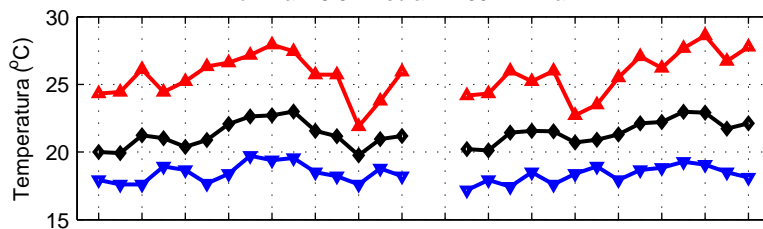


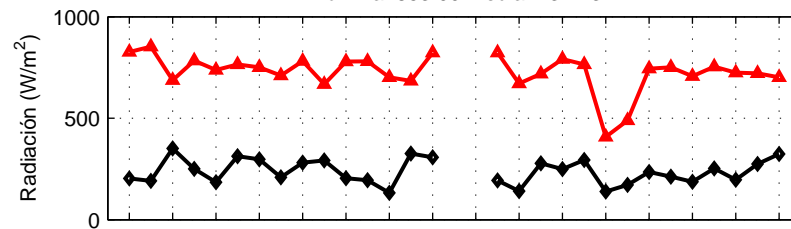
Estación: Lago
Fecha: Diciembre de 2012
Registros: 29 de 31

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>

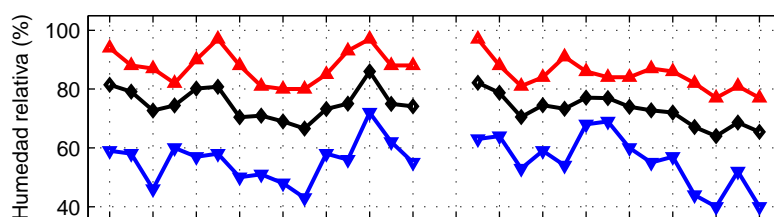
Máxima: 28.61 Media: 21.39 Mínima: 17.17



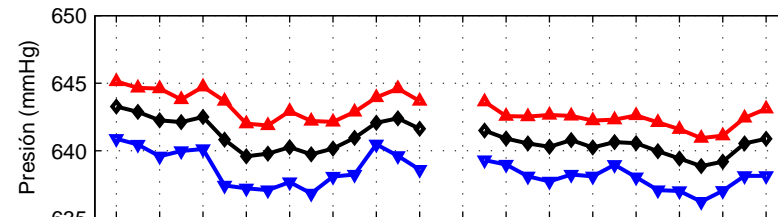
Máxima: 853.00 Media: 237.43



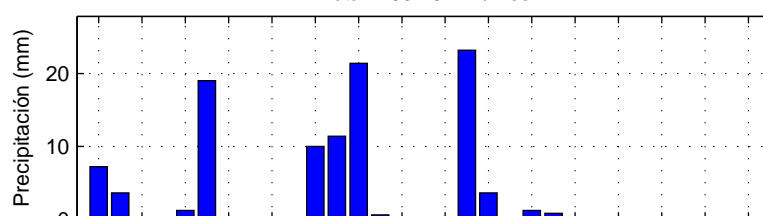
Máxima: 97.00 Media: 74.00 Mínima: 40.00



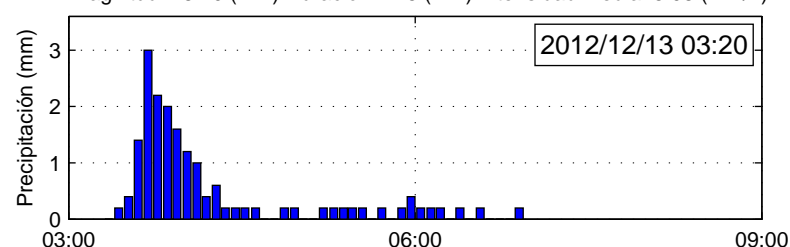
Máxima: 645.13 Media: 640.86 Mínima: 636.24



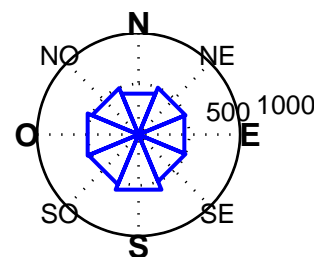
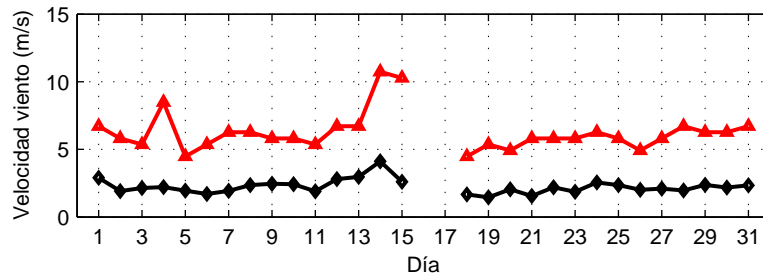
Total: 103.20 mm/mes



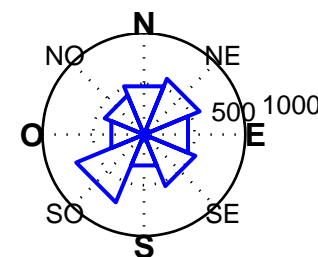
Magnitud: 18.20 (mm) Duración: 215 (min) Intensidad Media: 5.08 (mm/h)



Máxima: 10.73 Media: 2.24



Dirección del viento (Día)



Dirección del viento (Noche)



Estación: Lago
Fecha: Diciembre de 2012
Registros: 29 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	24.33	20.01	17.94	6.71	2.90	643.27	81.45	7.20	1.91	826.00	203.11
2	24.44	19.93	17.61	5.81	1.92	642.87	79.12	3.60	1.63	853.00	191.28
3	26.11	21.23	17.61	5.36	2.15	642.25	72.67	0.00	3.13	687.00	351.30
4	24.44	21.03	18.94	8.49	2.21	642.12	74.46	0.00	2.34	784.00	250.36
5	25.22	20.37	18.67	4.47	1.95	642.50	80.15	1.20	1.68	738.00	184.20
6	26.33	20.89	17.67	5.36	1.70	640.83	80.75	19.00	2.49	765.00	313.01
7	26.61	22.08	18.39	6.26	1.93	639.59	70.43	0.00	2.87	751.00	297.54
8	27.17	22.63	19.72	6.26	2.36	639.79	70.98	0.00	2.08	710.00	208.65
9	27.94	22.72	19.39	5.81	2.45	640.26	68.99	0.00	2.85	782.00	280.85
10	27.44	22.99	19.56	5.81	2.42	639.74	66.61	0.00	2.87	668.00	292.20
11	25.72	21.56	18.50	5.36	1.90	640.16	73.22	10.00	1.83	779.00	204.72
12	25.72	21.16	18.22	6.71	2.81	640.96	75.07	11.40	1.83	780.00	193.87
13	21.89	19.75	17.61	6.71	2.97	642.07	85.98	21.40	1.04	701.00	132.51
14	23.78	20.96	18.78	10.73	4.11	642.39	74.94	0.60	2.62	684.00	325.95
15	25.94	21.19	18.22	10.28	2.61	641.63	74.10	0.00	2.36	823.00	307.75
16											
17											
18	24.17	20.21	17.17	4.47	1.67	641.50	82.15	23.20	1.63	823.00	193.44
19	24.33	20.12	17.94	5.36	1.45	640.91	78.73	3.60	1.35	671.00	140.71
20	26.00	21.43	17.44	4.92	2.04	640.55	70.51	0.00	2.72	719.00	277.41
21	25.22	21.57	18.50	5.81	1.55	640.29	74.49	1.20	2.26	791.00	249.05
22	26.00	21.53	17.61	5.81	2.19	640.78	73.29	0.80	2.64	765.00	294.55
23	22.72	20.71	18.39	5.81	1.87	640.24	77.10	0.00	1.42	408.00	138.32
24	23.50	20.91	18.94	6.26	2.55	640.64	76.92	0.00	1.60	489.00	171.69
25	25.50	21.30	17.94	5.81	2.36	640.56	73.96	0.00	2.11	744.00	235.45
26	27.06	22.12	18.67	4.92	2.01	639.97	72.77	0.00	2.06	751.00	212.36
27	26.22	22.23	18.83	5.81	2.10	639.42	72.01	0.00	1.98	707.00	187.27
28	27.67	22.97	19.28	6.71	1.97	638.86	67.07	0.00	2.57	754.00	252.21
29	28.61	22.91	19.06	6.26	2.38	639.20	64.03	0.00	1.85	724.00	197.03
30	26.72	21.73	18.50	6.26	2.17	640.55	68.58	0.00	2.57	721.00	274.65
31	27.78	22.12	18.11	6.71	2.34	640.89	65.42	0.00	3.13	701.00	323.93
TOTAL								103.20	63.42		
PROM	25.68	21.39	18.39	6.24	2.24	640.86	74.00			727.55	237.43

Cuadro 1: Resumen de análisis climatológico

Estación: Lago
Fecha: Diciembre de 2012
Registros: 29 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	1	4	0	3	0	1	1	5	7.20	2.50	10.42	150.00	3.40	1.32	4.80
2	0	1	0	0	0	0	1	0	1	3.60	0.83	3.47	80.00	3.60	2.54	12.00
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	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0	0	2	0	0	0	1	1	2	1.20	0.42	1.74	50.00	1.00	1.09	4.80
6	1	0	2	0	1	1	1	0	3	19.00	1.58	6.60	45.00	16.40	19.68	64.80
7	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	0	4	0	0	0	1	1	2	4	10.00	1.67	6.94	45.00	4.00	4.80	19.20
12	0	1	3	0	0	0	2	2	4	11.40	2.33	9.72	205.00	10.80	3.09	16.80
13	0	2	5	0	3	0	2	2	7	21.40	3.58	14.93	215.00	18.20	4.96	36.00
14	0	1	1	0	0	2	0	0	2	0.60	0.17	0.69	5.00	0.40	2.40	4.80
15	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16																
17																
18	0	3	3	0	3	1	2	0	6	23.20	4.25	17.71	235.00	16.60	4.15	26.40
19	0	1	2	0	0	0	3	0	3	3.60	0.67	2.78	35.00	3.20	4.80	14.40
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	1	0	0	0	2	0	2	1.20	0.17	0.69	10.00	1.00	4.00	12.00
22	0	0	3	0	1	0	2	0	3	0.80	0.33	1.39	15.00	0.40	1.20	2.40
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	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	4	5	0	3	2	3	2	7	23.20	4.25	17.71	235.00	18.20	19.68	64.80
TOTAL	1	15	26	0	11	5	18	8	42	103.20	18.50	2.49				

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