUMA ANUAL	1	37	64	55	38	36	50	67	73	78	36	287	174	120	95	96	100	81	70	65	94	152	294					

RESUMEN DE ALGUNAS CARACTERISTICAS
DE LA PRECIPITACION

MESES	TOTAL			No. PRECIPITACIONES		CANTIDAD			DURACION			PRECIPITACION MAXIMA					DURACION MAXIMA				
	m. m.	Días		Día	Noche	Total	Día	Noche	Total	m. m.	Durac.	Int. Med.	Int. Max. 5/m.	Int. Max. 1/m.	h. min.	m. m.	Int. Med.	Int. Max. 5 min.	Int. Max. 1 min. (relat.)		
Enero	130.3	10	10	12	22	12.3	118.0	7:45'	20:45'	28:30'	52.3	5:45'	0.15	6.0	1.2	6:20'	32.7	0.09	6.5	1.3	
Febrero	59.2	12	14	3	17	56.0	3.2	12:35'	3:45'	16:20'	27.0	1:35'	0.28	10.0	2.0	3:10'	3.0	0.02	1.0	0.2	
Marzo	88.4	14	22	5	27	84.0	4.4	25:30'	4:50'	30:00'	18.2	3:05'	0.10	5.5	1.1	3:05'	18.2	0.10	5.5	1.1	
Abril	571.3	22	46	30	76	213.2	358.1	47:00'	65:15'	112:15'	77.4	13:25'	0.10	4.0	0.8	13:25'	77.4	0.10	4.0	0.8	
Mayo	270.1	22	40	26	66	182.4	87.7	37:35'	31:55'	69:30'	42.3	5:20'	0.13	6.0	1.2	5:25'	33.3	0.10	5.0	1.0	
Junio	140.1	20	26	17	43	82.1	58.0	29:25'	20:50'	50:15'	41.3	2:55'	0.24	5.0	1.0	4:40'	4.4	0.02	0.4	0.1	
Julio	57.7	7	5	5	10	5.6	52.1	3:05'	7:45'	10:50'	48.1	3:20'	0.24	9.5	1.9	3:20'	48.1	0.24	9.5	1.9	
Agosto	75.4	18	18	12	30	53.5	21.9	11:35'	16:20'	27:55'	17.5	3:05'	0.09	4.0	0.8	7:05'	8.2	0.02	2.0	0.4	
Septbre.	149.2	15	19	10	29	46.1	103.1	28:30'	34:10'	62:40'	41.4	11:35'	0.06	4.7	0.9	13:20'	19.0	0.02	0.7	0.1	
Octbre.	225.6	25	37	33	70	104.4	121.2	51:55'	55:55'	107:50'	45.7	6:35'	0.12	6.0	1.2	13:00'	15.8	0.02	0.7	0.1	
Novbre.	209.1	19	30	21	51	112.2	96.9	34:20'	26:35'	60:55'	39.9	2:05'	0.23	7.0	1.4	7:00'	28.5	0.07	2.5	0.5	
Dicbre.	28.2	17	20	9	29	18.3	9.9	14:20'	10:35'	24:55'	6.8	3:00'	0.04	2.8	0.6	3:00'	6.8	0.04	2.8	0.6	
TOTALES	2004.6	201	287	183	470	970.1	1034.5	303:15'	298:40'	601:55'	457.9	61:45'	II	II	II	295.4	II	II	II	II	

DATOS DIARIOS

Estación A 10.114

Mes Enero

Año 1969

$\phi = 4^{\circ} 31' N$ $\lambda = 74^{\circ} 53' WGR$

Altura 1.139 m.

Días	TEMPERATURAS $^{\circ}C$					TENSION DEL VAPOR $m m$					Humedad Relativa %			Nubosidad EN HORAS	PRECIPITACION $m m$			VIENTOS								
	7	14	20	Med.	Máx.	Min.	Mínima Scala	7	14	20	Med.	7	14		20	Med.	7	14	20	Total	7	14	20	DIREC CION FuERZA Km./hora	DIREC CION FuERZA Km./hora	DIREC CION FuERZA Km./hora
1	16.3	21.3	17.6	18.2	24.0	13.7	15.0	13.1	14.0	14.0	13.7	95	74	93	87	10.0	0.3									
2	16.4	24.0	18.8	19.5	21.6	13.6	14.4	13.1	13.5	14.6	13.7	93	60	90	81	9.3	4.3	4.4	4.4	0.4						
3	17.0	26.3	20.6	20.8	27.5	16.0	15.1	14.0	10.8	12.2	12.3	96	42	70	69	9.0	8.7			0.8						
4	17.0	29.0	21.0	22.0	29.3	16.6	15.4	13.5	12.1	13.5	13.0	93	40	73	69	7.1	8.1			0.8						
5	16.4	27.3	21.0	21.4	28.5	16.0	15.4	13.1	12.3	14.0	13.1	93	45	75	71	7.3	8.5			0.6						
6	17.0	26.3	18.4	20.5	30.3	16.4	11.3	13.5	13.2	12.7	9.3	40	81	72	4.3	8.5			0.9							
7	17.6	28.8	18.6	20.9	30.0	16.4	15.0	15.2	7.5	11.9	11.5	100	30	74	68	4.3	10.1			1.8						
8	17.6	28.8	18.6	20.9	30.0	16.4	15.0	15.2	7.5	11.9	11.5	100	30	74	68	4.3	10.1			0.6						
9	16.0	28.1	18.6	20.3	30.0	15.7	14.8	13.1	12.8	14.7	13.5	96	45	92	78	5.7	9.0			0.6						
10	16.4	25.0	18.8	19.8	27.0	16.1	15.3	13.4	12.6	15.4	13.8	96	53	94	81	6.3	1.5			0.4						
11	16.3	21.0	18.0	18.8	22.5	16.0	17.4	15.1	13.5	14.9	14.5	96	73	96	88	10.0				1.1						
12	16.3	21.0	18.0	18.8	22.5	16.0	17.4	15.1	13.5	14.9	14.5	96	73	96	88	10.0				1.1						
13	17.0	25.4	19.4	20.3	26.5	16.0	15.3	14.0	13.6	15.6	14.4	96	56	92	82	6.7	3.2			1.0						
14	17.1	23.4	18.6	19.5	26.0	16.9	16.0	14.0	13.6	15.5	14.4	96	63	95	85	10.0	1.5			1.5						
15	16.3	22.4	18.8	19.1	23.5	16.0	15.1	13.3	14.3	15.7	14.4	96	70	96	87	10.0	0.4			0.3						
16	16.0	26.3	19.1	20.1	27.0	15.4	14.6	13.1	12.8	15.9	13.9	96	50	96	81	8.0	5.9			0.6						
17	16.4	27.8	19.8	21.0	29.0	15.6	15.0	13.4	12.5	14.8	13.6	96	45	86	76	8.0	7.5			0.4						
18	16.6	26.4	19.4	21.0	27.8	17.5	16.5	15.5	13.7	16.5	15.2	96	53	95	81	6.3	2.8			2.3						
19	17.6	23.3	19.8	20.1	24.3	17.4	16.4	14.5	12.8	15.6	14.3	96	60	90	82	2.1	1.8			0.7						
20	16.3	25.4	19.5	20.2	26.0	15.4	14.4	13.5	12.9	15.3	13.9	96	53	90	80	7.0	5.8			1.0						
21	17.8	26.4	18.8	20.4	28.0	16.6	15.5	14.7	11.7	15.4	13.9	96	45	94	78	8.7	6.2			1.6						
22	17.6	27.2	19.1	20.4	28.0	16.5	16.0	14.5	13.3	15.7	13.2	96	41	93	77	9.0	4.9			1.0						
23	18.0	25.4	19.2	20.4	27.0	17.4	16.5	14.9	14.6	13.3	14.3	96	60	80	79	10.0	1.4			1.6						
24	18.4	26.0	19.2	20.7	27.0	16.8	16.0	15.3	14.9	15.0	15.1	96	60	90	82	7.7	4.1			1.0						
25	18.4	27.6	20.0	20.5	29.0	16.8	15.7	15.3	13.9	15.8	15.0	96	50	90	79	9.3	5.4			0.6						
26	18.2	27.6	17.9	20.4	29.0	17.4	16.5	15.1	12.4	13.7	13.7	96	45	90	77	8.0	6.7			1.1						
27	16.0	26.0	19.6	20.3	28.0	15.6	14.8	13.7	12.7	15.7	14.0	100	50	80	77	6.7	7.3			1.6						
28	17.4	28.0	20.3	21.5	28.8	14.9	14.0	14.4	12.8	15.2	14.1	97	45	86	76	4.3	9.0			0.6						
29	17.0	25.4	20.3	20.8	28.0	16.0	15.4	13.8	14.6	14.6	14.3	95	60	82	79	4.7	5.5			0.8						
30	18.8	26.4	20.8	22.2	29.0	16.0	15.4	15.5	13.2	14.7	14.5	95	45	80	73	3.7	7.9			1.4						
31	16.4	28.6	21.4	22.0	29.0	15.8	15.0	13.3	13.6	12.6	13.2	95	41	66	67	3.3	10.1			1.1						
Med.	17.1	26.2	19.4	20.5	27.6	16.2	15.3	14.0	12.7	14.7	13.8	96	51	86	78	7.4	5.7			0.9						

Pr. Apitacada total : 65.6 mm.

DATOS DIARIOS

Estación ALONJA Mes Febrero Año 1969 $\phi = 40^{\circ} 31' N$ $\lambda = 74^{\circ} 53' WGR$ Altura 1.320 M.

Días	TEMPERATURAS °C							TENSIÓN DEL VAPOR mm							Humedad Relativa %						Nubosidad DECIMOS	Brillo Solar Horas	PRECIPITACION mm			VIENTOS		
	Máx.			Mín.			Subs.			Med.			Med.			Med.			7	14			20	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA		
	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20			7	14					20	
	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	Total	7	14	20			
1	16.0	28.6	21.0	21.6	29.9	14.0	13.5	13.1	11.1	14.6	12.9	96	38	78	71	4.7	9.6											
2	18.0	28.8	21.8	22.5	29.5	15.8	15.0	14.7	13.7	15.3	14.6	95	42	78	72	4.0	9.7											
3	16.0	29.2	21.4	22.5	29.0	16.6	16.0	14.9	14.0	16.2	15.0	96	45	85	75	8.7	9.1											
4	18.1	29.0	20.0	18.0	18.5	29.3	17.0	16.4	14.7	15.8	14.9	95	90	96	94	8.3	1.2											
5	17.0	26.4	18.0	19.8	28.0	15.6	15.0	14.0	10.5	14.9	13.1	96	41	96	78	9.0	6.1											
6	17.0	26.8	20.6	21.2	28.5	15.0	14.1	13.8	13.2	15.6	14.2	95	50	86	77	6.0	6.9											
7	18.0	26.0	19.6	20.8	28.1	17.6	16.4	14.7	15.6	15.4	15.2	95	62	90	82	8.0	3.6											
8	18.4	29.3	20.6	21.2	27.5	17.5	17.0	15.1	14.0	16.9	15.3	95	58	96	81	8.7	3.2											
9	17.0	27.0	18.6	20.3	28.3	16.5	16.0	13.6	14.5	15.3	14.5	95	54	95	81	8.3	5.9											
10	17.4	26.0	20.6	21.2	28.0	16.3	15.6	14.6	12.7	15.3	14.2	98	50	85	78	6.7	5.9											
11	18.0	27.3	21.0	21.8	29.1	17.4	16.5	14.9	12.5	15.7	14.4	96	48	85	76	5.0	8.2											
12	18.0	26.2	20.0	21.0	26.9	17.4	16.5	14.7	12.4	14.9	14.0	95	48	85	76	6.7	5.3											
13	18.0	27.8	22.0	22.4	29.0	17.0	16.5	14.7	11.1	15.0	13.6	95	40	76	70	7.0	8.1											
14	17.3	27.8	18.4	20.5	29.0	16.3	15.5	14.1	13.0	15.1	14.3	96	46	95	79	9.3	6.5											
15	18.0	25.6	19.4	20.6	27.0	17.5	17.0	14.9	13.6	16.1	14.9	96	55	95	82	8.7	6.2											
16	18.6	25.4	19.0	20.5	27.0	17.5	17.0	15.5	13.5	15.9	15.0	96	55	96	82	6.3	5.8											
17	17.0	28.0	21.0	21.8	28.4	15.5	15.0	14.0	13.8	19.4	14.4	96	48	83	76	6.0	6.7											
18	18.0	27.4	22.0	22.4	29.0	16.5	15.5	14.9	12.1	15.8	14.3	96	44	80	73	6.7	7.3											
19	18.6	27.3	23.0	23.0	29.5	17.1	16.5	14.8	13.3	14.8	14.3	93	48	70	70	5.1	8.4											
20	18.4	-1.2	22.4	22.6	28.0	17.4	16.5	15.3	-13.5	16.8	15.2	96	50	83	76	9.0	5.6											
21	18.4	28.0	23.2	23.0	31.0	17.3	16.0	15.3	11.3	14.6	13.7	96	40	68	68	4.7	8.3											
22	18.8	28.0	22.0	22.1	29.0	16.9	15.5	15.4	12.8	16.8	15.0	94	45	85	75	1.7	8.0											
23	18.0	27.0	22.6	22.6	29.6	17.3	16.0	14.9	12.2	15.5	14.2	95	45	75	72	1.7	1.3											
24	19.8	22.0	20.0	20.4	27.5	18.0	17.0	16.4	15.0	15.8	15.7	95	76	90	87	9.3	4.8											
25	16.8	24.2	19.8	20.2	25.0	15.4	15.0	13.8	12.8	15.6	14.1	96	56	90	81	9.0	0.2											
26	18.0	28.8	22.2	22.8	29.5	17.3	16.5	14.7	13.8	15.9	14.8	95	46	80	74	6.3	8.6											
27	18.4	28.0	23.0	23.1	29.5	17.0	16.5	15.3	11.3	16.9	14.5	96	40	80	72	1.7	6.5											
28	16.1	29.0	21.6	22.6	29.9	17.3	16.4	14.9	14.1	16.5	15.2	96	46	86	76	5.7	5.7											
29																												
30																												
31																												
Med.	17.9	26.8	20.8	21.6	28.4	16.7	15.9	14.7	13.1	15.6	14.5	96	50	85	77	7.2	6.2											

Precipitación total 64.8 mm

DATOS DIARIOS

Estación Aloala

Mes Marzo

Año 19 69

$\phi = 45^{\circ} 31' N$ $\lambda = 74^{\circ} 53' WGR$

Altura 1.320 M.

Días	TEMPERATURAS °C							TENSIÓN DEL VAPOR mm.			Humedad Relativa %			NUBOSIDAD DEBIDOS BRISAS	Brillo Solar Horas	PRECIPITACION mm.			EVAPORACION mm.	VIENTOS						
	7	14	20	Med.	Max.	Min.	Mínima Suelo	7	14	20	Med.	7	14			20	Total	7		14	20	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA		
																									DIREC. FUERZA	DIREC. FUERZA
1	19.0	27.8	21.8	22.6	28.0	16.5	15.5	13.6	15.9	15.0	94	48	81	74	7.0	4.6	--	--	--	--	--	--	--	--		
2	19.8	23.3	19.8	20.7	24.0	17.5	16.0	15.7	16.3	16.0	91	76	93	87	10.0	--	0.4	--	0.5	0.5	0.4	--	--	--	--	
3	17.3	26.2	21.4	21.6	28.0	16.4	15.5	14.4	16.0	15.5	98	70	81	93	6.9	4.9	--	0.3	--	0.3	0.8	--	--	--	--	
4	18.4	22.4	20.0	20.2	26.0	16.6	15.0	17.7	15.9	16.2	94	88	91	91	9.3	2.4	--	5.1	--	5.1	0.5	--	--	--	--	
5	18.2	27.2	21.4	22.0	29.5	17.4	16.0	15.1	13.0	16.2	96	45	85	75	7.3	4.7	--	--	--	--	0.6	--	--	--	--	
6	18.8	30.0	22.6	23.5	31.6	17.7	16.8	15.0	12.5	16.1	14.5	93	38	78	70	4.7	8.4	1.2	--	1.2	--	--	--	--	--	
7	18.0	29.2	22.8	23.2	31.5	17.6	16.4	15.2	11.0	15.4	13.9	98	36	74	69	5.3	9.1	--	--	1.2	--	--	--	--	--	
8	20.0	29.2	22.6	23.2	30.5	17.0	16.4	14.9	12.2	14.7	13.9	85	40	71	65	5.0	6.5	--	--	0.8	--	--	--	--	--	
9	19.4	31.4	22.0	23.7	32.0	17.3	16.0	15.6	12.7	16.6	15.0	93	38	83	71	6.0	8.7	--	--	0.7	1.3	--	--	--	--	
10	19.4	31.4	22.0	23.7	32.0	17.3	16.0	15.6	12.7	16.6	15.0	93	38	83	71	6.0	8.7	--	--	0.7	1.3	--	--	--	--	
11	18.6	29.5	21.0	22.5	30.0	17.1	16.5	14.8	12.3	16.7	14.6	93	40	90	74	7.3	3.3	--	--	5.7	5.7	1.4	--	--	--	
12	19.0	27.0	20.4	21.7	28.0	17.6	17.0	14.8	14.2	16.0	15.0	90	53	90	78	8.3	4.9	--	--	0.5	0.5	1.6	--	--	--	
13	19.6	24.4	18.9	20.4	26.3	18.0	17.0	16.0	16.1	15.5	15.9	94	70	95	86	8.0	1.0	--	--	0.3	1.3	1.6	0.4	--	--	
14	18.0	28.4	21.8	22.5	29.5	17.3	16.4	14.9	12.3	16.6	14.6	96	42	85	74	5.7	6.6	--	--	--	--	1.8	--	--	--	
15	18.0	29.2	22.4	23.0	31.0	17.3	16.4	14.5	11.6	16.8	14.3	93	36	83	71	5.7	6.7	--	--	--	--	2.2	--	--	--	
16	18.6	29.8	23.0	23.6	32.0	17.5	17.0	15.3	11.3	14.8	13.8	95	36	70	67	3.3	10.8	--	--	--	--	2.0	--	--	--	
17	19.0	29.9	22.0	23.2	32.0	17.7	16.8	14.8	11.9	14.9	13.9	90	38	75	68	6.7	9.1	--	--	--	--	1.5	--	--	--	
18	18.6	28.0	20.6	22.0	29.0	16.5	14.5	14.5	13.2	15.2	14.3	91	46	84	74	8.0	5.8	--	--	--	--	1.0	--	--	--	
19	17.0	29.2	23.4	23.2	30.0	14.0	13.5	14.6	12.2	15.2	14.0	100	40	74	71	7.0	8.4	--	--	--	--	1.4	--	--	--	
20	17.0	30.0	21.6	22.6	31.0	15.4	14.3	14.2	11.5	16.0	13.9	98	36	83	72	7.7	7.1	--	--	--	--	2.6	--	--	--	
21	17.6	24.0	20.4	21.3	27.3	15.7	14.5	14.6	17.0	15.8	15.8	98	76	90	88	9.7	3.8	--	--	--	--	2.0	--	--	--	
22	18.0	26.2	20.8	21.4	28.0	15.9	15.0	14.9	13.8	16.4	15.0	96	54	90	80	9.7	2.9	--	--	0.2	0.2	2.0	--	--	--	
23	18.6	27.6	21.6	22.4	29.0	17.6	15.9	15.8	12.5	16.4	15.2	98	48	85	77	9.3	4.7	--	--	--	--	1.6	--	--	--	
24	18.6	26.0	21.0	21.6	29.4	15.8	15.0	15.8	13.6	14.0	14.5	98	54	74	75	9.3	6.6	--	--	--	--	1.6	--	--	--	
25	18.0	24.6	21.0	21.2	25.4	16.9	16.0	15.2	13.5	16.5	15.7	98	67	89	85	10.0	1.4	--	--	0.2	11.8	14.0	2.0	--	--	--
26	18.0	27.2	20.2	21.4	28.8	16.0	15.3	15.6	13.8	16.3	15.2	100	51	92	81	9.3	5.3	--	--	--	--	1.6	--	--	--	
27	18.4	29.0	20.0	21.8	30.0	16.8	16.0	15.3	15.7	16.9	16.0	96	45	96	79	10.0	5.5	--	--	--	--	2.4	--	--	--	
28	18.8	27.0	21.6	22.2	29.0	18.0	17.5	15.7	13.4	17.0	15.4	96	50	87	78	9.7	3.9	11.2	--	--	0.1	0.1	1.6	--	--	--
29	18.0	28.0	19.6	21.3	28.3	17.6	15.9	18.0	13.8	16.3	16.0	97	48	95	80	9.3	7.3	0.4	--	--	2.2	3.8	1.2	--	--	--
30	17.0	28.0	20.0	21.2	29.0	16.8	16.4	14.2	14.3	16.2	14.9	97	50	93	80	9.3	7.9	--	--	--	--	1.2	--	--	--	
31	18.1	27.2	20.0	21.3	28.0	17.6	17.0	14.7	14.6	16.9	15.4	95	54	96	82	10.0	3.6	--	--	--	--	2.1	2.0	--	--	--
Med.	18.4	27.1	21.2	22.1	29.2	17.0	16.0	14.9	13.7	16.0	14.9	95	50	85	76	7.7	5.6	0.5	0.2	1.1	1.9	1.5	--	--	--	--

Precipitación total 56.6 mm.

DATOS DIARIOS

Estación A. I. O. 1.6 Mes Marzo Año 1969 $\phi = 40^{\circ} 31' N$ $\lambda = 74^{\circ} 53' WGR$ Altura 1.320 M.

Días	TEMPERATURAS				TENSIÓN DEL VAPOR				Humedad Relativa			NUBES DE DIAS	Brillo Solar Horas	PRECIPITACION			EVAPORACION	VIENTOS										
	7	14	20	Med.	Máx.	Min.	Mínimo Somb.	7	14	20	Med.			7	14	20		Total	7	14	20	DIRECCION	FUERZA	DIRECCION	FUERZA			
1	18.0	25.6	21.4	21.6	26.3	17.4	16.3	14.7	17.3	15.5	95	61	90	82	9.7	2.4	41.0											
2	20.0	25.4	20.2	21.4	26.0	18.4	17.3	16.4	16.0	16.1	16.2	94	66	91	84	10.0	0.8	2.2	0.8	0.1	21.9	0.8						
3	18.0	26.0	20.4	21.2	27.1	16.8	15.5	14.7	14.1	17.2	15.3	95	56	96	82	9.7	5.4	21.0										
4	19.0	25.4	20.6	21.4	26.3	18.0	17.1	15.9	16.6	17.4	16.6	96	68	96	87	9.0	1.1	0.2										
5	18.3	27.0	18.4	20.5	28.5	18.0	17.1	14.9	14.7	15.3	15.0	95	55	96	82	9.0	5.5	0.9										
6	17.3	29.0	21.0	22.1	30.0	15.6	14.4	14.0	15.1	15.6	14.9	95	50	84	76	8.7	8.1											
7	18.0	27.0	20.4	21.4	28.1	17.0	16.0	14.9	16.2	17.2	16.1	96	60	96	84	10.0	4.1											
8	18.0	26.3	21.0	21.6	29.0	16.9	15.4	14.7	15.5	17.8	16.0	95	61	96	84	9.7	5.2	2.3										
9	19.1	28.0	18.4	19.5	25.5	17.8	17.0	15.7	17.0	16.0	16.2	95	86	100	94	10.0	1.5	1.6	1.4	17.8	49.2	1.2						
10	18.0	23.0	22.1	22.3	29.0	16.1	15.0	14.0	14.6	18.7	15.8	93	54	94	80	9.3	8.6											
11	17.6	27.3	22.1	22.0	26.6	17.8	17.0	15.3	16.2	18.1	16.5	96	60	96	84	7.7	5.1											
12	18.4	27.0	21.2	22.0	26.3	18.0	17.0	15.9	17.6	16.3	16.6	95	80	95	90	9.7	2.2											
13	19.2	23.6	19.6	20.5	26.3	18.0	17.0	15.2	15.4	15.7	15.4	96	90	95	87	10.0	2.2	10.7	0.1	0.5	19.1	0.6						
14	18.8	23.6	19.0	20.1	24.3	18.0	17.2	15.7	14.4	14.4	15.0	95	60	95	83	8.3	3.7	18.5										
15	18.0	25.2	19.1	20.4	26.3	17.1	16.4	14.7	14.7	15.7	15.8	95	63	96	85	10.0	3.2											
16	18.8	26.6	21.0	21.7	27.0	17.3	16.4	15.5	15.7	17.8	16.3	95	63	96	85	10.0	3.2											
17	19.2	24.0	19.9	20.8	27.6	17.7	17.0	15.9	15.4	16.2	15.8	95	68	94	85	9.7	6.4	0.5										
18	19.0	25.1	21.0	21.3	28.0	17.4	16.5	14.7	13.4	17.7	15.1	95	56	95	82	9.1	2.8											
19	19.1	21.0	19.8	20.0	25.9	18.0	17.1	16.1	16.3	16.7	16.4	96	88	96	91	9.0	6.3											
20	18.0	23.0	19.6	20.0	26.8	16.4	16.0	14.9	14.8	16.5	15.4	96	70	96	87	10.0	5.9											
21	19.0	25.0	20.4	21.0	28.0	17.6	17.0	15.9	14.2	16.4	15.5	96	60	94	83	9.7	2.3	0.5										
22	17.0	26.2	22.4	22.1	28.8	15.6	15.0	14.0	14.3	17.2	15.2	96	64	79	9.7	6.0												
23	19.3	21.4	21.2	20.8	27.2	18.4	17.6	15.9	16.3	17.7	16.6	95	86	94	92	9.7	5.2											
24	18.0	27.9	20.4	21.7	29.6	17.4	16.1	14.7	14.4	16.0	15.0	95	51	90	79	9.0	8.2											
25	19.2	28.3	22.2	21.0	29.6	17.6	17.0	15.3	14.4	17.2	15.6	91	56	86	76	5.7	9.6											
26	19.8	19.0	19.0	19.2	24.0	18.6	18.0	16.7	15.9	16.2	16.1	96	96	97	10.0	0.1												
27	17.0	25.6	20.2	20.8	26.6	16.0	15.3	14.6	14.7	17.1	15.1	100	61	96	86	9.7	4.2											
28	18.0	26.8	21.0	21.7	28.5	17.4	16.6	14.9	17.3	16.8	16.3	96	85	89	83	9.8	5.1											
29	18.8	27.4	21.6	22.4	29.0	17.6	17.0	15.7	15.3	18.5	16.5	96	56	96	83	9.7	4.4											
30	18.8	27.7	21.0	22.1	28.6	17.6	17.0	15.3	15.0	17.5	15.9	95	53	94	81	10.0	6.1											
31	18.6	27.0	22.4	22.4	27.5	17.9	16.6	15.5	16.2	17.0	16.2	96	60	86	81	9.7	2.0											
Med.	18.5	25.3	20.4	21.2	27.2	17.4	16.5	15.2	15.4	16.8	15.8	93	64	84	9.4	4.4	4.2	1.0	1.3	6.6	1.3							

Precipitación total: 7.206.0 mm.

RESUMEN MENSUAL Y ANUAL

AÑO: 1.969

ESTACION: Alcañal

M E S	PRESION ATMOSFERICA SOBRE 800 MM. HG.			TEMPERATURA OC			TEMPERATURAS EXTREMAS OC			HUMEDAD RELATIVA %			TENSION DEL VAPOR MM. HG.			NUBOSIDAD EN DECIMOS			EVAPORACION MM			PRECIPITACION							
	MAXIMA	MINIMA	DA	MAXIMA	MINIMA	DA	MAXIMA	MINIMA	DA	MAXIMA	MINIMA	DA	MAXIMA	MINIMA	DA	MAXIMA	MINIMA	DA	MAXIMA	MINIMA	DA	MAXIMA	MINIMA	DA					
	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20					
ENERO	17.1	26.2	19.4	20.5	27.6	16.2	30.3	6	14.9	28	15.3	96	51	86	78	30	16.5	7.5	13.8	7.4	5.7	0.9	22.9	17.7	25.0	65.6	13	27.3	23
FEBRERO	17.9	26.8	20.8	21.6	28.4	16.7	31.0	21	14.0	1	15.9	96	50	85	77	30	16.9	11.1	14.5	7.2	6.2	1.7	17.7	10.2	36.9	64.8	12	20.7	14
MARZO	18.4	27.7	21.8	22.1	29.2	17.0	32.0	7	14.0	19	16.0	95	50	85	76	36	18.0	11.3	14.9	7.7	5.6	1.5	15.6	7.7	35.3	58.6	17	17.0	27
ABRIL	18.4	26.2	20.2	21.2	27.4	17.5	30.0	7	16.4	12	16.5	95	58	91	81	41	18.4	12.5	15.3	8.9	4.0	1.2	171.3	14.0	136.3	382.6	24	64.7	4
MAYO	18.5	25.3	20.4	21.2	27.2	17.4	30.0	6	15.6	7	16.5	95	64	93	84	50	18.7	13.4	15.8	9.4	4.4	1.3	129.8	30.2	39.5	206.0	22	49.3	9
JUNIO	18.0	25.8	20.3	21.1	27.5	16.9	29.1	29	14.9	7	16.0	96	62	94	84	50	18.8	13.0	15.6	8.5	4.9	1.2	93.8	26.4	86.4	159.1	18	39.1	3
JULIO	17.6	26.8	21.8	22.2	29.4	16.1	32.0	7	14.4	12	15.0	95	46	69	70	30	17.5	8.0	13.4	6.2	7.2	2.1	6.2	6.4	23.9	36.5	10	16.9	30
AGOSTO	17.3	25.6	19.3	20.4	27.1	15.9	30.0	2	14.0	7	15.0	97	53	80	35	17.3	9.6	14.2	7.8	5.6	1.7	30.0	4.6	65.3	101.3	20	28.9	17	
SEPTIEMBRE	18.0	27.1	20.7	21.6	28.4	16.4	33.5	13	13.7	25	15.4	96	49	82	75	20	16.7	7.3	14.1	6.2	5.8	2.4	131.1	25.4	63.0	227.5	16	42.6	26
OCTUBRE	17.8	25.0	19.0	20.2	26.4	16.1	29.5	28	13.8	14	15.1	96	60	94	83	40	17.8	10.2	14.8	7.8	4.1	1.5	113.1	5.8	60.1	180.7	27	41.0	23
NOVIEMBRE	18.1	25.5	19.1	20.5	27.0	16.7	29.5	28	14.8	11	15.7	96	59	95	85	45	18.0	12.2	15.0	7.9	5.4	1.6	63.2	34.1	41.6	127.8	17	27.4	7
DICIEMBRE	18.4	26.5	19.7	21.1	27.7	17.0	30.0	30	14.5	30	16.0	96	58	94	83	30	18.6	12.1	15.4	6.8	5.8	1.3	91.0	18.6	32.0	141.6	21	22.1	28
MEDIA ANUAL	18.0	26.3	20.2	21.1	27.8	16.6	30.6	14.6	15.6	17.8	10.7	14.7	7.6	5.4	1.5	73.8	16.6	53.8	144.3	217	33.4	-	-	-	-	-	-	-	-

PRECIPITACION TOTAL: 1.732.1

PRECIPITACION MAXIMA: 64.7 - IV - 4

DIAS LLUVIOSOS: 217

DATOS DIARIOS

Estación Aicoila

Mes Julio

Año 1969

9 - 4° 31' N 74° 53' W.G.R.

Altura 1,320 M.

Días	TEMPERATURAS					TENSION DEL VAPOR					Humedad Relativa %					Brillo Horas	PRECIPITACION			EVAPORACION	VIENTOS					
	7	14	20	Med.	Mín. Máx.	Mínima Sentido	7	14	20	Med.	7	14	20	Med.	7		14	20	Total		DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora
1	10.0	25.2	19.6	20.6	28.0	17.6	16.4	15.2	15.8	16.0	15.7	98	66	94	86	9.3	6.2	—	—	—	—	—	—	—	—	
2	17.6	25.4	20.6	21.0	27.5	16.4	15.3	14.8	9.8	14.5	13.0	98	40	80	71	9.7	4.6	—	—	—	—	—	—	—	—	
3	17.6	28.6	21.4	22.2	29.5	17.0	16.1	16.0	15.0	15.8	14.9	93	51	83	76	8.3	8.9	—	—	—	—	—	—	—	—	
4	17.1	28.4	21.4	22.0	29.5	14.0	14.2	14.0	15.4	15.1	14.8	80	76	4.7	9.4	—	—	—	—	—	—	—	—	—	—	
5	17.0	26.0	21.8	21.6	28.0	16.3	15.3	14.2	14.3	16.6	15.0	96	57	85	80	7.0	2.2	—	—	—	—	—	—	—	—	
6	19.0	26.0	20.4	21.4	27.1	17.4	16.8	15.9	12.7	15.9	14.8	96	50	89	78	8.7	6.7	—	—	—	—	—	—	—	—	
7	17.8	26.6	21.9	21.8	28.3	16.0	15.4	14.0	13.8	16.6	14.8	96	53	85	78	6.7	6.1	—	—	—	—	—	—	—	—	
8	17.8	25.2	19.9	20.7	28.1	17.4	16.0	15.0	15.2	15.6	15.3	98	63	80	84	6.7	5.9	—	—	—	—	—	—	—	—	
9	17.6	27.6	21.6	22.0	29.0	15.8	15.0	14.4	13.4	14.8	14.4	98	50	76	75	5.0	7.8	—	—	—	—	—	—	—	—	
10	17.6	21.6	22.1	22.1	29.3	16.4	15.3	14.8	13.9	17.5	15.4	98	50	91	80	6.7	6.6	—	—	—	—	—	—	—	—	
11	19.0	25.6	18.7	20.5	26.5	17.7	17.0	15.5	13.4	15.0	14.6	94	54	80	9.7	3.0	—	—	—	—	—	—	—	—	—	
12	15.6	28.4	20.9	21.4	30.0	14.4	13.5	12.8	13.2	14.7	13.6	98	45	86	74	3.0	10.0	—	—	—	—	—	—	—	—	
13	16.2	29.0	24.0	23.3	31.0	14.0	14.0	13.5	13.7	8.9	12.0	98	45	40	61	3.7	9.1	—	—	—	—	—	—	—	—	
14	15.0	30.0	23.0	22.8	31.5	14.6	13.3	12.1	12.7	9.5	11.4	95	40	45	60	5.7	8.1	—	—	—	—	—	—	—	—	
15	17.1	29.4	20.2	20.7	26.5	16.3	15.5	14.0	14.6	16.1	14.9	96	60	91	82	9.3	3.6	—	—	—	—	—	—	—	—	
16	17.8	29.1	22.8	22.9	29.5	15.8	15.0	14.4	13.8	14.3	14.2	94	48	68	70	6.0	6.7	—	—	—	—	—	—	—	—	
17	17.8	29.2	21.0	21.2	29.0	16.3	15.1	14.6	13.3	12.5	13.5	93	55	68	73	6.0	6.5	0.1	—	—	—	—	—	—	—	
18	17.0	29.6	23.8	23.6	31.5	15.4	14.3	13.8	12.4	9.7	12.0	95	40	44	60	2.3	10.7	—	—	—	—	—	—	—	—	
19	17.0	29.8	22.2	22.8	31.0	16.0	14.7	14.0	12.5	12.6	13.0	96	40	64	67	3.0	10.3	—	—	—	—	—	—	—	—	
20	17.0	28.4	24.0	23.4	30.0	14.8	13.5	13.0	11.7	8.9	11.5	95	40	40	58	3.3	9.5	—	—	—	—	—	—	—	—	
21	17.0	30.4	24.6	24.2	31.5	15.7	14.5	13.7	9.6	9.4	10.9	94	30	40	55	3.0	10.2	—	—	—	—	—	—	—	—	
22	18.8	30.7	25.2	25.0	32.0	17.3	15.8	14.0	9.9	8.4	10.8	86	30	35	50	4.7	9.9	—	—	—	—	—	—	—	—	
23	17.0	30.8	20.6	22.2	31.0	14.7	13.3	11.6	9.9	11.8	11.1	80	30	65	58	5.3	6.8	—	—	—	—	—	—	—	—	
24	17.6	27.6	22.8	22.7	28.5	14.6	13.5	13.5	12.3	13.0	12.9	90	45	64	66	6.0	9.4	—	—	—	—	—	—	—	—	
25	19.1	30.0	24.4	24.5	32.0	16.8	15.7	15.7	11.1	10.0	12.3	95	35	44	58	6.7	9.2	—	—	—	—	—	—	—	—	
26	18.4	27.1	23.7	22.4	30.0	16.8	14.9	15.1	13.9	15.6	14.9	95	49	80	75	5.7	6.0	—	—	—	—	—	—	—	—	
27	18.1	31.6	23.4	24.1	32.0	15.4	14.3	14.6	10.7	8.7	11.3	94	30	40	55	4.7	8.0	—	—	—	—	—	—	—	—	
28	18.6	29.6	22.2	23.2	30.5	17.0	15.8	15.2	12.4	9.4	12.2	94	40	45	60	5.0	9.9	0.8	—	—	—	—	—	—	—	
29	17.8	28.0	20.2	21.6	29.0	15.8	14.6	14.6	9.7	8.0	10.8	95	34	45	58	6.0	5.3	—	—	—	—	—	—	—	—	
30	18.2	24.0	18.1	19.6	26.5	16.4	16.0	16.5	11.2	14.7	13.5	93	50	95	79	10.0	2.0	—	—	—	—	—	—	—	—	
31	18.2	25.8	20.6	21.3	27.0	16.4	15.3	14.8	13.7	16.7	15.1	94	55	92	80	10.0	2.7	3.8	—	—	—	—	—	—	—	
Med	17.6	27.8	21.8	22.2	29.4	16.1	15.0	14.3	12.7	13.1	13.4	95	46	69	70	6.2	7.2	0.2	0.2	0.8	1.2	2.1	—	—	—	

Preecipitacion total : 36.5 m.m.

DIARIOS

Altura 1.320 M.

74° 53' W. GR

9° - 40' 31" N

Año 1969

Mez Agosto

Estación

Días	TEMPERATURAS						TENSIÓN DEL VAPOR						Humedad Relativa %				Nubosidad DENSIOS	Brillo Horas	PRECIPITACION mm			VIENTOS				
	Med.		Máx.		Mín.		Med.		Máx.		Mín.		7		14				20		7		14		20	
	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	7			14	20	DIREC. CION	FUERZA Km./Hora	DIREC. CION	FUERZA Km./Hora	DIREC. CION	FUERZA Km./Hora
1	18.6	26.1	20.9	21.7	28.3	17.4	16.1	15.5	14.3	17.1	15.6	86	56	91	82	8.0	8.1									
2	17.8	27.6	17.0	19.8	30.0	16.9	16.0	14.6	13.9	13.1	13.9	95	50	90	78	7.1	7.2									
3	18.0	27.6	21.0	21.9	28.5	15.8	15.0	14.9	9.6	14.9	13.1	96	35	80	70	7.0	5.5									
4	16.1	28.4	21.0	21.6	29.3	14.9	14.0	13.4	13.2	14.9	13.8	96	45	75	72	7.7	8.7									
5	18.0	28.2	21.0	22.0	29.3	17.0	14.8	15.2	10.3	15.9	13.8	98	36	86	73	7.3	7.7									
6	18.2	27.6	20.4	21.6	29.5	16.0	16.0	15.4	12.8	14.8	14.3	98	46	83	76	8.0	8.1									
7	18.0	25.4	19.1	20.4	28.0	16.3	15.4	15.2	13.5	15.2	14.6	98	55	93	82	8.7	3.0									
8	17.6	25.4	18.0	19.8	26.0	16.0	35.4	15.2	12.4	14.9	14.2	100	51	96	82	7.0	5.5									
9	15.0	25.0	19.2	19.6	26.0	14.9	14.0	12.8	11.6	15.4	13.1	100	50	93	81	7.7	6.4									
10	16.0	24.4	17.1	18.6	26.3	14.0	13.3	13.7	11.5	14.2	13.1	100	50	98	83	7.3	6.5									
11	15.4	22.4	19.0	19.0	26.2	14.0	13.5	12.5	11.8	15.3	13.4	98	58	95	88	8.0	6.7									
12	15.1	22.6	18.4	18.6	27.0	14.0	13.5	13.2	12.6	14.6	13.5	97	53	95	82	8.0	4.3									
13	16.0	25.0	17.8	19.2	26.1	16.7	14.0	14.9	13.3	15.7	14.6	96	53	95	81	6.7	6.3									
14	18.0	25.0	19.0	20.4	27.3	16.4	15.4	14.6	14.1	14.8	14.5	100	56	90	82	7.7	5.2									
15	17.0	26.0	19.0	20.2	27.0	15.0	14.1	14.4	12.7	14.6	13.9	97	50	95	91	9.0	6.9									
16	17.4	26.0	17.1	19.7	26.6	17.0	16.1	14.5	13.6	15.2	14.4	93	56	98	82	6.7	2.9									
17	18.0	25.4	18.0	19.8	26.8	17.1	16.2	14.5	13.4	14.2	13.6	100	53	83	78	9.0	8.0									
18	17.8	26.0	17.4	19.6	27.5	16.1	15.5	15.4	13.4	14.0	13.6	96	60	96	84	8.0	2.6									
19	17.0	25.0	19.2	20.1	29.5	15.6	14.4	14.0	14.2	16.1	14.8	96	50	96	79	8.7	5.3									
20	17.1	26.0	20.2	20.9	27.1	16.4	15.3	14.0	12.7	15.9	14.2	96	50	90	90	9.7	5.0									
21	18.0	22.8	21.0	20.7	25.0	16.6	15.4	14.9	16.7	17.3	16.3	96	50	93	90	9.7	5.0									
22	17.0	27.0	18.8	20.4	27.1	14.7	13.4	14.0	12.2	15.5	13.9	96	45	95	79	6.7	8.2									
23	17.4	25.0	19.0	20.1	29.5	16.4	15.8	14.2	14.2	15.9	14.8	96	60	96	84	9.7	4.4									
24	17.1	22.4	18.4	19.1	24.4	15.8	15.0	14.0	12.1	15.3	13.8	96	60	96	84	7.3	6.5									
25	16.1	26.0	20.4	20.7	27.9	15.0	14.3	12.8	13.2	15.3	13.8	94	52	85	71	8.0	6.2									
26	18.0	23.2	18.6	19.6	26.9	17.4	16.5	14.9	15.0	15.5	15.1	96	70	96	87	6.7	5.2									
27	18.0	26.0	20.0	21.0	26.5	16.0	15.3	14.9	12.9	16.4	14.7	96	51	94	80	6.0	4.3									
28	17.6	26.1	20.6	21.2	27.9	16.4	16.0	14.5	12.7	16.7	14.6	96	56	92	79	8.0	5.1									
29	18.0	26.4	20.2	22.2	26.0	17.0	16.1	14.9	13.0	14.6	14.2	96	50	82	76	8.7	3.1									
30	18.0	27.1	22.6	23.6	27.1	14.9	14.0	14.9	13.9	13.6	14.1	96	52	85	71	9.3	5.4									
31	18.4	27.1	18.6	20.7	28.0	17.3	16.0	15.3	13.4	13.5	14.1	96	50	85	77	6.7	3.5									
Med	17.3	25.6	19.3	20.4	27.1	15.9	15.0	14.4	13.1	15.2	14.2	97	53	90	80	7.8	5.6									

Precipitación total : 101.3 m.m.

DATOS DIARIOS

Estación *Alto de la Cruz*

11
Mes Septiembre Año 1969

☉ 4° 31' N ☽ 74° 53' W. O.R.

Altura 1.320 M.

Días	TEMPERATURAS					TENSIÓN DEL VAPOUR					Humedad Relativa			NUBOSIDAD DECIMOS	Brillo Solar Horas	PRECIPITACION mm			VIENTOS						
	7	14	20	Med.	Máx.	Mín.	Mínima Sueto	7	14	20	Med.	7	14			20	Total	7	14	20	DIREC CION Km./Hora	FUERZA	DIREC CION Km./Hora	FUERZA	
																									7
1	18.0	27.4	21.3	22.0	28.0	17.6	16.1	15.2	12.7	14.0	14.0	98	46	74	73	9.1	6.6	1.4	1.1	2.0					
2	17.1	27.0	19.4	20.7	27.4	15.9	15.0	14.0	13.4	15.6	14.3	96	50	94	80	9.3	4.3			2.2					
3	17.4	29.0	22.0	22.6	29.5	14.6	13.5	14.2	13.8	14.7	14.2	96	45	74	72	3.0	10.0			2.2					
4	18.5	29.6	22.0	23.0	30.5	16.0	15.0	15.4	12.4	12.1	13.3	96	40	61	66	4.0	9.1			2.2					
5	18.2	30.0	23.8	24.0	31.0	15.6	14.4	14.8	12.7	16.4	14.6	94	40	74	69	2.7	10.2			3.2					
6	19.0	27.4	18.4	20.8	28.0	17.4	16.3	15.9	14.8	14.2	15.0	96	54	90	80	8.3	9.5			1.8					
7	18.2	27.4	23.4	23.1	28.0	16.6	15.7	15.1	13.3	13.9	14.1	96	48	68	71	7.3	3.8			1.8					
8	18.0	29.6	20.3	22.0	31.0	15.4	14.2	14.9	9.4	15.2	13.2	96	30	86	71	2.7	10.2			3.2					
9	18.0	29.0	22.0	22.8	30.5	16.6	15.3	14.9	12.1	16.1	14.4	96	40	81	72	2.0	10.3			2.8					
10	18.0	28.0	22.0	22.5	29.5	17.3	16.4	15.6	14.3	16.6	15.5	100	50	83	78	4.7	7.3			3.4					
11	19.8	30.0	24.0	24.4	32.5	16.9	16.0	16.7	11.1	10.0	12.6	96	35	45	59	3.3	9.9			3.0					
12	18.4	29.8	25.2	24.6	31.0	16.0	14.8	15.3	12.5	8.4	12.1	96	40	35	57	4.0	9.5			3.6					
13	18.0	33.3	23.4	24.5	33.5	16.0	15.1	14.1	7.3	13.3	11.6	92	20	62	58	1.7	10.7			3.0					
14	18.0	28.0	23.4	23.2	31.3	16.4	15.6	14.9	11.3	14.0	13.4	96	40	65	67	4.7	8.4			3.2					
15	19.6	29.0	21.0	22.4	30.0	18.4	17.6	16.5	12.8	15.7	15.0	96	45	85	75	5.3	6.0			4.0					
16	18.8	25.6	18.6	20.4	28.0	16.8	15.4	15.7	14.7	15.5	15.3	96	61	96	84	8.7	2.8			2.0					
17	16.0	25.6	18.6	19.7	27.3	15.0	14.2	13.1	11.8	15.2	13.4	96	48	94	79	6.7	5.1			2.0					
18	17.4	25.0	18.8	20.0	26.0	16.2	15.3	14.2	14.2	15.5	14.6	95	60	95	83	10.0	0.4			0.8					
19	17.4	19.2	17.6	18.0	21.2	16.7	16.0	14.2	13.8	14.5	14.2	96	83	96	92	9.7	0.7			0.8					
20	17.2	27.0	18.0	20.0	27.5	16.0	15.1	13.7	12.2	14.7	13.5	93	45	95	78	6.7	4.3			1.4					
21	18.0	26.0	20.0	21.0	26.3	16.0	15.1	13.8	13.4	15.8	14.2	90	53	90	78	6.0	4.7			2.6					
22	18.0	25.3	17.1	19.4	26.5	17.2	16.3	15.2	13.6	14.2	14.2	98	56	95	83	6.7	3.1			1.8					
23	17.0	24.4	18.6	19.6	28.0	15.0	15.2	14.0	14.5	13.5	14.0	96	63	85	81	6.0	5.5			1.6					
24	17.7	26.0	18.0	19.9	27.3	16.0	15.2	14.7	14.9	14.9	14.8	96	60	96	84	9.3	2.9			1.6					
25	16.2	27.0	21.8	21.7	28.0	13.7	13.0	13.3	11.9	15.6	14.8	96	40	73	6.7	6.7				2.6					
26	18.6	26.0	20.4	21.4	27.0	17.3	16.4	15.5	13.2	16.5	15.1	96	52	93	80	8.0	3.5			2.6					
27	18.0	23.6	18.2	19.5	25.3	17.4	16.3	14.9	14.4	14.9	14.7	96	65	95	85	9.3	2.5			2.4					
28	19.0	28.0	20.6	22.0	28.3	17.3	16.1	15.9	11.3	15.2	14.1	96	40	84	73	5.0	7.9			1.4					
29	18.0	29.6	19.8	20.3	24.4	17.4	16.3	14.9	13.7	16.7	15.1	96	63	96	85	9.3	1.0			1.6					
30	17.8	27.0	22.2	22.3	28.0	17.4	16.0	14.7	12.5	16.6	14.6	96	46	83	75	5.7	7.9			1.6					
31																				2.6					
Med	18.0	27.1	20.7	21.6	28.4	16.4	15.4	14.8	12.8	14.6	14.1	96	49	82	75	6.2	5.8			2.4					

Precipitación total : 227.5 m.m.

DATOS DIARIOS

Estación ALOA 14

Mes Noviembre Año 1969

φ = 4° 31' N λ = 74° 53' WGR

Altura 1.320 M.

Días	TEMPERATURAS °C					TENSIÓN DEL VAPOUR mm					Humedad Relativa %			HUSOS DIURNOS Horas		PRECIPITACION mm			VIENTOS					
	7	14	20	Med.	Max.	7	14	20	Med.	Min.	7	14	20	Med.	7	14	20	7	14	20	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	
					Min. Suelo																			
1	18.8	26.0	19.0	20.1	28.0	17.0	16.4	15.0	14.9	15.2	15.0	93	60	53	82.	6.7	6.5	—	—	—	—	—	—	—
2	20.0	28.0	19.0	21.5	29.0	16.8	16.0	15.2	14.3	14.9	14.8	87	50	91	76	5.3	8.6	—	—	—	—	—	—	—
3	18.0	26.2	20.0	21.0	27.5	17.0	16.3	14.9	12.8	15.3	14.3	90	50	84	71	8.7	8.2	—	—	—	—	—	—	—
4	18.0	26.0	18.0	21.0	28.1	16.4	15.3	14.6	12.8	14.7	14.0	94	45	88	76	9.0	7.0	—	—	—	—	—	—	—
5	18.1	23.4	18.4	19.6	25.0	17.4	16.0	15.6	13.2	15.3	15.7	100	75	96	98	9.3	0.5	—	—	—	—	—	—	—
6	18.0	26.3	19.6	20.9	27.0	16.8	16.0	14.9	13.5	16.2	14.9	96	53	95	81	6.0	8.1	—	—	—	—	—	—	—
7	18.2	25.0	18.2	19.9	26.5	17.3	16.1	15.8	14.2	15.4	15.1	100	61	98	86	9.3	4.6	—	—	—	—	—	—	—
8	18.0	25.4	18.4	20.0	26.0	16.6	16.0	14.9	12.4	15.1	15.1	96	61	95	85	9.3	2.9	—	—	—	—	—	—	—
9	18.4	25.4	19.0	20.4	26.0	17.4	16.0	15.0	12.4	15.9	14.4	94	51	96	80	9.7	5.1	—	—	—	—	—	—	—
10	18.4	24.6	18.0	19.8	26.0	17.3	16.5	15.3	13.9	15.6	14.9	96	60	100	85	6.7	7.2	—	—	—	—	—	—	—
11	16.8	20.0	17.6	18.1	25.0	14.8	14.0	16.3	16.6	15.4	16.1	100	95	100	98	10.0	—	—	—	—	—	—	—	—
12	18.3	20.0	18.1	18.6	25.0	16.4	15.1	14.9	15.8	15.6	15.4	95	90	100	95	9.7	3.4	—	—	—	—	—	—	—
13	17.6	26.0	20.2	21.0	27.6	15.2	14.1	15.2	13.4	17.1	15.2	100	53	96	83	7.7	6.7	—	—	—	—	—	—	—
14	17.6	26.6	18.4	20.2	27.0	17.0	16.1	15.2	14.1	15.4	14.9	100	54	97	84	8.1	5.1	—	—	—	—	—	—	—
15	18.0	26.0	19.0	20.5	27.2	16.8	16.0	13.8	12.7	16.0	14.2	90	50	97	79	8.3	6.7	—	—	—	—	—	—	—
16	18.0	25.0	19.2	20.4	26.0	16.4	15.3	14.9	12.6	15.1	14.2	96	53	91	80	8.7	3.7	—	—	—	—	—	—	—
17	17.6	26.4	19.6	20.8	27.5	16.4	15.2	15.2	13.0	16.0	14.7	100	50	94	81	3.0	8.6	—	—	—	—	—	—	—
18	18.2	24.8	19.6	20.6	26.0	16.6	15.4	15.2	15.4	16.2	15.6	97	66	95	86	9.0	5.3	—	—	—	—	—	—	—
19	18.4	25.4	18.1	20.0	26.3	16.8	16.0	15.3	14.6	14.9	14.9	96	60	96	84	9.7	5.1	—	—	—	—	—	—	—
20	17.2	26.4	19.0	20.4	27.1	16.1	15.2	14.1	13.0	14.8	14.0	96	50	90	79	7.0	8.7	—	—	—	—	—	—	—
21	17.4	27.0	20.4	21.3	28.0	16.0	14.8	14.6	12.2	16.0	14.3	98	45	90	78	7.7	5.5	—	—	—	—	—	—	—
22	17.6	25.0	21.0	21.2	27.0	17.3	15.8	14.5	12.6	16.7	14.6	96	53	90	80	8.0	4.7	—	—	—	—	—	—	—
23	18.0	28.0	21.6	22.3	29.3	17.1	16.3	14.9	15.1	16.4	15.5	96	53	85	78	8.7	6.7	—	—	—	—	—	—	—
24	18.4	25.0	20.4	21.0	26.0	18.1	17.0	16.0	14.2	18.0	16.1	100	60	100	87	9.3	3.2	—	—	—	—	—	—	—
25	19.0	23.6	18.6	20.2	26.6	17.8	17.0	15.9	13.7	14.4	14.7	96	63	90	83	6.7	2.2	—	—	—	—	—	—	—
26	19.0	26.8	19.6	21.2	28.0	17.4	16.8	15.9	14.3	16.8	15.7	96	58	98	81	8.0	3.8	—	—	—	—	—	—	—
27	17.6	27.8	18.0	20.4	28.0	15.0	14.2	14.4	12.5	15.6	14.2	95	45	100	80	2.7	9.7	—	—	—	—	—	—	—
28	18.0	28.2	20.0	21.8	29.5	16.4	15.0	14.9	14.4	16.9	15.4	96	50	96	81	8.0	7.3	—	—	—	—	—	—	—
29	18.6	21.4	17.4	18.8	23.3	17.4	15.8	16.0	17.7	15.0	16.2	98	93	100	97	8.7	2.1	—	—	—	—	—	—	—
30	17.0	26.6	19.6	20.7	28.3	15.8	15.0	14.0	15.8	16.3	15.4	96	60	95	84	5.0	7.1	—	—	—	—	—	—	—
Med	18.1	25.5	19.1	20.5	27.0	16.7	15.7	15.1	14.1	15.7	15.0	96	59	95	83	7.9	5.4	—	—	—	—	—	—	—

Precipitación total : 127.6 mm.

DATOS DIARIOS

Estación Atonila Mes Diciembre Año 1969 φ = 4° 31' N λ = 105° 51' W.G.R Altura 1,320 M

Días	TEMPERATURAS						TENSION DEL VAPOR			Humedad Relativa			NUBESIDAD Brillo Solar Horas	PRECIPITACION			VIENTOS					
	7	14	20	Med.	Máx.	Mín.	Mínima Sech.	7	14	20	7	14		20	Total	7	14	20	DIREC CION	FUERZA Km./Hora	DIREC CION	FUERZA Km./Hora
1	19.0	24.0	19.0	20.8	27.0	16.4	15.7	15.3	11.5	13.2	14.9	96	61	81	9.2	7.7	---	---	---	---	---	---
2	18.0	27.0	19.0	20.8	28.0	16.3	14.9	14.9	14.2	15.9	15.0	96	53	82	9.2	5.8	---	---	---	---	---	---
3	18.2	21.0	18.4	19.0	25.0	17.3	16.0	15.2	17.3	15.3	15.2	97	93	96	9.5	2.7	3.7	1.9	0.1	2.0	0.8	---
4	18.2	24.0	19.6	20.4	25.0	17.3	16.4	15.1	13.5	17.1	15.2	96	60	100	8.5	8.7	1.9	---	---	---	---	---
5	19.0	25.6	18.8	20.6	26.5	17.3	17.4	15.9	14.7	15.7	15.4	96	60	96	8.4	9.3	2.1	16.0	---	0.8	0.8	1.2
6	18.0	23.4	18.0	19.4	26.5	15.8	14.7	14.9	16.8	14.9	15.5	96	78	96	9.0	7.1	4.9	---	---	0.4	0.8	1.8
7	17.9	26.9	19.2	20.8	27.5	16.3	14.8	14.7	14.0	14.1	14.9	96	51	96	8.2	9.0	6.5	---	---	---	---	---
8	18.8	27.2	19.8	21.4	28.0	17.4	16.4	15.7	14.6	16.7	15.7	96	54	96	8.2	7.0	6.4	0.4	---	---	---	---
9	19.2	25.0	19.6	20.8	26.0	17.6	16.6	16.1	14.2	15.8	15.4	96	60	93	8.3	8.0	3.5	1.8	---	---	---	---
10	18.0	27.6	20.8	21.8	28.6	17.8	16.5	14.9	12.4	17.5	14.9	96	45	95	7.9	6.3	7.5	---	---	---	---	---
11	19.0	28.0	19.9	21.7	28.5	17.6	17.0	15.9	17.0	16.0	16.3	96	60	93	8.3	5.3	7.8	13.0	---	---	---	---
12	18.6	21.0	18.8	19.3	22.0	17.4	16.5	15.6	17.3	16.3	16.4	97	93	100	9.7	10.0	9.7	10.0	---	---	---	---
13	18.0	26.2	19.8	21.0	27.1	15.4	14.6	14.9	14.3	17.3	15.5	96	56	100	8.4	5.7	6.1	0.4	---	---	---	---
14	18.6	25.6	19.8	20.4	27.3	17.3	16.4	16.1	15.9	16.3	16.1	100	65	100	8.8	5.3	7.1	---	---	---	---	---
15	17.4	28.4	20.4	21.6	29.5	16.4	14.4	14.9	12.7	14.0	14.0	97	51	71	7.3	2.7	10.0	---	---	---	---	---
16	16.4	26.6	19.6	20.6	28.5	15.0	14.1	13.4	14.1	15.5	14.3	96	54	94	8.1	8.0	4.0	---	---	---	---	---
17	19.6	27.6	18.4	21.0	28.5	18.3	17.0	16.5	15.0	16.0	15.8	96	54	100	8.3	6.7	4.3	---	---	---	---	---
18	18.0	27.2	19.6	21.1	28.3	17.7	16.5	15.8	16.5	17.1	16.4	100	60	100	8.7	8.7	5.8	---	---	---	---	---
19	19.0	28.6	20.2	22.0	29.5	17.6	17.0	15.9	14.8	16.4	15.7	96	50	93	8.0	5.7	7.9	---	---	---	---	---
20	19.4	26.4	19.8	21.4	29.0	18.4	17.3	16.3	14.2	16.4	15.6	96	55	95	8.2	6.0	5.0	14.7	0.7	8.6	9.5	1.2
21	18.2	25.8	20.2	21.1	28.5	17.4	16.5	15.1	14.9	17.1	15.7	96	61	96	8.4	8.7	3.3	0.2	---	0.9	1.1	1.2
22	19.2	24.4	18.4	20.1	25.0	18.6	17.5	15.9	16.3	14.5	15.5	95	70	93	8.6	9.0	2.4	0.2	0.2	---	---	---
23	16.6	28.4	20.6	21.6	29.1	15.0	14.5	13.6	14.9	17.1	15.2	96	51	94	8.0	3.0	8.6	---	---	---	---	---
24	18.2	25.8	19.8	20.4	28.0	17.4	16.6	15.1	18.6	16.3	16.7	96	74	100	9.0	9.0	4.6	---	---	---	---	---
25	18.4	25.6	19.3	20.6	27.4	17.1	16.0	14.6	15.8	15.4	15.3	93	64	93	8.1	6.0	5.4	---	---	---	---	---
26	18.0	27.8	21.8	22.4	29.0	17.4	16.3	14.7	12.3	17.1	14.7	95	44	88	7.6	3.0	8.4	---	---	---	---	---
27	19.0	27.2	19.2	21.2	28.5	18.3	18.0	15.9	13.6	16.1	15.3	96	51	96	8.1	8.0	4.3	15.5	---	---	---	---
28	18.4	27.4	21.6	22.2	28.6	17.3	16.4	15.3	14.8	17.5	15.9	96	54	91	8.0	3.0	8.6	---	---	---	---	---
29	19.0	28.6	20.2	22.0	27.5	17.8	17.0	15.9	13.5	16.3	15.2	96	45	92	7.8	6.0	8.8	22.1	---	---	---	---
30	18.0	29.0	21.3	22.5	30.0	14.5	13.6	14.9	13.1	17.8	14.3	96	40	93	7.6	6.0	7.9	---	---	---	---	---
31	18.0	28.8	21.4	22.4	29.6	15.0	14.0	14.9	13.8	17.3	15.3	96	46	91	7.8	3.0	9.1	---	---	---	---	---
Med	18.4	26.3	19.7	21.0	27.7	17.0	16.0	15.3	14.8	16.2	15.4	96	58	94	8.3	6.8	5.0	2.9	0.6	1.0	4.6	1.3

Precipitación total : 141.6 m.m.

DATOS DIARIOS

Estación A lo a l d

Mes Junio

Año 1969

ϕ = 4° 31' N λ = 74° 53' W.G.R.

Altura 1.320 M

Días	TEMPERATURAS °C						TENSION DEL VAPOUR m m						Humedad Relativa %			DUMOSIDAD	Brillo Solar Horas	PRECIPITACION m m			VIENTOS						
	Mod.		Máx.	Mín.	Mínima Suabo		7	14	20	Med.	7	14	20	Med.	7			14	20	7	14	20	DIRECCION	FUERZA	DIRECCION	FUERZA	
	7	14	20	7	14	20	7	14	20	Med.	7	14	20	Med.	7			14	20	7	14	20	DIRECCION	FUERZA	DIRECCION	FUERZA	
1	18.0	22.0	20.4	20.2	25.6	17.3	16.6	14.7	15.8	16.5	15.7	95	80	83	89	9.7	4.0	47.5	---	---	---	---	---	---	---	---	---
2	19.2	26.0	20.0	21.3	26.8	17.7	17.0	16.3	14.2	16.9	16.0	96	60	96	84	10.0	3.7	---	---	---	---	---	---	---	---	---	---
3	18.0	21.8	18.0	19.0	25.0	17.1	18.0	14.9	18.8	14.9	16.2	96	96	96	96	10.0	1.5	4.7	25.2	39.1	0.8	---	---	---	---	---	---
4	17.6	26.4	21.0	21.5	27.0	16.1	15.3	14.8	14.2	17.0	15.3	98	55	91	81	9.7	7.1	9.2	---	---	---	---	---	---	---	---	---
5	19.0	26.0	20.0	21.2	26.3	18.0	17.6	15.9	14.9	16.9	15.9	96	60	96	84	10.0	2.0	---	---	---	---	---	---	---	---	---	---
6	17.0	26.3	21.0	21.3	27.9	14.9	14.0	14.0	14.3	17.5	15.3	96	56	94	82	9.0	5.7	---	---	---	---	---	---	---	---	---	---
7	18.0	25.2	19.4	20.5	26.0	17.0	15.6	14.9	16.9	16.3	16.0	96	70	96	87	9.7	3.0	0.3	0.1	0.7	0.8	1.0	---	---	---	---	---
8	17.2	26.1	18.2	20.8	21.0	16.4	16.7	16.0	14.9	14.7	15.3	15.0	96	55	96	82	9.3	6.3	---	---	---	---	---	---	---	---	---
9	19.0	23.6	20.4	20.6	27.9	18.0	17.0	15.9	14.1	14.9	16.7	15.2	96	60	96	84	9.7	3.1	---	---	---	---	---	---	---	---	---
10	18.6	27.0	21.4	22.1	28.8	17.9	17.0	15.5	13.4	18.4	15.8	96	50	95	80	9.7	3.6	4.5	---	---	---	---	---	---	---	---	---
11	17.3	27.0	20.6	23.4	28.3	16.1	15.6	14.1	13.0	16.2	15.1	96	56	90	81	8.7	4.4	---	---	---	---	---	---	---	---	---	---
12	18.8	21.4	18.0	19.0	26.6	17.6	15.8	15.7	15.3	14.9	15.3	96	80	96	91	8.7	3.6	---	---	---	---	---	---	---	---	---	---
13	16.0	25.3	20.4	20.5	26.3	14.9	14.0	13.0	15.2	16.0	14.7	95	63	90	83	7.3	6.9	---	---	---	---	---	---	---	---	---	---
14	17.0	21.4	20.0	21.1	28.0	14.9	14.0	14.2	16.7	16.6	15.8	98	60	95	84	6.7	7.6	---	---	---	---	---	---	---	---	---	---
15	19.8	26.8	19.9	21.6	28.0	17.2	16.3	15.7	14.8	15.6	15.4	91	56	90	79	6.0	6.8	---	---	---	---	---	---	---	---	---	---
16	17.0	27.4	21.4	21.8	28.0	15.8	15.0	14.2	15.1	18.3	15.9	98	55	95	83	8.0	5.6	---	---	---	---	---	---	---	---	---	---
17	18.1	25.4	19.0	20.4	28.5	17.6	17.0	14.9	15.9	15.7	15.5	96	65	95	85	8.0	4.2	---	---	---	---	---	---	---	---	---	---
18	18.4	26.9	21.8	22.2	27.5	16.9	16.0	15.3	14.6	17.5	15.8	96	55	90	80	6.0	7.2	0.7	---	---	---	---	---	---	---	---	---
19	18.0	27.0	21.8	22.2	28.5	17.3	16.3	14.9	16.2	18.8	16.6	96	60	96	84	9.0	7.9	---	---	---	---	---	---	---	---	---	---
20	18.0	26.6	21.3	21.8	28.0	17.3	16.4	14.9	17.3	18.1	16.8	96	65	96	86	6.7	5.7	5.4	---	---	---	---	---	---	---	---	---
21	18.0	25.2	20.9	21.2	27.3	17.4	16.5	14.9	13.6	18.1	15.5	96	56	98	83	7.3	5.7	---	---	---	---	---	---	---	---	---	---
22	18.6	27.2	20.4	21.6	28.3	18.0	17.5	16.1	14.4	15.0	15.2	100	53	84	79	8.0	6.7	---	---	---	---	---	---	---	---	---	---
23	18.1	26.8	21.2	21.7	28.0	17.3	16.4	14.2	15.7	18.1	16.0	98	60	96	85	8.7	4.5	---	---	---	---	---	---	---	---	---	---
24	18.1	27.4	21.2	21.7	28.0	17.3	16.4	14.2	15.7	18.1	16.0	98	60	96	85	8.7	4.5	---	---	---	---	---	---	---	---	---	---
25	18.0	27.0	19.4	21.0	28.5	17.1	16.4	14.7	14.5	16.3	15.2	95	54	96	82	9.0	3.2	---	---	---	---	---	---	---	---	---	---
26	17.8	25.2	20.4	21.0	26.5	17.4	16.3	14.7	16.9	17.0	16.2	96	70	95	87	9.3	4.2	---	---	---	---	---	---	---	---	---	---
27	18.8	24.3	19.9	20.9	25.5	17.3	16.1	16.0	15.9	16.7	16.2	98	70	96	88	10.0	1.7	21.1	0.5	0.8	1.3	0.6	---	---	---	---	---
28	17.6	27.1	21.4	21.8	28.0	15.9	15.0	14.5	13.4	18.4	15.6	96	50	96	81	6.3	7.0	---	---	---	---	---	---	---	---	---	---
29	18.0	27.0	21.0	21.8	29.1	16.8	16.0	14.9	13.9	19.7	14.8	96	50	85	77	7.0	8.3	0.3	---	---	---	---	---	---	---	---	---
30	18.6	26.8	20.6	21.6	28.0	17.7	17.0	15.3	14.2	17.6	15.7	95	55	95	82	9.0	4.3	---	---	---	---	---	---	---	---	---	---
31	18.0	25.6	20.3	21.1	21.5	16.9	16.0	14.9	15.2	16.8	15.6	96	62	94	84	8.5	4.9	3.1	0.9	2.9	5.3	1.2	---	---	---	---	---
Med	18.0	25.6	20.3	21.1	21.5	16.9	16.0	14.9	15.2	16.8	15.6	96	62	94	84	8.5	4.9	3.1	0.9	2.9	5.3	1.2	---	---	---	---	---

Preecipitacion total : 359.1 mm.

FRECUENCIA DE PRECIPITACION Y TEMPERATURA

ESTACION: Alcala

AÑO: 1989

MESES	PRECIPITACION																		TEMPERATURA							
	7 HORAS			14 HORAS			20 HORAS			TOTAL			Mínimo Abajo de 16°C	Mínimo Arriba de 18°C	Máximo Abajo de 26°C	Máximo Arriba de 30°C										
	Més de:		Más de:	Més de:		Más de:	Més de:		Más de:	Més de:																
	01	10	100	200	500	01	10	100	200	500	01	10	25	50	100	200	500									
ENERO	6	5	1	-	-	4	4	1	-	-	8	5	3	2	1	-	-	17	1	6	1					
FEBRERO	4	3	-	-	-	2	2	-	-	-	9	5	1	1	1	-	-	6	1	2	2					
MARZO	4	2	1	-	-	5	2	-	-	-	14	8	1	2	-	-	-	6	3	3	12					
ABRIL	13	12	6	3	-	3	2	1	-	1	20	13	4	1	1	6	2	-	5	6	2					
MAYO	12	8	5	3	-	9	4	2	-	-	17	6	1	-	3	-	-	3	8	8	1					
JUNIO	9	6	2	2	-	7	4	-	-	-	15	10	3	2	3	-	-	6	2	4	-					
JULIO	4	2	1	-	-	2	1	-	-	-	6	4	1	-	-	-	-	15	-	-	13					
AGOSTO	11	6	1	-	-	5	1	-	-	-	12	7	2	1	2	2	-	15	-	7	1					
SEPTBRE.	11	9	4	3	-	5	5	-	-	-	10	6	2	1	5	-	-	13	1	4	9					
OCTUBRE	15	9	3	2	-	8	2	-	-	-	18	12	2	-	2	-	-	12	-	11	-					
NOVRE.	15	6	1	-	-	4	2	1	-	-	11	6	1	-	3	-	-	5	1	10	-					
DIEMBRE.	12	8	5	1	-	5	2	1	-	-	13	4	1	-	1	-	-	6	5	5	1					
SUMA ANUAL	116	78	29	15	-	59	31	6	-	-	153	86	20	5	1	217	152	118	84	98	26	2	104	27	66	42

FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.

MESES	PRECIPITACION MAS DE 0.1 MM.																								TOTAL		
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	8-9	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24			
ENERO	1	3	4	3	2	2	2	2	2	1	-	-	-	-	2	3	1	2	5	5	2	1	2	3	1	12	
FEBRERO	2	3	2	1	2	2	-	-	-	-	-	-	1	2	4	4	3	4	4	1	-	-	-	1	2	12	
MARZO	-	-	-	1	1	1	1	-	-	-	-	-	3	3	3	3	5	10	8	5	2	2	3	-	16	26	
ABRIL	7	9	8	9	8	5	3	1	-	-	-	1	1	2	7	9	12	9	8	10	10	6	6	8	26	26	
MAYO	4	3	4	5	5	4	3	3	1	2	1	-	1	5	3	4	4	8	6	6	4	5	6	6	22	22	
JUNIO	2	4	5	3	5	4	2	2	-	2	2	-	2	2	6	4	8	6	5	5	5	4	4	2	10	10	
JULIO	1	1	-	1	-	-	-	-	-	-	-	-	1	2	1	1	2	2	4	3	2	1	2	-	2	18	18
AGOSTO	2	2	3	2	4	4	2	1	1	1	-	-	3	3	2	4	4	4	5	4	5	4	4	4	17	17	
SEPTBRE.	4	3	5	5	6	7	5	2	3	1	1	1	1	2	4	4	4	4	5	4	4	4	4	6	24	24	
OCTUBRE	8	4	7	5	10	8	5	6	-	1	1	2	2	4	6	7	11	13	11	9	4	4	4	3	22	22	
NOVRE.	4	4	3	4	3	6	2	2	2	2	-	1	2	4	6	5	3	2	4	4	6	3	3	2	22	22	
DIEMBRE.	4	2	2	3	5	3	3	1	-	-	-	-	2	3	5	4	4	4	2	2	2	3	2	2	22	22	
SUMA ANUAL	39	38	43	42	51	46	30	20	13	10	5	5	21	34	50	90	62	71	66	54	43	37	34	38	227	227	

RESUMEN DE ALGUNAS CARACTERÍSTICAS DE LA PRECIPITACION

Estación: Atolón

Año 1.969

MESES	TOTAL				CANTIDAD			DURACION			PRECIPITACION MAXIMA				DURACION MAXIMA				
	m. m.	Días	Noche	Total	Total	Día	Noche	Total	m. m.	Durec.	Int. Max. 6/m.	Int. Max. 1/m.	h. min.	m. m.	Int. Med.	Int. Max. 5 min.	Int. Max. 1 min. (calic.)		
Enero	65.6	13	15	25	42.9	14:30'	14:35'	29:05'	16.3	2:10'	0.12	3.0	2:55'	11.3	0.06	1.0	0.2		
Febrero	64.8	12	11	20	47.1	13:40'	12:05'	25:45'	12.9	1:45'	0.12	2.6	4:20'	7.6	0.03	1.0	0.2		
Marzo	58.6	17	28	33	43.0	17:55'	5:55'	23:50'	13.6	0:55'	0.25	9.0	2:15'	3.3	0.02	0.5	0.1		
Abril	352.6	24	26	50	149.8	37:55'	70:40'	108:35'	56.7	6:15'	0.15	9.1	11:30'	16.1	0.02	1.0	0.2		
Mayo	206.0	22	28	51	69.1	22:30'	36:10'	58:40'	33.5	7:20'	0.08	2.0	7:20'	33.5	0.08	2.0	0.4		
Junio	159.1	18	27	47	107.6	24:10'	25:35'	49:45'	33.5	5:05'	0.11	3.5	8:00'	28.8	0.06	1.5	0.3		
Julio	36.5	10	8	13	30.3	7:45'	4:25'	12:10'	11.2	2:30'	0.07	3.0	2:55'	5.5	0.03	0.5	0.1		
Agosto	101.3	20	23	40	69.8	16:30'	18:50'	35:20'	28.0	1:25'	0.33	9.0	4:20'	1.4	0.01	0.1	-		
Septm.	227.5	16	24	45	88.6	21:40'	42:50'	64:30'	37.4	9:40'	0.06	2.0	9:40'	37.4	0.06	2.0	0.4		
Octbre.	180.7	27	40	69	63.9	41:25'	51:35'	93:00'	42.2	3:00'	0.05	3.2	13:00'	42.2	0.05	3.2	0.6		
Novbre.	127.8	17	17	30	75.2	22:20'	26:30'	48:50'	19.2	2:05'	0.15	2.0	5:55'	8.2	0.02	0.7	0.1		
Dicbre.	141.6	21	19	37	50.6	17:00'	21:05'	38:05'	22.2	1:30'	0.24	6.0	3:05'	15.0	0.08	1.5	0.3		
TOTALES	1,732.1	217	266	468	837.9	257:20'	330:15'	587:35'	326.6	53:40'	XX	XX	75:15'	210.3	XX	XX	XX		

DATOS DIARIOS

Altura 1,410 M.

λ = 76.30' WGR

φ = 40. 30' N

Año 1969

Mes Febrero

Estación Fraillio

Días	TEMPERATURAS °C				TENSION DEL VAPOR m m				Humedad Relativa %			BRILLO SOLAR Horas		PRECIPITACION m m			EVAPORACION m m			VIENTOS								
	7	14	20	Med.	Máx.	Min.	Mínima Sento	7	14	20	Med.	7	14	20	Med.	7	14	20	7	14	20	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA	
1	19.0	20.1	21.6	22.6	28.6	18.0		15.7	11.3	12.7	13.2	95	40	66	67	3.0	9.7											
2	19.0	21.3	20.8	22.0	28.0	18.3		13.8	13.3	14.0	13.7	84	48	76	69	5.0	6.6											
3	19.0	26.6	22.2	22.5	28.0	18.4		15.2	13.0	15.2	14.5	93	50	76	73	6.0	4.7											
4	19.0	24.4	18.1	19.9	25.0	18.4		15.5	14.5	14.7	14.9	94	63	95	84	8.7	2.0	0.4										
5	18.0	26.4	19.2	20.7	27.1	16.8		14.7	13.4	15.4	13.8	95	44	93	77	6.7	1.0											
6	18.3	26.0	21.4	21.8	27.4	17.1		14.9	12.7	13.9	13.8	95	50	72	72	8.0	5.6											
7	19.0	23.9	20.0	20.7	26.3	18.4		14.5	13.8	15.7	14.7	86	62	90	80	7.3	4.9											
8	18.4	19.6	16.4	17.7	20.3	17.6		15.1	13.7	12.6	13.8	95	80	90	88	9.7	3.6											
9	18.0	25.0	19.9	20.7	26.2	17.9		14.9	12.5	15.6	14.3	96	52	90	79	9.3	4.8											
10	18.4	22.6	18.1	19.3	24.3	17.7		15.1	12.3	14.5	14.0	95	46	86	76	7.3	8.6											
11	17.0	25.4	17.6	19.4	26.1	16.1		13.8	11.2	14.5	13.2	95	46	86	76	7.3	8.6											
12	18.5	26.9	19.6	21.2	27.0	17.6		14.7	10.8	13.7	13.1	93	41	80	71	8.0	6.1											
13	19.0	26.2	20.6	21.6	26.6	18.0		15.7	11.1	11.9	12.9	95	43	66	68	3.0	8.0											
14	18.0	27.0	20.4	21.4	27.9	17.6		13.8	11.8	14.6	12.7	90	63	70	68	4.7	8.1											
15	19.0	24.9	20.0	21.0	25.5	18.6		15.2	11.8	13.1	13.4	93	50	75	76	6.0	4.0											
16	19.0	24.6	19.0	20.4	25.3	18.1		15.2	13.9	12.3	13.8	93	45	76	71	4.0	8.0											
17	17.4	26.3	21.0	21.4	26.9	17.1		13.9	11.5	14.2	13.2	93	46	70	70	4.7	6.5											
18	18.2	26.2	20.8	21.5	27.0	16.8	15.0	14.9	11.8	12.8	13.2	95	46	70	70	4.7	6.5											
19	18.6	26.0	21.0	21.5	27.5	17.5	17.0	13.8	10.9	15.6	13.4	90	43	84	72	6.0	7.5											
20	18.6	26.0	20.4	21.4	27.0	17.5	16.5	15.3	11.6	15.4	14.1	95	46	84	76	4.0	4.6											
21	19.0	27.4	21.2	22.2	29.0	17.4	17.0	12.9	11.2	15.1	13.1	78	40	80	66	2.3	10.2											
22	19.4	28.0	21.3	22.5	28.5	18.4	17.6	13.5	12.2	15.1	13.6	80	43	80	68	4.2	7.6											
23	18.3	26.0	19.2	20.7	27.0	17.3	16.5	11.8	12.7	15.0	13.2	75	50	90	72	9.3	3.4	1.8										
24	18.3	21.0	20.0	19.8	27.5	17.0	17.0	14.8	12.6	14.9	13.8	96	93	85	91	6.7	4.7											
25	19.0	24.9	21.0	22.5	26.0	18.0	17.0	14.8	12.6	14.0	13.8	90	53	75	73	8.3	3.3	2.4										
26	18.6	27.6	22.0	22.6	29.0	17.9	16.4	14.4	12.1	14.9	13.8	90	44	75	70	5.0	8.5											
27	19.2	27.0	21.0	22.0	29.0	18.0	17.1	14.7	10.9	14.9	13.5	88	41	80	70	6.0	5.4											
28	18.5	29.0	22.0	22.9	29.3	17.5	15.9	15.1	13.4	15.0	14.5	94	44	76	71	4.7	6.7											
29																												
30																												
31																												
Med	18.5	25.7	20.2	21.2	26.9	17.7	(16.5)	14.6	12.4	14.3	13.7	91	51	80	74	6.0	5.9	0.2	0.8	2.0	3.0							

Precipitación total : 84.1 m.m.

DATOS DIARIOS

Estación 525110

Mes 7-1969

Año 1969

☉ 4° 20' N ☽ 161° 50' W ØØ

Altura 1.410 M.

Días	TEMPERATURAS °C						TENSION DEL VAPOUR m m						Humedad Relativa %			NUBES DECIMOS	Brillo Solar Horas	PRECIPITACION m m			VIENTOS			
	7	14	20	Med.	MAX.	Min.	Mínima Scale	7	14	20	Med.	7	14	20	Med.			7	14	20	Total	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA
1	19.0	26.1	20.4	21.5	27.0	18.0	17.0	15.7	12.8	11.5	14.0	95	90	75	73	10.0	4.6	—	—	—	—	—	—	
2	19.0	23.0	19.6	20.3	23.0	18.6	18.0	16.2	13.2	15.5	15.0	98	63	91	84	10.0	—	1.3	27.0	0.6	27.7	—	—	
3	18.3	26.2	21.1	21.7	26.5	17.5	16.5	14.5	12.8	13.2	13.5	93	70	71	8.0	2.8	0.1	—	—	—	—	—	—	
4	18.4	26.9	18.4	20.5	28.5	18.0	16.0	13.5	13.2	15.1	13.9	85	90	95	77	5.0	5.3	—	—	9.7	13.9	—	—	
5	18.4	27.0	21.0	21.8	27.4	17.5	16.0	15.1	13.4	14.9	14.5	95	90	80	75	3.3	8.0	4.2	—	—	—	—	—	
6	18.5	28.2	21.0	22.2	28.5	17.5	16.0	14.4	11.5	13.0	13.0	90	40	70	67	2.7	10.0	—	—	—	—	—	—	
7	18.6	28.2	21.0	22.2	29.0	17.5	17.0	14.4	11.5	12.3	12.7	90	40	66	65	2.3	10.3	—	—	—	—	—	—	
8	18.5	27.6	21.8	22.3	28.3	16.5	15.5	13.8	12.4	11.0	12.4	90	45	60	65	3.3	8.0	—	—	—	—	—	—	
9	18.0	30.2	21.6	22.8	30.5	17.6	16.5	13.8	12.8	14.5	13.7	90	40	75	68	9.0	9.7	—	—	—	—	—	—	
10	19.0	27.0	20.0	21.5	28.8	18.6	18.0	14.8	12.2	15.8	14.3	90	45	90	75	8.3	4.7	—	—	—	—	—	—	
11	18.4	27.4	18.4	20.6	27.5	17.5	17.0	15.1	13.5	14.6	14.4	95	50	93	79	3.7	5.0	—	—	—	—	—	—	
12	18.1	25.1	18.0	19.8	25.5	17.5	16.8	14.8	12.8	11.6	13.1	95	53	75	74	4.3	2.8	0.8	—	—	—	—	—	
13	17.2	26.4	20.8	21.3	26.9	16.0	15.2	13.5	11.4	11.9	12.3	92	44	65	67	4.7	6.7	—	—	—	—	—	—	
14	18.0	27.0	20.6	21.6	28.0	17.3	16.5	13.8	9.5	11.5	11.6	90	36	63	63	2.0	8.8	—	—	—	—	—	—	
15	17.6	24.0	19.0	19.9	24.5	15.0	14.6	14.5	10.2	10.1	11.6	96	46	65	69	2.3	10.6	—	—	—	—	—	—	
16	17.6	27.0	20.0	21.2	27.6	15.4	14.0	14.2	9.5	11.2	11.6	94	36	64	65	2.7	9.7	—	—	—	—	—	—	
17	17.6	27.0	20.0	21.2	27.6	15.4	14.0	14.2	9.5	11.2	11.6	94	36	64	65	2.7	9.7	—	—	—	—	—	—	
18	18.0	25.2	20.0	20.8	25.5	16.9	15.6	13.6	13.0	12.2	12.4	88	54	70	71	6.0	2.1	—	—	—	—	—	—	
19	18.0	27.8	21.6	22.2	28.2	16.5	15.6	13.8	13.1	11.6	12.2	90	40	60	63	8.0	8.9	—	—	—	—	—	—	
20	18.4	26.9	22.2	22.4	28.4	17.3	16.5	14.2	12.0	10.0	12.7	90	45	60	65	8.3	8.7	—	—	—	—	—	—	
21	19.4	27.3	19.0	21.2	28.5	18.0	17.5	15.2	12.3	15.9	14.5	90	45	96	77	5.3	5.3	—	—	—	—	—	—	
22	18.0	25.1	20.8	21.2	25.5	16.0	15.3	14.7	13.1	12.8	13.5	95	55	70	73	4.7	6.5	1.1	—	—	—	—	—	
23	18.0	26.2	20.4	21.2	27.0	17.7	17.0	13.8	15.5	13.5	14.3	90	60	80	77	6.7	5.3	—	—	—	—	—	—	
24	19.0	26.0	19.4	21.0	26.8	17.4	16.4	15.7	11.3	13.5	13.5	95	45	80	73	6.3	9.0	—	—	—	—	—	—	
25	18.0	24.0	18.8	19.9	25.0	15.2	14.7	13.5	14.6	14.3	14.3	95	60	90	82	8.7	2.2	1.6	1.2	0.2	1.4	—	—	
26	17.0	27.0	19.0	20.5	28.0	16.0	15.3	13.6	12.2	15.9	14.0	95	45	96	79	8.7	6.6	—	—	—	—	—	—	
27	19.0	26.4	20.3	21.5	26.4	16.0	15.3	15.7	13.0	12.4	13.7	95	50	70	72	6.7	6.4	—	—	—	—	—	—	
28	18.0	24.0	20.0	20.5	26.0	17.0	17.5	14.9	13.5	15.8	14.7	96	60	90	82	6.7	3.6	20.9	—	—	—	—	—	
29	18.0	25.3	18.8	20.2	26.0	16.8	16.0	14.7	12.1	15.0	13.9	95	50	91	79	5.0	8.5	—	—	—	—	—	—	
30	18.0	25.4	20.0	20.8	26.4	17.0	16.3	15.6	17.0	14.9	15.8	100	70	85	85	9.0	4.0	5.6	—	—	—	—	—	
31	18.3	25.4	19.4	20.6	27.3	17.1	16.3	14.0	12.3	16.1	14.1	90	50	95	78	6.0	3.8	—	—	—	—	—	—	
Med	18.2	26.3	20.1	21.2	27.1	17.1	16.2	14.6	12.4	13.5	13.5	93	49	77	73	5.9	6.3	1.1	0.9	2.1	4.3	—	—	

Precipitación total : 134.0 mm.

DATOS DIARIOS

Estación FRANJILLO Mes ABRIL Año 1969 $\phi = 4^{\circ} 30' N$ $\lambda = 76^{\circ} 20' WGR$ Altura 1.410 M.

Días	TEMPERATURAS						TENSION DEL VAPOR			Humedad Relativa %			Brillo Solar Horas	PRECIPITACION m m			EVAPORACION m m	VIENTOS					
	Méd.		Máx.	Min.	Mínima Sueto	m m		Med.		%		m m			7			14		20			
	7	14	20	Med.	20	21.0	14.0	20.0	7	14	20	Med.		7	14	20		Total	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA		
1	19.0	25.3	21.6	21.9	26.5	17.1	16.0	14.8	12.1	14.6	13.8	90	20	76	72	7.7	4.5						
2	19.4	26.8	22.6	23.4	29.0	19.0	18.5	15.2	13.5	14.5	14.4	95	45	70	68	8.3	5.2						
3	19.6	26.0	21.4	22.1	26.5	18.6	18.0	16.3	14.9	15.3	15.5	95	60	80	78	9.3	1.7						
4	19.4	26.0	19.6	21.2	27.0	18.8	18.0	15.2	14.9	16.3	16.5	90	60	95	82	6.7	2.6						
5	19.0	24.4	19.6	20.6	25.0	18.3	17.5	16.2	16.1	14.5	15.6	98	70	85	84	6.0	1.2						
6	19.0	23.0	19.6	20.3	24.0	18.0	17.5	15.7	12.6	14.5	14.3	95	60	85	80	8.0	0.3						
7	19.0	25.0	20.4	21.2	25.5	18.6	17.8	15.7	12.6	14.5	14.3	95	53	80	76	6.7	3.8						
8	18.8	23.0	19.6	20.2	25.6	17.6	16.5	14.6	8.5	15.7	12.9	90	40	93	74	6.0	6.8						
9	18.4	24.9	20.0	20.8	26.0	17.6	17.0	15.3	13.8	15.8	14.3	96	50	90	79	3.4	7.0						
10	18.8	26.0	21.0	21.7	26.5	17.3	16.1	13.7	13.9	13.0	13.5	85	55	70	70	8.0	3.2						
11	18.0	23.0	19.0	19.8	24.0	17.4	16.1	14.7	16.9	15.7	15.8	95	80	95	90	7.3	0.9						
12	18.0	25.0	19.0	20.2	25.5	16.8	16.0	14.7	11.9	13.9	13.5	95	50	85	77	6.7	4.8						
13	18.0	23.0	19.0	19.8	25.0	17.4	16.6	13.8	10.6	15.7	13.4	90	50	95	78	6.7	3.8						
14	18.6	24.0	20.0	20.6	24.9	18.0	17.4	16.1	13.5	14.1	14.6	100	60	80	80	9.3	1.5						
15	18.2	24.0	20.0	20.6	25.0	17.6	17.0	14.9	16.5	16.6	16.0	95	73	95	88	8.7	1.6						
16	18.4	22.0	19.4	19.8	22.0	17.4	16.1	14.6	15.8	14.0	14.8	93	80	83	85	7.3	0.1						
17	18.0	24.0	19.4	20.2	24.5	17.5	17.0	12.7	13.5	15.2	13.8	82	60	90	77	8.7	1.5						
18	18.1	21.0	18.8	19.2	26.0	17.0	16.0	12.4	14.5	15.5	14.1	80	80	95	85	5.3	6.8						
19	17.6	26.3	20.4	21.2	26.4	17.3	16.4	14.4	15.1	16.1	15.2	95	60	90	82	4.7	6.1						
20	18.4	25.0	20.0	20.8	27.0	18.0	17.3	15.1	14.2	14.9	14.7	95	60	85	80	6.7	4.9						
21	18.6	26.3	21.0	21.7	27.0	18.0	17.2	14.8	13.5	14.0	14.1	93	53	75	74	10.0	5.8						
22	19.6	22.0	18.0	19.4	24.9	18.3	17.5	16.3	13.8	14.7	14.9	95	70	95	87	8.1	0.8						
23	17.9	23.0	20.6	20.5	24.9	16.5	15.4	13.7	12.6	16.2	14.2	90	60	90	80	10.0	2.9						
24	19.0	23.8	19.0	20.2	22.0	18.1	17.3	13.9	15.6	16.5	15.3	85	70	100	85	9.3	3.6						
25	17.8	22.0	18.6	19.2	22.9	17.6	16.7	15.4	14.9	13.5	14.6	100	75	85	87	2.0							
26	17.0	26.8	22.0	22.0	27.0	16.6	15.5	13.1	10.5	15.8	13.1	90	40	80	70	4.3	8.6						
27	21.0	26.0	23.2	23.1	29.4	18.0	17.1	15.7	13.7	15.0	14.7	85	45	70	67	8.0	9.0						
28	20.6	27.0	21.0	22.4	27.5	19.0	18.0	17.2	16.2	16.7	16.7	95	60	90	82	8.7	2.9						
29	20.0	25.8	21.0	22.0	26.5	18.6	17.4	15.8	13.3	16.7	15.3	90	53	80	78	9.3	4.6						
30	19.2	26.2	21.0	21.8	26.5	18.3	17.3	15.4	12.8	14.9	14.4	93	90	80	74	9.3	4.7						
31																							
Med.	18.7	24.7	20.2	21.0	25.7	17.8	16.9	14.9	13.7	15.1	14.6	92	59	86	79	7.5	3.5	4.6	0.7	4.7	9.8		

Precipitación total : 294.2 m.m.

DATOS DIARIOS

Estación Trujillo Mes Mayo Año 1969 $\phi = 41^{\circ} 10' N$ $\lambda = 76^{\circ} 20' WGR$ Altura 1.410 M.

Días	TEMPERATURA °C						TENSIÓN DEL VAPOUR mm Hg						Humedad Relativa %			NUBES DECIMOS	Brillo Solar Horas	PRECIPITACION mm			VIENTOS				
	7	14	20	Med.	Máx.	Mín.	Mínima Suab	7	14	20	Med.	7	14	20	Med.			7	14	20	Total	DIRECCION	FUERZA	DIRECCION	FUERZA
1	19.0	24.8	20.0	21.0	25.5	18.3	17.4	15.7	13.0	15.2	14.6	95	55	81	79	10.0	1.4	—	—	—	—	—	—	—	—
2	19.0	23.0	18.0	19.5	25.0	17.7	17.0	15.7	14.0	14.7	14.8	95	66	95	85	8.7	3.9	0.3	0.3	11.2	19.2	—	—	—	—
3	17.9	24.4	20.6	20.9	24.9	17.6	16.6	14.6	14.6	14.5	13.7	93	63	70	75	8.0	4.8	5.7	—	—	—	—	—	—	—
4	19.0	24.8	20.6	21.2	26.0	18.4	17.3	15.7	15.2	14.5	15.1	95	68	80	80	5.3	3.4	5.8	—	—	—	—	—	—	—
5	19.2	25.0	19.6	20.8	26.5	18.1	16.4	15.0	14.2	15.4	14.9	96	60	80	80	5.0	8.2	11.8	—	—	—	—	—	—	—
6	18.5	27.4	21.4	22.2	27.5	17.5	16.5	13.5	14.5	15.3	14.4	85	53	80	73	7.3	9.4	1.8	—	—	—	—	—	—	—
7	19.2	25.4	18.6	20.4	27.5	18.0	17.5	13.3	14.6	15.3	14.4	80	60	95	78	6.7	6.5	—	—	—	—	—	—	—	—
8	18.2	24.4	21.2	21.2	26.5	15.4	14.6	14.0	15.0	15.1	14.7	90	65	80	78	10.0	3.8	—	—	—	—	—	—	—	—
9	19.2	23.0	18.4	19.8	23.6	18.6	17.1	15.9	16.9	15.3	16.0	95	80	95	90	8.0	—	—	—	—	—	—	—	—	—
10	18.0	23.0	19.2	19.8	23.6	17.4	16.1	14.7	16.9	15.4	15.7	95	80	93	89	3.7	1.2	20.7	—	—	—	—	—	—	—
11	19.6	26.2	20.6	21.8	26.5	17.6	16.7	15.4	16.3	13.6	14.4	90	56	75	74	6.0	8.1	—	—	—	—	—	—	—	—
12	18.6	26.6	21.6	22.1	27.5	17.4	16.8	14.4	14.4	16.4	15.7	90	55	95	90	8.0	7.8	—	—	—	—	—	—	—	—
13	19.6	25.0	20.0	21.2	25.5	18.6	18.0	15.4	15.1	15.8	15.4	90	64	90	81	10.0	3.1	—	—	—	—	—	—	—	—
14	19.2	21.4	18.0	19.2	22.0	17.9	17.0	15.0	16.3	14.7	15.1	90	66	95	90	8.0	4.1	5.7	—	—	—	—	—	—	—
15	17.9	24.0	20.6	20.8	24.4	16.6	15.4	14.6	14.6	14.6	14.8	95	65	85	82	4.0	3.8	12.0	—	—	—	—	—	—	—
16	19.0	25.6	21.4	21.8	26.0	18.3	17.4	14.8	14.7	15.3	14.9	90	60	80	77	8.0	4.7	—	—	—	—	—	—	—	—
17	20.0	25.4	21.2	22.0	26.0	18.0	17.1	15.8	13.5	15.1	14.8	90	55	80	75	9.3	6.1	—	—	—	—	—	—	—	—
18	19.0	26.0	21.0	21.8	26.5	17.6	16.9	15.2	12.7	14.9	14.3	93	50	80	74	8.7	5.6	—	—	—	—	—	—	—	—
19	19.2	26.0	21.0	21.8	26.0	18.5	17.5	15.9	14.7	10.3	13.6	95	58	55	69	8.3	4.3	0.4	—	—	—	—	—	—	—
20	19.0	26.6	20.2	21.5	27.0	17.5	16.4	15.7	15.8	15.9	15.8	95	60	90	82	10.0	6.3	—	—	—	—	—	—	—	—
21	19.2	25.0	20.2	21.2	25.5	18.2	16.9	16.7	15.0	16.8	16.2	100	63	90	86	4.0	2.7	—	—	—	—	—	—	—	—
22	18.0	26.0	21.6	22.1	26.5	16.8	16.0	13.8	12.7	14.0	13.5	90	50	73	71	9.0	6.2	0.1	—	—	—	—	—	—	—
23	19.9	26.0	21.2	22.1	26.5	19.0	18.3	16.4	13.9	15.1	15.1	95	55	80	77	5.0	4.5	3.1	—	—	—	—	—	—	—
24	19.4	26.8	21.8	22.5	28.0	18.0	17.1	16.1	13.2	13.6	14.3	95	70	72	5.0	9.4	0.6	—	—	—	—	—	—	—	—
25	20.0	27.6	23.0	23.4	28.5	18.1	17.4	14.9	15.2	14.8	15.0	85	55	70	70	8.0	9.4	—	—	—	—	—	—	—	—
26	20.0	27.6	23.0	23.0	25.9	19.6	19.0	17.0	15.0	15.1	15.7	95	63	80	78	8.0	—	—	—	—	—	—	—	—	—
27	19.0	26.2	20.8	21.7	26.5	17.7	17.0	14.8	15.5	14.7	15.0	90	60	80	77	7.3	4.9	—	—	—	—	—	—	—	—
28	19.2	26.2	22.0	22.4	26.6	17.9	17.0	14.1	14.0	13.8	13.9	85	55	70	70	7.3	6.1	—	—	—	—	—	—	—	—
29	19.2	26.2	20.6	21.6	26.4	18.1	17.1	15.4	12.8	13.6	13.9	93	50	75	73	7.3	3.8	1.0	—	—	—	—	—	—	—
30	19.4	26.2	21.6	22.2	27.5	17.6	17.0	15.2	12.8	15.4	14.5	90	50	80	73	8.7	7.3	—	—	—	—	—	—	—	—
31	20.0	29.6	21.0	21.9	26.5	18.5	17.4	16.6	14.7	14.0	15.1	95	60	75	77	9.3	3.0	0.9	—	—	—	—	—	—	—
Med	19.1	25.3	20.6	21.4	26.1	17.9	17.0	15.2	14.5	14.8	14.8	92	60	82	78	7.3	4.8	2.4	—	—	—	—	—	—	—

Presipitacdo total : 176.7 mm.

DATOS DIARIOS

Altura 1.410 M.

λ = 76° 20' WGR

φ = 4° 10' N

AÑO 1969

Mes Junio

Estación 333110

Días	TEMPERATURAS				TENSIÓN DEL VAPOR				Humedad Relativa			BRILLO SOLAR Horas	PRECIPITACION			EVAPORACION	VIENTOS										
	7	14	20	Med.	Máx.	Mín.	Mínima Sueto	7	14	20	Med.		7	14	20		Total	7	14	20	Total	DIREC. CION	FUERZA Km./Hora	DIREC. CION	FUERZA Km./Hora	DIREC. CION	FUERZA Km./Hora
1	18.2	24.0	19.0	20.0	24.5	17.6	16.3	14.5	11.2	14.8	13.5	93	50	90	78	9.1	5.1	10.4	0.5	54.8	54.8						
2	18.4	25.0	18.0	19.8	25.6	18.0	17.1	12.8	13.1	15.6	13.8	80	55	100	78	9.7	2.5			9.1	9.3	20.4					
3	18.2	21.0	18.2	18.9	23.0	16.2	15.4	14.5	11.3	14.9	13.6	93	60	95	83	9.7	0.7	2.0				7.9					
4	18.2	26.0	20.6	21.4	26.3	17.5	17.0	14.5	12.7	15.3	14.2	93	50	85	76	8.7	2.8										
5	18.2	23.0	18.8	19.7	25.0	17.5	16.5	14.9	15.8	14.6	15.1	95	75	90	87	9.3	3.8	7.9	6.3								
6	19.2	26.0	20.0	21.1	27.0	16.0	15.0	15.6	12.7	14.1	14.1	94	50	80	75	8.0	4.9	0.7	1.1								
7	18.6	23.0	20.0	20.7	24.5	17.0	16.0	14.4	15.8	14.5	14.9	90	75	80	82	5.7	5.6										
8	17.8	25.6	21.0	21.4	25.1	17.2	16.5	14.6	13.6	14.0	14.1	95	55	75	75	6.7	5.5										
9	19.6	24.9	20.0	21.1	26.5	17.2	16.0	15.4	14.0	14.1	14.5	90	60	80	77	8.0	2.5										
10	19.0	26.4	20.4	21.6	26.8	17.9	17.0	15.5	13.0	15.3	14.6	95	60	85	76	6.7	3.9										
11	18.6	25.4	21.0	21.5	25.5	18.0	17.5	15.3	14.6	14.0	14.3	95	60	70	75	7.3	3.8										
12	19.6	26.0	20.4	21.6	27.0	17.3	16.5	15.8	13.9	14.5	14.7	93	55	80	76	7.3	4.7										
13	18.0	26.0	20.0	21.0	26.0	17.0	16.0	13.8	12.7	14.7	13.7	90	50	95	78	6.0	4.5										
14	17.0	23.0	19.4	19.7	24.4	15.5	15.0	13.8	12.4	12.7	13.0	95	59	75	76	6.0	2.3	0.9									
15	18.2	26.6	20.8	21.6	26.9	16.5	15.0	14.0	13.0	14.7	13.9	90	50	80	73	7.0	6.5										
16	18.6	26.2	20.8	21.6	26.8	17.0	16.0	14.8	11.5	13.8	13.4	93	45	75	71	4.0	7.7										
17	18.0	25.2	21.6	21.6	26.8	16.5	15.5	14.0	13.3	12.6	13.3	91	55	65	70	6.0	5.9										
18	18.0	26.6	20.4	21.4	27.4	17.6	15.9	13.8	11.9	16.0	13.9	90	45	90	75	8.7	6.7										
19	18.6	24.3	20.2	20.8	24.5	17.9	17.5	15.3	13.5	13.5	13.4	95	60	75	77	3.3	5.0										
20	19.0	26.0	21.0	21.8	26.4	16.5	15.5	13.9	12.7	13.0	13.2	85	50	70	68	3.0	9.1	29.2									
21	18.6	24.2	20.2	20.8	24.5	16.0	15.5	15.3	15.9	14.3	15.2	95	70	80	82	5.3	2.8										
22	19.4	26.0	22.0	22.4	26.0	17.0	15.5	15.6	13.9	13.6	14.4	93	55	68	72	6.7	7.7	0.2									
23	19.4	25.3	20.6	21.5	26.3	17.5	17.0	15.2	13.6	13.3	14.0	90	56	75	74	7.7	6.9	0.3									
24	19.4	26.0	20.2	21.4	27.0	18.5	17.5	15.8	11.3	15.1	14.1	94	45	85	75	6.0	6.0										
25	18.0	26.0	21.6	21.8	26.5	17.0	16.5	14.7	13.9	13.4	14.0	95	55	70	73	7.3	6.6										
26	19.4	25.4	21.4	21.9	25.5	17.0	16.5	16.1	14.6	12.4	14.4	95	60	65	73	7.3	2.6	0.4									
27	18.6	21.0	18.2	19.0	21.5	17.5	16.5	14.8	15.4	14.0	14.7	93	83	90	89	10.0		23.2	3.6								
28	18.0	24.9	20.4	20.9	25.5	16.0	15.0	14.6	13.0	11.6	13.1	94	55	65	71	8.0	5.7										
29	18.0	25.2	19.6	20.4	25.9	17.0	16.5	13.8	13.3	13.7	13.6	90	55	60	75	6.0	7.6										
30	18.4	24.0	21.0	21.1	25.0	17.0	16.5	15.1	14.6	13.0	14.2	95	65	70	77	8.0	2.6										
31																											
Med.	18.5	24.9	20.2	21.0	25.7	17.1	16.2	14.7	13.4	13.9	14.0	92	57	79	76	7.0	4.6	3.7	0.7	3.0	7.1						

Precipitación total : 213.5 mm.

DATOS DIARIOS

Estación Fraxillio Mes Julio Año 1969 ϕ 4° 10' N λ 165° 20' WGR Altura 1,410 M.

Días	TEMPERATURAS					TENSION DEL VAPOR					Humedad Relativa %			Brillo Solar Horas	PRECIPITACION mm			VIENTOS						
	7	14	20	Med.	Máx.	Mín.	Mínima Suete	7	14	20	Med.	7	14		20	Med.	7	14	20	Total	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA
1	17.8	25.6	21.4	21.6	26.5	16.0	15.0	14.4	13.1	14.4	14.0	94	51	75	74	6.0	4.9							
2	18.0	25.0	20.0	20.8	25.5	17.5	16.5	14.7	15.0	14.9	14.9	95	63	85	81	6.7	3.1							
3	19.0	26.0	19.6	21.0	26.5	16.5	15.0	14.8	10.9	14.5	13.4	90	43	85	73	4.0	6.8							
4	17.6	27.2	20.2	21.3	28.0	15.5	14.5	13.5	12.5	14.3	13.4	90	46	80	72	6.1	10.1							
5	19.2	25.6	21.2	21.2	26.0	17.0	16.0	14.2	12.3	14.2	13.6	86	50	75	70	3.0	4.4							
6	19.0	27.0	19.0	21.0	27.0	17.0	16.5	15.7	13.4	14.8	14.6	95	50	90	78	6.7	1.4							
7	18.0	29.4	21.4	21.6	26.5	15.5	15.0	14.7	12.4	12.6	13.2	95	51	66	71	6.0	7.4							
8	18.8	26.9	21.6	22.2	27.5	17.6	17.0	14.8	12.0	12.6	13.1	90	45	65	67	5.1	6.5	0.1						
9	17.8	27.0	21.4	21.9	27.5	16.0	15.0	13.9	13.4	15.3	14.2	92	50	80	74	7.3	8.9							
10	18.4	25.4	21.4	21.6	26.3	16.9	15.8	15.0	12.9	13.2	13.7	94	53	70	72	8.7	6.7	0.1						
11	19.0	25.4	20.2	21.2	26.0	17.8	16.5	15.2	12.9	13.1	13.8	93	53	75	72	4.7	3.2							
12	17.8	26.8	20.0	21.2	29.3	16.3	15.4	13.7	12.0	13.1	12.9	90	45	75	70	2.3	10.2							
13	19.0	28.2	20.4	22.0	29.0	16.4	15.3	14.8	9.7	13.6	12.7	90	34	70	65	3.0	10.9							
14	18.0	27.4	20.6	21.6	28.5	16.3	15.5	12.5	8.3	10.7	10.5	81	30	59	57	6.0	10.5							
15	18.0	24.4	20.0	20.6	25.0	15.5	15.0	14.7	10.7	12.2	12.5	95	47	70	71	5.7	4.1							
16	18.4	27.0	21.0	21.8	28.0	16.5	15.5	14.6	10.7	13.0	12.8	93	40	70	68	6.0	8.6							
17	19.0	25.4	20.2	21.2	27.0	15.6	14.5	14.8	10.8	11.6	12.4	90	45	66	67	5.0	7.3							
18	18.8	28.0	21.4	22.4	28.4	16.0	15.0	13.7	11.3	12.4	12.5	95	40	65	63	6.0	9.4							
19	19.0	27.8	21.6	22.5	28.8	16.5	15.5	14.8	14.1	14.8	14.6	90	50	72	71	4.7	8.9							
20	19.4	28.2	21.4	22.6	28.8	16.0	14.0	13.2	8.3	12.4	12.0	90	40	65	60	6.0	9.3							
21	19.0	29.4	23.0	23.6	29.5	16.8	14.5	13.2	9.1	14.8	12.4	90	30	70	68	4.3	9.5							
22	19.4	29.8	21.8	24.0	30.5	17.3	15.5	14.6	9.0	11.1	11.6	87	30	50	56	5.3	9.7							
23	18.6	29.4	21.0	22.5	30.0	15.5	13.0	12.9	8.8	10.3	10.7	80	28	55	54	5.7	9.4							
24	19.2	28.0	21.0	22.3	29.0	15.8	13.9	14.2	8.6	13.0	11.9	86	30	70	62	5.7	9.7							
25	19.2	26.8	21.4	22.3	27.5	17.0	16.0	15.6	11.5	13.3	13.5	93	43	70	69	4.3	6.4							
26	19.2	25.0	21.0	21.6	26.5	16.5	15.0	14.2	13.1	13.0	13.4	86	55	70	70	4.0	4.0							
27	19.3	27.2	22.0	22.6	28.5	16.5	15.0	13.3	11.0	13.8	12.7	80	40	70	63	5.3	7.2							
28	19.0	29.0	21.2	22.6	29.5	16.0	14.0	13.9	10.5	13.2	12.5	85	35	70	63	6.0	8.8							
29	19.2	29.8	21.4	32.0	27.0	17.0	15.9	15.0	13.7	12.4	13.7	90	55	65	70	9.3	3.7							
30	18.8	24.0	19.1	20.2	25.0	16.9	15.8	15.4	13.5	14.1	14.3	94	60	85	80	6.7	1.9							
31	18.4	25.2	20.0	20.9	25.6	17.0	16.3	15.6	12.1	12.2	13.3	98	50	73	4.0	2.4	1.5							
Med.	18.7	26.7	20.9	21.8	27.5	16.5	15.3	14.4	11.5	13.2	13.0	90	45	71	68	5.5	7.1	0.1						

Precipitación total 75.5 mm.

DATOS DIARIOS

Estación FRUJILLO Mes AGOSTO Año 1969 ϕ -45 10' N λ 76 20' W GR Altura 1.410 M

Días	TEMPERATURAS					TENSION DEL VAPOR					Humedad Relativa			NUBESIDAD		PILLO SOLAR		PRECIPITACION			VIENTOS						
	7	14	20	Med.	Máx.	Mín.	Mínimo Scala	7	14	20	Med.	7	14	20	Med.	Horas	Total	7	14	20	Total	7	14	20			
																									EVAPORACION		
																									DIRECCION	FUERZA	Km./Hora
1	19.0	26.0	20.6	21.6	27.5	17.0	16.2	13.9	11.1	11.8	12.1	83	45	65	65	6.0	1.4										
2	18.6	28.0	21.4	22.4	29.0	16.0	15.0	14.4	11.1	12.4	12.1	90	40	65	5.0	9.1											
3	19.2	27.1	20.0	21.6	28.0	16.5	15.0	15.0	11.0	13.1	13.0	90	40	75	68	1.1	4.6										
4	17.4	26.2	21.0	21.4	26.5	15.5	14.0	14.2	8.8	10.9	11.3	95	35	58	61	5.0	5.8										
5	19.0	28.6	21.0	22.4	29.5	17.5	16.0	14.8	10.5	13.0	12.8	90	36	70	65	5.3	8.7										
6	19.1	27.2	18.2	20.7	28.5	16.0	15.0	14.8	11.0	14.0	13.3	90	40	90	71	9.3	7.1										
7	18.2	23.3	20.2	20.5	24.2	16.0	15.5	14.9	12.8	12.4	13.4	95	60	70	75	8.3	1.0	0.2									
8	18.8	24.0	20.0	20.8	24.0	16.5	16.0	15.3	11.2	10.7	12.4	95	60	60	68	8.0	4.4	1.5									
9	16.8	26.0	20.0	20.7	26.5	14.5	14.5	13.5	12.2	11.5	12.4	94	48	66	69	6.7	6.7										
10	18.4	27.0	19.4	21.0	27.5	17.1	16.0	14.2	11.0	11.8	12.3	90	40	70	67	8.1	7.8										
11	17.6	25.8	20.0	20.8	26.5	16.0	14.5	11.8	11.2	10.9	11.1	91	40	50	60	8.0	6.2	0.1									
12	17.4	26.0	22.0	21.8	27.0	16.0	15.0	13.6	10.0	9.8	11.1	91	40	50	71	7.2	9.0	4.4	0.5								
13	17.1	25.4	18.6	19.9	26.5	15.5	14.5	13.8	12.3	11.4	12.5	95	50	70	68	1.7	5.7										
14	18.0	26.0	20.4	21.2	27.0	16.3	15.3	13.8	11.3	12.6	12.6	90	45	70	75	2.3	1.0										
15	18.2	25.0	19.8	20.7	25.5	16.7	15.4	14.9	13.4	13.0	13.8	95	36	75	64	6.7	8.0	8.2									
16	18.2	25.6	21.6	21.8	27.0	16.5	15.5	14.0	11.8	12.2	12.7	90	48	64	67	8.0	8.2										
17	18.2	24.6	20.2	20.8	25.5	17.8	17.0	14.9	12.8	13.3	13.7	95	55	75	75	6.7	3.8	1.8	0.6								
18	17.6	25.8	20.4	21.0	27.0	15.9	15.0	14.4	11.2	12.6	12.7	95	45	70	70	8.0	8.7										
19	17.8	22.8	20.0	20.2	25.1	17.0	16.1	14.6	12.5	13.0	13.4	95	60	74	76	9.3	2.5	2.7	1.8								
20	17.6	25.0	20.2	20.8	26.8	16.6	15.4	13.5	13.4	13.3	13.4	90	56	75	74	8.7	3.4										
21	17.0	25.0	20.6	20.8	28.5	15.7	15.0	13.1	13.1	12.7	13.0	90	55	70	72	6.7	2.9	1.9									
22	18.2	25.1	20.4	21.0	25.5	16.6	16.0	14.9	12.9	12.9	13.6	95	54	72	74	6.0	5.7	1.4									
23	18.4	25.0	20.8	20.8	25.0	16.8	16.0	14.6	13.1	14.1	13.9	93	55	80	76	7.0	5.0										
24	18.1	25.6	17.4	19.6	26.5	17.0	16.2	14.7	11.8	13.3	13.3	95	48	90	78	8.0	5.8										
25	17.4	23.0	19.6	19.9	24.5	16.4	14.5	14.2	11.7	12.9	12.9	95	55	75	75	8.7	4.0										
26	17.0	25.9	20.0	20.7	27.0	16.0	15.3	13.8	11.2	14.2	13.1	95	65	81	74	8.7	6.9	23.8									
27	18.6	23.1	20.2	20.5	25.0	15.8	15.0	14.4	12.6	12.4	13.1	90	60	70	72	6.7	2.5										
28	18.0	26.4	20.4	21.3	27.5	17.6	16.6	14.9	13.0	13.1	13.7	95	48	75	73	8.0	5.9										
29	18.0	26.4	20.4	21.3	27.0	16.3	15.0	13.8	11.7	12.6	12.7	90	45	70	68	1.3	7.0	0.3									
30	18.4	25.0	21.9	21.8	27.0	17.5	16.5	15.0	12.6	13.3	13.6	94	53	68	72	6.7	5.5	2.6									
31	19.0	26.4	21.4	22.0	27.2	17.9	17.0	14.8	11.7	11.5	12.7	90	45	60	65	8.7	5.5										
Med.	18.1	25.6	20.2	21.0	26.5	16.5	15.5	14.3	11.8	12.6	12.9	92	48	71	70	7.5	5.5	1.2	0.1	0.4	1.8						

Precipitación total : 56.6 mm.

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DATOS DIARIOS

Estación Trujillo Mes Octubre Año 1969 ϕ 4° 20' N λ 169° 20' WGR Altura 1.410 M.

Dias	TEMPERATURAS						TENSION DEL VAPOR			Humedad Relativa %			NUBESIDAD	Brillo Solar Horas	PRECIPITACION m m			EVAPORACION m m	VIENTOS									
	7	14	20	Med.	Máx.	Mín.	Mínima Saebto	7	14	20	Med.	7			14	20	Total		7	14	20	Total	DIRECCION	FUERZA Km./hora	DIRECCION	FUERZA Km./hora	DIRECCION	FUERZA Km./hora
1	17.4	21.0	16.1	17.6	21.5	16.0	15.2	14.2	14.0	12.3	13.5	25	15	20	87	8.0	0.1	19.0	11.0	—	11.4	—	—	—	—	—	—	
2	17.0	24.2	19.6	20.1	25.0	15.5	14.5	13.8	13.5	15.5	16.3	95	60	91	82	10.0	4.6	0.4	—	—	—	1.8	52.4	—	—	—	—	
3	17.2	23.2	17.8	19.0	23.0	17.0	16.0	13.9	13.4	14.6	13.1	94	53	95	81	10.0	0.8	50.6	0.1	23.3	28.0	—	—	—	—	—	—	
4	18.2	20.4	18.4	18.6	21.0	17.3	16.6	14.9	12.6	14.7	14.1	95	70	93	86	7.0	0.2	4.6	11.5	6.3	20.2	—	—	—	—	—	—	
5	16.8	22.0	17.6	18.5	22.4	16.0	15.0	13.4	9.8	13.5	12.2	93	90	90	78	10.0	0.5	2.4	0.1	—	0.1	—	—	—	—	—	—	
6	17.3	23.6	19.4	20.0	23.9	16.4	15.5	14.0	9.9	11.8	11.9	95	45	70	70	8.7	2.0	—	—	—	—	—	—	—	—	—	—	
7	17.4	24.4	20.4	20.6	25.9	15.9	15.0	13.3	9.2	10.9	11.1	90	40	60	63	9.7	3.1	—	—	—	—	—	—	—	—	—	—	
8	18.0	25.0	18.0	19.8	25.4	17.5	17.0	14.9	11.9	14.0	13.5	94	50	91	78	9.1	5.2	—	—	—	—	—	—	—	—	—	—	
9	18.2	23.4	19.0	19.9	25.0	16.5	16.0	14.9	11.5	13.9	13.4	95	53	85	78	5.3	2.5	0.8	0.1	—	0.1	—	—	—	—	—	—	
10	19.0	25.8	21.0	21.7	26.5	17.0	16.0	13.9	12.5	12.3	12.9	85	50	66	67	9.3	7.3	—	—	—	—	—	—	—	—	—	—	
11	18.8	24.6	16.8	19.2	25.5	17.5	16.5	15.0	13.9	13.6	14.2	93	60	95	63	6.0	4.0	—	—	—	—	—	—	—	—	—	—	
12	16.4	24.8	19.1	19.8	25.5	14.9	14.0	12.6	11.8	10.8	11.7	90	50	65	68	8.7	4.5	0.4	—	—	—	—	—	—	—	—	—	
13	17.8	24.4	18.0	19.6	25.0	15.5	15.0	13.7	11.5	12.4	12.5	90	50	80	73	6.3	2.7	0.3	16.6	7.0	23.6	—	—	—	—	—	—	
14	16.0	25.0	18.0	19.2	25.4	14.4	13.5	12.3	10.8	13.8	12.3	90	46	90	75	10.0	7.3	—	—	—	—	—	—	—	—	—	—	
15	17.0	21.0	18.0	18.5	21.0	16.0	15.0	13.8	11.9	13.8	13.2	95	64	90	83	9.3	—	—	—	—	—	—	—	—	—	—	—	
16	17.2	21.8	18.6	19.0	22.5	16.5	15.0	14.0	11.8	13.5	13.1	95	60	85	80	4.0	1.2	9.0	0.7	0.4	1.1	—	—	—	—	—	—	
17	18.0	25.6	19.2	20.5	25.9	16.8	15.5	13.8	11.0	13.3	12.7	90	45	80	72	3.3	3.8	—	—	—	—	—	—	—	—	—	—	
18	18.2	26.0	20.0	21.0	26.5	16.9	15.6	13.6	11.3	14.9	13.3	86	45	85	72	5.3	8.0	—	—	—	—	—	—	—	—	—	—	
19	20.4	24.4	19.6	21.0	24.5	17.0	15.9	14.0	12.6	13.7	13.4	78	55	80	71	6.3	3.7	—	—	—	—	—	—	—	—	—	—	
20	17.0	27.2	18.2	20.2	27.5	16.5	15.5	13.1	9.4	13.8	12.1	90	35	90	72	7.1	7.4	—	—	—	—	—	—	—	—	—	—	
21	16.8	26.0	19.1	20.2	27.0	15.0	14.0	12.0	10.0	12.5	11.5	84	40	60	46	8.0	7.4	—	—	—	—	—	—	—	—	—	—	
22	17.0	23.6	18.0	19.2	24.0	16.0	15.5	11.5	10.9	11.6	11.3	79	50	75	68	6.3	1.6	12.8	1.8	—	—	—	—	—	—	—	—	
23	17.6	25.6	20.0	20.8	25.8	14.5	14.0	12.3	11.0	14.9	12.7	90	45	85	70	8.7	6.7	—	—	—	—	—	—	—	—	—	—	
24	16.8	19.8	18.4	18.4	23.5	15.6	15.0	13.4	14.2	13.5	13.7	93	83	85	87	8.0	3.5	42.3	1.3	—	—	—	—	—	—	—	—	
25	17.4	23.0	18.4	19.3	23.5	14.5	13.5	11.7	14.8	14.2	13.6	77	70	90	79	8.0	4.8	—	—	—	—	—	—	—	—	—	—	
26	18.0	22.6	19.0	19.6	25.0	16.0	15.0	13.8	15.4	14.8	14.7	90	70	90	83	6.0	—	—	—	—	—	—	—	—	—	—	—	
27	17.1	23.6	18.0	19.2	25.2	16.5	15.6	13.8	12.2	13.6	13.2	95	56	88	80	5.0	—	0.8	0.9	7.8	8.7	—	—	—	—	—	—	
28	16.1	25.2	20.3	20.5	27.0	15.0	15.0	10.8	12.1	13.8	12.2	90	50	78	69	6.7	9.7	—	—	—	—	—	—	—	—	—	—	
29	18.4	25.0	20.0	20.8	25.0	17.5	17.0	15.0	14.2	14.1	14.4	94	60	80	80	7.8	6.3	3.2	—	—	—	—	—	—	—	—	—	
30	18.0	24.0	19.4	20.2	26.0	15.9	15.0	14.5	9.2	14.3	12.5	93	41	85	73	3.3	4.7	—	—	—	—	—	—	—	—	—	—	
31	19.0	25.6	20.4	21.4	26.6	17.1	16.6	14.5	11.4	11.7	12.7	88	46	66	67	3.3	9.0	—	—	—	—	—	—	—	—	—	—	
Med	17.6	23.9	18.8	19.8	24.7	16.2	15.3	13.6	11.9	13.4	12.9	90	54	83	75	7.2	3.8	4.8	2.8	2.3	9.8	—	—	—	—	—	—	

Precipitacion total 304.0 mm.

DATOS DIARIOS

Estación Trujillo Mes Noviembre Año 1969 $\phi = 4^{\circ} 10' N$ $\lambda = 165^{\circ} 20' W$ Altura 1.440 M

Días	TEMPERATURAS °C						TENSION DEL VAPOR m.m.						Humedad Relativa %			BRILLO SOLAR Horas	PRECIPITACION m.m.			EVAPORACION m.m.			VIENTOS						
	7	14	20	Med.	Máx.	Mín.	Mínima Sueto	7	14	20	Med.	7	14	20	Med.		7	14	20	Total	7	14	20	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA
1	17.0	25.0	19.6	20.3	25.0	15.6	15.0	13.8	13.1	12.1	13.0	95	55	71	74	5.7	6.3	16.8	1.2	—	—	—	—	—	—	—	—	—	
2	17.4	26.0	21.0	21.4	26.5	16.5	15.5	13.3	12.7	14.0	13.3	90	50	75	72	5.3	6.1	—	—	—	—	—	—	—	—	—	—	—	
3	16.8	25.4	20.0	20.6	26.0	16.0	15.4	13.6	12.3	12.2	12.7	95	50	70	72	9.3	7.6	—	—	—	—	—	—	—	—	—	—	—	
4	18.4	26.0	19.0	20.6	26.5	17.0	16.3	14.2	11.6	14.8	13.5	90	46	80	75	5.5	5.8	—	—	—	—	—	—	—	—	—	—	—	
5	17.8	23.0	18.8	19.6	24.4	16.9	16.0	13.9	11.3	13.1	12.8	92	53	80	75	8.0	2.9	—	—	—	—	—	—	—	—	—	—	—	
6	18.8	24.4	18.1	19.8	24.9	17.1	16.4	14.6	10.8	13.8	13.1	90	50	50	77	8.0	5.1	—	—	—	—	—	—	—	—	—	—	—	
7	18.0	22.4	18.0	19.1	23.6	16.5	15.5	14.7	12.1	13.8	13.5	95	60	80	82	8.0	2.1	—	—	—	—	—	—	—	—	—	—	—	
8	17.8	23.4	18.6	19.6	24.4	17.1	16.0	14.6	13.6	13.5	13.9	95	64	85	81	6.3	1.3	—	—	—	—	—	—	—	—	—	—	—	
9	18.0	25.2	18.8	20.2	25.5	17.5	17.0	14.5	11.0	13.7	13.1	93	46	85	75	7.0	5.6	—	—	—	—	—	—	—	—	—	—	—	
10	17.6	23.4	18.3	19.4	24.0	16.9	16.0	14.4	11.6	11.0	12.4	92	54	65	71	8.3	4.7	—	—	—	—	—	—	—	—	—	—	—	
11	18.1	24.2	18.0	19.6	25.0	16.6	16.0	13.6	12.7	13.8	13.4	88	56	50	78	7.0	4.9	—	—	—	—	—	—	—	—	—	—	—	
12	17.3	20.0	19.0	18.8	24.5	16.2	15.5	13.9	12.2	13.9	13.3	94	70	85	83	6.0	4.0	—	—	—	—	—	—	—	—	—	—	—	
13	18.0	24.8	20.4	20.9	25.5	15.9	15.0	14.0	11.8	12.2	12.7	91	50	70	70	7.3	4.2	—	—	—	—	—	—	—	—	—	—	—	
14	17.1	24.0	19.0	19.8	25.9	15.9	15.0	13.2	11.2	13.6	12.7	91	50	83	75	5.0	5.6	—	—	—	—	—	—	—	—	—	—	—	
15	18.2	25.0	19.6	20.6	25.6	17.1	16.2	14.0	10.6	12.1	12.2	90	45	71	69	8.7	6.8	—	—	—	—	—	—	—	—	—	—	—	
16	18.0	24.4	19.4	20.3	25.3	16.9	16.0	13.8	12.6	13.5	13.3	90	55	80	75	7.3	4.0	—	—	—	—	—	—	—	—	—	—	—	
17	18.0	24.6	18.6	20.0	25.0	16.9	16.0	14.7	10.3	11.4	12.1	95	45	71	70	7.3	4.9	—	—	—	—	—	—	—	—	—	—	—	
18	19.0	21.2	18.6	19.4	23.5	16.9	16.0	13.9	14.2	13.9	14.0	85	75	80	80	8.7	3.7	—	—	—	—	—	—	—	—	—	—	—	
19	18.0	24.6	19.0	20.2	26.5	16.8	16.0	14.7	11.7	13.2	13.2	95	50	80	75	6.7	3.2	—	—	—	—	—	—	—	—	—	—	—	
20	18.0	24.0	18.8	19.9	25.0	16.5	15.4	14.7	10.0	13.1	12.6	95	45	80	73	8.0	5.0	—	—	—	—	—	—	—	—	—	—	—	
21	18.0	25.2	18.4	20.0	25.5	16.8	16.0	12.4	11.0	12.0	12.8	90	46	75	67	7.7	4.9	—	—	—	—	—	—	—	—	—	—	—	
22	18.0	23.2	18.6	19.6	25.0	16.1	16.1	13.8	12.8	11.9	12.8	90	60	74	75	3.3	4.1	—	—	—	—	—	—	—	—	—	—	—	
23	18.0	26.0	19.0	20.5	27.0	15.9	15.0	13.8	11.2	13.2	12.7	90	44	80	71	4.0	8.4	—	—	—	—	—	—	—	—	—	—	—	
24	18.6	23.2	19.0	20.0	24.5	17.5	17.0	15.3	11.8	13.2	13.4	96	50	80	78	5.3	2.5	—	—	—	—	—	—	—	—	—	—	—	
25	19.0	20.0	18.2	18.8	26.0	17.8	17.0	15.1	14.4	14.5	14.7	92	83	91	89	6.0	5.2	—	—	—	—	—	—	—	—	—	—	—	
26	18.0	26.0	19.0	20.5	26.4	17.5	17.0	14.7	11.3	10.8	12.3	95	45	66	69	5.0	5.8	—	—	—	—	—	—	—	—	—	—	—	
27	17.8	26.0	18.6	20.2	26.5	15.8	14.5	13.7	11.3	12.1	12.4	90	45	75	70	6.7	7.7	—	—	—	—	—	—	—	—	—	—	—	
28	19.0	26.4	20.4	21.8	27.0	17.5	16.0	12.7	11.7	14.5	13.0	77	45	80	67	4.7	7.1	—	—	—	—	—	—	—	—	—	—	—	
29	19.0	19.4	16.2	17.7	22.5	17.8	17.0	15.1	13.6	12.4	14.4	92	93	90	92	10.0	0.2	—	—	—	—	—	—	—	—	—	—	—	
30	16.0	24.5	18.0	19.1	25.9	14.3	13.5	12.3	12.0	12.4	12.2	90	52	80	74	4.7	6.5	—	—	—	—	—	—	—	—	—	—	—	
31																													
Med.	18.0	24.0	18.9	19.9	25.3	16.7	15.8	14.0	12.0	13.0	13.0	91	55	79	75	6.7	4.9	2.2	1.2	0.7	3.5								

Precipitación total : 204.4 m.m.

DATOS DIARIOS

Altura 1.410 M.

λ = 76° 20' WGR

φ = 41° 10' N

AÑO 1969

Mes Diciembre

Estación P. S. L. L. O.

Días	TEMPERATURAS						TENSION DEL VAPOR.						Humedad Relativa				PRECIPITACION			VIENTOS				
	Máx.		Mín.		Mód.		Máx.		Mín.		Mód.		7		14		20		7		14		20	
	mm		mm		mm		mm		mm		mm		%		%		%		mm		mm		mm	
	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20
1	18.2	25.4	18.3	20.0	26.0	16.0	16.0	13.7	12.9	92	45	88	75	6.0	6.5	—	—	—	—	—	—	—	—	—
2	17.0	26.0	21.0	21.8	26.9	15.9	15.0	13.4	12.2	92	45	66	69	5.7	6.7	—	—	—	—	—	—	—	—	—
3	17.6	25.6	19.0	20.3	26.0	17.3	17.0	13.9	13.2	95	45	85	75	8.0	3.7	2.4	46.9	—	—	—	—	—	—	—
4	17.8	24.8	18.0	19.6	25.0	15.8	16.0	13.4	14.5	95	66	86	82	9.3	3.1	0.3	—	—	—	—	—	—	—	—
5	18.6	24.0	19.0	20.2	25.6	17.7	16.4	13.5	14.8	95	60	90	82	7.0	4.3	—	—	—	—	—	—	—	—	—
6	18.0	24.4	19.4	20.3	25.0	17.9	17.5	14.7	11.5	95	90	80	75	8.0	2.8	0.2	—	—	—	—	—	—	—	—
7	19.0	26.2	20.0	21.3	27.0	17.8	17.0	14.8	12.4	90	48	86	75	4.7	5.9	—	—	—	—	—	—	—	—	—
8	19.2	25.4	19.0	20.6	26.0	18.6	18.0	15.0	14.6	90	50	85	75	5.3	3.3	—	—	—	—	—	—	—	—	—
9	18.2	24.8	19.0	20.2	25.0	16.6	16.0	14.5	12.7	93	54	85	77	6.7	3.6	3.4	—	—	—	—	—	—	—	—
10	18.0	25.6	19.3	20.4	26.9	16.8	16.1	14.7	12.3	95	50	80	75	6.0	6.5	—	—	—	—	—	—	—	—	—
11	19.0	26.8	20.0	21.4	27.0	17.4	16.3	15.7	12.0	95	45	80	73	6.7	5.5	—	—	—	—	—	—	—	—	—
12	18.0	20.5	18.6	18.9	20.5	17.4	16.3	14.7	15.3	87	85	90	81	10.0	—	—	—	—	—	—	—	—	—	—
13	17.4	24.4	19.0	20.0	26.0	16.5	15.1	14.2	11.0	96	48	75	73	6.7	5.2	0.7	—	—	—	—	—	—	—	—
14	18.1	25.8	20.0	21.0	26.5	17.8	16.5	14.8	12.5	94	50	75	73	6.0	6.8	—	—	—	—	—	—	—	—	—
15	18.6	27.2	20.0	21.4	27.5	17.7	17.0	14.4	11.0	90	40	67	66	2.0	9.3	—	—	—	—	—	—	—	—	—
16	18.0	25.4	20.4	21.0	26.3	15.9	15.0	12.1	14.6	77	60	70	69	2.7	9.3	—	—	—	—	—	—	—	—	—
17	19.0	24.8	18.6	20.4	25.8	17.5	16.5	12.3	14.0	75	60	90	75	9.0	2.4	—	—	—	—	—	—	—	—	—
18	18.4	25.2	19.6	20.7	25.9	17.0	16.0	12.1	12.8	76	53	81	70	7.0	2.2	0.3	—	—	—	—	—	—	—	—
19	17.6	27.6	20.9	21.8	27.9	17.0	16.5	12.0	11.1	79	40	75	65	7.0	7.1	—	—	—	—	—	—	—	—	—
20	18.6	26.0	19.0	20.6	27.5	18.6	17.5	14.4	12.7	90	50	85	75	8.7	6.1	—	—	—	—	—	—	—	—	—
21	19.0	24.2	19.2	20.4	25.5	17.4	16.5	12.5	12.0	79	55	75	70	7.0	3.4	2.9	29.5	—	—	—	—	—	—	—
22	18.4	24.6	20.0	20.8	24.9	17.6	17.0	12.6	12.8	79	46	75	72	5.3	8.1	—	—	—	—	—	—	—	—	—
23	17.4	27.0	20.8	21.5	27.5	15.5	14.2	12.5	13.8	95	46	80	75	7.0	5.7	—	—	—	—	—	—	—	—	—
24	19.0	26.4	19.8	21.2	27.8	18.0	17.0	14.8	12.0	95	44	80	73	6.0	6.2	—	—	—	—	—	—	—	—	—
25	17.8	26.0	19.9	20.9	28.0	17.5	15.5	14.6	11.2	93	45	80	73	9.0	3.9	1.0	—	—	—	—	—	—	—	—
26	19.0	27.6	19.4	21.4	28.5	17.9	17.0	15.2	12.5	95	50	75	73	6.7	5.8	0.6	—	—	—	—	—	—	—	—
27	18.2	25.8	20.2	21.1	28.5	17.8	16.5	14.9	12.5	95	50	45	70	68	3.7	6.4	—	—	—	—	—	—	—	—
28	18.8	26.2	20.8	21.6	27.5	17.8	16.0	14.6	11.5	90	35	75	67	3.3	8.7	—	—	—	—	—	—	—	—	—
29	19.0	27.7	20.7	22.0	28.5	17.4	16.5	14.8	9.8	90	35	70	65	4.3	8.7	—	—	—	—	—	—	—	—	—
30	18.4	27.4	20.2	21.6	27.5	17.4	16.5	14.2	9.5	90	45	70	68	8.7	1.5	—	—	—	—	—	—	—	—	—
31	19.0	27.1	20.2	21.6	27.5	16.5	16.0	14.8	12.2	90	45	70	68	8.7	1.5	—	—	—	—	—	—	—	—	—
Mód.	18.3	25.7	19.6	20.8	26.5	17.3	16.3	14.2	12.3	90	50	80	73	6.5	5.2	0.7	2.8	1.1	4.6	—	—	—	—	—

Precipitación total : 141.8 mm.

RESUMEN MENSUAL Y ANUAL

ESTACION: Trujillo

AÑO: 1.969

M E S	PRESION ATMOSFERICA SOBRE 600 MM. HG.			TEMPERATURA OC			TEMPERATURAS EXTREMAS OC			HUMEDAD RELATIVA %			TENSION DEL VAPOR MM. HG.			NIROSDO MEDA EN DECIMOS			BRILLO SOLAR HORAS			EVAPORACION MM.			PRECIPITACION			DIA LLUVIOSOS				
	MAXIMA	MINIMA	DA	7	14	20	MAXIMA	MINIMA	DA	7	14	20	MAXIMA	MINIMA	ABSOLUTA	MAXIMA	MINIMA	ABSOLUTA	7	14	20	7	14	20	SUMA							
	DA	MINIMA	DA	7	14	20	MAXIMA	MINIMA	DA	7	14	20	MAXIMA	MINIMA	ABSOLUTA	MAXIMA	MINIMA	ABSOLUTA	7	14	20	7	14	20	SUMA							
ENERO																																
FEBRERO				18.5	25.7	20.2	21.2	26.9	17.7	29.3	28	16.1	11	(16.5)								6.0	5.9			4.6	23.2	56.3	84.1	10	22.1	4
MARZO				18.2	26.3	20.1	21.2	27.1	17.1	30.5	10	15.0	16	16.2								5.9	6.3			35.6	28.2	66.6	134.0	13	27.7	2
ABRIL				18.7	24.7	20.2	21.0	25.7	17.8	29.4	27	16.6	26	16.9								7.5	3.5			37.6	20.3	139.9	294.2	22	49.6	13
MAYO				19.1	25.3	20.6	21.4	26.1	17.9	28.5	25	16.8	22	17.0								7.5	4.8			76.2	1.3	88.8	176.7	21	44.2	14
JUNIO				18.5	24.9	20.2	21.0	25.7	17.1	27.4	18	15.5	14	16.2								7.0	4.6			32.0	20.3	91.6	213.5	19	54.8	2
JULIO				18.7	26.7	20.9	21.8	27.5	16.5	30.5	22	15.5	7	15.3								5.5	7.1			1.7	—	3.8	5.5	5	3.2	6
AGOSTO				18.1	25.6	20.2	21.0	26.5	16.5	29.5	5	15.4	9	15.5								7.5	5.5			36.8	3.9	13.2	56.6	19	23.8	25
SEPTIEMBRE				17.7	25.2	20.0	20.7	26.4	16.3	30.5	14	14.5	31	15.4								6.7	4.7			17.3	35.8	10.2	241.6	16	48.8	28
OCTUBRE				17.6	23.9	18.8	19.8	24.7	16.2	27.5	20	14.4	14	15.3								7.2	3.8			24.9	85.7	72.6	304.0	22	52.4	2
NOVIEMBRE				18.0	24.0	18.9	19.9	25.3	16.7	27.0	28	14.3	30	15.8								6.7	4.9			64.5	35.6	21.1	184.4	19	26.3	6
DICIEMBRE				18.3	25.7	19.6	20.8	26.5	17.3	28.5	7	15.9	7	16.3								6.5	5.2			20.6	85.5	35.7	141.6	13	46.9	3
MEDIA ANUAL				18.3	25.3	20.0	20.9	26.2	17.0	28.9	—	15.4	—	16.0								6.7	5.1			74.3	30.9	54.5	158.7	179	36.3	—

PRECIPITACION TOTAL: 1.756.4

PRECIPITACION MAXIMA: 54.8 - VI - 2

DIAS LLUVIOSOS: 179

FRECUENCIA DE PRECIPITACION Y TEMPERATURA

AÑO: 1-969

ESTACION: Frajillo

MESES	PRECIPITACION												TEMPERATURA									
	7 HORAS			14 HORAS			20 HORAS			TOTAL			Mínimo		Máximo							
	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:	Más de:						
	01	10	100	200	500	01	10	100	200	500	01	10	25	50	100	200	500	16°C	18°C	24°C	Máximo Arriba de 24°C	Máximo Arriba de 28°C
ENERO	3	2	-	-	-	4	3	1	-	-	6	5	3	1	-	-	-	-	11	1	1	8
FEBRERO	8	6	1	1	-	2	2	1	1	-	13	11	8	8	5	3	-	7	5	1	1	11
MARZO	14	12	3	2	-	9	7	-	-	-	22	18	16	12	7	6	-	-	15	6	2	2
ABRIL	15	10	3	1	-	2	1	-	-	-	21	15	10	9	6	2	-	-	16	3	2	-
MAYO	12	6	4	3	-	5	4	-	-	-	19	13	11	10	5	5	1	4	3	2	-	-
JUNIO	3	1	-	-	-	-	-	-	-	-	5	2	1	-	-	-	-	11	-	-	-	14
JULIO	11	7	1	1	-	4	1	-	-	-	19	14	7	2	1	1	-	12	-	1	4	-
AGOSTO	11	11	5	3	-	9	5	1	1	-	16	13	11	9	9	4	-	12	-	5	10	-
SEPTBRE.	13	8	4	2	-	14	8	4	1	-	22	19	13	12	10	6	1	16	-	10	-	-
OCTUBRE	11	9	3	-	-	11	7	-	-	-	19	16	9	6	4	1	-	7	-	4	-	-
NOVBRE.	11	5	-	-	-	3	3	2	2	-	13	11	9	7	4	2	-	3	3	1	1	4
DICBRE.	11	2	1	-	-	3	3	2	2	-	6	4	2	-	-	-	-	72	53	34	34	55
SUMA ANUAL	112	77	24	13	-	63	41	9	5	-	104	64	19	8	1	2	2	72	53	34	34	55

FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.

MESES	PRECIPITACION MAS DE 0.1 MM.																								TOTAL
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	
ENERO	-	-	-	1	2	2	-	-	1	1	-	-	-	2	2	3	4	2	1	1	-	-	-	-	11
FEBRERO	-	-	-	1	3	3	3	2	2	2	-	-	-	-	-	3	5	3	3	5	7	5	4	1	1
MARZO	-	-	-	4	6	5	5	5	3	2	-	-	1	4	4	6	8	6	5	4	7	6	6	7	4
ABRIL	5	7	5	7	4	3	3	-	-	-	-	1	1	2	3	3	5	5	7	10	8	6	3	4	
MAYO	4	7	5	7	4	3	3	-	-	-	1	2	2	1	2	2	3	4	4	5	6	5	1	-	
JUNIO	2	5	6	5	5	6	6	1	2	1	2	2	1	2	2	3	4	4	5	6	5	1	-	5	
JULIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	1	
AGOSTO	3	2	2	3	3	3	2	2	2	2	-	-	1	2	-	1	2	2	4	3	4	3	4	14	
SEPTBRE.	5	7	4	4	8	7	8	7	3	2	2	2	3	2	2	2	1	1	1	3	3	3	4	7	
OCTUBRE	6	6	7	8	10	7	8	8	5	4	4	7	2	4	8	8	5	9	5	7	5	8	7	21	
NOVBRE.	3	5	2	2	5	4	3	3	2	1	4	5	3	4	6	3	3	2	2	2	4	3	4	21	
DICBRE.	1	1	2	3	2	2	2	2	3	3	1	1	-	-	-	2	4	1	-	3	3	5	1	12	
SUMA ANUAL	29	40	36	39	48	40	41	32	23	14	13	16	23	18	30	39	39	29	36	49	44	32	31	26	

RESUMEN DE ALGUNAS CARACTERISTICAS DE LA PRECIPITACION

Estación: Trujillo

Año 1-969

MESES	TOTAL		No. PRECIPITACIONES			CANTIDAD		DURACION			PRECIPITACION MAXIMA				DURACION MAXIMA					
	m. m.	Días	Días	Noche	Total	Total Día	Total Noche	Día	Noche	Total	m. m.	Durac.	Int. Med.	Int. Max. 5/m.	Int. Max. 1/m.	h. min.	m. m.	Int. Med.	Int. Max. 5 min.	Int. Max. 1 min. (rat.)
Enero	67.3	11	17	9	26	13.9	53.4	11:20'	17:15'	28:35'	33.3	8:50'	0.06	3.5	0.7	8:50'	33.3	0.06	3.5	0.7
Febrero	84.1	10	9	5	14	79.5	4.6	9:50'	1:45'	11:35'	22.1	1:35'	0.23	9.6	1.9	2:05'	14.7	0.12	5.0	1.0
Marzo	134.0	13	18	15	33	94.8	39.2	19:40'	12:10'	31:50'	27.0	2:50'	0.16	10.1	2.0	2:50'	27.0	0.16	10.1	2.0
Abril	294.2	22	28	23	51	160.3	133.9	37:05'	44:55'	82:00'	49.0	12:20'	0.07	5.1	1.0	12:20'	49.0	0.07	5.1	1.0
Mayo	176.7	21	18	27	45	89.8	86.9	21:15'	41:05'	62:20'	31.2	3:30'	0.15	4.1	0.8	9:00'	22.5	0.04	1.5	0.3
Junio	213.5	19	21	18	39	111.6	101.9	20:15'	24:10'	44:25'	54.8	1:40'	0.55	10.2	2.0	5:15'	35.9	0.11	5.0	1.0
Julio	5.5	5	3	2	5	3.9	1.6	1:40'	0:45'	2:25'	3.2	0:35'	0.09	1.1	0.2	0:50'	0.6	0.01	0.2	—
Agosto	56.6	19	14	15	29	18.2	38.4	12:00'	12:35'	24:35'	23.8	1:25'	0.28	10.0	2.0	1:50'	23.8	0.22	10.0	2.0
Septbre.	241.6	16	18	25	43	45.9	195.7	20:50'	48:15'	69:05'	50.9	12:50'	0.07	1.2	0.2	12:50'	50.9	0.07	1.2	0.2
Octbre.	304.0	22	40	30	70	158.7	145.3	48:40'	50:20'	99:00'	48.3	5:20'	0.15	3.0	0.6	11:55'	43.0	0.06	1.0	0.2
Novbre.	104.4	19	23	18	41	56.7	47.7	20:30'	24:15'	44:45'	25.4	6:30'	0.06	2.5	0.5	6:30'	25.4	0.06	2.5	0.5
Dicbre.	141.8	13	10	16	26	121.3	20.5	13:15'	14:10'	27:25'	49.3	2:00'	0.28	6.3	1.3	5:10'	17.8	0.06	4.0	0.8
TOTALES	1,823.7	190	219	203	422	954.6	869.1	236:20'	291:40'	528:00'	418.3	60:20'	—	—	—	79:25'	343.9	—	—	—

DIARIOS

Estación Restrepo Mes Febrero Año 1969 ϕ 31° 49' N λ 76° 30' W GR Altura 1060.0 M.

Días	TEMPERATURA °C						TENSIÓN DEL VAPOR mm						Humedad Relativa %			Nubosidad Porcentajes	Brillo Solar Horas	PRECIPITACION mm			VIENTOS								
	7	14	20	Med.	Máx.	Mín.	7	14	20	Med.	7	14	20	Med.	7			14	20	Total	7	14	20	DIREC. Km./Hora	FUERZA	DIREC. Km./Hora	FUERZA	DIREC. Km./Hora	FUERZA
1	18.9	26.6	19.3	21.0	27.0	17.7	17.0	16.0	11.9	14.7	14.2	98	45	88	77	8.3	8.3	--	--	4.2	0.0	0	12	2	08	1			
2	18.8	26.3	18.8	20.7	27.0	18.4	17.1	15.4	12.4	14.6	14.1	94	48	90	77	8.0	6.9	--	--	2.0	0.0	0	12	1	08	2			
3	18.4	24.8	20.0	20.8	26.0	17.9	17.1	15.3	13.0	14.9	14.4	96	55	85	79	10.0	5.6	0.3	0.3	2.0	0.0	0	18	1	08	3			
4	18.1	22.4	18.7	19.5	25.0	17.6	16.5	14.7	14.9	14.6	14.7	95	73	90	86	9.3	1.9	0.3	0.5	1.4	0.0	0	00	0	00	0			
5	17.1	24.6	18.6	19.7	25.9	15.2	13.5	13.8	13.9	14.7	14.1	95	60	92	82	10.0	5.8	--	0.1	2.9	3.0	1.6	0.0	0	10	2	00	0	
6	17.4	25.9	19.5	20.6	28.0	16.5	15.5	14.2	12.5	14.4	13.7	96	50	85	77	8.7	5.0	--	--	1.8	0.0	0	16	1	08	1			
7	18.0	23.9	18.8	19.9	25.6	16.5	16.5	14.7	13.3	14.0	14.0	95	60	86	87	9.0	5.5	--	--	2.0	0.0	0	14	2	10	1			
8	17.6	21.6	18.8	19.2	24.4	17.0	15.5	14.4	16.5	14.3	15.1	95	86	88	90	9.0	2.7	--	1.4	1.6	0.0	0	00	0	10	2			
9	16.4	25.6	19.0	20.0	26.2	15.0	14.0	12.2	12.3	13.9	12.8	87	90	85	74	8.3	4.0	0.1	0.1	1.4	0.0	0	12	3	08	2			
10	18.0	21.8	18.0	19.0	24.4	17.4	16.5	14.7	15.6	14.5	14.9	95	80	93	89	10.0	3.2	0.1	1.3	1.1	0.0	0	00	0	00	0			
11	16.6	25.0	18.4	19.6	26.0	14.3	13.5	13.5	11.4	13.9	12.9	95	48	88	77	8.3	5.4	--	--	1.8	0.0	0	12	1	10	1			
12	18.2	25.2	19.0	20.4	26.4	17.0	16.0	14.8	12.1	13.2	13.4	94	50	80	75	9.7	5.4	--	--	2.2	0.0	0	12	2	08	2			
13	16.8	24.6	19.2	20.0	26.3	16.0	14.5	13.4	11.7	14.4	13.2	93	50	87	83	7.2	7.2	--	--	2.8	0.0	0	02	2	08	2			
14	18.0	26.2	19.3	20.7	27.2	16.5	15.0	14.9	11.4	14.1	13.5	96	44	85	75	7.3	8.0	--	--	2.8	0.0	0	12	3	10	1			
15	18.1	25.3	19.1	20.4	26.0	17.6	17.0	13.1	11.8	14.1	12.9	95	48	86	73	8.7	5.0	--	--	2.8	0.0	0	10	2	10	1			
16	18.4	24.0	18.8	20.0	26.1	17.2	15.5	13.5	13.5	14.3	13.8	85	60	88	78	8.3	5.1	--	--	2.0	0.8	0	12	2	10	2			
17	18.0	25.6	18.9	20.4	26.8	17.7	16.5	14.2	11.0	14.9	13.4	93	45	92	77	7.7	7.9	--	--	2.6	0.0	0	12	2	08	2			
18	18.2	26.1	18.9	20.5	26.4	17.6	16.7	15.4	12.4	14.6	14.1	98	48	90	79	8.7	8.5	--	--	2.4	0.0	0	10	3	10	3			
19	18.0	26.2	19.1	20.6	27.0	17.9	16.0	14.6	11.8	14.1	13.5	94	46	85	75	9.0	6.8	--	--	2.0	0.0	0	10	3	08	2			
20	18.1	25.2	19.3	20.5	27.2	17.6	17.0	14.3	12.1	15.0	13.8	93	50	90	78	8.3	5.4	--	--	2.2	0.0	0	12	2	08	1			
21	18.6	27.0	20.1	21.4	28.2	17.6	17.0	14.7	12.2	15.3	14.1	92	45	88	75	8.3	9.1	--	--	2.6	0.0	0	12	1	08	1			
22	18.0	25.6	19.1	20.4	27.1	16.4	15.1	15.0	13.6	15.2	14.6	97	55	92	81	8.7	7.7	--	--	2.8	0.0	0	10	2	08	2			
23	17.0	26.4	18.9	20.3	27.1	15.5	14.1	14.0	11.7	13.7	13.1	96	45	95	75	7.3	8.3	--	--	2.4	0.0	0	10	3	08	2			
24	18.0	25.4	19.0	20.4	26.0	17.4	16.5	14.7	10.8	14.6	13.4	95	45	90	77	8.3	3.5	--	--	2.4	0.0	0	12	2	08	1			
25	17.8	23.0	18.3	19.4	23.3	16.8	16.0	14.2	11.7	13.7	13.3	93	57	88	79	8.3	3.3	--	--	1.6	0.0	0	12	1	00	0			
26	16.0	22.6	19.0	19.2	26.0	15.2	14.5	13.0	15.1	14.7	14.3	95	73	91	86	8.7	6.4	--	0.4	0.1	22.4	0	00	0	10	3			
27	18.0	26.6	19.2	20.8	27.0	17.3	16.5	14.7	12.8	15.0	14.2	95	48	90	78	6.3	5.9	21.9	0.4	--	0.4	1.8	0.0	0	10	2	00	0	
28	19.2	26.8	19.6	21.3	27.2	18.4	17.5	15.0	13.2	14.8	14.3	90	50	88	76	6.7	9.2	--	--	2.4	0.0	0	10	2	10	2			
29																													
30																													
31																													
Med.	17.8	25.0	19.0	20.2	26.3	16.9	15.9	14.4	12.7	14.4	13.8	94	54	88	79	8.5	5.9	0.8	0.2	1.1	2.1	--	--	--	--	--	--		

Precipitación total: 31.5 mm.

DATOS DIARIOS

Altura 1.400 m.

λ = 76° 30' W GR

φ = 3° 49' N

Año 1969

Mes Marzo

Estación Restrepo

Días	TEMPERATURAS						TENSION DEL VAPOR						Humedad Relativa %				NUBOSIDAD			PRECIPITACION m m				VIENTOS								
	Máx.		Mín.		Mínima Sombra		7		14		20		7		14		20		7		14		20		7		14		20			
	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.			
1	18.8	25.3	20.3	21.2	26.4	18.0	17.5	15.5	12.5	15.1	14.4	95	52	85	77	6.7	5.4	0.5	—	—	1.2	2.0	0.0	0	0	10	1	08	3			
2	18.8	21.6	19.0	19.6	22.4	18.0	17.5	15.5	14.5	15.9	15.3	95	75	96	89	10.0	—	—	3.2	6.3	—	6.5	1.0	0.0	0	10	2	00	0			
3	18.2	24.0	20.0	20.0	25.3	17.4	16.0	14.8	10.7	14.1	13.2	94	48	86	76	9.0	2.6	0.2	0.2	—	—	0.1	1.6	0.0	0	08	2	00	0			
4	18.0	25.6	18.8	20.3	26.4	15.1	14.0	14.6	13.1	14.7	14.3	94	51	91	79	6.0	7.4	—	—	—	—	0.4	2.0	0.0	0	12	2	00	0			
5	18.0	24.6	19.9	20.6	25.0	17.4	17.0	14.6	14.4	15.6	14.9	96	62	90	83	9.0	5.2	9.4	—	—	0.5	1.6	0.0	0	08	1	08	2				
6	18.2	27.0	19.2	20.9	27.6	17.7	13.9	14.9	13.0	14.7	14.2	95	48	88	77	6.0	8.6	—	—	—	—	2.4	2.4	0.0	0	12	2	12	1			
7	16.0	27.0	19.9	20.7	27.4	15.0	13.9	12.8	12.2	15.1	13.4	94	45	88	76	3.0	8.9	—	—	—	—	1.7	1.7	0.0	0	10	3	08	2			
8	18.6	26.4	19.0	20.8	27.3	18.0	17.3	15.2	11.7	13.9	13.6	94	45	85	75	9.0	5.6	—	—	—	—	2.0	2.0	12	1	12	1	10	3			
9	16.2	28.2	20.0	21.1	29.1	15.3	13.3	11.5	16.9	13.2	13.2	96	40	85	74	5.7	6.2	—	—	—	—	—	—	2.2	0.0	0	12	1	10	3		
10	19.0	26.0	19.0	20.8	27.4	18.5	17.5	15.7	12.7	14.9	14.4	95	50	91	79	4.7	8.8	—	—	—	—	—	—	2.4	0.0	0	12	2	10	3		
11	18.4	26.6	18.6	20.6	27.0	17.6	17.0	14.5	11.9	14.4	13.6	92	45	80	76	8.9	5.7	—	—	—	—	0.2	0.2	0.0	0	12	2	10	3			
12	16.4	25.6	20.1	20.6	26.4	15.5	14.9	13.4	11.0	14.3	13.9	96	45	80	74	7.0	5.7	—	—	—	—	—	—	5.7	2.4	0.0	0	12	3	08	2	
13	18.0	21.0	17.6	18.6	23.3	17.6	17.0	14.6	14.9	14.5	14.7	94	80	96	90	9.3	2.2	5.7	2.9	1.8	4.8	1.0	0.0	0	0	0	0	12	1	00	0	
14	16.2	25.0	19.3	20.2	26.5	14.5	14.0	13.1	12.0	14.7	13.3	95	48	88	77	4.3	8.9	0.1	—	—	—	—	—	2.2	0.0	0	10	3	10	3		
15	18.0	25.8	19.5	20.7	26.6	17.6	16.6	14.9	12.0	15.1	14.0	96	48	89	78	7.0	7.4	—	—	—	—	—	—	2.6	0.0	0	10	3	10	3		
16	16.2	28.2	20.2	21.2	29.4	15.0	14.0	13.3	15.3	15.2	14.6	96	46	86	76	4.0	8.8	—	—	—	—	—	—	—	2.2	0.0	0	10	0	08	3	
17	17.0	27.0	19.7	20.8	27.7	17.0	16.5	13.7	13.0	15.1	13.9	94	48	88	77	8.7	5.7	—	—	—	—	—	—	2.2	0.0	0	12	2	00	0		
18	18.6	23.4	17.9	19.4	26.0	17.5	16.3	14.4	12.0	14.6	13.7	90	55	90	78	8.7	2.0	—	—	—	—	—	—	2.2	0.0	0	10	2	16	2		
19	14.2	27.8	20.0	20.5	28.0	13.0	12.1	11.8	11.1	15.8	12.9	97	40	90	76	5.0	8.5	—	—	—	—	—	—	2.8	0.0	0	12	2	08	2		
20	18.0	27.4	20.7	21.7	28.1	17.3	16.6	14.7	12.1	15.5	14.1	95	44	85	75	8.7	7.9	—	—	—	—	—	—	2.6	0.0	0	10	2	08	2		
21	19.0	26.0	19.6	21.0	27.1	18.3	17.5	14.8	12.7	15.4	14.3	90	50	90	77	8.0	6.0	0.4	0.4	0.8	2.1	2.2	2.2	0.0	0	10	0	10	1	0		
22	16.6	22.0	19.3	19.3	27.5	15.0	14.3	13.6	16.1	15.1	15.1	96	81	94	90	9.0	3.8	0.9	3.8	0.2	4.0	—	—	2.2	12	2	12	2	16	2		
23	16.4	25.0	19.6	20.2	27.0	15.1	14.3	13.1	12.1	15.4	13.7	97	50	90	79	9.0	2.7	—	—	—	—	—	—	2.2	0.0	0	12	2	10	1		
24	18.4	26.6	19.8	21.2	27.2	17.0	16.0	15.1	12.8	15.6	14.5	95	48	90	78	8.0	7.8	—	—	—	—	—	—	2.4	0.0	0	10	2	08	1		
25	16.4	26.2	19.0	20.2	26.8	15.5	14.0	13.4	12.4	14.5	13.6	96	48	88	77	8.0	3.4	—	—	—	—	—	—	1.0	1.0	2.0	0	10	2	08	1	
26	15.8	26.8	19.2	20.2	27.3	15.0	13.5	13.1	12.3	15.3	13.6	97	46	92	78	7.7	6.6	—	—	—	—	—	—	0.8	0.8	2.2	0.0	0	12	2	12	3
27	18.0	26.8	18.7	20.6	28.0	16.3	15.2	14.7	12.0	15.1	13.9	95	45	88	76	6.7	6.6	—	—	—	—	—	—	2.4	0.0	0	10	2	10	3		
28	18.2	23.0	18.4	19.5	26.0	17.4	16.5	15.1	16.9	15.4	15.8	96	80	96	91	9.7	1.5	—	—	—	—	—	—	2.2	0.0	0	10	2	00	0		
29	17.2	24.1	19.7	20.2	26.7	16.0	14.5	14.4	13.5	15.1	14.3	98	60	88	82	8.7	5.5	0.1	—	—	—	—	—	2.2	0.0	0	10	2	00	0		
30	17.2	25.4	20.2	21.2	28.2	15.5	14.5	12.7	12.1	15.9	13.3	86	40	90	72	7.0	5.3	—	—	—	—	—	—	1.6	0.0	0	00	0	16	2		
31	19.0	25.4	18.7	20.4	26.5	18.7	17.0	14.8	12.3	14.9	14.0	90	50	92	77	6.0	6.2	—	—	—	—	—	—	1.4	1.8	2.0	0.8	1	12	2	08	1
Med	17.5	25.6	19.4	20.5	26.8	16.5	15.4	14.2	12.8	15.0	14.0	94	52	89	79	7.3	5.6	0.3	0.5	0.5	1.3	2.1	2.1	—	—	—	—	—	—	—	—	

Precipitación total : 40.3 mm.

DATOS DIARIOS

Estación RESTREPO M68 ABRIL Año 1962 9 -30 49' N 765 30' W 68 Altura 1400 M

Table with columns: Días, TEMPERATURA (7, 14, 20, Med, Máx, Mín, Mínima Escala), TENSION DEL VAPOR (7, 14, 20, Med), Humedad Relativa (% (7, 14, 20, Med)), NUBES (DESIANOS, HORAS), PRECIPITACION (mm (7, 14, 20, Total)), EVAPORACION (mm), VIENTOS (7, 14, 20) (DIRECCION, FUERZA, Km/Hora).

Precipitación total: 186.3 mm

DATOS DIARIOS

Estación Restrepo Mes Junio Año 1969 $\phi = 3^{\circ} 49' N$ $\lambda = 166^{\circ} 30' W$ W.ØR. Altura 1.400 M.

Días	TEMPERATURAS						TENSIÓN DEL VAPOR						Humedad Relativa %			Brillo Solar Horas	PRECIPITACION m m			EVAPORACION			VIENTOS								
	7		14		20		7		14		20		7	14	20		7	14	20	7	14	20	7	14	20	7	14	20			
	Mod.	Máx.	Min.	Mod.	Máx.	Min.	Mod.	Máx.	Min.	Mod.	Máx.	Min.	Med.	Med.	Med.		Total	Total	Total	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA		
1	17.3	24.9	17.8	19.4	26.0	16.8	16.0	16.1	14.0	14.7	14.3	96	60	96	84	9.0	4.5	1.5	0.4	2.3	2.7	0.8	00	0	16	1	00	0			
2	16.2	21.4	19.0	18.9	23.8	14.6	13.8	13.1	13.3	14.9	13.8	95	70	91	85	9.7	4.9	—	—	4.7	5.2	0.8	00	0	00	0	08	1			
3	18.2	20.4	17.4	18.4	22.2	17.9	17.5	14.5	14.5	14.2	14.4	95	80	95	89	9.7	4.5	0.5	15.1	0.9	17.0	1.0	10	1	10	2	00	0			
4	16.2	23.0	17.9	18.8	24.9	15.0	14.6	13.3	13.2	14.4	13.6	94	84	94	84	9.4	3.5	0.4	—	5.0	6.6	0.8	00	0	16	1	10	1			
5	18.2	23.6	18.6	19.8	25.8	17.2	16.6	15.1	14.0	15.5	14.9	96	64	96	85	9.3	2.1	1.6	0.1	—	0.1	0.8	00	0	04	1	00	0			
6	17.2	25.9	19.9	20.7	27.0	14.3	13.5	13.7	14.5	15.2	14.5	93	58	90	80	7.7	5.9	—	—	—	—	—	1.2	00	0	12	1	08	1		
7	18.1	24.2	19.1	20.1	25.8	17.0	16.4	14.9	14.3	14.5	14.6	95	63	88	82	9.7	2.1	—	—	—	—	—	1.2	00	0	10	2	08	2		
8	17.6	23.6	18.6	19.6	25.2	15.6	15.1	14.4	13.1	13.8	13.8	95	60	86	80	6.1	5.4	5.8	0.2	—	0.2	2.4	00	0	02	2	08	1			
9	18.2	23.1	19.0	19.8	25.0	16.0	15.0	14.5	14.5	14.8	14.6	93	68	90	84	8.1	3.1	—	—	—	—	—	1.2	00	0	08	1	08	1		
10	16.0	24.4	19.3	19.8	26.3	15.5	15.0	13.1	16.1	15.0	14.7	96	70	90	85	8.1	4.9	—	—	—	—	—	1.2	00	0	10	2	00	0		
11	18.0	23.6	18.6	19.7	24.5	17.0	16.1	14.7	13.4	14.4	14.2	95	61	90	82	10.0	0.8	6.7	22.5	—	22.5	1.0	00	0	10	2	00	0			
12	16.8	24.4	19.9	20.2	26.0	15.1	14.5	13.8	13.7	15.6	14.4	96	60	90	82	6.7	5.5	—	—	0.3	0.3	1.2	00	0	00	0	00	0			
13	16.4	23.8	17.8	19.0	24.5	15.0	14.8	14.1	14.2	14.6	14.3	100	64	95	86	6.7	6.9	—	—	—	—	—	0.7	3.0	1.0	00	0	00	0		
14	17.8	22.9	18.5	19.4	23.8	16.2	15.1	14.6	13.6	14.3	14.2	95	65	90	83	8.0	4.4	2.3	0.1	—	0.1	1.4	00	0	10	2	04	1			
15	16.0	27.4	19.3	20.5	28.0	14.3	13.6	13.0	13.8	15.6	13.5	95	43	94	77	6.0	7.5	—	—	—	—	—	1.2	02	1	12	1	00	0		
16	18.0	25.4	19.1	20.4	26.5	15.5	14.5	14.7	14.2	14.8	14.6	95	58	89	81	7.7	7.4	—	—	0.9	—	—	1.2	02	1	12	1	00	0		
17	18.6	24.1	18.3	19.8	25.7	18.2	17.7	14.8	14.3	15.1	14.7	93	64	96	84	8.0	7.0	—	—	—	—	—	0.9	—	—	—	—	—	—		
18	16.6	25.8	19.1	20.2	26.3	15.2	14.6	13.2	13.3	15.0	14.1	98	53	90	80	6.0	6.9	0.9	—	—	—	—	1.6	00	0	10	2	00	0		
19	18.2	25.0	18.3	20.0	25.3	17.5	17.0	14.5	12.9	13.7	13.7	93	54	88	78	7.7	6.8	—	—	—	—	—	1.6	00	0	10	2	00	0		
20	15.4	25.6	19.4	20.0	26.8	14.3	13.8	12.6	12.3	15.2	13.4	96	50	90	79	7.3	7.5	—	—	—	—	—	1.6	00	0	10	2	00	0		
21	18.6	20.4	18.7	19.1	26.0	17.8	17.0	15.6	16.0	14.7	15.4	97	90	91	93	9.7	1.1	8.2	12.9	0.9	13.9	1.2	12	1	04	1	00	2			
22	17.6	25.8	19.6	20.6	26.5	16.0	15.4	14.4	14.0	15.7	14.7	95	56	92	81	7.0	6.3	0.1	—	—	—	—	1.0	04	1	16	1	04	1		
23	18.9	25.5	19.0	20.6	26.2	18.2	17.7	14.9	16.0	14.1	15.0	92	65	96	81	8.0	6.6	—	—	—	—	—	1.2	00	0	10	2	00	1		
24	18.0	26.0	18.7	20.4	27.0	16.4	15.8	14.6	14.6	15.6	13.9	95	46	94	78	6.7	5.0	—	—	—	—	—	33.9	33.9	1.0	08	1	16	2	00	1
25	18.0	25.6	19.1	20.4	26.0	17.5	17.0	13.8	14.7	14.8	14.4	90	60	90	80	4.7	8.0	—	—	—	—	—	3.7	1.6	00	0	10	2	00	0	
26	18.4	25.2	19.0	20.4	25.5	17.3	17.0	15.1	12.1	14.5	13.9	95	50	88	78	8.0	3.1	3.7	—	—	—	—	3.7	1.6	00	0	10	2	00	0	
27	17.1	21.0	16.9	18.3	21.3	17.5	17.0	14.7	13.4	13.8	14.0	96	72	96	88	10.0	—	9.4	0.3	—	0.6	1.2	00	0	14	2	08	2			
28	16.2	23.0	18.0	18.8	25.2	14.5	14.0	13.3	13.8	13.8	13.6	96	65	90	84	4.7	7.0	—	—	—	—	—	9.6	0.8	00	10	1	00	0		
29	18.0	24.4	18.4	19.8	25.0	17.4	15.8	14.7	13.7	15.1	14.5	95	60	95	81	8.0	3.9	—	—	—	—	—	1.4	00	0	12	2	04	1		
30	18.0	23.0	18.9	19.7	24.5	17.0	17.0	14.9	13.6	14.6	14.4	96	64	90	83	9.0	2.6	—	—	—	—	—	0.2	0.1	0.3	1.0	00	0	00	0	
31	17.5	24.1	18.7	19.7	25.4	16.3	15.6	14.2	13.8	14.7	14.3	95	62	91	83	7.9	4.6	1.4	1.8	1.6	4.7	1.2	—	—	—	—	—	—	—		
Med.	17.5	24.1	18.7	19.7	25.4	16.3	15.6	14.2	13.8	14.7	14.3	95	62	91	83	7.9	4.6	1.4	1.8	1.6	4.7	1.2	—	—	—	—	—	—	—		

Precipitación total: 142.3 m.m.

DATOS DIARIOS

Altura 1.400 M.

λ = 76° 30' W. GR

φ = 3° 49' N

Año 1969

Mes Julio

Estación R e s t r e p o .

Días	TEMPERATURAS °C							TENSIÓN DEL VAPOUR m m							Humedad Relativa %			NUBOSIDAD			Brillo Solar Horas			PRECIPITACION m m			EVAPORACION m m			VIENTOS					
	Med.		Mín.		Máx.		Mín. Suelo		7	14	20	Med.	7	14	20	Med.	7	14	20	Total	7	14	20	DIREC. FUERZA	7	14	20	DIREC. FUERZA	7	14	20	DIREC. FUERZA	7	14	20
	7	14	20	Med.	Mín.	Máx.	Mín.	Máx.	7	14	20	Med.	7	14	20	Med.	7	14	20	Med.	7	14	20	DIREC. FUERZA	7	14	20	DIREC. FUERZA	7	14	20	DIREC. FUERZA	7	14	20
1	17.0	25.4	18.7	20.0	26.0	16.0	15.2	14.2	13.5	15.4	14.4	98	55	94	82	8.1	5.7	—	—	—	—	—	1.4	0.0	0	10	1	10	2	—	—	—			
2	18.8	22.6	18.2	19.6	25.7	17.9	17.1	14.7	14.5	15.2	14.8	92	70	95	86	8.7	6.0	—	0.3	—	—	—	1.0	0.0	0	04	1	00	0	—	—	—			
3	17.0	25.8	18.7	20.0	26.5	16.0	15.4	14.0	12.5	15.4	14.0	96	50	94	80	7.0	3.1	—	—	—	—	—	1.6	0.0	0	20	2	08	2	—	—	—			
4	16.2	25.3	17.9	19.3	26.8	15.9	15.3	13.0	13.6	14.7	13.8	94	56	85	78	3.0	9.5	—	—	—	—	—	1.2	0.0	0	10	2	08	2	—	—	—			
5	18.9	24.4	19.1	20.4	27.0	18.0	17.0	15.4	14.0	14.8	14.7	94	62	90	82	7.7	7.3	—	—	—	—	—	1.2	0.0	0	04	1	00	0	—	—	—			
6	18.8	25.6	18.4	20.3	26.2	17.0	16.1	13.1	12.6	13.5	13.1	80	51	85	72	8.0	6.7	—	—	—	—	—	1.1	0.0	0	00	0	00	0	—	—	—			
7	17.6	26.0	17.9	19.8	26.7	16.9	16.0	14.5	12.2	12.4	13.0	96	48	94	79	7.3	5.4	—	—	—	—	—	1.4	0.0	0	10	0	10	1	—	—	—			
8	17.6	26.8	19.1	20.6	27.0	16.0	15.3	14.4	13.2	12.8	14.1	95	50	90	78	7.0	6.8	—	—	—	—	—	1.8	0.0	0	10	2	08	2	—	—	—			
9	18.4	25.1	18.6	20.2	26.1	16.8	16.0	14.6	14.6	14.6	14.4	94	60	88	81	8.3	7.8	—	—	—	—	—	1.8	0.0	0	10	2	08	2	—	—	—			
10	16.6	25.1	19.4	20.1	26.1	14.9	14.1	13.3	13.1	14.7	13.7	94	55	88	79	9.7	6.7	—	—	—	—	—	1.8	0.0	0	10	1	08	1	—	—	—			
11	18.0	24.2	17.4	19.2	25.0	17.5	17.0	14.0	12.3	13.6	13.3	91	54	91	79	7.1	2.8	—	—	—	—	—	1.8	0.0	0	10	2	04	1	—	—	—			
12	15.3	24.9	17.9	19.0	26.5	14.7	14.1	12.4	13.2	14.2	13.3	96	56	91	82	6.7	8.8	—	—	—	—	—	2.0	0.4	1	02	2	08	2	—	—	—			
13	17.8	26.2	19.7	20.8	27.0	14.8	14.0	14.7	11.5	15.6	13.9	96	45	90	77	8.3	8.3	—	—	—	—	—	1.8	0.0	0	10	2	08	3	—	—	—			
14	15.6	24.8	19.3	19.8	28.0	15.4	14.3	12.6	13.6	15.0	13.7	95	58	90	81	7.1	7.8	—	—	—	—	—	1.4	0.0	0	00	0	00	0	—	—	—			
15	15.6	24.0	18.9	19.4	25.7	15.0	14.5	12.3	12.4	14.3	13.0	93	56	88	79	6.7	5.4	—	—	—	—	—	1.6	0.0	0	10	1	08	1	—	—	—			
16	18.2	25.4	19.6	20.7	26.4	17.3	17.0	14.8	11.6	15.4	13.9	94	48	90	77	7.3	5.8	—	—	—	—	—	1.7	0.0	0	02	1	00	0	—	—	—			
17	17.6	27.0	19.4	20.8	27.8	16.5	15.7	13.6	10.5	15.2	13.1	91	38	90	73	5.3	8.6	—	—	—	—	—	2.0	0.0	0	12	1	08	2	—	—	—			
18	18.4	27.0	19.6	21.2	28.5	16.0	15.5	15.0	13.4	14.9	14.4	94	50	88	77	4.0	9.1	—	—	—	—	—	1.8	0.0	0	12	2	08	0	—	—	—			
19	17.8	25.4	18.9	20.2	26.9	17.0	16.0	14.7	13.2	14.6	14.2	96	54	90	80	7.7	7.2	—	—	—	—	—	2.0	0.0	0	12	2	08	1	—	—	—			
20	18.6	26.4	19.6	21.0	27.0	18.0	17.0	14.6	13.0	14.9	14.2	90	50	88	76	7.3	8.6	—	—	—	—	—	1.8	0.0	0	12	1	08	1	—	—	—			
21	18.4	26.8	20.0	21.3	27.4	17.5	17.0	15.3	13.2	15.0	14.5	96	50	86	77	3.0	9.6	—	—	—	—	—	2.0	0.0	0	16	2	00	0	—	—	—			
22	18.4	26.2	19.3	20.8	26.4	17.0	15.7	15.0	12.4	15.0	14.1	94	48	90	77	3.0	9.6	—	—	—	—	—	2.0	0.0	0	00	0	08	3	—	—	—			
23	18.1	26.8	19.4	20.9	28.3	17.3	16.5	14.7	12.0	14.7	13.8	95	45	88	76	4.7	7.9	—	—	—	—	—	2.0	0.0	0	12	2	08	1	—	—	—			
24	17.6	24.6	19.7	20.4	26.8	17.5	16.5	14.5	13.6	13.9	14.0	96	58	80	78	6.0	7.7	—	—	—	—	—	1.6	0.0	0	10	2	08	1	—	—	—			
25	17.6	26.6	19.1	20.6	27.0	17.5	16.5	14.2	10.4	14.8	13.1	94	40	90	75	7.3	6.8	—	—	—	—	—	1.6	0.0	0	10	2	08	1	—	—	—			
26	18.2	25.6	19.4	20.6	26.4	17.5	16.5	14.2	12.9	14.4	13.8	91	52	86	76	8.7	3.6	—	—	—	—	—	1.6	0.0	0	10	2	08	2	—	—	—			
27	17.2	26.4	20.0	20.9	27.2	15.0	14.1	14.0	13.0	14.9	14.0	95	50	85	77	7.3	6.5	—	—	—	—	—	2.0	0.0	0	14	2	08	2	—	—	—			
28	18.2	25.8	19.3	20.6	27.8	16.5	15.5	14.8	13.3	14.7	14.3	94	53	88	78	6.7	7.1	—	—	—	—	—	1.6	0.0	0	10	1	08	1	—	—	—			
29	18.0	23.4	18.1	19.4	24.7	17.6	17.0	14.5	12.9	13.8	13.7	91	60	90	81	8.7	2.6	—	—	—	—	—	3.8	1.4	0.0	0	00	0	12	1	—	—	—		
30	18.0	22.0	16.2	19.1	23.4	17.0	16.0	14.8	12.4	13.1	13.4	94	61	84	80	10.0	0.6	—	—	—	—	—	1.4	0.0	0	00	0	12	1	—	—	—			
31	16.1	23.4	17.3	18.5	23.6	15.9	15.0	12.8	12.0	12.3	12.4	94	55	84	78	9.0	3.6	—	—	—	—	—	1.6	0.0	0	12	2	12	3	—	—	—			
Med	17.6	25.3	18.9	20.2	26.6	16.6	15.8	14.2	1°	14.5	13.8	94	53	89	78	7.2	6.4	—	—	—	—	—	1.6	0.0	0	12	2	08	1	—	—	—			

Precipitación total: 23.9 m.m.

Est. Centigr 25

DATOS DIARIOS

Estación R O N T I R E P O Mes A g o s t o Año 19 6 9 ϕ 3 4° 4 9' N λ 7 6° 3 0' W GR Altura 1.4 0 0 M.

Días	T E M P E R A T U R A S °C						Humedad Relativa %			Brillo Solar Horas		PRECIPITACION m m			EVAPORACION m m			V I E N T O S										
	7	14	20	Med.	Máx.	Mín.	Molina Suño	7	14	20	Med.	7	14	20	Total	7	14	20	7	14	20	7	14	20				
																									DIREC CION	FUERZA Km./Hora	DIREC CION	FUERZA Km./Hora
1	16.1	24.6	18.5	19.4	25.8	15.4	14.2	13.0	12.4	14.3	13.2	95	53	90	79	7.3	2.1	—	3.3	—	—	—	—	—	—	—	—	
2	18.1	26.6	18.6	20.5	26.9	17.5	16.3	14.7	13.0	15.2	14.3	95	50	94	80	4.7	8.4	—	—	—	—	—	—	—	—	—	—	—
3	17.4	24.2	18.6	19.7	26.2	16.0	15.5	14.2	13.5	14.4	14.0	96	60	90	82	8.3	5.1	—	—	—	—	—	—	—	—	—	—	—
4	16.4	23.2	19.4	19.4	25.0	15.6	14.3	13.4	11.8	14.5	13.2	96	55	88	80	6.1	5.6	—	—	—	—	—	—	—	—	—	—	—
5	18.0	26.4	19.4	20.8	27.5	17.7	17.0	14.7	14.2	15.2	14.1	95	55	90	80	6.7	5.6	—	—	—	—	—	—	—	—	—	—	—
6	18.4	24.6	19.1	20.3	26.3	18.0	17.0	15.0	13.9	14.3	14.3	94	60	86	80	6.0	6.5	—	0.2	—	—	—	—	—	—	—	—	—
7	17.4	24.4	18.8	19.8	25.2	16.5	15.3	14.4	11.7	13.6	13.4	94	55	84	78	9.7	1.9	0.4	—	—	—	—	—	—	—	—	—	—
8	17.5	20.4	17.2	18.1	22.3	16.0	15.3	14.4	11.7	13.2	13.1	95	66	90	84	9.0	2.3	—	—	—	—	—	—	—	—	—	—	—
9	16.2	25.4	17.6	19.2	26.2	15.9	15.2	13.1	12.7	14.0	13.3	95	52	93	80	7.0	5.8	—	—	—	—	—	—	—	—	—	—	—
10	17.2	23.8	18.2	19.4	25.5	16.6	16.0	14.1	13.3	14.0	13.8	96	60	90	82	6.0	7.1	—	—	—	—	—	—	—	—	—	—	—
11	16.0	23.6	18.3	19.0	25.0	14.5	13.7	13.0	12.2	14.2	13.1	95	55	91	80	9.0	5.5	—	—	—	—	—	—	—	—	—	—	—
12	16.0	24.9	18.3	19.4	25.6	15.0	14.0	13.0	11.8	14.0	13.9	94	56	90	80	8.0	6.1	—	—	—	—	—	—	—	—	—	—	—
13	15.8	23.6	17.9	18.6	24.8	13.4	13.5	12.7	12.2	13.7	13.2	94	52	91	80	8.0	6.1	—	—	—	—	—	—	—	—	—	—	—
14	17.4	25.6	18.0	19.8	26.0	17.0	16.0	13.7	12.6	13.8	13.4	92	51	90	78	9.0	5.7	2.0	—	—	—	—	—	—	—	—	—	—
15	18.0	23.4	17.0	18.8	24.3	17.0	16.0	14.5	12.9	13.1	13.5	93	60	90	81	8.1	2.1	—	—	—	—	—	—	—	—	—	—	—
16	15.6	23.8	18.6	19.2	26.1	14.7	13.5	12.3	12.1	13.4	12.6	93	54	84	77	5.0	7.7	—	—	—	—	—	—	—	—	—	—	—
17	17.2	22.6	18.4	19.2	24.5	16.4	15.5	14.1	12.3	14.2	13.5	96	60	90	82	6.7	5.4	3.7	—	—	—	—	—	—	—	—	—	—
18	17.4	25.8	18.0	19.8	26.2	17.0	15.8	14.2	12.5	13.8	13.5	96	50	90	79	4.3	8.8	1.9	—	—	—	—	—	—	—	—	—	—
19	17.0	23.8	17.7	19.0	24.7	16.4	15.0	13.2	11.1	13.7	12.7	91	50	90	77	8.3	2.1	—	—	—	—	—	—	—	—	—	—	—
20	16.4	23.2	18.0	18.9	25.6	15.0	13.2	13.7	10.8	13.4	12.6	98	50	86	78	8.3	5.1	—	—	—	—	—	—	—	—	—	—	—
21	18.2	25.6	19.1	20.5	26.0	16.0	15.0	14.2	9.8	15.5	13.2	91	40	92	75	8.0	5.0	—	—	—	—	—	—	—	—	—	—	—
22	17.2	23.8	18.4	19.4	25.3	16.5	14.7	13.9	15.6	13.7	14.3	94	70	86	83	8.7	5.3	—	—	—	—	—	—	—	—	—	—	—
23	16.8	23.6	18.6	19.4	24.4	15.1	13.5	13.4	12.2	12.9	12.8	96	55	80	77	6.7	5.7	—	—	—	—	—	—	—	—	—	—	—
24	17.6	23.9	17.3	18.6	25.0	15.2	13.5	13.7	15.6	13.2	14.2	90	80	90	87	9.0	3.4	—	—	—	—	—	—	—	—	—	—	—
25	17.6	23.4	18.4	19.4	25.0	15.5	14.3	14.5	12.0	13.7	13.4	96	55	86	79	6.0	5.2	—	—	—	—	—	—	—	—	—	—	—
26	17.0	25.2	17.9	19.5	26.0	15.6	14.0	13.7	11.6	13.4	12.9	94	48	88	77	5.0	6.3	—	—	—	—	—	—	—	—	—	—	—
27	15.9	22.9	18.8	19.1	23.8	14.2	13.0	12.9	11.4	13.1	12.5	96	54	88	77	9.7	1.5	—	—	—	—	—	—	—	—	—	—	—
28	17.0	25.0	17.8	19.4	27.5	14.3	12.9	13.8	12.5	14.6	13.6	95	52	95	81	5.0	5.9	—	—	—	—	—	—	—	—	—	—	—
29	17.8	25.8	18.9	20.4	26.2	17.2	16.0	14.2	11.4	14.6	13.4	93	46	90	76	4.0	8.3	—	—	—	—	—	—	—	—	—	—	—
30	17.8	26.9	18.1	20.3	27.2	17.5	16.5	13.9	12.3	14.8	13.7	92	46	94	77	5.0	5.6	1.2	—	—	—	—	—	—	—	—	—	—
31	16.4	28.4	19.2	20.8	28.6	16.0	15.5	13.0	11.0	15.3	13.1	96	38	92	75	7.1	6.8	37.5	0.6	—	—	—	—	—	—	—	—	—
Med.	17.1	24.4	18.3	19.5	25.7	16.0	14.8	13.7	12.4	14.0	13.4	94	54	89	79	7.2	5.4	—	—	—	—	—	—	—	—	—	—	—

Precipitaciones en el 61.9 m.m.

Estación Montepío

Mes Septiembre Año 1969

φ = 3° 49' N λ = 76° 30' W. O.R

Altura 1.400 M.

DATOS DIARIOS

Días	TEMPERATURAS °C						TENSION DEL VAPOR mm						Humedad Relativa %			BRILLO SOLAR HORAS			PRECIPITACION mm			EVAPORACION mm			VIENTOS					
	7	14	20	Med.	Máx.	Mín.	7	14	20	Med.	7	14	20	Med.	7	14	20	7	14	20	7	14	20	7	14	20	DIRECCION	FUERZA	DIRECCION	FUERZA
	Km./hora	Km./hora	Km./hora	Km./hora	Km./hora	Km./hora	Km./hora	Km./hora	Km./hora	Km./hora	Km./hora	Km./hora	Km./hora	Km./hora	Horas	Horas	Horas	mm	mm	mm	mm	mm	mm	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA
1	18.0	22.2	18.0	19.0	25.0	17.2	16.5	14.7	14.0	14.5	95	73	91	86	9.7	4.2	0.6	3.5	---	---	---	1.3	00	0	10	1	00	0		
2	14.0	25.6	18.9	19.4	27.0	13.0	12.5	11.4	14.7	13.6	95	60	90	82	7.1	5.1	---	---	---	---	---	1.4	00	0	16	1	08	1		
3	17.0	26.6	19.5	20.6	28.2	15.4	14.4	14.0	13.2	15.1	96	46	90	78	3.0	9.6	---	---	---	---	---	3.0	00	0	16	1	12	1		
4	19.1	27.8	19.9	21.7	28.0	17.4	16.0	16.2	12.5	15.9	98	45	92	78	8.1	6.6	---	---	---	---	---	1.8	00	1	10	2	12	1		
5	19.0	28.8	20.0	22.0	29.1	17.6	17.0	15.7	15.1	14.5	95	40	90	75	14.0	9.2	---	---	---	---	---	2.2	00	0	12	3	08	2		
6	19.1	29.8	19.2	20.8	26.5	18.2	17.2	16.4	12.0	15.3	12.6	64	48	92	68	10.0	4.0	0.3	---	---	---	1.0	00	0	00	0	08	2		
7	17.0	23.6	17.8	19.0	24.2	17.0	16.0	14.0	13.1	13.2	13.7	96	60	92	81	9.1	1.3	---	---	---	---	0.3	---	---	0.3	---	---	---		
8	15.8	25.8	18.7	19.8	26.2	13.5	12.5	12.9	12.5	12.9	96	50	87	78	7.7	7.7	---	---	---	---	---	---	---	---	---	---	---	---		
9	18.6	26.2	19.8	21.1	27.0	17.7	16.3	15.5	13.1	15.1	14.6	96	51	88	78	8.0	7.6	---	---	---	---	---	---	---	---	---	---	---		
10	18.4	25.5	19.8	20.9	26.1	17.5	15.5	15.0	12.8	15.0	14.1	94	52	87	78	8.7	2.7	---	---	---	---	---	---	---	---	---	---	---		
11	19.0	28.6	18.8	21.3	29.0	18.9	17.9	15.1	13.4	14.9	13.8	92	54	90	79	8.0	7.2	---	---	---	---	---	---	---	---	---	---	---		
12	19.1	25.9	19.4	20.7	27.8	17.0	16.5	14.1	13.5	15.2	14.3	92	40	90	77	2.1	9.5	---	---	---	---	---	---	---	---	---	---	---		
13	19.2	27.8	20.2	21.8	28.5	16.5	17.0	15.4	13.7	15.9	15.0	93	40	90	77	2.1	9.5	---	---	---	---	---	---	---	---	---	---	---		
14	19.1	27.6	19.2	21.3	28.0	18.6	17.6	15.9	12.3	15.4	14.5	96	45	90	71	6.0	7.2	---	---	---	---	---	---	---	---	---	---	---		
15	18.8	27.0	19.4	21.2	28.1	18.0	17.0	15.0	12.5	15.2	14.2	91	46	90	76	8.1	3.5	0.2	---	---	---	---	---	---	---	---	---	---		
16	19.0	22.2	17.7	19.2	25.0	17.3	16.5	14.6	13.2	15.1	14.4	90	65	92	85	9.3	2.1	---	---	---	---	---	---	---	---	---	---	---		
17	17.4	23.6	17.7	19.1	24.7	16.5	15.5	15.0	13.1	14.8	14.1	100	60	97	86	9.1	2.7	---	---	---	---	---	---	---	---	---	---	---		
18	17.5	22.8	17.6	18.2	23.6	17.0	16.2	14.9	13.0	14.8	15.2	59	76	98	91	9.1	3.9	2.3	3.9	---	---	---	---	---	---	---	---	---		
19	16.6	20.1	15.5	16.9	21.0	16.2	15.0	13.6	13.2	12.5	13.1	96	74	95	88	10.0	---	8.5	6.6	---	---	---	---	---	---	---	---	---		
20	16.7	20.2	18.1	18.3	24.7	14.5	13.7	13.8	13.7	13.8	13.4	96	72	90	86	9.1	2.5	---	---	---	---	---	---	---	---	---	---	---		
21	17.2	27.0	18.6	20.4	27.5	16.0	15.7	14.2	13.4	14.4	14.0	96	50	90	79	9.7	4.9	0.4	0.1	---	---	---	---	---	---	---	---	---		
22	17.0	24.0	18.9	19.7	24.8	16.0	15.4	14.2	10.2	14.6	13.0	98	66	90	78	9.1	2.7	3.4	0.5	---	---	---	---	---	---	---	---	---		
23	17.6	17.9	18.5	18.1	25.4	16.0	15.1	14.2	14.6	14.1	13.4	94	95	90	9.1	9.7	2.2	---	---	---	---	---	---	---	---	---	---	---		
24	18.0	20.2	15.4	17.2	23.0	16.5	15.5	15.2	9.8	12.1	12.4	98	56	92	82	9.7	1.1	---	---	---	---	---	---	---	---	---	---	---		
25	13.2	22.8	18.1	19.0	24.5	11.5	11.0	10.9	12.5	11.8	12.4	96	60	90	82	6.0	6.2	---	---	---	---	---	---	---	---	---	---	---		
26	17.2	25.6	18.8	20.1	26.5	16.7	16.0	13.2	9.8	14.6	12.5	90	40	90	73	9.1	1.0	1.0	---	---	---	---	---	---	---	---	---	---		
27	16.8	22.5	18.1	18.9	22.9	16.1	15.7	13.6	12.9	13.8	13.6	95	64	90	83	9.1	1.9	17.3	7.1	---	---	---	---	---	---	---	---	---		
28	17.9	25.1	18.9	20.2	25.9	17.7	17.0	14.6	13.0	13.8	13.8	95	54	90	80	9.0	5.2	4.0	3.1	---	---	---	---	---	---	---	---	---		
29	16.8	22.8	17.3	18.6	23.2	16.4	15.5	13.8	13.6	13.2	12.9	96	55	90	80	8.1	---	15.2	2.0	---	---	---	---	---	---	---	---	---		
30	15.0	25.8	18.1	19.2	26.0	13.0	12.4	12.8	13.1	14.1	13.4	100	53	92	82	8.0	7.8	---	---	---	---	---	---	---	---	---	---	---		
31	17.5	24.6	18.5	19.8	25.9	16.4	15.5	14.1	12.8	14.5	13.8	94	56	91	80	8.2	4.5	1.9	1.6	---	---	---	---	---	---	---	---	---		
Med.	17.5	24.6	18.5	19.8	25.9	16.4	15.5	14.1	12.8	14.5	13.8	94	56	91	80	8.2	4.5	1.9	1.6	---	---	---	---	---	---	---	---	---		

Precipitación total : 145.1 m.m.

DATOS DIARIOS

Estación Reotropo

Mes Octubre

Año 1969

φ - 3° 49' N λ - 76° 30' W GR

Altura 1,400 M.

Días	TEMPERATURAS °C						TENSIÓN DEL VAPOR mm						Humedad Relativa %			Brillo Solar Horas		PRECIPITACION mm			EVAPORACION mm						VIENTOS						
	7	14	20	Med.	Máx.	Mín.	7	14	20	Med.	7	14	20	Med.	7	14	20	7	14	20	Total	7	14	20	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA	
																																	Mín. Suabo
1	16.6	19.6	16.5	17.3	20.7	16.6	16.0	13.5	12.0	13.2	12.9	95	70	94	86	10.0	—	37.9	23.7	—	—	23.7	—	00	0	00	0	00	0	00	0		
2	15.4	23.4	17.0	18.2	24.2	14.5	14.0	13.1	13.2	13.4	13.2	100	61	92	84	9.7	5.4	—	—	10.6	—	—	0.7	00	0	08	1	08	1				
3	17.2	20.2	16.9	17.8	24.0	16.0	15.3	13.7	14.3	13.6	13.9	93	80	96	90	9.3	1.4	15.5	0.3	6.7	7.7	9.8	00	0	08	2	04	1					
4	17.2	20.2	16.7	17.7	21.7	16.8	16.0	14.0	13.3	12.9	13.4	95	74	90	86	10.0	—	0.7	5.1	0.1	—	—	—	00	0	10	2	10	2				
5	16.4	22.6	17.9	18.7	24.0	15.7	14.8	12.3	12.8	11.7	11.7	88	48	84	73	9.0	2.2	—	—	—	—	—	1.6	00	0	10	1	00	0				
6	16.2	22.4	17.1	18.2	24.7	14.6	14.0	12.9	10.3	13.2	12.1	93	50	91	78	9.3	2.9	—	—	—	—	—	1.9	00	0	12	8	10	2				
7	15.2	24.8	17.5	18.8	25.2	14.6	13.7	12.7	10.3	13.4	12.1	98	45	90	78	7.7	6.8	—	—	—	—	—	1.5	00	0	10	2	08	1				
8	16.6	23.6	18.0	19.0	25.0	16.0	15.5	13.5	10.9	14.1	12.8	95	50	92	79	6.7	3.2	32.2	0.4	4.4	4.8	0.6	00	0	16	1	00	0					
9	17.2	24.3	17.7	19.2	25.0	16.5	15.7	14.4	12.6	14.7	13.9	97	50	90	79	6.7	6.2	—	—	—	—	—	1.0	00	0	10	2	10	1				
10	17.0	26.4	18.8	20.2	26.7	16.3	15.5	14.9	13.0	14.6	13.9	97	50	90	79	6.7	6.2	—	—	—	—	—	1.0	00	0	10	2	10	1				
11	18.3	23.2	18.0	19.4	24.2	17.5	16.7	14.9	15.0	13.1	14.3	95	70	85	83	7.3	4.0	—	—	—	—	—	—	00	0	10	2	00	0				
12	16.2	24.8	18.0	19.2	25.2	15.0	14.3	13.3	12.0	14.0	13.1	96	51	91	79	4.7	6.7	—	—	—	—	—	—	0.1	0.8	12	1	04	2	16	2		
13	18.0	21.8	17.4	18.6	23.4	17.0	15.0	14.7	12.8	13.0	13.5	95	65	88	83	5.0	5.2	0.1	—	—	—	—	1.7	00	0	10	2	00	0				
14	14.6	22.6	17.3	18.0	26.2	11.5	10.0	11.8	12.0	13.2	12.3	95	58	90	81	5.7	6.7	—	—	—	—	—	1.0	1.6	00	0	16	1	08	1			
15	17.2	18.8	17.0	17.5	22.3	16.0	14.5	13.7	14.3	13.1	13.7	93	88	90	90	10.0	—	0.9	3.4	1.7	3.1	3.1	0.9	00	0	00	0	08	1				
16	16.6	19.0	17.5	17.6	22.8	15.9	14.3	13.3	13.8	13.2	13.4	94	84	94	91	9.7	0.9	—	—	—	—	—	3.8	1.5	5.3	0.6	00	0	00	0			
17	17.5	25.5	18.3	19.9	26.1	14.5	12.9	14.4	13.0	14.8	14.1	96	53	94	81	7.0	4.3	—	—	—	—	—	0.1	0.1	1.1	00	0	02	1	08	1		
18	17.7	25.8	18.1	19.9	26.8	15.2	13.6	14.2	13.5	14.0	13.9	93	54	91	79	6.7	5.3	—	—	—	—	—	4.1	—	4.1	1.2	00	0	10	2	00	0	
19	19.0	24.2	19.0	20.3	26.0	17.7	16.5	15.5	9.9	14.8	13.4	94	44	90	76	6.3	3.2	—	—	—	—	—	2.3	00	0	04	1	04	2				
20	16.0	26.0	17.3	19.2	26.7	14.4	12.9	13.0	12.7	13.2	13.0	95	50	90	78	4.3	7.6	—	—	—	—	—	0.1	—	—	0.1	1.6	00	0	12	1	00	2
21	14.6	24.8	18.5	19.1	25.2	13.0	11.0	11.8	13.2	14.1	13.1	95	56	90	80	9.3	8.2	—	—	—	—	—	—	6.2	1.6	00	0	00	0	10	2		
22	17.2	25.0	17.3	19.2	25.5	16.4	15.0	14.0	9.6	13.5	12.4	95	40	92	76	5.0	5.1	6.2	0.2	—	—	—	0.2	1.4	00	0	00	0	10	2			
23	16.4	25.2	17.9	19.4	26.3	14.5	15.5	13.2	14.4	14.7	14.1	94	60	96	83	6.3	9.6	—	—	—	—	—	1.1	55.2	2.4	00	0	10	2	08	2		
24	15.8	22.2	16.5	17.8	23.0	15.0	14.5	12.9	12.6	13.4	13.0	96	63	95	85	9.0	0.5	54.2	3.2	—	—	—	1.2	0.6	00	0	00	0	00	0			
25	14.8	24.7	17.9	18.8	25.2	13.0	11.5	12.0	12.3	13.7	13.0	95	52	90	79	8.0	6.7	—	—	—	—	—	1.4	1.3	00	0	10	2	00	0			
26	16.4	24.9	18.8	19.7	26.0	14.4	13.2	13.3	13.0	14.6	13.6	95	55	90	80	5.0	8.2	1.4	—	—	—	—	—	3.6	1.4	1	12	2	00	0			
27	16.8	22.6	18.9	19.3	25.7	16.0	15.0	13.5	12.3	14.0	13.3	94	60	93	82	4.7	7.4	—	—	—	—	—	0.5	—	0.5	1.6	00	0	00	0	08	1	
28	18.0	24.6	19.3	20.3	26.4	15.8	15.0	14.9	13.5	15.1	14.5	96	60	91	82	5.0	7.2	—	—	—	—	—	0.2	0.2	1.6	00	0	10	1	08	1		
29	18.8	25.0	17.9	19.8	25.4	18.0	16.5	15.0	12.2	13.8	13.7	93	51	91	78	6.7	3.0	—	—	—	—	—	—	—	1.4	00	0	00	0	00	0		
30	16.8	24.8	18.8	19.8	25.6	15.5	14.0	13.6	13.9	14.9	14.1	95	60	92	82	4.7	6.5	—	—	—	—	—	—	—	1.8	00	0	10	2	08	1		
31	16.0	26.0	18.9	20.4	26.8	17.5	15.5	14.6	12.7	14.9	14.1	96	50	92	79	4.7	7.1	—	—	—	—	—	—	0.2	2.0	10	1	10	2	12	1		
Med.	16.8	23.5	17.8	19.0	24.9	15.6	14.4	13.6	12.5	13.8	13.3	95	58	91	81	7.3	4.7	4.8	1.4	1.1	6.1	1.4	—	—	—	—	—	—	—	—	—	—	

Precipitación total: 189.4 mm.

DATOS DIARIOS

Estación Rantropo M88 Noviembre Año 1969 Φ = 3° 49' N λ = 76° 30' W GR Altura 1.400 M.

Table with columns: Día, TEMPERATURAS (7, 14, 20 Med, Máx, Mín, Minima Suete), TENSIÓN DEL VAPOR (7, 14, 20 Med, m m), Humedad Relativa (7, 14, 20 Med, %), NUBES (7, 14, 20 Med), Brillo Solar (Horas), PRECIPITACION (7, 14, 20 Total, m m), EVAPORACION (7, 14, 20 Total, m m), VIENTOS (7, 14, 20 Direc, Fuerza, Km/Hora).

Precipitación total : 110.6 mm.

DATOS DIARIOS

Estación R. S. S. S. S. S.

Mes Diciembre Año 1969

φ = 35° 49' N λ = 76° 30' W GR

Altura 1.400 M.

Table with columns: TEMPERATURAS (7, 14, 20 Med, Max, Min, Minima Seto), TENSIÓN DEL VAPOR (7, 14, 20 Med, m m), Humedad Relativa (7, 14, 20 Med, %), NEBLOSIDAD (Brisa Solar, Horas), PRECIPITACION (7, 14, 20 Total, m m), EVAPORACION (7, 14, 20), and VIENTOS (7, 14, 20 with sub-columns for DIRECCION and FUERZA in Km/Hora).

Precipitacion total = 33.5 mm.

RESUMEN MENSUAL Y ANUAL

AÑO: 1.969

ESTACION: Restrepo

M E S E S	PRESION ATMOSFERICA SOBRE 800 MM. HG.			TEMPERATURA OC			TEMPERATURAS EXTREMAS OC						HUMEDAD RELATIVA %			TENSION DEL VAPOR MM. HG.			NEVOSIDAD MEDIA EN PROMEDIO		ERRORES EN PROMEDIO		PRECIPITACION			DIAS LLUVIOSOS				
	MAXIMA	MINIMA	DA	MAXIMA	MINIMA	DA	MAXIMA	MINIMA	DA	MAXIMA	MINIMA	DA	MAXIMA	MINIMA	DA	MAXIMA	MINIMA	DA	MAXIMA	MINIMA	DA	SUMA	7	14	20					
																											7	14	20	
ENERO	16.6	24.4	18.4	19.5	25.2	15.9	27.3	V	11.0	2	14.9	94	54	89	79	42	15.6	9.8	13.2	8.0	5.3	1.7	30.1	8.5	19.4	58.0	13	18.6	14	
FEBRERO	17.8	25.0	19.0	20.2	26.3	16.9	28.2	21	14.3	11	15.9	94	54	88	79	44	16.5	10.8	13.8	8.5	5.9	2.1	22.3	4.5	4.2	31.5	9	22.4	26	
MARZO	17.5	25.6	19.4	20.5	26.8	16.5	29.4	16	13.0	19	15.4	94	52	89	79	40	16.9	10.7	14.0	7.3	5.6	2.1	9.5	15.6	15.3	40.3	15	10.8	28	
ABRIL	17.8	24.0	19.1	20.0	26.1	16.8	28.4	4	14.3	26	15.9	95	62	91	83	45	17.1	10.8	14.4	8.6	3.2	1.4	50.1	51.1	19.6	186.3	21	36.3	21	
MAYO	17.9	24.2	19.1	20.1	26.2	17.0	29.2	24	15.0	V	16.2	94	65	92	84	48	17.9	11.6	14.7	8.6	4.7	1.3	35.9	45.2	80.3	157.0	19	35.7	21	
JUNIO	17.5	24.1	18.7	19.7	25.4	16.3	28.0	15	14.3	V	15.6	95	62	91	83	43	16.0	11.6	14.3	7.9	4.6	1.2	41.1	53.9	48.8	142.3	21	33.9	24	
JULIO	17.6	25.3	18.9	20.2	26.6	16.6	28.6	22	14.7	12	15.8	94	53	89	78	38	15.6	10.4	13.8	7.2	6.4	1.6	15.6	0.7	4.3	23.9	7	12.6	7	
AGOSTO	17.1	24.4	18.3	19.5	25.7	16.0	28.6	31	13.4	13	14.8	94	54	89	72	38	15.6	9.8	13.4	7.2	5.4	1.5	54.7	7.6	2.3	61.9	14	39.8	30	
SEPTIEMBRE	17.5	24.6	18.5	19.8	25.9	16.4	29.3	5	11.5	25	15.5	94	56	91	80	39	16.2	9.8	14.5	8.2	4.5	1.6	56.9	49.4	1.5	145.1	19	37.9	30	
OCTUBRE	16.8	23.5	17.8	19.0	24.9	15.6	26.8	V	11.5	14	14.4	95	58	91	81	40	15.5	9.6	13.3	7.3	4.7	1.4	150.5	43.4	33.2	189.4	22	55.2	23	
NOVIEMBRE	17.1	23.8	18.1	19.3	25.4	15.8	27.0	3	11.0	30	14.9	93	59	89	80	45	15.4	10.9	13.4	6.8	5.5	1.5	73.0	23.9	13.9	110.6	18	23.4	9	
NOVIEMBRE	17.2	24.3	18.2	19.5	25.7	16.3	27.7	29	13.8	23	15.3	94	57	90	80	46	15.7	11.6	13.6	7.1	5.5	1.6	10.1	6.8	16.6	33.5	14	10.3	4	
NOVIEMBRE	17.4	24.4	18.6	19.8	25.8	16.3	28.2	-	13.2	-	15.4	94	57	90	80	42	16.2	10.6	13.9	7.7	5.1	1.6	45.8	25.9	26.7	98.3	192	28.1	-	
MEDIA ANUAL																														

PRECIPITACION TOTAL: 1.179.8

PRECIPITACION MAXIMA: 55.2 - X - 23

DIAS LLUVIOSOS: 192

FRECUENCIA DE PRECIPITACION Y TEMPERATURA

ESTACION: Restrepo

AÑO: 1.989

MESES	PRECIPITACION												TOTAL				TEMPERATURA							
	7 HORAS			14 HORAS			20 HORAS			Més de:			Mínimo Abajo de 15 °C	Máxima Arriba de 24 °C	Mínimo Arriba de 17 °C	Máxima Arriba de 28 °C								
	Més de: 01	10	20	Més de: 01	10	20	Més de: 01	10	20	500	500													
ENERO	7	3	1	6	3	-	6	2	1	-	-	13	7	5	4	2	-	8	8	4	-			
FEBRERO	3	1	1	8	2	-	4	1	-	-	-	9	5	2	1	1	-	2	18	1	2			
MARZO	9	2	-	6	4	-	9	4	-	-	-	15	9	5	3	1	-	6	17	2	6			
ABRIL	10	6	2	12	5	2	15	8	4	2	-	21	16	12	9	8	5	3	16	5	4			
MAYO	9	6	1	9	5	2	12	6	2	2	-	19	12	10	9	7	2	2	20	1	2			
JUNIO	12	8	-	10	3	3	1	-	9	4	1	21	13	13	10	4	2	7	13	4	1			
JULIO	2	2	1	4	-	-	-	2	1	-	-	7	4	4	1	1	-	5	15	2	3			
AGOSTO	9	7	1	8	3	-	-	3	1	-	-	14	10	3	1	1	1	7	8	2	1			
SEPTBRE.	11	8	2	15	7	1	1	-	4	-	-	19	14	11	7	6	2	5	15	5	7			
OCTUBRE	10	7	4	13	7	1	1	-	10	7	1	22	15	11	8	4	4	12	5	8	-			
NOVBRE.	9	7	3	9	4	1	-	-	9	3	-	18	13	9	8	4	1	7	6	3	-			
NOVBRE.	6	3	-	5	2	-	-	-	6	3	-	14	8	5	1	1	-	6	11	1	-			
SUMA ANUAL	97	60	16	105	45	10	4	-	89	40	9	5	-	192	126	90	62	40	18	1	70	152	38	26

FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.

MESES	PRECIPITACION MAS DE 0.1 MM.																								TOTAL	
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	8-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24		
ENERO	-	1	1	4	4	6	3	2	3	2	1	1	1	3	3	2	-	2	-	-	-	-	-	1	1	14
FEBRERO	-	-	-	1	2	2	1	3	2	2	1	-	1	4	2	1	-	-	1	1	-	-	-	-	-	8
MARZO	-	-	-	1	2	3	2	4	2	1	-	-	1	3	2	2	-	2	7	5	3	3	1	1	1	13
ABRIL	4	4	4	3	4	2	3	5	2	-	1	2	1	9	11	5	5	4	2	2	2	3	4	6	21	17
MAYO	4	5	5	6	6	4	2	2	-	-	-	5	6	5	6	4	4	4	4	3	3	2	4	4	17	19
JUNIO	2	3	2	5	5	6	5	5	3	1	2	1	1	4	5	6	3	2	-	1	2	2	4	3	19	7
JULIO	-	-	-	1	2	2	3	-	-	-	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	7
AGOSTO	4	5	3	4	6	4	5	3	1	1	-	1	-	3	2	1	1	-	-	-	-	-	-	-	1	15
SEPTBRE.	3	4	7	7	8	7	6	6	6	4	4	3	6	3	3	-	-	-	-	1	1	3	2	4	17	17
OCTUBRE	5	4	5	7	7	6	6	9	6	4	2	2	4	4	5	1	1	1	2	4	3	3	5	21	21	20
NOVBRE.	3	4	5	6	4	5	3	2	-	1	-	2	4	5	8	5	1	1	-	1	2	3	2	2	20	
NOVBRE.	2	3	4	3	2	1	-	1	2	1	-	2	-	2	-	3	2	1	1	1	2	1	-	-	2	
SUMA ANUAL	27	33	36	47	51	48	38	45	28	19	10	16	19	50	46	34	21	17	17	21	16	19	20	29	188	

FRECUENCIAS DE: NUBOSIDAD - BRILLO SOLAR - VIENTOS

AÑO: 1.969

ESTACION: Reetzepo

MESES	NUBOSIDAD en DECIMOS		BRILLO SOLAR HORAS		Número de días con: VIENTOS																										
	Menor de 3.0		Más de 8.0		7 HORAS							14 HORAS							20 HORAS												
	Mé	de	Más	de	N	N	E	E	S	S	W	W	N	N	W	W	C	C	N	N	E	E	S	S	W	W	N	N	W	W	C	C
ENERO	1	18	5	3	-	-	1	1	2	-	-	-	12	10	4	2	3	-	-	-	-	-	-	-	16	6	-	-	9		
FEBRERO	-	23	1	2	-	-	-	-	-	-	-	8	13	1	4	1	1	-	-	-	-	-	-	-	14	9	-	-	5		
MARZO	1	16	1	-	-	-	2	2	-	-	2	9	14	1	4	3	-	-	-	-	-	-	-	11	8	2	-	7			
ABRIL	-	22	6	-	2	1	-	1	1	-	-	2	9	5	2	8	4	2	-	-	-	-	-	8	-	6	-	14			
MAYO	1	26	3	1	-	-	1	1	-	-	3	1	1	-	3	1	1	-	-	-	-	-	-	7	3	6	1	14			
JUNIO	-	17	2	-	1	1	-	2	1	1	-	1	10	7	1	4	-	-	-	-	-	-	-	3	11	5	-	11			
JULIO	2	11	1	3	-	-	-	-	-	-	-	1	9	11	3	4	-	-	-	-	-	-	-	1	15	3	2	10			
AGOSTO	-	14	-	-	3	3	-	3	-	-	3	2	10	7	-	8	-	-	-	-	-	-	-	2	13	5	2	8			
SEPTIEMBRE	3	23	3	3	1	-	1	2	2	-	2	3	12	3	-	8	1	-	-	-	-	-	-	1	22	2	5	1	13		
OCTUBRE	-	14	5	1	-	-	1	1	1	2	1	2	8	12	1	3	3	4	1	-	-	-	-	2	9	5	1	-	16		
NOVIEMBRE	1	9	-	1	-	-	-	-	2	-	-	3	11	11	1	2	4	-	-	-	-	-	-	3	4	1	-	-	16		
DICIEMBRE	2	13	1	1	-	-	1	-	-	-	-	3	11	11	1	2	4	-	-	-	-	-	-	12	2	3	-	-	10		
SUMA ANUAL	11	206	27	15	1	3	8	2	12	9	5	1	328	27	12	15	2	16	112	107	18	56	13	4	10	-	143	49	29	1	118

Frecuencia Horaria del Brillo Solar

MESES	Frecuencia a Pleno Sol														Frecuencia sin Sol																																	
	6-7		7-8		8-9		9-10		10-11		11-12		12-13		13-14		14-15		15-16		16-17		17-18		6-7		7-8		8-9		9-10		10-11		11-12		12-13		13-14		14-15		15-16		16-17		17-18	
	ENERO	-	1	5	7	9	8	13	17	11	11	-	-	-	-	-	-	-	-	-	-	-	-	28	12	8	7	3	1	2	4	5	4	6	10	12	19											
FEBRERO	-	6	7	8	10	10	15	13	13	7	-	-	-	-	-	-	-	-	-	-	-	-	25	17	7	6	5	3	1	2	4	5	2	5	3	7	11	22	28									
MARZO	-	1	4	9	10	10	11	14	18	11	6	-	-	-	-	-	-	-	-	-	-	-	28	17	12	7	8	9	8	9	8	8	14	18	23	28	23	23										
ABRIL	-	3	4	6	3	3	6	3	4	2	1	-	-	-	-	-	-	-	-	-	-	-	29	15	7	6	4	3	6	10	10	14	13	23	23	21	21											
MAYO	-	2	5	7	9	6	5	6	3	8	3	-	-	-	-	-	-	-	-	-	-	-	25	10	10	7	6	4	3	6	5	5	5	12	15	15	21	8	23									
JUNIO	-	3	9	19	14	11	5	7	5	5	5	-	-	-	-	-	-	-	-	-	-	-	17	11	5	2	2	4	1	2	2	2	4	8	23	19	19											
JULIO	-	5	10	9	6	6	8	8	5	8	5	-	-	-	-	-	-	-	-	-	-	-	24	14	6	5	5	5	6	6	2	4	4	3	9	14	22	22										
AGOSTO	-	1	3	9	11	7	8	10	9	8	5	-	-	-	-	-	-	-	-	-	-	-	27	22	15	9	9	8	8	10	11	10	10	14	22	14	22											
SEPTIEMBRE	-	3	7	9	8	6	9	10	11	12	3	-	-	-	-	-	-	-	-	-	-	-	28	18	10	9	7	7	10	7	7	12	15	15	23	14	23											
OCTUBRE	-	1	6	10	9	10	9	5	8	7	8	-	-	-	-	-	-	-	-	-	-	-	28	18	18	8	5	2	3	4	5	9	3	5	14	5	14											
NOVIEMBRE	-	1	3	7	10	9	11	14	12	8	7	-	-	-	-	-	-	-	-	-	-	-	30	18	6	4	3	2	3	5	5	5	5	9	9	17	9	17										
DICIEMBRE	-	17	68	106	105	94	93	110	117	104	64	-	-	-	-	-	-	-	-	-	-	-	316	188	160	69	53	57	62	71	80	103	139	139	139	247	247											

RESUMEN DE ALGUNAS CARACTERISTICAS DE LA PRECIPITACION

Estación: Restrepo

Año 1.969

MESES	TOTAL		No. PRECIPITACIONES		CANTIDAD		DURACION		PRECIPITACION MAXIMA				DURACION MAXIMA						
	m. m.	Dias	Dia	Noche	Total	Noche	Dia	Noche	Total	m. m.	Durac.	Int. Med.	Int. Max. 6/m.	Int. Max. 1 min. (altic.)	hr. min.	m. m.	Int. Med.	Int. Max. 6 min.	Int. Max. 1 min. (altic.)
Enero	56.0	13	11	11	27.9	30.1	15:10'	14:10'	29:20'	19.9	8:40	0.04	1.2	0.2	8:40'	19.9	0.04	1.2	0.2
Febre	31.5	9	15	4	8.7	22.8	8:00'	5:45'	13:45'	22.1	4:00	0.09	3.3	0.7	4:00'	22.1	0.09	3.3	0.7
Marzo	40.3	15	18	10	30.8	9.5	16:50'	8:10'	25:00'	7.7	1:30	0.08	4.0	0.8	4:20'	7.5	0.03	1.0	0.2
Abril	186.3	21	33	19	130.7	55.6	26:25'	33:15'	59:40'	36.2	1:40	0.36	8.7	1.7	11:20'	23.3	0.03	1.5	0.3
Mayo	157.0	19	24	20	125.5	31.5	25:25'	25:25'	50:50'	35.6	1:40	0.36	6.6	1.3	11:15'	19.1	0.03	0.9	0.2
Junio	142.3	21	24	19	102.7	39.6	18:40'	22:25'	41:05'	33.9	1:50	0.31	7.3	1.5	4:20'	10.2	0.04	0.7	0.1
Julio	23.9	7	6	5	4.9	19.0	2:35'	6:20'	8:55'	11.8	2:15	0.09	4.0	0.8	2:15'	11.8	0.09	4.0	0.8
Agosto	61.9	14	10	14	9.4	52.5	5:30'	18:45'	24:15'	32.5	5:55	0.09	6.0	1.2	5:55'	32.5	0.09	6.0	1.2
Septre.	145.1	19	22	25	50.9	94.2	29:40'	41:20'	71:00'	61.6	11:35	0.09	3.0	0.6	14:40'	15.1	0.02	1.0	0.2
Octbre.	189.4	22	25	15	76.9	112.5	23:30'	38:55'	62:25'	54.1	9:40	0.09	3.0	0.6	12:15'	26.3	0.04	4.8	1.0
Novbre.	110.6	18	21	17	37.8	72.8	16:30'	24:15'	40:45'	18.3	1:05	0.28	6.0	1.2	6:15'	15.9	0.04	1.2	0.2
Dobre.	33.5	14	13	10	23.4	10.1	9:10'	12:00'	21:10'	10.0	2:30	0.07	2.8	0.6	2:30'	10.0	0.07	2.8	0.6
TOTALES	1.179.8	192	222	169	629.6	550.2	197:25'	250:45'	448:10'	343.7	52:20'	33	33	33	87:45'	213.7	33	33	33

DATOS DIARIOS

Estación Delicias

Mes Enero

Año 19 69

$\phi = 35^{\circ} 31' N$ $\lambda = 74^{\circ} 53' WGR$

Altura 1.320 M

Días	TEMPERATURAS $^{\circ}C$						TENSIÓN DEL VAPOR				Humedad Relativa %			Nubosidad de 10 en 10	Brillo Solar Horas	PRECIPITACION mm.			VIENTOS										
	7	14	20	Med.	Max.	Min. Suelo	7	14	20	Med.	7	14	20			Total	7	14	20	Dircc. Km./hora	Fuerza Km./hora	Dircc. Km./hora	Fuerza Km./hora						
																								Evaporación mm.					
																								Total					
1	19.0	23.0	20.6	20.8	25.0	17.0	16.0	15.5	16.9	9.5	14.0	9.5	7.5	8.7	0.7	—	—	—	2.0	0.0	0.0	0.0							
2	18.2	21.9	21.0	20.5	23.6	17.8	16.2	13.6	15.6	9.8	13.0	8.7	8.0	5.3	7.3	10.0	3.7	—	2.8	0.0	1.6	2.08	2						
3	18.8	26.2	21.2	21.8	27.0	17.0	15.9	10.7	8.8	9.9	9.8	6.6	3.5	5.3	2.0	10.3	—	—	5.2	1.2	3.08	2	12	2					
4	18.0	25.2	21.0	21.3	26.0	16.9	16.0	13.1	10.7	10.3	11.4	8.5	4.5	5.5	6.2	4.0	9.8	—	—	5.2	0.0	0.08	3	12	3				
5	18.8	24.6	20.3	21.0	26.3	16.5	15.5	13.7	13.9	13.6	13.7	8.7	6.0	7.6	7.4	7.3	5.2	—	—	2.4	0.0	0.00	0	0.0	0				
6	18.0	23.0	20.2	20.4	24.3	17.5	16.9	15.7	14.8	11.4	14.0	9.5	7.0	6.5	7.7	7.3	4.5	3.5	—	—	2.2	0.0	0.00	0	0.0	0			
7	18.0	26.2	22.0	22.0	26.4	16.9	16.0	14.7	10.2	9.8	11.6	9.0	4.0	5.0	6.2	6.7	10.0	—	—	5.2	0.0	0.08	2	12	2				
8	17.2	26.3	22.2	22.0	26.5	16.4	15.3	11.8	10.2	12.0	11.3	8.0	4.0	6.0	4.0	8.9	—	—	—	5.2	0.0	0.08	2	12	3				
9	19.5	25.0	23.0	22.6	26.0	17.4	15.9	13.7	12.6	12.6	13.0	8.0	5.1	6.4	5.3	7.3	—	—	—	5.2	0.0	0.08	3	08	3				
10	21.0	23.0	22.0	22.0	25.6	18.0	17.0	13.1	12.8	11.9	12.6	7.1	6.0	6.4	7.3	5.1	—	—	—	5.0	0.0	0.12	2	12	2				
11	20.6	22.2	21.0	21.2	25.0	17.9	16.5	12.7	14.1	14.2	13.7	7.0	7.0	7.6	7.2	9.3	2.5	—	—	3.2	0.0	0.12	2	00	0				
12	19.6	21.0	19.0	19.6	22.9	17.0	16.0	14.5	13.5	14.8	14.3	8.5	7.3	9.0	8.3	10.0	0.4	—	—	3.4	0.0	0.00	0	0.0	0				
13	17.4	22.8	19.0	19.6	24.0	15.9	15.0	13.3	14.7	14.5	14.2	9.0	7.0	8.8	8.3	9.3	2.8	9.3	—	7.3	1.4	0.00	0	0.0	0				
14	17.4	21.2	16.8	18.0	22.0	16.6	16.0	14.2	15.9	13.5	14.5	9.5	8.5	9.4	9.1	10.0	1.4	7.3	—	7.3	1.4	0.00	0	0.0	0				
15	18.2	19.0	16.8	17.7	20.0	14.9	14.0	14.0	14.8	12.9	13.9	9.0	8.0	9.0	9.0	10.0	—	9.1	—	—	—	0.4	0.00	0	0.0	0			
16	18.0	22.0	20.6	20.3	23.0	15.9	15.0	14.1	15.8	14.7	14.9	9.2	8.0	7.0	8.1	10.0	3.2	—	—	—	—	2.0	0.00	0	0.0	0			
17	19.0	25.3	21.0	21.6	26.0	17.4	16.0	14.8	14.4	14.0	14.4	9.0	6.0	7.5	7.5	8.7	7.8	—	—	—	—	0.2	0.00	0	0.0	0			
18	18.2	22.4	19.4	19.7	22.8	16.9	16.0	14.0	15.4	14.8	14.7	9.0	7.6	9.0	8.5	10.0	3.4	0.2	—	—	—	1.4	0.00	0	1.6	2	00	0	
19	18.0	21.2	19.0	19.3	22.0	17.3	16.4	14.6	15.4	14.8	14.9	9.4	8.2	9.0	8.9	10.0	0.8	1.0	—	—	—	4.3	1.0	0.00	0	0.0	0		
20	17.0	21.9	19.0	19.2	22.9	15.9	15.0	13.8	15.6	14.1	14.5	9.5	8.0	8.6	8.7	8.7	2.8	41.3	—	—	—	0.8	1.2	0.00	0	0.0	0		
21	18.0	22.0	20.0	20.2	23.6	16.4	15.4	14.7	14.9	14.1	14.6	9.5	7.5	8.0	8.3	9.3	5.6	0.8	—	—	—	1.2	1.6	2.00	0	0.0	0		
22	18.0	23.4	21.0	20.8	24.9	16.5	16.0	14.7	14.3	14.9	14.6	9.5	7.0	8.0	8.2	9.3	6.0	—	—	—	—	6.1	2.0	1.6	2.00	0	0.0	0	
23	18.0	22.0	19.4	19.7	24.2	17.1	16.3	14.9	14.9	15.2	15.0	9.6	7.5	9.0	8.7	10.0	4.3	6.1	—	—	—	—	—	1.4	0.00	0	0.0	0	
24	18.0	21.0	20.2	20.4	23.0	17.1	16.4	14.6	13.8	14.3	14.2	9.4	6.5	8.0	8.0	9.1	4.9	—	—	—	—	1.2	2.0	0.00	0	0.0	0		
25	18.0	22.2	19.6	19.8	23.0	17.4	16.0	13.8	15.9	14.5	14.7	9.0	8.0	8.5	8.5	8.7	4.1	1.2	—	—	—	1.2	1.6	2.00	0	0.0	0		
26	18.4	24.0	21.0	21.1	24.6	16.8	15.5	15.1	11.2	14.9	13.7	9.5	9.0	8.0	7.5	9.3	6.8	—	—	—	—	—	1.4	0.00	0	1.6	2	00	0
27	18.4	23.0	21.0	20.8	26.0	17.4	16.0	13.3	14.8	14.9	15.0	9.6	7.0	8.0	8.2	9.1	5.3	—	—	—	—	—	2.0	0.00	0	0.0	0	0	
28	18.4	24.0	22.2	21.7	24.9	17.4	16.5	14.2	16.9	9.2	13.4	9.0	7.5	4.5	7.0	9.3	6.4	—	—	—	—	—	3.0	0.00	0	0.0	0	0	
29	18.0	26.2	20.3	21.2	27.3	15.9	15.0	12.4	12.4	14.3	13.0	8.0	4.8	8.0	6.9	6.0	9.8	—	—	—	—	—	3.0	0.00	0	1.2	2	00	0
30	19.2	25.6	18.8	19.6	24.0	17.1	16.3	13.4	14.5	13.6	13.8	9.5	7.5	8.4	8.4	8.7	3.5	31.8	—	—	—	—	1.2	0.00	0	0.8	2	00	0
31	18.0	25.0	20.6	21.3	26.3	17.3	16.0	14.7	15.4	13.8	14.6	9.5	6.5	7.6	7.7	6.3	10.2	—	—	—	—	—	2.0	0.00	0	0.8	2	00	0
Med	18.4	23.2	20.3	20.5	24.6	16.9	15.9	14.0	14.0	13.1	13.7	8.9	6.7	7.4	7.6	8.3	5.0	3.0	1.2	0.2	4.4	2.1	—	—	—	—	—	—	—

Precipitación total 136.6 m.m.

DATOS DIARIOS

Estación Dolores

Mes Febrero

Año 1969

$\phi = 31^{\circ}$ N

$\lambda = 74^{\circ}$ 51' W.G.R.

Altura 1.320 M.

Días	TEMPERATURAS					TENSIÓN DEL VAPOR					Humedad Relativa					PRECIPITACION			VIENTOS														
	7	14	20	Med.	Máx.	Mín.	Mínimo Steblo	7	14	20	Med.	7	14	20	Med.	7	14	20	m m		Total	7	14	20									
																			EVAPORACION	DIREC. FUERZA Km./Hora					DIREC. FUERZA Km./Hora	DIREC. FUERZA Km./Hora							
																Brillo Solar			Nubes														
																Horas			Nubes														
																Med.			Med.														
1	19.0	21.0	20.6	20.8	24.3	18.3	17.1	15.5	15.2	10.9	13.9	94	72	60	75	8.0	7.1	7.1															
2	17.6	23.0	20.0	20.2	24.9	16.8	16.0	13.8	11.8	12.2	13.9	78	56	70	68	9.1	5.8																
3	20.0	20.0	21.0	21.0	25.4	17.7	16.7	13.4	13.6	13.8	12.1	76	60	65	67	6.0																	
4	19.0	21.0	19.0	19.2	22.6	17.8	16.8	12.5	15.6	11.5	13.2	76	84	70	77	8.7	1.2																
6	18.0	24.0	19.0	20.0	25.0	16.6	16.0	13.6	12.4	13.2	13.1	80	55	80	74	7.3	5.3																
6	18.3	22.6	19.0	19.7	24.4	17.1	16.3	14.6	16.4	14.8	15.2	94	80	90	88	8.0	3.6																
7	18.6	25.0	21.0	21.4	25.2	17.9	16.6	14.4	17.0	14.9	15.4	90	71	80	80	8.0	4.1	0.2	0.9	5.9	7.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
8	19.0	21.6	20.0	20.2	23.4	16.9	16.0	15.7	16.0	15.8	15.8	95	83	90	89	9.3	2.8	0.8	3.5		3.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
9	19.0	22.0	18.2	19.4	24.0	18.0	17.6	14.8	13.8	13.6	14.1	90	70	86	82	8.7	2.5																
10	18.0	22.9	18.6	19.5	24.0	16.9	16.0	13.8	16.7	13.8	14.8	90	80	86	85	10.0	2.8	1.3	1.0	4.2	26.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
11	18.6	25.0	21.4	21.6	26.3	17.0	16.0	14.4	16.7	13.5	14.9	90	70	71	77	9.3	5.9	23.6	0.1		0.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
12	19.0	24.0	20.0	20.8	24.9	17.5	17.0	15.7	16.9	14.1	15.6	95	75	80	83	9.3	4.3																
13	18.4	25.3	21.0	21.4	26.3	16.9	16.0	14.5	14.4	13.0	14.0	92	60	70	74	7.3	8.7	1.0															
14	18.8	26.2	21.3	21.9	26.8	17.7	16.4	15.0	16.1	12.7	14.6	93	63	68	75	6.7	8.8																
15	18.8	25.0	22.0	22.0	26.3	17.9	16.7	14.6	16.7	15.0	15.7	90	70	80	80	9.3	7.5																
16	19.2	25.6	22.2	22.3	26.3	18.6	17.9	15.0	14.7	13.7	14.5	90	61	68	73	8.7	9.5																
17	19.6	25.0	22.3	22.3	26.2	17.9	17.1	15.4	15.4	14.4	15.0	90	65	70	75	8.7	7.8																
18	18.2	24.2	22.0	21.6	25.3	18.8	18.0	15.1	15.9	15.8	15.6	91	70	80	80	9.3	6.1																
19	19.0	21.8	22.0	21.2	25.0	17.0	16.5	15.5	16.4	13.0	15.0	94	81	66	81	6.7	4.1																
20	18.6	20.6	20.3	20.0	23.6	17.5	17.0	15.3	18.2	13.4	13.1	95	70	65	77	10.0	3.1																
21	19.0	21.3	23.4	23.3	27.9	17.9	16.3	12.9	13.3	12.0	12.7	78	48	55	60	5.3	8.1																
22	19.0	26.8	21.8	22.4	27.0	17.7	16.4	14.8	13.2	11.0	13.0	90	50	56	65	3.0	9.0																
23	18.8	26.3	23.3	22.9	27.6	16.9	16.0	14.6	14.3	13.8	14.2	90	56	65	70	2.7	10.2																
24	19.4	18.0	17.9	18.3	21.2	18.4	17.4	15.2	14.1	12.8	14.0	90	86	84	87	10.0	1.0	24.2	9.7	4.0	13.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
25	17.6	23.0	19.9	20.1	24.0	16.0	15.0	12.8	15.8	14.8	14.5	85	75	86	82	8.0	4.5																
26	17.3	23.2	21.0	20.6	26.0	16.5	16.0	14.0	15.0	14.9	14.6	95	70	80	82	8.7	5.0	0.8															
27	18.8	23.2	20.6	20.8	24.4	17.8	16.5	15.5	17.6	11.9	15.0	95	83	66	81	8.0	2.3	0.1	0.1		11.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
28	19.0	26.3	22.2	22.4	27.0	17.6	16.0	12.3	12.8	12.0	12.4	75	50	60	62	8.0	9.8																
29																																	
30																																	
31																																	
Med.	18.7	23.7	20.7	21.0	25.2	17.5	16.5	14.4	14.9	13.3	14.2	89	68	73	77	8.0	5.5	1.8	0.7	0.6	3.1	2.2											

Precipitación total : 86.9 mm.

DATOS DIARIOS

Estación Peloreña Mes Abrii Año 1969 $\phi = 3^{\circ} 31' N$ $\lambda = 74^{\circ} 53' WGR$ Altura 1.320 M.

Días	TEMPERATURAS					TENSION DEL VAPOR				Humedad Relativa %			Brillo Solar Horas	PRECIPITACION m m				EVAPORACION			VIENTOS					
	7	14	20	Med.	Máx.	Min.	Mínima Soltis	7	14	20	Med.	7		14	20	Total	7	14	20	7	14	20	DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora
	DIRECCION	PUERZA Km./Hora	DIRECCION	PUERZA Km./Hora	DIRECCION	PUERZA Km./Hora	DIRECCION	PUERZA Km./Hora	DIRECCION	PUERZA Km./Hora	DIRECCION	PUERZA Km./Hora		DIRECCION	PUERZA Km./Hora	DIRECCION	PUERZA Km./Hora	DIRECCION	PUERZA Km./Hora	DIRECCION	PUERZA Km./Hora	DIRECCION	PUERZA Km./Hora	DIRECCION	PUERZA Km./Hora	DIRECCION	PUERZA Km./Hora
1	19.0	24.4	20.0	20.8	25.0	18.0	17.1	15.2	14.4	15.3	93	71	83	82	8.0	4.2	0.2	0.5	0.1	3.1	0.0	0	0.0	0	0.0	0
2	19.0	25.0	20.6	21.3	26.0	17.6	16.9	15.7	16.2	16.2	95	70	90	85	8.0	6.5	0.1	0.1	0.0	3.4	1.4	0	0.0	0	0.0	0
3	20.0	21.0	19.6	20.0	24.0	17.6	16.8	15.3	16.7	14.9	95	90	88	90	9.3	1.7	2.9	3.8	0.3	4.1	0.0	0	0.0	0	12	2
4	20.0	22.0	21.8	21.4	25.0	17.0	16.6	16.7	16.6	15.6	95	84	90	86	10.0	2.0	—	—	—	—	—	1.2	0.0	0	0.0	0
5	19.0	22.2	19.6	20.1	24.0	17.0	16.5	14.8	15.2	16.3	90	76	95	87	10.0	2.1	—	0.1	—	0.1	—	—	0.0	0	0.0	0
6	19.0	22.8	19.4	20.2	24.0	17.6	16.5	15.5	15.2	15.6	94	76	93	88	9.3	1.6	—	—	0.4	3.2	0.6	0.0	0	0.0	0	0
7	19.0	22.6	19.0	19.9	22.9	17.1	16.0	14.9	17.0	14.8	91	83	90	88	9.3	—	22.8	—	—	—	1.0	0.0	0	0.0	0	0
8	18.4	24.6	21.0	21.2	25.3	16.6	16.0	14.6	16.3	11.4	92	70	61	75	8.7	7.4	—	—	—	—	—	1.0	0.0	0	0.0	0
9	17.6	21.0	17.7	18.5	22.4	17.0	16.0	14.4	15.6	14.6	95	84	95	91	9.3	2.4	—	—	—	—	—	1.4	0.0	0	0.0	0
10	18.0	22.0	17.6	18.8	23.3	16.5	16.0	14.0	15.5	13.5	14.3	91	78	90	86	9.3	2.4	5.1	1.0	—	7.9	1.2	0.0	0	0.0	0
11	20.0	21.0	19.0	19.8	22.0	17.5	17.0	15.8	17.3	15.7	16.3	90	93	95	93	10.0	2.2	—	—	—	—	1.0	0.0	0	0.0	0
12	19.0	21.4	18.0	19.1	23.1	17.0	16.4	15.7	15.3	14.9	95	80	96	90	10.0	3.2	—	—	—	—	—	1.0	0.0	0	0.0	0
13	18.0	20.0	18.0	18.5	22.0	16.0	15.4	14.7	15.0	13.8	14.5	95	86	90	90	10.0	1.3	55.9	0.1	0.8	21.3	0.4	0.0	0	0.0	0
14	17.1	22.0	20.6	20.1	24.9	15.3	14.6	13.8	15.8	16.2	15.3	95	80	90	88	9.3	2.9	20.4	—	—	—	2.0	1.0	0.0	0	0
15	19.2	21.4	19.0	19.6	23.0	17.7	16.4	15.6	17.1	14.8	15.8	94	90	91	10.0	1.0	2.0	17.7	0.3	21.1	0.4	1.2	0.0	0	0.0	0
16	19.0	22.9	19.0	20.0	24.0	17.6	16.0	15.7	18.1	15.2	16.3	95	90	93	93	10.0	1.4	3.1	—	—	—	5.7	44.4	0.4	0.0	0
17	19.0	22.0	20.0	20.2	24.6	18.0	17.4	15.7	17.8	15.8	16.4	95	90	92	10.0	2.3	38.7	0.6	—	—	—	4.6	1.0	0.0	0	0
18	19.0	23.9	21.0	21.2	25.6	17.9	17.0	15.7	16.6	16.7	16.3	95	75	90	87	10.0	2.0	4.0	0.1	9.1	12.4	1.0	0.0	0	0.0	0
19	19.0	21.2	20.3	20.2	23.6	18.3	17.1	15.7	15.1	16.1	15.6	95	80	91	89	8.7	1.4	3.2	3.1	0.4	3.5	3.2	0.0	0	0.0	0
20	21.4	26.2	24.8	23.3	27.6	19.1	18.0	13.7	12.8	13.0	13.2	72	90	64	62	8.6	6.7	—	—	—	—	0.6	4.0	0.0	0	0
21	20.2	25.0	22.0	22.3	26.0	17.8	16.6	13.6	15.0	12.8	13.8	76	63	65	68	9.3	5.7	0.6	0.8	—	0.8	3.2	0.0	0	0.0	0
22	20.0	21.0	19.6	20.0	24.0	17.9	17.0	14.9	15.9	15.4	14.8	85	86	90	87	10.0	1.3	—	—	—	—	4.9	—	3.2	0.0	0
23	19.6	23.6	21.9	21.8	25.0	17.7	16.4	15.4	13.1	12.6	13.8	80	65	72	10.0	0.7	—	—	—	—	—	—	—	3.2	0.0	0
24	19.0	23.2	21.0	21.6	25.9	17.9	17.4	15.4	17.6	16.7	16.5	80	83	90	84	10.0	5.4	—	—	—	—	—	0.4	1.0	0.0	0
25	19.0	19.2	18.8	19.1	20.0	16.5	16.0	15.7	16.0	15.0	15.6	93	93	94	10.0	—	—	0.4	4.4	1.3	5.7	0.2	0.0	0	0.0	0
26	18.6	23.9	19.4	20.3	26.0	16.0	14.9	14.4	17.7	15.2	15.8	90	80	90	87	6.7	7.8	—	—	—	—	0.6	0.6	1.0	0.0	0
27	19.9	27.0	23.6	23.5	27.9	17.9	17.0	15.6	16.2	14.4	15.4	90	60	65	72	8.0	10.4	—	—	—	—	—	—	3.0	0.0	0
28	21.0	26.0	20.6	22.0	27.0	18.0	17.0	14.0	19.0	12.7	15.2	75	70	73	9.3	7.3	—	—	—	—	—	—	—	—	2.4	0.0
29	19.0	22.0	20.0	20.2	24.0	17.0	16.0	14.8	18.8	14.1	15.9	90	95	80	88	9.3	3.4	—	0.5	—	—	—	—	0.8	1.2	0.0
30	20.0	25.0	20.0	21.2	25.1	17.4	16.5	16.6	17.5	15.0	16.4	95	73	86	85	8.7	3.8	0.3	0.3	0.8	12.8	1.2	1.6	2.0	0.0	0
Med.	19.3	22.9	20.0	20.5	24.4	17.4	16.4	15.1	16.3	14.8	15.4	90	79	85	85	9.3	3.4	5.9	1.3	0.7	8.3	1.4	—	—	—	—

Precipitación total : 249.6 m.m.

DATOS DIARIOS

Estación Dolores

Mes Mayo

Año 1969

φ 30 31 N λ 71 51 WGR

Altura 1.320 M.

Table with columns: TEMPERATURAS (7, 14, 20 Med, Máx, Mín, Mínima Suolo), TENSION DEL VAPOR (7, 14, 20 Med, m m), Humedad Relativa (7, 14, 20 Med, %), BRILLO SOLAR (Horas), PRECIPITACION (7, 14, 20 Total, m m), EVAPORACION (7, 14, 20 Total, m m), VIENTOS (7, 14, 20 DIRECCION, FUERZA, Km/Hours, m m).

Precipitación total: 116.9 m.m.

DATOS DIARIOS

Estacion Boleros Mes Junio Año 1969 $\phi = 3^{\circ} 31' N$ $\lambda = 74^{\circ} 53' WGR$ Altura 1.320 M

Dias	TEMPERATURAS						TENSION DEL VAPOR						Humedad Relativa			Brillo Solar Horas	PRECIPITACION			VIENTOS										
	°C			°F			mm			%			mm				Dirección		Fuerza		Dirección		Fuerza							
	7	14	20	Med.	Min.	Max.	7	14	20	Med.	7	14	20	Med.	7		14	20	Total	7	14	20	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA
1	21.6	25.9	21.4	22.6	27.0	18.9	18.0	14.5	17.7	16.2	16.2	75	71	85	77	8.0	8.4	0.6	—	—	0.1	—	—	—	—	0.0	0.0	0.0	0.0	
2	19.2	26.0	22.4	22.5	27.0	18.1	17.3	15.9	14.9	14.3	15.0	95	66	70	75	8.0	7.0	—	—	—	26.0	—	—	—	—	26.0	—	—	0	
3	19.0	21.2	19.2	19.2	22.0	17.0	15.9	14.8	16.9	14.5	15.4	90	90	93	91	8.7	2.2	26.0	1.3	6.4	7.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
4	19.0	22.0	20.0	20.2	24.0	17.4	16.3	15.9	17.8	15.8	16.5	96	90	90	92	10.0	2.4	—	—	—	6.4	8.2	0.4	0.0	0.0	0.0	0.0	0.0	0	
5	19.0	19.0	17.2	18.1	20.4	16.5	16.0	15.7	15.2	13.2	14.7	95	93	90	92	10.0	9.2	1.8	10.4	2.0	12.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0	
6	18.2	24.9	21.4	21.5	24.5	15.6	14.0	14.5	14.7	14.0	14.4	91	63	71	76	8.0	6.2	—	—	—	0.5	0.5	2.4	0.0	0.0	0.0	0.0	0.0	0	
7	21.2	25.2	21.0	22.1	26.0	17.9	17.0	13.2	14.4	13.0	13.5	70	60	70	67	8.7	5.2	—	—	—	0.2	0.2	2.4	0.0	0.0	0.0	0.0	0.0	0	
8	19.6	25.2	20.0	21.2	25.4	16.9	16.0	12.0	12.4	13.1	12.5	70	51	75	65	6.0	8.1	—	—	—	—	—	3.0	0.0	0.0	0.0	0.0	0.0	0	
9	18.1	21.4	22.0	20.9	23.0	16.3	15.5	13.3	16.2	13.8	14.4	85	85	70	80	9.3	5.0	—	—	—	10.6	11.9	2.0	0.0	0.0	0.0	0.0	0.0	0	
10	19.0	26.6	22.0	22.4	27.0	17.3	16.1	15.7	13.8	11.9	13.8	95	53	60	60	8.0	7.4	1.3	—	—	—	—	4.0	0.0	0.0	0.0	0.0	0.0	0	
11	19.3	23.2	21.0	21.1	25.0	17.1	16.4	15.0	17.6	13.0	15.2	90	83	70	67	6.1	6.1	—	—	—	—	—	2.2	0.0	0.0	0.0	0.0	0.0	0	
12	20.0	26.0	22.0	22.5	26.1	17.3	16.5	15.8	13.9	12.8	14.2	90	55	65	70	6.0	4.5	—	—	—	—	—	3.0	0.0	0.0	0.0	0.0	0.0	0	
13	20.0	27.0	22.2	22.8	28.3	17.3	16.0	14.1	13.2	13.2	13.2	80	45	65	63	2.0	10.4	—	—	—	—	—	—	—	—	—	—	—	0	
14	19.2	26.2	22.4	22.6	27.2	17.1	16.3	16.1	15.5	12.1	14.6	96	60	60	72	6.0	9.2	—	—	—	—	—	—	—	—	—	—	—	0	
15	19.0	24.2	21.3	21.4	26.0	16.5	15.4	13.2	12.6	10.3	12.0	80	55	55	63	4.7	7.7	—	—	—	—	—	—	—	—	—	—	—	0	
16	21.0	26.2	22.2	22.9	27.0	18.8	17.3	13.0	13.5	10.0	11.5	70	45	50	55	4.7	8.9	—	—	—	—	—	—	—	—	—	—	—	0	
17	20.0	26.8	20.0	21.6	26.6	17.5	16.0	14.9	14.0	14.1	14.3	85	55	56	71	6.0	8.4	—	—	—	—	—	—	—	—	—	—	—	0	
18	20.2	27.0	21.9	22.8	27.3	17.9	17.0	13.3	13.4	11.8	12.8	75	50	60	62	9.3	6.2	—	—	—	—	—	—	—	—	—	—	—	0	
19	21.0	25.8	22.0	22.7	26.9	19.0	18.0	14.0	12.5	11.9	12.8	75	50	60	62	6.7	6.9	—	—	—	—	—	—	—	—	—	—	—	0	
20	21.2	27.0	21.6	22.8	27.0	18.1	17.3	15.1	13.4	14.5	14.3	80	50	75	68	7.3	9.9	—	—	—	0.2	4.1	4.2	0.0	0.0	0.0	0.0	0.0	0	
21	19.0	23.2	20.9	21.1	24.0	17.9	16.5	13.5	12.8	11.1	12.5	80	50	60	61	9.3	0.5	3.9	—	—	—	—	—	—	—	—	—	—	0	
22	20.0	25.2	21.4	22.2	26.4	17.9	16.5	12.2	12.5	11.5	12.1	70	50	60	67	8.4	1.0	—	—	—	—	—	—	—	—	—	—	—	0	
23	21.0	25.4	21.0	22.1	27.0	18.6	17.5	14.0	12.9	11.3	12.7	75	53	60	63	8.0	4.1	—	—	—	—	—	—	—	—	—	—	—	0	
24	18.0	21.0	20.0	19.8	24.0	15.9	15.0	11.8	13.0	12.2	13.0	90	70	77	9.3	4.0	4.7	1.2	—	—	—	—	—	—	—	—	—	—	0	
25	20.2	23.9	21.0	21.5	24.0	17.5	16.0	13.6	11.1	11.3	12.0	76	50	60	62	9.1	3.6	—	—	—	—	—	—	—	—	—	—	—	0	
26	20.0	26.0	22.6	22.6	27.0	17.1	16.0	11.4	11.6	11.9	13.6	65	46	60	57	8.7	8.1	0.3	—	—	—	—	—	—	—	—	—	—	0	
27	18.0	23.6	19.6	20.2	23.0	16.5	15.4	13.1	12.0	13.1	12.0	93	60	70	74	8.7	3.5	18.6	1.2	—	—	—	—	—	—	—	—	—	0	
28	21.0	23.9	19.0	20.5	25.6	16.0	15.4	15.7	17.6	13.0	15.7	85	85	85	85	8.7	6.3	—	—	—	—	—	—	—	—	—	—	—	0	
29	20.2	22.0	19.4	20.2	24.0	18.0	17.1	16.8	14.4	14.0	15.2	95	73	81	84	8.7	2.1	—	—	—	—	—	—	—	—	—	—	—	0	
30	20.0	21.2	20.0	20.3	24.0	18.4	17.3	12.2	13.2	11.4	12.3	70	70	65	68	10.0	3.0	—	—	—	—	—	—	—	—	—	—	—	0	
31																														
Med	19.8	24.4	20.9	21.5	25.6	17.4	16.4	14.2	14.1	12.8	13.7	83	63	70	72	7.7	5.8	1.9	0.5	1.0	3.4	3.1	—	—	—	—	—	—	—	

Precipitacion total : 30.0 m.m.

DATOS DIARIOS

Estación DOLOROS

Mes JULIO

Año 1969

ϕ - 30° 31' N λ - 76° 53' W.G.R.

Altura 1.320 M.

Días	TEMPERATURAS °C					TENSIÓN DEL VAPOR mm					Humedad Relativa %			NEBULOSIDAD DECIMOS	Brillo Solar Horas	PRECIPITACION mm			EVAPORACION mm	VIENTOS								
	7	14	20	Med.	Máx. Min.	Mínima Sombra	7	14	20	Med.	7	14	20			Total	7	14		20	DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora				
																									DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora
1	19.6	21.2	19.3	19.8	22.1	18.4	17.3	12.0	11.3	10.0	11.1	70	60	63	0.0	3.4	—	—	—	5.0	08	3	08	0	0			
2	19.2	22.0	19.0	19.8	23.6	17.9	17.0	11.7	11.9	11.5	11.7	60	70	67	10.0	1.7	—	—	—	4.0	12	1	12	3	08	2		
3	19.2	22.4	20.4	20.4	23.0	17.3	16.4	11.7	11.9	11.1	11.6	70	60	63	6.7	3.0	1.4	—	—	4.0	12	2	08	2	08	2		
4	20.0	25.0	21.2	21.8	26.0	17.3	16.0	13.4	11.4	9.9	10.9	65	48	55	5.3	10.1	—	—	—	5.2	00	0	12	2	12	2		
5	20.0	26.0	21.0	22.0	27.0	16.8	15.5	12.2	11.3	13.0	12.2	70	45	70	62	5.3	8.8	—	—	4.2	00	0	00	0	12	2		
6	19.0	25.0	21.7	21.8	26.0	16.5	15.0	13.2	14.2	11.4	12.9	80	60	58	6.7	8.6	0.9	—	—	4.0	00	0	12	2	12	2		
7	19.0	25.0	21.0	21.5	26.0	17.0	16.0	11.5	10.6	11.7	11.1	70	45	60	9.3	4.4	—	—	—	3.2	04	2	16	2	12	2		
8	18.2	24.0	21.0	21.0	25.0	17.7	16.0	13.3	15.7	11.3	13.4	85	70	60	72	6.7	7.2	—	—	3.2	00	0	12	2	12	2		
9	18.6	24.2	21.3	21.4	25.8	15.8	15.0	12.1	12.0	11.3	11.8	75	53	63	6.0	7.3	—	—	5.0	00	0	12	2	12	2			
10	19.4	22.2	18.0	19.4	24.0	17.6	16.4	13.5	14.1	13.1	13.6	80	70	85	78	9.3	2.9	—	—	3.0	0.9	6.1	—	—	—	—	—	
11	18.4	24.2	21.0	21.0	25.0	17.3	16.5	11.5	10.1	10.5	10.7	74	45	56	9.8	10.1	4.4	—	—	5.2	00	0	12	2	12	1		
12	20.2	26.2	20.0	21.6	27.0	17.0	15.8	11.6	11.5	10.6	11.2	66	45	60	57	4.0	10.4	—	—	5.2	12	2	08	2	08	1		
13	19.0	23.6	21.0	21.2	24.0	17.4	16.6	10.8	10.9	9.8	10.5	65	50	53	5.6	2.7	11.0	—	—	5.0	08	3	08	3	08	1		
14	20.4	24.2	21.0	21.6	26.0	17.7	16.7	9.1	10.1	10.3	9.8	50	45	55	9.0	6.7	3.6	—	—	5.2	08	3	08	3	08	1		
15	20.0	25.2	22.0	22.3	27.0	18.0	17.0	10.6	10.7	10.5	10.6	60	45	53	7.3	6.7	—	—	—	3.2	00	0	08	2	08	2		
16	19.2	25.0	21.0	21.6	26.0	16.0	15.5	13.3	11.9	10.3	11.8	80	50	65	6.7	8.0	2.0	—	—	1.7	5.2	08	2	12	2	00	0	
17	18.4	24.2	21.2	21.2	25.0	16.9	16.0	13.2	12.6	11.2	12.4	83	55	64	6.8	9.3	3.1	—	—	4.4	5.2	08	3	12	2	12	2	
18	21.2	23.0	21.0	21.6	25.0	19.0	18.2	11.3	11.3	11.3	11.3	60	53	60	5.8	7.3	4.1	0.4	—	—	0.1	5.2	08	2	12	2	12	2
19	9.4	23.2	20.0	20.6	25.0	18.0	16.6	12.7	12.8	11.9	12.5	75	60	68	6.8	4.0	7.9	—	—	—	5.2	08	3	08	3	08	3	
20	20.2	23.9	21.0	21.5	26.0	18.6	17.4	12.4	11.1	13.0	12.2	70	90	70	63	6.7	5.8	0.1	—	—	—	5.2	12	1	12	3	12	3
21	20.0	21.6	20.0	20.4	26.0	18.8	17.4	12.2	13.4	11.1	12.2	70	70	63	6.8	9.3	5.4	—	—	—	5.2	12	2	08	2	08	2	
22	20.0	24.9	21.0	21.7	26.0	18.3	17.3	12.0	11.2	12.6	11.9	68	48	67	61	6.7	5.5	—	—	—	5.2	08	2	12	1	12	1	
23	20.4	23.0	21.0	21.4	26.8	18.4	17.3	11.7	11.4	11.5	11.5	66	48	62	5.9	4.0	9.8	—	—	—	5.2	08	2	08	3	08	2	
24	20.2	23.4	21.0	21.9	27.0	19.0	18.3	10.7	10.4	10.7	10.6	60	48	55	5.4	7.3	6.9	—	—	—	5.2	12	2	08	3	08	3	
25	22.0	23.6	20.0	21.4	26.0	18.5	17.4	10.9	12.6	12.2	11.9	55	58	70	61	9.3	6.9	—	—	—	5.0	08	2	08	2	12	1	
26	21.0	22.0	21.0	21.2	23.6	19.0	18.1	10.9	11.9	11.5	11.4	58	60	62	6.0	8.7	1.3	—	—	—	5.2	00	0	08	3	12	1	
27	20.4	24.2	21.0	21.6	25.0	18.0	17.0	12.1	12.7	11.5	12.1	69	56	62	6.2	8.0	9.4	—	—	—	5.0	08	2	08	2	12	1	
28	21.0	25.0	21.0	22.0	26.0	18.8	18.0	10.9	9.8	10.3	10.3	58	41	55	51	3.3	10.5	—	—	—	5.2	00	0	08	2	12	1	
29	19.4	26.4	22.0	22.4	27.0	18.0	17.0	11.8	11.7	1.2	11.8	70	45	60	5.8	8.0	5.9	—	—	—	5.2	00	0	08	2	12	2	
30	19.2	25.2	22.2	22.2	26.8	18.8	17.1	12.5	12.8	12.0	12.4	75	53	60	6.3	8.0	5.3	—	—	—	5.2	00	0	08	3	12	1	
31	19.2	21.0	21.4	20.8	25.0	18.0	17.1	15.0	17.1	13.3	15.1	90	92	70	8.4	8.7	2.8	—	—	—	5.2	00	0	08	2	12	2	
Med.	19.7	23.9	20.8	21.3	25.5	17.8	16.7	11.9	12.4	11.4	11.8	70	54	62	6.2	6.9	6.5	0.4	0.6	—	4.8	—	—	—	—	—	—	

Precipitación total : 29.7 mm.

Emit. Contadé 25

DATOS DIARIOS

Estación Dolores Mes Agosto Año 1969 $\phi = 30^{\circ} 31' N$ $\lambda = 74^{\circ} 53' WGR$ Altura 1.320 m.

Días	TEMPERATURAS						TENSION DEL VAPOR			Humedad Relativa %			NIEBLAS HORAS	PRECIPITACION			EVAPORACION			VIENTOS								
	7	14	20	Med.	M.&X.	Min.	Winds Solo	7	14	20	Med.	7		14	20	Total	7	14	20	7	14	20						
																							DIREC	FUERZA	DIREC	FUERZA	DIREC	FUERZA
1	19.0	21.2	20.6	20.4	23.0	17.5	16.0	14.9	15.1	13.6	14.5	91	80	75	82	8.0	1.9	2.0	00	0	00	0	00	0	00	0		
2	20.0	26.0	22.0	22.5	26.4	17.4	15.5	12.2	11.3	11.2	11.6	70	45	56	57	8.1	4.6	5.2	00	0	08	2	12	3	3	3	3	
3	19.9	22.0	20.0	20.5	23.0	17.6	16.5	12.0	11.4	11.0	11.5	70	58	62	63	9.3	1.3	5.0	08	3	08	3	08	3	08	3	08	
4	20.2	25.0	22.2	22.4	27.0	17.9	16.5	11.4	10.4	11.9	11.2	65	44	60	56	2.1	10.6	5.2	12	2	12	2	12	2	12	2	12	
5	21.0	26.0	23.0	23.2	27.0	17.9	17.0	14.2	13.2	12.2	13.2	76	52	58	62	6.7	6.8	4.2	00	0	00	0	00	0	00	0	00	
6	19.0	24.2	22.0	21.8	28.0	16.8	15.5	12.3	12.0	12.4	12.2	75	53	63	64	7.3	6.7	6.9	5.0	0	12	2	12	2	12	2	12	
7	20.0	23.0	20.0	20.8	25.0	15.9	15.0	12.2	11.3	11.4	11.6	70	53	65	63	5.7	5.9	6.9	5.0	12	2	12	2	12	2	12	2	12
8	19.4	25.2	22.2	21.4	24.6	16.9	16.0	12.7	10.7	11.2	11.2	70	45	56	57	8.7	5.0	5.0	00	0	08	2	08	2	08	2	08	
9	18.0	23.2	22.2	21.4	24.6	16.9	16.0	12.7	10.6	11.6	11.7	82	50	61	64	9.3	5.1	5.0	00	0	08	2	08	2	08	2	08	
10	20.2	24.0	21.0	21.6	26.0	15.9	15.0	13.3	10.7	10.5	11.5	75	48	56	60	7.3	6.6	5.0	00	0	08	2	08	2	08	2	08	
11	19.6	25.2	21.2	21.8	27.0	17.9	16.0	10.4	10.3	9.9	10.2	80	43	53	52	5.3	7.1	5.0	00	0	08	2	08	2	08	2	08	
12	18.6	24.0	22.2	21.8	27.0	17.0	16.0	12.9	12.0	10.3	11.7	80	53	50	61	6.7	5.4	5.0	00	0	04	2	04	2	04	2	04	
13	19.2	21.4	22.0	22.2	26.6	17.9	16.5	12.5	10.4	10.5	11.1	75	43	53	57	6.7	5.7	5.0	00	0	08	2	08	2	08	2	08	
14	20.2	24.0	20.2	21.2	27.2	18.4	17.5	14.3	13.0	11.9	13.1	80	58	60	66	5.3	9.2	3.2	00	0	00	0	00	0	00	0	00	
15	17.6	24.2	22.0	21.4	26.0	16.5	15.0	14.0	13.5	9.8	12.4	93	60	90	68	8.7	4.8	3.0	00	0	00	0	00	0	00	0	00	
16	19.2	26.8	21.0	22.0	27.0	17.0	15.0	13.5	10.5	11.3	11.8	81	40	60	60	7.3	7.8	5.2	00	0	12	2	12	2	12	2	12	
17	19.0	26.0	21.0	21.8	27.0	18.4	17.5	11.5	10.0	11.3	10.9	70	40	60	57	5.3	8.0	5.2	00	0	08	2	08	2	08	2	08	
18	18.4	26.2	22.2	22.2	28.0	16.8	16.0	14.2	10.2	10.0	11.5	90	40	50	50	5.3	8.8	5.2	00	0	00	0	00	0	00	0	00	
19	19.0	26.6	23.0	22.9	27.9	17.5	15.0	14.8	11.3	14.0	11.0	90	60	53	68	8.7	5.0	5.2	00	0	00	0	00	0	00	0	00	
20	19.4	26.8	23.0	23.0	28.0	18.4	17.2	15.2	10.5	9.0	11.6	90	40	43	58	7.3	4.4	3.2	00	0	00	0	00	0	00	0	00	
21	20.0	24.4	19.0	20.6	26.0	16.9	16.0	13.5	13.4	13.8	13.6	77	58	84	73	7.1	3.0	5.0	00	0	12	2	12	2	12	2	12	
22	18.3	26.2	23.0	23.1	28.4	16.9	15.5	13.6	11.6	11.7	12.3	86	40	55	60	6.0	7.9	3.8	00	0	00	0	00	0	00	0	00	
23	19.0	25.9	20.0	21.2	27.5	16.5	14.7	13.2	12.0	14.1	13.1	80	48	80	69	7.0	4.7	5.0	00	0	00	0	00	0	00	0	00	
24	18.2	21.0	22.0	21.3	25.3	17.7	16.5	14.2	13.8	10.5	12.8	91	65	70	7.7	6.3	7.6	4.2	00	0	08	1	08	1	08	1	08	
25	18.6	26.0	22.0	22.2	27.5	17.7	16.5	14.4	10.9	11.9	12.4	90	43	60	64	8.7	6.5	5.2	00	0	00	0	00	0	00	0	00	
26	20.0	26.2	21.4	22.2	28.0	16.5	15.5	14.1	11.5	10.8	12.1	80	45	56	60	5.3	6.7	4.4	00	0	00	0	00	0	00	0	00	
27	19.0	20.7	21.2	20.4	24.5	17.0	16.3	15.9	14.1	11.7	13.9	96	80	62	79	10.0	1.2	2.3	00	0	08	1	08	1	08	1	08	
28	18.0	26.6	22.4	22.4	27.9	16.7	15.7	12.9	10.4	11.3	11.5	83	40	55	59	7.3	6.3	0.7	00	0	00	0	00	0	00	0	00	
29	20.2	28.4	23.0	23.6	29.6	18.7	17.9	12.4	10.2	9.7	10.8	70	35	46	50	6.7	4.8	4.2	00	0	08	2	08	2	08	2	08	
30	21.0	26.4	22.4	23.0	27.0	18.6	17.7	13.0	12.0	11.1	12.1	70	46	55	57	6.7	6.9	7.2	00	0	08	2	08	2	08	2	08	
31	19.2	24.0	19.2	20.4	24.5	16.8	17.7	13.3	13.5	12.2	13.0	80	60	73	71	10.0	---	0.3	00	0	08	2	08	2	08	2	08	
Med.	19.3	25.0	21.5	21.8	26.6	17.4	16.1	13.2	11.8	11.3	12.1	79	50	59	63	7.2	5.7	0.5	0.1	0.2	0.8	0.8	4.6	4.6	4.6	4.6	4.6	

Precipitación total: 26.1 m.m.

DATOS DIARIOS

Mes Septiembre Año 1969

Altura 2,320 M.

φ = 3° 31' N λ = 74° 53' W GR

Estación Dolorosa

Días	TEMPERATURAS °C							TENSION DEL VAPOR m m							Humedad Relativa %			Nubosidad DECIMOS	Brillo Solar Horas	PRECIPITACION m m			VIENTOS						
	7	14	20	Med.	Máx.	Mín.	Mínima Suolo	7	14	20	Med.	7	14	20	Total	7	14			20	Total	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA	DIREC. FUERZA		
																												7	14
1	19.0	26.0	21.2	21.8	27.5	17.0	16.0	12.9	12.7	11.3	12.3	78	50	60	63	6.7	6.8	—	—	6.4	08	2	08	2	08	2			
2	20.2	26.0	23.0	23.0	28.5	18.5	16.0	11.4	10.0	10.6	10.7	64	40	50	51	7.3	9.9	—	—	8.2	00	0	08	2	08	1			
3	18.0	26.0	22.2	22.1	26.5	17.5	15.5	13.1	12.7	12.0	12.6	85	50	60	65	4.0	8.3	—	—	6.2	00	0	08	1	08	1			
4	21.0	27.2	23.2	23.6	28.5	17.5	15.5	13.0	13.3	12.8	13.0	70	48	60	59	4.0	10.0	—	—	8.4	08	2	08	2	12	2			
5	21.0	27.4	22.0	23.1	28.0	19.5	17.5	13.0	12.4	11.9	12.4	70	45	60	58	5.3	8.9	—	—	9.2	08	2	08	2	12	4			
6	22.0	28.2	24.0	24.0	28.5	20.0	16.7	11.9	13.0	11.7	12.2	60	45	55	53	5.3	7.6	—	—	8.4	00	0	08	2	12	2			
7	21.2	27.4	23.2	23.8	29.5	20.0	17.1	12.3	12.4	11.8	12.2	65	45	55	55	5.5	7.5	—	—	6.4	00	0	08	2	12	2			
8	20.0	27.8	23.2	23.6	30.0	18.0	16.0	12.3	9.8	11.8	11.3	70	35	55	53	5.3	8.9	—	—	7.0	00	0	12	1	00	0			
9	20.0	27.2	23.0	23.3	28.0	19.0	18.0	10.6	12.3	11.7	11.5	60	45	55	53	3.3	7.3	—	—	7.4	4	12	1	08	2	12	4		
10	19.0	26.2	23.0	22.8	28.0	18.0	16.7	13.3	12.8	13.8	13.3	81	50	65	65	9.3	7.3	—	—	6.0	12	1	12	1	12	1			
11	20.0	27.0	22.4	23.0	28.0	18.5	18.0	12.2	12.2	11.8	12.1	70	45	58	58	6.0	9.1	—	—	6.0	12	1	12	1	12	2			
12	22.0	26.0	22.4	23.2	27.5	18.5	19.8	12.8	12.7	12.1	12.5	65	50	60	58	4.0	6.2	—	—	8.0	10	1	10	2	12	4			
13	21.0	27.2	22.4	23.2	28.0	19.4	18.0	13.0	11.8	12.4	12.4	70	43	58	57	3.3	10.3	—	—	0.6	9.4	12	2	08	4	08	2		
14	21.0	26.0	22.4	23.0	29.0	18.7	16.7	13.0	11.3	12.1	12.1	70	45	60	58	7.3	7.7	0.6	—	3.6	8.0	08	1	08	2	12	4		
15	22.2	27.0	22.4	23.5	28.5	19.0	16.7	14.1	12.2	12.1	12.8	70	45	60	58	6.0	6.1	1.6	—	—	8.2	12	1	12	2	12	2		
16	21.4	25.4	22.4	22.9	26.5	19.0	17.0	12.4	12.4	13.4	12.7	65	51	65	60	9.7	3.4	—	—	5.4	08	1	12	2	12	2			
17	20.0	25.2	22.0	22.3	28.0	18.5	17.0	15.0	14.4	13.0	14.1	86	80	66	73	8.3	4.0	—	—	0.7	2.8	00	0	16	1	00	0		
18	18.4	22.0	19.2	19.7	25.0	18.0	17.5	15.6	14.7	12.5	14.3	98	73	75	82	9.3	2.1	0.7	61.5	—	41.5	1.2	00	0	08	1	00	0	
19	19.0	19.4	18.2	18.7	21.5	17.5	16.5	16.5	16.1	15.4	16.0	100	95	98	98	10.0	3.0	—	—	0.4	0.6	1.0	00	0	00	0	00	0	
20	18.4	23.0	21.4	21.0	25.0	16.5	16.0	15.3	14.8	10.5	13.5	98	70	55	74	9.3	3.5	0.2	—	—	2.0	00	0	00	0	00	0		
21	19.2	20.0	20.0	19.8	24.8	17.5	15.1	16.6	18.2	14.6	16.1	91	95	70	85	10.0	3.3	—	16.9	—	16.9	1.4	00	0	10	1	12	1	
22	19.2	23.2	20.0	20.6	23.5	16.5	16.0	16.4	13.8	13.8	14.7	98	65	79	81	7.3	1.8	—	1.9	—	1.9	1.2	00	0	00	0	00	0	
23	19.0	24.0	22.4	22.0	26.0	16.5	15.0	12.3	15.7	13.6	13.6	75	70	63	69	6.0	6.7	—	—	—	1.1	3.0	10	1	16	1	12	1	
24	19.0	25.0	19.9	21.0	26.5	17.4	14.4	16.0	16.5	11.9	16.0	100	50	93	81	7.3	2.7	1.1	12.0	—	12.0	1.2	00	0	00	0	00	0	
25	19.0	25.0	23.3	23.6	26.0	16.5	16.0	13.9	14.2	12.4	13.5	85	60	58	68	7.3	7.2	—	—	—	1.3	3.0	00	1	00	0	12	1	
26	18.0	23.0	19.4	20.0	24.5	17.4	16.6	14.0	15.5	15.2	14.9	91	73	90	85	6.7	4.2	1.1	—	—	27.7	1.2	16	1	00	0	00	0	
27	18.0	22.4	20.0	20.1	24.5	16.5	15.0	15.6	15.3	17.5	16.1	100	75	100	92	9.3	3.7	27.7	—	—	1.1	2.2	1.2	00	0	00	0	00	0
28	19.2	23.4	21.0	21.3	25.5	17.7	16.4	15.0	15.6	15.4	15.3	90	70	83	81	8.7	5.4	0.9	—	—	10.9	1.4	00	0	00	0	00	0	
29	18.4	22.4	19.4	19.9	23.0	17.8	17.0	16.0	16.1	16.6	16.2	100	80	98	93	9.1	5.4	10.9	1.5	—	11.3	1.0	00	0	16	1	00	0	
30	17.0	24.0	20.0	20.2	25.0	16.7	16.0	13.7	13.6	15.9	14.4	94	61	91	82	7.3	5.3	9.8	0.2	—	17.0	1.4	04	1	16	1	00	0	
31																													
Med.	19.7	25.0	21.6	22.0	26.7	18.0	16.6	13.7	13.4	13.1	13.4	80	53	68	69	7.0	6.1	2.0	2.5	—	5.1	4.8	—	—	—	—	—	—	

Precipitación total : 152.7 m.m.

RESUMEN MENSUAL Y ANUAL

AÑO 1969

ESTACION: Dolores

M E S	PRESION ATMOSFERICA SOBRE 800 MM. HG.				TEMPERATURA OC				TEMPERATURAS EXTREMAS OC				HUMEDAD RELATIVA %				TENSION DEL VAPOR DEL VAPOR MM. HG.				NUBOSIDAD MEDIA EN DECIMOS				EVAPORACION MM.				PRECIPITACION							
	MAXIMA	MINIMA	DA	DA	MAXIMA	MINIMA	MEIA	MEIA	MAXIMA	MINIMA	DA	DA	MAXIMA	MINIMA	MEIA	MEIA	MAXIMA	MINIMA	MEIA	MEIA	MAXIMA	MINIMA	MEIA	MEIA	MAXIMA	MINIMA	MEIA	MEIA	MAXIMA	MINIMA	MEIA	MEIA	MAXIMA	MINIMA	MEIA	MEIA
ENERO	18.4	23.2	20.3	20.5	24.6	16.9	27.3	29	14.9	15	15.9	89	67	74	76	35	16.9	8.8	13.7	8.3	5.0	2.5	91.8	37.6	7.2	136.6	12	42.0	30							
FEBRERO	18.7	23.7	20.7	21.0	25.2	17.5	27.9	21	16.0	25	16.5	89	68	73	77	48	17.6	10.9	14.2	8.0	5.5	2.4	49.8	19.3	17.8	86.9	14	26.8	10							
MARZO	19.5	24.1	21.3	21.5	25.6	17.8	28.0	24	16.5	5	16.8	86	71	71	76	44	18.1	9.6	14.6	8.2	5.0	2.3	26.4	66.8	2.6	96.0	13	27.1	26							
ABRIL	19.3	22.9	20.0	20.5	24.4	17.4	27.9	27	15.3	14	16.4	90	79	85	85	50	19.0	12.7	15.4	9.3	3.4	1.4	177.9	40.4	19.8	249.6	24	66.0	12							
MAYO	20.0	24.6	21.8	22.0	26.0	17.7	28.2	31	16.5	2	16.6	84	66	72	74	48	18.1	11.6	14.6	8.2	5.0	2.9	45.6	0.5	83.9	118.9	16	37.0	2							
JUNIO	19.8	24.4	20.9	21.5	25.6	17.4	28.3	13	15.6	6	16.4	83	63	70	72	45	17.8	10.0	13.7	7.7	5.8	3.1	58.0	16.1	28.5	102.0	17	26.0	2							
JULIO	19.7	23.9	20.8	21.3	25.5	17.8	27.0	V	15.8	9	16.7	70	54	62	62	41	17.1	9.1	11.8	6.9	6.5	4.8	10.9	17.3	0.9	29.7	8	16.9	31							
AGOSTO	19.3	25.0	21.5	21.8	26.6	17.4	29.6	29	15.9	10	16.1	79	50	59	63	35	15.9	9.9	12.1	7.2	5.7	4.6	16.6	4.0	6.1	26.1	12	7.6	23							
SEPTIEMBRE	19.7	25.0	21.6	22.0	26.7	18.0	30.0	8	16.5	V	16.6	80	58	68	69	35	17.5	9.8	13.4	7.0	6.1	4.8	60.2	74.0	1.7	152.7	16	41.5	18							
OCTUBRE	18.5	23.0	20.1	20.4	24.1	17.0	27.5	V	15.6	24	16.0	93	74	81	83	42	17.0	10.7	14.7	7.8	4.6	1.6	132.7	103.7	22.0	241.6	21	44.3	1							
NOVIEMBRE	18.3	22.6	19.5	20.0	23.8	16.9	27.0	14	16.0	V	16.1	97	81	88	89	50	20.0	12.3	15.6	8.3	4.4	1.0	188.9	41.2	11.7	241.8	27	77.1	7							
DICEMBRE	18.8	23.1	19.9	20.4	24.4	17.2	26.5	V	16.5	V	16.5	95	79	86	87	50	19.3	11.5	15.6	8.2	4.6	1.2	69.4	63.2	20.0	152.6	21	33.5	8							
MEDIA ANUAL	19.2	23.8	20.7	21.1	25.2	17.4	27.9	-	15.9	-	16.4	86	68	74	76	44	17.8	10.6	14.1	7.9	5.1	2.7	77.4	40.3	18.5	136.2	201	37.2	-							

PRECIPITACION TOTAL: 1.634.5

PRECIPITACION MAXIMA: 77.1 - XI - 7

DIAS LLUVIOSOS: 202

FRECUENCIA DE PRECIPITACION Y TEMPERATURA

ESTACION: Delors

AÑO: 1.969

MESES	PRECIPITACION														TEMPERATURA			
	7 HORAS				14 HORAS				20 HORAS				Mínimo		Máximo			
	Mts. de:		Mts. de:		Mts. de:		Mts. de:		Mts. de:		Mts. de:		Mts. de:		Mts. de:			
	01	10	200	500	01	10	100	200	500	01	10	100	200	500	16 oc	18 oc	23 oc	27 oc
ENERO	12	10	2	1	-	3	2	1	-	1	1	-	-	-	5	1	8	2
FEBRERO	8	4	2	2	-	8	4	-	-	5	4	-	-	-	1	5	2	4
MARZO	5	2	1	1	-	5	5	2	-	8	1	-	-	-	-	10	3	8
ABRIL	17	11	4	4	1	18	7	1	-	11	3	-	-	-	3	5	7	3
MAYO	12	6	2	-	-	6	-	-	-	10	8	2	2	-	-	10	1	12
JUNIO	9	7	2	1	-	2	5	1	-	9	5	1	-	-	3	8	2	10
JULIO	7	4	-	-	-	2	2	1	-	1	-	-	-	-	2	16	2	5
AGOSTO	1	3	-	-	-	6	2	-	-	2	2	-	-	-	2	6	2	18
SEPTBRE.	11	7	2	1	-	6	5	3	1	2	1	-	-	-	-	15	2	16
OCTUBRE	16	14	4	2	-	10	9	3	2	10	3	-	-	-	5	3	11	4
NOVIEMBRE	18	13	6	5	1	16	9	1	-	8	3	-	-	-	2	3	8	1
DIEMBRE	12	7	3	-	-	14	11	2	-	11	6	-	-	-	-	3	6	-
SUMA ANUAL	134	88	28	17	2	96	61	15	6	-	78	37	3	2	23	82	54	83

FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.

MESES	PRECIPITACION MAS DE 0.1 MM.																								TOTAL
	0-1	1-2	2-3	3-4	4-6	6-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	
ENERO	2	4	4	3	5	4	3	-	-	1	1	2	2	-	1	1	1	1	1	-	2	2	1	4	11
FEBRERO	-	3	4	4	3	4	-	2	3	-	1	3	4	3	3	3	2	-	-	-	1	-	1	-	11
MARZO	-	1	-	-	1	2	1	-	-	-	1	2	5	4	6	2	-	1	1	1	1	1	-	-	12
ABRIL	8	12	8	8	6	6	3	6	6	6	3	6	7	5	5	5	5	1	3	2	2	3	3	3	23
MAYO	4	4	5	7	6	4	1	-	-	1	-	1	-	2	6	7	2	1	2	2	3	2	4	4	18
JUNIO	2	2	2	3	1	2	2	2	2	2	1	1	1	4	3	3	4	4	1	3	6	4	3	1	16
JULIO	3	2	-	-	-	1	1	1	-	-	-	-	-	1	1	-	-	-	1	2	3	1	7	7	
AGOSTO	-	4	3	1	2	2	2	1	2	2	-	1	1	2	1	1	1	-	1	1	1	1	2	1	12
SEPTBRE.	3	2	3	4	3	4	5	4	4	3	2	1	1	1	-	1	1	-	1	1	1	2	1	1	14
OCTUBRE	10	9	6	9	7	8	8	5	6	4	6	5	5	2	4	4	2	-	2	2	2	1	2	4	21
NOVIEMBRE	3	6	8	4	7	11	8	8	5	5	4	3	3	5	4	4	5	-	-	2	3	3	3	3	24
DIEMBRE	1	2	-	3	4	4	4	4	4	2	3	2	8	6	8	7	4	1	2	1	-	2	3	3	22
SUMA ANUAL	36	51	43	46	45	52	38	33	33	26	22	26	39	33	36	37	31	10	16	12	15	24	24	28	191

FRECUENCIAS DE: NUBOSIDAD - BRILLO SOLAR - VIENTOS

AÑO: 1969

ESTACION: Dolores

MESES	NUBOSIDAD en DECIMOS		BRILLO SOLAR HORAS		Número de días con: VIENTOS																									
	Misma de do		Más de do		7 HORAS							14 HORAS							20 HORAS											
	do	30	do	09	N	N	E	E	S	S	W	W	W	W	C	N	N	E	E	S	S	W	W	W	W	C				
ENERO	1	22	4	4	3	-	-	-	-	1	-	27	5	-	-	6	-	3	-	17	-	-	-	-	2	-	5	-	24	
FEBRERO	1	21	1	4	-	-	-	1	-	-	-	27	2	-	-	2	-	4	-	20	-	-	-	2	-	4	-	24		
MARZO	1	24	3	1	-	-	-	2	-	2	-	29	2	-	-	1	-	2	-	21	-	-	-	2	-	9	-	20		
ABRIL	-	29	4	1	1	-	-	-	-	1	-	28	2	-	-	6	-	1	-	23	-	-	-	1	-	6	-	23		
MAYO	2	21	1	3	-	-	-	4	-	4	-	24	2	-	-	5	-	0	-	16	-	-	-	1	-	1	-	14		
JUNIO	1	19	2	3	-	-	-	4	-	2	-	24	4	-	-	11	-	3	-	16	-	-	-	1	-	1	-	12		
JULIO	1	13	-	5	-	-	-	1	-	13	-	10	1	-	-	17	-	11	-	2	-	-	-	10	-	6	-	3		
AGOSTO	1	10	1	2	-	-	-	2	-	2	-	27	1	-	-	1	-	14	-	5	-	-	-	6	-	4	-	12		
SEPTIEMBRE	-	10	-	4	1	-	-	1	-	5	2	16	4	-	-	11	2	5	-	8	-	-	-	4	-	8	-	1		
OCTUBRE	3	20	4	2	1	-	-	1	-	1	2	1	26	10	-	-	8	-	11	-	11	-	-	4	-	6	-	18		
NOVIEMBRE	1	19	4	1	3	-	-	1	-	1	-	26	6	-	-	5	-	1	-	17	-	-	-	2	-	4	-	5		
DICIEMBRE	1	21	3	1	4	-	-	4	-	2	-	21	11	-	-	1	-	7	-	12	-	-	-	3	-	5	-	21		
SUMA ANUAL	13	229	27	31	14	-	7	-	30	2	28	1	283	44	-	9	-	16	2	61	-	173	-	5	-	8	-	128	1	196

Frecuencia Horaria del Brillo Solar

MESES	Frecuencia a Pleno Sol														Frecuencia sin Sol													
	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18				
ENERO	-	1	4	6	8	11	9	13	12	17	11	7	-	31	20	12	10	5	6	6	7	6	8	5	6	14		
FEBRERO	-	1	4	6	8	11	9	13	12	13	13	11	-	28	15	9	3	6	8	4	2	2	2	5	11	16		
MARZO	-	1	9	8	9	6	5	6	6	6	6	6	-	31	10	6	5	3	4	6	10	8	10	12	16	14		
ABRIL	-	2	3	5	4	5	3	3	3	6	6	7	-	28	22	20	20	16	14	11	11	5	8	9	14	15		
MAYO	-	6	6	8	7	6	7	7	7	5	7	8	-	22	17	12	9	7	4	2	4	7	9	13	15			
JUNIO	-	5	9	12	12	9	10	8	9	5	5	4	-	25	11	6	7	6	5	2	4	4	4	7	14	9		
JULIO	-	8	10	11	16	16	10	8	13	13	11	-	-	26	8	7	7	2	2	5	3	6	5	5	9	9		
AGOSTO	-	4	7	7	6	7	6	7	10	8	6	-	-	23	12	6	6	4	4	2	3	4	6	8	8	8		
SEPTIEMBRE	-	5	6	10	10	12	13	11	13	11	8	-	-	26	16	11	9	6	4	2	4	3	4	4	4	8		
OCTUBRE	-	6	5	6	7	11	12	10	9	6	6	-	-	29	20	17	14	8	8	7	4	4	7	11	18	6		
NOVIEMBRE	-	3	1	4	5	8	7	9	11	8	8	-	-	30	21	19	14	12	6	6	5	6	4	5	6			
DICIEMBRE	-	1	3	4	5	4	6	8	5	8	7	-	-	30	17	11	9	4	3	7	5	7	9	9	30			
SUMA ANUAL	-	33	73	85	94	93	98	102	115	108	91	-	-	329	189	136	113	79	68	61	61	64	73	94	143			

RESUMEN DE ALGUNAS CARACTERISTICAS DE LA PRECIPITACION

Estación: Dolores

Año 1-969

MESES	TOTAL		No. PRECIPITACIONES		CANTIDAD		DURACION			PRECIPITACION MAXIMA				DURACION MAXIMA						
	m. m.	Dias	Dia	Noche	Total	Noche	Total	m. m.	Durac.	Int. Max. 5/m.	Int. Max. 1/m.	hr. min.	m. m.	Int. Med.	Int. Max. 5 min.	Int. Max. 1 min. (altic.)				
Enero	136.6	12	4	18	22	44.8	91.8	5:40'	21:20'	27:00'	41.2	2:20'	0.29	9.1	1.8	3:25'	8.7	0.04	0.9	0.2
Febrero	86.9	14	16	14	30	37.1	49.8	13:20'	9:00'	22:20'	24.2	1:30'	0.27	4.3	0.9	3:25'	12.9	0.06	2.0	0.4
Marzo	96.0	13	15	6	21	69.3	26.7	9:55'	4:45'	14:40'	26.8	0:45'	0.60	10.2	2.0	1:40'	23.0	0.23	4.0	0.8
Abril	249.6	24	18	26	64	60.2	189.4	34:05'	48:15'	82:20'	51.6	5:00'	0.17	10.1	2.0	5:00'	51.6	0.17	10.1	2.0
Mayo	118.9	16	14	18	32	85.0	33.9	14:00'	22:35'	36:35'	37.0	1:30'	0.41	10.0	2.0	4:50'	7.7	0.03	0.6	0.1
Junio	102.0	17	19	10	29	44.1	57.9	16:45'	22:50'	39:35'	26.0	4:30'	0.10	4.4	0.9	5:10'	10.7	0.03	1.0	0.2
Julio	29.7	8	3	10	13	17.3	12.4	2:20'	8:30'	10:50'	16.3	1:00'	0.27	4.5	0.9	1:40'	2.0	0.02	0.3	0.1
Agosto	26.1	12	9	10	19	10.1	16.0	9:00'	12:35'	21:35'	6.9	3:00'	0.04	0.7	0.1	3:00'	6.9	0.04	0.7	0.1
Septbre.	152.7	16	11	17	28	75.7	77.0	12:55'	24:15'	37:10'	42.2	7:00'	0.10	5.1	1.0	7:00'	42.2	0.10	5.1	1.0
Octbre.	241.6	21	27	33	60	125.7	115.9	30:25'	40:25'	70:50'	40.7	10:25'	0.06	2.0	0.4	10:25'	40.7	0.06	2.0	0.4
Novbre.	241.8	27	28	31	59	52.7	189.1	23:05'	37:40'	60:45'	62.9	8:30'	0.12	10.1	2.0	8:30'	62.9	0.12	10.1	2.0
Dicbre.	152.6	21	33	17	50	85.0	67.6	29:25'	16:15'	45:40'	19.1	0:55'	0.35	7.0	1.4	4:10'	17.6	0.07	8.1	1.6
TOTAL	1,634.5	801	217	210	427	707.0	927.5	200:55'	268:25'	469:20'	394.9	46:25'	XX	XX	XX	58:15'	286.9	XX	XX	XX

DATOS DIARIOS

Estación Oigantto Mes Enero Año 1969 $\phi = 29^{\circ} 21' N$ $\lambda = 75^{\circ} 31' W$ WR Altura 1,500 M.

Días	TEMPERATURAS						TENSION DEL VAPOR						Humedad Relativa						PRECIPITACION			EVAPORACION			VIENTOS											
	°C			°F			mm			%			%			mm			mm			mm			Km/Hora		Km/Hora		Km/Hora							
	7	14	20	Med.	Mín.	Máx.	Mín.	Máx.	Med.	7	14	20	Med.	7	14	20	Med.	7	14	20	7	14	20	Total	7	14	20	DIREC	FUEZA	DIREC	FUEZA	DIREC	FUEZA			
1	17.4	26.0	19.9	20.8	26.5	16.8	15.5	11.9	8.9	11.8	10.9	6.8	61	5.3	6.7	1.8	12	1.00	0	02	1	1.0	12	1.00	0	02	1	1.0	12	1.00	0	02	1			
2	18.0	25.8	19.9	20.9	26.0	17.0	15.8	12.2	6.1	13.0	10.4	7.8	24	7.5	5.1	3.4	2.4	60	0	0	0	0	2.4	60	0	0	0	2.4	60	0	0	0	0			
3	17.8	27.2	19.9	21.2	28.5	16.0	15.0	10.5	4.3	6.9	7.2	68	6	4.0	9.1	7.2	68	6	4.0	9.1	7.2	2.4	66	1	12	1	06	1	12	1	06	1				
4	17.2	25.9	20.0	20.8	27.0	15.9	14.8	10.6	5.1	9.6	8.4	72	20	5.5	4.9	6.3	8.2	72	20	5.5	4.9	6.3	8.2	2.2	56	1	12	1	06	1	12	1	06	1		
5	19.8	24.4	21.2	21.7	26.2	17.9	16.5	12.0	11.5	10.3	11.3	70	50	5.5	5.8	5.1	2.9	70	50	5.5	5.8	5.1	2.9	2.4	60	0	0	0	0	0	0	0	0	0		
6	20.0	24.9	19.9	21.7	24.9	17.0	15.5	12.0	11.2	9.7	11.0	68	50	5.3	3.7	1.1	3.7	68	50	5.3	3.7	1.1	3.7	2.2	66	1	12	1	06	1	12	1	06	1		
7	18.4	27.3	19.9	21.4	27.3	16.3	15.0	10.3	5.5	5.8	7.2	65	20	3.5	4.0	3.3	8.7	65	20	3.5	4.0	3.3	8.7	2.0	60	0	0	0	0	0	0	0	0	0		
8	16.0	25.6	20.8	21.3	26.3	16.6	16.5	7.7	5.8	8.5	7.3	50	23	4.6	4.0	5.3	7.2	50	23	4.6	4.0	5.3	7.2	1.6	60	0	0	0	0	0	0	0	0	0		
9	19.4	25.8	21.7	22.2	26.9	18.6	17.4	10.8	11.2	13.6	11.9	64	45	7.0	6.0	6.3	4.1	64	45	7.0	6.0	6.3	4.1	0.4	1.6	0.0	0	0.2	1.0	0.2	1.0	0.0	0	0		
10	18.4	26.3	22.1	22.2	26.6	16.9	15.9	13.2	9.6	11.2	11.3	83	38	5.5	5.7	6.3	4.1	83	38	5.5	5.7	6.3	4.1	0.8	1.0	0.0	0	0.6	1.0	0.0	0	0.6	1.0	0.0	0	
11	19.9	22.9	19.7	20.5	26.0	17.5	16.8	12.0	12.5	12.6	12.4	70	60	7.4	7.1	5.1	2.4	70	60	7.4	7.1	5.1	2.4	0.8	1.4	0.6	1	0.6	1	0.6	1	0.6	1	0.6	1	
12	19.9	23.0	19.8	20.6	24.1	17.5	16.0	11.8	12.6	15.6	13.3	68	60	9.0	7.5	5.0	1.1	68	60	9.0	7.5	5.0	1.1	0.3	1.7	2.9	1.4	0.6	1	1.4	0.6	1	1.4	0.6	1	
13	19.0	21.3	18.4	19.0	22.0	17.0	15.8	12.3	14.4	11.1	12.6	79	76	7.0	7.3	1.3	1.3	79	76	7.0	7.3	1.3	1.3	2.0	2.7	2.7	0.4	1	0.4	1	0.4	1	0.4	1	0.4	1
14	17.1	19.4	17.4	17.8	21.4	16.5	16.0	12.7	13.5	13.3	13.2	86	80	9.0	8.5	5.3	0.9	86	80	9.0	8.5	5.3	0.9	1.7	4.3	4.3	0.4	0.0	0	0.4	0.0	0	0.4	0.0	0	
15	16.8	17.4	16.1	16.6	18.0	16.0	15.5	14.1	14.2	13.0	13.8	98	96	9.5	9.6	10.0	1.8	98	96	9.5	9.6	10.0	1.8	1.7	4.3	4.3	0.4	0.0	0	0.4	0.0	0	0.4	0.0	0	
16	17.0	22.8	19.6	19.8	24.0	19.2	14.5	12.5	12.5	9.5	11.5	86	65	7.0	3.7	3.0	1.8	86	65	7.0	3.7	3.0	1.8	0.3	0.3	12.9	1.4	0.0	0	1.6	0.0	0	1.6	0.0	0	
17	18.6	23.0	20.9	20.8	25.6	17.6	16.8	12.9	14.0	11.9	12.9	80	75	8.5	8.3	4.3	2.8	80	75	8.5	8.3	4.3	2.8	12.6	12.6	12.6	1.4	0.0	0	1.6	0.0	0	1.6	0.0	0	
18	17.4	21.8	18.4	19.0	22.5	17.0	16.0	13.3	14.7	13.5	13.8	90	75	8.5	8.3	4.3	2.8	90	75	8.5	8.3	4.3	2.8	0.3	0.3	12.9	1.4	0.0	0	1.6	0.0	0	1.6	0.0	0	
19	17.6	19.8	17.8	18.2	20.5	16.9	15.5	13.5	15.6	14.4	14.5	90	94	9.1	6.7	0.1	0.1	90	94	9.1	6.7	0.1	0.1	0.3	0.3	12.9	1.4	0.0	0	1.6	0.0	0	1.6	0.0	0	
20	17.0	22.4	18.6	19.2	23.0	15.5	14.0	12.5	13.6	12.9	13.0	86	80	7.1	3.0	5.5	4.5	86	80	7.1	3.0	5.5	4.5	0.3	0.3	12.9	1.4	0.0	0	1.6	0.0	0	1.6	0.0	0	
21	16.3	22.2	17.8	18.5	23.0	15.7	14.5	12.4	14.1	12.2	12.1	95	63	7.5	7.8	5.3	2.3	95	63	7.5	7.8	5.3	2.3	0.3	0.3	12.9	1.4	0.0	0	1.6	0.0	0	1.6	0.0	0	
22	17.0	21.6	18.6	19.0	22.4	16.5	16.0	13.8	12.2	12.1	12.7	95	63	7.5	7.8	5.3	2.3	95	63	7.5	7.8	5.3	2.3	0.3	0.3	12.9	1.4	0.0	0	1.6	0.0	0	1.6	0.0	0	
23	17.8	24.0	18.4	19.1	24.7	17.0	16.5	13.7	11.2	12.1	12.3	90	50	7.6	7.2	3.7	6.4	90	50	7.6	7.2	3.7	6.4	0.7	0.7	12.9	1.4	0.0	0	1.6	0.0	0	1.6	0.0	0	
24	17.2	22.4	18.8	19.3	23.5	16.0	15.5	13.2	12.8	12.0	12.7	90	63	7.4	7.6	2.7	2.8	90	63	7.4	7.6	2.7	2.8	0.3	0.3	12.9	1.4	0.0	0	1.6	0.0	0	1.6	0.0	0	
25	17.6	22.8	18.3	19.2	23.0	17.0	16.5	14.8	14.7	17.6	14.0	98	70	8.0	8.3	8.0	2.5	98	70	8.0	8.3	8.0	2.5	0.3	0.3	12.9	1.4	0.0	0	1.6	0.0	0	1.6	0.0	0	
26	16.0	22.0	19.0	19.0	23.0	15.0	13.5	12.3	13.8	12.3	12.8	90	70	7.5	7.8	4.7	4.2	90	70	7.5	7.8	4.7	4.2	0.3	0.3	12.9	1.4	0.0	0	1.6	0.0	0	1.6	0.0	0	
27	17.3	20.6	20.0	19.5	23.0	16.5	15.5	13.2	15.2	13.4	13.9	90	84	7.6	8.3	6.7	2.2	90	84	7.6	8.3	6.7	2.2	0.1	0.1	12.0	1.6	0.2	1	0.0	0	0.2	1	0.0	0	
28	17.4	25.0	20.0	20.6	25.5	16.0	15.0	13.0	9.6	12.2	11.6	88	40	7.0	6.6	3.7	5.2	88	40	7.0	6.6	3.7	5.2	11.9	11.9	11.9	1.6	0.0	0	1.6	0.0	0	1.6	0.0	0	
29	17.4	24.8	19.6	20.4	25.5	15.5	14.5	12.0	8.9	10.4	10.4	81	36	6.0	5.9	2.3	3.6	81	36	6.0	5.9	2.3	3.6	0.3	0.3	12.9	1.4	0.0	0	1.6	0.0	0	1.6	0.0	0	
30	17.6	22.4	19.6	19.8	23.3	15.5	14.5	12.4	10.3	10.5	11.1	82	50	6.1	6.4	2.3	0.7	82	50	6.1	6.4	2.3	0.7	0.3	0.3	12.9	1.4	0.0	0	1.6	0.0	0	1.6	0.0	0	
31	16.4	25.4	23.4	21.2	27.9	16.0	14.9	10.5	6.8	9.4	8.9	75	28	5.0	5.1	2.0	6.2	75	28	5.0	5.1	2.0	6.2	0.3	0.3	12.9	1.4	0.0	0	1.6	0.0	0	1.6	0.0	0	
Med.	17.8	23.4	19.5	20.0	24.4	16.5	15.5	12.3	11.2	11.5	11.7	81	54	6.9	6.8	4.9	4.0	81	54	6.9	6.8	4.9	4.0	1.7	0.4	0.1	2.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6

Precipitación total : 72.2 m.m.

DATOS DIARIOS

Estación oigenti.

Mes Febrero Año 19 69

☉ 22° 21' N ☽ 15° 31' WGR

Altura 1.500 m.

Días	TEMPERATURAS				TENSION DEL VAPOR				Humedad Relativa				NEBULOSIDAD Horas	PRECIPITACION			VIENTOS												
	°C				mm				%					mm	mm			Km/Hora											
	7	14	20	Med.	Mín.	Máx.	Mín.	Máx.	7	14	20	Med.			7	14	20	DIRECCION	FUERZA	DIRECCION	FUERZA								
1	18.8	23.0	19.9	20.4	25.9	17.9	16.8	14.6	12.2	12.2	13.0	90	58	71	71	3.7	3.4	7.0	1.8	04	1	12	1	06	1				
2	17.9	22.8	20.0	20.2	22.9	17.6	16.0	12.3	9.4	11.4	11.0	80	45	65	63	6.0	1.0	—	—	—	—	—	—	—	—	—			
3	17.8	23.8	18.8	19.8	24.0	17.6	16.5	12.1	8.9	13.1	11.4	80	40	80	67	5.3	0.4	0.4	—	—	—	—	—	—	—	—	—		
4	18.6	22.4	19.6	20.1	24.0	17.5	16.5	12.1	11.1	11.6	11.6	75	55	65	65	4.7	2.1	—	—	—	—	—	—	—	—	—	—		
5	18.0	25.4	19.8	20.7	26.3	17.6	16.6	10.2	6.3	8.9	8.4	66	25	51	47	3.7	1.9	—	—	—	—	—	—	—	—	—	—		
6	18.2	22.2	19.0	19.6	23.5	17.0	16.0	13.6	13.4	12.9	13.3	86	66	78	77	3.7	3.1	—	—	—	—	—	—	—	—	—	—		
7	17.8	22.9	19.4	20.1	26.0	16.0	14.9	10.6	9.9	14.1	11.5	70	45	65	67	4.0	6.3	—	—	—	—	—	—	—	—	—	—		
8	18.0	19.1	18.6	18.6	22.0	16.0	15.5	13.8	14.8	15.3	14.6	90	90	95	92	6.3	2.0	—	—	—	—	—	—	—	—	—	—		
9	18.0	23.0	18.6	19.5	24.0	17.0	16.0	14.7	15.1	12.9	14.2	95	71	80	82	6.3	0.9	—	—	—	—	—	—	—	—	—	—	—	
10	17.8	22.0	18.0	19.0	22.3	16.5	14.0	13.0	17.0	13.6	14.5	85	86	88	86	4.3	3.3	—	—	—	—	—	—	—	—	—	—	—	
11	18.0	22.0	18.6	19.3	23.0	16.3	14.9	14.6	15.8	13.5	14.6	94	80	85	86	5.3	0.5	—	—	—	—	—	—	—	—	—	—	—	
12	18.0	22.2	19.9	20.0	24.3	17.0	14.9	14.7	15.2	14.2	14.7	95	76	82	84	5.7	3.8	—	—	—	—	—	—	—	—	—	—	—	
13	18.6	24.2	19.4	20.4	25.3	16.5	15.0	14.4	9.6	10.2	11.4	90	43	60	64	5.0	4.7	—	—	—	—	—	—	—	—	—	—	—	
14	18.0	25.2	21.3	21.4	25.9	17.0	16.0	13.1	10.5	11.3	11.6	95	44	60	63	6.3	9.0	—	—	—	—	—	—	—	—	—	—	—	
15	18.4	24.1	20.6	20.9	24.9	17.0	15.8	12.8	14.1	14.4	13.8	80	62	79	74	7.0	5.2	—	—	—	—	—	—	—	—	—	—	—	
16	17.9	22.9	19.9	20.2	24.7	17.6	16.5	13.2	16.7	13.2	14.4	86	80	76	81	9.0	2.6	15.2	16.5	—	—	—	—	—	—	—	—	—	
17	19.8	23.6	20.6	21.2	24.5	17.9	17.0	19.6	12.2	12.7	13.5	90	56	70	72	7.7	6.8	0.2	—	—	—	—	—	—	—	—	—	—	
18	18.0	21.6	19.0	19.4	22.8	17.0	16.5	13.8	14.4	11.5	13.2	80	74	70	78	6.7	1.3	3.6	—	—	—	—	—	—	—	—	—	—	
19	17.2	22.0	19.6	19.6	23.0	16.0	15.4	12.6	13.8	12.1	12.8	88	70	71	76	6.3	3.5	—	—	—	—	—	—	—	—	—	—	—	
20	17.8	20.0	18.8	18.8	24.6	17.5	16.0	12.3	11.4	7.4	10.4	80	65	45	63	5.0	0.1	0.1	—	—	—	—	—	—	—	—	—	—	
21	19.6	26.0	19.8	21.3	27.0	15.5	13.9	9.5	5.1	6.7	7.8	55	20	50	42	1.7	4.9	—	—	—	—	—	—	—	—	—	—	—	
22	18.6	26.0	20.4	21.4	27.1	16.5	15.4	11.2	6.3	10.9	9.5	70	25	60	52	2.3	7.1	—	—	—	—	—	—	—	—	—	—	—	
23	20.0	24.9	21.2	21.8	26.9	17.7	17.0	13.7	9.4	9.5	10.9	78	40	51	56	5.0	4.4	—	—	—	—	—	—	—	—	—	—	—	
24	17.4	21.0	17.2	18.2	24.0	16.5	15.5	13.3	15.1	14.1	14.2	90	61	96	89	5.3	2.0	—	—	—	—	—	—	—	—	—	—	—	
25	17.2	24.0	18.6	19.6	25.8	15.0	13.5	13.0	7.9	10.8	10.6	89	35	67	64	3.7	7.1	—	—	—	—	—	—	—	—	—	—	—	
26	18.0	21.0	18.6	19.2	25.0	17.1	17.0	11.8	13.5	13.1	13.5	90	73	80	81	3.1	3.8	1.2	1.7	1.9	3.9	1.4	08	1	02	1	06	1	
27	18.0	23.0	18.2	19.4	24.0	17.5	16.0	13.8	9.5	11.9	11.7	90	45	76	70	3.0	1.0	0.3	0.2	1.4	1.6	1.6	00	0	00	0	00	0	
28	18.4	24.6	16.8	19.2	25.6	17.0	15.0	11.1	7.7	13.0	10.6	70	34	75	60	2.1	4.3	—	—	—	—	—	—	—	—	—	—	—	
29																													
30																													
31																													
Med.	18.2	23.1	19.3	20.0	24.5	16.9	15.7	13.0	11.6	12.1	12.2	83	56	72	70	5.0	3.4	0.8	1.4	0.5	2.6	1.7	—	—	—	—	—	—	

Precipitación total : 71.6 m.m.

DATOS DIARIOS

Estación Oigantsi. Mes MARZO Año 1969 φ = 28 21' N λ = 75° 31' W GR Altura 1.500 M.

Días	TEMPERATURAS						TENSIÓN DEL VAPOR						Humedad Relativa			NUBESDAS			Brillo Solar			PRECIPITACION			EVAPORACION			VIENTOS								
	7		14		20		7		14		20		7		14		20		7		14		20		7		14		20		7		14		20	
	Med.	Máx.	Min.	Med.	Máx.	Min.	Med.	Máx.	Min.	Med.	Máx.	Min.	Med.	Máx.	Min.	Med.	Máx.	Min.	Med.	Máx.	Min.	Med.	Máx.	Min.	Med.	Máx.	Min.	Med.	Máx.	Min.	Med.	Máx.	Min.			
1	17.8	25.0	20.5	21.0	26.5	16.5	14.5	10.6	6.1	8.3	26	45	47	2.3	5.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
2	19.0	24.0	20.0	20.8	24.5	17.5	14.5	12.3	12.4	12.2	12.3	15	56	70	67	2.1	1.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
3	18.8	24.2	19.0	20.2	25.5	17.0	13.7	12.1	13.2	13.2	57	56	80	74	2.7	1.6	1.4	1.0	4.4	5.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
4	18.8	25.6	19.9	21.0	26.0	17.0	15.5	13.1	9.4	12.0	11.5	38	70	63	2.1	4.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
5	18.2	20.4	18.8	19.0	21.5	17.5	14.0	14.0	14.8	12.3	13.7	90	81	75	6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
6	19.0	25.6	20.6	21.4	27.0	16.0	14.5	13.9	7.5	8.3	9.9	85	30	46	4.0	1.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
7	19.0	25.6	20.6	21.6	26.0	16.5	14.0	9.9	8.8	9.2	9.3	60	36	50	4.9	3.3	4.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
8	19.2	25.6	20.2	21.3	27.0	17.5	15.0	11.7	7.5	9.9	9.7	70	36	56	5.2	3.7	4.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
9	18.8	21.2	20.4	20.2	23.9	17.5	17.0	14.0	13.2	13.5	13.6	86	70	75	7.7	8.0	0.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
10	17.2	24.2	21.4	21.0	26.0	17.0	16.5	13.2	7.7	9.8	10.2	90	34	52	5.9	3.3	3.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
11	19.8	22.6	19.1	20.0	24.7	18.0	17.5	13.3	9.7	11.5	11.5	81	47	70	6.6	3.0	3.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
12	18.6	26.6	21.2	21.9	27.5	17.5	16.0	13.5	6.3	10.3	10.0	85	24	55	5.5	3.3	5.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
13	18.8	23.0	18.6	19.6	24.5	16.0	15.0	13.6	9.0	12.5	11.7	86	43	78	6.9	4.3	3.5	2.9	0.6	0.3	0.9	1.8	0.0	0.4	1.0	0.6	1.0	0.6	1.0	0.6	1.0	0.6	1.0			
14	17.6	23.6	19.6	20.1	24.3	16.5	15.0	12.1	13.1	10.4	11.9	80	60	60	6.7	4.7	5.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
15	18.0	23.0	20.6	20.6	25.7	16.5	15.6	12.5	6.3	10.0	0.6	81	30	55	5.5	4.7	5.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
16	18.0	25.2	20.3	21.0	26.5	17.0	16.0	14.0	9.6	12.4	12.0	91	40	70	6.7	5.3	6.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
17	18.0	27.8	20.8	21.8	28.5	16.9	16.0	11.6	7.0	10.4	9.7	75	25	56	5.2	5.3	8.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
18	18.6	26.6	21.0	21.8	27.0	17.0	15.5	11.2	6.0	10.5	9.4	70	25	56	5.0	5.0	8.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
19	19.0	25.4	20.8	21.5	26.0	16.6	15.5	9.9	6.3	7.3	7.8	60	26	40	4.2	5.3	0.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
20	18.2	25.2	21.0	21.6	26.2	17.0	15.0	13.0	9.4	11.3	11.2	81	38	60	6.0	3.3	3.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
21	19.0	27.4	20.0	21.6	28.0	18.0	17.0	13.3	7.1	24.7	11.2	81	26	84	6.4	3.7	3.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
22	17.8	23.8	20.4	20.6	25.0	16.5	14.5	12.3	8.9	10.3	10.4	81	40	56	5.9	4.7	1.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
23	18.8	22.4	19.4	20.0	24.0	16.5	15.0	13.1	11.4	10.9	11.8	80	56	65	6.7	2.7	2.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
24	18.6	25.6	19.4	20.8	26.4	17.0	15.5	12.3	9.8	11.8	11.3	75	40	70	6.2	2.3	2.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
25	19.0	22.8	19.0	20.0	26.0	16.5	14.5	11.6	8.3	13.2	11.0	71	40	60	6.4	4.3	5.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
26	19.0	26.2	19.2	20.9	27.8	18.0	17.0	13.2	6.4	12.6	10.8	80	26	76	6.1	4.0	2.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
27	18.6	25.0	19.8	20.8	26.5	16.0	14.5	13.7	9.6	14.4	12.6	86	40	83	6.9	3.3	4.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
28	18.6	20.0	19.4	19.4	23.0	18.0	17.5	14.0	15.0	12.1	13.7	87	86	72	8.2	5.7	2.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
29	18.6	26.0	20.3	21.3	26.6	17.0	15.5	12.3	7.7	12.4	10.7	75	30	70	5.8	3.3	1.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
30	17.6	22.0	19.0	19.4	25.0	16.0	16.0	13.3	13.3	10.8	12.5	90	68	66	7.5	2.7	3.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
31	18.0	25.0	19.8	20.6	26.0	16.0	14.0	12.3	10.6	13.9	12.3	79	45	80	6.8	3.0	5.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Med	18.5	24.4	20.0	20.7	25.8	17.0	15.7	12.7	9.4	11.3	11.1	78	44	65	6.2	3.9	3.6	0.5	0.6	0.4	1.8	2.2	—	—	—	—	—	—	—	—	—	—	—	—		

Precipitación total : 96.4 m.m.

DATOS DIARIOS

Estación gigante

Mes MAYO

Año 1969

$\phi = 2^{\circ} 21' N$

$\lambda = 79^{\circ} 31' WGR$

Altura 1,500 M.

Días	TEMPERATURAS						TENSION DEL VAPOR						Humedad Relativa			DURACION DE LOS RAYOS SOLARES		PRECIPITACION			VIENTOS					
	7		14		20		7		14		20		Med.		7		14		20		7		14		20	
	Med.	Máx.	Min.	Mínima Sueto	Med.	Máx.	Min.	Mínima Sueto	Med.	Máx.	Min.	Med.	Máx.	Min.	Med.	Horas	7	14	20	Total	DIREC.	FUERZA	DIREC.	FUERZA	DIREC.	FUERZA
1	17.1	23.8	19.8	20.1	24.4	15.9	15.0	13.8	15.8	13.9	14.5	95	71	80	82	5.7	1.3	4.4	—	—	—	—	—	—	—	—
2	16.8	21.4	19.0	19.0	22.5	16.0	15.5	12.9	14.9	13.2	13.7	90	78	80	83	5.7	—	6.8	1.5	—	—	—	—	—	—	—
3	18.0	21.4	19.0	19.4	24.0	17.0	16.4	13.8	15.3	14.1	14.4	90	80	86	81	6.0	3.1	—	0.2	6.9	11.3	1.0	0.0	1.1	1.0	0.0
4	16.8	22.2	19.0	19.2	23.5	16.5	16.0	12.5	14.1	11.5	12.7	88	70	76	74	7.7	2.8	4.2	0.3	—	—	—	—	—	—	—
5	18.4	21.2	19.2	19.5	23.0	17.0	16.6	12.0	13.2	11.9	12.4	75	70	72	72	4.1	0.7	—	—	—	—	—	—	—	—	—
6	19.0	23.8	19.0	20.2	25.0	16.5	14.5	11.5	9.0	13.2	11.2	70	41	80	64	4.3	4.0	—	—	6.7	1.8	8.5	0.8	1.0	1.0	0.0
7	18.2	20.2	19.4	19.3	21.0	18.0	17.0	14.0	16.3	13.5	14.6	90	92	80	87	9.7	—	—	—	—	—	—	—	—	—	—
8	18.6	20.2	19.4	19.4	22.5	17.0	16.0	13.4	13.6	14.1	13.7	83	76	84	81	5.3	0.2	—	—	—	—	—	—	—	—	—
9	19.4	21.8	20.6	20.6	23.7	18.0	17.5	10.9	13.6	8.3	10.9	85	79	46	60	5.0	2.0	—	—	—	—	—	—	—	—	—
10	18.6	26.2	19.6	21.0	27.0	17.6	16.8	9.7	7.7	9.3	8.9	60	30	54	48	3.1	5.5	—	—	—	—	—	—	—	—	—
11	19.0	22.4	19.6	20.2	25.0	16.5	15.0	12.2	12.2	10.9	12.8	74	74	63	70	4.7	5.9	—	—	—	—	—	—	—	—	—
12	19.4	27.2	20.0	21.6	28.0	17.0	15.9	11.8	8.2	13.1	11.0	70	30	75	58	4.7	7.7	—	—	—	—	—	—	—	—	—
13	16.4	21.8	20.0	19.6	24.0	16.0	15.0	13.2	13.6	12.2	13.6	94	70	70	78	7.3	1.8	12.5	4.7	—	—	—	—	—	—	—
14	18.0	19.8	18.4	18.6	23.5	17.0	16.0	12.5	15.6	12.8	13.6	81	90	80	84	5.0	1.9	3.9	11.6	—	—	—	—	—	—	—
15	18.8	23.8	20.4	20.8	24.5	17.0	16.5	11.3	11.1	9.7	10.7	70	50	54	58	4.1	0.6	—	—	—	—	—	—	—	—	—
16	19.0	25.2	19.8	21.0	25.5	17.0	16.0	11.6	11.6	13.9	12.4	71	48	80	66	4.1	5.3	—	—	—	—	—	—	—	—	—
17	19.0	25.2	20.0	21.0	26.0	16.5	15.0	12.5	12.1	11.5	12.0	76	50	66	64	3.3	3.7	1.2	0.2	—	—	—	—	—	—	—
18	19.6	25.6	19.8	21.2	26.0	16.5	15.0	14.5	8.6	13.2	12.1	85	35	74	65	4.0	2.5	3.0	—	—	—	—	—	—	—	—
19	20.0	22.6	20.0	20.6	26.0	18.0	16.5	14.6	8.1	11.5	11.5	82	40	66	63	5.0	7.1	—	—	—	—	—	—	—	—	—
20	19.6	24.0	19.0	20.2	23.5	17.0	15.5	12.5	11.2	11.1	11.6	78	50	68	65	2.3	3.6	—	—	—	—	—	—	—	—	—
21	20.0	25.6	20.0	21.4	26.0	16.5	15.0	10.6	8.4	12.2	10.4	60	34	70	55	3.3	4.4	—	—	—	—	—	—	—	—	—
22	19.1	24.8	20.0	21.0	26.0	16.5	15.5	12.6	10.5	13.0	12.0	76	45	74	65	3.0	5.4	—	—	—	—	—	—	—	—	—
23	18.4	21.4	19.4	19.6	26.0	17.0	16.5	14.6	15.5	14.4	14.3	93	81	86	87	6.3	1.2	6.2	0.5	—	—	—	—	—	—	—
24	18.0	24.8	20.0	20.7	26.0	16.3	15.5	12.4	9.4	12.2	11.1	80	40	70	63	3.7	7.4	0.4	—	—	—	—	—	—	—	—
25	20.0	25.8	20.4	21.6	26.5	16.5	15.0	12.2	9.0	11.2	10.8	70	36	62	56	1.7	8.1	0.2	—	—	—	—	—	—	—	—
26	20.6	24.6	20.4	21.5	25.5	16.0	14.5	10.9	10.6	13.5	11.7	60	46	75	60	3.0	3.9	—	—	—	—	—	—	—	—	—
27	17.8	23.8	19.0	19.9	24.0	16.0	15.5	12.3	11.1	12.9	12.1	80	50	78	69	3.3	5.3	0.3	1.0	—	—	—	—	—	—	—
28	18.8	25.0	20.2	21.0	25.5	18.0	16.5	13.1	9.6	10.7	11.1	80	40	60	60	3.3	5.0	—	—	—	—	—	—	—	—	—
29	17.8	25.4	21.0	21.3	26.5	16.0	15.5	12.1	9.2	11.3	10.5	80	38	60	59	3.3	6.2	25.1	—	—	—	—	—	—	—	—
30	19.2	25.0	19.0	20.6	26.0	17.5	16.0	11.7	8.4	13.9	11.3	70	35	85	63	4.3	6.0	—	—	—	—	—	—	—	—	—
31	18.0	21.8	17.8	18.8	22.5	16.5	16.0	13.1	13.9	13.0	13.3	85	71	85	80	3.7	0.5	2.7	—	—	—	—	—	—	—	—
Med	18.6	23.5	19.6	20.3	24.8	16.8	15.8	12.5	11.8	12.3	12.2	78	56	72	68	4.4	3.6	2.3	1.0	0.7	3.8	1.7	—	—	—	—

Precipitación total : 118.7 m.m.

DATOS DIARIOS

Estación Oicant.

Mes

Año 1969

φ 20° 21' N

λ 75° 31' WGR

Altura 1.300 m.

Días	TEMPERATURAS °C						TENSION DEL VAPOUR mm						Humedad Relativa %				BRILLO SOLAR Horas		PRECIPITACION mm			EVAPORACION mm			VIENTOS						
	7		14		20		7		14		20		7		14		20		7		14		20		7		14		20		
	Med.	Máx.	Mín.	Med.	Máx.	Mín.	Subo	Med.	Máx.	Mín.	Med.	Máx.	Mín.	Med.	Máx.	Mín.	Med.	Máx.	Mín.	Med.	Máx.	Mín.	Med.	Máx.	Mín.	Med.	Máx.	Mín.	Med.	Máx.	Mín.
1	17.0	20.4	16.2	17.4	21.5	16.0	14.5	13.2	12.6	12.4	12.7	91	70	90	84	5.7	0.5	—	9.4	9.8	1.0	0.0	0.6	1	0.6	1	0.0	0	0	0	
2	15.8	22.0	16.0	17.4	22.5	14.5	14.0	12.9	10.6	12.3	11.9	96	54	90	80	6.7	0.6	0.4	0.2	8.8	9.0	0.6	0.0	0.14	1	0.0	0	0	0	0	
3	17.0	18.8	16.0	17.0	20.0	15.0	14.5	12.5	14.0	12.3	12.9	86	86	80	87	5.3	0.2	—	1.6	8.1	9.7	0.8	0.0	0.08	1	0.6	1	0.6	2	0	
4	16.0	20.4	17.4	17.8	21.0	15.0	13.5	12.4	11.0	12.2	13.9	91	61	82	78	4.0	3.6	—	0.9	—	0.9	1.2	0.6	1	0.0	0	0.0	0	0	0	
5	18.2	23.9	19.4	19.7	24.0	15.5	14.0	12.2	10.3	10.9	11.1	78	53	65	65	5.5	5.2	—	0.4	—	6.2	1.2	0.6	1	0.0	0	0.0	0	0	0	
6	16.0	20.8	18.8	18.6	21.5	15.5	14.0	12.7	10.0	10.6	11.1	93	54	65	71	5.0	3.6	10.0	—	—	6.2	1.2	0.6	1	0.0	0	0.0	0	0.2	1	
7	17.0	22.0	18.3	18.9	23.0	15.0	14.5	11.6	8.6	10.2	10.6	86	43	66	63	5.7	2.7	6.8	—	—	—	0.1	3.0	0.6	1	1.6	1	0.0	0	0	
8	17.0	22.4	18.0	18.8	24.5	15.5	15.0	12.3	8.1	11.5	10.6	85	40	74	66	4.7	4.3	2.9	—	—	—	—	1.8	0.0	0	0.0	0	0.6	1	0	
9	18.0	23.2	19.4	20.0	25.5	15.0	13.0	12.1	7.4	9.7	9.8	77	35	58	57	4.3	8.0	—	—	—	—	—	1.8	0.0	0	0.0	0	0.0	0	0	
10	17.0	20.4	16.2	17.4	21.5	15.0	13.5	12.5	12.1	12.4	12.3	86	68	90	81	10.0	—	—	—	—	—	—	2.5	1.6	0.0	0	0.0	0	0.0	0	0
11	16.2	22.0	16.6	17.8	23.0	14.5	12.5	11.9	8.0	11.1	10.3	86	40	78	68	3.0	2.4	—	—	—	—	—	—	2.0	1.6	1	0.4	2	0.6	1	
12	17.2	24.8	17.6	19.3	26.3	14.5	12.5	10.3	5.9	10.6	8.9	70	25	70	55	3.0	9.0	—	—	—	—	—	—	—	2.8	0.0	0	0.6	1	0.6	2
13	17.0	22.8	17.0	18.4	24.0	13.5	11.5	10.2	7.4	10.6	9.4	70	35	72	59	3.0	7.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	15.4	23.0	17.2	18.2	24.5	14.5	13.0	10.8	7.7	8.8	9.1	82	36	60	59	3.3	4.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	17.2	19.6	17.6	18.0	22.0	15.0	13.0	11.5	13.7	9.7	11.6	78	80	65	74	5.3	3.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	17.2	19.0	17.4	17.8	21.5	15.5	14.0	12.3	13.2	12.6	12.7	84	80	85	83	5.0	3.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	16.6	21.6	17.8	18.5	24.0	15.5	14.5	12.6	11.8	13.5	12.0	89	61	75	75	4.7	3.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	17.0	21.6	17.6	18.4	22.0	15.5	15.0	13.2	13.4	11.3	12.6	91	70	75	79	3.3	4.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	16.2	21.2	17.8	18.2	23.5	15.5	14.5	12.3	9.4	10.8	10.8	88	50	71	70	3.7	3.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	17.2	24.2	19.4	20.0	25.5	15.5	14.5	11.6	5.7	12.2	10.0	79	25	76	60	3.3	4.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	17.0	20.4	17.6	18.2	22.5	17.0	14.0	10.6	11.7	12.5	11.6	72	66	82	73	3.7	2.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	16.6	19.8	18.0	18.1	22.5	15.0	14.5	12.6	13.9	12.2	12.9	89	80	78	82	4.3	3.9	0.8	3.0	—	—	—	—	—	—	—	—	—	—	—	—
23	16.2	21.2	17.0	17.8	22.5	14.0	12.0	11.5	8.7	10.2	10.1	84	46	70	67	3.0	3.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	16.8	21.0	18.2	19.0	24.0	14.0	12.0	10.9	7.4	11.0	9.8	76	35	70	60	4.0	4.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	17.8	18.4	17.0	18.0	20.5	16.0	14.5	12.3	13.7	12.8	12.8	80	86	90	85	4.0	0.1	0.2	2.5	0.4	2.9	1.6	0.6	1	0.2	1	0.6	1	0.6	1	
26	16.6	19.8	17.4	17.8	20.5	15.5	14.0	11.2	15.6	13.0	13.3	82	90	88	87	3.7	1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	16.8	19.6	16.4	17.3	23.0	15.0	13.5	11.8	13.5	15.4	11.8	93	90	85	89	3.3	2.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	16.8	24.0	17.4	18.9	25.0	15.5	14.5	11.8	5.7	8.9	8.8	82	25	60	56	3.0	0.2	0.1	—	—	—	—	—	—	—	—	—	—	—	—	—
29	17.6	23.2	18.2	19.3	24.0	16.0	15.0	12.4	9.4	11.0	10.9	83	44	70	66	2.3	5.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	17.4	23.0	17.6	18.9	24.5	16.0	15.5	10.6	9.0	9.0	9.5	70	43	60	58	2.3	5.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	18.8	23.2	20.4	20.7	24.5	15.5	14.5	11.2	7.8	10.1	9.7	68	36	56	53	3.7	0.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Med	16.9	21.5	17.6	18.4	23.1	15.2	13.8	11.9	10.3	11.2	11.1	82	55	74	71	4.2	3.5	0.7	0.5	0.9	2.1	1.7	—	—	—	—	—	—	—	—	—

Precipitación total : 65.2 mm.

DATOS DIARIOS

Estación Oigantso Mes Agosto Año 1969 ϕ 28° 21' N λ 75° 31' WGR Altura 1.500 M.

Días	TEMPERATURAS °C						TENSIÓN DEL VAPOR m.m.			Humedad Relativa %			SUBSIDIOS DECIMOS		Brillo Solar Horas		PRECIPITACION m.m.			EVAPORACION m.m.			VIENTOS														
	7	14	20	Med.	Máx.	Mín.	Mínima Saño	7	14	20	Med.	7	14	20	Med.	7	14	20	Total	7	14	20	7	14	20	DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora						
																																DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora	DIRECCION	FUERZA Km./Hora
1	18.8	22.4	20.6	25.5	16.0	14.5	13.7	12.8	12.7	13.1	85	63	70	73	5.3	3.8	—	20.3	—	20.9	1.6	14	1	00	0	06	1										
2	18.2	23.4	18.0	19.4	25.0	17.5	16.5	14.2	8.7	14.1	12.3	91	40	92	74	5.7	1.6	0.6	0.1	3.3	3.4	1.8	06	1	00	0	06	1									
3	17.0	20.0	16.2	17.4	21.0	15.0	14.5	13.1	12.8	12.6	12.8	90	73	91	85	7.0	0.5	—	0.2	0.4	0.6	2	06	2	06	1	—	—	—	—	—						
4	16.3	22.8	18.0	18.8	24.0	15.4	14.0	12.2	6.3	10.8	9.8	88	30	70	63	5.3	4.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—						
5	17.6	24.8	19.6	20.4	25.5	16.0	15.0	12.1	7.0	9.6	9.6	80	30	56	55	2.3	8.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
6	18.0	18.8	17.6	18.0	24.0	15.5	13.0	10.1	12.1	9.0	10.5	66	75	60	67	4.7	4.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
7	16.2	19.6	16.8	17.4	21.5	15.0	14.0	11.9	13.0	12.1	12.3	86	76	85	82	6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
8	17.2	19.2	17.4	17.8	20.0	15.0	14.5	12.2	13.1	12.9	12.7	83	78	87	81	5.0	0.2	2.7	0.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
9	15.8	20.9	16.8	17.6	22.0	15.0	14.0	12.7	13.1	12.2	12.6	94	71	85	81	5.0	1.9	3.7	0.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
10	17.0	22.4	16.1	17.9	23.0	15.0	14.0	11.6	11.4	11.6	11.5	80	56	65	74	4.0	3.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
11	17.8	22.0	18.0	19.0	23.5	15.4	14.6	11.5	8.0	9.0	9.5	75	40	58	58	3.3	5.1	0.2	0.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
12	17.6	23.4	18.8	19.6	25.0	16.5	15.5	12.4	6.5	9.9	9.6	82	30	60	57	3.3	3.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
13	17.2	26.0	19.6	20.8	27.0	16.5	15.0	11.5	5.6	8.6	8.6	75	22	50	49	3.3	5.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
14	17.8	26.0	19.6	20.8	27.0	16.5	15.0	11.5	5.6	8.6	8.6	75	22	50	49	3.3	5.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
15	18.8	23.2	18.4	19.7	24.5	16.5	15.0	13.1	8.5	12.4	11.1	80	50	78	69	4.7	3.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
16	18.2	23.2	17.6	19.2	24.0	16.5	15.0	13.3	9.6	14.0	12.3	85	45	93	74	5.3	4.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
17	17.4	20.0	17.4	18.0	23.0	16.0	14.5	11.9	11.5	9.8	11.1	80	66	66	71	3.3	6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
18	17.6	23.0	18.2	19.2	23.5	15.5	13.5	11.9	8.5	11.0	10.5	77	40	70	62	2.3	4.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
19	18.2	24.0	20.6	25.0	16.0	14.5	11.7	5.9	9.9	9.2	9.2	74	25	56	52	3.0	5.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
20	18.0	24.6	19.0	20.2	25.0	16.0	13.9	10.8	8.2	11.5	10.2	70	35	70	58	3.3	4.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
21	18.2	19.6	17.6	18.2	22.0	16.0	14.5	11.9	12.3	12.1	12.1	76	72	80	76	3.0	0.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
22	18.2	25.2	19.8	20.8	26.0	16.5	15.0	12.6	6.0	10.0	9.5	80	25	58	54	3.3	7.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
23	18.0	19.0	18.0	17.2	24.0	16.0	14.5	12.2	14.1	13.4	13.2	78	86	86	83	4.3	3.6	0.8	0.8	5.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
24	17.4	21.0	19.0	21.0	23.0	16.5	14.5	14.2	14.9	11.5	13.5	96	80	70	82	4.7	2.9	3.5	1.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
25	16.6	22.8	18.0	18.8	24.0	15.5	14.2	12.6	12.4	12.4	12.5	89	45	80	71	4.3	4.0	13.8	0.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
26	17.8	23.6	18.4	19.6	24.0	16.0	14.0	11.5	9.5	10.3	10.1	75	38	65	59	2.0	2.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
27	18.0	20.6	18.6	19.0	22.5	16.5	15.0	10.8	13.1	12.9	12.3	70	72	80	74	4.0	3.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
28	17.6	23.0	17.4	18.8	24.5	15.0	14.0	11.7	9.1	10.6	10.5	78	44	71	64	3.3	3.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	17.8	23.6	18.8	19.8	25.5	15.0	13.5	11.5	8.7	10.7	10.3	75	40	66	60	3.3	7.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	17.0	20.6	17.6	18.2	22.0	16.0	14.5	13.5	11.7	10.6	11.9	82	64	70	75	4.7	2.7	1.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
31	17.8	20.0	17.2	18.0	22.4	16.0	15.0	11.7	13.1	12.7	12.5	76	75	86	79	5.0	2.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Med	17.6	22.1	18.1	19.1	23.8	15.9	14.5	12.2	10.2	11.4	11.2	81	53	73	69	4.1	3.7	1.1	1.3	0.2	3.0	1.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Precipitación total 194.0 m.m.

DATOS DIARIOS

Estación Cigante

Mes Septiembre Año 1969

φ = 20° 21' N

λ = 75° 31' WGR

Altura 1.500 M.

Días	TEMPERATURA °C				TENSION DEL VAPOR m m			Humedad Relativa %				BRILLO SOLAR HORAS		PRECIPITACION m m.				EVAPORACION m m			VIENTOS																	
	7	14	20	Med.	Máx.	Min.	Mínima Scala	7	14	20	Med.	7	14	20	Med.	7	14	20	Total	7	14	20	DIREC. CION	FUERZA Km./hora	7	14	20	DIREC. CION	FUERZA Km./hora	7	14	20	DIREC. CION	FUERZA Km./hora				
																																			20	Med.	20	Med.
1	17.0	22.9	16.0	19.0	23.6	15.5	14.0	11.6	8.3	11.6	10.5	80	40	76	65	4.3	2.2	—	—	1.1	—	—	—	—	—	—	1.8	0.6	1	00	0	02	1					
2	19.0	26.2	16.8	20.7	26.0	15.5	13.5	9.9	4.2	8.1	7.6	60	19	59	63	3.0	8.4	—	—	—	—	—	—	—	3.8	0.6	1	00	1	10	1							
3	17.4	23.4	18.8	19.6	24.5	15.0	13.0	10.6	7.9	8.9	9.5	70	36	60	55	3.7	1.6	—	0.1	—	—	—	—	—	2.2	0.6	1	00	1	10	1							
4	18.4	24.6	17.2	19.4	25.0	15.5	14.0	11.8	8.2	8.2	9.4	74	35	57	55	4.0	3.2	—	—	—	—	—	—	—	1.8	0.0	0	02	1	00	0							
5	18.6	23.4	19.1	20.0	25.5	16.0	14.0	12.1	7.6	11.5	10.4	75	35	70	60	3.7	3.8	—	—	—	—	—	—	—	—	0.2	0.2	2.2	0.0	1	16	1						
6	18.2	23.0	18.2	19.4	25.0	16.0	15.0	12.8	10.6	10.2	11.2	80	50	65	65	4.0	2.8	—	—	—	—	—	—	—	—	—	2.1	—	—	—	—	—	—					
7	19.0	26.2	20.0	21.3	27.1	16.0	15.0	12.3	6.3	10.6	9.7	75	25	60	53	3.1	6.4	1.3	—	—	—	—	—	—	—	2.4	0.0	0	00	0	04	1						
8	20.0	26.6	19.0	21.2	27.5	16.0	14.0	13.1	5.3	9.9	9.4	75	20	60	52	4.0	5.1	—	—	—	—	—	—	—	—	0.1	0.9	1.0	3.2	0.8	1	02	2	06	1			
9	18.0	25.4	18.6	20.2	26.0	16.5	14.5	10.8	5.4	11.2	9.1	70	22	70	54	3.3	2.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
10	19.2	21.6	20.0	20.2	24.0	17.0	15.0	12.6	12.2	11.7	12.2	76	63	67	69	4.1	5.6	—	—	—	—	—	—	—	—	—	—	0.9	—	—	—	—	—	—	—	—		
11	19.0	23.6	18.8	20.0	25.4	16.5	15.0	13.6	7.5	13.3	11.1	83	34	75	64	3.1	4.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
12	17.6	24.2	20.6	20.8	25.0	17.0	15.5	12.4	8.0	10.9	10.4	82	35	60	59	3.7	3.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
13	18.0	26.9	20.8	21.6	28.5	16.0	15.0	13.1	4.6	10.4	9.4	85	16	56	52	3.7	9.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
14	18.0	26.0	20.4	21.2	27.5	15.5	14.0	12.3	6.3	13.1	10.2	79	25	68	57	3.0	6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
15	18.0	24.9	18.4	19.9	25.9	16.5	15.5	11.6	8.2	11.1	10.3	75	35	70	60	3.3	2.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
16	18.2	23.8	20.0	20.5	25.0	15.5	14.0	12.2	8.9	7.9	9.7	78	60	45	54	3.7	2.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
17	18.4	20.8	19.6	19.6	24.5	17.6	15.5	12.0	11.1	10.4	11.2	75	60	60	65	3.7	2.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
18	18.2	25.9	20.0	21.0	26.0	16.0	15.0	12.2	7.5	12.2	10.6	76	30	70	59	3.1	2.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
19	17.4	19.6	17.9	18.2	20.5	17.0	16.0	13.0	14.6	13.2	13.6	88	86	87	87	5.7	2.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	18.0	24.1	19.0	20.0	26.0	16.0	15.0	12.9	8.0	12.3	11.1	83	36	75	65	4.7	1.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	19.0	24.4	18.9	20.3	25.6	17.0	15.5	13.2	8.1	13.1	11.5	80	35	60	65	4.0	2.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
22	19.0	24.4	19.9	19.8	25.0	17.4	16.0	11.5	8.3	9.1	9.6	70	36	60	55	3.0	3.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	17.6	25.0	20.0	20.6	26.4	15.0	14.0	13.1	7.5	10.6	10.4	87	30	60	59	3.0	4.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
24	18.0	18.1	17.0	17.5	22.3	16.5	15.0	12.4	12.7	10.6	11.8	80	82	71	78	3.7	2.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
25	17.8	26.1	21.4	21.7	28.0	17.0	15.0	10.6	4.9	7.8	7.8	90	18	40	43	2.7	9.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
26	17.8	22.8	19.9	20.2	25.0	17.0	15.0	13.8	12.5	11.4	12.6	90	60	66	72	3.7	3.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
27	17.8	20.0	16.8	18.8	22.5	16.0	15.0	14.2	12.2	13.1	13.2	93	70	80	81	5.0	0.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
28	17.6	22.9	19.9	20.1	25.0	16.5	15.0	13.6	9.1	11.2	11.3	91	44	65	67	4.3	3.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
29	17.2	17.8	18.4	18.0	21.5	16.5	15.5	13.4	12.8	13.9	13.4	90	84	88	87	7.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	17.2	21.0	18.2	18.6	22.5	15.5	14.5	13.7	14.0	13.6	13.8	93	75	86	85	4.0	2.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Med.	18.2	21.5	19.1	20.0	25.1	16.2	14.7	12.4	8.8	11.0	10.7	80	42	67	63	3.9	3.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Precipitación total : 61.3 m.m.

DATOS DIARIOS

Estación O. I. C. A. P. I. S. Mes Octubre Año 1969 $\phi = 20^{\circ} 21' N$ $\lambda = 75^{\circ} 31' W$ W.B.R. Altura 1,500 M.

Días	TEMPERATURAS					TENSION DEL VAPOR			Humedad Relativa			NEBULOSIDAD	Brillo Solar Horas	PRECIPITACION			VIENTOS												
	7	14	20	Med.	Máx. Min.	Mm. Hg	Med.	7	14	20	Med.			7	14	20	Total	DIRECCION	FUERZA	DIRECCION	FUERZA								
												EVAORACION																	
	7	14	20	Med.	7	14	20	Med.	7	14	20	Med.	7	14	20														
1	16.8	21.6	17.4	18.3	22.5	16.5	16.0	13.5	13.9	13.3	11.6	94	72	90	85	7.7	0.2	0.4	9.6	0.4	16	1	00	0	02	1			
2	16.8	20.2	18.8	18.6	22.0	16.5	16.0	13.5	15.1	13.4	14.0	94	80	83	86	8.0	—	0.5	—	—	0.8	00	0	00	0	06	1		
3	17.0	22.4	19.8	19.8	24.0	16.0	15.6	14.2	12.4	13.6	13.2	98	61	75	78	6.3	3.6	19.1	0.1	—	1.6	16	1	16	2	02	1		
4	18.0	21.1	17.2	18.4	22.0	17.0	16.0	14.6	14.7	14.2	14.2	94	78	90	87	5.7	0.3	—	8.5	0.8	0.6	02	1	16	1	00	0		
5	16.6	24.6	20.2	20.5	25.0	16.0	15.0	13.3	14.9	13.4	13.9	95	80	88	88	6.0	4.2	5.2	—	—	0.8	16	1	00	0	00	0		
6	17.4	20.6	18.6	18.5	22.0	16.5	16.0	14.0	13.9	14.4	14.1	96	80	81	79	5.0	6.7	—	0.1	—	1.4	00	0	16	1	00	0		
7	17.8	22.4	19.8	19.9	24.0	16.0	15.0	13.3	14.5	13.4	13.7	90	80	87	86	6.7	—	1.3	3.9	—	1.9	00	0	16	1	00	0		
8	17.8	22.0	18.2	19.0	24.0	16.5	15.0	13.2	9.1	12.6	11.6	91	53	75	73	4.7	1.5	—	3.4	2.8	6.3	0.8	00	0	04	1	06	1	
9	18.2	23.0	18.8	19.7	26.0	16.0	14.5	14.2	8.5	12.8	11.6	91	40	79	70	4.0	5.2	0.1	—	—	—	—	—	—	—	—	—	—	
10	17.6	22.4	19.8	20.0	25.0	16.5	15.0	12.0	6.1	12.6	10.6	91	71	80	70	5.4	7.9	—	—	—	1.8	06	1	04	1	00	0		
11	19.4	24.8	20.4	20.6	25.0	16.5	15.0	13.1	6.1	12.7	10.5	87	57	75	62	3.0	8.5	—	—	—	—	—	—	—	—	—	—	—	
12	17.6	21.2	18.2	18.8	23.5	15.5	14.5	12.5	10.6	11.7	11.6	85	46	66	66	5.0	6.1	—	0.6	—	—	—	—	—	—	—	—	—	
13	17.2	24.6	20.4	20.6	25.0	16.5	15.0	12.1	16.3	12.6	11.6	80	86	80	82	6.3	3.0	—	—	—	—	—	—	—	—	—	—	—	
14	17.4	18.2	17.2	17.2	20.5	16.0	16.0	12.6	13.6	13.2	13.1	90	86	90	89	8.0	—	—	24.2	1.2	25.6	0.4	16	2	00	0	00	0	
15	18.4	20.2	17.4	18.4	21.5	15.5	15.0	12.1	11.4	11.9	11.8	76	64	80	73	4.7	0.1	—	0.2	0.7	2.7	3.4	1.2	00	0	06	1	00	0
16	17.4	21.8	20.0	19.8	25.0	15.5	14.5	12.9	8.8	9.6	10.4	87	95	55	62	5.0	5.6	—	—	—	—	—	—	—	—	—	—	—	
17	18.8	20.4	19.4	19.5	23.0	16.0	15.0	12.1	12.6	12.7	12.5	77	70	75	73	5.0	—	—	—	—	—	—	—	—	—	—	—	—	
18	18.4	21.8	18.0	19.0	25.5	15.0	14.5	11.8	6.5	11.8	10.0	76	35	70	60	3.3	4.6	—	—	—	—	—	—	—	—	—	—	—	
19	18.0	20.2	18.2	18.2	25.0	16.0	14.5	12.0	7.2	10.2	9.8	75	30	58	54	2.7	4.1	—	—	—	—	—	—	—	—	—	—	—	
20	18.4	24.0	21.2	21.0	26.0	16.0	15.0	12.0	5.4	8.7	7.8	60	20	50	43	2.0	9.6	—	—	—	—	—	—	—	—	—	—	—	
21	18.0	21.0	19.8	19.9	24.5	17.0	15.5	13.7	13.8	13.3	13.5	88	65	80	78	4.7	3.5	—	—	—	—	—	—	—	—	—	—	—	
22	18.2	23.0	19.2	19.2	28.0	15.0	14.0	9.3	5.4	8.7	7.8	60	20	50	43	2.0	9.6	—	—	—	—	—	—	—	—	—	—	—	
23	17.0	23.4	20.0	20.1	24.0	17.0	15.5	12.3	15.2	14.1	13.9	85	70	80	78	6.0	1.8	—	—	—	—	—	—	—	—	—	—	—	
24	16.0	20.4	18.8	18.5	21.5	15.0	15.0	12.1	11.6	12.4	12.8	90	73	76	80	6.7	3.0	—	—	—	—	—	—	—	—	—	—	—	
25	16.0	23.0	19.4	19.4	23.5	14.5	14.0	12.3	12.6	13.7	12.9	90	60	81	77	6.3	5.4	—	—	—	—	—	—	—	—	—	—	—	
26	16.4	22.0	19.6	19.4	21.9	15.5	14.0	13.1	15.8	13.0	14.0	93	80	76	83	5.0	3.8	—	—	—	—	—	—	—	—	—	—	—	
27	17.4	19.2	17.2	17.8	19.0	16.0	15.0	12.8	15.1	14.1	14.0	86	91	96	91	5.0	—	—	—	—	—	—	—	—	—	—	—	—	
28	17.8	21.4	18.0	18.8	25.0	16.0	15.5	14.4	12.0	13.0	13.1	94	63	84	80	1.0	3.0	—	—	—	—	—	—	—	—	—	—	—	
29	19.0	21.2	19.4	19.8	23.6	16.5	15.0	11.5	13.2	11.8	12.2	70	70	70	70	5.3	2.4	—	—	—	—	—	—	—	—	—	—	—	
30	19.0	23.8	20.0	20.7	26.0	16.0	15.0	11.5	7.8	10.6	10.0	70	35	60	55	3.0	5.2	—	—	—	—	—	—	—	—	—	—	—	
31	18.6	25.8	20.4	21.3	27.5	15.5	14.5	11.2	10.0	11.7	10.0	70	28	66	55	3.3	7.7	—	—	—	—	—	—	—	—	—	—	—	
Med.	17.6	22.3	18.9	19.4	24.0	15.9	14.9	12.7	11.5	12.4	12.2	85	58	76	73	5.3	3.5	—	—	—	—	—	—	—	—	—	—	—	

Precipitacion total : 202.9 mm.

DATOS DIARIOS

Estación oigantio

Mes Noviembre Año 1969

φ 28 21' N λ 75 31' WGR

Altura 3.500 M.

Días	TEMPERATURAS						TENSION DEL VAPOR						Humedad Relativa			BRILLO SOLAR		PRECIPITACION			VIENTOS							
	Med.		Máx.	Mín.	Mínima Suntu	Med.	mm		%		Med.	7	14	20	7	14	20	7	14	20	7	14	20					
	7	14					20	7	14	20														7	14	20	7	14	20
1	18.6	24.0	19.3	20.3	25.0	16.0	15.0	11.2	12.4	14.2	12.6	70	56	86	71	4.3	4.4	—	—	3.9	3.9	1.8	00	0	12	1	00	0
2	17.5	24.0	20.0	20.4	24.5	16.4	13.5	14.9	14.2	14.2	14.2	80	66	81	79	5.3	3.2	—	—	0.1	4.8	1.0	00	0	00	0	00	0
3	18.0	23.8	19.4	20.2	25.5	16.4	15.8	13.4	8.0	9.7	10.4	87	36	58	60	5.7	4.7	—	—	—	—	—	—	—	—	—	—	—
4	18.0	25.2	19.1	20.4	26.0	16.5	15.0	11.6	9.6	10.8	10.7	75	40	65	60	4.3	2.7	—	—	—	—	—	—	—	—	—	—	—
5	18.0	24.0	18.6	19.8	25.0	15.5	14.5	11.8	11.2	13.1	12.0	76	50	80	69	5.0	8.1	0.1	—	—	—	—	—	—	—	—	—	—
6	18.2	21.6	19.0	19.4	22.0	16.5	15.5	14.0	15.3	13.9	14.4	90	80	85	85	7.0	3.3	3.0	—	—	—	—	—	—	—	—	—	—
7	16.4	21.0	17.8	18.2	23.0	16.0	15.0	13.7	14.9	12.3	13.6	98	80	80	86	6.2	3.5	25.9	0.8	—	—	—	—	—	—	—	—	—
8	17.4	22.0	17.6	18.6	22.0	16.5	15.0	13.3	14.0	12.1	13.1	90	71	81	81	8.0	4.1	8.9	—	—	—	—	—	—	—	—	—	—
9	18.0	22.2	19.4	19.8	23.5	16.5	15.0	13.8	15.9	13.5	14.4	90	80	80	83	6.3	2.2	—	—	—	—	—	—	—	—	—	—	—
10	17.6	21.0	17.2	18.2	23.0	16.5	15.5	13.5	10.3	12.3	12.0	90	55	84	76	7.0	3.0	0.7	—	—	—	—	—	—	—	—	—	—
11	18.0	24.8	18.4	19.9	25.5	16.5	16.0	12.5	9.0	10.1	10.6	81	38	65	61	3.3	5.1	0.1	—	—	—	—	—	—	—	—	—	—
12	18.0	19.2	17.0	17.8	21.5	16.5	14.5	11.6	11.7	11.3	11.5	75	70	78	74	5.0	2.8	—	—	—	—	—	—	—	—	—	—	—
13	17.8	24.6	19.8	20.5	25.0	16.5	13.0	13.4	8.2	12.0	11.2	88	35	70	64	3.0	7.2	—	—	—	—	—	—	—	—	—	—	—
14	19.0	24.0	19.8	20.6	26.5	16.0	14.5	10.8	13.5	10.5	11.6	66	60	60	62	2.7	8.9	—	—	—	—	—	—	—	—	—	—	—
15	18.0	22.0	18.0	19.0	22.5	15.5	14.0	11.8	13.8	12.4	13.3	90	70	80	80	5.3	3.5	—	—	—	—	—	—	—	—	—	—	—
16	17.6	22.8	18.4	19.3	24.0	16.0	15.0	12.8	13.0	13.5	13.1	85	63	85	78	6.3	6.4	—	—	—	—	—	—	—	—	—	—	—
17	17.8	21.6	18.4	19.2	23.2	15.5	13.5	13.7	13.4	14.4	13.8	90	70	80	85	4.7	5.0	—	—	—	—	—	—	—	—	—	—	—
18	17.6	22.4	17.8	18.9	23.5	16.0	14.0	14.5	16.3	13.2	14.0	98	70	87	85	4.7	6.0	—	—	—	—	—	—	—	—	—	—	—
19	18.0	22.0	18.2	19.1	22.5	16.0	14.4	13.6	14.4	12.6	13.5	84	72	80	79	3.7	3.3	—	—	—	—	—	—	—	—	—	—	—
20	17.6	23.2	18.0	19.7	26.0	16.0	15.0	12.1	7.3	13.4	10.9	80	30	66	65	1.0	4.9	—	—	—	—	—	—	—	—	—	—	—
21	17.4	22.0	18.6	19.2	22.5	16.0	14.0	14.6	15.8	14.2	14.9	98	80	87	88	3.3	4.2	0.1	—	—	—	—	—	—	—	—	—	—
22	17.6	20.6	17.2	18.2	21.5	16.5	15.0	12.6	14.5	13.4	13.5	83	80	91	85	6.3	0.6	—	—	—	—	—	—	—	—	—	—	—
23	18.0	23.4	19.8	20.8	26.0	16.0	15.0	13.4	9.2	14.2	12.3	86	38	83	69	2.3	5.1	—	—	—	—	—	—	—	—	—	—	—
24	19.0	17.8	17.4	17.9	20.5	17.5	16.5	12.5	13.7	12.8	13.0	76	90	84	83	4.0	0.6	—	—	—	—	—	—	—	—	—	—	—
25	19.0	23.8	18.8	20.1	24.5	17.0	15.0	13.2	9.0	12.0	11.4	80	41	74	65	3.3	4.0	—	—	—	—	—	—	—	—	—	—	—
26	19.4	23.8	20.0	21.3	26.0	16.5	14.5	13.5	8.8	12.2	11.5	80	35	70	62	3.7	9.0	—	—	—	—	—	—	—	—	—	—	—
27	18.0	21.8	19.0	19.4	22.5	16.0	14.5	13.3	13.6	13.2	14.0	85	80	80	82	4.7	3.2	—	—	—	—	—	—	—	—	—	—	—
28	16.8	23.0	18.6	19.2	23.5	15.5	15.0	12.9	10.8	10.5	11.4	90	51	66	69	4.7	3.3	2.2	—	—	—	—	—	—	—	—	—	—
29	19.6	19.8	19.3	20.6	26.5	16.5	14.5	12.0	8.9	12.0	11.0	70	40	74	61	3.3	6.1	—	—	—	—	—	—	—	—	—	—	—
30	19.0	24.6	19.1	20.4	25.5	16.9	15.4	11.6	10.3	11.5	11.1	70	43	70	62	2.3	5.6	—	—	—	—	—	—	—	—	—	—	—
Med.	18.0	22.9	18.6	19.5	23.9	16.2	14.8	12.9	12.0	12.5	12.5	84	59	78	74	4.7	4.1	1.3	1.9	1.7	4.9	1.4	—	—	—	—	—	—

Precipitación total : 146.1 mm.

DATOS DIARIOS

Estación Gigante Mes Diciembre Año 18 69 φ = 2° 21' N λ = 75° 31' W.G.R. Altura 1.500 M.

Table with columns: TEMPERATURAS (7, 14, 20 Med, Max, Min, Mínima Soelo), TENSION DEL VAPOR (7, 14, 20 Med), Humedad Relativa (7, 14, 20 Med), NEBULOSIDAD DECIMOS Y HORAS, BRILLO SOLAR, PRECIPITACION (7, 14, 20 mm, Total), EVAPORACION (7, 14, 20 mm, Total), VIENTOS (7, 14, 20 DIRECCION, FUERZA, Km./Hora).

Precipitación total : 105.6 m.m.

RESUMEN MENSUAL Y ANUAL

AÑO: 1-1969

ESTACION: Oligante

M E S	PRESION ATMOSFERICA SOBRE 800 MM. HG.			TEMPERATURA OC			TEMPERATURAS EXTREMAS OC						HUMEDAD RELATIVA %			TENSION DEL VAPOR MM. HG.			PRECIPITACION			DIA LLUVIOSOS							
	MAXIMA	MINIMA	DA	MAXIMA	MINIMA	DA	MAXIMA	MINIMA	ABSOLUTA	DA	MAXIMA	MINIMA	ABSOLUTA	MAXIMA	MINIMA	ABSOLUTA	MAXIMA	MINIMA	ABSOLUTA	7	14		20	SUMA	MAXIMA				
	DA	MINIMA	DA	MAXIMA	MINIMA	DA	MAXIMA	MINIMA	ABSOLUTA	DA	MAXIMA	MINIMA	ABSOLUTA	MAXIMA	MINIMA	ABSOLUTA	MAXIMA	MINIMA	ABSOLUTA	7	14		20	SUMA	MAXIMA				
ENERO	17.8	23.4	19.5	20.0	24.4	16.5	28.5	13	15.0	26	15.5	81	54	69	68	8	15.6	4.3	11.7	4.9	4.0	1.6	53.4	11.0	4.4	72.2	13	32.9	17
FEBRERO	18.2	23.1	19.3	20.0	24.5	16.9	27.1	23	15.0	25	15.7	83	56	70	70	20	15.6	5.1	12.2	5.0	3.4	1.7	22.5	38.3	14.4	71.8	20	16.8	16
MARZO	18.5	24.4	20.0	20.7	25.8	17.0	28.5	17	16.0	V	15.7	78	44	65	62	24	15.0	6.1	11.1	3.9	3.6	2.2	14.7	25.3	13.4	56.4	20	12.0	15
ABRIL	18.1	22.2	19.2	19.7	23.9	17.1	28.3	28	15.5	26	16.2	84	66	79	76	30	16.7	7.7	13.0	4.9	2.6	1.3	67.1	79.2	61.6	209.3	24	29.9	18
MAYO	18.6	23.5	19.6	20.3	24.8	16.8	28.0	12	15.9	1	15.8	78	56	72	68	30	16.3	7.7	12.2	4.4	3.6	1.7	70.9	31.1	21.1	118.7	23	25.2	28
JUNIO	18.3	23.2	19.1	19.9	24.8	16.4	27.9	14	14.5	14	15.2	79	54	72	68	28	15.9	6.6	11.9	4.2	4.2	1.7	48.1	28.9	32.0	109.4	19	32.8	4
JULIO	16.9	21.5	17.6	18.4	23.1	15.2	26.3	12	13.5	13	13.8	82	55	74	71	25	15.6	5.7	11.1	4.2	3.5	1.7	22.0	14.5	29.1	65.2	19	10.4	5
AGOSTO	17.6	22.1	18.1	19.0	23.8	15.9	27.0	14	15.0	V	14.5	81	53	73	69	22	14.9	5.6	11.2	4.1	3.7	1.8	35.4	39.7	17.8	94.0	23	20.9	1
SEPTIEMBRE	18.2	23.5	19.1	20.0	25.1	16.2	28.5	13	15.0	V	14.7	80	42	61	63	16	14.6	4.6	10.7	3.9	3.6	2.1	43.6	9.4	9.0	61.3	20	36.4	26
OCTUBRE	17.6	22.3	18.9	19.4	24.0	15.9	28.0	21	14.5	25	14.9	85	58	76	73	20	15.8	4.8	12.2	5.3	3.5	1.4	123.9	70.2	9.2	202.9	23	71.9	23
NOVIEMBRE	18.0	22.9	18.6	19.5	23.9	16.2	26.5	14	14.5	13	14.8	84	59	78	74	30	15.9	7.3	12.5	4.7	4.1	1.4	39.0	56.0	51.1	146.1	23	25.9	6
DICIEMBRE	18.1	22.4	18.8	19.5	23.8	16.3	27.5	30	15.0	V	15.0	86	62	79	76	30	16.4	5.2	12.8	5.2	3.7	1.4	29.9	46.7	29.0	105.6	21	19.5	5
MEDIA ANUAL	18.0	22.9	19.0	19.7	24.3	16.4	27.7	-	15.0	-	15.2	82	55	73	70	24	15.7	6.0	11.9	4.6	3.6	1.7	47.5	37.5	24.3	109.4	248	27.9	-

PRECIPITACION TOTAL: 1,312.9

PRECIPITACION MAXIMA: 71.9 - I - 23

DIAS LLUVIOSOS: 248

FRECUENCIA DE PRECIPITACION Y TEMPERATURA

AÑO: 1.969

ESTACION: digante

MESES	PRECIPITACION														TEMPERATURA									
	7 HORAS				14 HORAS				20 HORAS				TOTAL				Mínimo Abajo de 1.5 °C	Mínimo Arriba de 17 °C	Máxima Abajo de 22 °C	Máxima Arriba de 26 °C				
	Más de: 01	Más de: 10	Más de: 200	Más de: 500	Más de: 01	Más de: 10	Más de: 200	Más de: 500	Más de: 01	Más de: 10	Más de: 25	Más de: 50	Más de: 100	Más de: 200	Más de: 300									
ENERO	7	5	2	1	9	3	-	-	2	2	-	-	-	13	8	7	4	2	1	-	1	11	4	11
FEBRERO	8	4	1	-	13	7	1	-	2	5	-	-	-	20	13	7	4	2	-	-	1	18	2	5
MARZO	4	3	1	-	13	5	1	-	11	4	-	-	-	20	12	7	4	2	-	-	-	17	1	19
ABRIL	13	6	3	-	20	12	2	-	17	9	3	-	-	24	17	15	11	8	3	-	-	20	8	6
MAYO	13	10	2	1	16	8	1	-	12	6	-	-	-	23	18	10	9	4	1	-	-	15	1	11
JUNIO	11	5	1	-	12	8	-	-	11	6	1	-	-	19	12	9	7	3	1	-	1	7	2	8
JULIO	10	3	1	-	14	5	-	-	7	4	-	-	-	19	12	10	4	1	-	-	15	1	10	1
AGOSTO	10	6	1	-	17	8	1	-	10	4	-	-	-	23	15	12	5	2	1	-	7	1	6	2
SEPT. 8	5	1	1	-	15	4	-	-	9	1	-	-	-	20	12	4	1	1	1	-	3	7	2	10
OCTUBRE	12	7	3	1	17	10	2	1	9	3	-	-	-	23	17	12	9	7	2	1	4	3	8	6
NOV. 8	4	1	1	-	15	8	2	1	14	7	2	1	-	23	17	11	8	5	3	-	1	2	5	5
DICBRE.	7	4	1	-	15	8	1	-	13	7	1	-	-	21	15	11	8	3	-	-	1	8	6	1
SUMA ANUAL	111	64	18	5	176	86	11	2	124	58	7	1	-	248	168	115	74	40	13	1	36	110	55	85

FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.

MESES	PRECIPITACION MAS DE 0.1 MM.																								TOTAL	
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24		
ENERO	3	3	4	2	2	1	2	3	-	-	1	1	5	4	2	1	1	1	1	1	1	1	2	-	13	
FEBRERO	-	4	3	2	3	1	3	3	3	5	3	5	4	3	7	2	1	1	1	1	1	1	1	-	1	19
MARZO	1	2	2	2	1	1	2	3	1	2	2	5	5	6	2	2	3	4	4	1	2	2	2	2	20	
ABRIL	7	6	4	5	6	5	3	5	5	7	6	8	11	9	11	8	7	5	5	2	4	3	3	7	23	
MAYO	3	3	6	4	5	6	4	4	2	3	8	4	8	7	6	4	1	2	1	6	6	5	5	24	24	
JUNIO	5	4	3	2	4	4	1	-	2	2	3	8	4	7	4	5	3	2	3	5	4	2	2	4	18	
JULIO	5	2	5	2	4	4	3	2	2	3	2	3	6	10	4	4	3	2	1	1	1	2	2	2	20	
AGOSTO	-	2	3	4	3	2	1	4	5	3	8	6	3	7	7	2	1	2	3	1	1	2	2	4	23	
SEPT. 2	1	1	1	2	1	4	2	5	4	4	3	2	6	3	2	3	2	1	2	2	1	1	1	1	20	
OCTUBRE	4	5	5	5	6	6	7	8	8	7	5	1	1	4	2	3	4	4	2	2	5	4	5	4	23	
NOV. 1	3	4	4	4	2	2	5	5	5	8	3	3	6	6	6	4	6	4	2	1	1	1	1	2	25	
DICBRE.	1	1	2	4	4	4	3	7	2	3	6	4	4	7	6	4	2	2	2	2	2	2	2	-	20	
SUMA ANUAL	32	36	41	38	43	36	33	49	39	44	55	50	56	76	60	45	37	31	25	22	30	26	27	32	248	

RESUMEN DE ALGUNAS CARACTERISTICAS DE LA PRECIPITACION

Año 1.969

Estación: Oligante

MESES	TOTAL			No. PRECIPITACIONES		CANTIDAD		DURACION			PRECIPITACION MAXIMA				DURACION MAXIMA					
	m. m.	Dias	No. Precipitaciones	Dia	Noche	Total Dia	Total Noche	Dia	Noche	Total	m. m.	Durac.	Int. Med.	Int. Max. 6/m.	Int. Max. 1/m.	h. min.	m. m.	Int. Med.	Int. Max. 6 min.	Int. Max. 1 min. (goteo)
Enero	72.2	13	13	13	13	26	57.1	10:50'	13:45'	24:35'	32.5	4:35'	0.12	5.5	1.1	4:35'	32.5	0.12	5.5	1.1
Febrero	71.8	20	28	10	38	52.7	19.1	21:50'	10:45'	32:35'	31.7	8:15'	0.06	4.5	0.9	8:15'	31.7	0.06	4.5	0.9
Marzo	56.4	20	28	10	38	38.5	17.9	21:05'	15:35'	36:40'	12.0	1:05'	0.18	4.0	0.8	4:10'	6.7	0.03	0.5	0.1
Abril	209.3	24	45	24	69	140.6	68.7	58:30'	41:30'	100:00'	20.1	9:25'	0.04	1.0	0.2	9:25'	20.1	0.04	1.0	0.2
Mayo	118.7	23	37	24	61	51.5	67.2	29:00'	34:35'	63:35'	25.0	7:30'	0.06	1.0	0.2	8:10'	15.8	0.03	0.6	0.1
Junio	109.4	19	28	18	46	60.7	48.7	24:10'	26:40'	50:50'	29.2	7:50'	0.06	2.0	0.4	7:50'	29.2	0.06	2.0	0.4
Julio	65.2	19	26	16	42	43.6	21.6	24:20'	18:25'	42:45'	9.8	3:55'	0.04	0.8	0.2	3:55'	9.8	0.04	0.8	0.2
Agosto	94.0	23	42	16	58	57.7	36.3	27:00'	17:25'	44:25'	20.2	1:35'	0.21	4.5	0.9	3:15'	22.7	0.01	0.3	0.1
Septbre.	61.3	20	30	10	40	18.5	42.8	19:00'	8:40'	27:40'	35.3	2:10'	0.27	10.1	2.0	3:50'	4.5	0.02	0.4	0.1
Octbre.	202.9	23	33	24	57	79.4	123.5	29:25'	38:20'	67:45'	72.1	10:00'	0.12	6.0	1.2	10:00'	72.1	0.12	6.0	1.2
Novbre.	146.1	23	33	11	44	107.1	39.0	32:10'	16:05'	48:15'	26.7	8:55'	0.05	3.0	0.6	8:55'	26.7	0.05	3.0	0.6
Dicbre.	105.6	21	36	14	50	74.1	31.5	24:40'	16:20'	41:00'	16.5	1:10'	0.24	4.0	0.8	4:15'	15.1	0.06	4.0	0.8
TOTALES	1.312.9	248	379	190	569	739.5	573.4	322:00'	258:10'	580:05'	331.1	66:29'	XX	XX	XX	76:35'	266.9	XX	XX	XX

DATOS DIARIOS

Estación 21 Tambo Mes Enero Año 1969 φ = 20 23'N λ = 76° 43'W GR Altura 1.750 M.

Table with columns: Dias, TEMPERATURAS (7, 14, 20 Med, Max, Min, Mínima Sentido), TENSION DEL VAPOUR (7, 14, 20 Med, m m), Humedad Relativa (7, 14, 20 Med, %), NEBULOSIDAD (7, 14, 20 Med, Horas), Brillo Solar (7, 14, 20 Med, Horas), PRECIPITACION (7, 14, 20 Total, m m), EVAPORACION (7, 14, 20 Total, m m), VIENTOS (7, 14, 20 DIRECCION, FUERZA, Km/Hora).

Precipitación total r 146.4 m.m.

DATOS DIARIOS

Estación El Tambor Año 1969 Mes Febrero $\phi = 24^{\circ} 23' N$ $\lambda = 76^{\circ} 43' W$ GOR Altura 1,750 M.

Días	TEMPERATURA $^{\circ}C$					TENSION DEL VAPOR $m m$					Humedad Relativa %			NUBESADAS DECIMOS		Brillo Solar Horas		PRECIPITACION $m m$			EVAPORACION $m m$			VIENTOS													
	7	14	20	Med.	Min.	7	14	20	Med.	Min.	7	14	20	Med.	7	14	20	7	14	20	7	14	20	7	14	20	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA					
1	16.8	25.4	18.8	20.0	26.3	15.7	14.5	13.5	10.1	14.6	12.7	9.4	41	90	75	8.7	0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
2	16.0	16.0	25.3	19.4	26.6	14.9	14.0	13.4	10.1	12.7	12.1	9.8	43	75	72	7.1	8.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---				
3	17.0	23.6	17.8	19.0	24.5	16.0	14.8	14.0	13.1	14.6	13.9	9.6	60	95	84	8.7	2.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---				
4	17.0	23.9	18.0	19.2	24.5	16.6	15.4	14.6	12.2	14.6	13.9	10.0	55	96	84	9.0	1.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
5	16.8	26.0	17.2	19.3	26.8	15.9	15.0	13.8	11.6	13.9	13.1	9.6	46	94	79	9.3	7.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
6	16.2	22.4	18.0	18.6	24.9	15.5	15.0	13.3	15.2	15.5	14.7	9.6	74	95	88	7.7	4.7	1.9	0.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
7	16.8	23.2	17.4	18.7	25.0	16.6	15.6	13.8	12.8	14.6	13.7	9.6	60	98	85	7.3	4.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
8	15.6	24.3	17.6	18.8	24.9	14.9	13.6	13.3	12.0	14.9	13.4	10.0	53	98	84	7.7	4.7	19.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
9	17.3	24.4	15.4	18.1	24.9	16.6	15.7	14.8	11.5	13.2	13.1	10.0	50	100	83	9.3	5.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
10	17.0	23.2	16.4	18.2	23.9	15.6	14.5	14.6	11.8	13.1	13.2	10.0	55	93	83	9.7	4.9	2.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
11	15.8	24.3	16.2	19.1	26.0	14.9	13.6	12.9	11.9	13.9	12.9	9.6	52	100	81	9.7	6.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
12	17.2	23.0	17.9	19.0	24.0	16.0	15.1	14.4	13.8	14.2	14.1	9.8	65	93	85	10.0	4.1	2.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
13	16.9	24.3	18.8	19.7	26.0	16.4	15.4	13.8	12.0	14.0	13.3	9.6	53	86	78	8.0	8.1	0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
14	17.6	24.9	18.8	20.0	25.3	16.4	15.1	14.4	12.3	14.6	13.8	9.5	52	90	79	7.7	9.1	0.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
15	17.1	22.8	18.0	18.8	23.0	16.6	15.4	14.0	13.4	14.7	14.0	9.6	66	95	86	6.0	5.2	0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
16	16.6	21.9	18.0	18.6	23.8	15.9	15.0	13.9	11.4	13.8	13.0	9.8	58	90	86	8.7	4.3	0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
17	16.6	22.3	17.6	18.5	22.9	15.9	15.0	13.6	12.3	13.8	13.2	9.6	61	92	83	8.7	5.6	10.5	12.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
18	16.0	24.2	16.9	18.5	24.9	15.9	15.0	13.4	12.0	13.8	13.1	9.8	53	96	82	7.0	6.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
19	16.6	24.8	19.2	20.0	25.1	14.7	13.8	13.6	12.3	15.0	13.6	9.6	52	90	78	6.0	6.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
20	16.6	23.3	17.4	18.7	24.9	15.6	14.5	13.6	11.1	13.1	12.1	9.6	54	74	75	1.0	3.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
21	15.4	25.6	18.8	19.7	27.0	14.0	12.9	12.6	8.9	13.3	10.5	9.6	36	70	67	5.0	10.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
22	18.0	25.8	18.4	20.2	26.2	15.8	15.0	14.9	10.0	14.0	13.0	9.6	40	90	75	4.7	4.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
23	17.6	23.0	18.0	19.2	24.2	16.6	15.4	14.5	11.3	13.4	13.1	9.6	53	86	78	9.7	5.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
24	16.0	24.0	17.4	17.8	25.5	16.8	16.0	14.8	13.2	12.6	12.9	9.6	50	100	82	9.0	4.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
25	14.2	24.2	17.8	18.5	24.9	11.9	11.0	12.2	12.6	14.2	13.0	10.0	55	93	83	8.3	7.4	0.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
26	17.0	25.0	16.8	18.2	26.0	14.9	14.0	14.2	10.0	13.4	12.5	9.8	42	93	78	7.7	6.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
27	16.0	21.8	17.6	18.9	24.9	15.6	14.5	13.4	14.1	13.5	13.7	9.8	72	90	87	7.0	3.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
28	14.2	25.4	20.0	18.9	26.3	14.9	13.5	13.6	9.8	13.1	11.5	9.6	40	75	70	5.1	8.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
29																																					
30																																					
31																																					
Med.	16.6	24.0	17.7	19.0	25.1	15.6	14.5	13.8	11.8	13.8	13.1	9.7	53	91	80	7.9	5.8	1.4	0.5	4.0	5.9	1.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	

Precipitación total: 1.63. m.m.

DATOS

DIARIOS

Altura 1.750 m

λ = 76° 41' W GR

φ = 20° 23' N

Año 19 69

Mes

Estación El Tambor

Días	TEMPERATURAS °C						TENSIÓN DEL VAPOR mm				Humedad Relativa %			NUBOSIDAD		Brillo Solar Horas	PRECIPITACION mm			VIENTOS														
	Méd.		Máx.		Mín.		Méd.		Mín.		Méd.		Méd.		7		14	20	7		14		20											
	7	14	20	7	14	20	7	14	20	7	14	20	7	14		20			Total	DIRECCION	FUERZA	DIRECCION	FUERZA	DIRECCION	FUERZA									
1	17.2	25.2	18.4	19.8	26.6	16.0	15.0	14.0	9.6	11.8	12.5	98	40	88	75	8.1	4.7	—	—	—	—	—	—	0.8	12	1	16	1						
2	17.4	20.6	17.8	18.4	21.0	16.0	15.5	13.6	12.7	13.7	13.1	91	70	80	84	8.7	0.5	—	—	—	—	—	—	0.6	16	1	16	1						
3	17.6	20.8	17.1	18.2	22.5	17.4	17.0	16.8	13.8	13.9	13.6	98	68	84	91	10.0	0.2	0.6	1.2	—	—	—	—	0.4	08	1	12	0						
4	16.0	24.0	17.6	18.8	23.5	15.0	14.4	12.4	12.0	14.5	13.1	98	53	96	82	6.7	5.3	—	—	—	—	—	—	—	0.0	08	1	12	0					
5	17.0	21.6	17.0	18.2	23.5	15.9	14.5	14.6	13.9	13.8	13.9	100	72	91	88	8.0	4.8	2.2	1.6	0.2	—	—	—	—	0.4	08	0	10	0					
6	17.2	24.9	18.2	19.6	25.9	14.9	13.5	14.4	10.7	13.6	12.9	98	46	86	77	6.1	8.0	—	—	—	—	—	—	—	3.0	0.0	0	10	1					
7	16.6	26.2	18.8	20.1	27.0	15.4	13.9	13.4	12.4	15.0	13.6	98	48	91	80	8.0	7.6	—	—	—	—	—	—	—	0.8	08	0	06	1					
8	17.4	25.9	19.3	20.5	27.0	16.8	15.5	14.2	11.4	14.7	13.4	96	46	88	77	8.0	6.8	—	—	—	—	—	—	—	0.6	08	0	06	1					
9	19.0	22.9	18.0	18.5	24.5	14.9	13.9	12.3	13.0	13.4	12.9	96	64	86	82	10.0	1.4	—	—	—	—	—	—	—	1.0	06	1	10	0					
10	17.0	23.4	20.2	20.7	27.0	15.5	14.3	13.8	10.8	12.8	12.5	95	45	73	71	7.3	7.8	—	—	—	—	—	—	—	1.6	00	0	12	1					
11	17.0	21.6	17.8	18.6	22.5	14.5	13.2	14.7	14.5	14.6	14.6	100	75	95	90	10.0	0.6	—	—	—	—	—	—	—	0.4	12	1	12	1					
12	17.4	25.2	17.2	19.2	25.9	15.9	14.9	14.2	12.1	14.1	13.5	96	50	96	81	9.0	6.3	—	—	—	—	—	—	—	1.4	00	0	12	2					
13	17.0	24.9	17.9	19.4	25.6	16.0	15.5	13.7	11.2	14.7	13.2	94	48	96	79	10.0	2.5	6.8	—	—	—	—	—	—	7.8	0.0	0	08	1					
14	17.6	21.8	18.4	19.0	23.9	16.9	16.0	14.1	13.6	15.1	14.3	96	70	95	87	8.3	4.3	3.0	—	—	—	—	—	—	3.3	0.0	0	08	2					
15	17.4	24.8	17.2	19.2	25.5	17.1	16.3	14.6	12.6	13.9	13.7	96	53	94	81	8.3	2.3	—	—	—	—	—	—	—	2.1	0.0	0	06	2					
16	16.8	26.2	16.4	19.0	26.5	14.9	14.0	14.4	10.2	12.9	12.5	100	40	92	77	8.0	6.2	—	—	—	—	—	—	—	10.6	10.6	1.0	00	0					
17	14.4	25.2	17.0	18.4	26.0	13.9	12.0	12.0	12.1	13.7	12.6	98	50	94	81	9.3	6.3	—	—	—	—	—	—	—	—	0.8	08	1	08	0				
18	17.2	22.4	18.0	18.9	24.0	15.6	14.4	14.1	11.3	13.8	13.1	96	55	90	80	7.0	4.3	—	—	—	—	—	—	—	—	2.0	00	0	16	1				
19	16.0	24.9	17.8	19.1	26.2	14.8	13.9	13.4	7.0	9.1	9.8	98	30	60	63	3.0	9.3	—	—	—	—	—	—	—	—	0.6	06	0	12	1				
20	12.4	26.2	19.4	19.4	26.9	11.9	9.5	10.3	10.2	12.7	11.1	96	40	75	70	3.0	9.1	—	—	—	—	—	—	—	—	0.6	00	0	16	1				
21	15.4	25.0	17.4	18.0	24.0	15.6	14.0	12.6	11.9	14.0	13.5	96	70	94	87	7.3	2.1	—	—	—	—	—	—	—	0.8	5.3	6.3	0.0	0	16	1			
22	16.9	25.0	17.3	19.1	26.0	15.6	14.0	14.4	11.9	13.2	13.2	100	90	90	80	8.3	3.9	—	—	—	—	—	—	—	—	2.0	00	1	16	1				
23	15.4	23.4	17.2	18.3	24.9	13.6	12.1	12.9	11.1	11.8	11.9	98	51	60	76	6.0	5.8	—	—	—	—	—	—	—	—	2.0	00	1	16	1				
24	15.0	25.9	18.0	19.2	26.0	13.0	12.0	11.5	10.0	13.4	13.6	90	40	87	72	6.0	6.8	—	—	—	—	—	—	—	—	2.0	00	0	12	1				
25	17.0	18.4	16.8	17.2	23.0	15.6	14.4	13.8	13.7	13.4	13.6	95	86	91	10.0	1.5	—	—	—	—	—	—	—	—	—	5.0	1.7	6.8	0.0	0	16	1		
26	17.4	20.8	18.8	20.2	27.0	17.3	16.5	14.2	11.3	14.6	13.4	95	45	90	77	6.7	6.3	0.1	—	—	—	—	—	—	—	0.2	0.2	1.2	0.0	0	16	2		
27	17.6	23.6	18.2	19.4	25.5	15.5	15.5	16.6	13.1	14.5	14.1	97	60	91	83	9.0	2.5	—	—	—	—	—	—	—	—	0.2	0.3	0.2	0.0	0	12	1		
28	16.8	22.0	19.0	19.2	23.0	15.5	14.5	14.4	13.3	15.2	14.3	100	69	93	87	10.0	1.3	0.3	—	—	—	—	—	—	—	—	3.0	1.0	1.0	1.0	0	16	2	
29	18.4	23.2	16.4	18.6	24.0	17.2	16.0	16.0	13.0	13.3	13.1	100	61	95	85	9.0	4.7	3.0	—	—	—	—	—	—	—	—	0.1	13.4	14.2	0.8	0.0	0	08	2
30	16.1	22.4	18.0	18.6	24.0	15.9	15.0	13.9	12.1	14.7	13.6	100	60	95	85	7.7	3.2	9.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	17.8	22.6	17.4	18.8	24.0	17.0	16.5	16.7	14.5	14.2	14.5	96	70	96	87	8.3	4.2	—	—	—	—	—	—	—	—	—	0.3	0.5	1.2	0.4	0.8	1	12	1
Med	16.6	23.7	17.9	19.0	25.0	15.5	14.4	13.8	12.1	13.7	13.2	97	56	90	81	7.9	4.5	0.5	0.3	1.7	2.5	1.0	—	—	—	—	—	—	—	—	—	—	—	—

Prociptación total : 76.7 m.m.

DATOS DIARIOS

Estación El Tambo Mes Abril Año 1969 φ = 2° 23' N λ = 76° 43' W GR Altura 1.750 M.

Main data table with columns for Temperaturas (7, 14, 20 Med, Max, Min), Tension del Vapor (7, 14, 20 Med), Humedad Relativa (7, 14, 20 Med), Nebulosidad (Horas, Decimales), Brillo Solar (Horas), Precipitacion (7, 14, 20 Total), Evaporacion (7, 14, 20 Total), and Vientos (7, 14, 20 Direccion, Fuerza).

Precipitacion total : 423.6 mm.

DATOS DIARIOS

Estación B. Taabo Mes Mayo Año 1969 ϕ 25 23' N λ 76° 43' WGR Altura 1.750 M.

Días	TEMPERATURAS					TENSIÓN DEL VAPOR					Humedad Relativa %			NUBESIDAD DECIMOS		Brillo Solar		PRECIPITACION m m			EVAPORACION			VIENTOS						
	Méd.		Máx.	Mín.	Mínima Safo	m m		Méd.	%		7	14	20	7	14	20	Med	7	14	20	Total	7	14	20	DIREC CION	FUERZA Km./Hora	DIREC CION	FUERZA Km./Hora	DIREC CION	FUERZA Km./Hora
	7	14				20	7		14	20																				
1	16.6	22.8	18.0	18.8	23.5	15.5	15.0	14.3	12.5	14.7	13.8	100	60	95	85	9.0	4.5	18.8	0.2	--	5.6	0.4	0.8	1	08	1	16	1		
2	16.0	20.2	18.0	18.0	22.0	15.3	14.6	13.3	14.3	14.9	14.1	96	80	96	91	5.3	3.1	5.4	0.1	1.2	28.0	0.6	0.0	0	08	1	04	1		
3	14.6	24.2	17.0	18.2	25.4	13.6	11.5	11.9	10.4	13.6	12.0	96	46	95	79	9.1	7.2	26.7	--	0.2	0.4	1.0	0.4	1	06	1	14	1		
4	19.0	19.0	16.6	17.6	22.0	15.6	14.3	14.6	14.5	13.7	14.3	94	88	97	91	10.0	0.4	0.2	--	--	3.4	1.0	0.4	1	08	1	12	1		
5	15.4	22.4	17.1	18.0	24.0	14.5	13.0	13.1	12.7	14.0	13.3	100	62	96	86	9.0	3.1	--	0.1	0.1	0.6	1.4	1	12	1	16	1			
6	16.4	24.1	18.0	19.1	26.0	13.5	11.9	13.4	9.4	10.0	10.9	96	42	65	68	4.0	8.6	--	--	2.0	1.4	1	00	0	14	1				
7	16.6	23.4	19.6	19.8	26.0	14.0	12.8	13.3	10.8	8.6	10.9	94	50	50	65	7.3	3.6	--	--	--	--	1.0	1.4	1	08	1	14	1		
8	16.0	21.4	17.4	18.2	23.5	14.5	13.9	13.8	9.8	13.8	12.3	98	45	95	79	10.0	5.1	--	0.2	0.4	0.8	1	08	1	08	1	08	1		
9	16.8	21.4	17.4	18.2	23.5	14.5	13.9	14.2	12.5	13.0	13.4	96	63	94	82	7.5	6.7	11.5	--	--	--	1.0	1.4	1	14	1	16	1		
10	18.4	24.0	16.4	18.8	24.0	14.4	14.0	14.2	9.6	13.0	12.3	90	43	92	75	6.7	5.0	11.5	--	--	--	1.0	1.4	1	16	1	16	1		
11	15.8	25.4	17.3	19.0	26.5	13.5	12.5	12.2	12.1	13.2	12.6	91	50	90	71	8.0	7.1	--	--	--	--	1.0	1.4	1	12	1	16	1		
12	15.8	25.4	17.0	18.8	26.0	14.0	13.1	13.5	11.9	13.5	13.3	96	64	95	85	8.7	1.0	--	--	--	--	1.0	1.4	1	14	1	16	1		
13	17.6	21.0	16.6	18.0	22.5	15.0	14.5	14.5	14.5	13.7	12.5	100	43	94	70	7.0	8.2	--	--	--	--	1.0	1.4	1	12	1	16	1		
14	17.0	21.0	16.8	17.9	22.4	15.5	13.9	13.8	13.0	13.8	13.5	95	70	96	87	8.3	3.2	--	--	--	--	1.0	1.4	1	12	1	16	1		
15	16.0	21.8	17.0	18.0	24.0	15.0	14.0	14.7	11.6	13.8	12.7	93	60	95	83	8.0	3.3	--	--	--	--	1.0	1.4	1	12	1	16	1		
16	15.4	20.2	17.6	17.7	24.5	14.0	13.2	12.9	12.7	13.5	13.1	98	72	90	81	9.3	4.3	--	0.1	1.1	1.2	1.0	1.4	1	16	2	14	2		
17	17.0	22.0	17.1	18.3	24.0	15.8	14.5	14.2	10.5	14.6	13.1	98	53	100	84	8.7	4.7	--	--	0.2	0.2	1.0	1.6	2	12	2	04	3		
18	18.0	21.1	16.0	17.8	24.0	15.6	14.2	14.7	14.2	13.7	14.2	95	75	100	90	7.7	3.8	--	0.6	--	0.6	2.8	0.0	0	10	2	00	0		
19	17.0	19.2	16.6	17.4	24.3	14.0	13.3	10.8	13.3	14.3	12.8	74	80	100	85	7.1	3.6	--	1.9	--	1.9	1.0	1.6	1	08	1	16	1		
20	15.4	22.0	17.0	17.8	24.0	13.0	11.5	12.9	13.8	14.0	13.6	98	70	96	88	8.3	3.3	--	--	--	--	1.1	1.0	1.4	1	08	1	16	1	
21	17.4	23.2	18.1	19.2	24.5	15.0	14.1	14.2	11.4	13.8	13.1	96	53	90	80	9.3	4.6	--	--	1.9	1.9	1.0	1.4	1	12	2	14	1		
22	16.4	22.2	17.0	18.2	24.0	14.9	13.5	13.7	12.6	13.7	13.3	90	63	94	85	8.7	4.9	--	--	1.4	1.4	1.4	1.4	1	00	0	14	1		
23	17.2	22.2	17.2	18.4	22.6	14.9	14.0	14.4	13.8	14.1	14.1	98	70	96	88	8.7	3.0	--	--	--	--	1.6	1.6	1	12	2	00	0		
24	16.2	25.4	19.0	19.9	26.0	14.9	13.9	13.9	8.8	9.3	10.7	100	36	56	64	2.7	10.4	--	--	--	--	1.6	1.6	1	12	2	00	0		
25	17.0	27.4	19.6	20.9	27.5	12.9	12.0	12.0	9.5	12.0	11.2	83	35	70	61	3.0	9.6	--	--	--	--	1.0	1.0	0.8	2	12	2	12	2	
26	15.4	23.8	16.2	17.9	24.5	14.0	12.5	13.1	11.1	12.2	12.1	100	50	88	79	10.0	--	--	0.2	--	0.2	0.6	1.2	1	08	2	08	1		
27	16.6	21.6	18.0	18.6	23.0	14.6	13.5	13.6	13.4	13.8	13.6	96	70	90	85	7.7	2.8	--	--	0.8	5.5	5.9	0.4	0.8	1	12	2	08	1	
28	18.0	22.0	17.0	18.5	23.0	14.5	12.5	14.5	11.9	14.0	13.5	93	60	96	83	9.3	1.5	--	--	--	--	1.0	1.0	1	12	1	12	1		
29	16.8	22.8	19.0	19.4	23.5	14.5	13.5	13.8	11.1	14.8	13.2	96	53	90	80	8.3	1.2	--	--	--	--	1.1	0.6	1.8	0.4	0.8	2	12	1	
30	17.4	23.9	17.9	19.3	26.0	15.0	13.5	14.2	10.6	14.7	13.2	96	48	96	80	8.0	2.9	--	0.1	4.9	--	5.1	0.4	1.6	1	14	1	00	0	
31	17.8	21.0	17.4	18.4	22.3	15.3	13.5	14.4	14.9	14.2	14.4	94	80	96	80	5.3	2.4	--	--	--	--	1.0	1.0	--	--	--	--	--	--	
Med.	16.6	22.5	17.4	18.5	24.2	14.6	13.4	13.5	11.9	13.4	12.9	95	59	90	81	7.8	4.1	2.0	0.3	0.6	2.3	1.0	--	--	--	--	--	--		

Precipitación total : 72.8 m.m.

DATOS DIARIOS

Estación El Tambo Mes Junio Año 1962 $\phi = 24^{\circ} 23' N$ $\lambda = 76^{\circ} 43' W$ WGB Altura 1,175.0 M.

Días	TEMPERATURAS °C						TENSIÓN DEL VAPOUR mm						Humedad Relativa %			Brillo Solar Horas	PRECIPITACION mm			VIENTOS											
	7	14	20	Med.	Máx.	Mín.	7	14	20	Med.	7	14	20	Med.	7		14	20	Total	7	14	20	7		14		20				
																							DIREC.	FUERZA	DIREC.	FUERZA	DIREC.	FUERZA	DIREC.	FUERZA	
1	17.4	16.2	15.0	15.9	23.0	14.0	13.6	12.9	12.3	13.1	96	91	96	95	9.3	4.1	0.2	1.5	1.4	2.9	0.4	0.8	1	0.8	1	0.0	0	0	0		
2	16.4	21.8	17.0	18.0	23.0	14.9	14.0	13.7	10.7	14.2	12.9	98	55	98	84	7.1	4.7	—	—	2.2	17.4	0.4	1.4	1	0.8	1	16	1	16	1	
3	16.4	15.8	15.4	15.8	20.5	15.0	14.0	14.0	12.7	13.1	13.3	100	94	100	98	8.1	3.2	15.2	9.9	5.9	15.8	0.0	0.8	1	0.6	1	14	1	14	1	
4	15.0	19.8	17.1	17.2	21.5	14.0	13.0	12.8	12.9	14.0	13.2	100	74	95	9.0	9.7	1.7	—	0.1	1.4	13.8	0.6	1.4	1	0.0	0	0	0	0	0	
5	16.0	20.0	15.8	16.9	21.5	15.3	14.0	13.0	11.4	12.9	12.4	95	65	96	85	10.0	1.6	12.3	0.2	—	0.2	1.0	0.8	1	0.0	0	14	1	14	1	
6	15.4	22.8	16.8	18.0	25.4	13.9	13.0	12.6	7.4	13.6	11.2	96	35	95	75	8.0	5.8	—	—	2.0	2.0	0.4	1.6	1	1.4	1	10	1	10	1	
7	17.0	21.8	17.6	18.5	23.2	14.3	13.4	14.2	11.8	13.3	13.1	100	60	90	83	8.7	2.9	—	—	0.5	1.0	1.4	0.4	1.6	1	1.4	1	0.8	1	0.8	1
8	16.0	20.0	16.9	17.4	23.6	14.0	13.4	13.7	13.1	13.6	13.5	100	75	95	90	8.3	3.3	—	—	0.2	0.2	0.2	1.4	1	1.2	1	0.8	1	0.8	1	
9	17.0	23.0	18.1	19.0	24.9	15.0	14.0	14.0	11.8	13.7	13.2	94	63	93	83	10.0	0.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	17.0	21.8	16.6	18.0	22.0	14.9	13.8	13.8	12.9	13.3	13.3	95	66	94	85	10.0	4.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	17.0	23.0	17.4	18.3	25.0	15.3	14.5	14.2	11.3	14.0	13.2	95	60	94	83	8.0	4.7	—	—	0.6	0.9	0.4	0.8	1	0.0	0	16	1	16	1	
12	17.4	21.0	17.0	19.0	25.2	13.8	13.0	13.2	11.4	12.6	12.4	91	48	87	75	8.0	7.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	14.0	24.4	17.2	18.2	25.4	12.8	12.0	11.4	10.3	14.0	11.9	85	45	95	78	7.3	4.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	16.0	23.0	16.0	17.8	24.0	13.0	12.0	12.1	12.6	12.3	12.4	90	60	90	80	5.7	8.2	2.5	—	—	—	—	—	—	—	—	—	—	—	—	—
15	16.0	23.0	16.0	17.8	24.0	13.0	12.0	12.1	14.4	13.1	9.1	9.3	10.7	96	45	60	67	6.7	4.8	—	—	—	—	—	—	—	—	—	—	—	—
16	16.0	23.4	18.0	18.8	24.1	15.1	14.0	11.5	10.3	11.3	9.7	94	30	75	66	3.0	9.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	14.0	24.4	17.6	18.4	25.0	11.6	11.6	11.5	10.3	12.1	11.3	94	50	90	78	7.7	2.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	14.4	22.4	15.8	17.1	23.0	13.0	12.0	11.2	10.3	11.2	11.2	94	56	95	82	7.0	3.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	16.0	22.0	17.9	18.4	24.0	13.4	12.5	12.8	11.2	14.6	12.9	94	56	92	82	6.7	4.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	14.8	22.0	17.2	17.8	24.6	13.8	12.5	12.4	11.2	13.5	12.4	98	56	92	82	6.7	4.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	16.0	25.0	19.0	20.2	25.9	15.4	14.3	14.7	8.4	12.3	11.9	95	35	76	69	9.3	4.2	—	—	0.2	—	—	—	—	—	—	—	—	—	—	—
22	14.0	25.0	19.0	19.2	25.4	11.6	11.6	14.0	12.1	8.4	9.9	10.1	100	35	60	65	6.7	7.4	—	—	—	—	—	—	—	—	—	—	—	—	—
23	14.0	22.4	17.6	17.8	23.5	13.0	12.4	11.5	8.1	12.5	10.7	93	40	86	73	5.0	5.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	14.2	22.9	17.5	18.0	24.9	13.0	12.5	11.5	9.4	12.1	11.0	95	45	86	73	7.7	1.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	14.3	25.0	17.1	18.4	25.5	12.8	12.0	11.6	11.9	13.2	12.2	96	50	90	79	6.7	6.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	15.4	22.4	18.0	18.4	26.0	14.1	13.4	13.1	10.3	14.7	12.7	100	50	95	82	10.0	2.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	16.8	22.0	17.6	18.5	22.4	16.2	15.0	12.8	9.8	14.0	12.5	96	50	91	80	10.0	7.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	16.0	23.3	18.0	18.8	25.0	13.1	12.4	12.7	9.6	13.1	11.8	93	45	85	74	4.7	7.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	16.4	22.0	16.0	17.6	24.4	15.4	14.6	13.7	10.5	13.7	12.6	98	53	100	84	8.1	2.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	16.6	22.0	20.0	19.6	24.0	15.1	14.5	14.3	10.1	7.9	10.8	100	51	45	65	7.3	4.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Med	15.9	22.1	17.2	18.1	23.9	14.1	13.4	13.0	10.6	12.8	12.1	96	54	88	79	7.7	4.2	1.0	0.6	0.5	2.1	1.1	—	—	—	—	—	—	—	—	—

Precipitación total: 62.9 mm.

DATOS DIARIOS

Estación El Tambo Mes Julio Año 1969 $\phi = 23^{\circ} 23' N$ $\lambda = 76^{\circ} 43' WGR$ Altura 1.750 M.

Días	TEMPERATURAS °C						TENSIÓN DEL VAPOR mm						Humedad Relativa %			Brillo Solar			PRECIPITACION mm			VIENTOS							
	7	14	20	Med.	Max.	Min.	Winds Scale	7	14	20	Med.	7	14	20	Med.	7	14	20	Total	7	14	20	DIREC CIÓN	FUERZA Km./Hora	DIREC CIÓN	FUERZA Km./Hora	DIREC CIÓN	FUERZA Km./Hora	
																													DIREC CIÓN
1	19.0	23.6	20.0	20.6	24.9	15.0	14.0	9.9	7.8	6.5	8.1	60	35	38	44	7.7	4.7	—	—	—	—	—	12	1	06	3	14	1	
2	18.4	25.2	18.2	20.0	26.0	14.6	13.5	10.3	9.6	10.4	10.1	65	40	67	57	7.7	6.6	—	—	—	—	—	3.0	00	0	12	3	00	0
3	15.0	28.0	19.8	19.6	25.3	11.9	10.5	10.6	7.9	6.5	8.3	84	35	38	52	6.3	6.9	—	—	—	—	—	1.6	12	2	08	2	00	0
4	18.0	24.9	17.0	19.2	26.5	12.0	11.0	12.4	9.4	8.7	10.2	80	40	60	60	5.3	8.7	—	—	—	—	—	3.6	00	0	08	3	08	1
5	16.0	23.1	17.2	18.4	26.0	13.6	12.4	12.5	9.7	10.3	10.8	92	46	70	69	7.3	5.3	—	—	—	—	—	1.8	00	0	08	3	08	1
6	15.8	20.2	16.8	17.4	24.4	13.8	13.0	12.9	10.7	9.8	11.1	96	60	68	75	6.7	2.2	—	—	—	—	—	0.8	00	0	08	2	12	1
7	15.0	24.2	19.4	19.5	23.8	13.8	12.5	11.8	9.2	7.4	9.5	93	40	44	59	8.0	5.8	—	—	—	—	—	2.0	12	2	12	2	08	3
8	15.0	24.2	16.8	18.2	26.0	13.4	11.8	11.8	6.7	6.3	8.9	93	30	58	60	7.0	4.5	—	—	—	—	—	2.4	16	3	08	1	00	0
9	15.0	25.8	18.2	19.3	27.7	11.0	10.4	11.3	8.6	12.6	10.8	88	34	80	67	6.0	4.9	—	—	—	—	—	0.4	08	0	14	2	08	1
10	15.4	20.8	17.8	18.0	23.9	13.6	12.5	12.3	11.9	13.8	12.7	94	65	90	83	5.0	2.5	—	—	—	—	—	3.0	00	0	14	2	14	1
11	14.9	24.8	17.6	18.7	26.0	14.4	13.1	12.1	5.9	6.1	8.0	96	25	40	54	5.7	7.3	—	—	—	—	—	4.5	16	1	14	2	00	0
12	11.0	25.4	18.4	18.3	26.5	10.9	9.6	9.4	7.5	6.4	7.8	95	30	40	55	2.7	10.2	—	—	—	—	—	3.5	00	0	08	2	00	0
13	19.6	24.4	18.4	20.2	26.0	15.3	14.5	6.9	5.9	6.4	6.4	40	26	40	35	5.0	8.0	—	—	—	—	—	2.0	00	0	00	0	16	3
14	18.0	24.3	18.6	19.9	26.0	16.3	15.5	6.3	5.7	8.4	6.8	40	25	40	35	3.0	8.5	—	—	—	—	—	1.0	00	0	08	3	08	1
15	17.4	21.4	16.4	17.9	23.5	12.9	11.0	8.9	8.6	8.1	8.5	60	45	96	54	7.3	3.2	—	—	—	—	—	3.0	00	0	08	3	08	2
16	16.8	19.4	19.4	19.8	25.0	14.6	13.6	10.3	8.1	8.6	9.0	71	38	50	50	6.7	8.1	—	—	—	—	—	3.0	00	0	08	3	08	2
17	17.0	23.6	20.0	20.2	25.3	11.5	10.5	12.7	6.5	13.0	10.7	88	30	40	53	7.3	8.0	—	—	—	—	—	5.0	00	0	08	3	08	2
18	13.4	24.5	18.0	18.5	26.5	12.0	11.0	9.2	7.6	7.7	8.2	80	33	90	54	4.0	9.1	—	—	—	—	—	5.4	08	1	00	0	08	1
19	18.0	21.4	19.4	20.0	24.0	12.6	12.0	11.8	8.7	8.7	9.1	76	40	40	52	6.3	7.8	—	—	—	—	—	7.0	08	1	00	0	08	0
20	20.0	26.6	19.2	21.2	27.5	13.5	12.0	7.0	7.2	6.7	7.0	40	28	40	36	8.3	8.2	—	—	—	—	—	10.4	06	3	08	3	08	0
21	17.2	23.9	19.8	20.2	25.3	14.5	14.0	9.1	6.6	7.5	7.7	68	30	43	45	7.7	6.5	—	—	—	—	—	9.6	06	2	08	5	08	5
22	20.4	25.0	19.2	21.5	27.5	15.5	15.5	7.2	8.6	6.7	7.5	40	36	40	39	1.7	10.9	—	—	—	—	—	11.0	08	5	14	5	06	4
23	13.1	24.0	19.0	18.8	25.6	12.0	11.3	9.5	7.3	7.4	8.1	84	33	45	58	3.7	7.3	—	—	—	—	—	9.4	14	1	00	0	06	3
24	18.4	19.2	20.1	20.6	24.0	11.4	10.2	9.2	8.7	7.5	8.5	58	40	45	48	7.3	7.3	—	—	—	—	—	3.4	14	1	06	2	06	2
25	15.4	23.8	19.0	19.3	26.5	14.5	14.0	11.3	8.9	8.3	9.5	86	40	50	59	9.0	4.8	—	—	—	—	—	5.0	08	1	14	2	12	1
26	17.0	24.8	19.8	20.4	26.8	14.7	13.6	10.9	8.5	7.8	9.1	75	36	45	52	6.7	4.5	—	—	—	—	—	7.0	08	1	08	4	08	1
27	17.4	24.2	19.0	19.6	25.0	13.1	11.9	8.2	7.8	9.3	8.0	16	45	54	50	3.0	9.0	—	—	—	—	—	5.2	08	1	06	6	08	1
28	19.0	23.3	18.0	19.6	25.0	17.4	17.0	7.6	6.4	7.2	7.1	46	30	46	41	8.7	9.5	—	—	—	—	—	2.6	00	0	12	2	06	1
29	15.0	22.1	18.8	18.7	23.4	13.6	12.4	8.8	8.0	9.0	8.6	70	40	56	55	6.7	6.6	—	—	—	—	—	2.4	00	0	08	1	06	1
30	14.0	21.2	16.4	17.5	24.2	13.4	11.4	12.1	8.5	11.7	10.8	100	40	84	75	5.0	7.0	—	—	—	—	—	2.0	00	0	14	3	04	1
31	17.6	23.8	17.0	18.8	24.0	14.0	13.2	13.5	8.9	14.0	12.1	90	40	96	75	8.0	2.6	—	—	—	—	—	1.2	14	1	16	2	14	2
Med.	16.5	23.8	18.5	19.3	25.5	13.6	12.6	10.4	8.1	8.6	9.0	75	37	53	55	6.2	6.6	—	—	—	—	—	0.9	0.9	—	—	—	—	—

Precipitación total : 28.0 mm.

DATOS DIARIOS

Estación El Tambo Mes Agosto Año 1969 $\phi = 2^{\circ} 23' N$ $\lambda = 76^{\circ} 43' WGR$ Altura 1,750 M.

Días	TEMPERATURA °C					TENSION DEL VAPOR m m					Humedad Relativa %			Brillo Solar Horas	PRECIPITACION m m			EVAPORACION m m	VIENTOS										
	7	14	20	Med.	Mín.	Máx.	Mín.	Máx.	Mín.	Med.	7	14	20		Med.	7	14		20	Total	7	14	20						
																								7	14	20	Med.	7	14	20	Med.	7	14	20
1	15.8	22.8	16.2	17.8	25.0	14.0	12.8	12.9	10.5	12.9	12.1	96	50	93	80	8.7	3.2	0.2	0.4	16	1	12	1	08	1				
2	15.2	22.0	22.0	21.7	27.5	13.0	11.0	11.5	7.0	6.0	8.8	100	26	30	52	8.0	6.2	---	5.2	14	1	00	0	08	1				
3	16.0	25.4	19.8	20.2	26.0	11.0	10.0	10.9	7.5	6.6	8.3	81	30	37	49	8.0	6.9	---	6.0	0.4	1	00	0	08	1				
4	16.6	23.8	17.0	18.6	25.8	14.0	13.4	10.0	8.0	7.9	8.6	70	36	55	54	8.3	6.1	---	3.2	12	1	12	1	08	1				
5	12.6	26.0	18.5	18.9	26.0	10.5	9.5	10.2	8.9	11.2	11.1	93	36	70	66	6.3	7.4	---	0.7	0.7	2.0	0.8	1	12	2	16	1		
6	16.6	23.6	17.4	18.8	24.0	12.9	11.5	13.3	7.9	13.2	10.5	94	36	89	73	3.6	3.6	---	2.0	1.6	1.0	0.0	1	04	1	16	1		
7	15.8	23.8	17.0	18.4	24.6	15.0	14.0	12.9	8.0	5.7	8.9	96	36	38	57	6.3	3.7	---	2.0	1.6	1.0	0.0	1	04	1	16	1		
8	15.2	23.4	17.0	18.2	26.0	14.0	13.0	11.5	9.7	10.2	10.5	89	45	80	71	7.0	2.1	---	2.0	1.6	1.0	0.0	1	04	1	16	1		
9	15.8	20.9	15.6	17.0	24.0	14.6	14.0	12.7	8.1	11.9	10.9	94	44	90	76	7.0	4.2	---	2.1	2.1	2.0	0.0	1	08	1	16	1		
10	11.0	22.2	16.3	16.4	23.0	9.0	7.0	9.8	8.9	11.0	9.9	100	44	80	75	1.7	6.3	2.6	3.1	1.0	0.0	1.6	2	08	1	16	1		
11	14.4	24.6	15.4	17.4	25.5	12.8	10.7	12.0	5.8	11.8	9.9	98	25	90	71	5.3	5.4	---	0.5	---	---	---	---	---	---	---	---	---	---
12	14.2	24.4	18.0	18.6	25.8	10.5	9.0	12.2	8.1	11.5	10.6	100	35	74	70	6.3	8.9	---	---	---	---	---	---	---	---	---	---	---	---
13	16.0	23.4	15.8	17.8	26.0	13.0	12.4	13.4	7.7	12.8	11.3	98	35	95	76	3.0	9.9	---	---	---	---	---	---	---	---	---	---	---	---
14	13.8	25.4	18.0	18.8	26.0	11.5	8.5	11.1	8.6	10.9	10.2	94	35	71	67	7.0	4.5	---	---	---	---	---	---	---	---	---	---	---	---
15	16.4	23.9	17.0	18.6	25.9	15.5	14.0	13.4	9.8	11.8	12.4	96	45	95	78	6.7	3.3	---	---	---	---	---	---	---	---	---	---	---	---
16	17.0	23.9	15.4	17.8	25.5	16.0	15.1	14.6	9.6	11.8	12.0	96	45	90	78	6.7	3.5	---	---	---	---	---	---	---	---	---	---	---	---
17	16.4	25.9	19.9	20.5	26.9	15.5	14.3	13.3	8.8	8.0	10.0	95	35	46	59	6.3	9.1	---	---	---	---	---	---	---	---	---	---	---	---
18	16.5	24.8	16.2	16.4	25.0	14.0	13.2	13.5	7.0	12.4	11.0	96	30	90	72	8.3	2.4	---	---	---	---	---	---	---	---	---	---	---	---
19	15.8	24.9	18.0	19.2	26.0	12.9	10.8	12.4	8.2	12.4	11.0	94	35	80	70	8.0	7.1	---	---	---	---	---	---	---	---	---	---	---	---
20	17.4	22.2	17.6	18.7	24.5	12.4	10.8	12.9	8.0	12.0	11.0	87	40	80	69	6.7	4.4	---	---	---	---	---	---	---	---	---	---	---	---
21	15.4	19.4	14.2	15.8	25.0	13.9	12.5	12.6	14.4	11.6	12.9	96	86	96	93	9.0	2.4	---	---	---	---	---	---	---	---	---	---	---	---
22	13.8	23.9	16.4	17.6	25.0	11.9	11.0	11.3	9.9	12.7	13.1	96	45	91	77	9.7	3.5	---	---	---	---	---	---	---	---	---	---	---	---
23	16.8	20.8	15.2	17.0	22.3	16.0	15.5	13.5	11.2	12.7	12.5	94	61	98	84	10.0	1.3	---	---	---	---	---	---	---	---	---	---	---	---
24	13.8	23.9	17.0	17.9	25.0	12.9	11.0	11.6	8.9	9.9	8.8	98	40	80	69	6.7	4.4	---	---	---	---	---	---	---	---	---	---	---	---
25	17.0	22.8	18.0	19.0	23.3	11.0	10.3	12.3	9.4	9.9	9.9	85	45	60	63	6.3	4.6	0.2	1.2	0.4	0.8	1	14	1	04	1	16	1	
26	13.2	22.2	16.6	17.2	23.0	11.4	9.9	10.9	9.1	12.8	11.0	96	46	90	77	8.3	4.0	---	---	---	---	---	---	---	---	---	---	---	---
27	22.0	19.4	14.0	14.8	23.5	10.5	9.0	10.5	11.2	12.1	11.3	100	66	100	89	4.3	2.1	---	---	---	---	---	---	---	---	---	---	---	---
28	14.0	24.4	19.4	19.3	25.3	13.0	12.5	11.5	9.2	6.7	9.1	96	40	80	59	6.0	6.9	---	---	---	---	---	---	---	---	---	---	---	---
29	14.0	23.2	16.0	17.3	24.8	11.5	9.9	11.6	8.5	10.8	10.3	97	40	80	72	6.7	6.0	---	---	---	---	---	---	---	---	---	---	---	---
30	13.2	22.4	17.0	17.4	24.7	12.4	11.3	11.4	8.1	10.2	9.9	100	40	70	53	3.6	3.6	---	---	---	---	---	---	---	---	---	---	---	---
31	13.0	25.0	15.4	17.2	27.0	11.0	10.0	11.3	7.7	7.7	8.7	100	32	55	62	7.0	4.2	---	---	---	---	---	---	---	---	---	---	---	---
Med.	15.0	23.5	17.0	18.1	25.0	12.8	11.5	12.1	8.8	10.5	10.5	94	41	74	70	7.1	4.9	0.2	0.3	0.8	1.3	2.4	---	---	---	---	---	---	---

Precipitación total : 40.0 m.m.

DATOS DIARIOS

Estación: El Tumbuco

Mes: Septiembre AÑO 19 69

$\phi = 2^{\circ} 21' N$ $\lambda = 76^{\circ} 43' WGR$

Altura: 1.750 M.

Días	TEMPERATURAS °C					TENSION DEL VAPOR m m					Humedad Relativa %			Brillo Solar Horas	PRECIPITACION m m			EVAPORACION m m	VIENTOS									
	7	14	20	Med.	Máx.	Mín.	Máxima Soleta	7	14	20	Med.	7	14		20	Total	DIRECCION		FUERZA	Km./Hora	DIRECCION	FUERZA	Km./Hora	DIRECCION	FUERZA	Km./Hora		
																											7	14	20	Total	DIRECCION	FUERZA	Km./Hora	DIRECCION	FUERZA	Km./Hora
1	15.8	24.8	19.0	19.6	25.5	11.5	9.5	10.3	7.0	6.6	8.0	77	30	40	49	6.7	3.2	3.0	00	0	00	0	00	0	00	0		
2	13.0	26.8	21.3	20.6	27.5	10.5	7.5	10.7	7.0	5.8	7.6	96	27	30	51	8.3	8.7	3.0	00	0	12	3	06	2	00	0		
3	12.6	21.0	20.4	20.4	27.5	8.5	6.5	9.6	7.6	5.6	7.6	88	28	30	48	6.7	8.5	4.0	00	0	06	2	00	0	00	0		
4	15.6	27.4	20.2	20.8	28.5	10.5	7.0	10.6	6.0	7.0	7.9	81	22	40	48	7.1	8.7	5.0	00	0	08	3	00	0	00	0		
5	15.4	27.0	19.4	20.3	27.5	14.0	13.6	10.5	6.7	6.5	7.9	85	25	38	48	5.7	8.3	4.2	00	0	08	1	06	3	00	0		
6	16.2	26.0	19.9	20.5	27.5	12.5	8.5	13.3	7.0	13.0	11.1	96	28	75	66	7.3	2.7	2.5	00	0	06	2	16	1	00	0		
7	15.3	25.2	17.9	19.1	27.5	14.8	14.0	13.0	8.2	13.0	11.4	100	34	85	73	8.7	1.4	2.3	00	0	00	0	00	0	00	0		
8	15.4	25.2	19.4	19.8	27.5	13.5	12.0	12.6	7.6	10.2	10.2	96	31	60	62	5.7	7.0	5.0	00	0	12	1	00	0	00	0		
9	18.0	26.2	18.6	20.4	26.5	15.0	14.0	10.8	7.0	7.2	8.3	70	28	45	48	5.0	6.1	2.7	00	0	06	1	00	0	00	0		
10	16.6	25.5	20.0	20.6	26.0	13.0	11.0	11.5	7.5	7.0	8.7	80	30	40	50	7.0	3.7	2.4	00	0	12	1	00	0	00	0		
11	16.14	26.9	17.4	19.0	27.5	15.4	14.0	12.3	5.9	7.4	8.5	88	25	50	54	6.3	2.9	4.2	00	0	00	0	06	3	00	0		
12	19.0	26.2	21.0	21.8	27.5	12.5	11.5	8.3	6.3	8.6	7.7	50	25	46	40	1.0	2.3	5.1	00	0	06	3	00	0	00	0		
13	16.0	27.0	17.8	19.8	28.0	13.0	12.4	5.4	7.0	8.4	6.9	40	25	55	40	5.3	3.0	5.2	08	3	06	3	00	0	00	0		
14	18.0	28.0	20.4	21.7	28.8	12.6	12.4	8.3	7.0	7.2	7.5	54	25	40	40	8.0	7.7	5.6	00	0	08	1	00	3	00	0		
15	18.0	25.6	19.0	20.4	26.5	16.5	16.0	10.2	7.5	8.3	8.7	66	30	50	49	6.0	3.0	7.0	00	0	08	3	00	0	00	0		
16	17.4	25.8	17.6	19.6	28.5	14.7	13.0	10.6	9.0	12.1	10.6	70	36	80	62	7.3	5.8	5.0	00	0	10	2	00	0	00	0		
17	15.6	19.6	17.9	17.8	24.0	13.5	12.4	12.8	12.0	13.7	12.8	96	70	90	85	5.7	2.4	1.4	00	0	16	2	00	0	00	0		
18	16.2	23.2	16.2	18.0	26.3	14.8	14.0	12.6	8.5	13.3	11.5	91	40	96	76	5.7	2.5	3.5	16.6	3.0	16	2	00	0	00	0		
19	15.4	18.8	17.0	17.0	25.0	14.9	14.0	12.9	15.7	11.6	13.4	98	96	80	91	7.0	0.2	1.1	5.1	0.8	6.4	0.0	00	0	00	0		
20	15.2	18.4	17.0	16.9	22.3	15.0	14.2	12.4	11.3	11.6	11.8	96	96	80	91	4.3	0.6	0.2	0.0	0.0	5.4	0.2	00	0	00	0		
21	17.0	21.0	17.2	18.1	23.3	16.4	15.3	13.5	13.5	14.0	13.7	93	73	95	87	9.3	3.3	1.2	2.1	0.0	0.0	0.0	00	0	00	0		
22	17.6	20.9	17.6	18.4	22.0	17.0	16.5	14.0	13.1	14.4	13.8	93	71	95	86	5.8	0.9	0.5	0.5	0.0	0.5	0.2	00	0	16	1	00	0
23	16.2	19.0	16.6	18.1	25.4	14.1	13.1	11.9	12.6	13.5	13.3	100	60	95	80	5.7	3.6	0.1	1.3	2.1	0.0	0.0	00	0	00	0		
24	16.4	23.9	15.4	16.8	24.4	15.3	14.1	13.7	13.2	12.5	13.1	98	76	95	90	7.7	1.0	0.7	6.4	2.1	8.5	0.0	00	0	00	0		
25	15.0	22.9	16.4	17.7	24.0	13.6	12.1	12.0	9.4	14.1	11.8	94	45	100	80	9.0	3.1	1.0	18.7	19.5	1.0	00	0	00	0	00	0	
26	16.6	22.2	18.8	19.1	24.6	16.0	15.1	14.3	12.0	15.5	13.9	100	60	95	85	8.7	3.5	0.8	0.1	0.5	0.6	0.3	00	0	00	0		
27	16.4	18.0	15.8	16.5	22.8	16.4	15.3	13.4	9.3	12.9	11.9	96	60	96	84	7.3	3.1	6.3	7.3	0.2	0.0	0.0	08	1	00	0		
28	15.8	24.8	17.4	18.8	25.5	15.6	14.5	13.2	10.5	14.2	12.6	100	45	96	80	8.3	4.9	1.0	0.6	26.8	1.0	00	0	16	1	00	0	
29	14.2	22.0	16.4	17.2	22.5	12.8	11.6	12.2	9.0	13.2	11.5	100	45	94	80	7.0	1.0	26.2	3.0	3.0	0.4	0.0	00	0	00	0		
30	15.8	25.0	17.0	18.7	27.5	11.5	9.0	12.9	9.6	13.1	11.9	96	40	90	75	8.0	8.0	16.5	17.2	1.0	0.0	0.0	08	1	08	1		
31																												
Med.	16.1	24.0	18.2	19.1	25.9	13.9	12.5	11.7	9.1	10.7	10.5	86	44	70	67	6.9	3.8	1.4	0.7	1.8	3.9	2.6	--	--	--	--	--	

Precipitación total: 116.5 m.m.

DATOS DIARIOS

Estación E1 Tambo Mes Noviembre Año 1969 $\phi = 28^{\circ} 23' N$ $\lambda = 169^{\circ} 43' W$ Altura 1,750 M.

Días	TEMPERATURAS						TENSION DEL VAPOR						Humedad Relativa %				BRILLO SOLAR		PRECIPITACION			VIENTOS								
	Med.		Máx.		Mín.		Med.		Máx.		Mín.		Med.		Máx.		Mín.		Med.		Máx.		Mín.		Med.		Máx.		Mín.	
	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20	7	14	20
1	17.2	23.4	15.9	18.1	26.0	16.4	16.0	12.8	13.5	13.5	13.5	95	60	100	85	7.0	3.4	0.4	21.2	21.6	0.4	0.0	0.8	1	0.0	0	0	0	0	
2	15.4	21.4	15.6	17.0	24.3	14.0	13.5	12.6	11.9	11.1	12.6	96	52	100	86	5.3	6.4	—	2.3	2.3	—	3.0	0.0	0	0.0	0	0	0	0	
3	16.0	24.4	18.4	19.3	27.0	15.6	12.7	12.7	9.2	14.2	12.0	91	40	90	74	6.3	8.2	—	—	—	19.9	20.9	0.8	0.0	0.6	2	0.0	0	0	
4	17.8	23.8	16.0	18.4	23.5	15.5	14.4	12.7	12.7	13.3	13.3	94	61	93	83	9.0	4.2	—	—	—	—	—	1.6	1.7	0.6	0.4	2	0.8	3	0.0
5	16.0	21.8	17.4	18.2	22.0	15.6	15.0	13.1	10.3	13.3	12.2	96	53	90	80	8.0	2.2	1.0	—	—	—	—	—	—	—	—	—	—	—	
6	15.8	22.9	17.6	18.5	24.0	15.4	14.5	12.8	9.2	12.8	13.6	95	44	85	75	8.3	7.0	0.1	—	—	—	—	—	—	—	—	—	—	—	
7	15.6	22.0	17.2	18.0	23.0	14.9	14.0	12.8	11.0	13.7	12.5	96	55	91	81	6.0	3.7	18.6	—	—	—	—	—	—	—	—	—	—	—	
8	16.0	23.2	16.4	18.0	24.0	14.5	13.4	12.8	8.5	13.1	13.5	94	40	94	76	7.3	6.0	—	—	—	—	—	—	—	—	—	—	—	—	
9	16.0	20.2	14.0	16.0	22.5	13.8	13.0	11.4	9.3	11.5	10.7	84	52	96	77	10.0	5.6	—	—	—	—	—	—	—	—	—	—	—	—	
10	14.3	23.0	16.0	17.3	23.5	13.1	12.0	11.5	12.2	12.7	12.1	95	58	93	82	7.1	3.6	8.6	5.2	15.0	20.3	0.2	0.0	0.16	1	0.0	0	0	0	
11	17.0	17.8	16.2	16.8	21.6	15.6	14.5	14.0	13.2	13.1	13.4	96	86	95	82	6.0	2.0	0.1	2.5	3.6	6.1	0.4	0.0	0.0	0.0	0	0	0	0	
12	14.8	23.8	15.8	17.0	23.0	14.5	13.5	12.4	11.8	13.2	12.5	98	60	98	85	9.3	4.2	—	—	—	—	—	—	—	—	—	—	—	—	
13	16.8	25.2	17.3	19.0	26.2	14.6	13.4	13.4	9.6	14.0	12.1	93	40	96	76	8.0	7.8	—	—	—	—	—	—	—	—	—	—	—	—	
14	16.6	24.6	17.3	19.0	26.0	15.4	14.1	13.6	9.4	14.0	12.1	98	40	95	77	6.7	6.0	—	—	—	—	—	—	—	—	—	—	—	—	
15	16.2	23.4	16.0	17.9	24.6	15.6	14.1	12.9	12.4	12.3	12.5	93	58	90	80	8.7	6.4	—	—	—	—	—	—	—	—	—	—	—	—	
16	15.8	22.6	15.2	17.2	24.0	15.6	14.5	12.9	13.6	13.6	12.7	96	65	95	84	7.3	4.1	3.2	—	—	—	—	—	—	—	—	—	—	—	
17	16.2	23.2	17.6	18.2	24.0	14.8	13.6	13.9	10.8	12.8	12.5	100	56	85	80	8.1	5.8	—	—	—	—	—	—	—	—	—	—	—	—	
18	16.6	23.4	17.4	18.2	22.0	13.0	13.0	13.6	12.6	13.6	13.3	96	66	91	84	7.0	3.6	—	—	—	—	—	—	—	—	—	—	—	—	
19	15.0	22.6	16.2	16.5	23.3	13.9	12.5	12.5	10.6	13.8	13.6	98	53	85	78	7.3	5.2	22.9	—	—	—	—	—	—	—	—	—	—	—	
20	16.0	23.0	16.6	18.0	25.6	14.1	13.2	13.1	9.0	13.9	13.7	96	43	91	77	7.7	5.6	—	—	—	—	—	—	—	—	—	—	—	—	
21	14.0	22.8	16.0	17.2	23.3	13.9	13.0	12.1	12.5	12.9	12.5	100	60	90	83	6.0	3.4	14.0	4.8	—	—	—	—	—	—	—	—	—	—	
22	16.6	23.6	16.2	18.2	25.0	15.6	14.5	13.6	12.1	13.1	12.9	96	55	95	82	8.0	3.9	—	—	—	—	—	—	—	—	—	—	—	—	
23	15.4	24.6	18.0	19.0	26.0	14.3	13.5	12.9	7.7	13.1	11.2	98	34	85	72	3.1	5.7	—	—	—	—	—	—	—	—	—	—	—	—	
24	15.8	21.8	16.4	17.6	22.4	15.6	14.0	13.2	10.2	12.6	12.0	98	52	90	80	7.3	0.4	38.7	—	—	—	—	—	—	—	—	—	—	—	
25	15.6	20.6	17.0	17.6	22.4	14.8	14.0	12.8	13.1	13.4	13.0	96	73	90	86	8.0	3.7	—	—	—	—	—	—	—	—	—	—	—	—	
26	16.2	23.2	16.4	18.0	22.4	15.6	14.5	13.3	12.8	13.4	13.2	96	60	96	84	8.0	4.6	—	—	—	—	—	—	—	—	—	—	—	—	
27	14.6	21.0	16.2	17.0	23.1	13.8	13.0	11.6	9.8	12.4	11.4	96	53	90	80	8.0	4.9	—	—	—	—	—	—	—	—	—	—	—	—	
28	15.2	19.6	17.0	17.2	24.5	13.5	12.4	12.3	13.3	13.1	12.6	96	72	90	86	7.7	5.6	—	—	—	—	—	—	—	—	—	—	—	—	
29	16.2	21.0	14.0	16.3	22.4	14.9	14.0	13.3	11.5	13.4	12.7	96	62	95	84	6.7	3.6	—	—	—	—	—	—	—	—	—	—	—	—	
30	13.6	22.4	15.6	16.8	24.0	12.4	12.0	11.8	11.3	13.3	12.1	100	55	100	85	7.7	4.7	0.1	0.4	1.8	2.2	1.0	0.4	1	12	1	0.0	0	0	
31																														
Med	15.8	22.3	16.4	17.7	23.9	14.7	14.0	12.9	11.1	13.0	12.3	96	56	92	81	7.6	4.6	4.2	0.6	7.1	11.8	0.9	—	—	—	—	—	—	—	

Precipitación total : 355.0 mm.

RESUMEN MENSUAL Y ANUAL

AÑO: 1969

ESTACION: El Teabo

UN	PRESION ATMOSFERICA SOBRE 600 MM. HG.			TEMPERATURA OC			TEMPERATURAS EXTREMAS OC			HUMEDAD RELATIVA %			TENSION DEL VAPOR MM. HG.			NIUBOSIDAD MEDIA EN DECIMOS			BRILLO SOLAR EN DECIMOS			EVAPOACION MM.			PRECIPITACION			DIA				
	MAXIMA	MINIMA	MEDIA	MAXIMA	MINIMA	MEDIA	MAXIMA	MINIMA	MEDIA	MAXIMA	MINIMA	MEDIA	MAXIMA	MINIMA	MEDIA	MAXIMA	MINIMA	MEDIA	MAXIMA	MINIMA	MEDIA	MAXIMA	MINIMA	MEDIA	MAXIMA	MINIMA	MEDIA					
																													7	14	20	7
ENERO				15.3	22.5	16.6	17.8	23.6	13.7	26.3	31	9.6	V	12.8	96	56	90	81	34	14.6	7.0	12.2	7.0	6.1	1.1	86.3	10.3	50.9	146.4	17	26.1	18
FEBRERO				16.6	24.0	17.7	19.0	25.1	15.6	27.0	21	11.9	25	14.5	97	53	91	80	36	15.5	8.9	13.1	7.9	5.8	1.1	38.6	13.5	111.8	163.9	18	48.2	9
MARZO				16.6	23.7	17.9	19.0	25.0	15.5	27.0	V	11.9	20	14.4	97	56	90	81	30	16.0	7.0	13.2	7.9	4.5	1.0	14.5	9.0	52.8	76.7	17	14.2	29
ABRIL				16.9	22.2	17.3	18.4	23.9	15.5	26.2	20	14.4	V	14.6	97	65	95	86	40	15.6	9.2	13.6	8.3	3.3	0.8	157.8	42.6	204.8	423.6	26	52.9	6
MAYO				16.6	22.5	17.4	18.5	24.2	14.6	27.5	25	12.9	25	13.4	95	59	90	81	35	14.9	8.8	12.9	7.8	4.1	1.0	62.7	8.9	19.8	72.8	19	29.0	2
JUNIO				15.9	22.1	17.2	18.1	23.9	14.1	25.9	21	11.6	V	13.4	96	54	88	79	30	14.7	6.5	12.1	7.7	4.2	1.1	30.5	17.4	15.2	62.9	13	17.4	2
JULIO				16.5	23.8	18.5	19.3	25.5	13.6	27.7	9	10.9	12	12.6	75	37	53	55	25	14.0	5.7	9.0	6.2	6.6	4.1	—	—	—	28.0	1	28.0	31
AGOSTO				15.0	23.5	17.0	18.1	25.0	12.8	27.5	2	9.0	10	11.5	94	41	74	70	25	14.6	5.8	10.5	7.1	4.9	2.4	7.9	8.7	23.4	40.0	12	13.9	27
SEPTIEMBRE				16.1	24.0	18.2	19.1	25.9	13.9	28.8	14	8.5	3	12.5	86	47	70	67	22	15.5	5.4	10.5	6.9	3.8	2.6	42.3	19.8	53.7	116.5	13	26.8	28
OCTUBRE				15.6	22.0	16.2	17.5	23.8	13.9	27.0	20	12.0	12	12.6	96	55	91	81	35	12.6	3.5	12.0	7.7	4.7	1.1	235.7	31.0	104.7	371.8	27	70.0	20
NOVIEMBRE				15.8	22.3	16.4	17.7	23.9	14.7	27.0	3	13.0	18	14.0	96	56	92	81	34	14.4	6.5	12.3	7.6	4.6	0.9	125.5	18.5	212.1	355.0	26	46.4	9
DICIEMBRE				16.1	22.0	16.6	17.8	23.2	14.6	24.7	30	12.5	V	13.3	95	55	93	81	25	14.2	5.5	12.4	7.3	5.3	1.0	44.4	8.1	172.1	224.6	20	41.1	27
MEDIA ANUAL				16.1	22.9	17.2	18.4	24.4	14.4	26.9	-	11.5	-	13.3	93	53	84	77	37	14.7	6.8	12.0	7.4	4.8	1.5	70.5	15.6	87.4	173.5	209	34.4	-

PRECIPITACION TOTAL: 2,082.2

PRECIPITACION MAXIMA: 70.0 - X - 20

DIAS LLUVIOSOS: 209

FRECUENCIA DE PRECIPITACION Y TEMPERATURA

AÑO: 1.959

ESTACION: El Paso

MESES	PRECIPITACION														TEMPERATURA											
	7 HORAS				14 HORAS				20 HORAS						Mínimo		Máximo									
	Máx. de:		Máx. de:		Máx. de:		Máx. de:		Máx. de:		Máx. de:		Máx. de:		Máx. de:											
	01	10	100	200	500	01	10	100	200	500	01	10	100	200	500	Abajo de	Arriba de	Abajo de	Arriba de							
ENERO	14	9	4	1	-	6	4	-	-	-	10	10	2	-	-	17	15	14	9	6	1	8	8	9	4	
FEBRERO	10	5	2	-	-	4	2	1	-	-	12	9	4	1	-	18	12	9	9	8	2	1	20	-	9	
MARZO	8	4	-	-	-	6	3	-	-	-	14	10	2	-	-	17	14	9	6	3	-	2	21	1	11	
ABRIL	16	12	6	2	-	12	8	1	-	-	22	17	7	4	-	26	20	19	16	14	10	1	22	4	5	
MAYO	6	4	3	-	-	11	3	-	-	-	13	9	-	-	-	19	14	6	5	2	1	2	11	2	7	
JUNIO	5	3	2	-	-	7	3	-	-	-	8	6	-	-	-	13	8	6	3	3	-	8	10	5	-	
JULIO	-	-	-	-	-	-	-	-	-	-	1	1	1	1	-	1	1	1	1	1	1	10	5	-	15	
AGOSTO	3	2	-	-	-	3	2	-	-	-	9	4	1	-	-	12	7	4	3	2	-	20	4	1	9	
SEPTBRE.	6	3	2	1	-	7	4	-	-	-	11	7	2	-	-	13	11	9	8	4	1	10	10	1	16	
OCTUBRE	20	14	9	5	-	7	3	2	-	-	17	11	3	1	-	27	20	17	13	13	9	1	9	6	4	
NOVIEMBRE	14	11	4	2	-	7	4	-	-	-	23	17	8	5	-	26	23	19	16	12	9	-	2	12	3	
DICIEMBRE	10	5	2	-	-	7	2	-	-	-	18	17	7	2	-	20	17	14	12	9	5	3	11	7	-	
SUMA ANUAL	112	72	34	11	-	77	38	4	-	-	158	118	37	15	-	209	162	127	101	77	39	2	75	140	39	85

FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.

MESES	FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.																								TOTAL
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	8-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	
ENERO	3	5	11	9	5	6	6	3	1	2	1	2	1	1	2	3	2	7	6	3	5	5	3	2	18
FEBRERO	3	1	-	1	3	2	4	2	1	-	-	1	1	1	4	6	5	8	5	5	5	2	1	2	18
MARZO	1	-	2	2	1	3	1	-	-	-	3	4	2	3	6	5	6	4	3	4	2	2	2	18	
ABRIL	6	6	6	7	7	6	7	6	4	-	1	2	5	7	7	12	9	10	11	10	7	7	8	25	
MAYO	4	4	3	3	3	3	3	3	1	1	1	4	4	4	6	8	4	3	1	3	2	5	3	20	
JUNIO	2	2	2	1	-	1	1	1	-	1	-	1	4	7	4	6	6	5	-	1	2	1	1	13	
JULIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	1	-	-	-	1	
AGOSTO	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	4	3	2	3	-	-	1	
SEPTBRE.	3	4	2	2	3	3	1	1	1	1	2	2	3	5	3	4	4	7	6	5	4	3	-	13	
OCTUBRE	13	11	8	7	6	3	2	2	1	2	1	2	1	2	1	5	4	4	5	9	10	11	13	26	
NOVIEMBRE	6	5	5	5	4	2	1	2	4	1	-	2	5	3	6	9	13	14	15	13	7	6	7	27	
DICIEMBRE	2	2	1	2	-	2	1	2	1	-	-	1	3	4	5	11	12	12	7	3	4	3	1	6	
SUMA ANUAL	45	39	38	39	33	29	29	23	12	7	7	18	33	43	46	78	73	72	69	59	49	43	40	212	

FRECUENCIAS DE: NUBOSIDAD - BRILLO SOLAR - VIENTOS

AÑO: 1.969

ESTACION: El Rancho

MESES	NUBOSIDAD en DECIMOS		BRILLO SOLAR HORAS		Número de días con: VIENTOS																											
	Máx. de 30		Mín. de 0.9		7 HORAS							14 HORAS							20 HORAS													
	N	E	S	W	N	E	S	W	N	E	S	W	N	E	S	W	N	E	S	W	N	E	S	W	N	E	S	W				
ENERO	4	11	2	7	-	-	-	-	3	1	1	-	9	5	6	6	-	-	-	-	3	2	5	1	2	1	17	-	-	-	-	
FEBRERO	-	15	1	2	-	-	-	-	-	-	-	-	11	11	3	2	-	-	-	-	2	-	2	-	-	-	5	19	-	-	-	-
MARZO	2	20	3	2	1	1	3	4	6	6	6	6	2	9	-	3	7	-	4	-	6	1	2	2	9	-	1	6	1	6	1	1
ABRIL	2	21	4	1	2	1	13	2	7	5	5	-	1	14	3	2	6	-	14	-	2	7	1	3	-	-	9	-	4	8	7	7
MAYO	2	20	3	2	3	2	1	7	-	1	14	3	2	-	2	2	6	-	12	-	1	11	1	1	3	8	7	8	7	4	6	6
JUNIO	1	16	2	1	2	1	3	14	-	8	3	2	-	1	2	13	-	2	4	6	5	-	1	1	-	1	5	12	-	2	2	5
JULIO	4	5	-	5	-	2	4	-	4	6	4	4	-	1	-	10	-	3	6	4	1	-	1	5	12	-	2	4	6	6	6	6
AGOSTO	1	11	-	2	-	2	4	-	1	2	4	6	4	-	1	5	6	1	3	3	5	-	3	14	-	2	2	5	-	2	2	5
SEPTIEMBRE	-	8	5	-	-	1	-	-	-	-	-	-	-	-	-	1	8	1	3	11	1	-	1	4	-	-	-	-	-	24	-	-
OCTUBRE	-	19	5	2	-	-	2	-	1	-	-	1	-	-	-	29	4	-	5	6	1	-	1	8	-	1	10	-	-	30	-	-
NOVIEMBRE	-	13	1	-	-	-	-	-	-	-	-	-	24	1	1	2	3	6	4	3	10	-	1	1	-	-	-	-	-	29	-	-
DICIEMBRE	1	10	-	1	-	4	3	9	-	1	1	12	-	-	-	1	7	11	-	1	2	9	1	2	9	-	-	-	-	1	-	-
SUMA ANUAL	17	169	26	25	15	19	9	73	16	45	108	31	2	9	23	122	10	67	40	61	29	-	17	8	69	3	14	32	193	1	-	-

Frecuencia Horaria del Brillo Solar

MESES	Frecuencia a Pleno Sol														Frecuencia sin Sol													
	6-7	7-8	8-9	8-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18	6-7	7-8	8-9	8-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18			
ENERO	-	3	6	11	15	16	16	16	18	19	14	7	-	22	17	14	6	5	-	4	2	3	6	9	29			
FEBRERO	-	1	6	13	15	14	14	14	14	10	8	4	-	27	16	8	4	3	1	3	1	3	5	10	21			
MARZO	-	1	5	14	14	11	11	7	8	7	4	4	-	29	17	10	4	4	6	6	8	9	11	16	22			
ABRIL	-	1	3	7	9	7	7	6	2	3	1	1	-	29	18	16	11	7	6	6	11	11	17	21	26			
MAYO	-	1	6	12	13	11	7	5	5	5	2	2	-	27	13	9	4	5	7	8	12	20	19	24	25			
JUNIO	-	3	6	9	9	9	9	4	2	4	2	2	-	25	16	4	3	2	6	6	8	9	11	19	23			
JULIO	-	3	14	19	12	11	8	5	6	5	3	3	-	17	5	-	-	-	-	2	3	4	1	3	6	14		
AGOSTO	-	2	11	13	10	5	4	2	4	2	3	1	2	-	24	6	3	2	2	5	7	7	10	14	21	21		
SEPTIEMBRE	-	2	7	8	7	2	3	1	3	1	1	2	-	19	10	8	8	6	6	4	8	14	10	14	15	30		
OCTUBRE	-	2	7	12	15	15	14	11	9	8	1	1	-	24	18	10	7	7	5	7	9	8	14	19	30			
NOVIEMBRE	-	2	4	7	12	11	12	7	8	5	3	3	-	28	19	11	4	4	3	3	2	7	13	17	28			
DICIEMBRE	-	-	5	15	17	16	15	12	8	5	5	1	-	27	16	6	5	5	4	5	5	4	10	14	31			
SUMA ANUAL	-	19	80	140	148	128	120	92	80	64	37	1	298	171	99	58	50	49	66	83	92	133	184	291				

RESUMEN DE ALGUNAS CARACTERISTICAS DE LA PRECIPITACION

Estación: El Tambo

Año: 1.969

MESES	TOTAL			No. PRECIPITACIONES			CANTIDAD		DURACION			PRECIPITACION MAXIMA						DURACION MAXIMA			
	m. m.	Días	Días	Día	Noche	Total	Total	Día	Noche	Total	m. m.	Durac.	Int. Med.	Int. Max. 6/m.	Int. Max. 17/m.	h. min.	m. m.	Int. Med.	Int. Max. 6 min.	Int. Max. 1 min. (rate)	
Enero	146.4	17	22	27	27	49	61.23	27:25'	37:45'	65:10'	27.5	7:55'	0.06	3.4	0.7	7:55'	27.5	0.06	3.4	0.7	
Febrero	163.9	16	20	14	34	34	125.5	22:35'	16:10'	38:45'	47.5	2:00'	0.40	13.4	2.7	5:55'	22.5	0.06	1.9	0.4	
Marzo	76.7	17	24	15	39	39	62.6	22:30'	9:55'	32:25'	13.2	3:03'	0.07	2.6	0.5	3:05'	13.2	0.07	2.6	0.5	
Abril	423.6	26	44	32	76	76	215.2	53:20'	63:05'	116:25'	50.9	5:45'	0.15	5.0	1.0	8:00'	5.9	0.01	0.2	-	
Mayo	72.8	19	27	10	37	37	28.7	20:00'	17:40'	37:40'	26.7	8:25'	0.05	1.5	0.3	8:25'	26.7	0.05	1.5	0.3	
Junio	62.9	13	21	7	28	28	32.6	22:15'	11:25'	33:40'	12.6	2:30'	0.08	2.5	0.5	4:05'	11.6	0.05	1.0	0.2	
Julio	28.0	1	2	0	2	2	28.0	2:50'	0:00'	2:50'	26.2	2:00'	0.22	7.5	1.5	2:00'	26.2	0.22	7.5	1.5	
Agosto	40.0	12	14	3	17	17	32.1	11:05'	2:45'	13:50'	13.9	1:45'	0.13	2.6	0.5	2:10'	3.4	0.03	1.5	0.3	
Septre	116.5	13	22	13	35	35	73.5	29:30'	23:40'	53:10'	26.0	5:55'	0.07	1.5	0.3	11:40'	16.8	0.02	0.6	0.1	
Octbre	371.8	27	30	33	63	63	135.6	33:50'	78:45'	112:35'	69.8	6:15'	0.19	7.5	1.5	9:45'	38.4	0.06	5.3	1.1	
Novbre	355.0	26	46	23	69	69	230.8	55:35'	32:00'	87:35'	37.8	1:50'	0.34	6.0	1.2	4:50'	33.2	0.11	6.0	1.2	
Dobre	224.6	20	35	16	45	45	160.2	35:35'	12:00'	47:35'	41.1	1:15'	0.55	10.0	2.0	3:15'	16.0	0.08	1.2	0.2	
TOTALES	2.082.2	209	307	187	494	494	3.206.3	336:30'	305:10'	641:40'	393.2	48:40'	II	II	II	71:05'	241.4	II	II	II	

ESTACIONES DE TERCER ORDEN
(ESTACIONES HELIOPLUVIOGRAFICAS)

THE UNIVERSITY OF CHICAGO
DIVISION OF THE PHYSICAL SCIENCES
DEPARTMENT OF CHEMISTRY
5708 S. UNIVERSITY AVENUE
CHICAGO, ILLINOIS 60637

DIA	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre
1	—	—	—	—	—	44.5	0.7	23.8	4.4	1.3	46.7	0.7
2	—	0.3	—	—	—	41.5	7.8	0.4	0.2	1.7	0.3	34.3
3	—	—	2.7	—	—	27.9	—	0.5	—	26.6	1.3	20.4
4	—	—	0.2	—	—	33.8	30.9	—	—	31.3	3.2	8.2
5	—	—	—	—	—	2.5	0.6	—	—	5.8	27.4	—
6	—	—	—	—	—	4.1	—	0.2	1.7	—	16.4	—
7	—	—	—	—	—	0.4	0.7	16.6	1.0	—	17.4	—
8	—	—	—	—	—	9.4	1.4	12.4	—	6.4	—	—
9	—	—	—	—	—	20.7	0.1	6.6	—	18.3	—	—
10	—	—	—	—	—	2.0	20.5	—	—	—	1.6	—
11	—	—	—	—	—	34.5	—	9.8	0.3	20.3	16.2	1.1
12	9.8	—	—	—	—	1.3	—	0.7	28.4	5.8	0.8	—
13	12.6	—	—	—	—	—	—	2.1	4.7	—	—	1.1
14	0.4	—	—	—	—	1.8	8.1	0.2	—	3.0	0.1	—
15	4.5	—	—	—	—	2.1	5.5	—	7.6	3.2	8.5	14.4
16	—	—	—	—	—	5.4	6.0	7.5	—	30.7	0.4	1.0
17	—	0.5	—	—	—	16.4	0.3	13.5	—	19.9	0.6	0.5
18	—	—	—	—	—	48.5	—	4.7	—	4.2	2.4	0.1
19	2.5	—	—	—	—	7.8	6.5	0.1	—	19.4	3.7	—
20	1.4	—	—	—	—	0.6	—	—	—	5.8	3.8	0.4
21	—	—	—	—	—	21.3	1.7	—	—	0.2	1.9	1.6
22	0.7	0.2	—	—	—	24.0	—	—	—	2.4	1.1	0.1
23	—	0.1	6.0	60.7	1.3	35.0	—	—	—	20.5	16.8	0.4
24	—	0.1	—	—	—	0.4	0.5	—	—	4.4	13.1	6.0
25	—	—	—	—	—	39.4	0.2	2.0	—	15.1	6.3	43.2
26	—	8.6	—	—	—	12.6	3.3	0.3	—	1.1	13.1	13.6
27	—	2.0	—	—	—	—	—	—	—	0.5	10.0	8.1
28	—	—	—	—	—	—	—	—	—	0.3	14.6	7.8
29	—	—	—	—	—	—	—	—	—	2.7	32.9	5.0
30	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—	—	—	—
Suma Mensual	31.9	11.8	9.9	386.3	146.9	257.6	72.3	175.8	196.3	335.0	231.3	88.5
Dias Limpios	7	7	4	18	20	26	8	26	22	26	23	10
<p>TOTAL DEL AÑO 1,943.6 m.m.</p>												
<p>TOTAL DEL AÑO 2,196.9</p>												

ESTACION : MAMARIZ FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM. A B O 1962

MESES	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	TOTAL	
ENERO	-	-	1	1	-	-	-	1	1	-	-	-	-	1	2	1	1	2	2	2	1	3	1	1	1	8
FEBRERO	1	1	-	-	-	-	-	-	2	1	1	-	-	-	1	1	1	2	1	1	1	-	-	-	1	7
MARZO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	-	-	-	-	-	4
ABRIL	3	1	1	2	1	1	-	2	1	2	2	2	6	6	7	12	9	5	3	3	4	3	2	4	4	18
MAYO	1	2	1	2	-	-	-	-	-	1	4	6	7	5	6	6	4	4	4	4	4	4	-	-	-	15
JUNIO	1	1	1	1	1	1	-	-	1	-	1	3	6	12	9	10	10	9	3	2	2	4	4	3	3	26
JULIO	-	-	-	1	2	1	1	3	1	-	-	-	2	4	2	3	-	-	-	-	1	1	-	-	-	6
AGOSTO	1	2	3	1	-	-	-	-	-	-	2	6	15	6	5	6	6	8	2	3	3	6	5	3	3	24
SEPTIEMBRE	1	2	1	1	1	-	-	-	-	1	3	9	13	10	7	6	5	3	2	2	2	2	1	-	-	22
OCTUBRE	3	3	3	3	2	2	1	1	1	1	6	10	9	14	9	12	7	6	4	5	3	2	1	-	-	27
NOVIEMBRE	2	2	1	1	1	1	-	-	-	1	5	5	9	13	10	10	9	5	2	3	3	3	3	4	4	24
DICIEMBRE	-	-	-	-	-	1	1	-	-	1	-	-	2	4	4	5	2	3	2	-	-	-	-	-	-	10
SUMA ANUAL	13	11	11	16	10	7	6	7	7	5	7	21	54	78	71	74	64	59	39	26	25	30	18	20	20	199

Frecuencia Horaria del Brillo Solar

MESES	Frecuencia a Pleno Sol												Frecuencia sin Sol												
	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	
ENERO	-	1	20	20	25	21	17	16	13	11	15	-	30	5	1	2	-	1	1	1	1	6	1	4	9
FEBRERO	-	-	23	25	24	18	12	12	9	14	9	-	28	4	2	1	-	-	1	2	-	3	3	3	10
MARZO	-	12	27	27	26	24	19	14	15	13	12	-	30	1	-	-	-	3	1	2	4	3	7	7	16
ABRIL	-	12	17	18	9	10	7	3	2	1	1	-	17	7	7	3	5	5	4	9	12	12	17	22	17
MAYO	-	14	16	17	16	14	11	6	8	6	5	-	17	3	5	3	6	6	6	6	6	13	15	21	21
JUNIO	-	8	17	15	12	6	7	1	1	6	1	-	15	2	5	2	4	5	6	8	9	12	18	26	26
JULIO	-	9	17	14	17	15	13	12	9	10	6	-	16	2	6	4	4	4	6	5	7	8	14	17	17
AGOSTO	-	12	17	16	7	7	7	5	2	6	-	-	16	3	5	2	1	6	7	15	10	12	20	20	20
SEPTIEMBRE	-	6	16	18	14	10	6	5	2	4	3	-	21	5	3	3	4	3	11	11	11	16	23	17	17
OCTUBRE	-	1	14	15	10	9	7	4	3	3	3	-	30	7	3	5	10	17	9	11	16	12	18	24	24
NOVIEMBRE	-	1	18	13	15	6	5	7	2	2	-	-	30	6	5	5	5	5	1	5	7	13	16	27	27
DICIEMBRE	-	3	20	25	17	16	12	12	10	6	10	-	29	6	4	2	1	1	1	1	3	3	4	10	14
SUMA ANUAL	-	79	222	223	192	158	125	97	76	86	65	-	275	51	46	32	40	55	56	79	94	115	165	240	240

RESUMEN MENSUAL Y ANUAL

ESTACION: Manabito

MES	SUMAS HORARIAS DE BRILLO SOLAR												PRECIPITACION									
	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	SUMA MAÑANA	SUMA TARDE	SUMA MENSUAL	7	14	20	SUMA MENSUAL	SUMAS	MAXIMA	DIA
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
ENERO	0.4	14.8	25.6	25.3	29.1	25.7	24.6	23.3	19.2	16.8	19.9	7.9	121.8	113.7	235.5	4.5	2.2	25.2	31.9	7	12.6	13
FEBRERO	-	15.4	25.4	26.2	26.5	24.6	22.2	18.7	18.3	19.3	15.6	6.0	118.1	100.1	218.2	8.7	2.1	1.0	11.8	7	8.6	26
MARZO	0.1	22.7	29.9	29.0	29.0	26.8	24.5	22.0	22.2	20.7	18.7	5.0	137.5	113.1	290.6	-	-	9.9	9.9	4	6.0	23
ABRIL	1.8	18.9	20.4	22.3	18.7	16.7	15.1	9.8	9.0	8.5	4.8	2.4	99.7	49.6	149.3	31.8	125.1	229.4	366.3	18	60.7	23
MAYO	2.6	20.6	22.5	22.3	20.9	17.6	18.7	16.7	14.9	14.1	9.9	4.4	106.5	78.7	185.2	15.2	23.7	108.0	146.9	20	33.8	4
JUNIO	2.5	17.7	20.9	22.9	20.1	16.0	14.6	12.0	7.8	9.3	4.2	1.0	100.1	48.9	149.0	33.2	84.7	139.2	257.6	26	44.5	1
JULIO	3.8	18.9	20.2	21.9	23.3	21.8	19.7	18.1	19.5	15.3	12.2	6.7	109.9	91.5	201.4	13.0	42.7	17.1	72.3	8	40.7	30
AGOSTO	1.9	18.9	22.1	23.9	19.8	14.9	12.2	10.6	10.7	10.4	5.5	0.8	101.5	50.2	151.7	10.8	101.4	63.2	175.8	22	32.9	29
SEPTIEMBRE	1.1	16.1	21.7	20.8	20.8	19.2	12.7	10.0	8.4	7.3	5.1	1.9	102.1	45.4	147.5	3.5	89.8	103.4	196.3	26	43.2	25
OCTUBRE	0.1	15.1	20.4	20.8	16.3	15.0	11.3	10.2	8.9	8.6	7.4	1.6	87.7	48.0	135.7	43.2	136.4	175.4	335.0	26	46.7	1
NOVIEMBRE	-	14.0	21.4	20.3	21.5	18.1	16.8	16.2	12.8	9.8	5.0	0.3	95.3	60.9	156.2	6.2	29.4	195.7	231.3	23	46.7	1
DICIEMBRE	0.3	14.9	25.1	27.0	25.8	22.8	22.8	19.2	20.4	19.1	15.7	3.6	115.9	100.7	216.6	1.1	16.4	71.0	88.5	10	34.3	2
SUMA ANUAL	14.6	208.0	276.5	286.0	271.8	239.2	215.2	186.7	172.1	161.2	124.0	41.6	1296.1	900.8	2196.9	14.3	52.8	94.9	162.0	197	32.3	-

SUMAS HORARIAS DE LA PRECIPITACION

MESES	TOTAL																							
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
ENERO	-	-	1.0	2.8	-	-	-	0.3	0.1	-	-	-	-	1.8	0.9	0.4	1.3	7.7	13.4	1.5	0.1	0.3	0.2	0.1
FEBRERO	0.4	-	-	0.3	-	-	-	-	1.2	0.6	0.3	-	-	-	-	0.1	0.1	0.4	0.3	0.1	0.4	1.2	2.3	4.1
MARZO	2.9	2.5	0.7	0.4	0.1	0.1	-	-	2.2	0.2	0.2	4.5	3.2	25.0	89.8	37.2	76.7	87.9	6.8	13.1	7.7	12.7	6.6	2.8
ABRIL	0.1	0.2	8.1	0.9	-	-	0.2	-	-	0.2	4.0	14.4	5.1	21.4	30.8	3.3	12.0	29.4	11.1	4.5	0.7	-	0.5	146.9
MAYO	0.3	0.8	0.2	0.1	2.5	0.1	-	-	0.6	-	11.2	15.8	13.5	43.6	69.7	18.3	35.8	10.9	3.5	0.6	13.3	11.1	2.9	23.3
JUNIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JULIO	0.1	-	-	0.9	0.7	0.1	-	-	-	-	-	-	-	1.3	33.5	66.6	33.2	11.5	4.4	13.4	0.3	0.4	3.2	4.5
AGOSTO	0.1	1.1	0.5	0.2	0.1	-	-	-	-	-	2.5	12.9	49.6	24.8	48.2	25.5	20.4	1.6	1.6	6.1	0.8	0.3	0.2	-
SEPTIEMBRE	2.2	2.6	1.9	3.1	4.3	13.7	1.9	3.5	18.5	3.5	1.7	6.2	24.1	58.9	78.9	48.0	25.6	16.8	5.1	7.0	8.3	3.6	1.2	
OCTUBRE	1.5	0.5	0.1	0.5	0.1	0.4	0.1	-	-	-	2.0	9.6	17.8	18.9	55.9	97.0	13.2	7.9	2.8	1.3	1.0	0.3	0.4	
NOVIEMBRE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DICIEMBRE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUMA ANUAL	7.6	7.7	13.4	10.5	10.9	18.6	5.0	7.1	20.9	4.7	20.4	45.4	181.9	353.5	348.7	303.7	280.9	92.3	75.6	37.3	45.2	30.1	10.7	

RESUMEN DE ALGUNAS CARACTERISTICAS DE LA PRECIPITACION

Estación: **Manauzo**

Año 1-969

MESES	TOTAL		No. PRECIPITACIONES		CANTIDAD		DURACION			PRECIPITACION MAXIMA				DURACION MAXIMA					
	m. m.	Dias	Dias	Noche Total	Total Dia	Total Noche	Dias	Noche	Total	m. m.	Durac.	Int. Med.	Int. Max. 5/m.	Int. Max. 1/m.	ht. min.	m. m.	Int. Med.	Int. Max. 5 min.	Int. Max. 1 min. (calc.)
Enero	31.9	7	8	5	13	27.5	4.4	8:25'	3:05'	11:30'	12.6	1:40'	0.13	4.0	0.8	9.8	0.08	2.0	0.4
Febrero	11.8	7	6	2	8	3.1	8.7	3:20'	3:50'	7:10'	8.4	3:35'	0.04	1.5	0.3	8.4	0.04	1.5	0.3
Marzo	9.9	4	4	0	4	9.9	0.0	2:40'	0:00'	2:40'	6.0	1:00'	0.10	3.5	0.7	6.0	0.10	3.5	0.7
Abril	386.3	18	34	10	44	354.5	31.8	42:40'	15:55'	58:35'	49.9	8:05'	0.10	5.5	1.1	49.9	0.10	5.5	1.1
Mayo	146.9	20	31	10	41	131.6	15.3	25:15'	9:25'	34:40'	23.5	2:35'	0.15	6.0	1.2	15.5	0.07	1.5	0.3
Junio	257.6	26	46	3	59	223.9	33.7	34:20'	10:40'	45:00'	38.6	2:10'	0.30	10.0	2.0	27.6	0.12	3.0	0.6
Julio	72.3	8	8	2	10	59.4	12.9	7:10'	4:50'	12:00'	40.7	1:55'	0.35	10.0	2.0	11.5	0.05	0.7	0.1
Agosto	175.8	26	35	15	54	164.6	11.2	29:25'	12:30'	41:55'	23.8	1:35'	0.25	4.0	0.8	12.3	0.07	2.0	0.4
Septbre.	196.3	22	34	4	38	193.6	2.7	37:05'	4:55'	42:00'	29.8	2:00'	0.25	5.8	1.2	6.3	0.04	1.0	0.2
Octbre.	335.0	26	46	16	62	292.5	42.5	53:35'	19:50'	73:25'	43.2	4:05'	0.18	5.5	1.1	10.5	0.04	1.5	0.3
Novbre.	231.3	28	36	16	52	225.0	6.3	42:05'	10:40'	52:45'	46.6	0:50'	0.93	9.7	1.9	42.5	0.10	5.5	1.1
Dicbre.	88.5	10	15	1	16	87.4	1.1	11:35'	1:05'	12:40'	33.8	1:20'	0.42	9.5	1.9	20.4	0.13	3.0	0.6
TOTALES	1,943.6	197	303	98	401	1773.0	170.6	297:35'	96:45'	394:20'	356.9	30:50'	II	XX	XX	220.7	XX	XX	XX

DIA	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre
1	—	—	23.9	—	59.4	0.4	—	0.8	0.4	—	—	—
2	0.2	—	3.0	0.1	0.4	0.1	0.1	—	1.9	—	0.3	—
3	2.2	—	—	—	11.5	—	24.0	1.5	32.2	—	—	—
4	—	14.0	—	0.3	10.9	0.9	—	—	20.5	7.8	0.1	—
5	1.1	2.0	—	—	—	—	—	—	12.6	—	—	—
6	—	0.1	—	13.9	5.1	1.7	0.8	—	4.6	3.3	11.0	—
7	—	12.9	—	1.9	2.0	—	9.5	0.9	—	—	0.6	5.1
8	—	—	—	7.8	1.1	5.1	—	1.6	—	3.6	2.0	4.0
9	—	—	—	0.1	5.9	3.1	—	1.0	—	5.6	1.5	0.9
10	—	0.3	9.6	—	7.5	1.4	—	0.8	—	—	—	1.2
11	71.2	0.1	0.4	25.4	—	0.4	1.7	47.0	—	3.7	—	—
12	6.6	—	1.3	0.4	0.3	4.4	0.1	—	0.3	4.5	—	0.5
13	41.5	—	2.9	9.3	7.1	3.8	11.7	2.5	0.5	1.1	—	0.4
14	6.1	—	—	0.8	3.5	—	—	0.4	—	—	—	—
15	—	9.8	—	20.1	1.0	—	—	5.4	0.1	13.0	0.2	—
16	—	3.0	—	45.2	—	—	1.6	23.3	3.8	19.8	10.6	—
17	25.5	3.0	—	—	—	—	—	15.5	0.9	0.2	—	12.4
18	—	0.8	—	7.4	—	0.2	0.1	9.0	9.0	—	32.3	0.3
19	—	0.2	—	4.8	—	1.9	—	3.0	6.6	—	—	2.1
20	16.3	—	—	23.8	0.5	—	0.4	—	0.8	—	1.6	7.4
21	—	3.1	13.9	—	2.6	—	—	—	5.7	13.0	—	6.9
22	0.2	—	—	14.3	8.2	4.4	—	—	—	1.1	—	12.6
23	22.5	80.2	—	15.2	4.7	9.8	—	3.7	1.3	7.5	17.5	—
24	1.0	1.0	—	11.5	6.2	—	1.0	3.4	23.1	1.3	4.1	—
25	—	1.2	1.5	0.2	0.1	—	0.1	2.8	4.7	59.7	—	24.3
26	5.5	0.2	—	—	1.5	2.9	1.2	1.2	1.1	10.6	17.1	1.8
27	—	—	—	0.6	—	—	—	—	45.3	0.9	1.5	—
28	0.2	1.4	—	—	0.9	0.2	—	—	19.8	6.9	—	8.7
29	—	—	—	—	7.9	—	—	21.7	3.2	0.1	1.3	—
30	—	—	—	—	—	1.0	1.5	—	6.3	12.0	—	2.8
31	—	—	—	—	—	0.7	—	—	—	—	—	11.1
Suma Mensal	203.2	152.2	43.2	207.5	88.3	101.2	95.7	163.7	104.9	264.8	128.5	99.6
Días lluviosos	15	18	8	22	21	17	17	22	19	24	15	18
Total: días lluviosos 216												
TOTAL DEL AÑO 1.652.8 m.m.												
TOTAL DEL AÑO 1.823.3												

ESTACION : LA FLORESA FRECUCENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM. AÑO: 1962

MESES	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	TOTAL
ENERO	3	1	3	7	7	6	1	1	1	-	1	2	1	1	2	2	3	2	2	1	2	1	3	4	18
FEBRERO	2	4	6	6	5	5	3	4	-	-	1	3	2	2	2	-	1	9	2	2	2	2	1	1	19
MARZO	1	1	1	3	2	4	3	2	1	1	2	2	1	-	1	-	3	1	-	-	-	-	-	-	9
ABRIL	3	3	5	6	7	7	6	5	2	-	1	3	2	5	4	5	7	7	3	6	7	6	4	3	21
MAYO	2	3	6	5	4	3	1	1	-	-	1	4	5	2	2	5	6	5	2	4	4	1	-	-	20
JUNIO	5	2	-	3	1	1	1	1	-	-	1	1	4	4	5	2	7	0	4	2	3	1	-	-	19
JULIO	3	3	3	1	1	1	-	-	-	-	-	-	1	1	1	6	3	4	4	1	3	3	4	2	17
AGOSTO	9	7	5	3	6	5	4	3	2	-	-	-	3	2	6	7	6	2	1	2	3	3	4	4	25
SEPTIEMBRE	5	8	4	5	4	3	2	2	1	1	-	-	-	1	2	4	2	2	2	3	4	2	5	6	20
OCTUBRE	7	7	8	15	13	11	9	6	6	4	2	3	3	2	3	-	6	5	3	3	3	5	2	9	22
NOVIEMBRE	5	4	6	4	4	3	1	-	1	1	1	3	2	1	-	2	2	1	1	-	2	2	3	5	16
DICIEMBRE	1	4	3	1	2	3	2	-	-	-	1	2	2	1	1	4	5	4	2	1	-	1	1	2	18
SUMA ANUAL	45	48	70	59	56	52	32	23	18	9	10	12	24	23	27	36	50	54	27	27	31	27	27	42	228

Frecuencia Horaria del Brillo Solar

MESES	Frecuencia a Pleno Sol												Frecuencia sin Sol												
	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	
ENERO	-	1	12	7	9	7	8	5	6	9	4	-	28	10	4	5	7	5	3	3	5	6	8	10	27
FEBRERO	-	2	7	5	4	4	3	6	7	4	5	-	24	15	12	13	11	5	7	5	9	5	9	9	21
MARZO	-	4	6	8	1	2	6	6	7	10	5	-	27	12	10	9	7	10	7	5	4	9	10	10	26
ABRIL	-	7	4	7	5	5	2	2	3	5	3	1	20	21	15	11	12	9	8	7	9	11	15	19	21
MAYO	-	6	10	7	7	5	2	3	3	2	1	-	16	10	11	7	7	6	7	8	8	8	12	14	23
JUNIO	1	14	21	20	18	12	10	7	7	4	1	-	7	5	7	5	6	5	3	8	19	9	16	19	19
JULIO	-	6	11	10	9	10	6	6	5	8	3	-	11	6	5	2	4	1	3	4	5	9	12	17	17
AGOSTO	-	5	10	7	9	12	8	6	4	6	6	-	15	9	7	6	5	4	5	5	5	7	15	21	21
SEPTIEMBRE	-	5	7	7	6	8	3	6	7	5	6	-	17	12	7	6	5	4	6	4	3	1	10	17	17
OCTUBRE	-	4	9	8	5	5	4	5	7	4	5	-	21	16	11	11	9	8	8	6	8	11	13	21	21
NOVIEMBRE	-	1	16	8	10	6	7	7	10	0	-	-	27	7	6	7	5	6	7	3	5	5	6	16	16
DICIEMBRE	-	1	12	104	94	83	65	62	69	49	43	1	30	4	2	2	4	6	2	2	15	3	2	31	31
SUMA ANUAL	1	61	121	104	94	83	65	62	69	49	43	1	243	177	95	83	83	69	66	62	86	90	132	255	

D	SUMAS HORARIAS DE BRILLO SOLAR												PRECIPITACION									
	0-7	7-8	8-9	8-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	SUMA MENSUAL	DIAS LUVIOSOS	MAXIMA mm	* DIA						
ENERO	0.3	11.6	16.1	18.9	16.0	17.2	17.9	15.9	18.1	18.4	12.2	0.8	82.3	83.3	165.6	247.3	10.4	45.5	203.2	15	71.2	11
FEBRERO	0.4	7.1	10.3	9.2	9.5	10.9	11.4	13.1	13.5	12.7	11.9	1.2	47.4	63.8	111.2	66.2	5.6	79.0	152.2	18	80.2	23
MARZO	0.6	8.1	12.4	14.2	11.1	11.6	14.9	15.2	15.6	16.0	13.5	0.8	58.0	76.0	134.0	34.0	5.6	5.0	43.2	8	23.9	1
ABRIL	4.1	6.0	9.2	11.4	9.5	10.1	11.9	10.5	11.1	11.4	8.5	4.6	52.3	58.0	110.3	89.5	13.7	111.3	207.5	22	45.2	16
MAYO	4.7	11.2	15.2	15.9	16.6	13.7	14.0	11.7	12.5	12.0	8.3	3.8	77.3	82.3	139.6	28.6	28.2	30.8	88.3	21	11.5	3
JUNIO	7.4	14.2	17.7	17.3	18.8	15.0	15.6	13.2	11.9	11.4	8.9	4.0	90.4	65.0	155.4	13.4	62.6	25.9	101.2	17	59.4	1
JULIO	10.2	20.5	23.9	25.0	23.8	22.4	20.8	16.9	16.2	12.3	8.1	4.1	125.8	78.4	204.2	37.2	3.8	54.0	95.7	17	24.0	3
AGOSTO	5.1	12.4	18.6	18.3	16.6	18.7	17.5	16.7	16.6	13.2	9.1	3.6	89.7	76.7	166.4	87.9	3.8	72.7	163.7	22	47.0	11
SEPTIEMBRE	3.4	11.7	16.2	17.1	18.6	19.7	16.0	15.5	18.8	13.3	12.8	4.6	86.7	86.0	172.7	46.2	13.6	104.9	19	23.1	24	
OCTUBRE	1.1	8.5	12.8	13.5	13.2	13.5	12.7	13.7	14.4	12.8	12.1	2.3	62.6	68.0	130.6	198.9	64.0	12.9	264.8	24	59.7	25
NOVIEMBRE	0.3	13.2	16.3	16.9	13.9	13.8	13.4	15.9	16.6	15.2	14.9	2.0	74.4	76.0	152.4	111.1	5.4	9.5	128.5	15	32.3	18
NOVIEMBRE	0.8	15.4	23.5	20.3	16.1	17.4	17.5	18.3	17.7	17.8	16.1	-	93.5	87.4	180.9	47.6	7.5	47.3	99.6	18	24.3	25
SUMA ANUAL	38.4	142.1	194.2	198.0	183.7	184.0	183.6	176.6	183.0	171.5	136.4	31.8	940.4	882.9	1823.3	75.1	18.7	44.0	137.7	216	41.8	-

SUMAS HORARIAS DE LA PRECIPITACION

MESES	SUMAS HORARIAS DE LA PRECIPITACION																				TOTAL					
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	8-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20		20-21	21-22	22-23	23-24	
ENERO	0.6	0.4	9.5	96.5	21.4	3.3	3.7	6.3	0.3	-	0.9	2.3	0.1	0.5	1.4	1.4	0.9	35.9	5.5	0.5	0.7	2.9	7.8	203.2		
FEBRERO	5.9	21.0	5.7	14.1	7.8	4.3	3.6	2.2	1.1	-	0.4	1.3	0.6	12.6	-	0.1	0.9	49.5	15.9	1.6	1.3	0.1	1.2	151.2		
MARZO	0.3	0.2	9.7	7.6	1.8	8.0	3.2	1.2	0.8	1.5	0.9	1.1	0.1	-	1.5	-	3.3	0.2	-	-	-	-	2.5	0.3	44.2	
ABRIL	2.1	8.7	7.2	3.3	22.0	9.8	14.0	3.7	1.0	-	2.5	0.1	4.0	6.0	45.8	26.9	12.6	1.4	3.7	20.9	4.5	4.1	4.0	2.8	207.5	
MAYO	1.6	6.4	4.0	1.1	3.4	3.2	1.5	0.5	1.4	2.9	3.9	7.0	12.2	0.3	1.7	8.2	6.7	4.7	0.7	8.8	4.9	0.1	-	0.4	87.6	
JUNIO	3.1	1.5	-	0.5	0.1	0.2	4.8	1.8	-	-	4.6	46.2	7.4	2.6	2.7	1.3	14.1	6.2	1.1	0.5	0.9	0.5	-	1.8	101.9	
JULIO	3.7	3.5	3.5	9.4	3.3	0.1	-	-	-	-	-	3.7	0.1	2.9	25.9	0.8	5.8	16.5	2.1	4.1	5.3	2.1	2.8	95.6		
AGOSTO	11.4	5.5	14.5	4.1	18.5	21.6	1.3	1.6	0.7	-	-	-	1.3	6.1	13.8	50.4	0.8	1.3	0.3	0.7	1.5	5.6	2.6	163.8		
SEPTIEMBRE	3.8	5.4	2.8	5.6	2.4	3.3	3.7	2.0	1.3	0.2	-	-	10.1	10.4	11.0	11.0	0.2	0.2	1.0	2.0	0.5	7.5	9.2	93.6		
OCTUBRE	25.4	35.6	17.6	32.4	25.5	19.9	13.3	15.6	8.2	2.6	5.1	18.4	3.9	10.2	1.7	-	4.2	4.4	1.9	0.7	0.7	16.0	1.3	11.2	275.8	
NOVIEMBRE	9.9	4.8	27.2	16.0	16.7	0.9	0.1	-	0.1	1.3	0.3	0.9	1.2	1.6	-	1.0	0.7	7.0	0.8	-	0.8	0.9	6.3	27.5	126.0	
NOVIEMBRE	0.1	5.0	0.3	0.6	0.4	28.3	-	-	-	-	4.8	1.1	0.4	1.2	0.1	26.2	6.0	16.5	0.3	0.2	-	2.8	0.2	7.5	102.4	
SUMA ANUAL	67.9	100.0	102.0	191.2	1237.3	102.9	-	-	51.1	14.9	8.5	23.0	77.5	30.7	34.5	85.9	115.7	109.3	49.0	111.9	55.9	20.7	33.7	32.5	75.1	1.652.8

RESUMEN DE ALGUNAS CARACTERISTICAS DE LA PRECIPITACION

Estación: La Floresta

Año 1.969

MESES	TOTAL				No. PRECIPITACIONES		CANTIDAD		DURACION			PRECIPITACION MAXIMA					DURACION MAXIMA				
	m. m.	Días	Día	Noche	Total	Total	Día	Noche	Total	m. m.	Durac.	Int. Med.	Int. Max. 6/m.	Int. Max. 1/m.	h. min.	m. m.	Int. Med.	Int. Max. 5 min.	Int. Max. 1 min. (calc.)		
Enero	203.2	15	13	19	32	56.0	10:30'	24:05'	34:35'	76.3	6:10'	0.21	9.5	1.9	6:10'	76.3	0.21	9.5	1.9		
Febrero	152.2	18	15	23	38	84.6	10:25'	25:05'	35:30'	64.7	1:40'	0.65	10.0	2.0	5:10'	15.2	0.05	1.6	0.3		
Marzo	43.2	8	9	6	15	10.6	7:45'	7:20'	15:05'	17.0	2:00'	0.14	4.0	0.8	5:15'	7.3	0.02	0.6	0.1		
Abril	207.5	22	27	27	54	124.4	29:50'	40:30'	70:20'	44.3	7:00'	0.10	9.0	1.8	7:00'	44.3	0.10	9.0	1.8		
Mayo	88.3	21	23	17	40	59.1	20:55'	18:55'	39:50'	11.4	1:45'	0.11	4.0	0.8	4:45'	10.9	0.04	0.6	0.1		
Junio	101.2	17	26	14	40	88.5	21:15'	10:05'	31:20'	58.4	3:20'	0.29	9.7	1.9	3:20'	58.4	0.29	9.7	1.9		
Julio	95.7	17	18	11	29	57.8	13:25'	16:35'	30:00'	20.8	4:50'	0.07	1.5	0.3	4:55'	8.9	0.03	1.5	0.3		
Agosto	163.7	22	23	27	50	76.5	16:55'	28:50'	45:45'	45.3	2:10'	0.35	10.0	2.0	3:15'	2.0	0.01	0.2	-		
Septiembre	104.9	19	13	24	37	47.9	10:55'	34:55'	45:50'	21.1	1:15'	0.28	7.0	1.4	6:30'	12.1	0.03	6.4	0.1		
Octubre	264.8	24	27	39	66	76.7	26:50'	59:50'	86:40'	59.7	8:25'	0.12	7.0	1.4	8:25'	59.7	0.12	7.0	1.4		
Noviembre	128.5	15	8	20	28	14.9	7:30'	26:05'	33:35'	32.3	2:05'	0.26	4.0	0.8	3:40'	21.7	0.10	4.5	0.9		
Diciembre	99.6	18	17	13	30	54.6	11:35'	11:20'	22:55'	24.0	1:40'	0.24	8.0	1.6	2:35'	1.0	0.01	0.2	-		
TOTALES	1.652.8	216	219	240	459	751.8	187:50'	303:35'	491:25'	475.3	42:20'	0.22	8.0	1.6	61:00'	317.8	0.22	8.0	1.6		

ESTACION Yolombó (El Dolirio) Antioquia

DIA	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre
1	—	—	—	—	6.7	7.8	—	—	9.3	2.7	—	—
2	—	0.7	28.1	—	22.5	9.0	—	—	28.2	34.0	0.9	—
3	—	14.3	—	—	—	13.4	—	—	—	27.5	0.8	0.6
4	—	0.8	1.2	—	13.8	—	0.3	0.3	—	26.0	—	—
5	8.6	1.4	—	20.6	—	—	—	9.3	4.2	13.8	—	—
6	—	4.3	—	—	1.9	18.8	12.8	0.1	2.3	13.2	1.2	4.1
7	—	—	—	—	1.8	15.4	3.6	17.8	0.9	5.2	45.3	1.9
8	0.6	—	—	—	0.6	0.1	3.1	—	—	14.8	3.5	0.2
9	20.7	—	0.2	1.0	65.4	0.3	11.5	1.4	62.8	11.2	1.3	—
10	2.1	—	4.0	24.0	24.1	10.4	8.4	9.4	3.0	—	61.7	0.7
11	6.0	—	—	—	—	0.5	—	20.8	—	2.5	—	—
12	35.6	—	—	24.3	6.5	1.7	—	26.1	—	0.8	1.1	27.1
13	—	—	—	—	6.2	12.0	—	40.0	0.2	0.3	—	0.7
14	0.6	—	—	—	44.9	—	0.4	0.6	4.7	27.9	—	3.3
15	0.2	—	—	—	—	—	—	50.1	27.0	3.0	3.5	—
16	1.0	—	—	7.8	—	0.6	29.7	9.9	18.9	20.4	—	41.9
17	0.2	0.2	—	—	0.4	—	0.4	9.6	0.4	—	4.7	—
18	0.9	2.9	—	40.0	3.6	6.3	—	—	33.2	47.8	54.8	0.9
19	4.6	—	—	24.2	0.4	—	—	29.7	41.0	—	48.4	—
20	1.8	—	11.4	—	4.6	20.2	—	27.9	21.8	9.8	42.5	—
21	0.5	—	6.2	8.9	—	0.7	—	4.8	22.0	19.7	5.7	—
22	15.7	—	—	31.5	12.1	—	—	—	—	23.7	10.3	0.1
23	5.6	—	1.9	97.6	—	—	13.1	4.1	—	1.3	6.7	0.3
24	—	6.1	—	18.7	0.2	1.9	0.1	5.0	24.2	16.6	4.8	0.5
25	—	—	—	—	—	0.5	15.9	18.5	3.5	8.2	0.2	0.2
26	—	—	2.5	12.0	0.1	0.1	—	—	1.5	37.0	9.8	—
27	—	—	—	—	—	—	—	—	0.8	9.6	17.5	19.8
28	1.5	14.3	9.5	3.0	12.8	1.9	—	—	8.3	0.4	—	1.7
29	—	—	—	10.0	—	—	—	—	14.5	2.4	8.4	14.8
30	—	—	—	—	5.4	3.0	0.4	51.7	22.3	—	10.1	0.9
31	—	—	—	—	3.5	2.2	—	—	0.8	10.4	—	5.7
Suma Mensual	106.2	47.5	88.2	298.4	210.7	151.2	161.0	349.2	377.3	372.9	309.5	90.7
Días Lluviosos	—	10	12	17	19	21	17	26	22	27	21	16
Total, días lluviosos	225	TOTAL DEL AÑO 2,562.8 m.m.										
		TOTAL DEL AÑO 1,942.8										

ESTACION : EL NELEIRO FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM. A.S.O. : 1.952

MESES	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	8-10	10-11	11-12	12-18	18-14	14-15	15-16	16-17	17-18	18-18	18-20	20-21	21-22	22-28	28-24	TOTAL
ENERO	3	2	3	1	2	2	2	-	3	3	2	3	2	2	2	4	5	4	3	2	3	3	4	-	15
FEBRERO	1	1	1	1	1	1	-	1	1	-	1	3	2	1	2	-	-	-	1	2	2	1	-	-	8
MARZO	-	3	4	3	2	2	1	2	1	4	2	2	1	4	1	-	-	-	-	-	-	-	-	-	11
ABRIL	4	3	1	4	4	4	3	2	1	2	1	4	4	6	7	7	2	1	2	1	2	1	3	1	19
MAYO	5	6	6	5	3	2	3	3	3	1	2	2	2	2	3	1	2	2	1	1	1	1	2	3	16
JUNIO	4	3	3	6	8	8	9	6	2	-	-	3	3	3	1	3	2	2	3	5	5	4	2	2	22
JULIO	7	7	8	8	8	7	5	3	-	-	-	-	-	-	-	-	1	1	1	1	1	2	2	6	18
AGOSTO	14	15	18	17	15	9	10	4	5	2	1	-	-	1	-	-	1	1	1	5	4	2	2	8	87
SEPTBRE	9	12	13	14	14	13	11	4	-	1	1	-	1	-	1	1	2	6	6	3	1	6	3	4	23
OCTUBRE	10	8	9	7	7	4	4	10	7	4	4	7	3	5	7	6	7	7	7	8	7	11	12	11	89
NOVIEMBRE	6	6	8	6	6	5	1	2	1	1	1	4	1	-	4	5	7	5	8	9	8	5	8	5	24
DICIEMBRE	1	2	-	1	1	2	4	1	1	1	-	-	2	4	6	1	1	3	3	1	1	1	2	1	15
SUMA ANUAL	64	68	74	74	73	66	52	38	27	19	13	23	18	27	27	20	30	38	39	33	34	43	40	45	229

Frecuencia Horaria del Brillo Solar

MESES	Frecuencia a Pleno Sol												Frecuencia sin Sol											
	6-7	7-8	8-9	8-10	10-11	11-12	12-18	18-14	14-16	15-16	16-17	17-18	6-7	7-8	8-9	9-10	10-11	11-12	12-18	18-14	14-15	15-16	16-17	17-18
ENERO	-	1	5	4	6	5	11	12	13	11	9	-	25	9	8	5	5	6	7	8	7	9	12	18
FEBRERO	-	-	5	3	8	7	12	15	15	11	3	-	25	10	9	1	1	2	2	1	1	1	2	16
MARZO	-	1	5	4	5	8	8	11	11	11	1	-	27	17	14	9	7	7	5	5	4	5	9	25
ABRIL	-	1	3	7	4	3	4	6	6	6	2	-	28	17	17	16	13	12	7	7	8	10	20	25
MAYO	-	-	1	7	10	11	11	9	12	10	6	-	31	25	20	16	9	8	9	8	7	9	11	18
JUNIO	-	1	6	4	9	10	11	12	11	8	3	-	20	12	12	9	7	8	8	4	2	5	11	20
JULIO	-	7	14	18	24	23	26	25	27	22	13	-	17	10	7	1	-	-	1	-	-	1	3	11
AGOSTO	-	1	3	5	11	12	15	18	14	11	6	-	30	23	15	8	7	7	4	-	-	5	5	17
SEPTBRE	-	6	12	12	11	10	15	12	12	8	4	-	20	11	8	8	6	6	2	5	6	11	10	25
OCTUBRE	-	2	3	5	13	13	9	8	8	4	2	-	26	23	11	9	5	7	7	10	10	13	15	29
NOVIEMBRE	-	1	4	10	16	21	14	14	9	6	4	-	25	9	4	7	3	1	1	1	4	5	13	21
DICIEMBRE	-	2	5	7	9	11	12	15	9	8	2	1	25	5	4	6	4	3	3	3	4	5	6	22
SUMA ANUAL	-	23	64	86	125	134	148	157	147	116	55	1	299	171	129	95	67	67	55	53	53	79	117	247

RESUMEN MENSUAL Y ANUAL

ESTACION: El Dolero

D	SUMAS HORARIAS DE BRILLO SOLAR												PRECIPITACION									
													SOMA MENSUAL		SOMA		MAXIMA					
	7-8	8-9	9-10	10-11	11-12	12-18	18-4	14-15	15-18	16-17	17-18	SOMA MAÑANA	SOMA TARDE	SOMA MENSUAL	mm	DA						
ENERO	1.1	8.7	12.9	13.7	16.0	15.6	19.1	17.4	17.8	15.9	12.8	5.0	68.0	88.0	156.0	37.3	43.5	25.4	106.2	17	35.6	12
FEBRERO	0.7	8.6	12.1	13.7	16.4	16.9	20.7	23.6	23.1	22.3	16.2	2.9	68.4	108.8	177.2	14.5	14.2	4.5	47.5	10	14.3	7
MARZO	0.7	6.1	11.3	12.7	15.2	18.3	17.9	19.6	20.8	18.6	12.1	1.3	64.3	90.3	154.6	41.3	60.7	0.5	88.2	12	26.1	2
ABRIL	0.7	5.3	6.3	9.9	8.6	9.7	12.1	13.5	13.8	11.6	6.4	1.5	40.5	58.9	99.4	114.3	32.8	151.3	298.4	17	97.6	23
MAYO	-	1.4	5.6	11.8	15.3	17.0	15.8	17.1	19.2	17.4	11.8	4.5	51.1	85.8	136.9	96.0	40.1	72.4	210.7	19	65.4	9
JUNIO	1.2	6.4	10.9	11.6	14.1	15.1	17.1	17.3	14.6	8.6	2.0	2.0	59.3	74.9	134.2	97.6	14.6	41.2	151.2	21	28.5	2
JULIO	4.2	13.2	19.4	24.6	28.9	28.5	28.6	28.5	29.3	26.7	19.5	8.9	118.8	141.5	260.3	142.7	0.3	17.2	161.0	17	51.7	30
AGOSTO	0.1	3.8	8.4	15.3	18.1	18.0	21.8	24.1	25.9	20.5	15.6	4.2	63.7	112.1	175.8	268.6	25.7	45.3	349.2	26	50.1	15
SEPTIEMBRE	3.1	12.1	17.0	17.9	17.4	16.1	20.2	19.0	17.1	13.8	8.8	2.1	83.6	81.0	164.6	135.9	1.1	70.7	377.3	22	62.8	9
OCTUBRE	1.0	4.9	9.3	13.5	19.3	19.7	17.5	14.2	14.9	11.0	8.3	0.3	67.7	66.2	133.9	209.9	74.3	88.3	372.9	27	47.8	18
NOVIEMBRE	1.3	10.4	12.0	17.2	22.5	26.1	23.5	21.4	18.1	15.3	11.8	1.8	89.5	91.9	181.4	146.1	20.2	140.7	309.5	21	61.7	10
DICIEMBRE	0.9	10.2	15.5	19.5	17.7	19.0	21.2	22.0	17.9	15.2	11.0	2.4	78.8	89.7	168.5	14.1	26.4	45.4	90.7	16	41.9	16
SUMA ANUAL	15.0	91.1	140.7	177.4	209.5	220.0	233.7	237.5	235.2	202.9	142.9	36.9	853.7	1089.1	1942.8	125.0	29.5	58.6	213.6	225	48.3	-

SUMAS HORARIAS DE LA PRECIPITACION

MESES	SUMAS HORARIAS DE LA PRECIPITACION																				TOTAL				
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-18	18-14	14-15	15-18	16-17	17-18	18-19	18-20		20-21	21-22	22-29	29-24
ENERO	9.8	12.3	2.8	0.1	3.5	4.1	1.9	-	9.1	10.4	5.8	13.3	2.7	2.2	2.1	8.5	9.9	1.7	2.8	0.4	0.9	1.0	0.9	-	106.2
FEBRERO	0.7	9.3	0.6	0.2	0.7	0.1	-	0.1	1.1	-	1.2	6.8	4.3	1.7	3.2	-	-	-	-	0.6	0.7	2.8	0.1	-	33.2
MARZO	-	7.7	18.4	5.5	2.8	6.4	0.5	16.3	4.8	29.4	1.2	0.3	1.7	7.0	0.5	-	-	-	-	-	-	-	-	-	102.5
ABRIL	21.5	1.8	5.5	13.3	8.3	5.6	2.9	6.7	8.7	3.3	1.4	11.9	0.4	0.4	21.5	2.8	10.1	61.5	54.5	0.9	7.8	14.4	13.0	20.2	298.4
MAYO	8.9	22.2	7.9	6.3	2.7	1.4	2.0	1.4	1.1	0.1	1.1	18.0	13.4	5.0	6.6	7.6	43.5	14.4	0.2	0.1	10.9	5.5	18.3	9.9	208.5
JUNIO	5.7	9.4	1.1	3.3	8.9	20.6	6.3	6.1	1.5	-	-	4.1	2.1	0.8	4.3	0.8	16.8	3.5	6.7	9.1	14.1	2.7	20.2	5.3	153.4
JULIO	26.1	19.7	29.2	10.9	14.3	12.3	5.6	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	168.3
AGOSTO	30.5	48.8	47.7	49.6	25.8	19.3	10.0	17.9	6.0	0.7	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	339.5
SEPTIEMBRE	45.8	76.1	31.3	41.5	22.2	14.9	3.8	0.6	-	0.1	0.3	-	0.1	-	-	-	-	-	-	-	-	-	-	-	387.7
OCTUBRE	7.8	20.9	15.8	9.1	4.8	2.8	4.8	13.8	17.2	13.1	4.6	7.1	16.2	2.3	2.9	20.1	4.5	13.2	25.6	22.0	32.3	22.8	25.1	63.8	372.6
NOVIEMBRE	4.7	5.5	21.2	18.3	5.7	1.6	0.6	0.4	0.6	0.3	-	1.5	0.4	17.0	0.5	-	-	-	-	-	-	-	-	-	6.4
DICIEMBRE	1.7	0.2	-	0.1	0.2	0.4	3.9	0.3	0.2	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85.8
SUMA ANUAL	163.2	233.9	181.5	158.2	99.9	89.5	42.3	63.9	49.3	59.7	16.6	63.0	47.1	54.3	61.6	41.2	132.1	207.3	168.3	112.4	123.8	88.0	143.1	176.9	2,557.1

RESUMEN DE ALGUNAS CARACTERISTICAS DE LA PRECIPITACION

Estación: El Delirio

Año 1.969

MESES	TOTAL			No. PRECIPITACIONES		CANTIDAD		DURACION				PRECIPITACION MAXIMA				DURACION MAXIMA				
	m. m.	Días	No. m.	Día	Noche	Total	Noche	Día	Noche	Total	m. m.	Durac.	Int. Med.	Int. Max. 5/m.	Int. Max. 1/m.	h. min.	m. m.	Int. Med.	Int. Max. 5 min.	Int. Max. 1 min. (cale.)
Enero	106.2	17	16	17	33	68.7	37.5	20:55'	15:15'	36:10'	35.5	7:35'	0.08	3.0	0.6	7:35'	35.5	0.08	3.0	0.6
Febrero	47.5	10	10	7	17	18.1	29.4	4:40'	7:30'	12:10'	14.3	1:40'	0.14	3.2	0.6	1:55'	10.6	0.09	2.0	0.4
Marzo	88.2	12	10	5	15	61.2	27.0	10:30'	9:35'	20:05'	28.1	1:35'	0.30	4.0	0.8	4:10'	19.5	0.08	4.0	0.8
Abril	298.4	17	23	11	34	184.1	114.3	28:15'	22:45'	51:00'	96.6	15:40'	0.10	7.0	1.4	15:40'	96.6	0.10	7.0	1.4
Mayo	210.7	19	13	19	32	112.5	98.2	12:55'	31:35'	44:30'	65.0	2:10'	0.50	10.0	2.0	5:55'	12.8	0.04	0.9	0.2
Junio	151.2	21	21	28	49	55.8	95.4	16:50'	41:05'	57:55'	17.6	3:40'	0.08	2.8	0.6	5:55'	12.9	0.04	0.8	0.2
Julio	161.0	17	3	27	30	17.3	143.7	1:25'	45:10'	46:35'	32.8	4:25'	0.12	8.3	1.7	5:35'	12.9	0.04	0.6	0.1
Agosto	349.2	26	15	40	55	71.0	278.2	14:40'	92:35'	107:15'	50.1	10:55'	0.08	5.0	1.0	10:55'	50.1	0.08	5.0	1.0
Septbre.	377.3	22	13	36	49	71.3	306.0	13:55'	73:15'	87:10'	62.2	6:25'	0.16	10.5	2.1	11:25'	33.4	0.05	7.0	1.4
Octbre.	372.9	27	48	37	85	162.5	210.4	50:15'	67:20'	117:35'	47.8	1:35'	0.50	10.5	2.1	10:30'	18.2	0.03	0.6	0.1
Novbre.	309.5	21	19	32	51	160.9	148.6	22:15'	51:25'	73:40'	60.6	5:00'	0.20	10.5	2.1	9:10'	40.9	0.07	3.0	0.6
Dicbre.	90.7	16	17	9	26	71.8	18.9	14:45'	8:15'	23:00'	32.9	3:40'	0.15	6.5	1.3	3:40'	32.9	0.15	6.5	1.3
TOTALES	2.562.8	225	208	268	476	1.055.2	1.507.6	211:20'	465:45'	677:05'	543.5	64:20'	XX	XX	XX	92:25'	376.3	XX	XX	XX

DIA	ENERO	FEBRERO	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOSTO	SEPTIEMBRE	OCTUBRE	NOVIEMBRE	DICIEMBRE
1	2.7	2.3	2.3	5.4	5.5	0.7	4.3	2.1	7.3	2.5	3.7	4.9
2	4.1	5.6	0.2	2.8	6.4	5.9	6.8	6.8	9.1	4.4	7.7	4.6
3	9.8	5.8	4.1	0.7	3.7	3.4	2.1	7.2	8.6	7.7	7.9	4.5
4	8.1	2.1	1.2	—	1.4	1.5	10.7	7.7	11.2	0.1	7.8	4.9
5	6.9	4.2	0.3	5.0	3.3	6.4	7.6	4.4	8.7	3.2	6.1	2.9
6	7.4	3.5	7.4	2.3	4.7	6.2	8.6	5.0	6.4	7.2	8.8	3.1
7	8.6	3.4	7.5	5.2	4.3	4.8	3.6	5.1	5.3	4.7	7.8	4.7
8	7.0	4.4	1.8	4.1	2.8	6.9	9.1	4.0	7.3	4.7	3.6	5.2
9	6.1	3.0	6.1	3.8	2.4	1.8	7.1	2.4	8.9	1.3	2.9	8.5
10	5.9	5.1	2.7	5.9	3.5	6.6	8.1	4.2	0.2	4.7	2.1	5.4
11	4.4	5.2	1.4	2.2	6.8	3.0	7.0	5.5	9.7	2.4	5.9	5.1
12	0.3	6.9	2.7	6.8	9.1	7.2	9.6	3.2	8.1	1.9	3.0	4.9
13	2.0	8.1	3.3	6.9	4.7	8.0	10.4	2.8	9.9	3.6	5.7	5.0
14	2.3	8.0	4.6	4.7	2.8	1.6	9.1	6.7	10.3	2.4	7.0	3.8
15	0.3	8.0	8.1	2.8	2.6	7.5	9.0	3.2	6.5	0.6	2.6	7.0
16	3.7	8.7	7.2	1.9	8.2	7.6	6.5	4.6	2.9	1.3	7.8	6.9
17	6.9	5.3	5.6	2.5	6.4	3.9	8.9	2.6	3.6	6.9	8.3	2.7
18	4.5	3.0	6.2	4.3	5.7	4.1	11.0	5.2	3.8	5.6	7.5	6.4
19	3.2	2.3	4.8	2.5	6.9	4.0	9.2	6.8	1.4	5.0	8.9	5.5
20	3.6	0.1	3.0	6.0	4.7	2.3	9.1	4.9	3.5	7.6	2.2	4.7
21	5.5	6.9	4.5	4.1	2.8	1.9	7.2	4.7	6.2	4.8	6.4	5.1
22	6.1	2.5	6.5	—	8.5	8.9	10.3	6.2	6.6	3.7	2.1	7.8
23	2.1	4.2	1.2	5.2	1.1	7.0	8.2	4.9	5.0	6.3	3.3	6.3
24	4.6	3.2	7.8	0.3	10.0	6.1	6.9	1.5	3.4	2.0	3.0	7.2
25	3.4	3.9	5.7	1.2	7.0	4.6	6.4	3.2	2.5	4.8	5.1	6.8
26	6.6	5.6	4.4	6.9	3.0	4.8	6.9	4.5	6.9	6.9	5.3	5.9
27	4.3	5.4	5.0	7.5	4.7	2.4	9.7	4.4	5.4	—	8.0	5.4
28	6.9	4.1	3.5	8.1	3.9	4.5	9.1	5.6	4.8	5.1	6.4	9.5
29	3.0	—	5.7	2.7	3.0	2.2	6.0	8.4	5.4	5.3	4.8	3.9
30	4.9	—	1.7	6.9	2.3	3.3	0.1	6.5	6.2	5.0	6.8	7.5
31	6.6	—	5.0	—	1.4	—	—	—	—	—	6.3	—
Suma Mensual	149.8	131.5	137.5	118.7	143.0	147.1	240.2	147.1	194.1	132.0	176.1	169.6
Dias Lluviosos	14	16	21	26	24	22	3	20	18	26	27	18
TOTAL DEL AÑO 1.886.7												

Total: días lluviosos 255

TOTAL DEL AÑO 2.469.8 m.m.

ESTACION : YAGOTZ

FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.

Año: 1969

MESES	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	TOTAL
ENERO	2	6	2	3	1	3	3	3	2	-	-	1	2	2	2	2	5	4	3	4	3	2	1	2	12
FEBRERO	5	4	3	4	1	2	1	1	2	-	-	-	1	2	4	1	2	4	3	3	3	4	5	5	15
MARZO	3	5	1	-	1	2	1	1	1	-	-	2	3	4	4	4	5	8	5	7	6	4	2	2	21
ABRIL	6	7	7	6	5	4	4	2	5	1	-	3	3	6	10	11	9	12	10	9	11	9	9	10	28
MAYO	6	7	6	3	4	3	3	3	6	3	1	1	4	4	3	4	5	3	3	4	5	7	6	6	23
JUNIO	6	4	1	1	2	3	1	1	-	-	-	1	2	3	6	7	6	10	9	9	2	4	3	4	22
JULIO	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	3
AGOSTO	7	9	6	5	2	3	1	1	-	1	-	1	1	4	2	7	6	4	3	4	5	5	7	3	22
SEPTIEMBRE	7	9	8	7	7	8	3	1	1	1	1	-	-	3	2	4	3	1	6	6	9	8	8	9	21
OCTUBRE	11	11	12	14	13	12	10	8	6	3	3	4	4	2	5	5	3	6	4	7	10	9	8	9	28
NOVIEMBRE	11	11	9	7	6	6	7	3	2	1	1	1	1	1	2	2	4	4	5	9	8	10	7	9	26
DICIEMBRE	4	3	7	4	6	3	1	1	1	-	-	1	2	1	1	2	2	6	6	9	7	8	6	6	20
SUMA ANUAL	62	70	63	54	48	49	35	25	26	12	6	14	23	32	38	50	53	63	58	71	70	71	63	66	241

Frecuencia Horaria del Brillo Solar

MESES	Frecuencia a Pleno Sol												Frecuencia sin Sol											
	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18
ENERO	-	1	5	6	5	5	6	5	5	4	3	-	31	16	8	5	4	4	4	5	3	8	5	19
FEBRERO	-	1	2	6	9	6	5	0	6	1	2	-	29	11	9	4	3	3	2	2	4	3	12	22
MARZO	-	1	7	11	7	5	6	3	4	1	2	-	29	19	5	4	2	5	7	6	11	13	18	26
ABRIL	-	1	3	8	0	7	6	6	6	4	3	-	28	19	15	13	6	5	6	8	11	15	19	24
MAYO	1	-	9	7	4	5	7	3	3	5	2	-	22	15	7	5	6	6	6	4	7	9	13	20
JUNIO	-	3	10	6	8	5	5	1	2	2	4	-	16	14	7	3	2	3	3	5	7	10	14	19
JULIO	-	10	18	15	14	15	8	8	6	10	8	-	4	4	3	1	2	1	-	1	2	4	4	7
AGOSTO	-	1	6	8	6	5	3	1	1	3	1	-	27	15	8	4	2	-	4	6	6	7	16	22
SEPTIEMBRE	-	5	10	15	19	15	13	8	10	10	6	-	18	12	5	3	2	1	2	3	4	7	6	20
OCTUBRE	-	2	9	4	6	7	6	6	3	2	-	-	29	20	15	8	9	6	8	7	5	9	13	22
NOVIEMBRE	-	1	5	14	16	16	7	10	8	7	2	-	28	16	5	3	3	2	4	3	2	3	8	12
DICIEMBRE	-	1	6	10	12	16	8	6	4	-	2	-	30	12	5	3	1	2	2	2	2	2	2	8
SUMA ANUAL	1	25	63	115	112	106	61	65	63	52	35	-	287	173	92	56	44	38	48	52	64	90	136	233

RESUMEN MENSUAL Y ANUAL

AÑO: 1.969

ESTACION: Teopipil

MES	SUMAS HORARIAS DE BRILLO SOLAR												PRECIPITACION														
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	SUMA MENSUAL	SUMA MENSUAL	SUMA MENSUAL	7	14	20	SUMA MENSUAL	SOSOLCHÁN	MAXIMA mm	DA
ENERO	-	5.3	11.2	15.7	16.5	18.2	19.8	17.8	17.8	12.2	11.8	3.7	66.9	82.9	149.8	17.0	3.1	33.5	53.6	14	19.4	14					
FEBRERO	0.8	5.2	10.5	14.7	17.7	16.7	16.8	16.8	14.2	10.1	7.2	0.8	65.6	65.9	131.5	97.7	4.0	12.2	113.9	16	26.1	6					
MARZO	0.5	4.3	15.4	20.2	20.6	17.5	15.6	14.4	12.2	9.9	5.6	1.3	78.5	59.0	137.5	66.5	16.0	111.8	194.7	21	34.6	25					
ABRIL	0.3	3.3	9.0	12.4	17.1	17.3	16.5	15.1	11.5	8.5	5.6	2.1	59.4	59.3	118.7	123.1	31.5	112.7	272.7	26	30.9	4					
MAYO	3.1	7.8	15.2	14.9	13.2	16.6	14.5	15.5	13.4	13.4	9.4	6.0	70.8	72.2	143.0	43.3	67.6	174.1	24	43.8	9						
JUNIO	3.7	8.7	16.6	16.6	18.8	17.9	15.4	14.6	12.1	9.7	7.4	5.6	82.3	64.8	147.1	30.9	8.6	177.1	216.3	22	43.6	6					
JULIO	10.4	19.1	23.7	24.8	25.1	23.7	20.4	21.3	20.9	20.1	18.9	11.8	126.8	113.4	240.2	1.0	-	11.3	12.3	3	10.5	31					
AGOSTO	2.2	6.2	16.0	19.5	19.2	16.7	16.5	13.9	15.0	13.9	6.2	1.8	79.8	67.3	147.1	70.4	2.1	70.6	145.5	20	29.3	16					
SEPTIEMBRE	3.6	10.5	18.1	22.5	23.6	23.9	22.0	19.1	18.1	16.5	12.9	3.3	102.2	91.9	194.1	256.4	34.8	108.5	398.1	18	139.6	26					
OCTUBRE	0.3	2.8	9.2	15.2	14.6	15.1	16.0	17.2	17.7	13.5	8.0	2.4	57.2	74.8	132.0	199.2	39.4	112.4	350.9	26	56.2	31					
NOVIEMBRE	0.2	5.6	14.5	21.5	22.1	21.9	16.9	19.5	20.3	17.4	11.5	4.9	85.6	90.5	176.1	277.6	28.2	75.1	386.1	27	51.7	19					
DICIEMBRE	0.1	8.0	15.7	18.4	22.3	24.6	20.0	18.4	16.5	15.0	8.3	2.3	89.1	80.5	169.6	73.4	10.1	74.0	151.6	18	32.3	4					
SUMA ANUAL	25.2	86.6	175.1	216.4	230.8	230.1	210.4	203.6	189.5	160.2	112.8	46.0	964.2	922.5	1886.7	1075.0	20.6	80.2	205.8	235	43.2	-					

SUMAS HORARIAS DE LA PRECIPITACION

MESES	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	TOTAL
ENERO	0.4	-	1.1	0.8	0.6	1.4	3.6	0.8	0.2	-	0.4	0.2	1.5	2.2	6.6	10.1	5.9	5.3	3.4	2.3	2.2	1.8	2.8	53.6	
FEBRERO	9.4	4.6	15.0	0.9	0.2	11.8	8.0	0.1	0.3	0.2	-	1.0	2.4	-	0.3	1.1	0.7	1.2	8.9	3.3	7.8	14.7	22.0	113.9	
MARZO	4.0	3.0	0.1	-	0.6	0.3	0.1	0.1	0.1	-	2.8	7.3	5.7	16.1	35.8	33.2	7.0	9.4	10.3	30.2	1.6	0.4	26.2	194.3	
ABRIL	24.3	13.9	4.4	1.1	2.3	9.3	2.1	0.4	0.5	1.0	-	2.7	3.1	25.8	23.6	13.3	31.3	70.2	9.1	6.2	26.2	27.0	11.8	4.5	273.1
MAYO	3.5	3.7	1.9	9.1	3.5	1.8	2.3	8.8	3.3	2.9	1.7	1.3	21.9	27.7	25.9	5.5	13.6	0.5	9.4	8.8	7.5	2.0	3.8	4	173.8
JUNIO	8.5	9.6	0.1	0.2	0.2	2.8	1.3	0.1	-	-	-	0.3	5.3	2.9	2.5	22.1	58.5	29.1	56.9	8.0	0.4	2.3	1.3	4.2	216.6
JULIO	4.7	4.7	10.8	1.5	0.5	4.9	2.1	0.1	-	0.1	-	-	-	-	0.6	6.7	3.0	0.2	0.8	-	0.4	0.2	0.2	12.3	
AGOSTO	4.7	4.7	10.8	1.5	0.5	4.9	2.1	0.1	-	0.1	-	-	-	-	6.6	22.3	29.3	8.3	2.6	1.5	28.7	11.4	2.6	0.8	145.4
SEPTIEMBRE	28.4	21.6	13.0	7.4	4.2	3.2	1.9	1.0	1.2	0.4	0.1	-	32.1	15.1	1.4	14.2	10.6	13.5	53.7	37.2	25.8	63.6	47.8	397.4	
OCTUBRE	20.4	14.0	19.5	29.7	25.0	24.2	13.3	10.9	4.0	2.5	2.1	3.7	8.8	7.4	12.2	15.7	9.3	43.4	18.1	13.7	3.5	24.3	7.3	18.7	351.7
NOVIEMBRE	18.6	66.1	25.8	27.8	14.5	4.9	8.0	5.3	1.9	0.5	0.3	-	4.1	16.1	14.6	1.7	1.4	14.4	28.3	14.7	21.5	27.0	21.9	47.3	384.8
DICIEMBRE	2.2	2.6	8.4	5.1	30.6	1.7	1.2	4.1	0.2	-	2.6	3.1	0.1	-	1.1	0.7	0.9	36.3	29.8	5.2	5.8	5.3	2.1	3.8	152.9
SUMA ANUAL	124.4	141.8	100.1	83.6	82.2	66.3	43.9	31.7	11.7	7.6	4.2	13.9	54.9	123.4	120.5	132.1	205.9	165.6	164.4	134.4	167.1	136.9	131.5	181.7	2.469.8

RESUMEN DE ALGUNAS CARACTERISTICAS DE LA PRECIPITACION

Estación: **Tacopí**

Año: **1.969**

MESES	TOTAL			No. PRECIPITACIONES		CANTIDAD		DURACION			PRECIPITACION MAXIMA				DURACION MAXIMA					
	m. m.	Dias	No. Precipitaciones	Dias	Noche	Total	Total	Dia	Noche	Total	m. m.	Duranc.	Int. Med.	Int. Max. 5/m.	Int. Max. 1/m.	h: min.	m. m.	Int. Med.	Int. Max. 5 min.	Int. Max. 1 min. (calc.)
Enero	53.6	14	16	13	29	36.3	17.3	18:00'	15:55'	33:55'	17.9	6:00'	0.05	0.8	0.2	6:00'	17.9	0.05	0.8	0.2
Febrero	113.9	16	18	18	36	16.4	97.5	10:25'	23:15'	33:40'	25.0	3:45'	0.11	4.2	0.8	3:45'	25.0	0.11	4.2	0.8
Marzo	194.7	21	25	21	46	127.8	66.9	26:45'	15:15'	42:00'	34.1	3:25'	0.17	7.0	1.4	5:05'	16.8	0.06	2.0	0.4
Abril	272.7	26	44	37	81	146.3	126.4	50:25'	50:55'	101:20'	23.4	2:10'	0.18	9.0	1.8	4:35'	12.2	0.04	1.2	0.2
Mayo	174.1	24	25	35	60	132.0	42.1	28:05'	32:45'	60:50'	28.7	1:15'	0.38	6.5	1.3	6:25'	15.3	0.04	3.0	0.6
Junio	216.3	22	30	18	48	186.0	30.3	36:05'	16:15'	52:20'	39.0	4:25'	0.15	5.5	1.1	4:25'	39.0	0.15	5.5	1.1
Julio	12.3	3	2	3	5	11.3	1.0	3:25'	2:35'	6:00'	10.5	3:00'	0.06	1.3	0.3	3:00'	10.5	0.06	1.3	0.3
Agosto	145.5	20	22	33	55	72.6	72.9	18:00'	32:50'	50:50'	27.0	2:05'	0.22	7.5	1.5	3:30'	8.1	0.04	1.4	0.3
Septre.	398.1	18	15	33	48	143.1	255.0	18:15'	63:45'	82:00'	114.9	7:20'	0.26	8.0	1.6	9:45'	16.2	0.03	1.4	0.3
Octbre.	350.9	26	36	53	89	151.9	199.0	40:25'	79:50'	120:15'	56.1	3:20'	0.28	10.1	2.0	10:00'	17.2	0.03	0.4	0.1
Novbre.	386.1	27	19	35	54	103.3	282.8	22:10'	66:45'	88:55'	51.7	10:25'	0.08	7.0	1.4	10:25'	51.7	0.08	7.0	1.4
Dicbre.	151.6	18	20	35	55	84.3	67.3	20:35'	32:05'	52:40'	29.3	1:35'	0.31	10.0	2.0	8:40'	14.6	0.03	0.6	0.1
TOTALES	2.469.8	235	272	334	606	1.211.3	1.258.5	292:35'	432:10'	724:45'	457.6	48:45'	0.22	7.5	1.5	75:35'	244.5	0.22	7.5	1.5

DIA	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre
1	2.2	—	3.4	1.0	—	2.6	9.8	—	5.1	11.7	—	0.9
2	—	0.3	7.5	13.1	6.3	15.2	3.3	—	5.3	37.9	26.2	2.0
3	—	8.3	—	—	—	22.3	1.3	0.2	—	35.4	—	0.3
4	—	2.9	5.6	101.4	14.6	0.6	0.7	31.3	—	—	0.4	32.3
5	0.5	1.3	—	17.6	2.4	0.2	—	0.5	—	—	2.3	1.0
6	—	—	—	24.0	—	0.1	2.1	—	2.7	11.1	66.3	0.9
7	—	10.7	—	—	0.2	2.0	0.1	—	—	—	22.2	—
8	—	0.3	—	13.8	0.3	2.1	—	39.7	0.2	8.8	7.7	1.2
9	—	2.5	—	2.5	49.9	—	—	4.7	1.0	3.7	12.1	1.4
10	2.8	—	0.7	12.6	11.7	12.1	4.9	—	—	2.3	18.7	24.9
11	3.2	—	—	30.6	4.9	—	0.2	—	—	32.5	3.7	—
12	7.5	5.5	0.2	28.4	0.2	0.3	—	0.3	—	5.0	0.9	8.0
13	1.4	—	1.2	13.9	0.7	3.5	—	0.3	—	17.7	—	2.5
14	21.3	0.3	—	6.6	32.0	—	—	2.0	—	2.4	13.5	0.2
15	5.1	—	4.5	15.1	—	0.4	0.9	—	—	35.8	2.3	—
16	1.0	1.5	—	12.4	5.1	0.1	—	4.9	14.8	2.3	8.7	—
17	2.0	19.4	—	13.1	0.7	11.3	—	1.1	22.7	0.7	12.9	1.8
18	0.5	17.1	—	0.9	0.1	1.0	—	0.6	17.6	0.1	7.2	4.4
19	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	0.4	10.5	14.1	7.2	—	1.8	9.3	4.1	—	0.4
21	5.4	—	9.0	8.3	4.9	0.3	—	6.1	23.0	21.5	0.8	1.0
22	3.1	1.0	—	28.5	3.3	9.1	—	2.2	0.1	0.5	0.9	—
23	35.9	4.3	—	8.8	0.1	2.9	—	3.6	—	60.4	38.0	—
24	—	2.9	—	28.2	1.5	2.7	—	0.4	—	0.3	2.7	0.8
25	0.6	—	—	—	1.4	—	—	—	—	—	—	—
26	29.0	—	—	2.5	—	0.2	5.3	11.6	8.0	4.7	10.0	13.4
27	—	—	—	—	—	—	—	—	—	—	—	—
28	0.2	—	11.5	8.8	9.4	0.6	9.2	—	38.0	37.0	—	—
29	—	—	—	0.2	5.7	37.2	—	—	6.0	10.0	2.5	2.6
30	—	—	—	31.9	0.6	6.5	0.4	—	6.4	0.5	8.3	—
31	—	—	—	0.1	16.5	—	0.4	0.2	2.2	21.4	11.6	—
31	—	—	—	6.7	—	114.7	—	—	—	—	30.1	—
Suma Mensual	121.7	116.1	82.7	450.1	312.9	111.6	59.1	206.0	238.3	338.8	268.3	85.0
Días con Lluvia	17	17	15	27	25	25	13	24	18	27	23	17
Totales/ días lluviosos	TOTAL DEL AÑO 2.390.6 m.m.											
TOTAL DEL AÑO 1.716.8												

ESTACION : EL JACQUE

FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM.

AÑO : 1959

MESES	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	8-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	TOTAL
ENERO	1	3	5	3	2	1	3	3	1	2	1	1	3	3	2	3	6	5	1	3	5	3	6	3	18
FEBRERO	3	3	5	5	3	5	4	2	1	-	1	1	-	-	4	4	4	4	3	1	-	-	2	3	18
MARZO	-	-	-	2	1	2	2	1	-	-	-	-	3	6	5	4	3	2	2	3	2	-	-	-	16
ABRIL	6	7	10	8	9	8	4	3	4	2	1	8	10	13	10	10	6	7	7	5	3	6	4	27	64
MAYO	5	6	6	7	6	2	1	2	2	2	2	5	11	11	5	2	1	1	1	1	1	7	3	4	24
JUNIO	5	6	7	5	6	5	3	-	1	-	1	3	10	10	7	3	4	5	4	3	3	1	4	3	24
JULIO	1	-	-	1	1	-	-	-	-	-	2	5	2	3	5	2	-	1	3	3	4	1	-	-	17
AGOSTO	8	8	5	6	7	6	4	3	2	1	1	1	5	4	3	3	3	3	3	3	1	4	2	2	26
SEPTBRE.	5	7	5	8	5	5	5	4	2	1	2	1	4	10	8	6	3	3	3	5	6	4	5	17	57
OCTUBRE	8	7	6	4	8	6	6	3	3	3	3	2	7	9	7	8	7	6	4	7	6	5	7	28	65
NOVBRE.	4	4	7	7	7	5	9	3	2	2	1	3	-	7	10	7	4	6	5	4	4	6	4	7	28
DICIEMBRE	3	2	3	5	3	3	2	2	1	2	1	2	2	5	5	5	2	1	-	1	1	-	1	4	18
SUMA ANUAL	49	53	57	61	57	49	47	27	18	17	12	22	57	77	79	65	90	42	32	37	32	34	40	38	253

Frecuencia Horaria del Brillo Solar

MESES	Frecuencia a Pleno Sol												Frecuencia en Sol											
	6-7	7-8	8-9	8-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18
ENERO	-	8	13	12	10	9	8	9	10	8	4	-	15	8	8	6	3	3	6	5	9	13	13	24
FEBRERO	-	5	4	9	6	7	7	10	8	7	5	1	13	8	5	2	2	1	1	6	7	9	10	17
MARZO	-	3	10	10	9	9	5	5	5	5	3	-	20	11	7	4	4	4	5	8	6	8	8	18
ABRIL	-	1	8	6	3	4	4	3	2	2	2	1	24	16	13	9	11	5	10	13	12	18	22	21
MAYO	-	4	7	9	7	6	2	3	3	1	4	-	24	11	8	7	7	8	3	11	14	13	15	17
JUNIO	-	3	5	7	4	2	1	3	7	2	-	-	16	10	9	3	3	6	7	11	5	12	19	25
JULIO	-	11	18	17	15	11	9	9	6	9	9	-	8	4	4	1	1	5	4	1	3	5	7	16
AGOSTO	-	2	5	10	6	4	5	2	5	7	3	-	26	15	8	4	5	6	10	4	5	7	11	19
SEPTBRE.	-	5	8	13	7	5	8	5	8	8	4	-	21	13	10	8	4	4	7	10	13	13	13	20
OCTUBRE	-	10	7	9	6	5	6	7	4	1	2	-	22	12	12	8	6	5	7	13	12	15	18	25
NOVIEMBRE	-	1	6	4	3	4	6	5	5	1	1	-	23	13	12	10	7	7	3	7	9	10	10	20
DICIEMBRE	-	3	8	6	5	4	6	8	1	2	1	-	25	11	10	9	7	5	5	7	9	11	14	22
SUMA ANUAL	-	96	99	112	81	70	67	73	64	53	38	2	237	130	106	71	60	59	68	96	104	134	164	244

RESUMEN MENSUAL Y ANUAL

ESTACION: EL JOAQUIN

DIA	SUMAS HORARIAS DE BRILLO SOLAR												PRECIPITACION										
	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	SUMA MAÑANA	SUMA TARDE	SUMA MENSUAL	7	14	20	SUMA MENSUAL	DIAS	MAXIMA		
Σ													SUMA MENSUAL	SUMA MENSUAL	SUMA MENSUAL	SUMA MENSUAL	SUMA MENSUAL	SUMA MENSUAL	SUMA MENSUAL	SUMA MENSUAL	SUMA MENSUAL	SUMA MENSUAL	SUMA MENSUAL
ENERO	3.8	14.0	17.1	20.5	21.7	18.9	17.7	17.3	13.9	12.3	11.1	1.7	96.0	74.0	170.0	88.4	11.9	21.4	121.7	17	35.9	23	
FEBRERO	3.2	10.3	14.8	16.2	17.8	17.6	18.8	16.1	14.6	12.7	11.1	4.6	79.9	71.9	137.8	73.4	4.2	38.5	116.1	17	20.3	17	
MARZO	2.2	10.7	16.8	19.8	18.6	18.7	17.4	16.1	13.7	12.6	10.8	4.1	86.8	74.7	161.5	16.3	7.9	57.3	82.7	15	31.9	29	
ABRIL	1.6	8.9	11.8	13.9	11.8	14.9	11.6	10.1	7.3	5.2	5.4	2.9	62.9	42.5	105.4	230.6	72.4	132.0	450.1	27	101.4	4	
MAYO	2.0	9.7	14.5	15.1	13.5	13.8	13.3	10.3	7.9	8.2	7.1	3.8	68.6	51.2	119.8	133.7	59.0	22.6	312.9	25	114.7	31	
JUNIO	4.0	9.1	13.4	19.0	16.1	9.7	8.9	11.4	13.4	9.0	4.6	0.8	71.3	48.1	119.4	158.6	39.5	27.4	111.6	25	22.3	3	
JULIO	7.5	22.4	24.3	23.5	21.3	20.5	15.4	19.3	17.2	16.4	16.4	6.6	119.5	91.3	210.8	7.6	8.9	31.9	59.1	13	23.6	31	
AGOSTO	1.1	7.6	13.9	19.7	16.6	13.8	11.8	14.6	16.5	15.4	10.5	3.8	72.7	72.6	145.3	189.9	7.6	17.2	206.0	24	39.7	8	
SEPTIEMBRE	3.6	11.0	14.8	16.6	15.1	14.9	13.8	14.7	14.0	12.9	9.0	3.4	76.0	66.8	142.8	130.2	30.0	56.5	338.3	18	40.9	25	
OCTUBRE	2.3	9.6	13.6	17.2	15.4	15.6	13.0	13.7	13.0	8.1	5.9	2.0	73.7	57.7	129.4	180.5	48.2	103.4	276.0	27	60.4	23	
NOVIEMBRE	1.5	8.8	9.3	10.8	12.5	13.6	18.0	17.3	12.6	9.8	6.9	2.1	56.5	66.7	123.2	188.4	22.4	87.6	268.3	23	66.3	6	
DICIEMBRE	1.4	11.2	14.0	13.7	13.7	14.9	15.4	16.4	11.2	10.3	7.1	2.1	68.9	62.5	131.4	32.6	13.4	39.0	85.0	17	32.3	4	
SUMA ANUAL	34.2	133.3	178.3	206.0	194.1	186.9	175.1	176.3	155.3	132.9	106.5	37.9	932.8	784.0	1716.8	119.2	27.1	52.9	199.2	248	49.1	-	

SUMAS HORARIAS DE LA PRECIPITACION

MESES	SUMAS HORARIAS DE LA PRECIPITACION																								TOTAL
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	
ENERO	2.6	4.2	18.9	6.1	0.7	1.5	1.1	0.5	0.3	3.4	0.1	0.3	3.0	4.3	2.0	1.8	9.1	4.4	0.9	3.2	10.0	2.5	26.1	4.7	121.7
FEBRERO	5.0	18.0	2.7	6.7	5.8	15.5	18.8	1.1	2.7	-	-	0.1	0.3	-	17.6	3.2	9.9	6.1	1.4	0.3	-	-	0.6	0.3	116.1
MARZO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82.7
ABRIL	22.5	17.1	20.1	33.8	27.4	39.9	19.2	2.7	0.8	1.3	0.8	0.7	16.6	49.5	56.8	53.5	3.6	5.7	4.6	7.8	2.9	10.9	18.0	17.6	433.8
MAYO	10.7	18.2	6.6	34.4	20.5	2.0	5.1	10.1	3.5	2.1	3.9	8.7	20.0	10.7	17.9	3.0	0.3	0.3	1.0	0.1	6.3	5.0	10.0	14.9	215.3
JUNIO	3.1	9.7	29.6	35.3	68.0	4.0	0.8	-	0.2	-	2.7	2.9	23.0	10.7	5.7	10.0	0.8	2.5	2.7	5.7	4.2	1.7	0.9	1.3	225.5
JULIO	0.9	-	-	0.1	1.1	-	-	-	-	-	-	0.5	2.4	6.0	9.2	9.5	1.3	-	0.5	11.4	0.9	3.0	1.7	-	48.5
AGOSTO	4.0	76.8	25.4	12.2	7.1	9.4	12.5	4.1	0.2	0.6	0.2	0.1	1.7	0.9	9.9	1.2	0.5	0.7	0.7	4.2	28.2	17.1	0.5	214.8	
SEPTIEMBRE	7.0	22.0	8.2	18.5	15.9	2.3	1.2	2.1	9.7	3.3	1.1	0.1	5.1	8.6	12.3	17.6	1.2	8.6	11.5	5.3	18.1	23.0	7.8	10.7	
OCTUBRE	35.2	20.1	19.1	21.4	13.5	6.6	13.2	10.6	1.7	0.8	-	1.2	7.5	26.4	16.3	31.8	9.1	9.2	4.5	32.5	6.3	8.2	16.4	22.4	
NOVIEMBRE	19.5	31.2	24.0	7.7	10.2	8.1	7.2	5.7	1.5	0.4	0.1	1.0	3.2	10.5	24.5	9.0	24.9	6.3	20.5	2.4	5.1	28.5	34.6	5.9	
DICIEMBRE	20.4	0.2	0.8	2.7	2.3	1.2	0.2	0.5	0.1	0.6	7.3	1.4	0.8	2.7	31.7	4.9	1.7	0.5	-	0.2	0.1	-	0.1	4.6	
SUMA ANUAL	130.0	217.5	155.4	188.9	172.7	91.0	83.7	37.6	20.7	12.5	16.3	17.2	84.8	136.5	220.1	150.7	65.1	47.8	48.7	102.4	84.5	95.1	126.7	83.8	
TOTAL	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	121.7

RESUMEN DE ALGUNAS CARACTERISTICAS DE LA PRECIPITACION

Estación: El Zamá

Año 1,969

MESES	TOTAL			No. PRECIPITACIONES			CANTIDAD			DURACION				PRECIPITACION MAXIMA				DURACION MAXIMA			
	m. m.	Días	Total	Día	Noche	Total	Total	Día	Noche	Total	m. m.	Durac.	Int. Med.	Int. Max. 5/m.	Int. Max. 1/m.	h. min.	m. m.	Int. Med.	Int. Max. 5 min.	Int. Max. 1 min. (cale)	
Enero	121.7	17	40	21	19	40	32.9	16:40'	21:30'	38:10'	26.4	1:15'	0.35	6.0	1.2	5:50'	20.8	0.06	1.5	0.3	
Febrero	116.1	17	36	19	17	36	42.7	13:50'	18:35'	32:25'	18.4	3:20'	0.09	2.5	0.5	3:50'	8.3	0.04	2.5	0.5	
Marzo	82.7	15	25	19	6	25	65.0	14:05'	5:00'	19:05'	30.2	1:45'	0.29	6.2	1.2	2:40'	7.5	0.05	1.0	0.2	
Abril	450.1	27	75	50	25	75	204.3	52:50'	62:40'	115:30'	69.4	14:00'	0.08	4.0	0.8	14:00'	69.4	0.08	4.0	0.8	
Mayo	312.9	25	52	30	22	52	81.6	31:35'	33:15'	64:50'	113.1	3:50'	0.49	9.8	2.0	7:15'	21.8	0.05	1.5	0.3	
Junio	113.6	25	50	33	17	50	64.8	26:10'	32:50'	59:00'	13.0	4:10'	0.05	1.5	0.3	6:45'	10.8	0.03	0.5	0.1	
Julio	59.1	13	21	14	7	21	40.9	11:30'	9:10'	20:40'	12.0	1:30'	0.13	3.1	0.6	4:35'	10.6	0.04	1.0	0.2	
Agosto	206.0	24	49	24	25	49	21.9	12:05'	35:30'	47:35'	39.0	2:55'	0.22	7.0	1.4	3:40'	36.0	0.17	8.5	1.7	
Septbre.	238.3	18	45	25	20	45	86.5	32:10'	50:20'	82:30'	28.3	2:15'	0.21	5.1	1.0	8:50'	16.2	0.03	1.0	0.2	
Octbre.	338.8	27	65	35	30	65	150.6	38:45'	51:45'	90:30'	37.7	7:50'	0.08	3.0	0.6	9:20'	31.7	0.06	1.5	0.3	
Novbre.	268.3	23	61	33	28	61	110.4	35:15'	39:20'	74:35'	40.5	4:00'	0.17	9.0	1.8	6:35'	18.7	0.05	2.0	0.4	
Dicbre.	85.0	17	40	23	17	40	52.5	13:40'	12:55'	26:35'	31.4	2:00'	0.26	10.0	2.0	3:00'	2.3	0.01	0.3	0.1	
TOTALES	2,390.6	248	559	326	233	559	953.8	298:35'	372:50'	671:25'	459.4	48:50'	0.22	5.1	1.2	7:15'	256.1	0.06	2.0	0.3	

ESTACION Calarod (La Balsa) Quindío

DIA	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre
1	—	—	—	0.8	0.5	—	—	—	—	4.6	1.2	—
2	—	—	10.8	—	19.0	6.5	—	—	—	24.3	4.6	0.1
3	—	0.1	—	—	0.3	28.9	—	—	—	10.5	—	3.4
4	—	—	—	2.1	0.8	1.8	—	—	—	22.5	18.9	1.9
5	—	4.2	—	8.1	3.9	1.9	—	—	—	1.1	3.6	0.7
6	—	—	—	3.2	—	0.7	—	—	—	1.1	23.2	4.8
7	—	7.2	—	—	0.6	1.3	—	—	—	—	73.4	3.6
8	—	4.5	—	44.7	23.5	0.7	—	—	1.0	10.7	7.5	21.5
9	—	0.4	—	—	24.8	—	—	1.0	—	—	5.9	0.7
10	—	2.5	—	—	23.0	27.5	6.2	—	—	—	—	—
11	—	—	—	2.4	—	—	0.1	0.2	—	—	—	—
12	7.9	31.7	—	—	—	—	—	—	—	—	—	—
13	—	—	—	1.0	2.9	26.0	3.9	—	0.6	—	—	—
14	2.2	5.8	—	28.3	59.1	1.2	—	2.3	—	—	1.5	13.1
15	1.0	26.7	—	28.0	0.6	—	—	—	—	—	—	—
16	7.9	16.8	—	25.6	0.3	—	—	8.3	3.6	5.4	0.3	—
17	—	0.2	—	—	0.4	0.8	2.0	—	3.2	10.2	—	0.1
18	—	—	—	17.5	—	—	0.6	—	1.3	—	0.5	1.4
19	—	—	—	—	—	1.4	—	1.6	7.9	—	—	65.6
20	—	—	—	—	1.4	7.2	—	0.8	0.1	52.4	—	1.0
21	2.7	—	—	30.8	0.5	0.6	—	8.1	—	19.3	—	6.1
22	1.4	0.1	—	29.0	—	—	—	—	0.6	0.6	—	0.2
23	1.7	—	—	—	1.9	0.2	—	—	—	2.8	33.1	43.5
24	0.4	4.5	—	47.0	—	—	0.1	—	1.5	5.7	1.3	—
25	5.3	—	—	5.3	3.0	—	—	—	—	2.8	1.4	—
26	66.8	—	—	—	—	12.9	—	—	—	3.0	5.5	0.5
27	—	—	—	2.1	4.2	0.4	1.2	—	—	49.0	10.2	2.8
28	—	—	—	1.3	—	2.9	—	—	0.2	42.2	9.0	—
29	—	—	—	4.5	27.2	2.7	—	—	—	1.7	0.1	0.9
30	—	—	—	—	64.2	0.5	—	—	—	39.5	0.8	4.1
31	—	—	—	0.3	—	10.5	—	0.7	—	—	—	—
Suma Mensual	97.3	104.6	25.7	414.3	206.8	85.6	40.3	32.0	180.9	322.6	276.5	56.0
Días Lluviosos	10	14	8	22	22	19	3	14	14	27	18	17
Total: días lluviosos 188	TOTAL DEL AÑO 1.842.8 m.m.											
	TOTAL DEL AÑO 1.659.2											

TOTAL DEL AÑO 1.659.2

TOTAL DEL AÑO 1.842.8 m.m.

ESTACION : LA FRÍJA FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM. AÑO : 1959

MESES	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-16	16-18	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	TOTAL	
ENERO	2	1	3	2	2	3	3	2	1	-	-	-	-	-	1	2	1	3	5	3	5	3	3	3	2	30
FEBRERO	2	3	2	2	1	1	1	2	-	1	-	1	2	-	5	4	4	3	2	2	-	-	1	2	2	16
MARZO	1	1	-	1	-	-	-	1	1	3	2	1	2	-	2	2	3	2	2	-	1	1	-	-	-	7
ABRIL	6	8	9	9	7	4	5	6	2	2	1	3	1	3	4	6	7	7	7	7	7	7	9	6	23	
MAYO	5	5	7	8	8	5	4	2	2	2	2	2	3	5	4	5	5	4	3	4	3	3	3	5	19	
JUNIO	3	5	7	7	6	5	1	3	2	-	-	-	2	4	5	5	6	2	2	3	3	3	1	1	20	
JULIO	-	-	1	1	1	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	-	-	-	3	
AGOSTO	3	5	6	4	4	5	2	1	1	-	-	-	1	2	1	-	1	1	3	3	1	2	2	1	18	
SEPTIEMBRE	4	3	4	5	3	3	3	3	1	1	1	-	-	2	5	6	5	3	4	3	3	3	3	2	15	
OCTUBRE	11	10	0	9	8	6	6	7	5	3	2	3	1	8	5	7	8	10	6	9	5	4	7	9	28	
NOVIEMBRE	4	3	3	6	5	3	1	1	1	1	1	-	-	2	7	8	7	7	6	5	5	5	5	5	21	
DICIEMBRE	3	4	6	3	3	4	2	2	1	-	-	-	-	3	5	3	2	3	3	1	1	-	-	1	17	
SUMA ANUAL	44	48	58	54	49	41	30	31	17	13	10	10	14	31	39	48	49	49	45	42	35	32	35	34	197	

Frecuencia Horaria del Brillo Solar

MESES	Frecuencia a Pleno Sol												Frecuencia sin Sol											
	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18
ENERO	-	1	9	6	7	8	8	15	14	7	8	-	26	15	10	8	5	4	5	7	10	7	11	18
FEBRERO	-	1	2	3	2	4	5	8	6	7	3	-	20	10	10	6	4	7	6	6	7	9	10	18
MARZO	-	1	5	5	6	7	8	12	14	8	3	-	26	11	6	7	5	2	3	4	6	13	25	
ABRIL	-	3	5	4	4	5	3	4	6	6	3	-	23	18	18	13	13	11	12	12	13	19	21	25
MAYO	-	2	4	4	2	3	3	5	5	5	4	-	25	13	12	10	10	9	7	8	9	12	14	25
JUNIO	-	3	2	2	3	2	5	4	3	2	-	-	17	16	7	6	3	5	5	8	8	7	12	20
JULIO	-	5	9	11	13	12	13	10	11	8	-	-	17	8	6	3	2	3	3	1	3	2	1	7
AGOSTO	-	1	2	4	3	3	2	4	9	5	4	-	26	17	6	4	5	5	4	1	1	4	8	16
SEPTIEMBRE	-	2	4	8	8	8	8	12	9	5	-	-	23	11	9	7	7	6	5	5	8	10	12	20
OCTUBRE	-	2	5	5	7	8	8	7	4	5	-	-	28	16	14	15	9	8	11	14	10	13	17	23
NOVIEMBRE	-	1	3	2	4	5	5	4	2	1	-	-	26	12	10	12	5	4	3	4	6	9	17	25
DICIEMBRE	-	-	2	1	5	8	3	4	4	2	-	-	24	9	10	6	5	5	5	6	6	11	8	22
SUMA ANUAL	-	16	46	57	55	70	72	91	95	71	48	-	281	156	118	97	73	72	68	75	85	109	144	244

Estación: La Bella

Año 1.969

RESUMEN DE ALGUNAS CARACTERISTICAS DE LA PRECIPITACION

MESES	TOTAL			No. PRECIPITACIONES		CANTIDAD		DURACION			PRECIPITACION MAXIMA				DURACION MAXIMA						
	m. m.	Dias	No. Precipitaciones	Dia	Noche	Total	Noche	Total	Dia	Noche	Total	m. m.	Durac.	Int. Med.	Int. Max. 5/m.	Int. Max. 1/m.	h. min.	m. m.	Int. Med.	Int. Max. 5 min.	Int. Max. 1 min. (calb.)
Enero	97.3	10	11 18 29	8:40'	17:35'	26:15'	17:35'	20.1	8:40'	17:35'	26:15'	66.6	2:15'	0.49	10.0	2.0	3:25'	5.9	0.03	0.6	0.1
Febrero	104.8	14	17 8 25	12:45'	11:45'	24:30'	11:45'	23.4	12:45'	11:45'	24:30'	26.7	1:15'	0.36	6.0	1.2	5:10'	15.9	0.05	1.5	0.3
Marzo	25.7	8	15 3 18	9:15'	3:00'	12:15'	3:00'	6.3	9:15'	3:00'	12:15'	10.4	2:30'	0.07	2.8	0.6	2:30'	10.4	0.07	2.8	0.6
Abril	414.3	22	34 29 63	33:05'	63:00'	96:05'	63:00'	303.2	33:05'	63:00'	96:05'	64.2	7:00'	0.15	4.0	0.8	7:25'	46.5	0.10	2.5	0.5
Mayo	206.8	22	28 28 56	28:10'	37:00'	65:10'	37:00'	101.9	28:10'	37:00'	65:10'	49.7	3:40'	0.22	9.0	1.8	5:55'	28.7	0.08	3.4	0.7
Junio	85.6	19	19 16 35	20:00'	28:10'	48:10'	28:10'	43.5	20:00'	28:10'	48:10'	20.7	4:20'	0.08	2.5	0.5	5:00'	7.1	0.02	0.4	0.1
Julio	40.3	3	3 3 6	3:40'	2:05'	5:45'	2:05'	7.7	3:40'	2:05'	5:45'	32.3	3:00'	0.18	5.3	1.1	3:00'	32.3	0.18	5.3	1.1
Agosto	32.0	14	8 20 28	5:15'	22:25'	27:40'	22:25'	28.6	5:15'	22:25'	27:40'	7.5	1:45'	0.07	2.0	0.4	3:30'	2.4	0.01	0.2	-
Septbre.	185.2	14	22 18 40	24:50'	28:25'	53:15'	28:25'	115.4	24:50'	28:25'	53:15'	50.8	4:35'	0.18	4.5	0.9	5:10'	4.2	0.01	10.0	2.0
Octbre.	318.3	27	44 29 73	49:45'	63:05'	112:50'	63:05'	155.9	49:45'	63:05'	112:50'	47.7	3:30'	0.22	7.3	1.4	11:50'	31.4	0.04	4.0	0.8
Novbre.	276.5	18	24 20 44	29:20'	32:05'	61:25'	32:05'	91.0	29:20'	32:05'	61:25'	85.5	4:10'	0.26	8.4	1.6	6:25'	18.3	0.04	1.0	0.2
Dicbre.	56.0	17	18 15 33	10:15'	16:40'	26:55'	16:40'	38.9	10:15'	16:40'	26:55'	20.7	2:55'	0.11	3.0	0.6	2:55'	20.7	0.11	3.0	0.6
TOTALES	1.842.8	188	237 207 444	235:00'	325:15'	560:15'	325:15'	935.9	235:00'	325:15'	560:15'	482.8	40:53'	0.22	33	0.6	62:15'	223.8	0.04	33	0.6

DIA	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre
1	3.1	2.9	—	—	—	—	—	—	—	0.1	3.2	3.8
2	0.6	3.9	—	—	—	—	—	—	—	0.1	3.8	2.1
3	9.4	2.7	—	—	—	—	—	—	—	2.2	5.9	2.6
4	5.7	0.4	—	—	—	—	—	—	—	1.1	7.5	4.4
5	5.9	3.5	—	—	—	—	—	—	—	6.8	0.8	2.7
6	5.3	2.5	—	—	—	—	—	—	—	—	2.0	3.4
7	8.0	3.8	—	—	—	—	—	—	—	5.8	0.8	1.7
8	6.3	0.4	—	—	—	—	—	—	—	5.8	3.9	3.1
9	6.0	2.0	—	—	—	—	—	—	—	5.5	1.7	1.8
10	1.8	5.6	—	—	—	—	—	—	—	4.9	2.9	0.7
11	—	5.2	—	—	—	—	—	—	—	5.8	2.1	2.6
12	1.2	5.5	—	—	—	—	—	—	—	2.9	8.8	1.1
13	0.9	7.9	—	—	—	—	—	—	—	5.6	5.7	6.5
14	0.1	5.0	—	—	—	—	—	—	—	6.9	1.6	3.5
15	0.9	6.1	—	—	—	—	—	—	—	2.1	—	6.0
16	6.8	5.2	—	—	—	—	—	—	—	0.8	0.7	—
17	1.4	2.1	—	—	—	—	—	—	—	1.0	3.9	4.5
18	2.6	2.1	—	—	—	—	—	—	—	1.2	4.5	1.4
19	3.4	—	—	—	—	—	—	—	—	2.1	2.9	3.2
20	5.0	7.0	—	—	—	—	—	—	—	0.6	3.0	0.4
21	1.1	2.0	—	—	—	—	—	—	—	2.4	7.4	2.5
22	1.8	3.2	—	—	—	—	—	—	—	4.4	3.2	1.1
23	1.5	1.0	—	—	—	—	—	—	—	1.1	3.2	1.1
24	2.0	3.5	—	—	—	—	—	—	—	1.8	2.7	1.0
25	5.0	3.5	—	—	—	—	—	—	—	0.9	—	2.0
26	3.8	1.0	—	—	—	—	—	—	—	3.7	3.7	2.1
27	4.2	3.4	—	—	—	—	—	—	—	2.1	5.2	7.3
28	4.8	—	—	—	—	—	—	—	—	1.2	0.6	2.8
29	3.7	—	—	—	—	—	—	—	—	3.9	1.2	3.7
30	3.7	—	—	—	—	—	—	—	—	—	2.6	2.5
31	4.5	—	—	—	—	—	—	—	—	1.2	3.3	8.1
Suma Mensal	112.0	94.7	—	—	—	—	—	—	—	83.8	79.9	91.5
Días Ultravioleta	—	—	—	—	—	—	—	—	—	—	—	—
Total del Año	576.6											

TOTAL DEL AÑO 1.704.1 a.m.

TOTAL DEL AÑO 576.6

ESTACION : JAVA FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM. AÑO : 1.963

MESES	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	8-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	TOTAL
ENERO	1	1	2	2	1	1	1	1	1	1	2	2	2	4	5	6	5	4	3	3	3	2	4	2	14
FEBRERO	-	-	-	1	1	-	-	-	-	1	4	5	5	5	6	1	1	4	2	2	-	1	-	-	15
MARZO	-	-	1	1	1	1	1	1	-	-	1	4	7	8	6	3	1	1	1	-	-	-	-	-	13
ABRIL	5	7	6	5	4	5	3	2	1	1	4	12	12	11	12	14	9	5	-	1	3	1	4	4	26
MAYO	5	5	4	3	4	1	2	3	1	3	2	7	9	10	11	9	7	2	1	-	3	4	3	5	23
JUNIO	3	3	1	6	2	3	2	3	-	1	4	4	6	9	5	4	2	2	2	1	1	1	2	3	21
JULIO	2	1	-	1	-	-	-	-	2	1	2	5	4	4	6	4	2	3	1	1	1	1	1	2	14
AGOSTO	3	2	1	2	4	2	4	1	1	1	-	2	7	4	5	4	5	1	-	-	1	2	3	1	21
SEPTIEMBRE	2	3	2	3	2	1	1	3	4	3	6	6	4	5	1	2	1	1	1	2	2	2	1	2	14
OCTUBRE	11	10	8	10	10	8	9	10	5	2	3	6	7	5	7	6	7	6	4	4	5	4	4	7	25
NOVIEMBRE	4	4	4	3	2	2	3	1	2	4	6	6	5	5	5	5	4	5	3	4	4	5	4	4	22
DICIEMBRE	1	1	1	-	-	-	-	-	-	2	3	1	1	1	2	3	3	1	1	-	-	-	-	-	10
SUMA ANUAL	37	37	19	37	33	25	24	13	17	25	58	74	70	75	64	50	34	21	18	23	23	26	30	238	

MESES	Frecuencia a Pleno Sol												Frecuencia sin Sol												
	6-7	7-8	8-9	8-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	6-7	7-8	8-9	8-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	
ENERO	-	-	5	3	2	2	2	2	1	3	6	8	31	17	11	6	5	10	11	8	9	9	8	16	17-18
FEBRERO	-	-	3	3	2	-	1	1	3	6	3	-	28	15	12	11	14	12	11	4	6	4	4	7	17
MARZO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ABRIL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MAYO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JUNIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JULIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AGOSTO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SEPTIEMBRE	-	-	2	3	3	1	1	2	1	3	6	-	30	22	15	12	14	21	19	13	11	8	10	14	14
OCTUBRE	-	-	2	4	-	1	2	3	1	3	3	-	31	20	16	10	14	17	13	12	10	11	15	19	19
NOVIEMBRE	-	-	1	2	3	2	1	-	2	1	3	-	21	13	9	11	10	15	15	14	10	7	14	24	24
DICIEMBRE	-	-	-	2	4	1	-	-	2	2	4	-	31	9	5	1	1	5	6	5	10	8	6	10	10
SUMA ANUAL	(	-	1	9	20	14	6	6	10	12	21	27	-	172	96	68	51	58	80	75	56	56	47	60	100)

RESUMEN MENSUAL Y ANUAL

ESTACION: JAYA

DIA	SUMAS HORARIAS DE BRILLO SOLAR												PRECIPITACION									
	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	SUMA MARANA	SUMA TARDE	SUMA MENSUAL	7	14	20	SUMA MENSUAL mm	DIAS DE SOLO	MAXIMA mm	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
ENERO	3.1	10.3	13.1	10.8	9.8	6.2	8.0	9.8	11.7	12.9	15.1	5.8	47.1	64.9	112.0	27.2	23.1	45.8	96.1	13	20.1	23
FEBRERO	-	3.2	10.6	10.8	5.8	6.2	8.0	10.4	12.4	13.2	11.3	2.8	36.6	98.1	94.7	1.8	11.4	21.1	34.3	14	13.3	12
MARZO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	34.1	13.4	50.5	13	21.1	1
ABRIL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.9	137.6	46.7	230.3	24	41.1	11
MAYO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	109.6	89.5	30.6	225.8	24	54.2	3
JUNIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.3	30.3	39.3	84.7	21	34.6	21
JULIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6	8.2	15.1	25.9	14	8.1	1
AGOSTO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.0	9.4	21.3	36.7	20	8.9	28
SEPTIEMBRE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.6	58.7	43.3	142.2	15	36.8	24
OCTUBRE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	275.7	70.1	72.5	411.7	24	87.3	7
NOVIEMBRE	3.7	7.3	10.2	11.1	10.8	7.1	6.0	7.3	8.5	8.2	8.4	2.9	50.2	41.3	91.5	74.7	44.4	74.7	341.2	20	115.2	21
DICIEMBRE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	2.8	20.7	24.7	10	12.1	10
SUMA ANUAL	3.7	24.5	56.6	70.1	56.4	43.9	43.7	35.8	59.5	66.1	71.3	29.6	255.2	321.4	576.6	61.7	43.3	37.0	142.0	212	37.7	-

SUMAS HORARIAS DE LA PRECIPITACION

MESES	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	TOTAL	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
ENERO	0.1	0.1	0.4	0.4	0.2	0.1	0.1	-	0.5	0.2	-	0.5	3.5	18.4	4.5	21.5	15.9	0.8	0.7	2.4	17.1	5.4	3.0	0.3	96.1	
FEBRERO	-	-	-	1.2	0.8	0.4	1.2	0.2	-	0.1	2.1	4.9	4.3	1.9	3.0	1.6	1.1	4.0	9.5	-	-	0.1	-	-	14.3	
MARZO	-	-	-	-	-	-	-	-	-	-	0.4	2.2	8.7	22.6	11.9	1.0	0.2	0.1	0.2	-	-	-	-	-	-	50.5
ABRIL	4.8	5.9	7.7	3.4	5.4	5.2	1.6	0.7	0.5	11.8	44.5	39.9	16.4	23.8	22.0	15.0	6.2	1.8	-	1.7	1.4	0.1	4.0	6.4	230.2	
MAYO	6.1	4.3	1.7	3.0	0.7	0.4	7.1	4.3	5.3	14.0	5.8	6.2	26.6	27.3	15.6	7.2	2.8	0.8	0.4	3.8	38.7	27.1	5.2	10.3	224.7	
JUNIO	1.3	0.9	0.3	8.5	1.1	1.5	0.8	0.4	-	0.1	4.4	4.5	7.1	13.8	5.9	10.2	7.4	8.0	6.9	0.9	0.1	0.2	0.8	0.8	85.9	
JULIO	0.4	0.1	-	-	-	-	-	-	-	0.3	0.1	1.0	2.7	4.1	3.9	2.0	4.5	4.2	0.4	0.1	0.5	10.1	0.2	1.2	25.9	
AGOSTO	0.5	0.6	0.1	0.4	1.2	0.9	1.0	1.2	0.6	0.3	-	0.4	6.2	0.7	1.4	18.1	1.7	0.1	-	0.1	10.2	0.9	0.1	36.7	-	
SEPTIEMBRE	1.1	1.4	0.3	20.4	1.2	0.3	0.3	0.7	4.3	7.0	7.2	16.9	7.7	14.9	14.9	18.2	3.8	1.7	0.1	4.6	4.1	3.2	0.8	3.6	138.7	
OCTUBRE	30.4	39.7	54.2	36.0	34.6	30.8	19.4	9.6	20.2	5.2	4.8	2.2	3.3	24.8	8.3	12.6	17.0	13.8	11.9	8.9	9.1	3.5	8.5	6.4	415.8	
NOVIEMBRE	3.1	9.4	28.8	15.0	9.0	3.2	4.2	3.4	0.1	1.5	10.5	12.1	12.0	4.8	4.9	2.3	9.8	47.4	7.6	2.7	2.6	58.5	82.6	5.7	341.2	
DICIEMBRE	0.9	0.1	0.2	-	-	-	-	-	-	-	-	1.1	1.3	0.2	0.2	1.5	16.7	1.7	0.6	0.2	-	-	-	-	28.7	
SUMA ANUAL	48.7	62.5	93.7	89.5	54.2	42.8	35.7	20.5	31.5	40.4	78.9	89.3	99.3	159.7	96.7	127.8	72.6	80.4	32.4	34.6	73.7	98.4	106.0	34.8	1.704.1	

RESUMEN DE ALGUNAS CARACTERISTICAS DE LA PRECIPITACION

Estación: Java

Año 1.969

588

MESES	TOTAL			No. PRECIPITACIONES			CANTIDAD			DURACION			PRECIPITACION MAXIMA			DURACION MAXIMA						
	m. m.	Días	Días	Días	Noche	Total	Total	Noche	Total	Día	Noche	Total	m. m.	Durac.	Int. Med.	Int. Max. 6/m.	Int. Max. 1/m.	h. min.	m. m.	Int. Med.	Int. Max. 6 min.	Int. Max. 1 min. (calic.)
Enero	96.1	13	16	11	27	69.5	26.6	11:45'	37:35'	25:50'	11:45'	37:35'	19.7	2:00'	0.16	4.0	0.8	5:45'	14.6	0.04	2.0	0.4
Febrero	34.3	14	24	2	26	32.5	1.8	1:00'	16:05'	15:05'	1:00'	16:05'	13.3	1:10'	0.19	4.0	0.8	2:15'	4.8	0.04	1.3	0.3
Marzo	50.5	13	21	2	23	47.5	3.0	3:20'	22:40'	19:20'	3:20'	22:40'	21.1	1:30'	0.23	3.5	0.7	3:30'	2.0	0.01	0.5	0.1
Abril	230.3	24	36	21	57	182.7	47.6	39:05'	96:40'	57:35'	39:05'	96:40'	37.3	2:35'	0.24	4.0	0.8	6:00'	7.6	0.02	0.5	0.1
Mayo	225.8	24	34	17	51	120.0	105.8	27:55'	70:45'	42:50'	27:55'	70:45'	41.4	4:05'	0.17	6.0	1.2	7:15'	33.6	0.08	3.0	0.6
Junio	84.7	21	27	14	41	69.6	15.1	16:25'	41:35'	25:10'	16:25'	41:35'	34.4	7:00'	0.08	2.0	0.4	7:00'	34.4	0.08	2.0	0.4
Julio	25.9	14	24	6	30	23.3	2.6	4:20'	20:05'	19:45'	4:20'	20:05'	5.7	1:40'	0.06	1.2	0.2	2:00'	4.9	0.04	1.0	0.2
Agosto	36.7	20	22	16	38	30.7	6.0	13:50'	30:10'	16:50'	13:50'	30:10'	8.7	1:05'	0.13	5.2	1.0	2:55'	0.9	0.01	0.1	-
Septbre.	142.2	15	17	14	31	102.0	40.2	18:30'	45:55'	27:25'	18:30'	45:55'	36.8	3:40'	0.17	6.2	1.2	4:45'	15.0	0.05	1.5	0.3
Octbre.	411.7	24	36	35	71	142.8	268.9	61:10'	109:05'	47:55'	61:10'	109:05'	64.1	4:40'	0.23	9.5	1.9	6:40'	29.1	0.07	2.0	0.4
Novbre.	341.2	20	28	16	44	119.1	222.1	30:10'	64:35'	34:25'	30:10'	64:35'	115.7	10:50'	0.18	9.6	1.9	10:50'	115.7	0.18	9.6	1.9
Dicbre.	24.7	10	11	2	13	23.5	1.2	2:20'	10:15'	7:55'	2:20'	10:15'	12.1	1:00'	0.20	3.0	0.6	2:05'	1.4	0.01	0.3	0.1
TOTALES	1.704.1	212	296	156	452	963.2	740.9	336:05'	565:55'	336:05'	229:50'	565:55'	410.3	43:15'	xx	xx	xx	61:00'	264.0	xx	xx	xx

DIA	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre
1	0.6	0.2	0.3	0.5	5.7	2.2	—	0.5	1.8	—	—	—
2	—	—	24.9	—	3.8	—	2.0	—	1.7	—	—	0.1
3	0.2	—	8.5	2.6	30.5	5.2	5.4	—	—	—	7.6	4.3
4	—	—	19.3	6.9	1.8	5.1	1.1	0.2	—	—	3.4	3.1
5	—	—	—	—	0.6	0.3	4.7	—	—	—	34.7	13.1
6	—	16.3	—	8.1	—	0.3	5.4	2.3	—	—	37.8	0.7
7	—	1.6	—	0.1	—	2.4	2.2	0.9	—	—	18.8	6.1
8	—	0.7	7.3	9.4	0.8	2.0	—	1.4	1.4	—	4.4	0.8
9	—	—	—	22.8	12.7	5.0	—	2.7	1.1	—	11.6	1.1
10	10.0	0.6	—	—	1.9	5.1	—	4.8	—	—	10.4	—
11	—	—	—	—	15.9	2.6	1.7	0.8	—	0.9	2.3	5.1
12	—	2.6	0.7	11.2	15.1	6.5	—	0.7	—	—	0.3	3.5
13	—	—	—	—	—	—	—	—	—	—	2.4	1.1
14	8.0	—	—	—	8.2	—	0.6	12.1	—	—	27.3	—
15	7.2	—	0.4	8.9	1.5	5.2	1.0	3.0	0.2	—	23.4	1.6
16	1.7	22.4	2.3	9.5	2.0	—	3.8	1.8	0.1	—	1.5	1.0
17	1.7	—	—	34.8	5.4	2.1	0.2	3.4	9.9	20.4	—	—
18	12.7	3.1	5.9	5.9	3.0	3.5	—	1.3	3.8	—	21.7	—
19	1.0	0.2	—	9.0	—	9.4	0.1	2.9	6.6	—	5.8	6.5
20	3.5	—	—	38.5	2.2	1.3	18.5	0.2	1.0	1.9	0.7	0.3
21	0.4	—	—	8.1	0.8	0.6	12.6	0.1	7.6	5.8	6.9	3.6
22	0.2	—	—	0.5	9.7	0.8	4.1	—	0.7	0.9	16.1	19.1
23	31.6	0.8	0.5	16.8	48.6	0.1	1.3	—	2.2	—	21.9	0.8
24	5.8	0.4	0.2	39.3	—	3.2	—	7.0	57.5	—	33.4	—
25	7.9	2.1	3.1	12.8	—	6.4	3.7	1.1	3.1	—	0.1	5.8
26	0.2	5.7	0.8	2.0	2.6	2.2	1.4	0.5	69.9	—	0.2	0.5
27	7.5	8.3	0.2	—	—	—	—	—	—	—	—	53.8
28	—	0.2	1.4	3.9	0.4	—	3.8	1.2	8.2	20.7	0.5	6.2
29	—	—	—	1.7	0.2	—	—	—	—	—	—	—
30	11.9	—	—	0.5	9.8	—	—	3.2	8.6	42.8	0.5	—
31	—	—	—	—	—	—	—	—	—	—	—	—
Suma Mensual	122.1	84.5	172.4	239.0	151.4	101.7	43.6	82.4	240.5	—	293.7	149.3
Días Lluviosos	18	16	22	27	22	23	20	22	21	—	25	23

TOTAL DEL AÑO 1.660.6 m.m.

TOTAL DEL AÑO 1.049.9

TOTAL DEL AÑO 1.660.6

Total días lluviosos 239

98.1 90.2

ESTACION: VILLABRICA FRECUENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM. AÑO: 1959

MESES	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	TOTAL	
ENERO	2	5	4	5	5	6	5	-	1	1	01	3	6	7	7	7	6	4	2	3	3	4	1	3	16	
FEBRERO	1	-	-	1	1	1	-	1	3	2	2	4	5	4	2	3	1	2	3	2	-	-	-	2	2	16
MARZO	1	1	1	1	3	2	3	1	1	3	3	6	11	8	10	5	3	2	2	1	1	1	1	-	-	19
ABRIL	6	5	5	4	3	2	3	7	6	4	7	11	16	19	11	7	4	4	3	1	2	2	3	3	28	
MAYO	5	5	3	1	1	2	4	4	5	7	6	8	9	8	9	8	7	5	2	1	4	3	5	2	22	
JUNIO	1	1	1	2	1	4	3	3	3	3	9	8	12	8	5	8	7	2	-	-	1	3	1	2	22	
JULIO	-	1	-	1	2	2	1	2	1	1	3	10	10	11	7	3	1	1	1	2	2	1	-	-	20	
AGOSTO	1	2	2	2	4	2	1	2	3	4	4	8	9	9	7	6	5	1	-	1	1	-	1	1	22	
SEPTIEMBRE	-	3	-	1	2	-	-	4	5	7	6	11	8	8	7	5	3	-	1	1	1	1	3	3	20	
OCTUBRE																										
NOVIEMBRE	5	5	6	5	2	1	1	2	5	5	6	6	8	8	8	7	5	6	5	2	2	3	3	3	24	
DICIEMBRE	2	2	3	2	4	4	4	3	3	3	4	9	7	9	9	9	7	4	2	1	1	1	4	2	22	
SUMA ANUAL	(24	27	30	25	27	27	24	28	33	36	53	77	103	98	91	74	53	34	20	14	18	20	25	21	233)	

Frecuencia Horaria del Brillo Solar

MESES	Frecuencia a Pleno Sol												Frecuencia sin Sol												
	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	
ENERO	-	1	7	8	2	3	-	-	-	1	1	-	28	15	5	7	9	7	12	13	12	11	14	14	17
FEBRERO	-	2	6	3	4	1	1	-	-	1	3	-	21	13	9	9	6	11	7	10	7	12	15	18	18
MARZO	-	5	11	14	4	4	3	-	1	2	1	-	21	7	9	6	6	12	14	17	15	17	20	23	20
ABRIL	-	2	1	1	1	1	-	-	1	4	3	-	28	22	23	21	21	19	22	17	14	16	19	19	16
MAYO	-	3	7	6	1	4	-	-	1	1	4	1	21	12	12	11	12	13	11	13	13	12	14	17	18
JUNIO	-	2	4	7	7	4	3	1	-	1	1	-	19	10	8	7	7	9	11	14	13	13	20	11	15
JULIO	-	1	1	4	1	1	1	-	1	3	2	-	21	13	10	10	9	8	12	11	12	10	11	15	15
AGOSTO	-	1	5	3	3	1	1	-	2	4	5	2	20	12	8	8	10	12	11	9	8	6	7	8	8
SEPTIEMBRE	-	4	2	1	-	1	-	1	-	2	2	4	25	18	16	15	18	13	16	11	14	13	9	17	17
OCTUBRE																									
NOVIEMBRE	-	2	6	5	4	3	1	2	3	3	-	-	27	10	14	9	9	13	10	11	11	12	10	21	21
DICIEMBRE	-	6	4	2	-	2	2	3	2	1	-	-	30	13	12	9	15	15	16	14	10	11	17	20	20
SUMA ANUAL	(-	17	59	57	30	20	13	5	14	23	25	3	261	145	126	112	124	132	141	145	132	134	149	196)	

RESUMEN MENSUAL Y ANUAL

ESTACION: Villarricos

DIA	SUMAS HORARIAS DE BRILLO SOLAR												PRECIPITACION									
	6-7	7-8	8-9	8-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	7	14	20	SUMA MENSUAL mm	SUMA DE 20 DIAS	MAXIMA mm	DA			
	SUMA MENSUAL												SUMA MENSUAL									
ENERO	0.7	7.4	14.6	17.5	11.8	9.2	5.6	7.2	8.9	7.4	6.1	2.3	61.2	37.5	98.7	50.2	44.1	27.8	122.1	18	31.6	23
FEBRERO	0.8	8.0	11.5	11.2	10.0	8.6	8.0	8.0	7.5	7.4	7.4	2.5	50.3	40.8	91.1	38.7	34.7	11.1	84.5	16	22.4	16
MARZO	2.1	13.1	16.5	19.1	15.0	10.2	5.8	7.4	6.9	6.9	5.1	2.0	76.0	34.1	110.1	34.7	81.0	56.7	172.4	22	38.5	20
ABRIL	0.5	3.2	4.5	5.0	3.3	3.8	2.6	2.5	5.4	9.7	7.5	3.3	20.3	31.0	51.3	56.7	142.5	39.8	239.0	27	39.3	24
MAYO	2.1	10.4	11.1	11.1	7.6	8.3	8.1	6.0	8.7	8.3	8.8	5.5	50.6	45.4	96.0	26.1	86.6	38.7	151.4	22	42.6	23
JUNIO	2.5	8.9	12.0	13.2	12.3	11.3	8.5	5.8	4.2	6.0	6.8	4.6	60.2	35.9	96.1	28.0	62.5	11.2	101.7	23	18.5	20
JULIO	2.4	7.7	9.2	12.4	10.4	8.4	8.3	8.1	8.2	10.9	11.1	7.9	50.5	54.5	105.0	7.9	23.6	12.1	43.6	20	5.4	6
AGOSTO	1.8	10.4	13.5	12.4	9.4	7.8	9.0	8.5	12.6	13.3	15.7	8.6	55.3	67.7	123.0	12.6	46.3	23.5	82.4	22	12.1	14
SEPTIEMBRE	0.6	4.9	7.4	7.1	5.4	7.2	5.7	8.3	9.9	9.0	11.1	4.7	32.6	48.7	81.3	28.6	96.4	72.9	240.5	21	63.9	26
OCTUBRE	0.3	8.1	10.3	11.3	12.6	9.4	9.7	7.3	8.1	8.7	9.0	3.1	32.2	45.9	98.1	78.3	130.2	84.7	293.7	25	37.8	6
NOVIEMBRE	0.1	10.5	13.3	11.2	8.7	6.6	5.7	7.2	9.9	7.4	7.1	2.5	50.4	39.8	90.2	58.6	54.3	36.9	149.3	23	53.8	27
DICEMBRE																						
SUMA ANUAL	(13.9)	92.6	123.9	131.5	106.7	91.0	77.0	76.3	90.3	95.0	95.7	47.0	559.6	481.3	1040.9	38.2	72.9	37.6	152.8	239	33.3	-

SUMAS HORARIAS DE LA PRECIPITACION

MESES	SUMAS HORARIAS DE LA PRECIPITACION																								TOTAL
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	8-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	
ENERO	0.9	2.4	2.0	4.4	2.8	4.1	9.1	-	0.6	0.1	1.1	2.1	16.2	24.0	8.2	2.7	5.9	7.5	0.8	2.7	14.7	2.7	2.0	5.1	122.1
FEBRERO	0.4	-	-	8.5	0.6	-	8.5	0.6	-	1.2	0.2	15.4	6.5	2.6	3.6	3.9	2.5	0.1	0.8	3.1	0.7	-	23.3	5.9	84.5
MARZO	0.2	0.1	0.2	0.5	1.8	27.8	2.9	17.7	6.7	2.6	19.5	23.2	8.4	18.5	2.5	1.3	0.3	30.8	3.3	0.1	0.1	0.1	0.4	-	172.4
ABRIL	11.8	12.5	6.5	2.4	1.5	0.6	0.8	13.3	6.2	2.8	8.4	30.2	50.3	31.3	9.4	18.5	0.7	9.5	1.4	0.3	6.8	3.5	1.6	6.7	239.0
MAYO	0.6	16.7	1.9	0.6	0.1	0.1	2.0	3.3	10.8	27.3	15.1	9.2	7.0	13.9	16.2	11.5	5.8	3.2	1.2	0.8	2.0	0.6	1.2	0.3	151.4
JUNIO	10.1	1.2	1.0	1.4	1.8	2.1	2.0	2.6	1.5	2.4	15.9	10.2	17.4	12.5	4.9	3.9	1.7	0.7	-	-	1.1	3.4	2.7	1.2	101.7
JULIO	-	0.2	-	0.1	1.2	2.4	1.6	0.7	0.8	0.1	0.3	7.8	8.9	5.0	5.6	2.2	3.1	0.7	0.2	0.3	0.4	1.6	0.4	-	43.6
AGOSTO	1.9	0.8	0.4	1.1	3.1	4.3	0.1	0.3	0.4	11.6	11.1	7.4	10.4	5.1	9.0	11.3	2.3	0.1	-	0.8	0.3	-	0.3	0.3	82.4
SEPTIEMBRE	-	-	-	0.8	-	0.6	0.7	-	4.5	30.4	11.8	10.8	11.9	21.8	5.2	20.5	46.4	5.3	0.5	-	0.2	1.0	0.2	12.8	15.3
OCTUBRE	11.5	19.7	9.0	2.9	0.3	5.0	0.4	2.5	3.0	2.5	10.8	31.2	34.1	46.1	19.9	7.1	17.9	21.5	16.9	1.4	6.4	15.3	6.7	1.6	293.7
NOVIEMBRE	5.0	8.5	6.1	3.1	4.8	3.4	3.7	0.9	2.4	3.3	2.6	21.5	9.4	14.2	5.9	15.6	3.4	1.8	2.1	8.1	12.5	2.3	6.3	2.4	149.3
DICEMBRE	(42.4)	62.1	27.9	16.5	28.2	25.1	47.5	36.2	75.0	68.8	94.1	157.5	201.3	169.3	122.0	124.2	47.5	46.6	56.5	18.6	45.3	29.7	57.7	40.8	1.660.8

RESUMEN DE ALGUNAS CARACTERISTICAS DE LA PRECIPITACION

Estación: Villarricos

Año 1.969

MESES	TOTAL			No. PRECIPITACIONES		CANTIDAD		DURACION			PRECIPITACION MAXIMA					DURACION MAXIMA				
	m. m.	Días		Días	Noche	Total	Día	Noche	Total	m. m.	Durec.	Int. Med.	Int. Max. 5/m.	Int. Max. 1/m.	h. mín.	m. m.	Int. Med.	Int. Max. 5 min.	Int. Max. 1 min. (cala)	
Enero	122.1	18	31	30	61	71.6	24:20'	24:40'	49:00'	13.6	1:45'	0.13	6.4	1.3	5:10'	8.8	0.03	0.5	0.1	
Febrero	84.5	16	23	3	26	45.8	16:35'	4:50'	21:25'	22.4	1:15'	0.30	7.5	1.5	2:10'	7.2	0.06	1.0	0.2	
Marzo	172.4	22	33	9	42	137.7	31:55'	8:40'	40:35'	34.7	4:00'	0.14	6.0	1.2	4:00'	34.7	0.14	6.0	1.2	
Abril	239.0	27	49	15	64	181.4	62:40'	29:45'	92:25'	20.5	4:40'	0.07	2.1	0.4	6:00'	3.0	0.01	0.3	0.1	
Mayo	151.4	22	42	24	66	125.3	43:45'	19:00'	62:45'	41.6	7:40'	0.09	3.0	0.6	7:40'	41.6	0.09	3.0	0.6	
Junio	101.7	23	46	9	55	74.2	41:45'	14:45'	56:30'	16.0	6:00'	0.09	6.5	1.3	6:00'	16.0	0.04	6.5	3.3	
Julio	43.6	20	41	7	48	35.8	29:45'	6:35'	36:20'	5.4	1:15'	0.07	1.5	0.3	3:05'	5.2	0.03	0.3	0.1	
Agosto	82.4	22	38	10	48	69.0	27:55'	10:20'	38:15'	9.7	1:00'	0.16	3.5	0.7	3:15'	3.0	0.02	0.4	0.1	
Septbre.	240.5	21	39	12	51	169.3	40:00'	14:25'	54:25'	57.5	2:10'	0.44	6.4	1.3	6:40'	6.6	0.02	0.5	0.1	
Octbre.																				
Novbre.	293.7	25	43	18	61	214.9	44:00'	22:30'	66:30'	34.6	3:55'	0.15	5.0	1.0	3:55'	34.6	0.15	5.0	1.0	
Dicbre.	149.3	23	36	12	48	91.2	45:180'	22:05'	67:15'	58.2	14:50'	0.06	6.1	1.2	14:50'	58.2	0.06	6.1	1.2	
TOTALES	1.680.6	239	421	149	570	1.216.2	407:50'	177:35'	585:25'	314.2	48:30'				62:45'	218.9				

DIA	Enero	febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre	Enero	febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre			
1	65.6	—	—	10.4	10.9	19.2	—	2.1	—	1.1	18.6	10.7	1.7	8.5	3.3	2.0	4.9	4.7	6.8	4.5	3.6	—	—	4.5	5.2		
2	—	—	10.4	10.6	14.7	19.4	—	—	—	22.9	17.0	5.2	9.0	9.1	5.3	0.8	—	3.1	6.3	9.6	9.2	—	—	3.4	4.4		
3	—	—	1.3	0.2	33.1	44.3	—	—	—	0.8	9.7	10.6	9.7	3.0	0.4	1.0	4.1	—	6.9	6.2	10.2	0.4	—	—	5.4	0.6	
4	—	2.5	—	50.8	1.1	23.3	—	—	—	5.0	30.1	44.6	9.1	1.6	3.3	0.9	1.2	2.6	10.4	6.8	8.8	0.8	—	—	2.3	0.8	
5	—	2.2	—	17.2	—	0.3	—	—	—	—	11.5	16.1	3.3	4.4	3.8	2.5	2.8	4.4	9.3	10.1	8.0	—	—	—	2.8	2.1	
6	—	1.0	—	19.7	—	2.7	—	—	—	—	1.7	8.6	1.6	1.2	6.8	—	8.2	8.4	4.9	5.9	6.8	9.2	—	—	4.0	3.8	
7	—	6.4	—	—	—	—	—	0.5	—	0.7	—	—	9.3	4.5	6.4	2.0	10.0	2.6	4.4	3.8	6.4	1.8	—	—	1.8	2.9	
8	—	24.0	—	61.2	—	4.1	—	—	—	0.2	13.9	—	9.4	1.7	7.1	3.6	5.8	2.5	5.8	2.8	5.7	3.1	—	—	3.9	1.1	
9	—	38.0	—	0.3	—	—	—	—	—	15.5	4.1	47.8	9.7	2.3	2.6	1.3	0.4	3.6	8.3	7.7	7.8	—	—	—	3.6	3.3	
10	—	9.5	0.1	55.0	—	1.2	0.2	—	—	—	—	0.5	9.0	1.8	6.5	3.8	4.3	2.0	3.0	4.8	4.7	8.0	—	—	6.5	3.1	
11	0.4	16.2	—	47.0	—	6.9	—	—	—	7.4	15.6	0.8	0.7	1.4	0.6	3.3	8.9	2.4	10.7	7.9	5.1	—	—	—	5.4	2.6	
12	2.9	1.1	31.8	6.4	2.8	0.3	—	—	—	5.1	17.2	24.0	2.2	1.3	0.8	5.4	8.5	5.8	10.6	10.3	6.0	—	—	—	3.3	3.6	
13	8.7	—	19.1	2.2	—	8.2	—	—	—	15.2	22.2	1.4	0.3	4.5	1.9	4.6	1.1	4.7	7.8	7.4	5.8	—	—	—	3.3	3.6	
14	15.9	18.0	4.2	4.7	—	—	—	0.7	—	6.1	30.0	—	0.4	6.4	0.4	1.1	3.1	5.7	5.6	7.9	6.4	—	—	—	6.4	5.9	
15	21.6	7.6	—	10.2	—	—	—	1.1	—	0.6	0.5	—	0.7	0.2	5.0	0.3	5.4	7.5	5.0	4.4	3.4	—	—	—	0.1	3.6	
16	0.3	—	—	12.7	11.3	—	—	0.1	—	16.4	—	—	4.2	1.7	6.8	0.3	2.4	8.0	6.3	4.2	6.8	—	—	—	0.3	8.1	
17	17.9	—	0.9	19.5	9.1	—	—	0.2	—	40.4	—	—	2.1	1.4	4.0	0.8	3.2	10.6	9.6	9.0	4.1	—	—	—	5.8	1.9	
18	3.1	—	—	0.7	0.6	—	—	—	—	16.4	—	—	4.5	2.6	6.4	1.5	3.5	5.4	11.0	4.6	3.2	—	—	—	3.8	7.0	
19	1.0	—	—	3.4	5.6	—	—	—	—	—	—	—	0.9	3.9	9.3	4.0	3.7	4.6	11.0	6.6	—	—	—	—	6.3	3.0	
20	5.5	—	—	—	—	—	—	1.9	13.3	24.4	—	—	4.3	0.9	4.3	1.4	2.2	1.6	10.5	6.8	2.6	—	—	—	4.6	2.3	
21	1.7	—	—	—	—	—	—	10.2	8.3	0.6	1.1	17.3	4.0	6.1	2.6	2.4	5.3	9.7	8.1	6.8	1.8	—	—	—	4.6	2.3	
22	1.2	—	—	—	—	—	—	—	—	—	—	—	—	8.4	3.9	—	—	5.2	9.6	8.3	4.7	—	—	—	1.4	4.2	
23	4.1	0.4	—	—	—	—	—	—	—	2.2	2.4	—	5.8	2.3	3.5	1.4	3.0	6.8	7.0	3.7	2.9	—	—	—	3.6	5.3	
24	48.0	1.8	—	27.1	—	—	—	1.9	—	8.2	8.2	—	0.5	4.0	5.9	0.7	8.2	4.3	7.7	5.3	1.9	—	—	—	4.0	1.0	
25	36.3	3.8	1.6	23.9	—	1.0	—	—	—	18.1	5.3	0.6	3.0	3.9	4.5	2.3	8.6	1.1	5.0	3.5	2.4	—	—	—	9.0	1.8	
26	—	—	—	—	—	2.5	—	—	—	10.1	3.8	1.3	2.1	1.9	1.2	9.4	6.9	0.2	9.6	2.3	0.3	—	—	—	5.7	1.7	
27	1.9	—	—	—	—	18.7	—	—	—	9.8	2.0	2.7	2.1	1.9	1.2	9.4	6.9	0.2	9.6	2.3	0.3	—	—	—	3.0	3.4	
28	—	—	—	—	—	—	—	—	—	28.7	0.5	33.1	6.1	6.8	1.2	4.2	4.2	5.3	8.7	6.4	0.8	—	—	—	—	4.0	
29	—	—	—	—	—	—	—	—	—	—	—	—	6.0	6.8	2.1	2.3	7.2	1.5	6.5	6.9	2.8	—	—	—	2.0	2.5	
30	—	—	—	—	—	—	—	—	—	5.6	—	—	7.3	—	—	—	—	—	—	—	—	—	—	—	—	8.2	
31	—	—	—	—	—	—	—	—	—	15.9	—	—	8.8	—	—	—	—	—	—	—	—	—	—	—	—	7.0	
Sums Mensal	240.1	132.5	140.0	489.6	91.4	447.3	0.5	19.6	202.9	198.2	251.8	308.6	138.1	102.0	119.9	76.7	146.1	141.5	228.6	182.7	136.7	122.4	102.3	103.4			
Días lluviosos	17	14	14	25	12	15	2	30	14	22	24	24															
Totales días lluviosos 193													TOTAL DEL AÑO 2.224.5 m.m.														
												TOTAL DEL AÑO 1.602.4															

ESTACION : LA OYZON FRECUCENCIA HORARIA DE LA PRECIPITACION MAS DE 0.1 MM. AÑO : 1992

MESES	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	TOTAL	
ENERO	5	6	7	5	4	4	4	1	4	1	4	1	4	1	4	2	3	1	2	4	7	6	6	4	19	
FEBRERO	4	2	2	2	4	3	2	2	1	1	2	6	4	3	4	3	4	5	1	3	3	2	1	2	15	
MARZO	7	9	8	5	4	5	3	1	8	2	3	5	7	10	13	12	10	10	10	10	8	10	7	25		
MAYO	2	2	1	2	3	3	3	2	1	2	4	6	8	7	5	5	4	3	3	2	1	3	3	1	16	
JULIO	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	
AGOSTO	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11	
SEPTIEMBRE	4	4	6	4	2	8	1	1	1	1	2	3	3	6	8	7	6	5	4	4	3	3	3	3	14	
OCTUBRE	10	6	5	4	2	4	5	3	1	1	3	5	5	6	2	2	5	7	5	7	6	11	9	8	23	
NOVIEMBRE	2	4	4	7	3	7	3	2	1	1	3	5	5	12	11	10	2	5	4	2	4	2	4	3	2	25
DICIEMBRE	6	4	6	2	2	1	1	1	1	1	1	3	11	13	6	11	11	9	8	7	8	7	6	9	25	
SUMA ANUAL	50	44	44	37	28	32	28	13	14	8	10	16	35	57	68	61	69	65	50	50	52	45	49	43	294	

Frecuencia Horaria del Brillo Solar

MESES	Frecuencia a Pleno Sol												Frecuencia sin Sol											
	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18
ENERO	2	10	8	5	2	3	4	4	7	2	-	-	28	9	6	6	6	7	6	9	9	10	16	31
FEBRERO	2	7	5	2	3	4	4	4	7	2	-	-	21	11	9	8	10	8	6	5	6	7	15	28
MARZO	8	8	2	3	4	2	1	1	1	1	-	-	18	9	8	6	11	8	6	7	7	14	12	31
ABRIL	2	3	1	1	2	5	3	1	1	1	-	-	25	20	15	12	14	10	11	13	15	15	23	28
MAYO	4	6	7	4	5	2	3	8	6	4	-	-	14	10	8	5	4	6	4	4	7	8	9	19
JUNIO	8	4	6	5	6	4	7	1	5	3	-	-	11	7	9	6	4	8	5	3	8	8	11	17
JULIO	15	14	11	10	12	13	10	11	13	-	-	-	14	4	4	2	3	2	4	1	3	3	2	10
AGOSTO	7	10	9	7	3	2	3	3	2	3	4	6	9	3	4	2	-	1	3	3	3	4	14	30
SEPTIEMBRE	5	6	7	5	4	3	7	4	6	1	-	-	24	9	6	3	5	7	2	4	7	10	12	30
OCTUBRE	6	4	5	5	6	9	8	4	2	-	-	-	22	16	12	8	12	11	10	8	7	13	23	31
NOVIEMBRE	3	22	4	1	2	5	4	3	2	-	-	-	29	13	9	10	10	6	9	6	5	11	23	30
DICIEMBRE	1	6	3	3	2	3	5	2	2	-	-	-	30	8	7	8	10	5	6	5	9	18	20	31
SUMA ANUAL	56	81	71	53	55	62	70	52	45	24	-	-	245	319	297	16	91	79	73	68	86	120	170	300

D	SUMAS HORARIAS DE BRILLO SOLAR												PRECIPITACION									
	6-7	7-8	8-9	8-10	10-11	11-12	12-18	18-14	14-15	15-16	16-17	17-18	SUMA MAÑANA	SUMA TARDE	SUMA MENSUAL	7	14	20	SUMA MENSUAL	MAXIMA	DIAS	
ENERO	0.4	13.2	15.6	15.0	12.5	13.2	16.1	16.4	14.2	12.1	9.4	-	69.9	68.2	138.1	144.3	69.1	26.7	240.1	17	65.6	1
FEBRERO	1.4	9.9	11.5	9.0	10.1	9.7	12.1	12.4	12.1	8.5	5.3	-	51.6	50.4	102.0	75.8	11.8	44.9	132.5	14	38.0	9
MARZO	2.6	13.9	15.0	12.6	9.0	11.6	14.3	13.4	11.6	9.2	6.7	-	64.7	55.2	119.9	39.8	21.8	77.8	140.0	14	57.2	29
ABRIL	1.5	4.2	8.0	8.8	6.1	9.9	11.0	10.9	7.2	6.8	4.1	0.2	38.5	40.2	78.7	239.0	30.8	217.5	489.6	25	82.1	29
MAYO	5.0	12.6	14.8	14.9	11.9	13.7	12.4	15.3	15.2	14.2	12.1	4.0	72.9	73.2	146.1	26.5	3.4	66.4	93.4	12	33.1	3
JUNIO	8.2	16.0	14.0	14.5	13.3	12.2	12.8	15.2	10.5	12.4	8.8	3.6	78.2	63.3	141.5	22.3	55.4	69.6	147.3	15	44.3	3
JULIO	7.6	17.1	21.8	21.5	22.2	21.5	20.2	21.8	21.0	21.0	22.8	10.1	111.7	116.9	228.6	0.2	0.3	-	0.5	2	0.3	31
AGOSTO	6.6	18.3	18.2	18.3	18.9	16.8	15.4	16.8	15.4	15.9	16.8	5.3	97.1	85.6	182.7	4.0	2.7	12.9	19.6	10	10.2	21
SEPTIEMBRE	2.2	12.2	13.9	15.2	13.8	13.7	14.4	16.2	13.0	12.0	10.1	-	71.0	65.7	136.7	79.1	32.9	75.0	202.9	14	40.4	18
OCTUBRE	3.1	10.6	10.7	15.0	13.0	13.0	16.9	14.7	13.4	9.1	2.9	-	65.4	57.0	122.4	132.1	23.5	58.5	198.2	22	43.9	22
NOVIEMBRE	0.2	8.3	11.6	10.6	8.6	12.5	12.8	13.3	12.9	8.3	3.2	-	51.8	50.5	102.3	89.9	18.9	147.0	251.8	24	33.1	28
DICIEMBRE	0.1	10.7	11.8	11.0	10.2	9.8	14.0	14.1	10.8	7.3	3.6	-	53.6	49.6	103.4	109.8	45.5	153.3	308.6	24	47.8	9
SUMA ANUAL	38.9	147.0	166.9	166.4	149.6	157.6	172.4	180.5	157.3	136.8	105.8	23.2	826.4	776.0	1602.4	79.9	26.3	79.1	185.4	193	41.3	-

SUMAS HORARIAS DE LA PRECIPITACION

MESES	SUMAS HORARIAS DE LA PRECIPITACION																				TOTAL				
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	8-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	20-21		21-22	22-23	23-24	
ENERO	3.2	17.4	33.0	3.2	4.0	3.9	2.1	-	1.9	0.5	1.4	0.2	21.6	43.5	4.6	0.9	6.0	1.9	5.9	7.4	19.4	46.6	8.5	3.0	240.1
FEBRERO	26.6	9.3	3.6	2.1	2.6	15.2	7.3	3.0	0.3	-	0.2	0.6	5.6	2.1	3.2	6.7	5.6	21.8	3.9	3.7	4.7	2.3	0.1	2.0	132.5
MARZO	5.6	0.6	0.5	0.8	0.1	0.2	-	0.1	0.7	-	0.3	7.9	12.8	0.5	0.8	13.9	6.1	17.3	39.2	21.8	4.4	2.8	3.3	139.7	139.7
ABRIL	13.5	23.3	37.4	20.8	14.9	4.0	1.2	0.4	5.4	0.7	2.8	3.2	5.6	12.7	28.8	37.5	52.7	54.7	15.8	28.0	23.0	22.3	62.8	18.4	489.9
MAYO	3.4	3.1	2.4	1.5	0.7	0.8	0.9	-	-	-	0.8	0.3	0.2	2.1	13.3	10.5	6.1	3.6	20.8	12.1	1.8	2.6	4.0	2.4	93.4
JUNIO	2.3	3.7	1.0	0.5	0.4	1.2	0.9	3.8	3.5	0.1	-	-	15.5	13.5	19.0	17.9	10.8	4.1	13.9	2.0	20.9	1.8	4.4	4.7	147.3
JULIO	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.3	-	-	-	-	-	-	-	-	0.1	-	0.5
AGOSTO	0.4	2.0	0.9	0.2	-	0.1	-	-	-	0.1	0.4	0.4	0.7	1.1	10.2	-	0.4	0.6	1.7	-	-	0.1	-	0.3	19.6
SEPTIEMBRE	4.4	5.8	4.9	10.1	8.4	5.6	7.7	2.4	0.5	0.3	0.5	6.7	9.4	13.1	5.6	23.9	28.6	7.1	7.6	2.2	10.9	11.3	11.1	11.4	199.5
OCTUBRE	9.8	4.0	0.7	0.6	0.2	1.1	1.8	1.8	0.1	-	16.2	5.4	3.6	0.7	6.8	8.1	13.9	29.4	15.3	24.7	28.0	33.4	201.6	201.6	
NOVIEMBRE	3.5	6.9	10.8	26.3	3.1	0.9	1.9	0.7	-	0.3	0.3	2.2	5.6	9.0	56.3	25.4	43.7	6.9	5.4	9.3	21.1	4.8	7.8	0.8	251.8
DICIEMBRE	7.5	4.0	5.9	0.3	0.5	-	0.1	-	-	0.1	0.1	0.8	2.1	42.4	22.9	8.9	26.5	28.9	42.9	23.2	37.9	23.3	14.5	15.8	308.6
SUMA ANUAL	80.3	80.1	101.1	66.4	32.9	33.0	23.9	12.2	12.4	2.1	6.5	30.2	88.4	164.3	166.9	126.1	194.4	153.6	137.2	171.4	157.7	146.8	144.4	92.2	2224.5

RESUMEN DE ALGUNAS CARACTERISTICAS DE LA PRECIPITACION

Estación: La Unión

Año: 1.969

MESES	TOTAL		No. PRECIPITACIONES		CANTIDAD		DURACION			PRECIPITACION MAXIMA				DURACION MAXIMA						
	m. m.	Días	Día	Noche	Total	Total	Día	Noche	Total	m. m.	Durac.	Int. Mod.	Int. Max. 5/m.	Int. Max. 1/m.	h. min.	m. m.	Int. Mod.	Int. Max. 5 min.	Int. Max. 1 min. (caño)	
Enero	240.1	17	19	32	51	95.8	144.3	17:10'	41:20'	58:30'	65.6	2:40'	0.41	10.0	2.0	7:05'	20.7	0.05	1.3	0.3
Febrero	132.5	14	22	12	34	57.2	75.3	22:35'	17:25'	40:00'	31.2	1:45'	0.30	5.5	1.1	7:05'	16.9	0.04	1.1	0.2
Marzo	140.0	14	21	17	38	99.7	40.3	22:25'	13:15'	35:40'	35.7	2:30'	0.24	9.5	1.9	3:05'	2.2	0.01	0.2	-
Abril	489.6	25	45	34	79	47.9	241.7	61:05'	54:45'	115:50'	78.4	3:30'	0.37	9.5	1.9	8:50'	12.7	0.02	1.2	0.3
Mayo	95.5	12	17	15	32	69.8	23.6	16:25'	22:15'	38:40'	29.4	2:30'	0.20	5.0	1.0	7:10'	10.9	0.02	1.0	0.2
Junio	147.3	15	25	9	34	125.1	22.2	30:40'	15:10'	45:50'	36.3	6:00'	0.10	4.0	0.8	11:10'	13.2	0.02	0.6	0.1
Julio	0.5	2	1	2	3	0.3	0.2	0:25'	0:35'	1:00'	0.3	0:25'	0.01	0.1	-	0:25'	0.3	0.01	0.1	-
Agosto	19.6	10	10	5	15	15.6	4.0	5:35'	5:15'	10:50'	10.2	0:35'	0.29	5.0	1.0	1:50'	2.7	0.02	0.3	0.1
Septiembre	202.9	14	23	17	40	107.8	95.1	30:40'	29:15'	59:55'	37.4	10:10'	0.06	3.0	0.6	10:10'	37.4	0.06	3.0	0.6
Octubre	198.2	22	26	43	69	82.3	115.9	28:55'	42:35'	71:30'	40.3	5:00'	0.13	4.0	0.8	5:00'	40.3	0.33	4.0	0.8
Noviembre	251.8	24	33	26	59	165.8	86.0	41:35'	27:25'	69:00'	33.1	1:30'	0.37	6.0	1.2	5:00'	29.7	0.10	4.0	0.8
Diciembre	308.6	24	42	21	63	198.8	109.8	47:50'	39:55'	87:45'	43.7	4:15'	0.17	8.0	1.4	9:00'	10.6	0.02	2.0	0.4
TOTALES	2.224.5	193	284	233	517	1.266.1	958.4	3:25:20'	3:09:10'	6:34:30'	441.6	40:50'	XX	XX	XX	75:50'	197.6	XX	XX	XX

PUESTOS PLUVIOMETRICOS

PRECIPITACION DIARIA
AÑO 1.955

ALTURA 1.500 m.

ESTACION Lourdes - R. Santander

ALTURA

ESTACION Lourdes - R. Santander

DIA	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre
1	1.0	—	—	—	3.0	—	2.0	4.0	15.5	4.5	—	60.0
2	3.5	—	—	—	—	—	4.2	3.0	6.0	65.5	—	—
3	3.5	—	—	—	—	—	6.2	2.0	—	10.5	2.0	20.0
4	—	—	—	6.3	—	—	6.7	6.5	1.0	3.0	1.0	—
5	2.0	—	—	3.0	—	—	5.5	5.0	—	—	4.0	—
6	3.0	—	—	—	—	—	3.5	—	3.0	20.0	3.0	—
7	3.5	—	—	—	—	—	3.0	1.0	4.2	6.0	—	—
8	1.2	—	—	—	—	6.2	1.0	3.0	2.0	28.0	5.0	—
9	2.0	—	—	2.1	—	—	4.3	—	1.0	27.0	21.0	—
10	—	—	—	—	7.3	—	10.5	5.2	3.5	—	—	—
11	5.2	—	—	—	—	—	4.5	3.5	—	—	13.2	—
12	2.3	—	—	—	11.1	7.0	4.0	—	—	8.0	2.5	—
13	4.0	—	—	—	—	2.1	2.0	5.0	4.0	2.0	44.7	—
14	5.0	—	—	—	3.0	—	1.5	7.2	2.0	52.0	4.2	—
15	2.5	—	—	—	1.0	—	3.4	6.0	1.0	17.0	5.0	—
16	5.0	—	—	—	—	—	14.0	4.5	2.0	14.5	25.1	—
17	—	—	—	—	—	—	13.5	7.3	4.0	6.0	6.0	—
18	2.0	—	—	—	—	9.3	7.2	—	—	15.0	8.2	—
19	—	—	—	—	—	5.1	2.0	2.0	—	6.0	45.0	—
20	2.5	—	—	—	3.0	0.1	10.0	2.0	4.2	1.0	25.2	—
21	2.0	—	—	—	—	—	4.0	2.5	—	1.0	2.5	59.0
22	1.0	—	—	—	2.0	3.0	4.0	4.5	—	3.5	14.7	—
23	—	—	—	—	—	—	7.0	6.5	—	10.0	3.0	—
24	—	—	—	—	—	2.0	7.3	10.0	—	2.0	—	—
25	1.0	—	—	—	8.3	10.0	4.0	7.0	3.0	1.5	3.0	—
26	—	—	—	—	—	2.3	3.0	4.5	4.2	2.0	5.2	2.0
27	2.5	—	—	—	—	1.0	4.0	15.5	—	—	—	—
28	—	—	—	—	—	—	11.5	4.7	—	8.0	2.0	—
29	—	—	—	—	—	—	5.0	4.0	—	3.0	—	—
30	—	—	—	—	—	3.0	—	2.0	2.0	4.0	—	1.0
31	—	—	—	—	—	—	3.0	—	—	—	—	2.0
Suma Mensual	54.7			11.4	38.7	55.1	166.3	125.9	81.6	302.5	334.0	85.0
Días Lluviosos	20			3	8	13	30	25	18	26	23	5
Totales días lluviosos	171											
Totales días lluviosos	116											
TOTAL DEL AÑO	2.038.0											
TOTAL DEL AÑO	1.255.2											
TOTAL DEL AÑO	299.0											
TOTAL DEL AÑO	14											

Totales días lluviosos 116

TOTAL DEL AÑO 1.255.2

Totales días lluviosos 171

TOTAL DEL AÑO 2.038.0

m.m.

PRECIPITACION DIARIA

AÑO 1.969

ESTACION Chindocota -F. Santander

ALTURA 1.275 m.

ESTACION Convensión-F. Santander

ALTURA 1.000 m.

DIA	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre		
1	5.0	4.0	—	5.0	10.0	—	—	—	10.0	5.0	—	—		
2	5.0	2.0	5.0	10.0	15.0	—	—	—	—	5.0	—	10.0		
3	—	4.0	2.0	—	5.0	15.0	5.0	5.0	—	10.0	10.0	9.0		
4	—	2.0	4.0	—	2.0	10.0	10.0	5.0	5.0	—	—	20.0		
5	—	4.0	2.0	—	5.0	10.0	5.0	5.0	5.0	10.0	5.0	14.0		
6	—	2.0	5.0	5.0	15.0	—	15.0	10.0	—	—	—	9.0		
7	—	4.0	—	10.0	10.0	5.0	5.0	10.0	5.0	—	—	7.0		
8	5.0	2.0	—	5.0	15.0	5.0	15.0	20.0	5.0	—	10.0	9.0		
9	—	—	—	—	—	—	—	—	—	—	—	—		
10	5.0	—	5.0	7.0	10.0	10.0	5.0	5.0	10.0	10.0	10.0	5.0		
11	—	5.0	—	5.0	—	7.0	5.0	10.0	10.0	—	—	9.0		
12	—	10.0	5.0	10.0	5.0	10.0	15.0	10.0	5.0	5.0	5.0	13.0		
13	14.0	—	—	—	—	—	—	—	—	—	—	—		
14	8.0	—	—	—	—	—	—	—	—	—	—	—		
15	4.0	—	—	—	—	—	—	—	—	—	—	—		
16	—	—	—	—	—	—	—	—	—	—	—	—		
17	—	—	—	—	—	—	—	—	—	—	—	—		
18	—	—	—	—	—	—	—	—	—	—	—	—		
19	—	—	—	—	—	—	—	—	—	—	—	—		
20	—	—	—	—	—	—	—	—	—	—	—	—		
21	8.0	—	—	—	—	—	—	—	—	—	—	—		
22	6.0	—	—	—	—	—	—	—	—	—	—	—		
23	—	—	—	—	—	—	—	—	—	—	—	—		
24	8.0	—	—	—	—	—	—	—	—	—	—	—		
25	—	—	—	—	—	—	—	—	—	—	—	—		
26	12.0	—	—	—	—	—	—	—	—	—	—	—		
27	—	—	—	—	—	—	—	—	—	—	—	—		
28	—	—	—	—	—	—	—	—	—	—	—	—		
29	12.0	—	—	—	—	—	—	—	—	—	—	—		
30	—	—	—	—	—	—	—	—	—	—	—	—		
31	—	—	—	—	—	—	—	—	—	—	—	—		
Suma Mensual	72.0	—	—	47.0	16.0	18.0	33.0	190.0	114.0	68.0	—	—		
Dias Lluviosos	6	—	—	4	3	3	5	17	12	7	—	—		
Total: días lluviosos 59												TOTAL DEL AÑO	598.0	m.m.
Total: días lluviosos 246												TOTAL DEL AÑO	2.236.0	m.m.

PRECIPITACION DIARIA

AÑO 1.969

ALTURA 1.550

ESTACION Gramalote - H. Santander

ALTURA 1.200 m.

ESTACION Doracina - H. Santander

DIA	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre
1	0.2	11.1	2.0	—	4.1	20.7	0.3	1.2	—	50.0	—	—
2	6.0	0.3	0.3	—	0.1	0.8	—	2.0	—	31.2	—	—
3	—	5.0	0.1	5.0	0.5	—	0.2	—	—	15.0	—	0.5
4	27.4	16.4	—	—	3.1	0.4	0.3	—	—	20.0	—	0.2
5	—	4.0	—	—	—	—	—	0.1	—	—	—	—
6	—	11.2	—	7.9	—	0.3	—	—	—	12.0	26.7	1.0
7	—	13.1	—	18.5	0.4	0.4	—	—	—	46.3	15.3	—
8	—	32.2	—	12.5	16.4	0.1	—	0.3	—	0.2	5.3	—
9	—	12.3	—	6.4	8.0	3.4	0.3	—	—	8.6	—	0.6
10	—	0.1	—	25.5	4.0	2.8	—	—	—	2.3	18.3	0.4
11	—	14.3	15.8	2.0	—	—	—	—	—	2.6	50.3	—
12	—	8.3	—	1.0	19.2	—	—	0.1	—	0.5	4.0	1.1
13	—	5.2	—	2.0	23.5	—	—	—	—	6.5	9.2	—
14	36.0	—	—	—	—	—	—	14.0	—	6.6	—	0.5
15	16.6	—	—	—	—	—	—	—	—	—	—	—
16	13.2	—	—	—	—	—	—	—	—	—	—	—
17	—	20.6	—	—	—	—	—	—	—	—	—	—
18	12.0	—	—	—	—	—	—	—	—	—	—	—
19	3.4	7.0	46.0	6.0	—	—	—	—	—	—	—	—
20	—	—	26.0	—	—	—	—	—	—	—	—	—
21	—	16.5	—	—	—	—	—	—	—	—	—	—
22	—	—	—	7.0	—	—	—	—	—	—	—	—
23	10.2	—	—	—	—	—	—	—	—	—	—	—
24	20.2	—	20.0	—	—	26.0	—	—	—	—	—	—
25	—	—	—	—	—	—	—	—	—	—	—	—
26	—	13.6	30.0	—	—	—	—	—	—	—	—	—
27	—	—	29.0	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	—	—	—	—	—	—
29	—	—	—	—	—	—	—	—	—	—	—	—
30	17.2	—	—	—	—	—	—	—	—	—	—	—
31	10.2	—	—	28.0	—	—	—	—	—	—	—	—
Suma Mensual	167.4	158.7	287.2	74.0	—	26.0	—	—	—	351.0	708.2	—
Dias Lluviosos	11	8	11	9	—	1	—	—	—	6	17	—
Total: dias lluviosos	63											
Total: dias lluviosos	171											
TOTAL DEL AÑO	1.766.5											m.m.
TOTAL DEL AÑO	1.856.5											m.m.

PRECIPITACION DIARIA

AÑO 1-959

ESTACION: Charalá - Santander

ALTURA 1.450 m.

ESTACION: Bionegro (Zaragoza) Santander

ALTURA 1.100 m.

DIA	ESTACION: Charalá - Santander																	ESTACION: Bionegro (Zaragoza) Santander																		
	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre												
1																																				
2																																				
3	16.5	4.5	6.5	2.0	6.5	20.5		10.0	10.5	6.0	6.0		1.2		0.7	0.4		1.0	4.0				8.7													
4		24.0	2.0		6.5	4.0				26.0	8.5									6.8				0.1												
5					8.0					14.5	6.5					14.8								0.2												
6				8.0	44.0	12.5	4.5				6.5		12.6	2.0		0.1	1.1							16.0												
7					26.5					25.0	2.0			0.2		4.2	0.8							0.1												
8					4.5					12.5	20.0		3.6			1.3	18.0		16.2																	
9		24.0			16.5	6.0	6.0				2.0		3.0			2.1				1.0																
10				20.5	22.5	6.5		2.0		219.0	38.0					3.5				5.0																
11	36.0			12.5		9.5	4.5				68.0	4.0	7.5	34.3	8.5	22.5								3.8												
12	16.0										12.0	9.0	6.2																							
13				22.0	10.0	14.0				4.0	6.0	6.0	0.2				22.6		0.5	6.2				2.5												
14	44.5			32.5	12.5	2.0	2.0	56.0		32.5			25.2			24.3	1.8	1.0		10.5				10.0												
15	4.0			2.0	2.0		4.5		46.0	22.0	2.0					2.0				14.5																
16				58.5	1.5		12.5	8.0	2.0	26.5																										
17								68.5	18.5	10.0	14.5																									
18	42.0			38.0		4.0					18.0	4.5																								
19		2.0		1.0							18.0	20.0	20.0	20.5	30.2		10.9	2.4	17.9					0.1												
20	10.5			2.0	18.0	20.0				10.5										6.0																
21			6.0	6.0				18.0	4.5		16.5	1.0	0.6	0.5		4.8				5.4	1.0			0.1												
22		8.0		12.5	28.5				6.5		8.0		2.2			0.1	55.0	11.2	18.4		0.6	5.0	3.5													
23			14.5	58.5		6.5				28.5			28.6	0.1				25.0	2.0	33.6																
24		4.5		26.0														24.1	2.2																	
25		28.5				8.0					26.0		1.6	7.0		8.0				20.0	3.4			3.6												
26		34.0				20.0							0.2	3.3						0.2	38.0															
27		14.0			6.5	20.5	32.0	5.0		20.0	10.0										0.1	10.4	12.2													
28		4.0			6.0	26.0			18.5	24.5											0.1	0.5	21.5	14.7												
29			48.0	26.5		56.0		6.0	26.0	10.0			0.9							2.5	10.0	0.2														
30			24.0	8.0				20.0			16.0		4.6								2.0	14.1		3.5												
31					4.0	10.5															2.0															
Suma Mensual	169.5	147.5	176.4	388.5	295.5	166.5	229.5	253.5	211.0	549.0	361.0	129.5	213.5	275.9	35.3	244.1	154.0	115.6	91.4	99.5	198.0	252.2	56.7													
Días con Lluvia	7	10	7	17	19	15	12	15	15	17	20	16	21	16	8	18	20	19	9	19	17	22	17	15												
Total días lluviosos	170																	201																	TOTAL DEL AÑO 1.955.4	
																																		m.m.		

PRECIPITACION DIARIA

AÑO 1-1969

ALTURA 1.570 m.

ESTACION Miraflores - Boyacá

ALTURA 3.010 m.

ESTACION Boquerón - Medellín - Antioquia

DIA	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre
1					8.2				4.8	28.0									13.5	6.5	2.0			
2					23.8	16.5	0.5		1.0	18.2									7.5		5.5			
3					15.5	23.4				36.5									18.5			4.5		
4		1.5	9.4		16.2	16.5				12.6									8.0	3.5				
5	9.0			8.2						18.2									15.2	16.5				
6				7.6	20.2	5.0				14.8									13.5	19.0				
7	1.5						3.0	8.5		28.1											12.0			
8		6.5		17.2	9.4														2.5					
9				9.6	24.5			3.5	1.0	1.5									30.5					
10				26.6	18.8	8.0	1.0	14.6		0.2									1.5					
11				28.4				2.5	2.4										2.5	3.5	7.5			
12	14.2			34.5		0.5		4.2		1.8									0.5					
13			7.2	12.8	26.2			28.5		3.5									1.5	13.5	6.5			
14				23.9	18.0			18.6	2.5										3.5	21.5	6.5	8.5		
15					14.6			6.4		21.2									8.0					
16				32.0	6.2			8.5	9.6										5.5					
17	7.4			11.5	19.5			9.0	47.5										5.5					
18		1.0		18.6				17.6	22.0										17.2	32.5	0.5			
19	12.5	0.5							8.4	12.5									20.6	3.5	28.5	15.5		
20	14.6			36.4	6.2			23.6	16.2										20.5					
21	9.2			15.6	10.5	0.2		7.4	32.5	20.5									18.5	2.0	2.5			
22	13.6			36.7	14.4	3.0		0.4	0.2	33.0									1.0					
23	22.5	7.5		9.2	0.8			13.7	1.5										7.5	5.0				
24		2.5		8.7		0.5			38.6	9.2									3.5	4.5	14.5			
25		0.6		1.0		1.9		5.6	32.5	17.6									18.5	16.5	9.5			
26	5.0			4.8		0.5	2.0		19.6	6.8									11.5					
27				12.6			6.1		29.6	26.2									2.0	3.2	14.5			
28							4.5		10.5	36.4									6.0	1.0				
29							4.0		8.4	15.5									6.5	6.5				
30							14.6		12.5										5.0	9.2	4.0	10.0		
31					2.2			8.0	3.5										4.5	8.5				
Suma Mensual	109.5	20.1	34.0	379.1	260.2	81.6	15.0	296.6	338.2	284.2			70.4	113.1	20.6	185.8	199.4	105.6	219.6	169.5	72.0			
Días Lluviosos	10	7	4	20	20	12	5	21	18	10			7	7	4	15	16	10	29	16	10			
Total: días lluviosos	(135)											TOTAL DEL AÑO (114)											TOTAL DEL AÑO (1.156.0) m.m.	
Total: días lluviosos	(1.824.5) m.m.																							

PRECIPITACION DIARIA

AÑO 1969

ESTACION Predonia(Quandary) Antioquia

ALTURA 1.420 m. ESTACION Predonia(Jorda)

ALTURA 1.200 m.

DIA	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre
1	—	—	—	—	5.1	5.4	—	—	—	9.2	—	16.3
2	—	—	14.4	8.1	—	6.4	—	—	—	19.3	10.1	22.4
3	—	—	13.2	—	13.4	16.2	—	—	—	11.5	—	—
4	—	—	8.4	—	18.3	—	—	—	—	10.4	—	13.4
5	7.3	—	—	6.1	10.4	—	—	—	—	13.2	9.4	22.1
6	—	—	—	11.4	16.3	—	—	—	—	16.8	5.2	—
7	—	—	—	—	23.1	6.4	14.4	—	—	17.1	16.3	—
8	—	5.3	—	31.5	17.4	—	—	—	—	29.7	—	13.1
9	—	7.1	—	—	12.6	—	—	16.3	—	9.3	9.2	16.2
10	—	8.4	2.1	8.1	—	5.1	16.3	—	—	15.2	18.4	12.4
11	5.1	4.0	—	4.3	5.2	14.3	—	6.1	—	13.2	31.4	8.2
12	18.7	—	—	18.3	—	9.4	—	18.4	—	—	10.1	10.1
13	6.0	—	—	3.0	—	—	—	—	—	15.1	5.4	—
14	—	—	—	27.7	12.1	30.5	—	—	—	23.2	22.2	—
16	—	—	1.0	16.2	8.4	28.0	—	25.4	—	16.5	17.4	—
16	6.4	—	—	—	31.8	—	11.2	—	—	—	—	—
17	22.1	4.3	4.4	3.1	3.4	—	—	—	—	5.2	—	—
18	7.3	—	6.3	14.4	11.3	24.5	—	15.6	—	—	7.1	21.1
19	9.4	—	—	5.1	13.1	28.1	—	7.1	21.3	—	22.3	—
20	9.1	—	—	—	26.1	14.4	—	14.2	13.4	20.5	—	—
21	5.2	—	8.2	43.6	—	8.3	—	7.3	9.2	4.3	13.1	—
22	6.1	—	—	—	—	21.2	—	—	—	16.4	—	—
23	—	—	—	—	—	—	—	1.2	11.3	23.4	—	—
24	—	—	6.2	43.3	—	—	—	17.4	16.2	—	16.1	—
25	—	—	10.1	6.1	—	—	—	7.1	16.4	—	22.3	—
26	—	4.1	5.2	—	—	—	—	5.3	14.3	—	11.2	6.2
27	—	—	17.8	26.4	—	—	—	11.2	32.1	41.7	9.4	—
28	—	—	10.6	—	5.2	—	—	7.2	11.3	—	18.3	—
29	—	—	12.3	7.3	—	—	—	5.4	7.4	—	—	—
30	—	—	8.3	5.1	11.4	—	—	—	16.2	11.3	10.3	—
31	—	—	—	4.2	—	—	—	—	—	—	—	—
Suma Mensual	94.7	33.2	132.7	356.6	229.0	229.4	30.7	176.2	174.3	359.9	303.6	175.8
Días lluviosos	11	6	16	21	18	15	2	16	12	21	21	12
Total días lluviosos	171	TOTAL DEL AÑO 2.294.1 m.m.										
Total días lluviosos	125	TOTAL DEL AÑO 2.532.2 m.m.										

PRECIPITACION DIARIA

1943-1949

ESTACION Predonia (Piamonte) Antioquia ALTURA 1.300 ESTACION Santa Barbara - Antioquia ALTURA 1.780

DIA	ESTACION Predonia (Piamonte) Antioquia												ESTACION Santa Barbara - Antioquia														
	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre			
1	---	---	---	---	---	---	---	---	3.0	---	3.0	---	---	---	---	5.0	---	---	---	4.0	---	---	6.0				
2	---	---	7.3	6.0	20.0	9.0	---	---	52.0	9.0	28.5	---	---	---	37.5	2.0	25.0	---	---	---	32.0	13.5	6.2				
3	---	7.0	7.0	---	28.5	30.0	---	---	---	---	---	---	---	1.0	---	47.0	49.0	---	---	0.5	---	33.5	---				
4	---	---	8.3	4.0	---	3.5	---	---	7.0	8.0	29.0	---	---	12.5	---	13.0	13.5	---	---	---	10.0	11.0	1.5				
5	2.5	4.0	---	---	3.0	---	---	---	---	---	4.5	---	---	6.0	11.2	---	4.0	---	---	1.0	---	---	---				
6	---	---	---	6.5	---	---	---	---	---	21.0	---	---	---	---	---	27.0	---	---	---	---	---	4.0	40.5				
7	---	11.0	---	21.0	1.8	---	6.0	1.0	---	90.0	---	---	---	---	5.0	---	15.0	4.5	8.5	2.0	---	5.5	58.5				
8	---	---	---	33.0	44.0	---	---	---	27.0	32.0	---	---	---	---	8.0	---	---	---	---	1.2	---	3.2	9.5				
9	---	2.5	---	5.5	---	---	4.0	11.5	---	13.0	3.0	---	---	---	---	43.0	25.0	---	---	---	---	---	2.5				
10	---	2.5	2.5	5.5	---	18.5	---	---	3.0	---	---	---	---	---	---	12.5	2.0	12.5	17.0	10.0	---	9.0	---				
11	2.5	---	---	11.8	---	---	---	---	16.5	32.0	---	---	---	---	---	7.0	6.5	---	---	0.5	---	20.5	41.5				
12	20.3	---	2.5	4.3	---	3.0	---	9.0	---	2.5	---	---	---	---	---	4.0	5.0	---	---	16.3	---	0.5	8.5				
13	---	---	---	33.0	7.8	7.5	---	10.5	---	10.0	---	---	---	---	---	32.2	8.0	---	---	---	---	5.2	---				
14	12.0	---	---	3.5	70.0	---	---	10.0	---	12.0	---	---	---	---	---	---	2.0	32.0	---	39.0	---	---	21.0				
15	---	2.8	---	55.0	1.0	---	---	24.5	---	---	---	---	---	---	---	---	56.0	2.0	---	---	---	---	---				
16	---	---	---	14.1	---	---	---	---	35.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---				
17	20.0	---	---	---	8.0	---	---	13.0	---	10.0	33.5	---	---	---	---	---	---	---	---	---	---	---	---				
18	---	7.0	---	3.0	17.5	21.0	---	13.0	---	12.0	---	---	---	---	---	---	---	---	---	---	---	---	---				
19	10.8	---	---	---	---	---	---	---	25.0	---	5.0	---	---	---	---	---	---	---	---	---	---	77.0	---				
20	2.7	---	---	---	12.0	4.0	---	40.0	10.0	---	10.0	---	---	---	---	---	---	---	---	---	---	---	---				
21	---	---	34.0	33.0	---	---	---	6.0	20.0	5.0	---	---	---	---	---	---	---	---	---	---	---	---	---				
22	---	---	---	28.5	26.4	---	---	---	15.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---				
23	4.6	2.5	5.0	28.0	---	---	---	15.0	---	28.0	3.5	---	---	---	---	---	---	---	---	---	---	---	---				
24	---	5.2	3.8	26.0	---	---	---	---	25.0	5.0	---	---	---	---	---	---	---	---	---	---	---	---	---				
25	---	1.0	26.6	11.3	---	---	---	---	12.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---				
26	---	---	---	---	---	1.0	---	8.5	47.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---				
27	---	---	8.3	---	---	---	---	---	30.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---				
28	---	---	8.9	1.0	10.0	---	---	39.5	51.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---				
29	---	---	1.5	25.0	---	---	1.5	5.0	11.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---				
30	---	---	---	---	23.5	---	---	1.0	---	65.0	---	---	---	---	---	---	---	---	---	---	---	---	---				
31	---	---	1.0	---	36.0	---	---	---	14.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---				
Suma Mensual	75.4	45.5	116.7	133.5	322.5	105.0	12.5	224.0	259.0	199.5	365.0	127.0	---	---	121.7	393.0	323.7	118.0	34.0	186.7	234.9	222.4	399.7	37.7			
Días Lluviosos	8	10	13	20	16	10	4	17	11	12	15	10	---	---	6	10	21	17	10	5	23	15	20	18	7		
Total: días lloviosos	146												160												TOTAL DEL AÑO	2.205,6	m.m.
																								TOTAL DEL AÑO	2.531,0	m.m.	

PRECIPITACION DIARIA

Año 1-969

ESTACION Térmica (La Fraccional) Antioquia

ALTURA 1.190 m.

ESTACION Sencén (El Carmec) Antioquia

ALTURA 1.680 m.

DIA	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre
1	---	---	---	13.0	1.5	3.5	---	---	---	4.5	---	29.0
2	1.5	---	4.0	---	17.0	---	---	---	---	40.0	8.5	17.0
3	3.0	---	---	13.0	37.0	---	21.5	---	---	24.0	---	4.5
4	0.5	10.5	2.5	---	9.0	---	---	---	8.0	4.0	15.5	---
5	---	---	---	9.5	---	---	3.0	---	3.0	8.0	2.0	4.0
6	---	8.0	1.0	---	29.0	---	---	5.0	1.0	37.0	6.3	---
7	---	0.5	---	26.0	---	---	---	---	7.0	17.5	19.0	---
8	---	11.0	---	---	---	---	12.5	---	47.0	2.0	38.0	---
9	---	---	---	1.0	---	0.5	9.5	---	3.0	12.0	3.0	---
10	---	12.5	---	16.5	29.0	14.0	4.5	---	---	4.5	---	---
11	1.0	---	---	22.0	---	---	---	---	13.0	38.0	8.0	---
12	3.0	---	---	4.0	1.0	---	0.5	---	7.0	5.0	13.0	---
13	---	---	1.0	26.0	11.0	---	9.5	---	2.5	22.0	1.0	---
14	13.0	---	---	16.5	---	---	---	---	---	---	---	---
15	1.5	---	1.0	54.0	---	---	---	24.1	15.0	22.0	10.0	---
16	---	2.5	---	15.0	---	2.0	13.2	6.0	7.0	11.0	---	---
17	---	---	---	---	4.5	---	2.6	33.0	24.0	4.0	13.0	---
18	3.0	---	---	1.0	29.0	---	21.6	24.0	---	---	---	---
19	0.5	---	---	1.0	---	---	---	2.0	---	16.0	36.0	---
20	---	---	---	---	1.0	1.0	2.1	36.0	---	---	3.0	---
21	7.0	---	8.5	26.0	9.0	---	4.3	56.5	11.0	---	27.0	---
22	1.0	5.5	12.5	30.0	---	---	---	---	2.0	---	16.0	---
23	1.0	25.0	5.5	42.2	---	---	1.5	0.5	23.0	---	---	---
24	---	---	25.0	8.0	0.5	---	0.8	9.0	---	---	---	---
25	---	4.5	17.0	6.0	---	23.2	---	8.0	---	5.0	---	---
26	---	0.5	---	---	5.0	---	32.4	10.0	11.0	0.8	---	---
27	---	---	---	---	---	---	12.6	48.0	---	---	---	---
28	---	---	1.5	9.0	2.0	---	1.0	28.0	13.0	3.0	---	---
29	---	---	---	15.0	---	2.5	---	16.5	---	2.5	---	---
30	---	---	---	---	---	23.5	0.5	12.0	---	10.0	---	---
31	---	---	3.5	---	6.0	---	---	---	14.0	---	---	---
Suma Mensual	48.0	70.0	91.0	387.0	157.5	59.0	200.9	299.5	310.0	227.3	298.3	---
Días Útiles	12	9	12	24	15	7	20	15	24	20	18	---
Total: días lluviosos	176	176	176	176	176	176	176	176	176	176	176	176

Altura: 1.190 m. Total del Año: 2.302.5 m.m.

Altura: 1.680 m. Total del Año: 3.770.7 m.m.

PRECIPITACION DIARIA

AÑO 1-1989

ALTURA 829 m.

ESTACION Villeta - Cundinamarca

ESTACION Guaduas - Cundinamarca

DIA	ALTURA 1.060 m.														ESTACION Villeta - Cundinamarca													
	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre				
1	2.0	0.9	5.6	2.2	8.0	1.0	12.0	8.0	1.0	12.0	1.0	12.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0					
2	5.0	3.0	8.0	2.0	4.0	45.0	2.4	4.0	45.0	2.4	4.0	45.0	2.0	15.3	14.5	18.2	2.0	15.3	14.5	18.2	8.5	1.0	2.0					
3	13.0	2.0	20.6	2.0	4.2	13.0	2.0	13.0	2.0	4.2	13.0	2.0	7.2	18.5	21.3	32.7	7.2	18.5	21.3	32.7	38.0	12.0	26.5					
4	7.0	14.0	2.2	2.0	14.4	8.0	14.4	14.4	8.0	14.4	8.0	14.4	14.4	4.5	5.2	2.0	4.5	5.2	2.0	4.5	9.0	8.5	20.0					
5	16.9	25.0	3.4	1.5	15.0	2.0	1.2	15.0	2.0	1.2	15.0	2.0	25.3	28.7	2.0	25.3	28.7	2.0	25.3	28.7	32.5	1.0	22.0					
6	2.0	3.0	2.2	2.2	44.0	13.0	7.2	44.0	13.0	7.2	44.0	13.0	25.4	21.0	0.4	7.0	21.0	0.4	7.0	21.0	6.5	8.5	26.5					
7	1.8	10.3	17.4	2.0	1.5	6.1	16.0	1.5	6.1	16.0	1.5	6.1	1.8	14.2	0.4	2.5	14.2	0.4	2.5	14.2	3.0	2.0	2.0					
8	10.5	1.5	1.0	2.0	14.4	10.4	3.4	14.4	10.4	3.4	14.4	10.4	8.3	5.5	28.3	2.0	5.5	28.3	2.0	5.5	5.5	9.0	4.0					
9	14.5	38.5	0.3	2.0	24.0	2.0	9.2	24.0	2.0	9.2	24.0	2.0	8.6	4.4	12.0	2.0	4.4	12.0	2.0	4.4	14.0	14.0	12.0					
10	50.5	3.5	5.7	2.0	3.5	5.7	2.0	3.5	5.7	2.0	3.5	5.7	6.3	8.6	4.5	3.0	8.6	4.5	3.0	8.6	10.5	10.5	5.0					
11	3.0	5.0	5.0	2.0	1.6	5.4	5.4	1.6	5.4	5.4	1.6	5.4	4.3	6.3	2.0	6.2	6.3	2.0	6.2	6.3	29.0	2.0	2.0					
12	10.5	5.0	0.7	2.0	15.0	2.0	2.0	15.0	2.0	2.0	15.0	2.0	4.3	4.3	3.2	2.0	4.3	3.2	2.0	4.3	7.0	7.0	2.0					
13	1.6	8.0	0.2	2.0	3.4	6.0	2.0	3.4	6.0	2.0	3.4	6.0	2.0	39.0	24.0	2.0	39.0	24.0	2.0	39.0	8.5	8.5	2.0					
14	0.5	19.0	0.5	2.0	2.2	2.2	2.0	2.2	2.2	2.0	2.2	2.0	2.0	20.2	2.0	2.0	20.2	2.0	2.0	20.2	12.0	12.0	5.0					
15	30.5	7.8	4.5	2.0	2.0	4.0	2.0	2.0	4.0	2.0	4.0	2.0	2.0	24.8	2.0	2.0	24.8	2.0	2.0	24.8	8.0	8.0	2.0					
16	5.6	19.0	2.0	2.0	2.0	24.1	2.0	2.0	24.1	2.0	2.0	2.0	7.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5	2.5	2.0					
17	31.0	17.9	2.0	2.0	1.0	1.0	2.0	2.0	1.0	1.0	2.0	2.0	10.4	10.4	10.2	2.0	10.4	10.2	2.0	10.4	4.0	4.0	2.0					
18	0.2	20.8	1.5	0.1	15.0	8.0	2.2	15.0	8.0	2.2	1.4	1.4	4.5	8.3	36.7	18.3	8.3	36.7	18.3	8.3	10.5	10.5	1.0					
19	0.2	17.3	2.0	2.0	38.0	13.0	3.4	38.0	13.0	3.4	3.4	3.4	10.4	10.4	10.2	2.0	10.4	10.2	2.0	10.4	14.5	14.5	1.0					
20	38.0	3.0	2.0	2.0	1.2	1.4	2.0	1.2	1.4	2.0	2.0	2.0	4.5	4.3	2.4	2.0	4.3	2.4	2.0	4.3	6.5	6.5	32.5					
21	12.2	2.2	2.0	2.0	2.4	3.0	6.4	2.4	3.0	6.4	6.4	6.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	7.5	7.5	2.0					
22	12.2	2.2	2.0	2.0	2.0	19.0	2.0	2.0	19.0	2.0	2.0	2.0	2.0	15.5	3.0	2.0	15.5	3.0	2.0	15.5	30.0	30.0	16.5					
23	0.4	14.3	2.0	2.0	4.0	11.4	2.0	4.0	11.4	2.0	2.0	2.0	2.0	3.0	2.0	2.0	3.0	2.0	2.0	3.0	2.5	2.5	2.0					
24	0.2	0.2	6.0	2.0	14.4	2.0	2.0	14.4	2.0	2.0	2.0	2.0	2.0	15.5	3.0	2.0	15.5	3.0	2.0	15.5	14.0	14.0	10.0					
25	1.8	50.6	6.0	2.0	28.0	1.2	2.0	28.0	1.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	14.0	14.0	2.0					
26	111.0	210.6	206.5	51.2	23.2	28.0	73.8	137.2	221.9	188.0	83.0	83.0	133.6	111.0	210.6	206.5	51.2	23.2	28.0	73.8	187.9	187.9	126.5					
27	8	13	20	13	6	1	7	11	21	19	12	12	8	8	10	17	7	10	17	7	20	20	14					
28	8	13	20	13	6	1	7	11	21	19	12	12	8	8	10	17	7	10	17	7	20	20	14					
29	8	13	20	13	6	1	7	11	21	19	12	12	8	8	10	17	7	10	17	7	20	20	14					
30	8	13	20	13	6	1	7	11	21	19	12	12	8	8	10	17	7	10	17	7	20	20	14					
31	8	13	20	13	6	1	7	11	21	19	12	12	8	8	10	17	7	10	17	7	20	20	14					
Suma Mensual	133.6	111.0	210.6	206.5	51.2	23.2	28.0	73.8	137.2	221.9	188.0	83.0	111.5	115.3	59.1	259.1	77.0	61.9	10.0	22.0	187.9	279.5	149.0	126.5				
Dias Lluviosos	10	8	13	20	13	6	1	7	11	21	19	12	(2)	8	10	17	7	11	1	2	13	20	14	12				
Total	Total: 686 litros 117 m.m.																							TOTAL DEL AÑO	1.358.8	m.m.		

PRECIPITACION DIARIA

AÑO 1.969

ESTACION San Francisco (La Carlina) Cundinamarca

ALTURA 1.665 m.

ESTACION Albatán (El Pervenir) Cundinamarca

ALTURA 1.700 m.

Día	ESTACION San Francisco (La Carlina) Cundinamarca												ESTACION Albatán (El Pervenir) Cundinamarca													
	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre		
1	30.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
2	—	—	—	—	24.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
3	—	—	—	—	—	4.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Suma Mensual	166.0	152.6	53.2	258.4	130.1	95.7	—	31.6	113.9	533.3	255.3	65.8	50.4	77.3	201.7	97.9	79.0	99.6	20.8	17.2	149.2	173.2	141.3	77.1		
Días Umbrios	9	8	4	11	8	11	—	7	4	15	8	4	10	9	17	13	10	16	4	3	8	15	17	13		
TOTAL: días lluviosos	89												135												TOTAL DEL AÑO 1.164.7 m.m.	
TOTAL DEL AÑO	1.656.1 m.m.												1.856.1 m.m.												TOTAL DEL AÑO 1.164.7 m.m.	

PRECIPITACION DIARIA

480.1.969

ESTACION: Siboney (La Vieja) Guandamares

AÑO

ESTACION: El Colegio (Las Granjas) Candelaria

AÑO: 1.400 a.

DIA	ESTACION: Siboney (La Vieja) Guandamares											ESTACION: El Colegio (Las Granjas) Candelaria													
	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre	
1	28.7	—	2.0	—	50.5	2.0	—	—	—	13.0	—	—	—	—	—	—	—	—	—	—	—	—	—		
2	—	—	—	—	4.0	—	—	—	—	22.3	—	—	—	—	—	—	—	—	—	—	—	—	—		
3	—	—	2.9	—	60.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
4	—	—	0.8	—	2.0	—	—	—	—	13.5	—	—	—	—	—	—	—	—	—	—	—	—	—		
5	—	0.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
12	13.2	—	2.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
13	—	1.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
14	24.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
15	3.0	12.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
17	18.0	5.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
19	—	1.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
22	11.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
23	2.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
24	2.7	1.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
31	2.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Suma Mensual	105.9	22.5	15.5	233.5	170.1	43.1	26.7	18.8	108.0	376.7	175.8	36.8	—	—	—	—	—	—	—	—	—	—	—		
Días Urruñen	9	6	8	18	12	10	5	5	13	13	10	6	—	—	—	—	—	—	—	—	—	—	—		
Totales días Urruñen	115											225											TOTAL DEL AÑO	1.333.4	m.m.
Totales días Urruñen	115											225											TOTAL DEL AÑO	1.944.3	m.m.

PRECIPITACION DIARIA

AÑO 1.969

ESTACION La Mesa (P.M.) Cundinamarca

ALTURA 1.300 m.

ESTACION La Mesa (La Palma) Cundinamarca

ALTURA 1.100 m.

DIA	ESTACION La Mesa (P.M.) Cundinamarca												ESTACION La Mesa (La Palma) Cundinamarca											
	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre
1	—	—	—	—	12.4	—	—	—	26.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2	—	—	—	—	10.2	4.2	—	0.2	16.2	—	—	—	—	—	—	—	—	—	—	—	35.6	1.5	—	
3	—	—	0.4	0.6	0.6	—	0.2	0.2	5.4	—	—	—	—	—	—	—	—	—	—	—	39.5	—	—	
4	—	—	—	—	8.6	0.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.5	—	—	
5	—	2.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.7	23.7	2.5	
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.5	—	3.0	
7	—	—	0.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.0	28.8	6.3	
8	—	—	0.6	12.4	—	0.2	—	0.2	—	—	—	—	—	—	—	—	—	—	—	—	13.6	2.5	—	
9	—	0.8	—	—	0.4	8.4	0.4	0.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
11	0.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
12	2.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
13	1.0	2.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
14	12.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
16	16.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
17	8.2	4.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
18	0.6	10.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
19	18.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
21	6.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
24	1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
25	12.4	4.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
26	10.2	3.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
31	8.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Suma Mensual	99.2	29.0	2.4	187.2	50.6	32.8	7.8	8.4	143.2	192.2	124.6	—	—	—	—	—	—	—	—	—	—	—	—	
Días con Lluvias	13	8	5	20	13	15	12	16	11	17	18	—	—	—	—	—	—	—	—	—	—	—	—	
Total: días lluviosos 148												TOTAL DEL AÑO 877.4 m.m.												
Total: días lluviosos 120												TOTAL DEL AÑO 1.527.2 m.m.												

PRECIPITACION DIARIA

AÑO 1969

ESTACION La Palma - Cundinamarca

ALTURA 1.360 m. ESTACION Vicos (Atala) Cundinamarca

ALTURA 1.160 m.

DIA	ESTACION Vicos (Atala) Cundinamarca												ESTACION La Palma - Cundinamarca											
	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre
1	—	—	—	4.0	6.6	26.6	—	—	9.4	—	22.2	—	—	—	—	—	—	—	—	—	—	—	—	
2	—	—	—	3.0	59.0	41.0	—	21.2	0.4	3.0	50.2	21.6	—	—	—	—	—	—	—	—	—	—	—	
3	—	—	8.4	—	2.6	5.4	—	—	—	2.2	10.0	—	—	—	—	—	—	—	—	—	—	—	—	
4	—	2.2	—	23.0	20.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
5	25.4	5.8	—	—	7.0	—	4.6	1.4	—	5.4	8.0	13.6	—	—	—	—	—	—	—	—	—	—	—	
6	9.0	27.6	—	20.0	—	5.4	—	3.2	—	4.0	—	6.0	—	—	—	—	—	—	—	—	—	—	—	
7	—	6.0	—	3.4	—	29.0	—	—	—	6.6	4.8	—	—	—	—	—	—	—	—	—	—	—	—	
8	—	5.8	—	6.6	—	—	—	6.0	3.2	—	11.4	—	—	—	—	—	—	—	—	—	—	—	—	
9	—	—	—	3.2	22.2	5.6	—	—	0.8	8.0	0.5	—	—	—	—	—	—	—	—	—	—	—	—	
10	—	—	1.0	10.0	2.6	12.2	—	—	—	6.0	1.0	0.8	—	—	—	—	—	—	—	—	—	—	—	
11	—	—	5.4	8.0	20.0	—	—	—	—	10.0	5.0	10.0	—	—	—	—	—	—	—	—	—	—	—	
12	25.0	—	5.0	—	—	2.2	—	—	—	4.6	15.0	5.2	—	—	—	—	—	—	—	—	—	—	—	
13	35.4	—	—	2.8	7.0	—	—	—	—	27.6	19.0	15.4	—	—	—	—	—	—	—	—	—	—	—	
14	37.8	—	—	10.4	5.0	—	—	—	—	18.6	22.2	28.2	—	—	—	—	—	—	—	—	—	—	—	
15	8.0	—	—	33.0	8.0	—	—	—	—	2.2	—	—	—	—	—	—	—	—	—	—	—	—	—	
16	6.0	—	—	—	2.0	—	—	21.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
17	—	—	—	2.0	1.6	5.2	—	—	—	9.4	—	—	—	—	—	—	—	—	—	—	—	—	—	
18	7.0	5.0	—	6.0	—	3.6	—	31.2	22.0	—	—	4.0	—	—	—	—	—	—	—	—	—	—	—	
19	7.4	—	—	9.0	2.6	—	—	—	—	—	28.0	—	—	—	—	—	—	—	—	—	—	—	—	
20	9.2	—	9.4	2.0	—	2.0	—	—	5.4	—	23.2	20.0	—	—	—	—	—	—	—	—	—	—	—	
21	—	—	5.2	1.6	—	—	—	—	3.4	—	1.6	—	—	—	—	—	—	—	—	—	—	—	—	
22	5.2	21.0	5.0	2.6	1.0	—	—	—	4.0	5.0	7.8	—	—	—	—	—	—	—	—	—	—	—	—	
23	—	—	—	—	2.6	—	—	—	5.0	—	1.0	—	—	—	—	—	—	—	—	—	—	—	—	
24	—	—	1.4	8.0	—	1.4	—	—	36.0	15.4	1.6	—	—	—	—	—	—	—	—	—	—	—	—	
25	—	9.0	7.6	1.6	—	1.0	—	—	7.4	0.2	—	—	—	—	—	—	—	—	—	—	—	—	—	
26	—	1.0	0.6	—	—	—	—	—	2.2	51.8	5.2	28.8	—	—	—	—	—	—	—	—	—	—	—	
27	—	—	—	—	—	—	—	—	27.0	16.0	0.6	—	—	—	—	—	—	—	—	—	—	—	—	
28	—	—	6.2	23.4	—	—	—	—	5.6	19.0	0.2	—	—	—	—	—	—	—	—	—	—	—	—	
29	—	—	40.0	4.6	—	1.0	—	—	4.0	25.4	7.4	25.2	—	—	—	—	—	—	—	—	—	—	—	
30	—	—	10.0	9.0	—	—	—	—	4.0	8.6	—	17.4	—	—	—	—	—	—	—	—	—	—	—	
31	—	—	1.6	10.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Suma Mensal	155.4	88.8	106.8	263.8	166.2	144.0	7.6	131.0	203.0	293.1	150.3	—	—	—	—	—	—	—	—	—	—	—	—	
Dias Ultimos	11	10	14	26	15	15	2	12	16	25	21	13	—	—	—	—	—	—	—	—	—	—	—	
Total: días lluviosos 100												Total: días lluviosos 130												
TOTAL DEL AÑO 1.953.0 m.m.												TOTAL DEL AÑO 1.477.0 m.m.												

PRECIPITACION DIARIA

AÑO 19-69

ESTACION_Busenauerd (Bethania) Cundinamarca

ALTURA 1.380 m. ESTACION_Putasunguá (Valerilico) Cundinamarca

ALTURA 1.450 m.

DIA	ESTACION_Busenauerd (Bethania) Cundinamarca										ESTACION_Putasunguá (Valerilico) Cundinamarca													
	Enero	Febrero	Marto	Abril	Mayo	Junio	Julio	Agosto	Septbre.	Octubre	Novbre.	Diciembre.	Enero	Febrero	Marto	Abril	Mayo	Junio	Julio	Agosto	Septbre.	Octubre	Novbre.	Diciembre.
1	10.0				20.0	10.0			10.0	10.0			6.5				23.0	0.5						
2	5.0	5.0			42.0		5.0		13.0		12.0		2.0				1.4	8.4				11.2		
3		10.0				5.0				15.0	18.0			2.4			7.5	3.8				20.5		
4		20.0			15.0					20.0	10.0				2.0	5.0	0.5					16.0		
5		20.0			22.0	10.0	5.0		20.0	20.0	13.0			0.1	6.0	1.0	2.5					1.5		
6		10.0									9.0											0.8	5.5	
7					20.0				30.0	25.0	12.0						8.2					12.2		
8					22.0						6.0			1.4			6.7	14.5	6.4			38.3	2.1	
9						25.0	15.0				18.0					18.1	12.7	6.4					1.5	
10					5.0				15.0		8.0			8.2		0.3	0.8					12.2	3.0	
11																28.5						18.4	2.1	
12					30.0	10.0			20.0	10.0	8.0			4.5	3.0	17.6	5.5					22.9		
13						15.0			20.0		14.0					1.0	1.5					0.6	2.1	
14		10.0			5.0						6.0			4.2		28.8	16.3					5.6	0.8	
15	5.0				35.0						19.0			8.8	5.0	4.3	0.8					1.5	0.5	
16	5.0				8.0											5.7	1.4					0.6	2.1	
17					13.0									0.4	4.0	27.0		8.8				3.3		
18		5.0			9.0										0.5	1.0	1.6	1.2				2.4	18.3	
19						10.0			12.0	15.0	32.0					0.8	15.0	3.0				0.5	6.0	
20		10.0														1.4		28.0					6.0	
21					10.0											1.4								
22																0.2	3.5	6.1				3.2		
23		10.0				5.0								2.4		0.2	2.6	1.4				1.5	9.7	
24	15.0	10.0												6.5	0.8	4.8						32.5	47.1	
25	10.0	5.0			10.0						8.0					5.0	1.0	1.8				2.2	31.5	
26																	3.5	13.8					0.8	
27		5.0				15.0	5.0		5.0						1.2									
28	10.0	5.0				10.0										0.8	0.8							
29	5.0				32.0	10.0			15.0							5.2	24.0		1.2					
30											7.0			1.5		10.5								
31																	21.4							
Suma Mensual	65.0	125.0	10.0	223.0	212.0	60.0	35.0		92.0	228.0	254.0	183.0	68.1	26.7	7.3	202.4	151.1	74.4	14.3	30.4	211.4	103.0	38.7	
Días lluviosos	8	12	1	14	13	7	5		7	12	17	16	10	10	3	23	22	12	3	8	9	21	11	
Total: días lluviosos	112											151											TOTAL DEL AÑO 1.023.8 m.m.	

PRECIPITACION DIARIA

AÑO 1.959

52

ESTACION Puzosungui (P.M.) Condicionaroca

ALTURA 1.420 m.

ESTACION Puzosungui (Las Metecodes)

ALTURA

DIA	ESTACION Puzosungui (P.M.) Condicionaroca												ESTACION Puzosungui (Las Metecodes)											
	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre
1	5.0	0.5	—	—	50.3	—	—	—	15.0	—	—	—	—	—	20.0	—	4.0	12.0	—	—	—	—	—	
2	—	—	5.2	—	—	1.3	—	—	20.0	—	—	—	—	—	10.0	—	16.0	6.0	—	—	—	—	—	
3	—	—	—	—	12.0	—	—	—	6.3	—	—	—	—	—	20.0	—	26.0	4.0	—	—	—	—	—	
4	—	1.0	—	—	2.3	2.1	—	—	30.5	4.9	—	—	—	—	8.0	10.0	—	—	—	—	—	—	—	
5	—	—	—	—	7.0	23.0	2.9	—	27.0	—	—	—	—	—	—	12.0	6.0	—	—	—	—	—	—	
6	—	—	—	—	5.5	1.4	—	—	12.8	—	—	—	—	—	—	0.0	12.0	—	—	—	—	—	—	
7	—	—	—	—	—	6.9	—	—	4.2	—	—	—	—	—	2.0	—	14.0	2.0	—	—	—	—	—	
8	—	17.0	—	—	16.0	17.0	—	—	7.4	—	—	—	—	—	—	20.0	16.0	8.0	—	—	—	—	—	
9	—	1.3	—	—	24.0	11.0	—	—	9.3	—	—	—	—	—	—	10.0	32.0	20.0	—	—	—	—	—	
10	—	—	—	—	7.3	—	—	—	4.9	—	—	—	—	—	—	30.0	46.0	18.0	—	—	—	—	—	
11	—	—	—	—	9.2	—	—	—	5.3	—	—	—	—	—	—	40.0	60.0	10.0	—	—	—	—	—	
12	8.0	—	—	—	5.0	4.5	—	—	2.4	—	—	—	—	—	4.0	—	18.0	18.0	—	—	—	—	—	
13	—	—	—	—	6.2	2.0	—	—	16.3	—	—	—	—	—	—	30.0	2.0	—	—	—	—	—	—	
14	7.0	—	—	—	4.0	—	—	—	6.9	—	—	—	—	—	—	30.0	2.0	—	—	—	—	—	—	
15	5.0	—	—	—	42.0	4.5	—	—	12.3	—	—	—	—	—	—	—	18.0	32.0	4.0	—	—	—	—	
16	—	—	—	—	2.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
17	—	—	—	—	8.0	—	—	—	6.7	12.0	—	—	—	—	4.0	—	—	—	—	—	—	—	—	
18	—	—	—	—	—	—	—	—	—	17.0	—	—	—	—	—	—	—	—	—	—	—	—	—	
19	—	—	—	—	1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
20	—	—	—	—	—	37.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
21	—	—	—	—	—	35.0	10.6	—	5.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
22	—	—	—	—	—	4.0	—	—	7.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
23	6.5	—	—	—	—	7.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
24	18.5	—	—	—	—	3.0	—	—	3.0	9.5	9.8	3.9	—	—	—	—	—	—	—	—	—	—	—	
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Suma Mensual	44.8	25.8	18.7	186.2	169.7	93.5	8.2	18.3	123.7	227.8	103.1	26.5	16.0	94.0	70.0	518.0	422.0	192.0	—	—	—	—	—	—
Dias Lluviosos	6	4	4	21	12	9	2	4	8	25	9	4	3	8	6	24	22	17	—	—	—	—	—	—
Total: dias lluviosos 108													TOTAL DEL AÑO 1.061.5 m.m.											
Total: dias lluviosos 108													TOTAL DEL AÑO (1.272.0) m.m.											

PRECIPITACION DIARIA

AÑO 1-969

ALTURA 1.800 m.

ESTACION Machets - Cundinamarca

ESTACION Oachets - Cundinamarca

ALTURA 1.760 m.

DIA	ESTACION Oachets - Cundinamarca												ESTACION Machets - Cundinamarca															
	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre				
1	5.0	12.0	11.0	2.0	2.0	6.0	4.0	3.1	15.0	2.0	2.0	0.1	4.0	15.0	3.0	4.0	0.2	2.0	0.2	2.0	0.2	2.0	0.2	2.0				
2	12.0	11.0	2.0	2.0	2.0	12.0	14.2	12.0	5.0	22.0	1.0	4.0	2.2	2.0	9.0	2.0	7.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2				
3	11.0	13.0	13.0	2.0	2.0	12.0	12.0	0.2	57.0	1.0	1.0	1.0	2.2	2.0	11.0	1.0	9.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1				
4	2.0	3.1	8.0	8.0	1.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	14.2	2.3	2.3	5.3	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0				
5	8.0	2.0	2.0	2.0	2.0	3.0	10.0	4.0	1.0	5.2	2.0	2.0	2.1	8.0	8.0	6.0	2.1	10.0	10.0	10.0	10.0	10.0	10.0	10.0				
6	8.0	2.0	2.0	2.0	2.0	11.0	3.2	3.2	15.0	25.2	2.0	4.0	10.1	3.0	2.1	2.3	1.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3				
7	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0				
8	18.0	22.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	26.0	4.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0				
9	14.0	20.0	2.0	2.0	2.0	8.2	12.2	5.2	2.0	2.0	2.0	2.0	12.1	4.0	3.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0				
10	25.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	14.1	1.0	7.2	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0				
11	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.1	2.0	4.3	10.0	5.3	3.0	3.0	3.0	3.0	3.0	3.0	3.0				
12	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	14.0	2.0	4.3	5.3	8.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3				
13	8.2	10.0	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	6.3	6.0	12.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0				
14	0.2	9.0	8.0	3.2	7.0	20.1	20.1	22.0	22.0	22.0	22.0	22.0	10.1	6.3	12.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0				
15	8.0	7.3	18.0	4.0	4.0	4.0	4.0	2.0	0.2	8.0	2.0	2.0	15.0	4.1	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0				
16	5.0	2.0	6.2	14.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	20.3	6.1	15.2	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0				
17	25.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	15.2	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0				
18	3.0	5.0	8.0	5.2	8.0	14.0	14.0	4.0	4.0	4.0	4.0	4.0	10.2	2.1	1.0	1.0	7.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0				
19	5.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	8.0	6.0	8.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0				
20	12.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	8.1	7.3	3.0	1.3	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0				
21	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	26.0	2.1	26.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1				
22	12.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	26.0	2.1	26.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1				
23	12.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	26.0	2.1	26.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1				
24	12.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	26.0	2.1	26.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1				
25	7.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	8.0	10.0	11.0	4.3	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0				
26	2.0	10.0	12.0	4.0	3.2	18.1	2.0	5.0	5.0	5.0	5.0	5.0	4.1	9.3	6.0	3.0	1.7	4.5	4.5	4.5	4.5	4.5	4.5	4.5				
27	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	10.1	14.0	3.0	3.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0				
28	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	6.0	2.0	11.0	6.5	11.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1				
29	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	12.0	15.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0				
30	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0				
31	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0				
Suma Mensual	96.4	69.1	41.0	130.5	171.7	115.4	152.8	171.2	90.0	271.8	151.8	54.3	184.6	212.4	162.6	152.3	109.9	71.5	81.4	33.5	26.1	81.4	33.5	26.1				
Dias Ufiosos	1:1	11	8	13	20	16	22	22	13	21	15	11	20	27	26	25	20	15	20	18	18	20	18	7				
Total: dias lluviosos	183												181												TOTAL DEL AÑO 1.048.7		mm.	

PRECIPITACION DIARIA

AÑO 1-1-959

ESTACION Agrudas (Ocuaymaral) Caidas

ALTURA 1.450 m.

ESTACION Salamina (Llanadas) Caidas

ALTURA 1.500 m.

DIA	ESTACION Agrudas (Ocuaymaral) Caidas														ESTACION Salamina (Llanadas) Caidas																
	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre							
1	—	—	10.0	0.5	—	5.0	—	—	3.5	9.0	5.0	10.0	—	—	—	2.2	2.5	0.5	4.0	—	5.5	—	1.0								
2	—	—	12.0	—	2.0	34.0	—	—	—	28.5	8.0	7.0	—	—	13.0	20.0	34.0	1.0	3.3	15.2	—	56.5	8.5								
3	—	1.0	8.0	30.0	5.0	—	—	—	4.0	—	—	7.0	—	—	3.3	28.0	1.8	33.5	1.3	—	21.5	—	12.0								
4	3.0	—	—	1.5	1.0	2.0	—	—	—	31.0	5.5	20.0	—	—	4.0	13.5	12.0	7.0	—	—	—	42.5	27.8								
5	—	5.0	—	—	3.0	4.0	—	—	—	7.0	—	9.0	—	—	12.0	—	—	0.5	—	—	—	—	14.5								
6	—	—	—	—	9.0	2.0	—	—	—	—	—	—	—	—	8.0	—	23.0	2.0	1.8	—	—	—	—								
7	—	—	—	49.0	20.0	—	—	—	—	5.0	19.0	1.5	—	—	19.5	—	59.5	34.0	—	—	—	—	—								
8	—	4.0	—	2.0	25.0	1.5	8.0	—	—	30.0	2.0	12.5	—	—	4.5	4.0	—	—	—	—	—	—	—								
9	1.0	—	—	29.0	16.0	6.0	—	—	—	5.0	3.5	—	—	—	1.0	5.3	—	—	—	—	—	—	—								
10	—	—	—	6.0	—	—	—	—	—	—	—	—	—	—	17.5	1.8	—	—	—	—	—	—	—								
11	5.0	—	—	7.0	—	3.0	—	—	—	2.5	3.0	—	—	—	0.7	—	14.0	30.0	2.5	—	—	—	—								
12	1.0	—	—	2.0	4.0	—	—	—	—	—	1.0	1.0	—	—	25.0	—	—	2.0	18.0	4.5	—	—	—								
13	18.0	—	—	—	—	5.0	—	—	—	—	—	7.0	—	—	—	—	38.0	1.7	1.8	—	—	—	—								
14	—	10.5	3.0	30.0	28.0	2.0	—	—	—	8.0	—	—	—	—	—	—	—	—	—	—	—	—	—								
15	—	3.0	—	—	—	—	—	—	—	14.0	1.0	13.5	26.0	—	—	—	—	—	—	—	—	—	—								
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
17	—	—	—	6.0	10.0	—	—	—	—	16.0	3.0	6.0	32.0	—	—	—	—	—	—	—	—	—	—								
18	—	—	—	8.0	18.0	5.0	—	—	—	5.0	7.0	—	—	—	—	—	—	—	—	—	—	—	—								
19	3.0	—	—	2.0	—	3.0	—	—	—	32.0	30.5	—	—	—	—	—	—	—	—	—	—	—	—								
20	23.0	—	—	12.0	3.0	10.0	—	—	—	2.0	49.5	—	—	—	—	—	—	—	—	—	—	—	—								
21	—	—	—	7.0	26.0	—	—	—	—	6.0	4.0	1.0	—	—	—	—	—	—	—	—	—	—	—								
22	—	—	—	39.0	—	—	—	—	—	4.5	14.5	43.0	—	—	—	—	—	—	—	—	—	—	—								
23	2.0	4.5	27.5	50.0	—	—	—	—	—	3.0	11.5	2.0	—	—	—	—	—	—	—	—	—	—	—								
24	—	—	—	2.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
25	9.0	—	—	—	—	—	—	—	—	10.0	—	3.0	—	—	—	—	—	—	—	—	—	—	—								
26	—	7.5	3.0	—	1.0	2.0	—	—	—	1.0	5.0	—	—	—	—	—	—	—	—	—	—	—	—								
27	—	3.0	—	—	—	3.0	—	—	—	8.0	15.0	—	—	—	—	—	—	—	—	—	—	—	—								
28	—	—	—	9.0	2.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—								
29	—	—	—	6.0	9.0	—	—	—	—	1.0	30.0	2.0	2.0	—	—	—	—	—	—	—	—	—	—								
30	—	—	—	—	—	—	—	—	—	11.0	6.0	1.5	5.0	—	—	—	—	—	—	—	—	—	—								
31	1.0	—	—	—	14.0	—	—	—	—	7.0	3.0	1.0	9.0	5.0	—	—	—	—	—	—	—	—	—								
Suma Mensual	66.0	38.5	94.5	371.0	190.0	109.5	34.0	136.0	182.0	331.5	239.5	102.5	—	—	69.7	93.6	72.8	364.3	396.9	94.3	29.1	230.2	229.1	271.0	179.1	112.5					
Dias Confinos	10	6	11	23	19	5	21	17	24	24	14	—	—	—	8	11	10	23	24	19	9	22	15	20	22	13					
Total días lluviosos	195														195														TOTAL DEL AÑO	1,924.6	m.m.

PRECIPITACION DIARIA

AÑO 1.959

ESTACION Bolsones (El Carmez) Caldas

ALTURA 1.800 m. ESTACION Palestina (Granja Inaber) Caldas

ALTURA 1.200 m.

Día	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre	
1	—	—	—	—	3.0	—	4.5	—	—	1.0	—	—	
2	—	—	—	—	—	—	—	—	—	30.0	12.0	—	
3	—	—	—	—	—	40.0	—	—	—	40.0	—	—	
4	—	—	—	50.0	22.0	—	—	34.0	—	50.5	4.0	—	
5	—	13.0	—	—	—	—	—	—	—	—	12.0	—	
6	—	—	—	21.0	—	—	—	—	—	—	—	—	
7	—	17.0	—	—	40.0	—	—	—	—	10.0	33.0	—	
8	—	—	—	67.0	9.0	—	—	34.0	—	—	—	—	
9	—	—	—	—	23.0	—	—	2.0	—	26.0	10.0	—	
10	—	—	—	22.0	21.0	21.0	23.0	—	—	—	14.0	—	
11	—	50.0	—	—	—	—	—	—	—	—	—	—	
12	—	4.0	26.5	—	—	—	—	—	—	—	28.0	—	
13	—	—	—	—	18.0	23.0	—	—	—	26.0	—	—	
14	16.0	—	—	40.0	15.0	—	—	—	4.0	—	36.0	—	
15	—	—	—	4.0	9.0	—	—	10.0	—	—	2.0	—	
16	—	—	—	5.0	17.0	—	—	17.0	16.0	—	—	—	
17	—	—	—	—	—	—	—	—	3.0	—	—	—	
18	14.0	—	—	—	1.0	—	—	70.5	—	—	11.0	—	
19	—	—	—	—	—	—	—	—	—	—	41.0	—	
20	—	—	—	—	—	10.0	—	4.0	—	—	—	—	
21	—	—	—	13.5	—	—	—	—	24.0	35.0	—	—	
22	—	—	—	14.5	20.0	—	—	—	—	—	3.0	—	
23	5.0	—	—	—	—	—	—	—	—	14.0	—	—	
24	16.0	50.0	—	56.0	—	—	—	—	—	—	—	—	
25	—	—	—	24.5	—	—	—	—	12.0	—	—	—	
26	—	—	—	20.0	—	34.0	—	2.0	—	—	12.0	—	
27	—	—	—	4.0	2.0	—	—	30.0	34.0	—	10.0	—	
28	—	—	—	—	—	—	—	40.5	70.0	—	—	—	
29	—	—	—	10.0	—	—	20.0	—	2.0	—	—	—	
30	—	—	—	25.0	—	—	30.0	—	—	—	14.0	—	
31	—	—	—	27.5	27.5	—	7.0	—	—	—	—	—	
Suma Mensual	71.0	134.0	102.5	336.0	227.5	138.5	64.5	252.0	165.0	232.5	242.0	—	
Días Limpios	4	5	5	13	14	5	5	10	8	9	15	—	
Total: días lluviosos 93												TOTAL DEL AÑO 1.959-5 m.m.	
Total: días lluviosos 152												TOTAL DEL AÑO 2.223.3 m.m.	
Total: días lluviosos 152												TOTAL DEL AÑO 2.223.3 m.m.	

PRECIPITACION DIARIA

AÑO 1959

ESTACION Manizales (La Arriba) Caldas

ESTACION Pensilvania (La Playa) Caldas

ALTURA 1.640 m.

ALTURA

DIA	ESTACION Pensilvania (La Playa) Caldas												ESTACION Manizales (La Arriba) Caldas															
	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre				
1	4.0	4.5	5.5	1.0	1.0	1.0	—	—	32.0	—	9.0	—	—	4.0	10.0	—	—	—	—	—	2.5	6.0	—					
2	—	—	—	—	17.5	9.5	—	1.0	14.0	34.0	36.0	—	—	—	15.0	—	—	—	—	—	20.0	10.0	—					
3	—	—	7.0	—	14.5	4.5	—	—	20.0	—	7.0	—	—	—	6.5	8.0	0.6	8.0	—	—	38.0	23.0	—					
4	—	—	—	—	—	—	—	—	27.0	30.5	12.5	—	—	—	3.0	10.0	12.5	—	—	—	39.5	—	—					
5	24.5	—	—	—	—	—	—	7.5	21.0	2.5	9.5	—	—	—	6.0	—	—	—	—	—	11.5	—	—					
6	—	2.5	—	20.5	—	—	—	5.5	14.0	8.5	—	—	—	—	—	15.0	—	—	—	—	7.2	—	—					
7	—	44.5	—	2.0	—	—	4.0	—	43.5	2.0	—	—	—	—	—	20.0	25.5	0.5	2.0	—	—	12.0	—					
8	—	10.0	—	26.0	3.0	—	—	1.0	17.0	—	22.0	14.0	—	—	5.0	28.5	13.0	—	2.5	—	—	3.0	36.0					
9	—	17.0	—	12.0	51.0	22.5	—	2.0	—	18.0	—	—	—	—	—	53.0	—	—	—	—	25.6	2.0	—					
10	—	—	4.0	5.0	1.5	5.0	—	2.5	—	13.0	2.0	14.0	—	—	—	15.4	—	—	—	—	12.0	29.0	60.2					
11	15.5	—	7.0	12.0	—	2.0	—	7.5	—	10.0	—	7.5	—	—	—	—	0.5	—	25.0	—	—	18.0	—					
12	2.0	—	1.0	53.5	—	2.0	—	12.5	—	14.5	—	22.5	—	—	—	—	1.0	—	7.0	—	—	17.0	5.5					
13	2.0	—	23.0	42.5	3.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
14	5.0	—	—	16.5	11.0	31.0	—	14.5	38.0	23.5	—	2.5	—	—	—	15.5	17.5	—	2.0	—	—	—	—					
15	—	—	—	—	8.5	8.0	—	1.0	31.0	—	2.0	18.5	—	—	—	—	—	10.0	—	—	—	—	—					
16	13.5	—	—	10.0	—	—	—	32.0	11.0	—	20.0	—	—	—	—	25.5	28.2	—	31.0	—	—	27.5	—					
17	8.0	—	1.0	17.0	17.0	17.8	—	7.0	19.5	—	10.0	—	—	—	—	—	—	20.0	23.0	23.0	13.2	15.2	—					
18	26.5	16.5	—	19.0	5.0	17.5	—	51.0	—	—	11.0	—	—	—	7.0	—	11.0	—	33.0	17.5	19.0	14.5	—					
19	4.0	—	—	42.0	—	11.5	—	10.0	2.5	—	4.5	28.0	—	—	26.0	—	2.0	—	—	35.0	35.0	30.0	—					
20	3.5	—	39.0	—	5.0	—	—	10.0	—	34.0	—	8.5	—	—	—	25.0	—	16.5	7.0	6.0	—	—	5.0					
21	—	—	—	28.5	8.5	—	—	11.5	9.0	—	—	14.0	—	—	—	—	—	6.0	—	—	2.0	—	18.7					
22	18.0	—	—	—	2.0	—	—	12.5	20.0	5.0	—	—	—	—	—	—	—	—	—	—	—	—	—					
23	9.5	44.5	—	51.5	—	—	—	13.0	5.0	8.5	8.5	—	—	—	—	—	—	—	—	—	25.5	—	—					
24	4.5	3.0	37.0	37.5	—	—	—	5.0	28.0	—	—	15.5	—	—	—	—	—	—	—	—	—	—	—					
25	—	39.0	3.5	—	—	—	—	2.5	7.0	—	9.5	—	—	—	—	—	—	—	—	—	—	—	—					
26	—	3.0	—	—	—	13.0	—	6.0	10.5	6.5	3.0	5.0	—	—	—	—	—	—	—	—	—	—	—					
27	—	—	11.0	—	—	3.0	—	3.0	34.0	5.0	—	—	—	—	—	—	—	—	—	—	—	—	—					
28	2.5	—	2.5	3.0	4.0	3.5	—	10.5	25.0	—	8.0	—	—	—	—	—	—	—	—	—	—	—	—					
29	—	—	—	—	—	—	—	—	16.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
30	—	—	—	26.0	14.0	—	—	11.5	20.0	—	2.5	—	—	—	—	—	—	—	—	—	—	—	—					
31	—	—	—	—	27.0	—	—	—	—	51.0	—	—	—	—	—	—	—	—	—	—	—	—	—					
Suma Mensual	138.0	184.5	194.5	449.0	221.5	144.3	32.0	256.5	276.5	344.5	215.0	208.5	—	—	115.0	179.0	305.4	292.0	17.5	51.1	242.1	174.0	403.0	196.2	188.9			
Dias Lluviosos	15	10	14	22	18	15	3	21	18	18	18	16	—	—	6	6	14	18	16	1	4	17	9	22	15	6		
Total: días lluviosos	188												134												TOTAL DEL AÑO 2,231.7		m.m.	

PRECIPITACION DIARIA

AÑO 1.969

ESTACION Anseram(Villakonney) Caldas

ALTURA

ESTACION Encinales(San Dolores) Caldas

ALTURA

Dia	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiema	Octubre	Noviembre	Diciembre
1	2.3	8.0	6.0	1.8	—	—	—	—	—	—	—	—
2	—	6.2	26.1	0.2	—	—	—	—	—	—	—	—
3	—	6.1	—	—	—	—	—	—	—	—	—	—
4	—	—	4.2	4.0	—	—	—	—	—	—	—	—
5	—	—	2.2	6.1	—	—	—	—	—	—	—	—
6	—	—	19.2	10.0	4.2	—	—	—	—	—	—	—
7	—	16.1	—	—	—	—	—	—	—	—	—	—
8	—	—	28.2	4.2	—	—	—	—	—	—	—	—
9	—	16.2	—	—	—	—	—	—	—	—	—	—
10	—	—	6.2	—	—	—	—	—	—	—	—	—
11	20.0	—	—	—	—	—	—	—	—	—	—	—
12	—	—	—	6.1	10.2	—	—	—	—	—	—	—
13	22.0	—	—	18.1	10.0	4.0	16.2	—	—	—	—	—
14	12.0	—	—	—	6.2	—	—	—	—	—	—	—
15	—	—	—	72.2	2.0	6.2	—	—	—	—	—	—
16	10.0	12.2	—	6.2	—	—	—	—	—	—	—	—
17	—	2.2	—	—	—	—	—	—	—	—	—	—
18	6.2	—	—	4.3	—	—	—	—	—	—	—	—
19	—	—	—	4.2	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—
21	—	—	—	10.2	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	—	—	—	—
23	4.0	16.0	—	—	—	—	—	—	—	—	—	—
24	—	4.2	26.1	20.0	—	—	—	—	—	—	—	—
25	—	8.0	10.2	6.0	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	—	—	—	—	—	—
27	—	—	—	4.2	4.0	—	—	—	—	—	—	—
28	—	2.0	11.0	2.1	—	—	—	—	—	—	—	—
29	—	—	8.2	2.0	16.2	—	—	—	—	—	—	—
30	—	—	2.2	4.2	—	—	—	—	—	—	—	—
31	—	—	12.0	—	—	—	—	—	—	—	—	—
Suma Mensual	76.5	83.0	106.4	265.4	159.8	83.2	30.7	233.9	132.0	207.5	142.4	96.5
Dias Uñidos	7	9	11	19	17	10	3	15	14	16	14	13
Total: Dias lluviosos	150											
Total: Dias lluviosos	204											
Total: Dias lluviosos	204											
TOTAL DEL AÑO	2.122.1											
TOTAL DEL AÑO	2.122.1											
TOTAL DEL AÑO	2.122.1											

PRECIPITACION DIARIA

ANO 1.959

ALTURA 1.570

ESTACION: Marquetalia (Santa Elena) Caldas

ALTURA

ESTACION: Pensilvania (La Marina) Caldas

Dia	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre
1	11.0	7.5	—	—	—	0.5	—	—	—	—	—	18.0
2	—	6.5	33.0	6.0	—	—	—	—	—	—	—	16.5
3	—	—	15.5	28.5	—	—	—	—	—	—	—	20.5
4	—	123.5	38.0	26.5	6.5	—	—	—	—	—	—	32.0
5	27.5	—	—	—	5.0	—	—	—	—	—	—	12.5
6	2.0	—	20.5	—	—	—	—	—	—	—	—	38.5
7	89.5	13.0	11.5	1.5	—	—	—	—	—	—	—	17.0
8	6.0	—	25.0	—	—	—	—	—	—	—	—	26.0
9	29.5	—	—	50.0	—	—	—	—	—	—	—	7.0
10	7.0	—	14.0	23.5	18.5	—	—	—	—	—	—	8.0
11	—	—	14.0	12.5	—	—	—	—	—	—	—	11.0
12	9.5	—	12.5	49.5	—	1.5	—	—	—	—	—	15.0
13	—	5.5	19.5	14.0	—	22.5	—	—	—	—	—	12.5
14	6.5	—	17.5	33.5	14.5	—	—	—	—	—	—	11.5
15	—	—	—	2.5	1.5	—	—	—	—	—	—	32.0
16	24.5	—	—	12.5	7.5	—	—	—	—	—	—	33.0
17	8.0	—	17.0	10.0	32.5	—	—	—	—	—	—	4.0
18	11.5	10.0	—	33.0	3.0	20.0	—	—	—	—	—	72.5
19	5.0	—	—	5.5	—	1.5	—	—	—	—	—	11.5
20	5.5	—	—	—	—	1.5	—	—	—	—	—	11.0
21	6.5	1.5	—	41.5	8.0	—	—	—	—	—	—	2.0
22	8.5	27.0	—	19.0	14.5	—	—	—	—	—	—	8.5
23	—	—	—	71.0	—	—	—	—	—	—	—	3.5
24	—	17.5	14.5	36.0	—	16.5	—	—	—	—	—	3.5
25	—	100.5	31.0	2.5	—	0.5	—	—	—	—	—	4.0
26	8.0	14.5	—	—	—	12.0	—	—	—	—	—	3.0
27	—	—	—	42.5	—	—	—	—	—	—	—	10.0
28	—	—	—	4.5	14.5	4.0	6.5	—	—	—	—	15.0
29	10.0	—	—	—	—	1.5	—	—	—	—	—	8.0
30	31.0	—	—	—	—	—	—	—	—	—	—	10.0
31	—	—	—	39.0	44.0	—	—	—	—	—	—	15.0
Suma Mensual	132.0	320.5	357.5	475.0	263.5	155.0	25.5	246.0	254.5	352.0	219.5	255.5
Dias Lluviosos	12	14	13	22	16	15	3	17	15	24	18	16
Total: dias lluviosos	185											
Total: dias lluviosos	173											
TOTAL DEL AÑO	3.162.0 m.m.											
TOTAL DEL AÑO	3.056.5 m.m.											

PRECIPITACION DIARIA

AÑO 1968

ESTACION Perote (La Kerosed) Hlaorelda

ESTACION Quilabaya -Quilaco

ALTURA 1,600 m.

DIA	ESTACION Perote (La Kerosed) Hlaorelda												ESTACION Quilabaya -Quilaco											
	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre
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Suma Mensual	47.0	94.0	51.0	426.0	242.0	108.0	24.0	92.0	348.0	327.0	194.1	55.0	47.0	94.0	51.0	426.0	242.0	108.0	24.0	92.0	348.0	327.0	194.1	55.0
Días Lluviosos	7	8	9	17	18	13	3	12	13	19	16	9	7	8	9	17	18	13	3	12	13	19	16	9
TOTAL DEL AÑO	TOTAL DEL AÑO 1,028.0 m.m.												TOTAL DEL AÑO 2,058.1 m.m.											
TOTAL DÍAS Lluviosos	93												144											

PRECIPITACION DIARIA
AÑO 1.962

ESTACION Paravira (Los Cábunlos) Huaracaldo

ALTURA 1.350 m.

ESTACION Paravira(En Pastora) Huaracaldo

ALTURA

DIA	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre	
1	4.0	—	—	—	30.0	0.5	2.0	—	0.5	13.0	—	—	
2	—	—	2.0	14.0	60.0	2.0	0.5	—	—	28.5	28.5	8.0	
3	—	—	—	—	—	24.0	—	—	—	3.5	—	24.0	
4	—	1.0	4.5	32.5	10.0	2.0	—	2.0	—	18.5	—	7.0	
5	—	18.0	—	12.0	—	5.5	—	6.0	—	—	11.0	1.0	
6	—	—	—	14.0	—	2.0	—	8.0	—	—	—	2.5	
7	—	16.0	—	—	50.0	—	—	22.0	3.0	—	—	44.0	
8	—	1.0	—	45.0	10.0	—	0.5	8.5	—	4.0	—	2.0	
9	—	1.0	—	—	40.0	—	2.5	—	—	—	5.0	—	
10	—	—	—	8.0	—	2.5	—	—	—	0.5	—	12.0	
11	—	—	—	8.0	—	2.5	—	1.5	—	1.5	2.5	11.0	
12	—	2.0	6.0	—	16.0	—	0.5	—	—	—	—	1.0	
13	—	—	0.5	—	—	2.5	—	0.5	—	3.0	—	9.0	
14	4.0	20.0	—	76.5	8.5	—	—	—	—	1.0	8.5	—	
15	—	—	—	4.0	0.5	4.5	—	6.5	—	10.5	—	—	
16	—	—	—	12.0	10.0	—	1.0	4.0	2.0	1.0	1.0	—	
17	—	—	—	—	—	7.5	18.0	21.0	—	—	—	24.0	
18	—	—	2.0	10.0	—	0.5	0.5	33.5	5.0	—	—	4.0	
19	2.0	—	—	—	0.5	12.5	—	—	28.0	—	—	15.0	
20	—	—	—	—	24.0	8.0	—	0.5	8.0	12.5	1.0	10.0	
21	0.5	—	—	8.5	—	—	—	4.0	28.0	28.0	—	—	
22	16.0	0.5	—	8.5	4.0	2.0	—	0.5	—	—	—	6.0	
23	10.5	—	0.5	16.5	—	0.5	—	0.5	0.5	36.0	1.0	—	
24	—	—	—	20.0	—	0.5	—	1.0	6.5	—	11.0	—	
25	—	4.0	8.0	—	—	—	—	—	—	23.5	—	10.0	
26	2.0	2.0	0.5	—	—	—	—	2.0	2.0	—	—	33.0	
27	—	—	16.0	—	0.5	17.5	4.5	6.0	32.5	—	—	5.0	
28	—	—	0.5	—	0.5	4.0	—	—	27.0	—	—	—	
29	—	—	0.5	—	24.0	—	—	—	—	2.0	18.0	44.0	
30	—	—	—	56.0	14.0	—	36.5	—	—	14.0	1.0	—	
31	—	—	24.0	20.0	—	—	6.0	14.0	—	—	—	—	
Suma Mensal	39.0	101.5	65.0	345.5	322.5	91.0	61.0	135.0	205.5	181.0	103.0	171.0	
Dias Uniformes	7	11	12	16	18	17	10	19	16	17	15	16	
Total: Dias lluviosos 174												TOTAL DEL AÑO 1962.0	m.m.
Total: Dias lluviosos 187												TOTAL DEL AÑO 2.348.9	m.m.

Total: Dias lluviosos 174

Total: Dias lluviosos 187

TOTAL DEL AÑO 2.348.9 m.m.

PRECIPITACION DIARIA

AÑO 1.969

ESTACION Pitalito (Sinet) Ruta

ALTURA 1.600 m. ESTACION Guadalupe(Buenos Aires)Ruta

ALTURA 1.400 m.

DIA	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre																			
1	—	2.3	2.0	8.0	4.3	—	6.3	6.0	8.0	—	2.3	—																			
2	—	4.0	—	0.3	6.0	6.0	4.0	8.3	6.3	4.0	6.0	—																			
3	—	—	—	0.3	2.0	6.3	4.0	4.0	4.0	2.0	—	2.0																			
4	2.0	—	—	—	8.0	4.0	4.0	2.0	10.3	6.3	—	6.0																			
5	—	6.0	—	—	10.0	8.0	2.0	—	—	—	0.3	0.1																			
6	—	2.0	—	—	6.2	6.0	4.2	6.2	—	—	—	8.0																			
7	6.0	—	—	—	—	10.0	2.0	10.3	6.3	4.1	2.0	2.0																			
8	4.0	2.0	—	—	8.0	4.0	2.0	4.0	6.0	8.0	8.1	—																			
9	8.0	—	—	—	4.0	4.0	6.3	6.3	12.0	2.0	2.0	—																			
10	4.0	—	—	0.5	4.0	8.3	2.0	2.0	8.0	4.1	4.0	6.3																			
11	6.0	4.0	—	—	8.3	6.0	—	—	6.3	10.0	6.0	4.1																			
12	4.3	—	—	—	4.0	—	—	—	2.0	4.0	2.0	2.0																			
13	6.0	—	—	—	2.0	6.0	—	—	10.0	2.0	—	4.0																			
14	10.0	—	—	—	4.0	4.3	—	4.2	2.0	4.0	12.0	—																			
15	4.0	—	—	—	8.0	8.0	—	—	2.0	6.5	0.3	—																			
16	2.0	—	—	—	8.0	4.0	—	—	2.0	—	2.0	—																			
17	2.0	—	—	—	10.2	—	—	—	4.0	4.0	6.0	6.3																			
18	—	—	—	—	6.0	—	—	—	6.0	2.0	8.3	2.3	2.1																		
19	—	4.0	—	—	8.1	—	—	—	6.0	4.0	4.0	8.0	—	2.0																	
20	—	2.0	—	—	—	—	—	—	4.2	4.3	8.3	4.0	4.0	4.0	4.0																
21	—	—	—	—	8.0	4.0	—	—	8.0	12.0	2.0	0.1	8.3	—	—																
22	—	—	—	—	12.0	6.0	6.0	2.0	6.0	—	—	4.0	—																		
23	—	6.3	4.0	—	4.0	10.2	10.0	8.2	6.2	—	—	2.1	—																		
24	4.3	4.0	—	—	4.0	—	—	—	6.0	10.2	4.0	0.3	0.3	8.0	—																
25	6.0	8.5	—	—	—	4.0	8.2	6.3	2.0	6.0	2.0	—	2.0																		
26	2.5	6.0	—	—	—	6.0	4.0	4.0	0.3	—	—	—	0.1																		
27	—	12.0	2.5	—	—	8.0	10.0	2.0	4.0	—	—	2.0	6.3	—																	
28	—	8.3	—	—	—	8.3	4.3	—	—	—	—	—	4.0	—																	
29	—	—	2.0	—	—	6.0	2.0	—	—	—	—	—	6.1	—																	
30	4.0	—	—	—	—	6.0	8.0	4.0	2.0	4.0	2.0	—	—																		
31	—	—	—	—	—	—	—	—	—	—	—	—	—																		
Suma Mensal	75.1	71.4	14.5	95.7	133.3	143.3	112.1	120.4	119.8	101.8	79.8	48.9																			
Días Lluviosos	14	5	17	22	23	36	25	22	22	22	20	14																			
Total: Días Lluviosos	266												151												TOTAL DEL AÑO 1116.1 m.m.						
													17	19	21												TOTAL DEL AÑO (6.74.5) m.m.				
													78.2	90.5	58.8												(37.8)	74.2	117.9	90.2	166.9
													(10)	22	22												(10)	22	20	20	

PRECIPITACION DIARIA

ANO 1.969

ESTACION Santander - Cauca

ALTURA 1.112 m.

ESTACION Ronen - Cauca

ALTURA 1.750 m.

Dia	ESTACION Santander - Cauca														ESTACION Ronen - Cauca																	
	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre								
1					3.5	2.1			6.6	16.7	--		1.0	--	--	6.3	48.3	2.0	--	24.1	--	8.0	18.3	8.1								
2			1.6		5.8	22.2			3.0	10.3	10.7		--	--	6.1	44.1	8.1	--	--	--	12.1	8.0	2.2									
3				8.7	2.8	22.8			5.5	0.8	0.5		--	--	1.0	--	42.1	60.3	--	--	--	12.1	8.3	2.0								
4													--	--																		
5													1.0	37.9		10.1	14.1	2.0	16.1	--	--	10.0	46.0	6.3								
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Suma Mensal	86.1	124.5	494.3	63.9	104.6	9.9	21.0	211.6	218.0	285.6	144.4	287.0	246.2	145.5	478.1	194.0	111.1	0.3	78.5	185.5	694.3	401.8	224.8									
Días lluviosos	14	7	8	24	11	10	2	12	19	22	8	10	15	15	24	16	13	2	9	9	25	24	16									
Total: Días lluviosos	141														166														TOTAL DEL AÑO 3.056.4		m.m.	
Total: Días lluviosos	141														166														TOTAL DEL AÑO 3.056.4		m.m.	

PRECIPITACION DIARIA

AÑO 1.959

ESTACION Pizandao (Tunfa) Cauca

ALTURA 1.800 m.

ESTACION Bolivar (Chalparayaco) Cauca

ALTURA 1.850 m.

DIA	ESTACION Pizandao (Tunfa) Cauca												ESTACION Bolivar (Chalparayaco) Cauca											
	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre
1	—	1.3	13.2	52.0	15.0	8.2	—	—	4.0	4.4	—	—	—	—	—	—	—	—	—	—	—	—	—	
2	—	—	2.0	6.0	21.0	3.1	—	—	31.3	4.3	5.1	—	—	—	—	—	—	—	—	—	—	—	—	
3	—	—	6.0	8.2	12.3	52.0	—	—	14.0	5.2	7.2	—	—	—	—	—	—	—	—	—	—	—	—	
4	—	18.0	4.0	22.3	8.0	8.2	—	—	27.0	28.0	18.1	—	—	—	—	—	—	—	—	—	—	—	—	
5	—	2.3	—	27.2	4.2	—	—	—	2.9	3.0	2.0	—	—	—	—	—	—	—	—	—	—	—	—	
6	—	—	—	44.0	3.1	—	—	—	18.3	46.0	4.3	—	—	—	—	—	—	—	—	—	—	—	—	
7	—	8.1	1.0	—	19.0	2.0	—	—	1.0	14.0	14.2	—	—	—	—	—	—	—	—	—	—	—	—	
8	—	7.0	—	48.0	1.3	1.0	—	—	1.2	7.3	10.1	—	—	—	—	—	—	—	—	—	—	—	—	
9	—	4.3	—	6.0	1.0	15.3	—	—	—	9.1	—	—	—	—	—	—	—	—	—	—	—	—	—	
10	3.2	5.1	2.1	—	2.1	0.1	—	—	18.0	10.0	2.1	—	—	—	—	—	—	—	—	—	—	—	—	
11	1.0	1.0	4.0	8.3	1.0	2.1	—	—	28.0	8.2	19.0	—	—	—	—	—	—	—	—	—	—	—	—	
12	22.0	8.0	3.2	23.2	27.0	8.1	—	—	—	38.3	5.0	—	—	—	—	—	—	—	—	—	—	—	—	
13	—	—	—	3.0	9.0	5.3	4.3	—	—	8.0	2.0	8.1	—	—	—	—	—	—	—	—	—	—	—	
14	20.3	52.0	2.0	4.0	21.2	1.1	—	—	—	18.2	18.1	6.2	—	—	—	—	—	—	—	—	—	—	—	
15	3.2	27.3	4.1	26.3	5.1	—	—	—	—	8.2	7.2	8.0	—	—	—	—	—	—	—	—	—	—	—	
16	3.2	50.3	1.3	13.0	2.0	—	—	—	—	32.0	10.0	12.1	—	—	—	—	—	—	—	—	—	—	—	
17	2.1	2.1	—	1.0	6.1	—	—	—	—	3.0	—	—	—	—	—	—	—	—	—	—	—	—	—	
18	25.3	1.3	—	2.0	—	—	—	—	—	15.0	2.0	3.1	18.3	—	—	—	—	—	—	—	—	—	—	
19	2.3	17.3	2.1	3.0	—	11.3	—	—	—	1.0	6.2	—	36.2	—	—	—	—	—	—	—	—	—	—	
20	7.1	1.3	1.0	3.1	—	—	—	—	—	18.3	4.0	1.0	7.0	—	—	—	—	—	—	—	—	—	—	
21	22.0	6.1	—	—	1.0	—	—	—	—	1.0	—	—	27.0	—	—	—	—	—	—	—	—	—	—	
22	4.0	—	5.0	13.3	—	—	—	—	—	2.0	2.1	6.1	—	—	—	—	—	—	—	—	—	—	—	
23	27.3	8.3	—	8.0	2.0	—	—	—	—	19.3	11.2	8.0	53.0	8.2	—	—	—	—	—	—	—	—	—	
24	—	5.0	—	3.1	—	—	—	—	—	3.1	12.3	6.2	—	31.0	—	—	—	—	—	—	—	—	—	
25	5.1	2.1	—	1.3	—	—	—	—	—	1.1	8.1	13.0	6.3	—	—	—	—	—	—	—	—	—	—	
26	5.0	7.3	—	2.0	—	—	—	—	—	7.0	27.0	—	2.4	—	—	—	—	—	—	—	—	—	—	
27	2.1	15.0	2.1	—	—	9.3	—	—	—	10.2	2.0	2.1	—	—	—	—	—	—	—	—	—	—	—	
28	2.0	4.3	3.0	—	1.0	—	—	—	—	13.1	—	48.0	—	—	—	—	—	—	—	—	—	—	—	
29	2.0	—	12.1	1.0	—	3.0	—	—	—	1.2	1.0	—	—	—	—	—	—	—	—	—	—	—	—	
30	—	—	18.3	8.3	2.1	—	—	—	—	10.1	—	3.0	—	—	—	—	—	—	—	—	—	—	—	
31	28.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Suma Mensual	187.5	254.8	95.5	343.6	162.9	136.1	—	—	61.4	107.4	266.0	341.3	249.5	—	—	—	—	—	—	—	—	—	—	
Dist. Ultriorres	19	23	20	25	21	16	—	—	7	12	25	25	23	—	—	—	—	—	—	—	—	—	—	
Total Días lluviosos	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	
Total Días lluviosos	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	
TOTAL DEL AÑO	2.206.0	2.206.0	2.206.0	2.206.0	2.206.0	2.206.0	2.206.0	2.206.0	2.206.0	2.206.0	2.206.0	2.206.0	2.206.0	2.206.0	2.206.0	2.206.0	2.206.0	2.206.0	2.206.0	2.206.0	2.206.0	2.206.0	2.206.0	
TOTAL DEL AÑO	2.255.6	2.255.6	2.255.6	2.255.6	2.255.6	2.255.6	2.255.6	2.255.6	2.255.6	2.255.6	2.255.6	2.255.6	2.255.6	2.255.6	2.255.6	2.255.6	2.255.6	2.255.6	2.255.6	2.255.6	2.255.6	2.255.6	2.255.6	

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PRECIPITACION DIARIA

AÑO 1.969

ESTACION Dominguito-Meritlo

ALTIMA 1.700 m.

ESTACION San José - Meritlo

ALTIMA 1.950 m.

Día	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre																							
1	33.0	--	--	3.5	36.0	--	--	--	--	6.0	6.0	4.2	4.0	--	--	4.0	--	--	--	--	6.0	18.0	6.0																								
2	--	43.0	--	--	26.5	36.0	--	--	--	8.0	3.0	--	--	--	--	2.0	--	--	--	--	--	--	4.0	8.0																							
3	--	9.7	--	--	9.5	--	--	--	7.0	--	15.0	--	--	--	--	2.0	--	--	--	--	30.0	28.0	2.0																								
4	--	1.3	--	10.0	36.5	35.0	--	--	3.0	--	14.2	--	--	--	--	10.0	--	--	--	--	12.0	30.0	10.0																								
5	--	8.0	--	--	--	--	--	--	2.0	8.0	7.2	--	--	--	--	12.0	--	--	--	--	2.0	27.0	6.0																								
6	--	--	1.5	17.0	--	--	--	--	--	3.0	5.3	--	--	--	--	8.0	--	--	--	--	14.0	12.0	2.0																								
7	--	--	--	4.0	--	--	--	--	--	--	6.3	3.0	--	--	--	14.0	--	--	--	--	12.0	70.0	--																								
8	--	2.5	--	5.0	--	--	--	--	--	14.5	--	12.4	--	--	--	16.0	--	--	--	--	22.0	14.0	12.0																								
9	--	29.5	--	4.0	--	9.0	--	--	--	--	--	--	4.0	6.0	16.0	--	--	--	--	56.0	16.0	2.0																									
10	--	8.0	--	--	--	--	--	--	--	--	29.4	--	2.0	10.0	8.0	--	--	--	--	--	2.0	--	20.0																								
11	--	--	4.5	3.0	--	--	--	--	14.5	9.0	23.0	--	--	30.0	--	20.0	--	--	--	--	6.0	24.0	38.0																								
12	33.0	9.0	--	--	1.5	7.5	--	2.0	--	7.0	8.0	66.0	--	18.0	--	26.0	--	--	--	--	--	--	--																								
13	10.0	--	33.5	--	--	--	--	--	17.0	20.0	--	--	6.0	--	4.0	6.0	--	--	--	--	64.0	4.0	44.0																								
14	6.0	--	--	26.5	--	43.5	--	--	--	5.0	13.0	--	--	38.0	2.0	2.0	--	--	--	--	--	30.0	6.0																								
15	23.0	--	--	3.0	5.4	--	--	10.0	--	8.2	--	--	--	28.0	20.0	--	--	--	--	--	20.0	14.0	2.0																								
16	--	--	--	12.0	1.5	--	--	--	--	30.0	5.0	--	--	--	--	28.0	--	--	--	--	18.0	4.0	10.0																								
17	17.0	--	--	3.5	7.0	--	--	--	6.0	--	23.0	5.0	14.0	4.0	30.0	4.0	--	--	--	--	40.0	2.0	4.0																								
18	2.0	--	--	--	--	--	--	--	17.0	--	3.3	--	4.0	--	--	--	--	--	--	--	17.0	8.0	2.0																								
19	--	--	--	--	9.0	--	--	--	30.0	--	8.2	--	4.0	--	--	--	--	--	--	--	4.0	--	10.0																								
20	--	--	--	1.5	--	--	--	8.5	23.0	12.0	2.0	6.2	2.0	--	12.0	28.0	--	--	--	2.0	58.0	8.0	40.0																								
21	10.0	--	--	--	--	--	--	1.5	26.5	--	--	6.5	20.0	--	2.0	4.0	--	--	--	--	20.0	8.0	12.0																								
22	--	--	--	29.5	--	--	--	--	--	34.5	--	--	4.0	--	--	6.0	--	--	--	--	10.0	8.0	--																								
23	16.0	--	--	--	--	--	--	--	1.5	5.3	--	--	24.0	--	2.0	--	--	--	--	--	6.0	--	14.0																								
24	23.0	5.5	--	8.0	--	6.0	--	--	22.5	43.3	--	--	12.0	2.0	6.0	6.0	--	--	--	--	16.0	20.0	2.0																								
25	24.0	--	15.0	49.0	--	6.0	--	--	12.5	8.3	12.0	--	6.0	--	4.0	6.0	--	--	--	--	2.0	30.0	12.0																								
26	3.5	--	--	--	--	3.5	--	--	31.0	2.0	3.0	2.2	30.0	--	2.0	--	--	--	--	--	4.0	42.0	4.0																								
27	5.5	--	10.5	--	--	--	--	2.0	25.0	--	4.3	--	6.0	--	--	2.0	--	--	--	--	8.0	30.0	2.0																								
28	--	--	--	--	--	--	--	--	22.0	2.3	8.0	--	--	--	--	--	--	--	--	--	56.0	12.0	14.0																								
29	--	--	55.5	15.5	--	--	--	--	11.0	--	--	--	--	--	--	24.0	--	--	--	--	6.0	22.0	16.0																								
30	--	--	2.0	2.0	8.5	--	--	--	6.5	--	5.0	--	--	--	6.0	6.0	--	--	--	--	10.0	4.0	--																								
31	--	--	10.5	--	15.5	--	--	--	11.0	--	--	--	--	2.0	--	--	--	--	--	--	2.0	--	--																								
Suma Mensual	166.0	61.5	196.0	191.0	156.4	141.0	--	24.0	239.0	240.9	179.0	190.1	144.0	166.0	64.0	346.0	--	--	--	--	131.0	596.0	341.0																								
Días Urriosos	13	8	9	17	11	7	--	5	13	20	19	16	15	9	11	27	--	--	--	--	11	28	24																								
Total: Días Urriosos	151																							Total: Días Urriosos	151																						
Total: Días Urriosos	151																							Total: Días Urriosos	151																						
Total: Días Urriosos	151																							Total: Días Urriosos	151																						

TOTAL DEL AÑO 1.796.9 m.m.

TOTAL DEL AÑO 2.068.0 m.m.

PRECIPITACION DIARIA

AÑO 1.969

ESTACION San Pablo-Rariego

ALTIMA 1.1780 m.

ESTACION Los Andes(Sotansyer) Rariego

ALTIMA

DIA	ESTACION San Pablo-Rariego												ESTACION Los Andes(Sotansyer) Rariego											
	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre
1	6.0	—	—	—	18.2	4.2	—	—	4.0	8.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	—	—	—	2.0	4.2	6.0	—	—	14.8	8.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	6.0	—	14.0	1.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	14.4	—	—	—	—	—	18.0	12.0	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	10.4	—	—	—	—	—	2.0	6.8	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	12.4	—	—	—	—	—	2.0	15.0	10.0	—	—	—	—	—	—	—	—	—	—	—	—
7	—	19.2	—	—	—	—	—	—	—	—	—	2.0	—	—	—	—	—	—	—	—	—	—	—	—
8	—	12.8	—	20.4	—	—	—	—	—	—	—	22.8	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	34.6	2.6	2.8	—	—	—	2.8	—	6.8	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	26.8	—	—	—	—	—	—	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—
11	—	—	16.6	2.8	34.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	—	30.8	10.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	30.8	12.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	10.6	14.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	23.0	7.2	9.0	8.4	2.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	8.6	—	—	27.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	—	10.4	—	—	4.0	18.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	6.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	0.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	—	16.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	—	2.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	—	12.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	—	43.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	—	44.0	2.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	—	2.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	—	10.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Suma Mensual	207.0	80.8	68.0	322.8	65.4	14.0	—	—	8.0	115.2	227.0	199.6	196.2	—	—	—	—	—	—	—	—	—	—	—
Días Lluviosos	16	8	7	21	9	4	—	—	3	11	18	16	16	—	—	—	—	—	—	—	—	—	—	—
Total: Días lloviosos 129												Total: Días lloviosos 134												
TOTAL DEL AÑO 1.434.0 m.m.												TOTAL DEL AÑO 1.350.9 m.m.												