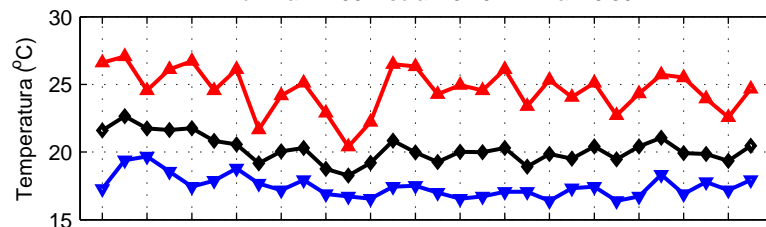


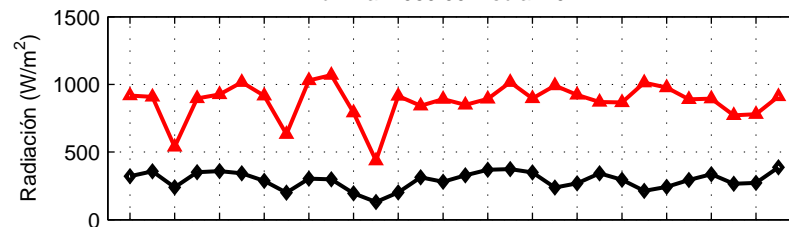
Estación: Lago
Fecha: Noviembre de 2011
Registros: 30 de 30

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: <http://www.utp.edu.co/hidroclimatologica>

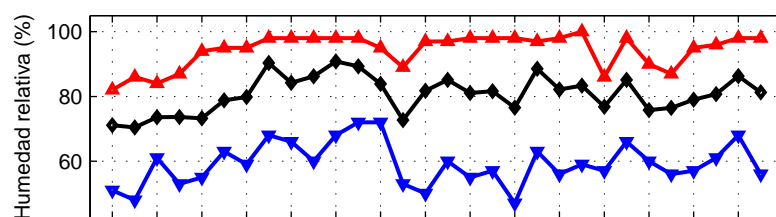
Máxima: 27.06 Media: 20.20 Mínima: 16.39



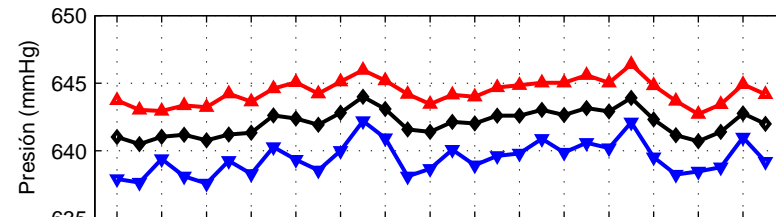
Máxima: 1069.00 Media: 291.71



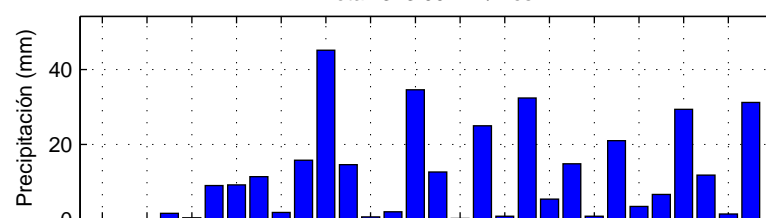
Máxima: 100.00 Media: 80.66 Mínima: 47.00



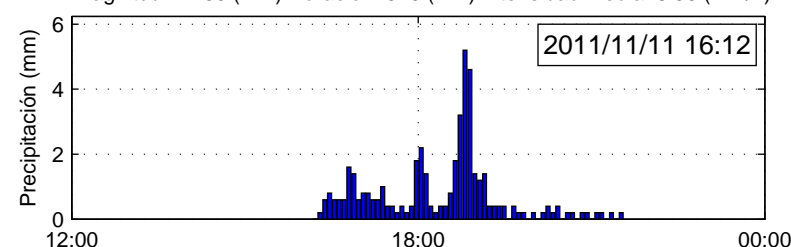
Máxima: 646.40 Media: 642.08 Mínima: 637.59



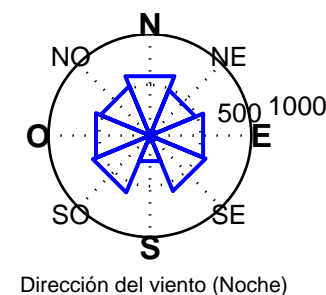
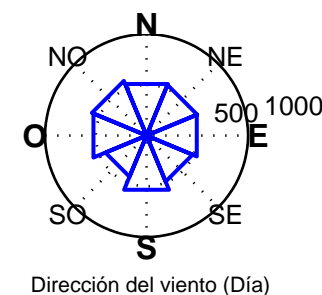
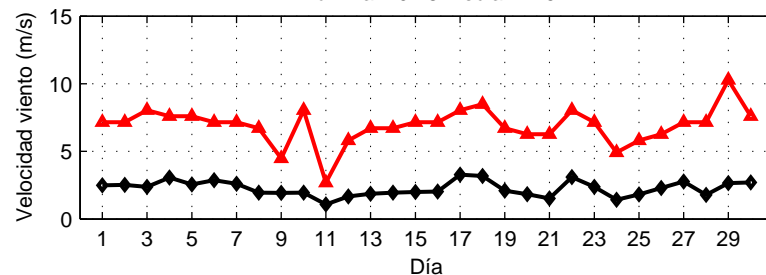
Total: 343.00 mm/mes



Magnitud: 44.60 (mm) Duración: 320 (min) Intensidad Media: 8.36 (mm/h)



Máxima: 10.28 Media: 2.26



Estación: Lago
Fecha: Noviembre de 2011
Registros: 30 de 30

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	26.61	21.60	17.28	7.15	2.49	641.03	71.12	0.00	3.13	918.00	321.81
2	27.06	22.65	19.39	7.15	2.53	640.49	70.41	0.00	3.33	907.00	358.05
3	24.56	21.74	19.67	8.05	2.38	641.03	73.58	0.00	2.31	538.00	238.57
4	26.11	21.63	18.56	7.60	3.07	641.18	73.64	1.60	3.35	896.00	351.45
5	26.72	21.77	17.44	7.60	2.55	640.78	73.26	0.40	3.35	925.00	359.22
6	24.56	20.82	17.89	7.15	2.86	641.20	78.81	9.00	2.85	1016.00	342.65
7	26.11	20.56	18.78	7.15	2.61	641.33	79.83	9.20	2.28	916.00	286.73
8	21.67	19.16	17.67	6.71	1.94	642.62	90.32	11.40	1.32	631.00	199.07
9	24.17	20.06	17.17	4.47	1.93	642.38	84.21	1.80	2.41	1030.00	302.79
10	25.11	20.31	17.94	8.05	1.95	641.93	86.25	15.80	2.34	1069.00	298.34
11	22.89	18.76	16.89	2.68	1.07	642.82	90.83	45.20	1.40	791.00	194.10
12	20.39	18.26	16.72	5.81	1.66	643.99	89.34	14.60	1.09	436.00	130.24
13	22.22	19.20	16.56	6.71	1.87	643.09	83.88	0.60	1.73	914.00	200.82
14	26.50	20.84	17.44	6.71	1.94	641.58	72.67	2.00	2.80	842.00	312.88
15	26.33	19.97	17.50	7.15	2.00	641.41	81.78	34.60	2.26	891.00	280.85
16	24.28	19.26	17.00	7.15	2.03	642.15	85.15	12.60	2.52	849.00	328.37
17	24.94	20.02	16.56	8.05	3.28	642.03	81.04	0.20	3.30	893.00	368.81
18	24.56	19.98	16.72	8.49	3.18	642.59	81.59	25.00	3.10	1016.00	374.14
19	26.11	20.29	17.06	6.71	2.10	642.60	76.56	0.80	3.05	896.00	349.22
20	23.39	18.92	17.06	6.26	1.83	643.03	88.56	32.40	1.72	991.00	238.18
21	25.33	19.86	16.39	6.26	1.51	642.65	82.20	5.40	2.24	923.00	269.16
22	24.06	19.52	17.33	8.05	3.10	643.16	83.30	14.80	2.87	870.00	341.86
23	25.11	20.42	17.44	7.15	2.38	642.92	76.78	0.80	2.69	867.00	294.36
24	22.72	19.46	16.39	4.92	1.42	643.92	85.14	21.00	1.86	1013.00	213.47
25	24.33	20.42	16.72	5.81	1.82	642.32	75.81	3.40	2.31	977.00	242.09
26	25.72	21.05	18.33	6.26	2.28	641.16	76.49	6.60	2.77	889.00	293.43
27	25.50	19.92	16.89	7.15	2.77	640.70	78.99	29.40	2.97	895.00	335.83
28	23.94	19.86	17.78	7.15	1.78	641.40	80.75	11.80	2.26	772.00	264.90
29	22.56	19.34	17.17	10.28	2.65	642.77	86.27	1.40	2.08	780.00	272.53
30	24.67	20.46	17.94	7.60	2.71	642.00	81.30	31.20	3.23	911.00	387.50
TOTAL								343.00	74.92		
PROM	24.61	20.20	17.46	6.91	2.26	642.08	80.66			875.40	291.71

Cuadro 1: Resumen de análisis climatológico

Estación: Lago
Fecha: Noviembre de 2011
Registros: 30 de 30

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	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0	0	3	0	0	0	1	2	3	1.60	0.50	2.08	30.00	1.20	2.06	4.80
5	0	0	2	0	2	0	0	0	2	0.40	0.17	0.69	10.00	0.20	0.80	2.40
6	1	0	1	0	1	0	1	0	2	9.00	1.83	7.64	190.00	4.60	1.42	9.60
7	0	1	2	0	0	0	1	2	3	9.20	1.58	6.60	80.00	7.80	5.51	33.60
8	0	1	4	0	2	2	1	0	5	11.40	2.67	11.11	70.00	6.40	5.12	14.40
9	0	1	1	0	1	0	1	0	2	1.80	0.58	2.43	35.00	1.60	2.40	4.80
10	0	2	6	0	4	1	1	2	8	15.80	4.33	18.06	60.00	6.20	5.72	12.00
11	1	0	3	0	0	0	2	2	4	45.20	4.83	20.14	320.00	44.60	8.23	62.40
12	0	1	3	0	1	1	0	2	4	14.60	4.58	19.10	185.00	8.20	2.59	7.20
13	0	0	3	0	2	1	0	0	3	0.60	0.25	1.04	10.00	0.20	0.80	2.40
14	0	0	2	0	0	0	0	2	2	2.00	0.58	2.43	45.00	1.80	2.16	7.20
15	1	1	5	0	3	0	3	1	7	34.60	4.67	19.44	190.00	21.00	6.46	19.20
16	0	1	4	1	1	0	2	3	6	12.60	2.58	10.76	160.00	11.20	4.07	31.20
17	0	0	1	0	0	1	0	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
18	1	0	5	1	3	1	0	3	7	25.00	2.17	9.03	120.00	23.40	11.23	55.20
19	0	0	1	0	0	0	0	1	1	0.80	0.25	1.04	25.00	0.80	1.60	4.80
20	1	3	3	0	2	0	3	2	7	32.40	5.50	22.92	235.00	14.80	3.70	9.60
21	0	1	3	0	1	1	1	1	4	5.40	1.08	4.51	55.00	4.80	4.80	12.00
22	1	0	6	1	5	2	1	0	8	14.80	1.75	7.29	50.00	12.20	13.31	43.20
23	0	0	3	0	0	1	2	0	3	0.80	0.33	1.39	15.00	0.40	1.20	2.40
24	0	2	1	0	2	1	0	0	3	21.00	3.75	15.63	190.00	18.40	5.66	21.60
25	0	1	0	0	0	0	1	0	1	3.40	0.58	2.43	45.00	3.40	4.08	9.60
26	1	0	2	0	0	1	2	0	3	6.60	0.67	2.78	45.00	6.20	7.44	31.20
27	2	0	1	0	1	1	1	0	3	29.40	2.58	10.76	145.00	22.60	9.04	52.80
28	1	0	4	0	0	1	2	2	5	11.80	1.33	5.56	55.00	10.40	10.40	21.60
29	0	0	6	0	1	4	0	1	6	1.40	0.58	2.43	15.00	0.40	1.20	2.40
30	1	0	0	0	0	0	0	1	1	31.20	2.58	10.76	160.00	31.20	11.35	36.00
MAX	2	3	6	1	5	4	3	3	8	45.20	5.50	22.92	320.00	44.60	13.31	62.40
TOTAL	11	15	75	3	32	19	26	27	104	343.00	52.42	7.28				

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