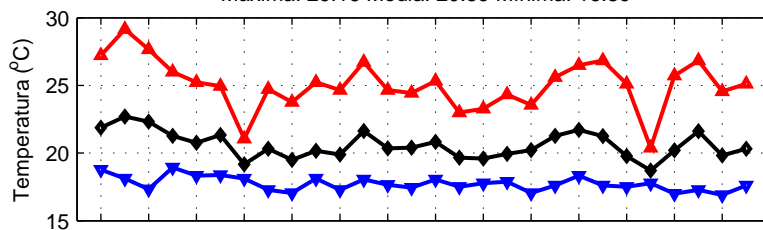


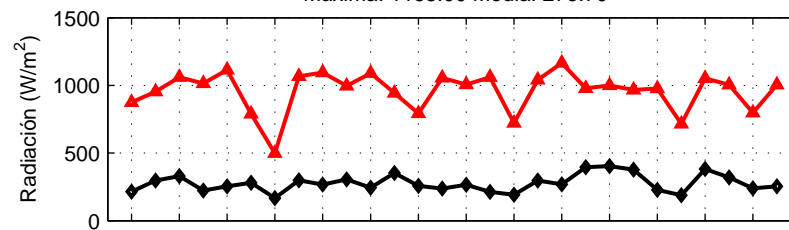
**Estación: Lago**  
**Fecha: Febrero de 2011**  
**Registros: 28 de 28**

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>

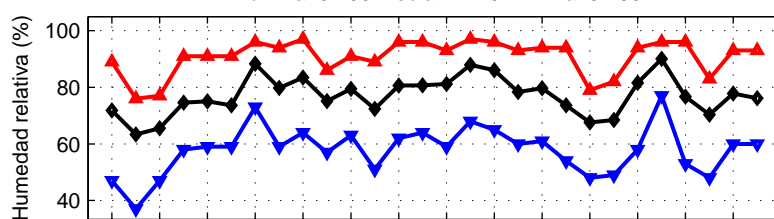
Máxima: 29.16 Media: 20.59 Mínima: 16.89



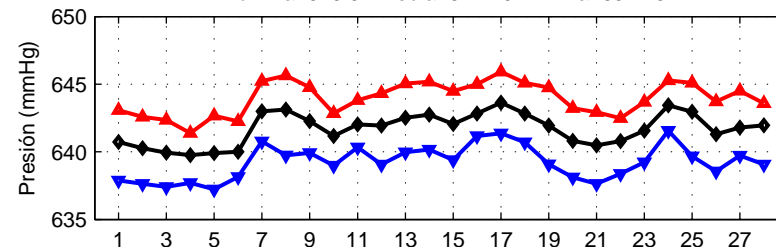
Máxima: 1165.00 Media: 276.70



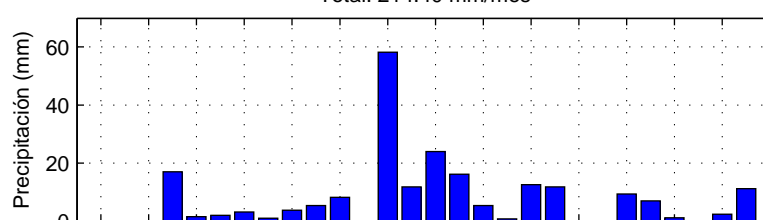
Máxima: 97.00 Media: 77.10 Mínima: 37.00



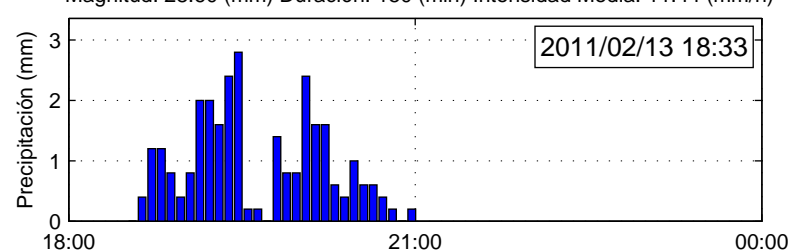
Máxima: 645.92 Media: 641.70 Mínima: 637.23



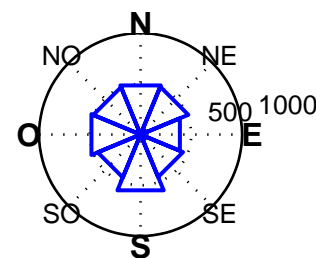
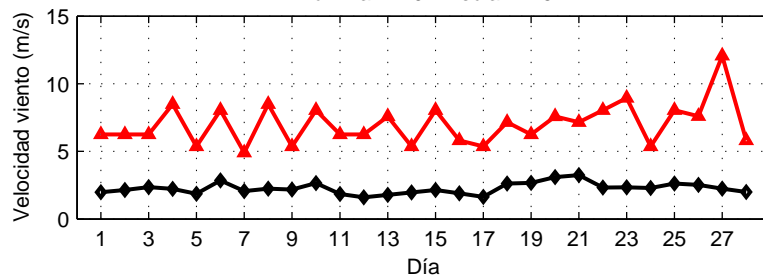
Total: 214.40 mm/mes



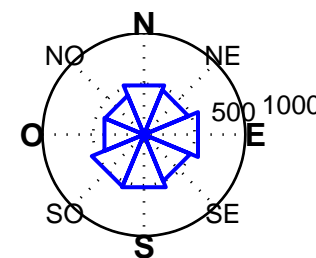
Magnitud: 28.60 (mm) Duración: 150 (min) Intensidad Media: 11.44 (mm/h)



Máxima: 12.07 Media: 2.26



Dirección del viento (Día)



Dirección del viento (Noche)



**Estación: Lago**  
**Fecha: Febrero de 2011**  
**Registros: 28 de 28**

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](http://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	27.22	21.88	18.77	6.25	1.97	640.73	71.84	0.20	2.36	875.00	215.17
2	29.16	22.70	18.11	6.25	2.15	640.26	63.38	0.00	3.02	953.00	295.76
3	27.66	22.32	17.33	6.25	2.35	639.93	65.50	0.00	3.42	1060.00	329.91
4	26.00	21.26	18.94	8.49	2.22	639.76	74.54	17.00	2.05	1014.00	223.40
5	25.22	20.77	18.33	5.36	1.87	639.90	75.01	1.60	2.34	1114.00	253.26
6	24.94	21.33	18.38	8.04	2.85	640.00	73.64	2.00	2.96	789.00	280.47
7	21.05	19.16	18.11	4.91	2.06	643.00	88.32	3.20	1.27	499.00	166.46
8	24.72	20.32	17.27	8.49	2.25	643.12	79.77	1.00	2.51	1067.00	298.97
9	23.77	19.49	17.05	5.36	2.18	642.26	83.45	3.80	2.18	1095.00	267.46
10	25.22	20.16	18.11	8.04	2.65	641.16	75.10	5.40	2.79	997.00	304.78
11	24.66	19.88	17.27	6.25	1.84	642.02	79.43	8.20	2.08	1090.00	244.31
12	26.72	21.63	18.05	6.25	1.60	641.93	72.34	0.00	3.23	944.00	352.04
13	24.66	20.35	17.66	7.59	1.78	642.52	80.65	58.20	2.15	793.00	257.44
14	24.44	20.40	17.44	5.36	1.97	642.75	80.68	11.80	2.08	1056.00	237.59
15	25.33	20.82	18.05	8.04	2.15	642.06	81.19	24.00	2.25	1007.00	264.60
16	23.00	19.66	17.50	5.81	1.89	642.84	87.89	16.20	1.62	1060.00	213.53
17	23.27	19.60	17.77	5.36	1.63	643.63	86.00	5.40	1.78	722.00	191.10
18	24.33	19.93	17.88	7.15	2.62	642.82	78.36	0.80	2.81	1041.00	296.67
19	23.55	20.21	17.05	6.25	2.67	641.94	79.65	12.60	2.52	1165.00	267.92
20	25.61	21.27	17.61	7.59	3.10	640.80	73.59	11.80	3.73	979.00	394.74
21	26.50	21.71	18.33	7.15	3.25	640.48	67.61	0.00	3.98	1000.00	403.82
22	26.83	21.25	17.61	8.04	2.32	640.79	68.43	0.00	3.58	967.00	377.60
23	25.11	19.77	17.50	8.94	2.33	641.57	81.57	9.40	2.06	977.00	227.26
24	20.38	18.71	17.77	5.36	2.29	643.44	90.03	7.00	1.39	715.00	188.46
25	25.72	20.20	17.00	8.04	2.61	642.96	76.68	1.20	3.28	1053.00	382.33
26	26.83	21.61	17.28	7.60	2.52	641.31	70.33	0.00	3.20	1004.00	319.24
27	24.56	19.81	16.89	12.07	2.24	641.79	77.82	2.40	2.10	798.00	238.94
28	25.11	20.32	17.61	5.81	2.00	641.96	76.13	11.20	2.37	1005.00	254.46
TOTAL								214.40	71.11		
PROM	25.06	20.59	17.74	7.00	2.26	641.70	77.10			958.54	276.70

Cuadro 1: Resumen de análisis climatológico

**Estación: Lago**  
**Fecha: Febrero de 2011**  
**Registros: 28 de 28**

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](http://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	1	0	1	0	0	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
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	1	2	0	0	0	0	3	0	3	17.00	1.50	6.25	75.00	14.60	10.95	33.60
5	0	0	3	0	0	2	0	1	3	1.60	0.67	2.78	40.00	1.00	1.33	2.40
6	0	1	0	0	0	0	0	1	1	2.00	0.50	2.08	40.00	2.00	2.67	7.20
7	0	1	3	0	0	2	1	1	4	3.20	0.83	3.47	35.00	2.20	3.30	9.60
8	0	0	3	0	2	0	0	1	3	1.00	0.42	1.74	25.00	0.60	1.20	2.40
9	0	0	2	0	2	0	0	0	2	3.80	1.50	6.25	85.00	2.00	1.33	2.40
10	0	1	1	1	0	0	2	1	3	5.40	0.83	3.47	40.00	4.80	6.40	19.20
11	0	1	1	0	0	0	2	0	2	8.20	1.08	4.51	75.00	8.00	6.00	31.20
12	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	2	1	1	0	1	0	1	2	4	58.20	4.25	17.71	150.00	28.60	11.07	33.60
14	1	0	2	0	2	0	1	0	3	11.80	1.00	4.17	55.00	11.00	11.00	45.60
15	1	1	2	0	2	0	1	1	4	24.00	1.17	4.86	45.00	22.20	26.64	64.80
16	1	2	2	0	4	0	1	0	5	16.20	2.42	10.07	50.00	9.00	9.82	21.60
17	0	0	6	1	3	4	0	0	7	5.40	2.00	8.33	115.00	2.60	1.30	2.40
18	0	0	1	0	0	1	0	0	1	0.80	0.33	1.39	30.00	0.80	1.37	2.40
19	0	1	2	0	1	1	1	0	3	12.60	2.58	10.76	185.00	12.20	3.85	19.20
20	1	0	0	1	0	2	0	0	2	11.80	1.08	4.51	65.00	11.40	9.77	36.00
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	2	4	0	0	0	2	4	6	9.40	2.25	9.38	35.00	3.60	5.40	19.20
24	0	0	4	0	1	1	0	2	4	7.00	2.83	11.81	315.00	6.40	1.20	4.80
25	0	0	2	0	0	1	0	1	2	1.20	0.42	1.74	35.00	1.00	1.50	4.80
26	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0	1	2	0	2	0	1	0	3	2.40	0.42	1.74	20.00	1.80	4.32	14.40
28	0	3	1	0	0	0	2	2	4	11.20	3.25	13.54	115.00	4.80	2.40	7.20
MAX	2	3	6	1	4	4	3	4	7	58.20	4.25	17.71	315.00	28.60	26.64	64.80
TOTAL	7	17	43	3	21	14	18	17	70	214.40	31.42	4.68				

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