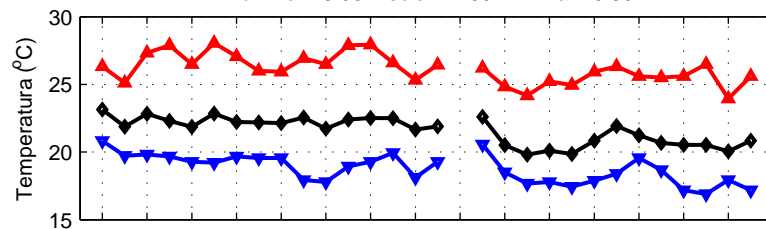


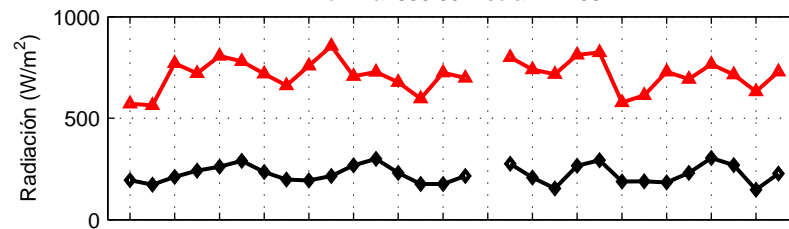
**Estación: Lago**  
**Fecha: Abril de 2013**  
**Registros: 29 de 30**

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>

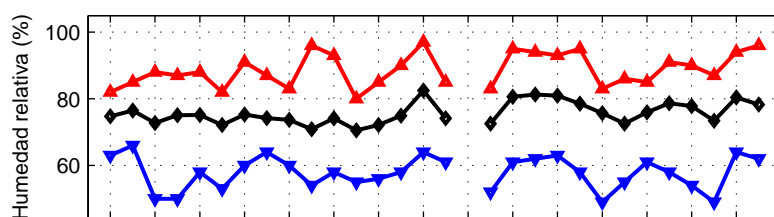
Máxima: 28.06 Media: 21.59 Mínima: 16.89



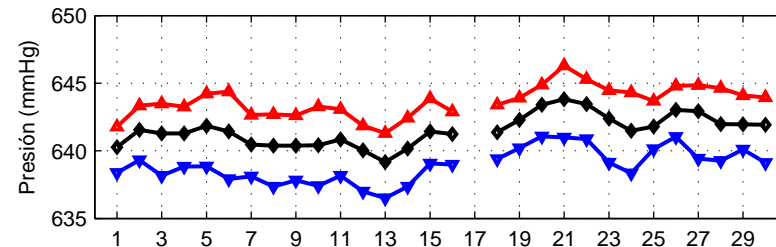
Máxima: 856.00 Media: 224.53



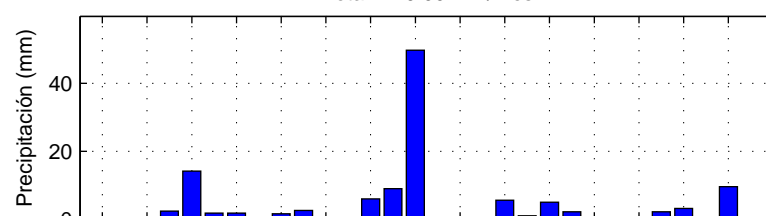
Máxima: 97.00 Media: 75.71 Mínima: 49.00



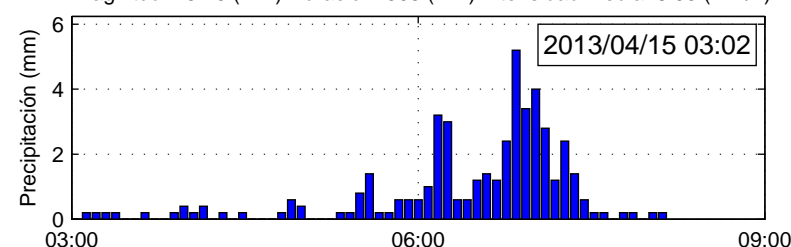
Máxima: 646.30 Media: 641.52 Mínima: 636.50



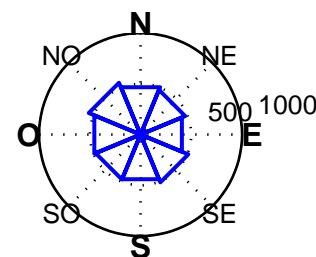
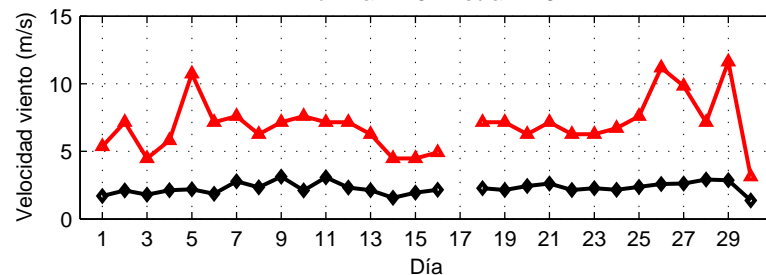
Total: 119.00 mm/mes



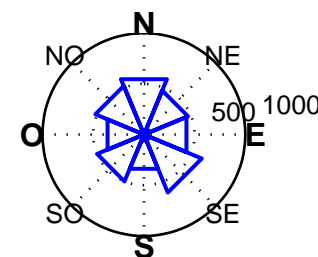
Magnitud: 45.40 (mm) Duración: 305 (min) Intensidad Media: 8.93 (mm/h)



Máxima: 11.62 Media: 2.28



Dirección del viento (Día)



Dirección del viento (Noche)



**Estación: Lago**  
**Fecha: Abril de 2013**  
**Registros: 29 de 30**

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	26.33	23.14	20.83	5.36	1.70	640.27	74.72	0.40	1.86	571.00	194.31
2	25.11	21.87	19.72	7.15	2.10	641.55	76.50	0.00	1.73	563.00	172.30
3	27.33	22.83	19.83	4.47	1.81	641.29	72.78	0.00	2.08	770.00	211.31
4	27.89	22.30	19.67	5.81	2.12	641.29	75.06	2.40	2.29	721.00	241.62
5	26.50	21.86	19.28	10.73	2.19	641.83	75.13	14.20	2.36	807.00	261.25
6	28.06	22.84	19.22	7.15	1.86	641.43	72.18	1.80	2.62	780.00	289.20
7	27.06	22.23	19.67	7.60	2.78	640.47	75.27	1.80	2.41	719.00	235.26
8	26.00	22.19	19.56	6.26	2.35	640.38	74.20	0.00	2.04	661.00	197.46
9	25.94	22.14	19.56	7.15	3.12	640.39	73.66	1.60	2.08	759.00	193.07
10	26.94	22.54	17.94	7.60	2.12	640.42	70.89	2.60	2.08	856.00	215.02
11	26.50	21.73	17.78	7.15	3.08	640.84	74.13	0.00	2.60	707.00	267.94
12	27.89	22.40	18.94	7.15	2.33	640.04	70.53	0.00	2.69	728.00	299.92
13	27.94	22.52	19.28	6.26	2.13	639.17	72.15	6.00	2.39	677.00	231.09
14	26.61	22.50	19.94	4.47	1.58	640.16	74.95	9.00	1.70	596.00	176.10
15	25.33	21.66	18.11	4.47	1.95	641.43	82.50	49.80	1.60	724.00	176.22
16	26.44	21.89	19.28	4.92	2.17	641.24	74.12	0.00	1.52	698.00	214.97
17											
18	26.22	22.60	20.56	7.15	2.27	641.36	72.57	0.00	2.19	800.00	275.18
19	24.83	20.51	18.50	7.15	2.14	642.29	80.63	5.60	1.67	740.00	207.47
20	24.17	19.80	17.67	6.26	2.44	643.41	81.28	1.00	1.52	717.00	154.20
21	25.22	20.10	17.78	7.15	2.63	643.81	80.93	5.00	2.29	812.00	266.08
22	24.94	19.85	17.44	6.26	2.14	643.46	78.58	2.20	2.14	824.00	292.62
23	25.94	20.84	17.89	6.26	2.27	642.39	75.67	0.00	1.83	578.00	187.42
24	26.33	21.92	18.39	6.71	2.16	641.48	72.56	0.00	1.93	613.00	189.24
25	25.61	21.24	19.56	7.60	2.38	641.79	75.98	0.60	1.93	729.00	183.76
26	25.50	20.68	18.67	11.18	2.59	643.03	78.70	2.20	2.01	693.00	230.43
27	25.61	20.53	17.17	9.83	2.63	642.92	77.80	3.20	2.85	766.00	304.42
28	26.50	20.53	16.89	7.15	2.92	641.98	73.44	0.00	2.59	715.00	269.23
29	23.94	20.06	17.94	11.62	2.86	641.96	80.42	9.60	1.37	631.00	147.04
30	25.61	20.83	17.17	3.13	1.38	641.93	78.30	0.00	2.09	729.00	227.30
TOTAL								119.00	60.46		
PROM	26.15	21.59	18.77	6.94	2.28	641.52	75.71			713.24	224.53

Cuadro 1: Resumen de análisis climatológico

**Estación: Lago**  
**Fecha: Abril de 2013**  
**Registros: 29 de 30**

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	2	0	0	0	2	0	2	0.40	0.17	0.69	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	0	1	2	0	1	0	2	0	3	2.40	0.58	2.43	35.00	1.80	2.70	7.20
5	1	0	0	0	0	0	1	0	1	14.20	1.00	4.17	65.00	14.20	12.17	36.00
6	0	0	1	0	0	0	1	0	1	1.80	0.50	2.08	55.00	1.80	1.80	7.20
7	0	0	1	0	0	0	1	0	1	1.80	0.67	2.78	60.00	1.80	1.66	4.80
8	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0	1	0	1	0	0	2	0	2	1.60	0.42	1.74	20.00	1.20	2.88	7.20
10	1	0	0	0	0	0	0	1	1	2.60	0.25	1.04	20.00	2.60	6.24	21.60
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	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	1	0	1	0	0	0	2	0	2	6.00	0.33	1.39	20.00	5.80	13.92	36.00
14	1	0	0	0	0	0	0	1	1	9.00	0.92	3.82	65.00	9.00	7.71	16.80
15	1	1	1	0	3	0	0	0	3	49.80	4.42	18.40	305.00	45.40	8.79	62.40
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																
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	2	0	0	0	1	1	2	5.60	1.33	5.56	130.00	5.40	2.40	14.40
20	0	0	1	0	0	0	0	1	1	1.00	0.17	0.69	25.00	1.00	2.00	7.20
21	0	0	4	0	1	1	1	1	4	5.00	1.33	5.56	90.00	3.60	2.27	12.00
22	0	0	2	0	2	0	0	0	2	2.20	0.83	3.47	65.00	2.00	1.71	4.80
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	1	0	0	0	1	0	1	0.60	0.17	0.69	15.00	0.60	1.80	4.80
26	0	0	1	0	0	0	0	1	1	2.20	0.75	3.13	85.00	2.20	1.47	4.80
27	0	0	4	0	1	0	0	3	4	3.20	1.00	4.17	70.00	2.40	1.92	7.20
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	1	0	2	0	0	0	1	2	3	9.60	1.83	7.64	25.00	5.00	10.00	21.60
30	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAX	1	1	4	1	3	1	2	3	4	49.80	4.42	18.40	305.00	45.40	13.92	62.40
TOTAL	6	3	25	1	8	1	15	11	35	119.00	16.67	2.31				

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