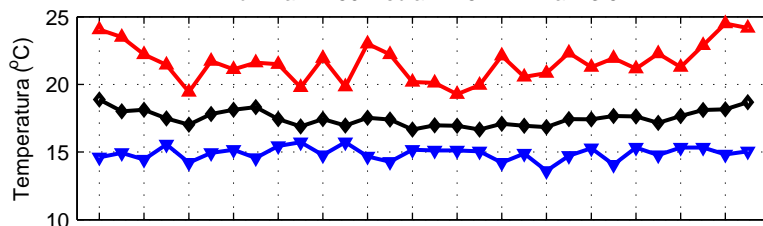


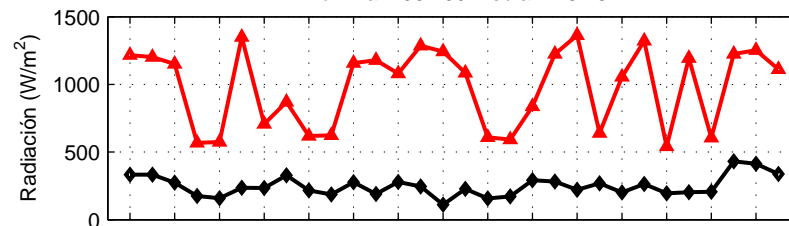
Estación: San Jose
Fecha: Abril de 2011
Registros: 30 de 30

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>

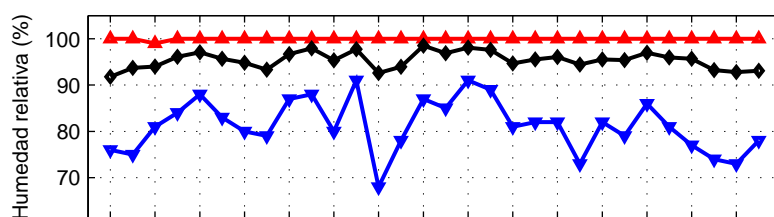
Máxima: 24.50 Media: 17.51 Mínima: 13.61



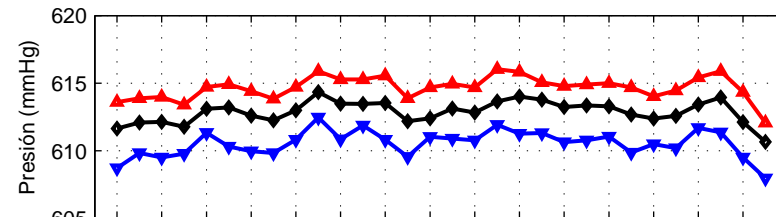
Máxima: 1362.00 Media: 248.18



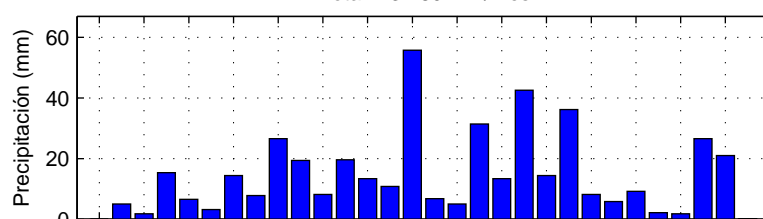
Máxima: 100.00 Media: 95.36 Mínima: 68.00



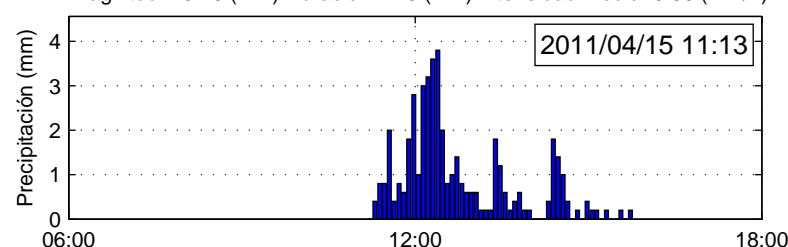
Máxima: 616.04 Media: 612.88 Mínima: 607.96



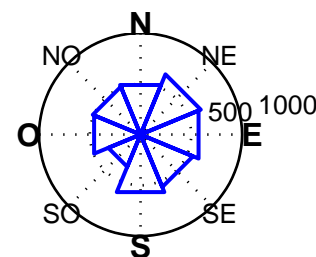
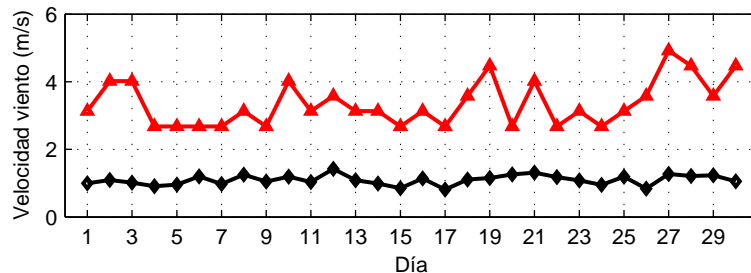
Total: 432.80 mm/mes



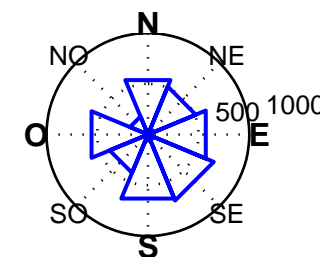
Magnitud: 45.20 (mm) Duración: 275 (min) Intensidad Media: 9.86 (mm/h)



Máxima: 4.92 Media: 1.09



Dirección del viento (Día)



Dirección del viento (Noche)



Estación: San Jose
Fecha: Abril de 2011
Registros: 30 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: 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	24.06	18.87	14.61	3.13	1.00	611.64	91.80	0.00	2.59	1216.00	333.17
2	23.50	18.02	14.94	4.02	1.09	612.09	93.71	5.00	2.52	1202.00	332.66
3	22.22	18.12	14.44	4.02	1.01	612.14	94.00	1.80	2.11	1151.00	273.58
4	21.44	17.49	15.56	2.68	0.91	611.78	96.09	15.40	1.32	568.00	175.59
5	19.44	17.02	14.22	2.68	0.96	613.11	97.05	6.60	1.17	575.00	158.60
6	21.72	17.80	14.94	2.68	1.20	613.21	95.67	3.20	1.58	1350.00	236.34
7	21.11	18.12	15.17	2.68	0.97	612.60	94.80	14.40	1.75	707.00	234.91
8	21.61	18.33	14.56	3.13	1.25	612.25	93.31	7.80	2.44	870.00	327.11
9	21.50	17.44	15.44	2.68	1.05	612.99	96.67	26.60	1.52	619.00	215.55
10	19.78	16.90	15.72	4.02	1.19	614.34	97.91	19.40	1.37	624.00	185.86
11	21.94	17.43	14.78	3.13	1.04	613.49	95.35	8.20	1.91	1158.00	277.01
12	19.83	16.96	15.72	3.58	1.42	613.47	97.73	19.60	1.32	1179.00	189.73
13	23.00	17.53	14.67	3.13	1.09	613.54	92.60	13.40	2.16	1081.00	277.83
14	22.22	17.40	14.28	3.13	0.99	612.19	93.95	10.80	1.91	1285.00	245.63
15	20.17	16.65	15.17	2.68	0.85	612.40	98.51	55.80	0.74	1243.00	110.48
16	20.11	16.98	15.11	3.13	1.14	613.12	96.87	6.80	1.60	1085.00	228.34
17	19.28	16.94	15.11	2.68	0.81	612.84	98.08	5.00	1.17	608.00	156.95
18	19.94	16.66	15.06	3.58	1.11	613.65	97.57	31.40	1.25	592.00	171.05
19	22.11	17.08	14.22	4.47	1.15	614.01	94.66	13.40	2.13	837.00	291.95
20	20.56	16.94	14.89	2.68	1.26	613.78	95.51	42.60	1.98	1225.00	281.30
21	20.83	16.85	13.61	4.02	1.31	613.23	96.04	14.40	1.58	1362.00	221.42
22	22.33	17.43	14.72	2.68	1.18	613.35	94.43	36.20	1.96	640.00	269.29
23	21.28	17.41	15.28	3.13	1.08	613.29	95.52	8.20	1.60	1056.00	201.66
24	21.94	17.66	14.06	2.68	0.95	612.68	95.39	5.80	1.96	1322.00	264.10
25	21.17	17.64	15.33	3.13	1.19	612.39	96.94	9.20	1.40	541.00	195.38
26	22.28	17.15	14.78	3.58	0.84	612.59	95.94	2.20	1.42	1194.00	202.14
27	21.28	17.67	15.33	4.92	1.27	613.42	95.67	1.80	1.47	605.00	205.93
28	22.89	18.11	15.33	4.47	1.21	613.95	93.22	26.60	3.15	1225.00	431.24
29	24.50	18.15	14.83	3.58	1.23	612.13	92.81	21.00	3.15	1252.00	412.69
30	24.17	18.69	15.06	4.47	1.05	610.66	93.10	0.20	2.72	1111.00	337.83
TOTAL								432.80	54.95		
PROM	21.61	17.51	14.90	3.35	1.09	612.88	95.36			982.77	248.18

Cuadro 1: Resumen de análisis climatológico

Estación: San Jose
Fecha: Abril de 2011
Registros: 30 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: 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	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0	1	2	1	2	0	2	0	4	5.00	1.00	4.17	30.00	3.40	5.83	14.40
3	0	1	1	0	1	0	1	0	2	1.80	0.42	1.74	25.00	1.60	3.20	12.00
4	1	1	1	0	0	0	2	1	3	15.40	1.50	6.25	80.00	14.40	10.16	36.00
5	0	0	5	1	0	2	2	2	6	6.60	2.17	9.03	105.00	4.20	2.29	7.20
6	0	1	2	0	0	0	2	1	3	3.20	0.67	2.78	40.00	2.60	3.47	14.40
7	1	0	7	0	3	0	2	3	8	14.40	2.00	8.33	85.00	12.40	8.27	28.80
8	0	0	6	0	1	0	0	5	6	7.80	2.75	11.46	135.00	5.00	2.14	4.80
9	1	0	4	1	1	1	2	2	6	26.60	4.67	19.44	140.00	18.80	7.78	38.40
10	0	2	0	0	1	0	1	0	2	19.40	5.17	21.53	340.00	14.80	2.57	7.20
11	1	1	3	0	0	1	2	2	5	8.20	0.92	3.82	25.00	6.40	12.80	38.40
12	0	4	7	0	6	2	3	0	11	19.60	3.83	15.97	75.00	7.40	5.55	33.60
13	0	1	2	0	3	0	0	0	3	13.40	3.08	12.85	190.00	11.20	3.45	14.40
14	1	1	1	2	0	0	4	1	5	10.80	1.42	5.90	45.00	6.60	7.92	26.40
15	1	2	5	0	4	1	2	1	8	55.80	6.50	27.08	275.00	45.20	9.69	45.60
16	0	0	4	0	0	2	1	1	4	6.80	2.50	10.42	150.00	5.00	1.94	4.80
17	0	0	6	1	3	2	2	0	7	5.00	1.92	7.99	120.00	2.80	1.34	4.80
18	0	2	1	0	0	1	1	1	3	31.40	6.92	28.82	170.00	17.20	5.90	19.20
19	0	1	2	0	1	0	1	1	3	13.40	1.67	6.94	115.00	13.00	6.50	26.40
20	2	1	4	0	3	0	3	1	7	42.60	5.00	20.83	125.00	28.20	13.02	45.60
21	1	1	1	0	1	0	2	0	3	14.40	1.58	6.60	90.00	12.80	8.08	26.40
22	0	1	0	0	1	0	0	0	1	36.20	4.58	19.10	305.00	36.20	7.01	40.80
23	0	1	3	0	0	0	2	2	4	8.20	1.42	5.90	60.00	6.80	6.28	14.40
24	0	1	2	0	1	0	2	0	3	5.80	0.83	3.47	45.00	5.40	6.48	19.20
25	0	1	4	0	0	1	3	1	5	9.20	2.50	10.42	75.00	4.20	3.15	12.00
26	0	0	8	0	0	1	6	1	8	2.20	0.92	3.82	25.00	0.60	1.20	2.40
27	0	0	3	1	0	0	2	2	4	1.80	0.75	3.13	25.00	0.80	1.60	2.40
28	1	0	7	0	6	0	1	1	8	26.60	2.50	10.42	110.00	24.40	12.73	38.40
29	3	0	3	0	0	1	3	2	6	21.00	1.42	5.90	45.00	10.80	12.96	62.40
30	0	0	1	0	0	0	1	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
MAX	3	4	8	2	6	2	6	5	11	55.80	6.92	28.82	340.00	45.20	13.02	62.40
TOTAL	13	24	95	7	38	15	55	31	139	432.80	70.67	9.81				

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