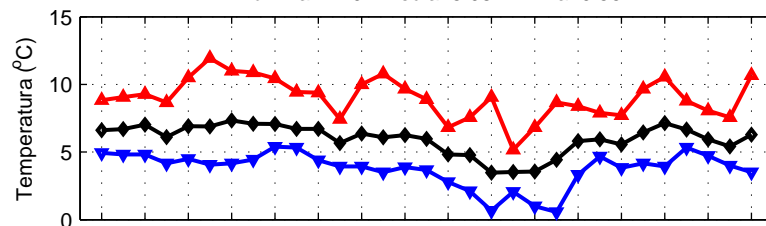


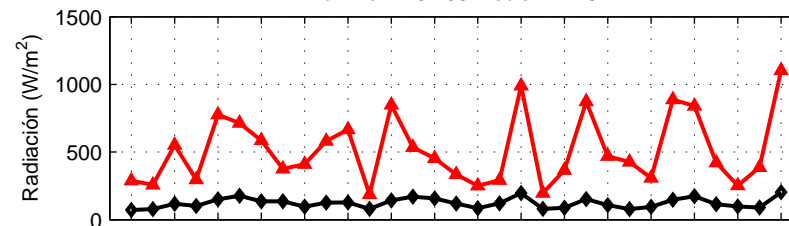
Estación: Cortaderal
Fecha: Octubre de 2011
Registros: 31 de 31

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>

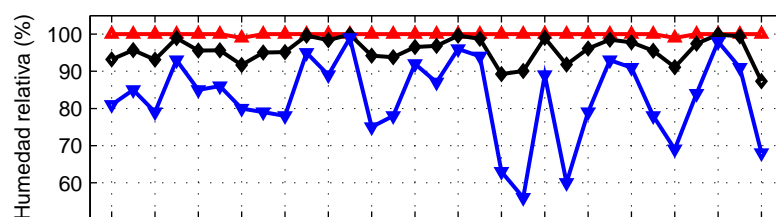
Máxima: 11.94 Media: 5.98 Mínima: 0.56



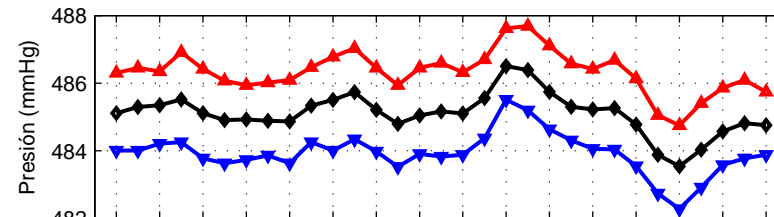
Máxima: 1104.00 Media: 122.92



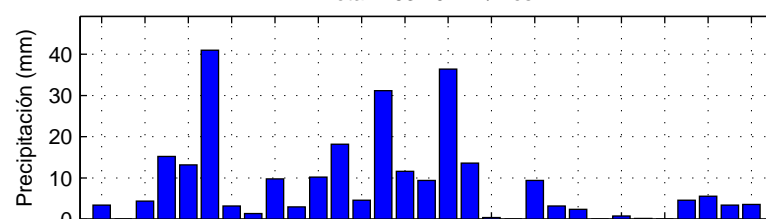
Máxima: 100.00 Media: 95.64 Mínima: 56.00



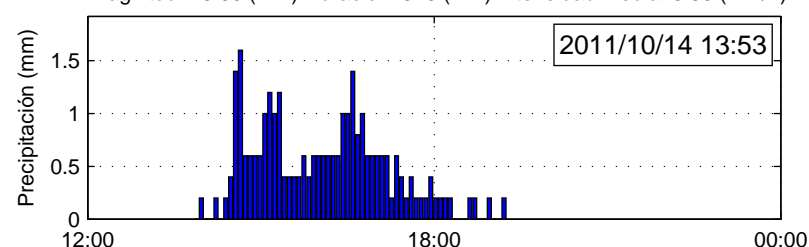
Máxima: 487.69 Media: 485.10 Mínima: 482.28



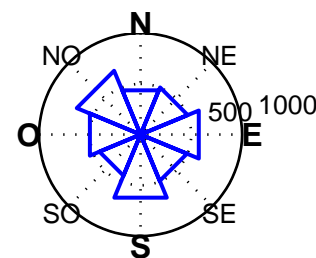
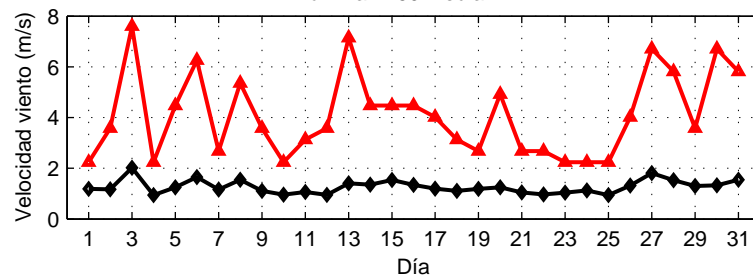
Total: 263.40 mm/mes



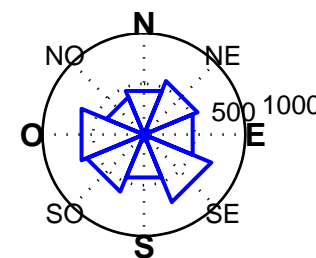
Magnitud: 29.60 (mm) Duración: 320 (min) Intensidad Media: 5.55 (mm/h)



Máxima: 7.60 Media: 1.27



Dirección del viento (Día)



Dirección del viento (Noche)



Estación: Cortaderal
Fecha: Octubre de 2011
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	8.83	6.61	4.94	2.24	1.19	485.11	93.21	3.40	0.33	288.00	71.79
2	9.06	6.69	4.83	3.58	1.17	485.30	95.69	0.00	0.36	257.00	77.43
3	9.28	7.03	4.83	7.60	2.02	485.35	93.11	4.40	0.66	552.00	117.52
4	8.67	6.10	4.17	2.24	0.94	485.52	98.93	15.20	0.48	297.00	100.85
5	10.50	6.91	4.50	4.47	1.25	485.11	95.57	13.20	0.74	777.00	149.71
6	11.94	6.89	4.06	6.26	1.65	484.91	95.63	41.00	0.91	714.00	176.81
7	11.00	7.34	4.17	2.68	1.16	484.93	91.68	3.20	0.69	585.00	135.07
8	10.89	7.10	4.44	5.36	1.54	484.89	95.03	1.40	0.76	376.00	135.57
9	10.44	7.08	5.39	3.58	1.11	484.87	95.15	9.80	0.48	410.00	96.16
10	9.44	6.71	5.33	2.24	0.96	485.34	99.59	3.00	0.64	580.00	126.50
11	9.39	6.71	4.39	3.13	1.07	485.51	98.36	10.20	0.66	666.00	126.77
12	7.44	5.66	3.94	3.58	0.95	485.74	99.91	18.20	0.41	186.00	79.14
13	10.00	6.36	3.94	7.15	1.40	485.21	94.21	4.60	0.76	849.00	142.54
14	10.78	6.08	3.50	4.47	1.36	484.80	93.80	31.20	0.66	534.00	170.54
15	9.67	6.25	3.89	4.47	1.54	485.04	96.54	11.60	0.79	452.00	156.68
16	8.89	5.97	3.67	4.47	1.35	485.16	96.83	9.40	0.58	334.00	119.52
17	6.83	4.82	2.78	4.02	1.19	485.11	99.57	36.40	0.36	250.00	84.97
18	7.56	4.77	2.11	3.13	1.11	485.56	98.77	13.60	0.51	292.00	121.11
19	9.06	3.47	0.67	2.68	1.18	486.50	89.24	0.40	0.94	990.00	195.72
20	5.17	3.52	2.06	4.92	1.25	486.39	90.07	0.00	0.48	197.00	79.53
21	6.83	3.56	1.00	2.68	1.04	485.75	98.97	9.40	0.36	366.00	87.89
22	8.67	4.42	0.56	2.68	0.97	485.30	91.82	3.20	0.69	874.00	152.70
23	8.39	5.80	3.33	2.24	1.04	485.23	96.10	2.40	0.56	469.00	106.97
24	7.89	5.94	4.67	2.24	1.12	485.27	98.50	0.00	0.36	427.00	78.04
25	7.72	5.57	3.83	2.24	0.94	484.77	97.79	0.80	0.46	308.00	94.02
26	9.67	6.45	4.17	4.02	1.32	483.88	95.54	0.20	0.77	888.00	147.67
27	10.56	7.13	3.94	6.71	1.81	483.54	91.09	0.00	0.96	840.00	173.38
28	8.78	6.66	5.33	5.81	1.53	484.03	97.46	4.60	0.56	422.00	114.46
29	8.06	5.94	4.72	3.58	1.30	484.57	99.87	5.60	0.46	253.00	98.29
30	7.56	5.42	4.00	6.71	1.33	484.81	99.39	3.40	0.38	387.00	89.87
31	10.67	6.28	3.50	5.81	1.55	484.75	87.35	3.60	1.14	1104.00	203.20
TOTAL								263.40	18.90		
PROM	9.02	5.98	3.76	4.10	1.27	485.10	95.64			513.68	122.92

Cuadro 1: Resumen de análisis climatológico

Estación: Cortaderal
Fecha: Octubre de 2011
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	3.40	1.00	4.17	110.00	3.20	1.67	7.20
2	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0	1	0	0	0	0	0	1	1	4.40	1.17	4.86	105.00	4.40	2.40	9.60
4	0	1	6	1	1	2	4	1	8	15.20	3.00	12.50	100.00	11.60	6.63	19.20
5	0	2	5	0	0	0	4	3	7	13.20	2.08	8.68	70.00	7.40	5.92	16.80
6	1	2	3	0	2	1	1	2	6	41.00	6.17	25.69	200.00	21.00	6.15	24.00
7	0	0	2	0	0	0	2	0	2	3.20	1.17	4.86	100.00	3.00	1.71	4.80
8	0	0	2	0	2	0	0	0	2	1.40	0.58	2.43	70.00	1.20	0.96	2.40
9	0	3	2	0	0	0	3	2	5	9.80	2.25	9.38	105.00	6.40	3.49	12.00
10	0	0	6	1	1	3	3	0	7	3.00	1.17	4.86	35.00	0.80	1.20	2.40
11	1	0	7	0	0	2	3	3	8	10.20	2.25	9.38	35.00	4.80	7.20	21.60
12	0	1	11	1	2	1	4	6	13	18.20	5.58	23.26	210.00	10.80	3.01	9.60
13	0	0	2	0	1	0	0	1	2	4.60	1.92	7.99	100.00	2.40	1.37	2.40
14	0	1	3	0	0	0	3	1	4	31.20	5.00	20.83	320.00	29.60	5.46	19.20
15	0	0	2	0	0	0	0	2	2	11.60	3.58	14.93	275.00	11.40	2.44	7.20
16	0	1	3	0	1	0	1	2	4	9.40	2.50	10.42	190.00	8.80	2.71	9.60
17	0	1	7	0	3	1	1	3	8	36.40	9.75	40.63	275.00	17.60	3.77	14.40
18	0	0	10	1	6	2	2	1	11	13.60	4.75	19.79	215.00	7.40	2.02	9.60
19	0	0	2	0	2	0	0	0	2	0.40	0.17	0.69	10.00	0.20	0.80	2.40
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	1	2	0	0	0	2	1	3	9.40	2.58	10.76	195.00	9.00	2.70	9.60
22	0	0	3	0	0	0	3	0	3	3.20	1.25	5.21	100.00	2.60	1.49	4.80
23	0	0	2	0	1	0	1	0	2	2.40	0.92	3.82	70.00	2.20	1.76	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	1	0	0	0	1	0	1	0.80	0.25	1.04	30.00	0.80	1.37	4.80
26	0	0	1	0	0	0	1	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
27	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0	1	9	0	0	0	6	4	10	4.60	1.42	5.90	20.00	1.40	3.36	12.00
29	1	0	3	0	1	0	3	0	4	5.60	1.17	4.86	25.00	3.20	6.40	14.40
30	0	1	6	0	3	3	1	0	7	3.40	0.83	3.47	25.00	2.20	4.40	14.40
31	0	1	0	0	0	0	1	0	1	3.60	0.33	1.39	40.00	3.60	4.80	16.80
MAX	1	3	11	1	6	3	6	6	13	41.00	9.75	40.63	320.00	29.60	7.20	24.00
TOTAL	3	17	102	4	26	15	52	33	126	263.40	62.92	8.46				

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