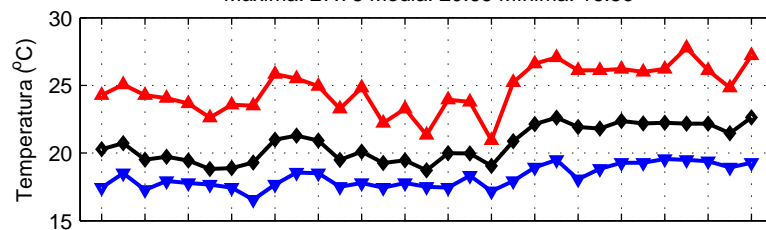


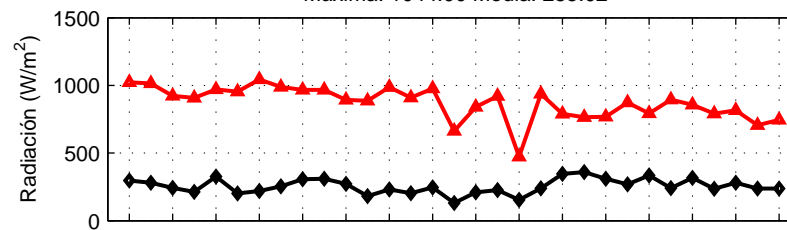
Estación: Lago
Fecha: Diciembre de 2011
Registros: 31 de 31

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>

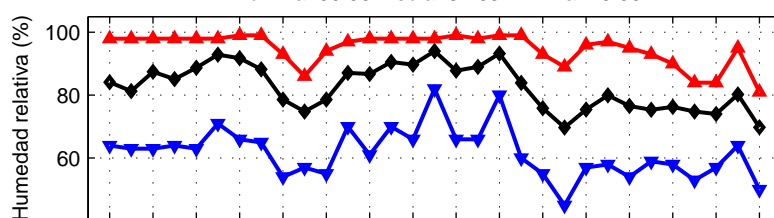
Máxima: 27.78 Media: 20.66 Mínima: 16.56



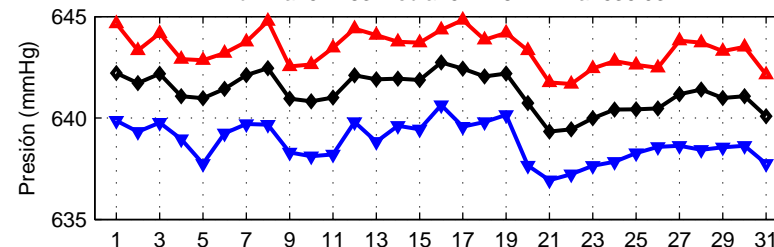
Máxima: 1044.00 Media: 255.02



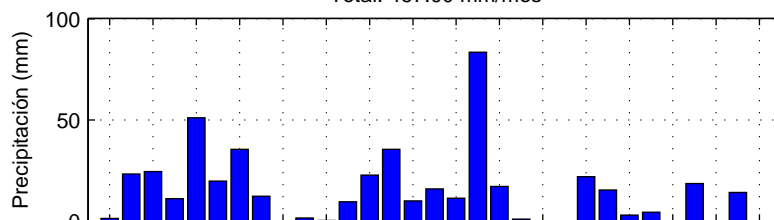
Máxima: 99.00 Media: 82.63 Mínima: 45.00



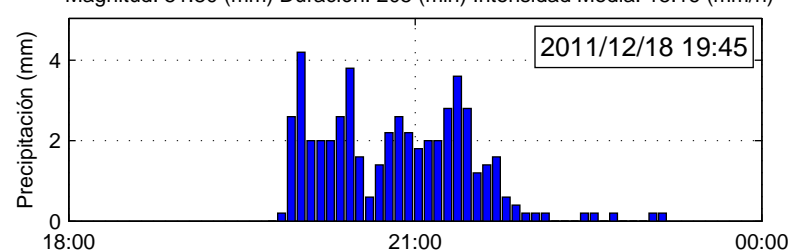
Máxima: 644.83 Media: 641.28 Mínima: 636.93



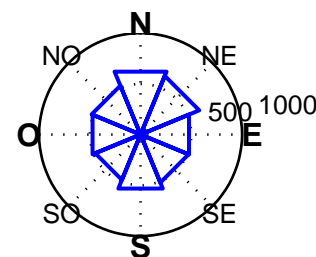
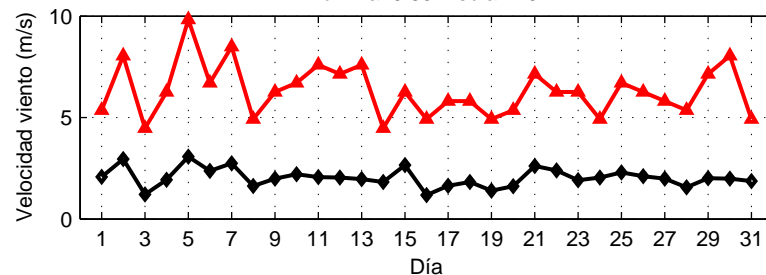
Total: 467.00 mm/mes



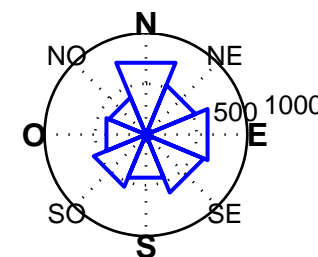
Magnitud: 51.80 (mm) Duración: 205 (min) Intensidad Media: 15.16 (mm/h)



Máxima: 9.83 Media: 2.04



Dirección del viento (Día)



Dirección del viento (Noche)



Estación: Lago
Fecha: Diciembre de 2011
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: 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	24.28	20.28	17.44	5.36	2.07	642.21	84.13	1.40	2.36	1023.00	296.38
2	25.06	20.73	18.50	8.05	2.95	641.72	81.33	23.40	2.31	1014.00	280.37
3	24.28	19.51	17.28	4.47	1.21	642.18	87.42	24.60	1.88	923.00	242.73
4	24.06	19.73	17.94	6.26	1.93	641.07	85.11	11.20	1.60	907.00	212.64
5	23.67	19.45	17.78	9.83	3.07	640.98	88.69	51.20	2.59	970.00	326.03
6	22.61	18.83	17.67	6.71	2.37	641.43	92.88	19.80	1.35	953.00	201.09
7	23.56	18.89	17.44	8.49	2.74	642.12	91.74	35.60	1.68	1044.00	218.63
8	23.50	19.29	16.56	4.92	1.63	642.45	88.21	12.40	1.96	988.00	253.67
9	25.83	20.99	17.67	6.26	1.99	640.95	78.63	0.20	2.59	967.00	306.88
10	25.50	21.29	18.56	6.71	2.21	640.82	74.79	1.60	2.70	967.00	309.13
11	24.94	20.92	18.50	7.60	2.07	641.01	78.60	0.40	2.48	893.00	271.48
12	23.28	19.49	17.50	7.15	2.04	642.11	87.08	9.60	1.55	886.00	182.26
13	24.83	20.10	17.78	7.60	1.97	641.91	86.71	22.80	1.85	986.00	230.66
14	22.22	19.26	17.44	4.47	1.82	641.94	90.56	35.60	1.55	909.00	203.59
15	23.28	19.46	17.78	6.26	2.66	641.88	89.69	10.00	1.96	977.00	245.82
16	21.33	18.72	17.50	4.92	1.17	642.74	94.03	16.00	0.89	663.00	131.09
17	23.94	19.99	17.44	5.81	1.63	642.43	87.79	11.40	1.68	840.00	210.19
18	23.78	19.96	18.33	5.81	1.82	642.05	88.98	83.60	1.85	921.00	226.15
19	20.94	19.05	17.17	4.92	1.40	642.19	93.25	17.20	1.12	473.00	154.01
20	25.22	20.87	17.94	5.36	1.61	640.73	83.88	1.00	1.96	937.00	238.43
21	26.61	22.14	18.94	7.15	2.62	639.33	75.87	0.20	3.05	789.00	345.62
22	27.06	22.62	19.50	6.26	2.39	639.44	69.69	0.00	3.50	765.00	358.54
23	26.11	21.93	18.06	6.26	1.91	639.99	75.47	22.00	2.77	768.00	310.13
24	26.11	21.80	18.83	4.92	2.04	640.42	79.93	15.40	2.31	874.00	268.30
25	26.22	22.37	19.28	6.71	2.29	640.43	76.60	3.00	3.07	793.00	334.71
26	26.00	22.19	19.28	6.26	2.11	640.47	75.38	4.40	2.22	895.00	241.04
27	26.22	22.24	19.56	5.81	1.98	641.17	76.30	0.20	2.69	856.00	315.50
28	27.78	22.17	19.50	5.36	1.56	641.40	74.80	18.60	2.19	791.00	235.68
29	26.11	22.17	19.39	7.15	2.01	640.98	74.05	0.00	2.62	816.00	280.07
30	24.83	21.47	18.94	8.05	1.99	641.07	80.23	14.20	1.93	705.00	237.35
31	27.22	22.64	19.28	4.92	1.87	640.09	69.79	0.00	2.57	745.00	237.52
TOTAL								467.00	66.83		
PROM	24.72	20.66	18.22	6.32	2.04	641.28	82.63			872.19	255.02

Cuadro 1: Resumen de análisis climatológico

Estación: Lago
Fecha: Diciembre de 2011
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: 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	1.40	0.50	2.08	45.00	1.40	1.68	4.80
2	2	0	3	0	0	0	2	3	5	23.40	1.83	7.64	50.00	11.20	12.22	33.60
3	1	1	3	0	3	1	1	0	5	24.60	3.50	14.58	65.00	11.60	9.94	31.20
4	0	1	2	0	0	0	1	2	3	11.20	2.00	8.33	90.00	8.80	5.56	14.40
5	1	1	4	0	4	0	1	1	6	51.20	4.00	16.67	115.00	42.80	21.40	62.40
6	0	2	3	1	1	1	3	1	6	19.80	3.08	12.85	125.00	14.60	6.74	33.60
7	1	1	1	0	0	0	1	2	3	35.60	3.83	15.97	240.00	31.20	7.64	76.80
8	0	1	6	1	3	3	2	0	8	12.40	3.33	13.89	70.00	5.40	4.32	28.80
9	0	0	1	0	1	0	0	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
10	0	1	1	0	0	0	2	0	2	1.60	0.33	1.39	20.00	1.40	3.36	9.60
11	0	0	1	0	0	0	0	1	1	0.40	0.08	0.35	10.00	0.40	1.60	4.80
12	0	1	2	0	3	0	0	0	3	9.60	2.00	8.33	130.00	9.20	4.09	31.20
13	0	3	1	0	0	0	1	3	4	22.80	4.08	17.01	90.00	9.20	5.81	19.20
14	0	2	3	0	2	1	0	2	5	35.60	6.92	28.82	210.00	21.60	6.03	26.40
15	0	1	7	1	4	0	1	4	9	10.00	3.17	13.19	80.00	3.80	2.68	9.60
16	0	2	6	1	2	3	2	2	9	16.00	4.17	17.36	235.00	11.80	2.95	12.00
17	1	0	1	0	1	0	1	0	2	11.40	1.25	5.21	40.00	9.80	13.07	38.40
18	3	0	3	0	3	0	1	2	6	83.60	4.67	19.44	205.00	51.80	14.80	50.40
19	0	1	5	0	1	0	3	2	6	17.20	3.33	13.89	160.00	14.80	5.38	33.60
20	0	0	3	0	1	1	0	1	3	1.00	0.42	1.74	20.00	0.60	1.44	2.40
21	0	0	1	0	0	0	1	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
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	1	1	0	1	3	0	0	0	3	22.00	2.08	8.68	85.00	15.80	10.53	45.60
24	1	2	1	0	2	1	1	0	4	15.40	2.17	9.03	75.00	11.60	8.70	28.80
25	0	1	0	0	1	0	0	0	1	3.00	0.42	1.74	30.00	3.00	5.14	14.40
26	0	1	0	0	0	0	0	1	1	4.40	0.67	2.78	55.00	4.40	4.40	24.00
27	0	0	1	0	1	0	0	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
28	1	0	0	0	0	0	1	0	1	18.60	0.58	2.43	40.00	18.60	24.80	74.40
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	1	0	0	0	1	0	0	1	14.20	1.75	7.29	145.00	14.20	5.68	36.00
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	3	3	7	1	4	3	3	4	9	83.60	6.92	28.82	240.00	51.80	24.80	76.80
TOTAL	12	24	60	5	37	12	25	27	101	467.00	60.42	8.12				

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