



Grupo de trabajo académico en Ingeniería Hidráulica y Ambiental

UNIVERSIDAD NACIONAL DE COLOMBIA SEDE MANIZALES

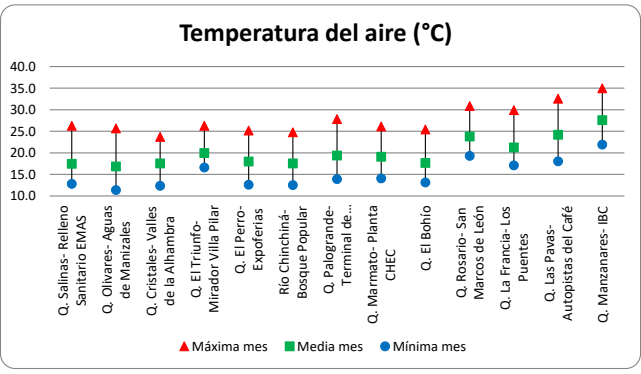
ESTACIONES HIDROMETEOROLÓGICAS EN CUENCAS URBANAS Y RURALES EN MANIZALES

REGISTROS TEMPERATURA DEL AIRE

JUNIO DE 2019



Estaciones	Q. Manzanares - IBC			Q. Las Pavas - Autopistas del Café			Q. El Rosario - San Marcos de León			Q. La Francia - Los Puentes			Q. Marmato - Planta CHEC			Q. Palogrande - Terminal de Transportes			Q. El Triunfo - Mirador Villapilar			Q. El Bohío			Q. Salinas - Relleno Sanitario Emas			Q. Olivares - Aguas de Manizales			Q. El Perro - Expoferias			Río Chinchiná - Bosque Popular			Q. Cristales - Valles de La Alhambra				
	Máxima	Media	Mínima	Máxima	Media	Mínima	Máxima	Media	Mínima	Máxima	Media	Mínima	Máxima	Media	Mínima	Máxima	Media	Mínima	Máxima	Media	Mínima	Máxima	Media	Mínima	Máxima	Media	Mínima	Máxima	Media	Mínima	Máxima	Media	Mínima								
S 1	31.1	26.6	24.2	28.5	24.7	22.5	25.9	22.8	20.7	25.9	22.8	20.7	21.4	18.3	16.4	22.6	18.4	16.2	20.6	18.3	16.7	20.0	17.2	15.5	20.5	16.6	14.6	18.6	15.6	13.4	20.8	17.0	15.1	20.4	16.7	15.1	20.2	17.5	14.5		
D 2	34.2	27.2	23.5	30.9	25.2	21.4	27.5	23.2	19.4	27.5	23.2	19.4	22.0	18.3	14.8	24.5	18.8	14.6	23.8	19.3	16.6	20.1	17.5	14.8	23.3	17.2	13.2	20.2	16.9	13.4	22.2	17.2	13.2	21.8	16.4	13.3	22.0	18.4	14.7		
L 3	35.0	28.0	22.7	32.4	26.2	21.6	29.9	24.3	20.6	30.0	24.3	20.6	24.5	19.0	15.0	25.0	19.4	15.0	24.9	20.3	17.5	23.7	19.2	15.8	25.8	17.8	13.9	21.8	17.6	12.8	23.7	18.0	13.7	23.7	17.6	13.5	22.2	19.6	16.2		
M 4	35.0	27.8	23.2	31.2	23.9	20.9	30.6	24.8	20.3	26.2	21.1	19.8	26.0	19.1	14.7	26.8	19.8	14.6	25.8	21.1	18.5	24.6	19.9	17.1	26.3	18.1	13.6	22.2	18.6	14.0	24.5	18.1	13.2	24.2	17.7	12.9	22.9	19.5	14.4		
M 5	34.5	27.7	24.2	29.8	24.0	20.6	28.8	24.3	21.1	24.9	21.2	18.3	23.3	19.0	16.4	25.8	19.4	16.3	22.9	20.1	18.2	22.4	19.1	16.6	24.1	17.4	14.6	20.7	18.0	14.9	23.9	18.2	15.0	23.7	18.1	14.7	22.0	18.4	14.5		
J 6	33.7	27.7	22.8	29.1	23.9	19.0	28.0	23.7	19.8	25.5	20.7	17.4	21.4	18.2	14.6	22.4	18.6	14.4	22.9	19.3	17.4	21.5	18.3	15.5	21.0	16.9	13.5	19.3	17.4	15.4	23.1	17.0	13.1	20.5	16.4	13.0	19.9	16.3	12.8		
V 7	28.0	25.1	23.6	24.9	22.0	20.8	23.8	21.8	20.3	20.6	19.0	17.6	19.3	17.4	15.9	20.9	17.3	15.5	18.9	17.7	17.0	18.1	16.5	15.2	17.9	15.7	14.0	16.3	15.2	14.0	18.6	16.3	14.8	19.2	16.1	14.4	18.5	15.6	14.3		
S 8	23.9	23.8	23.8	21.0	20.8	20.7	20.6	20.4	20.3	17.7	17.6	17.5	15.9	15.8	15.7	15.7	15.6	15.5	17.3	17.2	17.2	20.8	17.2	15.0	14.0	14.0	14.0	21.2	18.2	14.9	14.7	14.6	14.6	14.5	14.4	14.3	14.3	14.3	14.2		
D 9																																									
L 10	33.8	28.2	25.1	29.3	24.6	21.6	27.6	24.2	21.6	24.3	21.2	18.9	23.3	20.0	16.9	25.8	19.9	16.8	21.7	19.7	18.3	21.2	18.5	16.6	21.7	17.9	15.2	19.7	17.3	15.2	23.0	18.7	15.4	22.5	18.3	15.3	21.1	17.8	14.9		
M 11	33.9	28.0	24.9	30.0	24.3	21.5	28.7	23.8	21.4	25.0	20.9	18.5	23.4	19.0	16.5	25.7	19.4	16.2	23.2	19.4	17.6	22.1	18.4	16.1	22.9	17.4	14.9	20.5	17.5	15.3	23.7	18.1	15.0	22.5	17.6	14.9	22.2	17.4	14.5		
M 12	32.5	28.5	25.7	28.7	24.2	21.7	27.0	23.7	21.5	24.5	20.7	18.9	22.8	19.9	17.3	24.7	20.2	17.0	24.6	19.7	17.5	22.6	18.6	16.3	23.3	17.5	15.4	21.0	17.1	14.4	23.7	18.3	15.8	23.0	19.0	15.8	22.3	18.1	15.2		
J 13	34.4	27.7	24.8	30.4	24.5	21.8	28.1	23.7	21.1	25.4	20.8	18.5	23.1	19.7	16.8	23.9	19.1	16.5	24.0	19.5	17.9	22.6	18.5	16.4	21.8	17.3	14.8	20.1	17.5	15.3	23.1	18.0	15.3	22.6	17.8	15.2	22.0	17.3	14.8		
V 14	32.8	27.4	24.4	28.6	23.7	20.9	27.5	23.1	19.9	24.3	20.3	17.5	22.5	18.5	15.2	23.7	18.8	14.8	22.8	19.3	17.4	17.4	15.4	13.1	21.3	17.0	13.6	25.7	17.1	13.8	21.7	17.4	13.9	21.2	17.3	13.9	21.0	16.9	13.7		
S 15	35.0	28.3	23.0	30.8	24.8	20.9	28.7	24.0	20.6	26.0	21.3	18.1	23.8	19.0	15.0	26.3	19.6	15.0	23.8	20.0	17.6	20.3	16.8	15.5	22.9	17.6	13.8	20.1	17.3	13.9	25.2	18.1	13.6	23.2	18.1	13.6	22.5	17.2	13.1		
D 16	35.0	28.3	24.2	30.2	24.5	20.3	27.7	23.9	21.7	25.9	21.3	18.9	22.6	19.5	15.9	25.3	19.6	15.4	23.8	20.0	17.9	17.2	16.5	15.7	23.5	17.7	14.2	21.2	16.2	13.1	23.1	18.1	14.2	22.7	17.7	14.1	22.1	17.2	13.6		
L 17	35.0	27.8	22.2	32.4	24.5	18.4	30.1	24.5	19.9	26.9	21.7	17.8	25.7	19.8	14.6	27.2	20.0	14.4	26.3	21.5	18.5	24.9	20.8	17.3	25.3	17.8	13.3	22.8	16.7	12.0	24.8	18.6	13.6	24.4	18.3	13.2	23.5	17.6	13.0		
M 18	34.9	27.6	23.4	32.6	24.6	19.7	30.9	24.9	21.3	27.0	21.9	18.7	26.1	19.7	15.8	26.0	20.0	15.7	25.1	21.5	18.7	18.7	14.2	15.6	18.1	14.7	22.2	16.9	13.0	24.3	18.8	14.6	23.9	17.9	14.5	23.4	18.0	14.1			
M 19	34.3	28.6	24.9	31.2	25.1	21.4	29.3	24.8	22.0	26.3	21.9	19.5	24.7	20.1	17.1	26.1	20.5	16.8	23.7	20.6	18.8	23.1	19.7	17.3	23.0	18.6	15.4	21.6	17.2	14.2	23.7	19.2	15.6	23.9	18.7	15.3	22.8	18.4	15.0		
J 20	33.1	28.5	25.2	29.9	25.1	21.9	28.3	24.5	21.7	25.2	21.7	19.1	23.9	19.8	16.8	26.0	20.3	16.8	23.3	20.7	18.6	21.0	19.3	15.5	22.8	18.2	15.5	20.6	16.7	13.9	23.1	18.8	15.6	22.8	18.7	15.2	21.9	18.0	14.9		
V 21	35.0	27.8	23.5	32.5	25.1	19.8	30.0	24.8	20.8	27.3	22.0	18.2	25.6	19.8	15.7	27.7	20.7	15.4	25.3	21.3	19.0	18.4	17.4	15.9	25.0	18.4	14.1	22.6	16.9	12.5	24.7	19.1	14.4	24.5	18.7	14.7	23.6	18.2	14.1		
S 22	34.9	28.2	24.3	32.4	25.0	20.9	29.1	24.4	21.2	25.8	21.5	18.8	24.9	19.6	16.3	25.2	20.0	16.2	24.2	20.7	18.6	22.4	16.8	15.3	23.9	18.2	14.9	21.4	16.8	13.3	24.0	18.8	15.3	23.7	18.3	15.2	22.6	18.0	14.8		
D 23	32.5	27.8	24.2	28.7	24.2	20.9	27.0	24.0	21.3	23.9	21.2	18.6	23.0	19.1	16.3	23.8	19.4	16.0	22.4	20.2	18.6	19.7	17.2	14.9	21.9	17.7	14.6	19.8	16.4	13.4	22.3	18.2	14.9	21.9	17.7	14.6	20.8	17.5	14.5		
L 24	34.6	27.1	23.5	30.8	23.6	19.7	28.8	23.5	20.8	25.8	20.8	18.2	23.6	18.8	15.7	25.7	19.0	15.4	22.5	19.6	18.0	19.7	15.1	13.6	22.5	17.0	14.2	19.5	15.6	12.6	23.2	17.7	14.2	23.3	17.6	14.0	20.9	16.9	13.8		
M 25	31.9	26.2	22.4	27.5	22.9	19.8	26.0	22.6	20.6	23.4	20.1	18.4	21.9	18.5	15.9	22.9	18.6	15.5	21.9	19.0	17.3	18.5	15.0	14.0	20.7	16.7	14.4	18.7	15.4	13.0	21.2	17.4	14.0	20.6	17.1	13.9	19.5	16.6	13.8		
M 26	34.8	27.5	21.9	30.1	23.6	18.0	28.1	23.4	19.3	26.0	20.9	17.1	23.7	19.1	14.1	26.0	19.3	13.9	23.3	20.1	17.8	18.0	15.9	14.4	23.2	17.2	12.8	21.2	15.8	11.4	22.8	17.7	12.6	21.9	16.2	12.5	22.6	17.1	12.4		
J 27	34.9	28.3	24.0	32.1	24.2	18.4	29.8	24.9	21.0	27.7	22.2	18.4	25.5	20.5	15.5	27.8	20.9	15.0	25.2	21.1	18.2	24.7	18.2	14.7	24.7	18.8	14.3	22.5	17.2	12.4	25.0	19.2	14.0	24.8	18.8	13.3	23.7	18.4	13.3		
V 28	34.8	28.5	24.6	31.1	24.8	20.9	28.4	24.1	21.6	25.9	21.5	19.1	23.8	20.0	16.5	25.0	20.1	16.0	24.4	20.8	18.9	17.3	16.7	16.2	24.2	18.5	14.9	20.8	17.1	13.6	24.0	19.0	15.1	23.0	17.7	15.3	22.5	18.1	14.4		
S 29	33.9	27.7	23.5	30.1	23.6	19.6	30.1	24.0	21.0	26.2	21.2	18.5	24.9	19.1	15.6	25.7	19.5	15.5	24.4	20.5	17.8	18.5	16.0	14.8	24.1	17.7	14.1	21.3	16.5	12.7	23.1	18.2	14.1	21.8	16.8	14.0	22.3	17.4	13.7		
D 30	34.9	27.9	22.7	30.5	24.0	19.2	28.1	23.7	20.4	25.4	21.0	17.4	23.5	19.0	14.8	25.3	19.3	14.7	23.6	19.5	17.6	21.7	17.4	14.7	23.8	17.5	13.4	20.4	16.2	12.4	23.7	18.1	13.5	23.2	17.8	13.2	21.5	17.2	12.8		



Estaciones	Máxima mes	Media mes	Mínima mes
Q. Salinas - Relleno Sanitario EMAS	26.3	17.5	12.8
Q. Olivares - Aguas de Manizales	25.7	16.9	11.4
Q. Cristales - Valles de la Alhambra	23.7	17.5	12.4
Q. El Triunfo - Mirador Villa Pillar	26.3	19.9	16.6
Q. El Perro - Expoferias	25.2	18.0	12.6
Río Chinchiná - Bosque Popular	24.8	17.5	12.5
Q. Palogrande - Terminal de Transportes	27.8	19.4	13.9
Q. Marmato - Planta CHEC	26.1	19.1	14.1
Q. El Bohío	25.4	17.7	13.1
Q. Rosario - San Marcos de León			