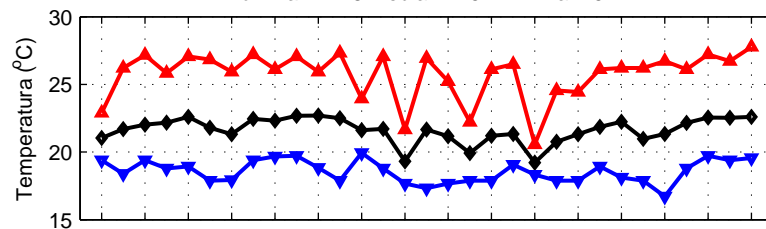


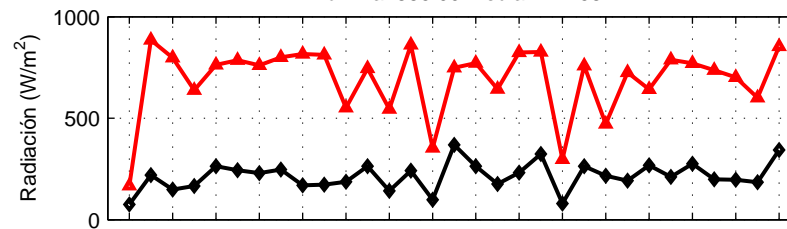
**Estación: Lago**  
**Fecha: Marzo de 2013**  
**Registros: 31 de 31**

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

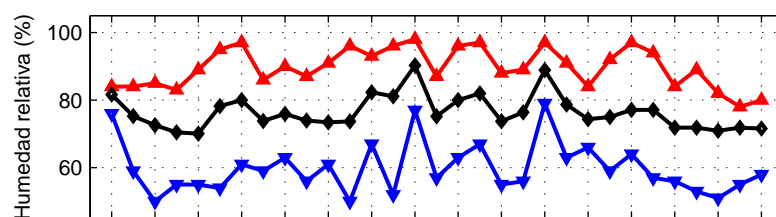
Máxima: 27.78 Media: 21.64 Mínima: 16.72



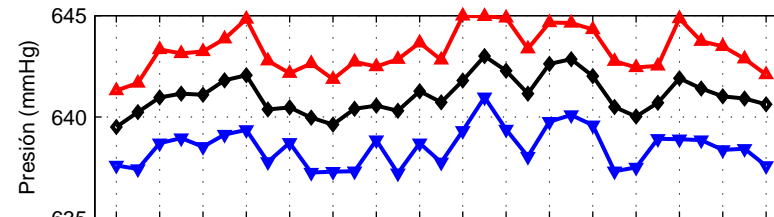
Máxima: 886.00 Media: 214.68



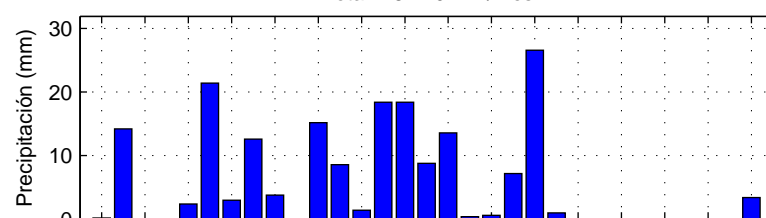
Máxima: 98.00 Media: 76.43 Mínima: 50.00



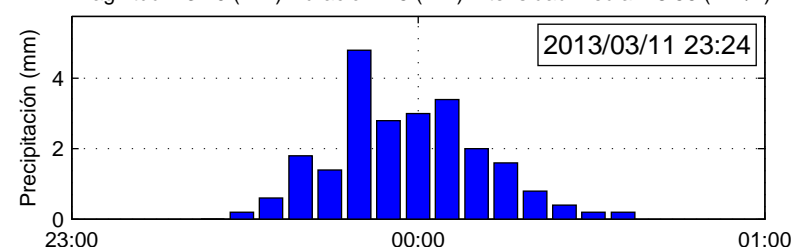
Máxima: 644.98 Media: 641.07 Mínima: 637.23



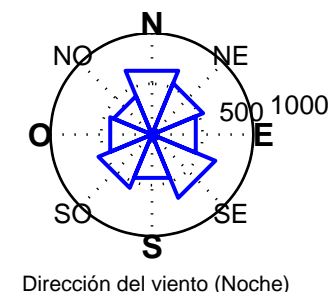
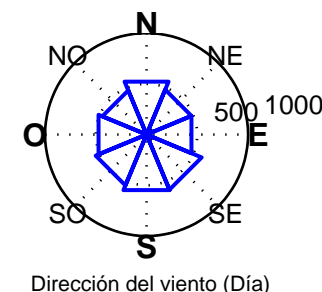
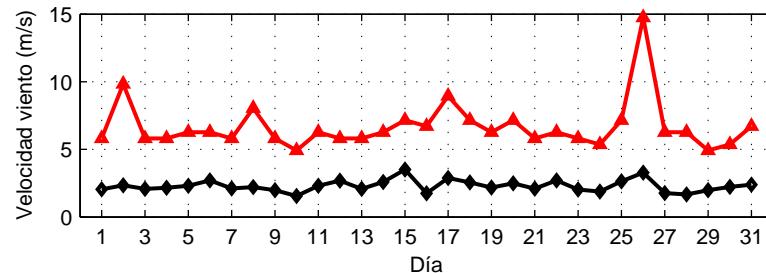
Total: 181.20 mm/mes



Magnitud: 23.20 (mm) Duración: 75 (min) Intensidad Media: 18.56 (mm/h)



Máxima: 14.75 Media: 2.30



**Estación: Lago**  
**Fecha: Marzo de 2013**  
**Registros: 31 de 31**

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/m <sup>2</sup> )	
	Máx	Media	Mín	Máx	Media	Media	Media	Total	Total	Máx	Media
1	22.89	21.04	19.39	5.81	2.05	639.51	81.67	0.20	1.02	167.00	74.89
2	26.22	21.70	18.39	9.83	2.35	640.24	75.23	14.20	2.24	886.00	219.81
3	27.17	22.02	19.39	5.81	2.08	640.96	72.56	0.00	1.60	798.00	148.21
4	25.83	22.17	18.78	5.81	2.16	641.14	70.50	0.00	1.68	638.00	166.22
5	27.06	22.61	18.94	6.26	2.31	641.10	70.06	2.40	2.57	763.00	263.53
6	26.83	21.80	17.89	6.26	2.71	641.80	78.24	21.40	2.41	786.00	243.19
7	25.94	21.32	17.94	5.81	2.12	642.06	80.00	3.00	1.88	761.00	228.95
8	27.22	22.46	19.39	8.05	2.21	640.38	73.84	12.60	2.52	800.00	246.94
9	26.11	22.32	19.67	5.81	1.97	640.47	75.92	3.80	1.73	817.00	169.29
10	27.06	22.68	19.72	4.92	1.56	639.97	73.96	0.00	1.73	812.00	172.81
11	25.94	22.70	18.83	6.26	2.31	639.62	73.40	15.20	1.91	552.00	186.39
12	27.33	22.50	17.89	5.81	2.69	640.41	73.66	8.60	2.49	745.00	262.96
13	23.94	21.61	19.94	5.81	2.07	640.56	82.29	1.40	1.27	545.00	141.52
14	27.06	21.72	18.78	6.26	2.58	640.31	81.11	18.40	2.13	861.00	241.98
15	21.67	19.32	17.67	7.15	3.52	641.27	90.24	18.40	0.64	353.00	97.49
16	26.94	21.67	17.33	6.71	1.75	640.72	75.22	8.80	3.05	749.00	368.64
17	25.22	21.16	17.67	8.94	2.89	641.80	79.97	13.60	2.28	772.00	263.10
18	22.22	19.92	17.89	7.15	2.56	643.00	81.99	0.40	1.61	643.00	175.65
19	26.11	21.20	17.89	6.26	2.18	642.28	73.75	0.60	2.26	824.00	231.33
20	26.50	21.34	19.06	7.15	2.49	641.14	76.38	7.20	2.59	826.00	323.43
21	20.56	19.22	18.33	5.81	2.09	642.61	88.85	26.60	0.74	297.00	79.42
22	24.56	20.75	17.89	6.26	2.71	642.85	78.67	1.00	2.26	758.00	263.50
23	24.44	21.32	17.89	5.81	2.03	642.02	74.32	0.00	2.11	471.00	216.46
24	26.11	21.87	18.94	5.36	1.89	640.50	75.01	0.00	1.85	726.00	191.83
25	26.22	22.23	18.11	7.15	2.64	640.02	77.13	0.00	2.52	642.00	268.18
26	26.22	20.97	17.89	14.75	3.28	640.70	77.13	0.00	2.06	788.00	210.51
27	26.72	21.34	16.72	6.26	1.76	641.91	71.82	0.00	2.54	770.00	275.21
28	26.11	22.15	18.78	6.26	1.67	641.40	71.88	0.00	2.03	737.00	198.77
29	27.22	22.55	19.72	4.92	1.98	641.02	70.95	0.00	1.96	701.00	197.03
30	26.72	22.54	19.39	5.36	2.23	640.90	71.85	0.00	1.88	601.00	184.66
31	27.78	22.61	19.56	6.71	2.39	640.62	71.61	3.40	2.38	854.00	343.06
TOTAL								181.20	61.94		
PROM	25.74	21.64	18.57	6.66	2.30	641.07	76.43			691.71	214.68

Cuadro 1: Resumen de análisis climatológico

**Estación: Lago**  
**Fecha: Marzo de 2013**  
**Registros: 31 de 31**

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	0	0	1	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
2	1	0	0	0	0	0	1	0	1	14.20	0.67	2.78	45.00	14.20	17.04	43.20
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	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0	2	0	0	0	0	1	1	2	2.40	0.33	1.39	30.00	1.80	3.09	16.80
6	1	2	3	0	2	0	0	4	6	21.40	3.17	13.19	50.00	12.40	13.53	43.20
7	0	1	2	0	2	0	0	1	3	3.00	0.75	3.13	55.00	2.40	2.40	14.40
8	1	0	0	0	0	0	1	0	1	12.60	0.75	3.13	55.00	12.60	12.60	48.00
9	0	1	2	0	1	0	1	1	3	3.80	1.00	4.17	35.00	2.20	3.30	7.20
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	1	0	2	0	0	0	0	3	3	15.20	0.75	3.13	40.00	14.60	19.47	57.60
12	1	0	0	0	1	0	0	0	1	8.60	0.58	2.43	35.00	8.60	12.90	40.80
13	0	0	1	0	0	1	0	0	1	1.40	0.50	2.08	45.00	1.40	1.68	4.80
14	0	2	1	0	2	0	0	1	3	18.40	2.08	8.68	85.00	9.80	6.53	24.00
15	0	1	4	0	3	2	0	0	5	18.40	5.33	22.22	335.00	15.40	2.72	9.60
16	1	0	0	0	0	0	1	0	1	8.80	0.67	2.78	50.00	8.80	9.60	36.00
17	0	1	2	0	1	0	0	2	3	13.60	4.58	19.10	280.00	9.80	2.06	4.80
18	0	0	2	0	1	0	1	0	2	0.40	0.17	0.69	10.00	0.20	0.80	2.40
19	0	0	2	0	0	1	0	1	2	0.60	0.17	0.69	10.00	0.40	1.60	4.80
20	1	0	2	0	0	0	2	1	3	7.20	0.83	3.47	15.00	5.20	15.60	60.00
21	1	0	6	0	1	3	3	0	7	26.60	3.50	14.58	90.00	20.60	13.01	45.60
22	0	0	1	0	0	0	0	1	1	1.00	0.25	1.04	35.00	1.00	1.50	7.20
23	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	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	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	1	0	0	0	0	0	1	0	1	3.40	0.25	1.04	20.00	3.40	8.16	24.00
MAX	1	2	6	0	3	3	3	4	7	26.60	5.33	22.22	335.00	20.60	19.47	60.00
TOTAL	9	10	31	0	14	7	13	16	50	181.20	26.42	3.55				

Cuadro 1: Análisis mensual de lluvias

F	Fuerte	$7.6 \text{ (mm/h)} < \text{intensidad}$
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