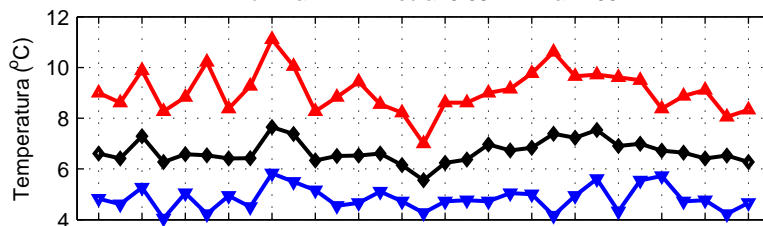


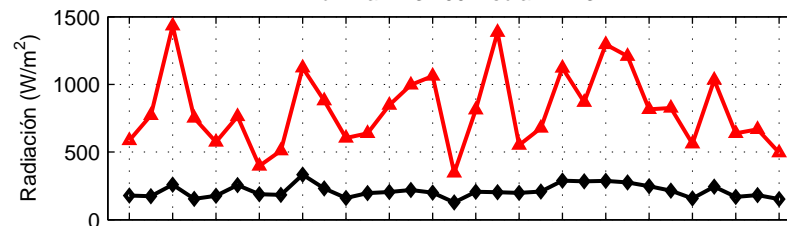
Estación: Cortaderal
Fecha: Julio de 2010
Registros: 31 de 31

Reporte climatológico mensual
Red Hidroclimatológica del Departamento de Risaralda
Revisó: Adm. Ambiental Víctor Manuel Bermúdez Marín. Operador REDH
Aprobó: Ing Ph.D. Juan Mauricio Castaño Rojas. Director REDH.
Contáctenos: <http://www.utp.edu.co/hidroclimatologica>

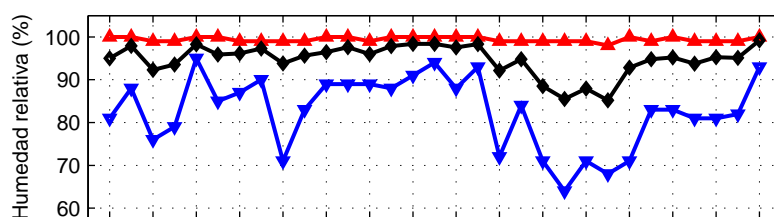
Máxima: 11.11 Media: 6.68 Mínima: 4.05



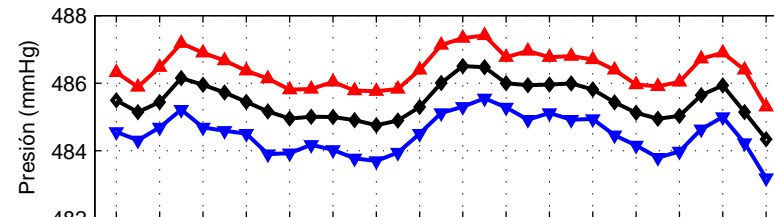
Máxima: 1434.00 Media: 211.34



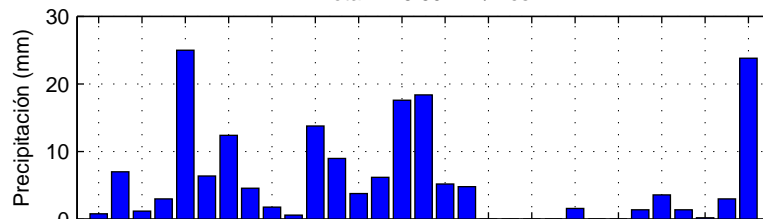
Máxima: 100.00 Media: 94.73 Mínima: 64.00



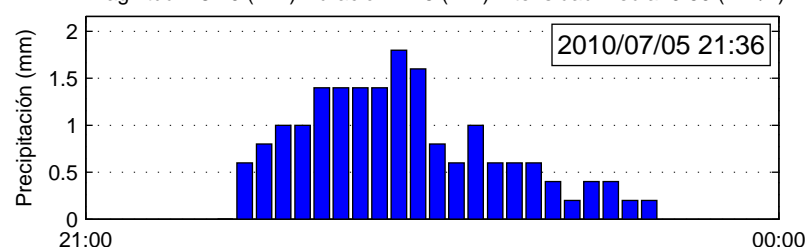
Máxima: 487.41 Media: 485.47 Mínima: 483.19



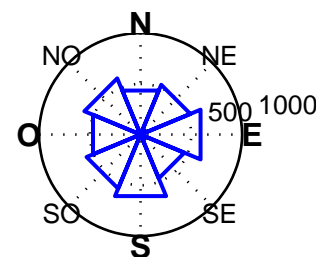
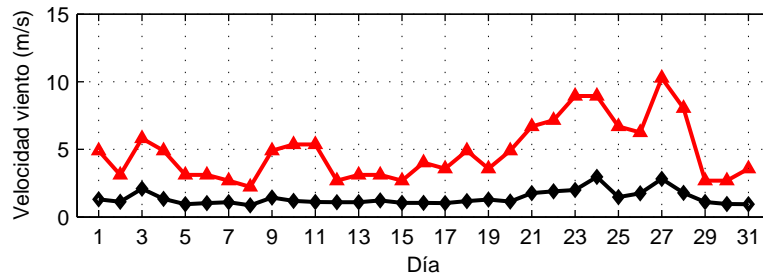
Total: 176.60 mm/mes



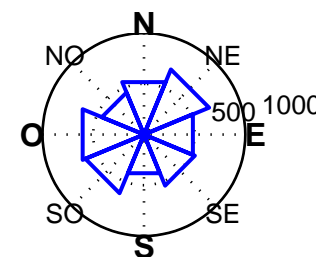
Magnitud: 18.40 (mm) Duración: 115 (min) Intensidad Media: 9.60 (mm/h)



Máxima: 10.28 Media: 1.39



Dirección del viento (Día)



Dirección del viento (Noche)



Estación: Cortaderal
Fecha: Julio de 2010
Registros: 31 de 31

Reporte climatológico mensual
 Red Hidroclimatológica del Departamento de Risaralda
 Revisó: Adm. Ambiental Victor Manuel Bermúdez Marín. Operador REDH
 Aprobó: Ing Ph.D. Juan Mauricio Castaño Rojas. Director REDH.
 Contáctenos: www.utp.edu.co/hidroclimatologica

Día	Temperatura (°C)			Vel. Viento (m/s)		Presión (mmHg)	Humedad (%)	Precipitación (mm)	Evap (mm)	Radiación solar (W/m ²)	
	Máx	Media	Mín	Máx	Media	Media	Media	Total	Total	Máx	Media
1	9.00	6.60	4.83	4.91	1.31	485.49	95.02	0.80	0.96	585.00	178.94
2	8.61	6.41	4.61	3.12	1.12	485.14	97.90	7.00	0.86	772.00	173.88
3	9.88	7.29	5.27	5.81	2.10	485.44	92.33	1.20	1.50	1434.00	258.22
4	8.27	6.27	4.05	4.91	1.34	486.15	93.54	3.00	0.78	752.00	152.87
5	8.83	6.58	5.05	3.12	0.95	485.95	98.29	25.00	0.84	575.00	177.08
6	10.22	6.54	4.22	3.12	1.03	485.72	95.86	6.40	2.81	763.00	254.79
7	8.38	6.41	4.94	2.68	1.09	485.45	96.15	12.40	3.38	396.00	188.46
8	9.27	6.42	4.50	2.23	0.86	485.16	97.27	4.60	0.90	510.00	182.58
9	11.11	7.65	5.83	4.91	1.44	484.95	93.84	1.80	1.76	1123.00	332.76
10	10.05	7.38	5.49	5.36	1.19	485.01	95.62	0.60	1.17	879.00	231.03
11	8.27	6.34	5.16	5.36	1.11	485.00	96.44	13.80	0.78	603.00	160.21
12	8.83	6.51	4.55	2.68	1.10	484.91	97.61	9.00	0.95	638.00	196.95
13	9.44	6.53	4.66	3.12	1.10	484.76	96.02	3.80	1.08	847.00	204.26
14	8.55	6.60	5.11	3.12	1.22	484.90	97.87	6.20	1.16	997.00	219.79
15	8.22	6.15	4.72	2.68	1.05	485.30	98.38	17.60	0.96	1062.00	199.83
16	7.00	5.56	4.27	4.02	1.04	486.00	98.39	18.40	0.56	346.00	127.67
17	8.61	6.24	4.72	3.57	1.03	486.51	97.53	5.20	1.00	812.00	206.67
18	8.61	6.37	4.77	4.91	1.18	486.47	98.35	4.80	0.97	1385.00	203.08
19	9.00	6.97	4.72	3.57	1.28	486.00	92.17	0.00	1.25	552.00	198.49
20	9.16	6.73	5.05	4.91	1.15	485.94	94.79	0.00	1.12	677.00	207.46
21	9.77	6.83	5.00	6.70	1.76	485.96	88.54	0.00	1.69	1121.00	287.61
22	10.61	7.39	4.16	7.15	1.90	485.99	85.52	0.00	1.90	868.00	283.08
23	9.66	7.23	4.94	8.94	1.99	485.81	87.95	1.60	3.42	1296.00	287.29
24	9.72	7.53	5.61	8.94	2.97	485.43	85.19	0.00	1.82	1208.00	274.43
25	9.61	6.90	4.33	6.70	1.48	485.13	92.84	0.00	1.40	816.00	247.19
26	9.50	7.00	5.55	6.25	1.74	484.95	94.79	1.40	1.16	826.00	214.95
27	8.38	6.72	5.72	10.28	2.83	485.03	95.21	3.60	0.85	561.00	156.50
28	8.88	6.64	4.72	8.04	1.78	485.64	93.78	1.40	1.34	1032.00	243.26
29	9.11	6.41	4.77	2.68	1.10	485.93	95.29	0.20	0.87	638.00	168.38
30	8.05	6.53	4.22	2.68	0.95	485.15	95.09	3.00	0.95	668.00	181.17
31	8.33	6.28	4.66	3.57	0.95	484.34	99.21	23.80	0.73	496.00	152.57
TOTAL								176.60	40.92		
PROM	9.06	6.68	4.85	4.84	1.39	485.47	94.73			814.13	211.34

Cuadro 1: Resumen de análisis climatológico

Estación: Cortaderal
Fecha: Julio de 2010
Registros: 31 de 31

Reporte climatológico mensual
 Red Hidroclimatológica del Departamento de Risaralda
 Revisó: Adm. Ambiental Victor Manuel Bermúdez Marín. Operador REDH
 Aprobó: Ing Ph.D. Juan Mauricio Castaño Rojas. Director REDH.
 Contáctenos: www.utp.edu.co/hidroclimatologica

Día	Lluvias por intensidad				Lluvias por jornada				CLL	PT (mm)	DP		DM (min)	MM (mm)	IMM (mm/h)	IM5 (mm/h)
	F	M	L	LL	Md	Mñ	T	N			(h)	(%)				
1	0	0	2	0	0	0	2	0	2	0.80	0.33	1.39	15.00	0.40	1.20	2.40
2	0	0	6	0	0	3	3	0	6	7.00	1.75	7.29	105.00	3.80	2.07	12.00
3	0	1	0	0	0	0	1	0	1	1.20	0.25	1.04	20.00	1.20	2.88	7.20
4	0	0	6	1	0	4	3	0	7	3.00	1.25	5.21	55.00	0.80	0.80	2.40
5	1	0	11	0	0	3	6	3	12	25.00	4.25	17.71	115.00	18.40	9.20	21.60
6	0	0	7	0	5	0	2	0	7	6.40	2.42	10.07	90.00	2.60	1.64	4.80
7	0	2	4	1	3	1	3	0	7	12.40	2.67	11.11	90.00	6.80	4.29	12.00
8	0	2	5	0	1	1	3	2	7	4.60	1.42	5.90	50.00	2.40	2.62	7.20
9	0	0	3	1	3	0	1	0	4	1.80	0.75	3.13	80.00	1.20	0.85	2.40
10	0	0	3	0	3	0	0	0	3	0.60	0.25	1.04	10.00	0.20	0.80	2.40
11	0	1	7	2	4	5	0	1	10	13.80	3.92	16.32	205.00	10.00	2.86	12.00
12	0	1	5	1	0	1	4	2	7	9.00	2.58	10.76	105.00	3.80	2.07	7.20
13	0	1	2	1	1	0	3	0	4	3.80	0.83	3.47	20.00	2.40	5.76	14.40
14	0	1	6	2	2	1	4	2	9	6.20	1.92	7.99	65.00	3.60	3.09	7.20
15	0	0	9	3	2	2	2	6	12	17.60	6.25	26.04	190.00	6.60	2.03	4.80
16	0	0	8	1	2	3	4	0	9	18.40	6.17	25.69	285.00	11.60	2.40	7.20
17	0	3	4	0	1	0	6	0	7	5.20	1.17	4.86	30.00	2.20	3.77	12.00
18	0	0	9	0	0	1	7	1	9	4.80	1.50	6.25	60.00	2.20	2.03	7.20
19	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0	0	3	0	0	1	2	0	3	1.60	0.50	2.08	15.00	0.60	1.80	4.80
24	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0	0	2	0	2	0	0	0	2	1.40	0.42	1.74	25.00	1.00	2.00	4.80
27	0	0	4	0	0	1	3	0	4	3.60	1.08	4.51	55.00	1.80	1.80	9.60
28	0	0	3	0	0	0	3	0	3	1.40	0.42	1.74	15.00	0.60	1.80	4.80
29	0	0	1	0	0	0	1	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
30	0	1	2	1	0	0	3	1	4	3.00	0.92	3.82	30.00	1.40	2.40	4.80
31	0	3	9	1	5	3	1	4	13	23.80	4.67	19.44	155.00	14.00	5.25	24.00
MAX	1	3	11	3	5	5	7	6	13	25.00	6.25	26.04	285.00	18.40	9.20	24.00
TOTAL	1	16	121	15	34	30	67	22	153	176.60	47.75	6.42				

Cuadro 1: Análisis mensual de lluvias

F	Fuerte	$7.6 \text{ (mm/h)} \leq \text{intensidad}$
M	Moderada	$2.5 \text{ (mm/h)} < \text{intensidad} \leq 7.6 \text{ (mm/h)}$
L	Ligera	$1.0 \text{ (mm/h)} < \text{intensidad} \leq 2.5 \text{ (mm/h)}$
LL	Llovizna	$1.0 \text{ (mm/h)} \geq \text{intensidad}$

Md	Madrugada	00:00 - 05:59
Mñ	Mañana	06:00 - 11:59
T	Tarde	12:00 - 17:59
N	Noche	18:00 - 23:59

CLL	Cantidad de Lluvias
PT	Precipitación total (mm)
DP	Duración precipitación diaria
DM	Duración máxima lluvia aislada (min)
MM	Magnitud máx. lluvia aislada (mm)
IMM	Intensidad media máxima (mm/h)
IM5	Intensidad máx. en 5 minutos (mm/h)

Cuadro 2: Convenciones y Unidades