

# UNIVERSIDAD NACIONAL DE COLOMBIA SEDE MANIZALES

Año						20	10					
Día/Mes		SEP			ОСТ			NOV			DIC	
Variables	MÁX	PROM	MÍN									
1				27.5	17.3	11.1	24.3	16.2	12.7	22.0	15.3	12.8
2				27.3	16.2	10.2	24.0	16.2	12.4	21.5	15.2	12.2
3				27.4	17.0	12.5	25.9	17.1	12.7	21.7	15.4	13.4
4				26.1	15.8	12.4	27.0	17.5	12.7	17.5	14.0	10.5
5				26.3	16.1	11.6	26.7	16.7	12.3	22.0	12.5	8.8
6				22.3	15.6	13.2	26.4	16.0	13.2	23.5	16.5	11.7
7	23.7	17.2	13.7	27.0	17.6	11.6	21.9	15.8	12.0	20.6	14.4	11.6
8	21.5	14.9	12.5	27.9	18.1	13.4	22.3	15.3	11.7	26.6	16.1	12.2
9	29.9	17.1	11.5	28.8	17.4	11.1	24.8	15.8	11.3	25.5	16.3	11.4
10	29.1	17.4	11.0	26.0	17.0	10.6	19.6	15.1	12.8	21.3	16.0	12.8
11	28.0	16.8	10.3	28.9	18.0	11.6	19.1	14.7	12.5	23.7	16.0	12.2
12	22.8	15.6	12.1	25.7	16.0	10.2	21.1	15.1	11.7	23.0	16.9	13.5
13	23.3	15.1	12.0	29.3	17.2	10.5	20.7	15.0	13.0	20.5	15.1	12.5
14	28.0	17.6	11.6	25.2	16.7	12.0	21.1	15.0	12.2	27.2	16.5	11.3
15	25.7	17.1	11.5	24.7	14.6	11.4	22.6	14.7	12.1	23.9	15.6	11.6
16	26.0	15.8	12.8	21.2	15.1	11.2	22.7	15.0	11.8	23.8	15.9	12.6
17	25.4	15.6	12.7	20.1	14.7	12.4	19.0	14.3	12.3	23.0	15.4	11.6
18	26.4	16.7	13.0	24.9	16.0	12.0	19.0	14.9	12.8	23.1	14.9	12.1
19	23.0	15.2	12.1	25.3	16.1	10.4	21.0	14.5	10.7	25.2	14.8	12.6
20	22.5	15.0	12.2	26.9	15.3	10.2	25.1	15.0	10.7	20.3	14.6	11.1
21	24.1	16.0	11.7	23.3	14.9	9.5	25.0	16.0	10.1	25.3	15.9	12.5
22	21.9	15.8	12.4	22.5	16.4	12.6	23.9	16.1	12.9	22.6	15.0	10.6
23	22.2	15.9	12.0	21.6	16.4	12.9	22.2	15.0	12.4	24.0	15.1	10.7
24	22.2	15.2	12.7	23.2	15.7	12.4	21.0	14.7	11.3	24.0	15.4	11.0
25	24.5	15.7	12.3	23.8	15.4	12.1	21.6	14.6	9.6	22.5	15.8	11.3
26	22.2	15.9	11.5	24.4	15.8	10.8	22.0	16.1	11.3	24.0	15.5	12.2
27	20.7	14.5	12.7	24.0	16.2	13.3	23.9	15.9	12.9	24.4	15.7	10.6
28	28.3	16.6	12.7	25.5	14.8	11.6	22.1	15.6	12.8	27.3	17.0	11.6
29	28.3	17.3	12.8	24.4	14.9	10.6	25.9	17.3	12.7	26.3	17.0	13.0
30	25.6	16.7	11.9	24.8	16.0	12.4	23.7	15.8	10.7	26.8	17.3	11.3
31				26.6	15.6	12.8				28.2	17.2	11.5
Promedio	29.9	16.1	10.3	29.3	16.1	9.5	27.0	15.6	9.6	28.2	15.6	8.8
Mensual	23.3	10.1	10.5	23.3	10.1	J.J	27.0	13.0	5.0	20.2	13.0	0.0





Año						20	)11					
Día/Mes	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	ОСТ	NOV	DIC
Variables	MÁX PROM MÍN	MÁX PROM MÍN	MÁX PROM MÍN	MÁX PROM MÍN	MÁX PROM MÍN	MÁX PROM MÍN	MÁX PROM MÍN	MÁX PROM MÍN	MÁX PROM MÍN	MÁX PROM MÍN	MÁX PROM MÍN	MÁX PROM MÍN
1	28.4 16.9 9.	27.2 17.2 11.8	23.3 14.8 11.4	29.3 16.9 12.3	29.0 17.1 12.5	19.8 16.4 14.4	28.3 16.8 12.0	28.8 16.5 10.2	28.1 17.9 11.4	22.6 15.2 11.6	28.9 16.6 9.6	24.0 14.1 11.7
2	26.1 16.5 12.	29.5 17.5 10.8	24.8 15.3 12.8	3 29.4 16.4 11.7	28.6 17.7 13.1	18.8 15.4 13.6	27.4 15.6 11.6	28.8 15.3 11.3	27.6 15.9 9.7	26.6 16.4 11.3	29.3 18.1 11.8	24.6 15.7 10.9
3	23.8 15.5 10.	26.6 16.4 9.5	24.9 15.4 11.3	23.9 15.9 11.0	18.7 15.7 13.4	22.6 16.4 12.6	29.0 17.3 10.8	29.8 15.9 12.0	23.7 15.0 10.4	26.7 17.0 12.6	25.7 17.1 13.1	22.0 15.5 11.7
4	18.7 14.0 12.	3 24.7 16.2 11.4	28.8 16.6 12.3	23.3 15.9 12.3	27.4 17.5 12.5	23.3 15.8 12.3	27.5 16.6 12.3	28.5 16.9 10.2	26.7 15.0 9.6	20.3 14.9 11.1	29.5 17.8 11.0	19.7 15.2 12.5
5	22.6 14.2 10.	28.1 17.2 12.3	26.0 15.9 11.6	23.1 15.4 11.4	26.9 18.1 12.3	26.9 17.3 12.2	27.4 16.9 10.8	30.8 18.7 11.2	29.4 16.8 9.2	26.2 17.1 11.8	29.6 17.2 11.3	25.5 15.7 13.3
6				29.1 17.1 12.4								
7	21.2 14.6 9.	21.3 14.9 12.9	23.0 15.2 12.4	25.5 17.1 13.7	25.9 18.1 13.7	25.3 17.0 12.2	29.0 16.8 10.9	29.4 17.6 11.1	27.1 16.0 11.8	29.0 18.1 12.2	26.3 15.8 11.4	19.3 14.3 12.3
8	22.8 15.2 11.	20.7 15.6 11.8	8 28.7 15.7 12.5	27.9 17.4 13.0	23.3 17.2 12.4	28.6 17.6 11.5	30.2 17.8 11.6	30.1 17.7 10.7	23.8 15.1 11.9	22.7 15.8 12.7	17.8 14.9 13.5	19.6 15.0 11.7
9	20.8 15.5 11.	22.5 15.1 12.3	2 22.5 15.1 12.6	25.1 16.2 12.9	29.0 17.1 13.4	29.7 18.2 12.1	26.9 17.0 10.9	26.5 16.7 11.4	29.0 16.5 11.2	24.9 15.9 12.9	23.6 16.3 12.3	25.7 17.1 12.1
10	23.5 16.0 11.	28.2 16.2 12.3	24.0 15.0 11.3	23.3 15.4 13.4	29.0 17.5 12.3	30.5 19.0 12.8	29.0 17.5 12.5	29.6 17.9 11.1	30.1 17.1 10.6	22.8 15.9 12.3	23.3 16.3 12.9	25.1 18.7 13.3
11	27.7 17.0 10.	22.8 14.9 11.	26.5 15.4 11.0	25.8 17.6 12.4	19.4 16.2 13.1	30.5 19.2 12.9	28.6 17.8 12.1	28.6 16.8 11.3	26.2 16.0 12.1	24.6 16.0 12.1	19.0 15.0 12.6	25.1 16.1 13.1
12	28.7 17.7 12.	28.8 16.9 11.3	8 28.0 17.2 11.6	25.9 15.6 13.1	28.8 16.6 12.5	31.3 19.4 13.4	23.9 16.2 12.4	22.7 15.6 13.2	27.0 16.5 12.3	24.5 15.8 12.4	15.7 14.2 12.7	21.0 16.7 13.4
13	25.6 16.5 12.	27.0 16.5 13.8	3 29.3 18.5 11.0	27.4 16.3 11.6	25.0 16.0 11.7	30.4 19.3 12.5	18.6 14.6 13.1	27.4 16.0 11.1	29.7 17.8 11.7	28.3 17.6 11.6	28.7 16.0 11.4	21.4 16.0 13.5
14	27.4 16.7 11.	23.2 15.9 12.	27.8 16.9 10.2	26.5 16.3 11.0	20.4 15.0 11.8	26.3 17.4 11.8	23.6 15.0 12.5	25.6 16.7 11.5	30.0 16.6 10.6	26.3 15.2 11.3	30.4 17.3 11.0	19.9 15.1 12.8
15	24.5 16.3 11.	23.1 16.0 11.4	26.9 15.5 9.6	22.7 15.1 13.3	20.0 12.9 11.2	29.2 17.3 11.4	25.5 15.6 12.3	24.9 16.7 14.4	26.2 16.9 12.0	22.7 15.8 11.4	26.9 15.8 11.4	20.3 15.0 12.8
16	24.9 16.3 12.	25.4 15.3 12.0	25.5 16.4 12.7	23.1 15.5 13.3	28.0 20.2 13.8	25.6 16.7 12.0	29.7 17.0 12.2	25.9 18.1 12.8	23.1 15.9 12.8	24.1 15.1 11.2	25.7 15.2 11.3	18.4 14.9 13.5
17	28.0 17.0 11.	25.2 15.4 11.4	26.2 16.9 13.3	21.2 15.0 12.2	30.1 18.6 12.8	25.6 17.0 13.4	26.9 16.8 11.8	29.1 16.4 11.6	25.2 16.1 12.4	22.0 14.4 12.2	27.4 17.3 11.4	22.6 15.3 12.4
18	24.8 16.6 12.	25.2 14.6 11.5	25.3 16.2 13.6	25.5 14.7 11.5	29.0 17.3 12.5	23.9 17.0 12.2	28.6 19.2 13.5	30.3 17.2 12.4	23.5 15.6 12.8	20.3 14.3 11.0	27.0 16.4 12.9	23.7 15.7 12.1
19	25.1 16.8 10.	26.5 16.6 11.4	25.9 15.3 11.3	28.5 16.5 11.5	22.3 15.6 12.8	22.7 16.1 12.4	28.7 17.6 11.4	26.1 16.6 11.6	26.9 16.2 11.6	28.2 15.3 9.5	27.5 16.4 10.8	21.3 14.8 12.3
20	27.4 18.1 11.	27.5 17.7 11.	23.9 15.4 12.8	27.0 15.4 12.4	26.9 16.0 11.5	25.4 16.3 11.4	28.3 17.3 12.4	23.2 15.1 11.3	26.6 16.2 11.6	24.9 15.4 10.3	20.0 15.1 13.1	24.4 15.7 12.1
21	28.0 17.4 10.	28.4 17.5 11.	27.6 15.5 12.8	3 24.1 15.7 12.0	21.9 15.5 12.0	30.6 17.0 10.1	28.9 17.8 11.1	25.9 15.3 10.7	26.2 16.9 10.8	28.0 16.1 10.7	28.8 17.2 10.9	27.1 16.7 10.9
22	27.7 16.8 9.	29.7 17.9 10.0	24.5 16.1 11.5	25.8 16.7 12.9	23.5 15.5 12.8	27.6 17.6 11.8	30.0 17.8 11.7	27.7 17.2 11.7	28.3 18.6 13.3	28.6 18.0 11.0	23.7 15.1 12.1	29.2 18.2 10.7
23	27.4 16.5 10.	23.1 15.6 13.3	19.7 15.7 13.7	26.7 15.5 12.5	27.3 16.9 11.1	24.4 16.4 14.0	27.7 18.0 13.0	28.8 16.4 13.0	30.0 17.7 13.3	27.2 16.3 9.4	27.0 16.0 11.0	25.6 17.6 12.4
24	27.3 16.4 9.	20.5 15.2 11.9	24.2 16.5 12.9	25.3 15.8 11.2	25.5 16.8 13.4	23.0 16.3 12.5	28.7 17.4 12.1	23.3 15.6 12.1	25.9 15.3 11.6	27.4 17.5 12.7	19.1 14.6 11.4	25.4 17.4 12.9
25	25.8 15.8 9.	22.7 15.9 11.	24.5 16.2 12.2	23.2 15.4 12.0	27.4 17.4 13.1	18.3 15.0 13.1	27.3 17.3 11.4	26.8 16.7 10.8	19.7 15.2 11.7	27.1 17.1 12.2	25.1 16.1 9.9	25.3 17.8 12.0
26	24.6 14.7 11.	28.6 17.3 10.3	3 24.1 16.2 12.2	27.5 16.2 11.7	24.5 15.0 11.2	27.5 17.6 12.9	27.2 17.6 12.6	27.8 15.5 11.1	26.7 17.1 11.4	25.1 16.6 13.1	23.4 15.2 10.9	27.2 17.2 13.4
27	27.0 16.0 11.	22.3 16.8 12.4	29.8 16.5 10.5	27.9 16.7 12.3	26.7 16.3 10.4	26.1 17.1 11.8	26.9 16.7 12.2	28.0 17.2 10.9	30.2 18.4 10.4	27.4 17.1 11.0	25.5 14.9 11.1	27.6 18.5 13.3
28	27.2 16.4 11.	24.4 16.0 11.5	23.3 15.6 12.0	30.4 18.1 13.1	24.9 16.5 12.6	29.2 17.2 10.3	24.6 16.0 12.9	25.2 16.7 12.8	28.5 17.1 12.0	20.3 15.5 13.4	23.8 16.0 11.2	29.2 18.1 12.2
29	24.7 16.4 11.	5	25.3 16.4 10.3	30.6 19.7 12.2	23.5 15.5 11.5	27.0 15.8 11.2	23.8 14.6 12.5	25.1 16.6 12.1	25.9 15.8 10.8	19.8 14.7 13.0	21.9 14.7 12.4	25.5 16.7 12.1
30	23.1 15.3 9.	5	25.6 16.7 11.0	30.8 18.2 13.2	27.9 17.7 12.7	24.0 15.0 11.6	22.3 15.5 12.2	30.9 18.1 10.4	25.9 16.7 10.7	17.5 13.9 10.7	26.8 16.2 12.5	25.5 16.6 13.2
31	24.9 15.9 10.		29.0 16.9 12.5	5	22.5 16.6 13.3		27.0 16.0 11.6	30.6 17.9 12.5	5	26.8 15.4 9.5		27.9 17.9 12.2
Promedio Mensual	28.7 16.1 9.	29.7 16.2 9.5	29.8 16.0 9.0	30.8 16.3 11.0	30.1 16.7 10.4	31.3 17.0 10.1	30.2 16.8 10.8	30.9 16.7 10.2	30.2 16.5 9.2	29.0 16.0 9.4	30.4 16.0 9.6	29.2 16.3 10.7



### UNIVERSIDAD NACIONAL DE COLOMBIA

Año																		20	12																	
Día/Mes		ENE			FEB			MAR			ABR			MAY			JUN			JUL			AGO			SEP			ОСТ			NOV			DIC	
Variables	MÁX	PROM	MÍN																																	
1	29.2	17.8	10.3	23.7	16.3	12.1	25.5	15.8	9.7				21.2	15.5	13.3	24.2	14.7	11.8	31.6	20.3	12.2	25.6	18.0	12.9	28.9	18.1	9.1	31.8	16.7	11.5	26.2	16.5	11.6	28.6	18.0	12.1
2	22.5	16.4	10.5	26.9	16.9	10.4	29.6	17.2	9.7				22.3	15.0	12.0				32.4	18.1	11.0	28.6	19.6	13.6	31.6	17.0	9.7	28.7	15.9	11.2	29.5	16.6	10.0	28.9	16.1	10.9
3	25.0	15.4	12.5	25.4	16.8	12.7	29.0	17.8	11.5				28.9	16.9	13.1				24.0	16.0	11.3	24.1	17.9	13.0	23.1	16.1	11.0	30.2	16.5	10.6	30.0	18.2	11.5	30.9	18.0	11.5
4	23.9	15.9	10.9	27.9	17.5	11.4	28.2	18.0	13.1	24.2	18.1	14.0	23.8	16.1	13.0	29.7	19.1	14.4	26.9	17.4	11.6	29.4	18.4	13.6	26.2	17.5	10.5	28.8	16.5	11.9	29.2	18.5	11.8	26.4	15.8	10.9
5	22.7	15.0	11.9	24.6	16.8	11.2	28.8	17.7	12.9	23.0	16.0	12.9	28.9	16.5	12.6	26.5	17.4	12.3	25.5	17.0	11.4	23.2	16.1	13.1	25.1	18.1	11.4	25.2	16.7	12.8	26.6	15.7	11.3	24.4	15.9	11.9
6	23.7	15.0	12.0	20.9	15.5	12.4	27.9	15.6	11.4	23.5	15.7	12.5	25.1	16.2	13.1				30.6	17.3	11.7	22.2	17.4	13.1	29.9	18.7	10.7	25.7	16.9	13.5	26.2	16.2	10.5	26.2	16.9	12.1
7	24.1	16.0	10.9	29.7	17.7	10.9	27.2	16.2	10.4	28.5	16.0	12.9	22.0	16.0	13.2	32.9	23.1	14.3	27.4	16.5	10.8	29.7	19.6	12.9	29.7	17.4	11.2	27.1	17.3	12.7	29.3	19.6	10.4	29.2	17.6	10.2
8	27.0	16.9	12.4	21.1	15.6	13.0	31.4	17.8	11.6	23.2	15.4	13.5	26.0	15.5	11.9	26.5	17.5	13.0	31.5	23.3	11.5	30.7	21.4	12.8	29.2	17.4	10.5	23.1	15.7	12.0	23.0	15.5	14.3	30.1	18.1	12.6
9	25.8	17.2	12.0	27.4	17.6	11.4	30.9	17.2	11.9	30.2	17.7	13.4	24.5	16.7	12.0	30.4	18.5	11.3	28.2	19.2	11.4	28.0	19.7	14.3	31.1	18.7	11.6	27.4	19.7	12.3	26.9	18.1	12.6	30.9	19.4	10.9
10	28.1	18.2	11.3	23.1	16.4	12.5	29.4	16.6	12.3	25.2	16.1	12.8	30.7	18.3	12.5	29.5	19.0	13.3	30.6	19.1	13.3	27.9	21.5	14.1	30.6	17.7	11.2	29.0	18.2	12.3	31.5	17.9	12.0	31.5	19.2	11.8
11	30.0	18.6	13.2	24.8	17.1	11.8	27.3	17.2	12.2	25.1	16.0	13.4	19.5	13.8	12.1	24.5	17.2	13.4	23.0	16.8	13.1	26.1	21.0	14.3	29.5	17.5	11.3	30.3	17.2	11.0	22.8	17.2	12.9	28.4	18.4	11.5
12	28.8	19.1	12.5	28.9	17.9	12.8	33.1	18.5	10.5	21.7	16.0	12.7	25.8	17.1	13.1	26.1	17.1	13.2	24.6	16.3	12.7	29.4	19.2	12.4	25.3	17.5	11.6	25.9	16.1	10.7	28.8	15.9	11.5	27.1	18.1	11.6
13	26.7	18.6	12.6	27.7	17.0	11.0	32.2	19.0	13.2	27.3	16.3	12.0	25.2	16.5	11.9	27.5	16.9	13.1	28.5	16.1	11.5	27.9	17.5	12.4	23.2	16.1	10.8	31.3	17.8	12.5	31.3	17.5	10.4	25.4	16.7	13.1
14	28.4	18.6	10.9	27.3	16.5	10.1	27.6	16.8	11.8	28.0	15.4	11.4	27.9	16.7	12.0	30.9	16.8	12.0	27.5	17.5	10.0	22.0	17.7	13.6	30.5	18.4	9.4	28.2	17.5	12.3	31.0	17.6	12.7	27.0	17.7	13.7
15	25.6	16.7	10.6	28.3	16.7	9.3	32.2	18.0	10.7	24.9	16.8	12.4	31.0	17.8	10.7	24.4	16.7	11.9	26.1	17.7	11.9	31.4	20.1	11.7	30.9	18.3	10.2	28.8	17.5	13.5	25.4	15.9	12.4	27.3	17.2	13.1
16	28.2	17.4	10.7	28.0	17.5	10.0	28.4	16.3	12.5	27.3	16.0	11.4	31.7	18.1	12.6	20.4	14.7	11.4	28.2	16.1	10.0	28.1	20.4	15.5	29.6	17.6	10.3	21.3	14.7	12.0	30.6	17.6	11.4	30.1	17.7	12.3
17	24.9	15.9	12.8	23.7	16.2	12.0	24.6	16.0	12.5	23.5	15.1	11.8	30.6	18.4	13.2	18.9	13.7	10.2	29.8	18.3	10.5	21.8	17.7	14.7	25.2	15.7	12.3	25.4	16.2	10.6	19.7	14.4	13.4	26.7	15.6	11.2
18	25.3	15.3	11.5	24.0	16.6	11.8	27.8	16.7	11.9	23.0	16.0	12.5	26.0	17.0	13.5	29.7	19.0	11.6	30.4	18.9	13.3	26.2	17.6	13.0	26.5	15.9	11.6	20.5	15.0	12.9				24.1	16.2	13.0
19																									31.7											
20																									25.1											
21	24.6	15.4	10.4	30.1	17.9	10.4	25.0	16.7	13.3	27.2	16.8	12.6	27.3	17.5	12.0	23.8	16.5	11.6	28.6	19.5	10.7	30.4	20.1	12.7	29.9	17.1	11.5	30.9	18.1	12.2	26.8	18.4	11.3	28.9	18.6	13.4
22																									26.0											
23																									26.7											
24	26.0	14.6	10.4	27.2	19.3	13.2	27.0	17.4	13.3	28.9	17.3	13.1	30.4	17.8	12.5	29.7	16.4	11.0	27.6	17.9	12.1	21.4	15.8	12.7	23.6	15.7	11.6	23.2	16.3	13.5	30.9	21.0	10.8	26.0	18.8	12.0
25	26.5	15.8	9.2	22.5	15.9	12.3	26.2	16.8	13.1	31.7	18.8	11.3	25.8	16.7	11.9	26.9	15.6	10.7	30.8	19.6	11.5	26.6	18.0	12.2	28.1	17.4	11.7	29.8	17.4	12.2	29.9	18.4	11.4	27.4	19.8	12.1
26																									30.5											
27																									31.6											
28																									25.5											
29					15.3	10.9	28.0	18.0	11.6																31.1											
30	23.2	15.9	10.6							22.7	15.1	11.8	27.2	17.1	12.2	22.8	16.1	12.8	25.0	16.5	11.9	29.8	20.1	11.5	25.9	17.4	12.3	22.7	15.8	12.0	25.9	15.7	12.9	30.6	17.8	11.2
31	23.8	15.5	12.1										26.0	16.7	11.4				27.3	18.1	13.1	26.7	14.9	10.1				29.2	17.0	12.2				30.9	17.3	10.2
Promedio Mensual	30.0	16.4	9.2	30.1	16.8	9.1	33.1	17.0	9.7	31.7	16.4	11.1	31.7	16.8	10.7	32.9	17.4	9.9	32.4	18.0	10.0	31.4	19.1	10.1	31.7	17.4	9.1	31.8	16.9	9.4	31.5	17.6	10.0	32.0	17.6	9.7





Año											2013										
Día/Mes		ENE			FEB			MAR			ABR			MAY			JUN			JUL	
Variables	MÁX	PROM	MÍN																		
1	28.5	17.5	11.4	22.1	16.8	14.0	22.5	16.4	12.4	29.0	17.3	12.8	23.3	17.3	13.8	28.5	16.9	10.2	24.8	17.5	12.7
2	27.7	17.1	10.4	16.8	15.2	14.2	28.6	18.1	11.3	23.8	17.2	12.4	26.7	17.3	11.8	30.3	18.5	11.9	28.5	19.8	10.4
3	30.1	18.0	10.5	28.2	19.0	13.1	25.7	17.2	12.7	28.9	18.2	13.8	21.9	17.9	13.0	23.1	16.4	11.7	28.5	18.4	12.6
4	29.2	18.0	11.6	26.0	16.7	14.0	26.0	17.8	11.3	29.4	18.6	13.6	31.5	20.1	11.6	30.6	17.9	11.8	30.0	17.3	10.3
5	32.4	18.4	11.4	19.1	15.6	13.3	31.8	18.8	11.6	28.1	17.5	13.2	24.5	17.7	12.8	30.2	17.7	11.2	25.9	17.5	12.2
6	29.6	17.2	11.9	24.2	16.9	12.0	27.1	17.6	13.4	30.0	17.5	12.0	27.8	17.9	13.2	29.5	16.9	11.2	28.6	17.2	12.6
7	30.8	17.4	9.9	25.8	17.5	13.9	29.7	17.8	12.5	28.8	18.3	13.1	20.9	15.9	14.2	27.4	17.6	13.3	27.3	17.1	11.0
8	32.3	18.0	8.5	22.8	16.5	14.3	28.1	17.7	12.5	27.7	18.4	13.5	22.1	15.5	12.1	29.5	18.3	12.0	31.0	19.7	12.8
9	32.4	18.2	8.6	24.6	16.1	13.3	29.0	18.0	12.8	27.8	18.4	12.4	22.1	16.8	12.6	30.4	19.2	12.9	27.0	21.5	12.9
10	28.1	17.9	11.9	22.6	16.0	13.1	28.0	18.1	11.7	24.7	17.3	12.8	28.9	19.2	13.7	26.5	17.9	13.0	17.4	14.4	12.2
11	28.3	17.5	10.1	22.7	15.6	13.1	25.7	17.4	11.7	29.9	17.6	12.1	26.4	17.9	13.5	26.1	16.6	12.2	27.8	17.6	11.3
12	26.1	16.9	9.7	18.3	14.2	12.8	29.6	19.4	14.3	31.4	18.1	12.1	27.8	18.3	12.0	31.3	20.2	13.5	27.1	17.7	12.7
13	22.6	16.3	12.5	25.6	16.2	12.0	25.3	18.0	13.8	26.7	18.2	11.8	28.4	19.3	12.4	31.6	18.7	13.3	28.1	17.2	11.5
14	29.6	17.3	12.6	18.2	15.0	12.3	26.3	16.9	13.8	26.6	17.4	13.7	27.5	18.8	13.4	21.3	15.3	11.7	29.5	16.9	10.0
15	26.0	16.0	11.0	28.8	18.1	10.3	24.5	16.3	13.5	24.4	17.5	13.4	21.2	16.7	14.3	27.7	19.5	14.5	21.9	15.6	11.4
16	28.5	17.5	10.6	28.9	16.8	11.2	32.0	18.1	11.3	28.1	17.9	12.4	22.6	17.8	14.7	30.1	18.8	13.8	31.1	16.6	11.2
17	25.8	17.7	13.5	20.4	14.6	11.5	26.7	17.3	13.6	27.5	16.2	11.9	23.2	16.2	12.7	28.3	18.2	12.4	29.4	18.2	12.3
18	26.7	16.7	13.1	27.2	16.7	10.3	24.8	16.7	12.9	25.8	16.5	11.9	27.3	18.4	11.3	27.1	18.6	12.6	21.4	15.7	12.1
19	27.2	17.6	12.2	27.1	17.7	11.5	24.7	17.0	12.5	28.3	16.1	12.8	28.7	18.2	13.0	24.4	17.1	12.4	27.8	17.7	11.9
20	27.5	17.4	11.2	29.6	18.7	12.4	24.2	16.3	11.6	24.2	15.8	12.4	23.7	16.4	12.6	23.2	16.8	12.0	30.7	18.1	12.2
21	26.4	17.0	11.0	27.3	18.3	12.0	19.6	14.5	11.1	27.1	16.7	13.6	22.0	16.0	13.7	32.0	19.3	11.2	27.1	18.1	12.9
22	25.1	18.0	12.8	29.3	18.3	11.5	28.8	18.2	12.7	21.7	15.6	12.3	24.8	16.5	13.1	30.7	19.1	12.7	28.4	18.3	12.8
23	21.7	16.5	12.4	26.6	18.6	11.5	26.2	16.8	11.7	24.0	16.6	12.0	24.7	16.5	13.7	31.6	19.4	12.3	30.1	16.7	12.4
24	26.4	17.8	12.2	21.4	17.5	12.9	26.5	16.8	11.5	30.1	17.1	11.8	26.2	18.1	13.5	26.3	18.5	14.4	30.6	17.7	11.7
25	23.0	16.9	13.8	28.1	21.0	12.2	28.2	17.6	12.7	26.2	16.6	11.7	27.7	17.8	12.5	31.7	20.1	13.6	32.3	19.1	10.5
26	27.2	17.9	14.2	26.1	18.7	12.2	27.8	16.1	11.6	26.5	16.2	12.4	24.0	16.8	12.3	28.7	18.4	12.6	21.3	16.3	11.8
27	26.8	18.0	11.5	30.4	18.1	12.4	29.3	17.6	10.7	29.4	16.4	10.6	26.5	17.3	12.9	25.4	16.9	12.9	31.2	18.5	11.5
28	29.7	19.1	13.3	27.1	17.1	12.7	28.8	18.2	12.7	28.8	16.8	10.2	21.6	15.4	12.1	27.8	15.9	11.0	29.3	17.5	10.0
29	28.0	18.2	13.7				28.8	17.9	13.3	22.3	15.5	12.1	24.3	17.2	11.3	27.7	17.7	10.0	29.0	18.9	10.7
30	30.1	18.8	13.1				26.1	17.7	13.3	25.2	15.5	12.1	26.2	17.5	13.1	25.4	17.9	13.3	24.8	15.8	10.5
31	27.5	18.2	13.8				31.3	19.1	12.4				18.9	15.1	12.8				28.5	18.8	11.4
Promedio Mensual	32.4	17.6	8.5	30.4	17.1	10.3	32.0	17.5	10.7	31.4	17.1	10.2	31.5	17.3	11.3	32.0	18.0	10.0	32.3	17.7	10.0



### RESUMEN PRECIPITACIÓN DIARIO ANUAL



Año		20	10							20	11											20	12									2013			
Día/Mes	SEP	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	ОСТ	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	ОСТ	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL
1		0.0	14.0	7.8	0.0	1.2	30.2	5.2	4.8	22.0	1.8	0.2	0.0	13.6	0.0	16.8	0.2	0.2	0.2		42.0	0.0	0.4	1.2	0.0	0.6	0.8	2.4	0.6	2.8	2.8	6.2	8.4	8.0	3.8
2		0.0	1.4	19.4	2.4	0.0	57.4	1.6	1.6	40.4	1.0	13.4	0.2	2.4	0.2	3.6	1.6	2.6	1.6		7.0		0.0	0.2	0.0	0.6	7.6	12.0	0.4	60.2	0.2	0.0	10.0	7.2	0.0
3		36.6	10.6	19.2	0.6	0.0	40.0	0.2	5.4	9.0	0.2	9.4	2.2	3.2	0.0	9.4	9.0	0.2	0.0		11.4		1.0	0.6	0.4	0.6	9.0	0.0	0.4	0.2	0.0	0.0	1.6	2.6	0.0
4		31.2	11.6	18.6	33.0	0.0	5.6	10.4	1.8	25.0	0.4	0.2	1.2	6.2	16.4	16.2	1.2	0.0	1.0	0.0	5.6	1.0	1.2	1.2	0.0	0.8	5.2	28.6	0.0	24.0	0.0	2.8	21.0	0.6	0.0
5		1.0	2.2	0.2	13.6	0.0	1.8	9.8	0.6	0.2	0.2	0.4	0.2	0.0	2.4	42.2	10.8	0.6	0.0	14.0	6.6	0.2	2.2	12.2	0.0	0.6	10.6	2.8	0.2	1.4	0.8	1.2	32.2	0.0	2.6
6		14.8	18.2	0.4	0.4	61.6	31.0	3.2	0.6	0.2	10.2	0.0	0.2	24.6	0.2	9.2	8.2	2.2	8.0	5.2	21.6		0.2	4.4	0.0	0.8	0.0	12.8	0.0	0.0	3.6	2.4	0.6	0.6	0.8
7	3.4	0.4	5.0	6.2	0.8	14.4	3.8	5.6	0.8	0.0	0.0	0.0	2.6	0.4	22.6	14.2	0.8	0.2	0.2	30.8	7.0	0.2	6.0	0.0	12.2	0.8	0.4	0.2	0.0	0.0	2.8	0.8	4.2	0.4	3.4
8	9.2	26.8	6.8	2.4	0.2	24.6	37.0	4.6	1.4	0.2	0.0	0.0	22.2	8.0	19.2	1.8	0.0	8.2	0.0	23.6	6.4	0.0	0.0	0.2	0.0	0.4	0.8	0.2	0.0	26.2	0.2	0.2	1.4	0.0	0.4
9	0.2	6.6	1.6	0.2	0.2	23.4	42.0	13.8	3.4	0.0	0.0	0.0	21.2	2.8	2.6	0.0	0.0	0.0	2.0	4.0	2.8	0.0	0.0	0.2	0.0	0.4	1.2	0.2	0.0	13.6	6.2	1.6	9.0	0.0	0.0
10	0.0	0.0	6.6	9.2	0.0	1.4	3.6	10.2	2.4	0.0	0.0	0.0	32.8	19.2	29.6	1.8	0.0	4.6	1.2	31.6	1.6	0.0	0.0	1.2	0.0	0.4	0.2	0.0	0.0	24.0	0.2	13.0	4.0	0.0	6.2
11	0.0	0.0	4.6	0.2	0.2	2.0	0.2	5.0	12.0	0.0	0.0	0.0	3.4	10.0	11.0	0.2	0.0	2.0	0.4	17.6	0.4	6.4	14.0	0.2	0.0	0.4	0.0	0.2	0.0	12.8	3.2	7.4	4.4	5.6	0.0
12	5.2	0.0	5.0	9.6	0.0	0.0	0.2	20.8	8.8	0.0	1.0	5.0	1.2	28.6	56.4	1.4	0.4	9.4	0.0	22.4	8.0	1.6	4.4	0.8	0.0	0.4	18.4	0.6	0.2	21.4	0.0	0.0	0.6	19.8	0.0
13	7.2	0.0	9.2	49.0	0.6	19.8	0.0	2.0	50.4	0.4	8.8	3.8	0.2	1.2	1.8	1.8	0.2	0.0	2.4	4.6	0.2	6.0	6.4	7.4	2.0	0.4	4.6	4.6	5.0	0.6	0.2	0.0	4.0	1.2	0.0
14	0.0	0.2	10.8	5.4	4.4	4.8	0.0	16.4	8.2	0.0	3.2	0.4	6.6	42.0	0.2	11.0	0.2	0.2	0.2	3.0	0.2	1.2	0.6	1.6	0.2	0.4	0.2	23.2	9.4	6.4	1.2	26.8	0.6	19.8	0.0
15	0.8	17.8	9.2	36.8	0.0	9.6	12.4	35.2	0.0	0.2	36.8	1.4	0.0	25.4	1.8	16.0	3.6	0.0	1.4	0.6	0.2	7.8	0.0	0.2	0.0	0.6	21.6	20.8	20.2	10.8	36.4	1.0	2.4	0.2	1.0
16	19.8	0.4	23.2	3.4	2.6	8.4	18.0	8.2	12.6	0.0	2.4	1.0	3.0	39.8	3.0	37.6	0.0	0.0	3.6	2.8	0.2	11.2	5.8	0.4	0.0	0.4	5.0	3.2	0.2	1.0	0.4	0.6	3.0	0.0	0.0
17	7.4	12.8	36.4	3.8	0.6	15.2	0.8	7.0	19.8	0.0	0.4	1.0	3.0	32.6	25.0	4.2	6.6	0.0	2.4	0.2	0.2	0.6	1.2	5.6	6.8	0.4	15.6	3.8	1.6	6.0	16.6	12.6	13.8	0.8	0.0
18	0.0	12.0	8.8	11.4	3.6	28.0	8.4	21.8	8.0	0.0	1.8	9.6	12.6	13.2	40.2	6.2	11.2	1.4	15.2	0.0	0.0	1.8	0.2	1.8	1.2	0.2		4.4	13.2	0.2	1.8	7.0	3.0	1.6	1.2
19	14.0	5.0	23.2	31.6	0.0	0.4	10.4	18.4	10.2	0.6	0.4	6.0	1.8	1.0	29.0	18.0	31.6	0.4	11.6	32.4	0.2	1.6	2.8	0.0	0.0	0.4	4.2	13.0	0.0	0.0	0.2	27.0	0.0	3.6	0.0
20	36.6	2.6	12.0	1.0	0.0	4.6	2.0	53.4	21.6	2.0	0.2	11.8	10.0	0.0	13.8	0.2	8.8	0.2	0.2	0.4	0.4	0.6	0.0	0.8	3.8	0.4	0.2	0.2	0.2	0.2	18.4	3.0	28.4	0.0	0.0
21	4.0	8.2	2.6	0.0	0.0	1.6	6.4	19.6	17.4	1.8	0.0	2.2	0.6	0.6	11.6	0.0	8.4	0.0	2.6	3.6	0.2	2.4	0.0	0.4	0.0	0.4	1.8	3.8	0.0	0.6	16.8	23.8	16.0	0.2	8.2
22	3.2	0.4	4.4	11.0	0.0	0.6	3.6	20.4	14.2	0.0	0.0	1.0	0.2	0.0	17.2	0.2	3.2	0.0	17.0	3.8	4.4	0.0	0.0	0.2	4.4	0.2	3.6	0.0	0.2	1.8	2.4	4.4	11.6	0.0	3.0
23	5.6	8.6	9.6	0.0	0.0	15.4	22.4	2.8	0.2	1.6	0.0	1.4	12.6	0.6	4.0	0.8	0.2	0.0	0.0	1.6	1.4	0.0	0.0	0.4	8.8	0.4	0.0	0.0	7.0	0.0	0.0	6.4	5.0	0.0	1.8
24	4.4	25.0	35.8	5.6	0.0	18.4	1.8	14.2	1.6	5.4	0.0	2.8	22.4	0.2	8.2	0.2	4.2	0.0	2.0	6.8	1.8	0.0	0.0	10.8	4.4	8.0	0.0	0.2	0.0	1.0	0.0	0.2	4.6	19.0	0.0
25	5.8	4.0	14.4	8.0	0.0	19.4	1.0	25.0	4.8	3.8	0.0	9.0	9.6	4.2	0.6	0.0	0.2	20.6	6.2	15.6	0.8	2.4	0.0	4.2	2.4	3.4	0.4	0.6	7.0	0.0	3.6	12.8	0.0	10.2	0.0
26	5.0	2.0	1.0	5.0	6.0	0.2	0.4	0.0	15.6	0.2	0.0	0.6	0.0	1.2	2.0	0.8	0.4	0.2	4.4	0.8	0.4	0.0	0.0	0.2	1.6	0.0	0.2	8.0	7.6	0.4	2.8	11.6	1.0	0.0	5.6
27	15.6			3.0	0.0	2.2	10.0	10.0	1.8	0.0	0.0	1.6	0.2	1.2	10.4	0.2	8.4	0.0	0.0	2.2	0.0	0.6	0.2	0.0	1.4	0.0	0.6	0.2	0.0	2.4	0.2	6.8	0.4	0.4	0.0
28	2.4	63.8	2.2	0.2	0.0	25.4	12.4	2.8	1.0	0.0	11.4	3.6	0.0	8.8	48.8	0.0	0.2	18.8	3.2	13.0	1.0	0.4	0.4	0.2	8.0	0.0	19.2	0.0	0.0	1.2	0.2	3.8	5.2	12.8	0.0
29		22.8		0.0	0.0		0.4	3.2	6.6	3.2	28.2	0.0	3.4		14.8			17.0	0.2	5.8	0.2	2.8	1.6	0.0	1.2	3.4	29.2	0.0	0.0		2.6	6.6	4.2	0.6	0.0
30	3.2	12.0	0.0	0.0	0.0		0.2	0.0	0.2	4.4	12.0	0.2	0.0	13.2	24.6	2.6	3.2			0.2	0.0	3.8	3.0	0.4	8.0	2.0	31.8	2.2	0.0		0.4	0.6	9.8	1.4	0.0
31		12.8		0.2	0.0		24.8		21.2		0.8	0.0		0.6		0.4	0.4				0.6		0.0	0.0		11.6		0.2	0.2		0.2		17.2		0.0
Resumen	159.8	366.4	300.0	268.8	69.2	302.6	388.2	350.8	259.0	120.6	121.2	86.0	173.6	317.8	417.6	218.6	125.0	89.0	87.2	246.6	125.6	52.6	51.6	57.0	52.4	39.4	192.4	141.2	73.6	219.2	124.4	190.6	227.6	116.6	38.0
mensual	255.5	300.4	300.0	_00.0	55.2	552.0	550.2	550.0				23.0	2, 5.0	527.0	,.0			33.0	٥, . ـ	0.0		52.0	51.0	57.0	J	55.7	252.4		, 3.0			250.0			20.0

Nota: Los datos en rojo están incompletos





Año						20	10					
Día/Mes		SEP			ОСТ			NOV			DIC	
Variables	MÁX	PROM	MÍN	MÁX	PROM	MÍN	MÁX	PROM	MÍN	MÁX	PROM	MÍN
1				61.6	58.5	55.9	83.3	69.8	64.5	72.5	69.2	67.4
2				60.9	58.0	55.9	74.6	69.1	64.5	76.8	70.1	66.0
3				77.5	62.9	57.3	77.5	69.7	66.0	79.0	71.7	68.1
4						60.9	75.4	68.5	64.5	86.9	75.2	70.3
5				63.8	61.3	58.8	71.0	67.5	64.5	73.2	71.2	68.9
6				68.9	62.4	59.5	75.4	69.5	65.2	73.9	69.6	66.7
7	63.1	59.7	56.6	76.1	61.7	57.3	70.3	67.4	65.2	76.1	70.0	67.4
8	64.5	59.3	56.6	73.9	63.5	59.5	81.1	70.6	65.2	75.4	69.0	66.7
9	60.2	58.4	55.1	66.7	62.1	58.8	78.2	69.5	65.2	70.3	67.6	65.2
10	60.2	57.5	55.1	64.5	60.6	58.0	71.0	68.8	66.7	74.6	68.2	65.2
11	60.9	58.5	55.1	61.6	59.5	57.3	71.0	67.9	66.0	68.1	66.3	64.5
12	63.8	60.3	58.0	61.6	59.1	57.3	72.5	67.8	65.2	73.9	66.3	62.4
13	72.5	60.5	57.3	60.2	58.6	55.9	72.5	67.5	64.5			68.1
14	60.9	59.0	56.6	60.2	58.6	56.6	73.2	68.7	66.0	93.4	70.4	66.7
15	60.9	58.9	55.9	94.9	62.6	56.6	73.9	68.7	65.2			66.0
16	76.1	60.7	57.3	64.5	59.5	57.3	102.1	76.5	68.9	94.9	73.9	67.4
17	66.0	59.5	55.1	84.7	63.9	57.3	105.0	86.6	77.5	73.9	70.1	67.4
18	61.6	58.7	56.6	69.6	61.3	58.8	92.0	80.4	76.1	78.2	68.9	66.0
19	66.7	60.0	55.9	89.8	63.3	58.0	97.7	78.9	73.9	92.7	72.9	67.4
20	93.4	67.2	58.0	66.0	61.8	58.8	99.2	80.6	74.6	73.9	69.6	66.0
21	64.5	60.7	58.0	68.1	61.4	57.3	81.1	74.6	71.0	72.5	68.4	65.2
22	65.2	60.4	58.0	62.4	59.9	57.3	78.2	72.9	69.6	71.0	68.2	65.2
23	60.9	59.2	57.3	65.2	60.5	58.0	81.9	73.0	68.9	70.3	67.4	65.2
24	62.4	59.7	56.6	77.5	64.6	58.8	97.0	80.2	71.7	73.9	67.6	64.5
25	63.1	59.3	58.0	65.2	61.9	58.8	87.6	76.5	70.3	71.0	67.1	64.5
26	63.1	59.4	57.3	62.4	60.2	57.3	77.5	74.2	71.7	68.9	66.8	64.5
27	66.0	60.3	58.0	83.3	62.7	58.8	77.5	73.9	71.0	70.3	66.0	63.1
28	60.9	59.0	56.6	113.6	71.2	60.2	74.6	72.2	69.6	66.7	65.1	63.1
29	63.8	59.5	56.6	92.7	68.2	65.2	73.2	70.4	68.1	66.0	64.4	62.4
30	62.4	58.9	56.6	92.0	70.5	66.0	71.0	69.4	67.4		63.9	61.6
31				99.9	69.8	64.5				65.2	63.1	60.9
Promedio Mensual	93.4	59.8	55.1	113.6	62.3	55.9	105.0	72.4	64.5	94.9	68.6	60.9



## UNIVERSIDAD NACIONAL DE COLOMBIA SEDE MANIZALES

Año																		201	1																	
Día/Mes		ENE			FEB			MAR			ABR			MAY			JUN			JUL			AGO			SEP			ОСТ			NOV			DIC	
Variables	MÁX	PROM	MÍN	MÁX	PROM	MÍN	MÁX	PROM	MÍN	MÁX	PROM	MÍN	MÁX	PROM	MÍN	MÁX	PROM	MÍN	MÁX	PROM	MÍN	MÁX	PROM	MÍN	MÁX	PROM	MÍN	MÁX	PROM	MÍN	MÁX	PROM	MÍN	MÁX	PROM	MÍN
1	66.0	62.7	60.9	60.2	57.9	55.9	91.2	68.3	60.2	76.8	65.2	60.9	105.0	73.8	68.9	105.7	77.6	70.3	85.5	64.7	59.5	60.9	59.2	56.6	60.2	58.1	55.1	82.6	64.5	60.2	66.0	62.2	59.5	82.6	74.5	68.9
2	65.2	62.4	60.2	60.9	57.7	55.1	112.9	78.2	64.5	66.7	64.3	61.6	73.9	70.6	68.1			72.5	66.0	63.1	60.2	87.6	62.3	56.6	60.2	58.3	55.9	65.2	62.8	60.9	63.1	61.6	60.2	79.0	71.5	66.7
3	65.2	62.4	60.2	60.2	57.6	55.9	162.7	80.2	68.1	66.0	63.7	61.6	73.2	70.7	68.9	84.0	78.5	73.9	63.1	61.4	58.8	73.9	62.0	57.3	60.2	58.6	56.6	74.6	63.1	58.0	63.1	61.3	59.5	76.8	71.3	66.0
4	88.4	67.8	60.9	60.9	57.6	55.9	81.1	74.4	68.9	75.4	64.1	61.6	73.9	69.7	66.7	97.7	77.1	71.7	65.2	61.5	59.5	62.4	60.0	58.0	60.9	58.6	55.9	79.0	66.1	60.9	73.9	61.5	57.3	81.1	72.5	67.4
5	69.6	65.9	63.1	59.5	57.4	55.1	76.8	72.9	68.1	71.7	64.8	61.6	71.7	69.2	66.7	78.2	73.2	68.9	64.5	61.1	58.0	60.9	59.0	56.6	60.2	57.9	55.1	65.2	63.0	59.5	97.7	64.4	58.8	104.2	79.0	66.7
6	66.7	63.9	60.9		63.5	55.9	86.2	74.9	70.3	66.7	64.1	61.6	72.5	68.9	66.0	77.5	71.9	68.9	76.8	62.5	59.5	60.9	59.0	56.6	60.2	58.1	55.1	87.6	67.2	62.4	64.5	61.9	60.2	90.5	76.8	69.6
7	65.2	63.2	61.6	71.0	61.6	58.0	77.5	72.0	68.1	66.0	63.5	60.9	72.5	68.6	66.7	72.5	70.0	68.1	63.1	60.7	58.0	61.6	58.8	57.3	60.2	58.4	56.6	68.1	63.6	60.9	81.9	64.2	58.8	94.1	75.9	68.9
8						56.6			64.5	66.7	63.5	60.2	71.7	68.3	66.7	71.7	69.0	65.2	62.4	60.1	57.3	60.9	58.3	55.1	80.4	61.1	56.6	71.0	65.1	61.6	70.3	64.8	60.2	81.9	74.2	70.3
9						60.2																				61.6	55.9	67.4	63.8	60.9	66.7	63.3	60.2	106.4	74.7	68.1
10																69.6																		79.0		
11																																		73.9		
12																68.1																		71.7		
13																																		73.2		
14																68.1																		101.3		
15																66.7																		103.5	71.4	
16																66.7																				67.4
17																																		81.9		
18																																		81.1		
19																																		97.7		
20																																		74.6		
21										105.7																								72.5		
22																																		71.0		
23																																		70.3		
24 25																																		69.6		
25 26										01 1			76.1																					70.3		
20 27																																		68.1 67.4		
28																																		65.2		
28 29			56.6	50.5	02.0	50.0																												66.0		
30			56.6													71.7															J2.0	13.2		66.0		
31			55.9					65.2			72.0	, 0.5	86.9				04.0	00.9			57.3					01.0	50.0		62.9				03.0		62.1	
Promedio																															405.5					
Mensual	88.4	60.8	55.9	90.5	61.1	55.1	162.7	70.5	60.2	118.0	70.7	60.2	117.2	71.5	63.8	105.7	66.8	59.5	85.5	60.4	55.9	87.6	59.3	54.4	94.9	61.4	55.1	107.8	68.0	58.0	125.2	70.9	57.3	106.4	70.1	59.5





Año																		20	12																	
Día/Mes		ENE			FEB			MAR			ABR			MAY			JUN			JUL			AGO			SEP			ОСТ			NOV			DIC	
Variables	MÁX	PROM	MÍN	MÁX	PROM	MÍN	MÁX	PROM	MÍN	MÁX	PROM	MÍN	MÁX	PROM	MÍN	MÁX	PROM	MÍN	MÁX	PROM	MÍN	MÁX	PROM	MÍN	MÁX	PROM	MÍN	MÁX	PROM	MÍN	MÁX	PROM	MÍN	MÁX	PROM	MÍN
1	63.8	61.7	59.5	58.8	55.7	53.0	77.5	56.0	51.5						58.8	58.0	56.8	55.1	57.3	54.0	50.8	55.9	53.7	30.6	55.1	53.0	50.1	58.0	54.5	50.8	60.2	57.6	55.1	80.4	65.2	59.5
2	66.0	61.6	59.5	60.9	55.7	53.7	56.6	54.4	51.5				83.3	65.0	58.0				57.3	54.5	51.5	58.0	53.2	50.8		53.2		59.5	55.0	51.5	67.4	59.0	53.0	84.7	66.6	59.5
3	_	62.7		58.0	55.7	53.7	56.6	54.5	50.8				88.4	67.9						54.4	52.3		53.2			53.2		55.9	53.6	50.8	74.6	61.9	55.1	94.9	65.9	60.2
4	63.1	60.8		58.0	55.7	53.0	58.8	54.7	51.5		54.4			66.0	61.6		56.3			54.1	52.3					52.6	32.8	60.2		51.5	61.6			113.6	66.0	59.5
5	69.6	62.3	58.8	60.2	55.9	53.7	56.6	54.5				53.0	76.1	66.3	60.2		56.0	54.4				60.9		53.7		52.8	50.1	79.7		51.5	72.5	59.2	55.1		_	57.3
6	76.8	63.6		57.3	55.8	54.4	79.0					52.3	84.0	70.2						53.8			55.3				50.1	74.6		53.7	58.8	56.4	30.6	69.6	60.2	55.1
7	63.8	61.4	58.8		55.2	53.0		55.4			64.7			66.7	63.8				62.4						76.8							56.2			58.5	7.5
8	62.4	60.4	57.3	60.9	55.7	53.7	56.6			133.8			89.8	70.4	63.1		56.1			53.6						52.8	50.1	79.7	60.2		59.5	56.7	54.4	60.9	57.7	31.3
9	62.4	59.9		58.0		52.3	55.9	53.7	51.5			56.6	67.4				56.3			53.7						52.6	50.1	61.6		53.7	58.8	56.7	54.4	63.1		31.3
10	61.6	59.2			55.6	52.3	56.6			115.8		58.0	66.0	63.5	60.9		56.4			53.7	50.8			51.5		52.5	49.4	58.8		52.3	58.8	56.8	54.4	60.9	57.5	30.6
11		58.9			55.1			53.7				59.5	68.1	63.6	29.9		56.2			55.4			53.9				50.1	58.0				57.2	55.1	60.2	57.4	54.4
12 13	60.0	58.7 58.4				53.0		53.5				63.1 60.9	64.5	62.1	60.2		56.0 55.8			57.2 55.3			54.8 55.6			53.0 53.3	50.8		56.5		65.3	62.5 62.1	53.7 57.3	60.2	57.2 57.7	
14	61.6	58.3	56.6 55.9	58.0 56.6	54.6 54.7	52.3 53.0	56.6 56.6	53.9 54.6	50.8 52.3			58.8	65.3 63.1	61.8 60.6	58.8		56.1			55.4			54.6			52.7	50.8 47.9	94.9	_	55.1 53.7	65.3	61.0	56.6	77.5	_	54.4 53.0
15	63.1	59.2		58.0		51.5	56.6					60.2	62.4	60.0			56.5			54.3			53.5			52.7		110.0		55.9		66.5	58.8	89.8	64.3	57.3
16	60.9	58.1				52.3	60.9				62.7	59.5	68.9		55.9		61.8			56.6			53.8				50.1					63.7	59.5	75.4	63.8	58.0
17	64.5	58.8			54.9	53.0	57.3		51.5		61.4	58.0	63.8	61.2			57.2			54.8	2.4					53.9	50.8	75.4				74.6		_		55.9
18			56.6	56.6	54.9	53.7	88.4	57.2			61.0	58.8	65.3	60.1	55.9		55.7	32.0		54.2				50.8		53.4	50.8	95.6		59.5				65.3	61.2	
19			55.1	57.3	55.0	53.0	81.1	60.4	53.7	82.6	65.8	60.2	89.8	63.6	59.5	59.5	56.0		59.5	54.2	31.3	57.3	53.0	50.8	55.1	52.0	49.4	66.7	62.0	58.8	62.4	62.2	61.6	71.0	60.5	56.6
20	67.4	61.0	58.0	57.3	54.7	51.5	84.7	57.8	50.8	64.5	62.2	58.8	64.5	60.1	58.0	57.3	55.3	52.3	56.6	53.9	30.6	55.9	53.9	52.3	57.3	53.8	50.1	61.6	59.2	56.6	66.0	63.9	60.9	61.6	58.9	55.1
21	64.5	60.2	56.6	57.3	54.4	50.8	58.8	55.5	51.5	77.5	63.2	58.0	62.4	59.4	55.9	58.0	55.7	53.7	55.9	53.1	17.6	55.9	53.2	31.3	55.1	53.4	50.8	79.7	64.6	58.0	67.4	62.8	59.5	60.9	58.4	55.1
22	63.1	59.8	57.3	56.6	54.3	52.3	63.8	58.9	55.1	94.9	67.6	62.4	61.6	58.9	55.9	57.3	54.4	50.1	56.6	53.6	40.0	55.9	53.7	51.5	59.5	54.1	50.1	103.5	66.3	57.3	68.1	63.3	58.8	60.2	58.2	55.1
23	61.6	58.6	55.9	56.6	54.4	51.5	58.0	55.4	52.3	70.3	63.2	56.6	60.9	58.3	55.1	57.3	54.8	52.3	55.1	53.1	50.1	57.3	54.0	51.5	65.3	54.6	50.8	72.5	62.0	53.7	64.5	61.8	58.8	63.8	58.8	55.9
24	95.6	62.6	55.1	56.6	54.0	52.3	56.6	54.8	52.3	67.4	62.4	58.8	60.2	57.8	54.4	59.5	55.0	9.7	55.1	52.9	51.5	55.9	54.3	47.9	67.4	55.1	50.8	68.1	62.4	58.0	64.5	61.9		60.9	56.9	54.4
25	62.4	58.8	55.9	83.3	56.7	52.3	74.6	58.0	53.0	81.9	61.3	56.6	59.5	57.6	55.9	57.3	54.9	16.2	57.3	54.3	15.4	59.5	54.4	50.8	55.1	53.3	51.5	68.9	62.0	56.6	68.9	64.8	60.2	60.9	57.9	55.1
26	62.4	58.2	55.1		55.6	53.0	63.1	56.9	54.4		59.5	57.3	59.5		53.0		54.3			53.5	50.8	55.9	53.1	51.5	74.6	56.7	49.4	62.4		55.1	63.8	62.1	58.0	68.1	59.3	53.0
27		58.1				52.3		55.2			59.4					56.6				55.0			52.3			54.9	50.1	60.9		55.9		62.3	59.5	63.8	59.7	30.6
28																																		60.2		
29					56.4	51.5	58.0	55.4	51.5																									59.5		
30		56.5								60.9	58.9	55.9					55.0	30.6							59.5	54.5	51.5				84.7	70.9	60.9		56.7	
31	57.3	56.1	54.4										58.8	56.5	54.4				55.1	53.2	50.8	55.9	54.2	53.0				78.2	58.8	54.4				59.5	56.4	52.3
Promedio Mensual	95.6	59.6	54.4	83.3	55.1	50.8	88.4	55.5	50.1	133.8	62.6	52.3	89.8	61.6	29.9	78.2	55.8	9.7	76.1	54.3	2.4	60.9	53.9	30.6	76.8	53.5	32.8	122.3	60.3	50.8	99.9	61.9	30.6	113.6	59.9	7.5





Año	1										2013										
Día/Mes		ENE			FEB			MAR			ABR			MAY			JUN			JUL	
Variables	MÁX	PROM	MÍN																		
1	60.2	56.9	30.6	59.5	56.0	53.0	68.1	58.6	55.1	86.9	59.4	52.3	65.3	59.6	56.6	69.6	63.3	58.0	60.9	57.7	54.4
2	59.5	56.2	31.3	86.2	67.0	54.4	63.1	56.7	52.3	60.2	56.9	53.0	72.5	62.9	55.9	84.7	66.0	58.8	60.2	56.7	54.4
3	58.8	55.9	29.9	63.1	56.8	53.0	64.5	57.8	54.4	59.5	56.5	52.3	64.5	60.1	56.6	69.6	63.9	59.5	60.9	56.8	14.0
4	58.0	55.6	52.3	71.0	56.9	53.0	63.8	57.2	53.0	59.5	56.3	52.3	72.5	59.1	53.7	68.9	62.0	58.0	60.2	57.1	29.9
5	58.8	55.7	30.6	60.2	57.0	54.4	61.6	56.7	52.3	59.5	56.2	52.3		66.8	58.8	64.5	61.0	56.6	60.2	57.6	35.7
6	61.6	56.9	53.0	60.9	55.8	30.6	62.4	56.6	31.3	61.6	56.5	51.5	62.4	60.1	55.1	63.8	60.6	55.9	60.2	57.6	53.0
7	59.5	55.8	8.2	60.2	55.6	48.6	63.8	56.9	51.5	62.4	56.4	52.3	63.8	60.8	58.0	63.8	59.9	56.6	63.1	57.9	53.7
8	58.0	55.6	52.3	70.3	60.5	55.1	60.9	56.8	53.0	61.6	56.0	50.1	63.1	60.1	55.9	63.1	59.4	55.1	61.6	56.3	53.0
9	57.3	55.2	52.3	67.4	60.8	55.1	65.3	57.3	53.0	66.7	57.3	51.5	65.3	59.4	55.9	64.5	59.1	53.7	58.8	55.8	53.0
10	58.0	55.2	53.0	97.7	69.7	61.6	63.8	57.2	53.0	63.1	57.4	53.0	63.1	58.9	55.1	61.6	58.5	55.1	62.4	59.9	58.0
11	57.3	55.1	51.5	67.4	62.8	56.6	62.4	57.6	53.0	67.4	57.3	51.5	63.1	59.1	55.1	62.4	58.9	55.1	60.2	56.3	
12	58.0	55.3	51.5	96.3	67.8	56.6	63.1	57.0	52.3	59.5	56.2	52.3	63.8	58.9	54.4	73.9	60.1	54.4	59.5	56.4	51.5
13	61.6	56.3	53.0		65.3	56.6	60.2	57.1	51.5	58.8	55.5	52.3	63.1	58.3	54.4	62.4	58.7	54.4	59.5	56.3	53.0
14	71.0	56.4	52.3	67.4	62.8	58.0	60.9	57.2	52.3	78.2	58.4	53.0	63.8	58.1	54.4			55.9	63.1	57.1	53.0
15	83.3	58.0	52.3	97.0	64.8	56.6	87.6	63.3	54.4	60.9	56.4	52.3	62.4	58.9	55.1	62.4	58.8	55.9	60.2	57.3	53.7
16	58.8	55.9	52.3	65.3	61.6		58.8	55.7	53.0		57.3	49.4	60.9	58.1	54.4	64.5	59.4	54.4	60.2	56.4	34.9
17	58.0	55.4	53.0	66.0	61.8	58.8	75.4	59.3	53.0	76.1	59.5	51.5	69.6	61.3	57.3	62.4	58.3	54.4	59.5	55.9	53.0
18	65.3	56.5	53.0	63.1	59.5	55.1	76.8	60.8	54.4	63.1	57.2	51.5	63.1	57.4	53.0	63.8	57.8	53.7	59.5	56.9	53.7
19	59.5	55.3	51.5	63.8	59.6	55.1	62.4	57.2	53.7	87.6	62.9	55.1	63.8	58.9	54.4	66.0	60.0	55.9	59.5	55.8	52.3
20	60.2	55.5	52.3	62.4	58.9	32.0	74.6	59.6	53.0	65.3	58.5	54.4	91.2	62.2	55.1	61.6	58.7	24.1	59.5	55.8	51.5
21	57.3	54.6	51.5	61.6	58.4	54.4	73.9	62.3	55.1	79.7	61.5	54.4	71.0	64.7	58.0	60.9	57.7	53.7	63.8	56.8	52.3
22	59.5	54.9	52.3	63.8	57.8	53.7	63.1	58.8	53.7	63.8	59.3	55.1	76.1	65.4	58.8	60.2	57.7	55.1	60.9	55.4	51.5
23	60.9	55.5	53.0	60.9	57.2	29.9	61.6	58.1	54.4	66.7	58.2	54.4	76.1	64.5	59.5	63.1	57.7	53.7	59.5	56.2	52.3
24	58.0	55.2	52.3	63.8	58.5	32.0	62.4	57.8	54.4	60.9	57.3	53.7	73.9	65.2	60.9	84.7	58.8	55.1	58.8	55.1	50.1
25	63.8	56.5	53.0	60.2	56.5	53.7	63.1	57.8	52.3	78.2	59.8	50.8	66.7	63.6	60.2	73.2	61.2	57.3	58.8	55.0	49.4
26	63.8	57.1	52.3	60.9	56.9	30.6	88.4	59.3	51.5	80.4	61.7	54.4	69.6	64.1	58.8	62.4	58.8	54.4	64.5	56.6	53.7
27	60.9	56.6	53.0	63.1	57.0	53.0	60.9	57.1	34.9	76.8	61.5	55.1	65.3	61.7	58.0	62.4	58.1	55.9	58.0	55.0	52.3
28	59.5	55.7	51.5	60.2	57.3	31.3	60.9	58.4	54.4	65.3	60.6	55.9	70.3	62.5	57.3	66.0	60.4	56.6	60.9	55.5	52.3
29	58.0	55.5	51.5				62.4	58.3	53.0	66.0	60.4	55.9	85.5	62.2	56.6	62.4	57.5	53.7	60.2	55.3	53.0
30	57.3	55.2	51.5				62.4	57.6	53.0	65.3	60.3	55.1	66.7	62.0	57.3	65.3	59.3	55.9	60.2	56.5	53.0
31	57.3	55.4	53.0				60.9	57.8	53.0				70.3	64.1	58.0				60.2	54.8	28.4
Promedio Mensual	83.3	55.8	8.2	97.7	60.0	29.9	88.4	58.1	31.3	87.6	58.3	49.4	91.2	61.3	53.0	84.7	59.7	24.1	64.5	56.4	14.0