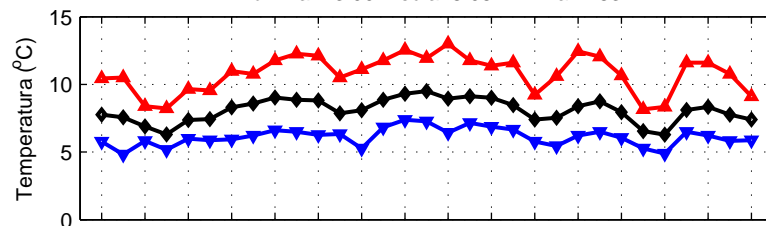


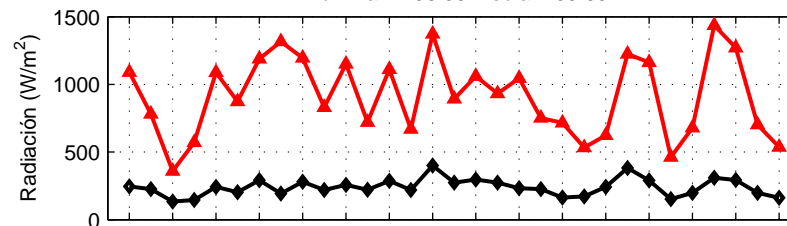
Estación: Cortaderal
Fecha: Mayo de 2010
Registros: 31 de 31

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>

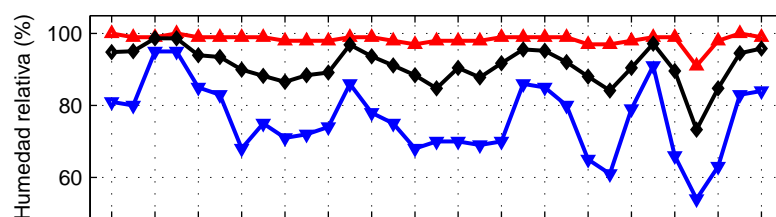
Máxima: 13.00 Media: 8.08 Mínima: 4.83



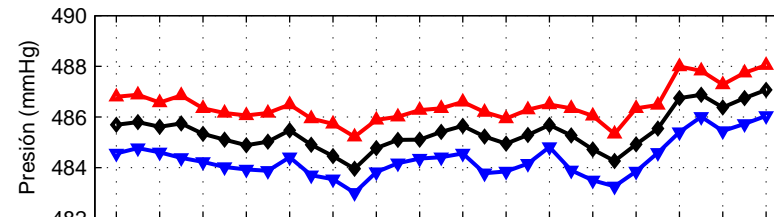
Máxima: 1436.00 Media: 239.60



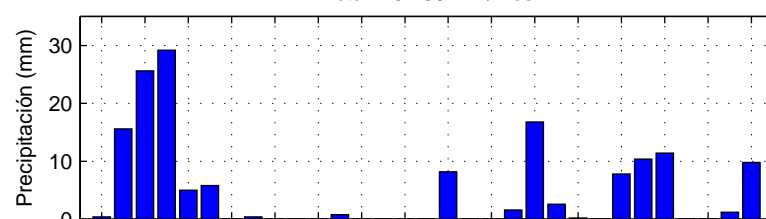
Máxima: 100.00 Media: 91.05 Mínima: 54.00



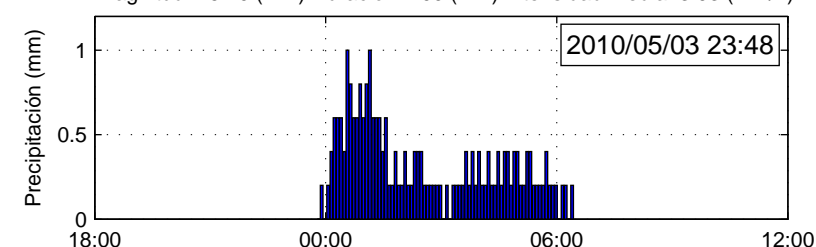
Máxima: 488.04 Media: 485.41 Mínima: 483.01



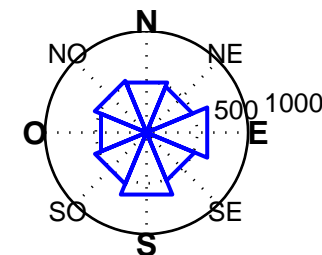
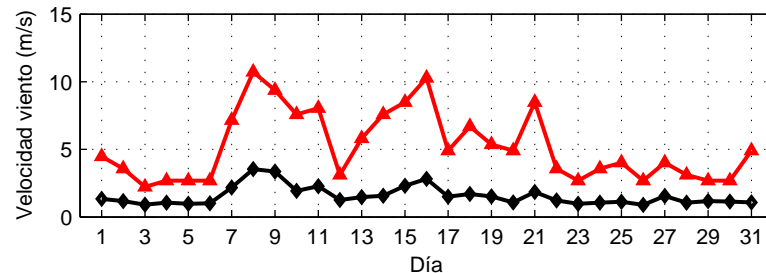
Total: 152.80 mm/mes



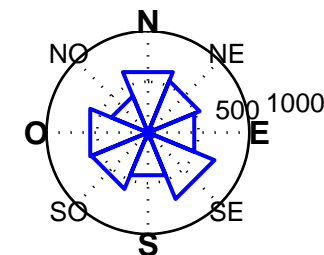
Magnitud: 26.20 (mm) Duración: 400 (min) Intensidad Media: 3.93 (mm/h)



Máxima: 10.72 Media: 1.55



Dirección del viento (Día)



Dirección del viento (Noche)



Estación: Cortaderal
Fecha: Mayo 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/m²)	
	Máx	Media	Mín	Máx	Media	Media	Media	Total	Total	Máx	Media
1	10.44	7.77	5.77	4.47	1.34	485.69	94.86	0.40	1.38	1090.00	245.31
2	10.50	7.56	4.83	3.57	1.18	485.79	95.09	15.60	1.21	782.00	226.65
3	8.38	6.89	5.83	2.23	0.91	485.61	98.69	25.60	0.86	359.00	133.74
4	8.22	6.30	5.16	2.68	1.06	485.75	98.70	29.20	0.67	571.00	144.92
5	9.66	7.37	5.99	2.68	0.98	485.34	93.98	5.00	1.24	1088.00	241.76
6	9.55	7.44	5.88	2.68	1.01	485.11	93.50	5.80	1.41	874.00	202.11
7	10.99	8.31	5.94	7.15	2.18	484.89	89.93	0.00	1.74	1188.00	291.73
8	10.77	8.58	6.22	10.72	3.54	485.03	88.23	0.40	1.39	1317.00	192.47
9	11.77	9.03	6.61	9.38	3.36	485.48	86.54	0.00	1.95	1195.00	280.37
10	12.27	8.86	6.50	7.59	1.94	484.90	88.39	0.00	3.89	830.00	219.53
11	12.11	8.81	6.27	8.04	2.27	484.46	89.18	0.00	2.14	1151.00	257.21
12	10.50	7.86	6.33	3.12	1.25	483.96	96.88	0.80	1.21	721.00	221.56
13	11.11	8.10	5.27	5.81	1.46	484.77	93.64	0.00	1.63	1111.00	287.03
14	11.77	8.86	6.83	7.59	1.57	485.10	91.10	0.00	1.36	670.00	218.55
15	12.55	9.30	7.38	8.49	2.31	485.11	88.39	0.00	2.59	1373.00	400.75
16	11.94	9.51	7.27	10.28	2.82	485.41	84.78	0.00	2.04	893.00	273.30
17	13.00	8.94	6.44	4.91	1.50	485.65	90.43	8.20	1.79	1060.00	296.44
18	11.77	9.12	7.16	6.70	1.71	485.23	87.78	0.00	1.74	932.00	273.92
19	11.38	9.01	6.88	5.36	1.52	484.95	91.74	0.00	1.38	1046.00	232.43
20	11.61	8.46	6.66	4.91	1.08	485.29	95.57	1.60	1.24	752.00	225.90
21	9.22	7.40	5.77	8.49	1.85	485.69	95.19	16.80	1.61	715.00	164.23
22	10.61	7.53	5.44	3.57	1.22	485.27	92.05	2.60	0.91	533.00	172.08
23	12.44	8.39	6.22	2.68	0.98	484.72	88.07	0.20	1.42	624.00	242.25
24	12.05	8.74	6.50	3.57	1.05	484.27	84.16	0.00	2.27	1225.00	381.25
25	10.66	7.94	6.05	4.02	1.12	484.92	90.45	7.80	1.55	1162.00	290.49
26	8.16	6.54	5.27	2.68	0.90	485.55	97.16	10.40	0.74	462.00	151.38
27	8.33	6.28	4.88	4.02	1.55	486.74	89.58	11.40	1.12	679.00	197.63
28	11.61	8.11	6.50	3.12	1.06	486.88	73.27	0.00	2.02	1436.00	309.92
29	11.61	8.34	6.22	2.68	1.17	486.38	84.76	0.00	1.78	1271.00	293.20
30	10.77	7.77	5.83	2.68	1.13	486.74	94.54	1.20	1.07	703.00	197.70
31	9.11	7.40	5.88	4.91	1.07	487.07	95.82	9.80	0.77	536.00	161.77
TOTAL								152.80	48.12		
PROM	10.80	8.08	6.12	5.19	1.55	485.41	91.05			914.48	239.60

Cuadro 1: Resumen de análisis climatológico

Estación: Cortaderal
Fecha: Mayo 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	1	0	1	0	2	0.40	0.17	0.69	10.00	0.20	0.80	2.40
2	0	1	3	0	0	0	1	3	4	15.60	3.83	15.97	140.00	10.60	4.39	19.20
3	0	3	2	0	0	1	1	3	5	25.60	7.42	30.90	195.00	9.00	2.70	12.00
4	0	1	6	0	1	5	1	0	7	29.20	7.42	30.90	385.00	26.00	4.00	12.00
5	0	0	3	2	1	0	2	2	5	5.00	1.92	7.99	75.00	1.80	1.35	4.80
6	0	1	3	2	3	1	2	0	6	5.80	2.00	8.33	70.00	3.20	2.56	4.80
7	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0	0	1	0	0	0	1	0	1	0.40	0.08	0.35	10.00	0.40	1.60	4.80
9	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0	0	3	0	0	0	3	0	3	0.80	0.25	1.04	10.00	0.40	1.60	4.80
13	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0	1	0	0	0	0	1	0	1	8.20	1.17	4.86	85.00	8.20	5.47	21.60
18	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	1	1	0	1	0	0	1	2	1.60	0.42	1.74	25.00	1.20	2.40	4.80
21	0	2	8	0	3	3	4	0	10	16.80	4.17	17.36	165.00	10.60	3.74	9.60
22	0	0	3	0	1	1	1	0	3	2.60	0.92	3.82	90.00	2.20	1.39	4.80
23	0	0	1	0	0	1	0	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
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	1	3	0	0	1	1	2	4	7.80	1.17	4.86	55.00	6.60	6.60	21.60
26	0	1	6	1	0	1	5	2	8	10.40	3.17	13.19	140.00	7.40	3.06	9.60
27	0	0	8	2	4	2	4	0	10	11.40	4.33	18.06	230.00	6.00	1.53	4.80
28	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0	0	2	0	0	0	0	2	2	1.20	0.42	1.74	30.00	0.80	1.37	2.40
31	0	0	4	3	1	1	1	4	7	9.80	3.67	15.28	80.00	3.00	2.12	4.80
MAX	0	3	8	3	4	5	5	4	10	29.20	7.42	30.90	385.00	26.00	6.60	21.60
TOTAL	0	12	59	10	16	17	29	19	81	152.80	42.58	5.72				

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