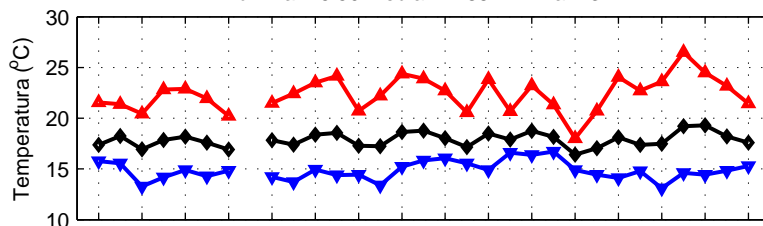


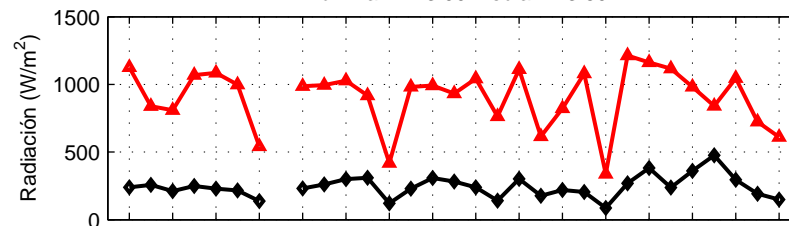
**Estación: San Jose**  
**Fecha: Diciembre de 2013**  
**Registros: 30 de 31**

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>

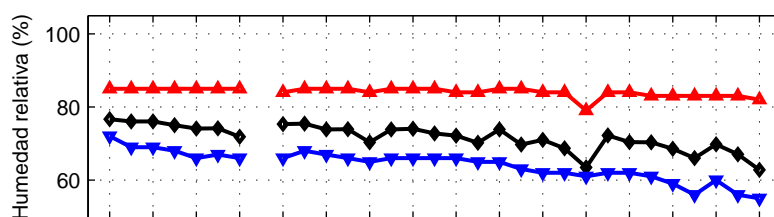
Máxima: 26.50 Media: 17.88 Mínima: 13.11



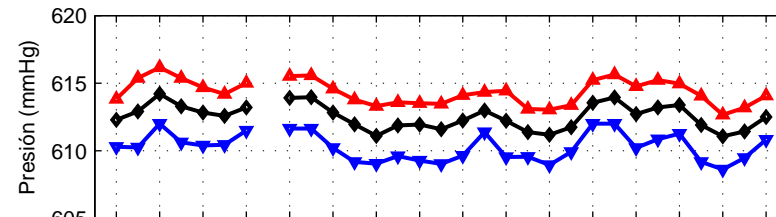
Máxima: 1213.00 Media: 243.50



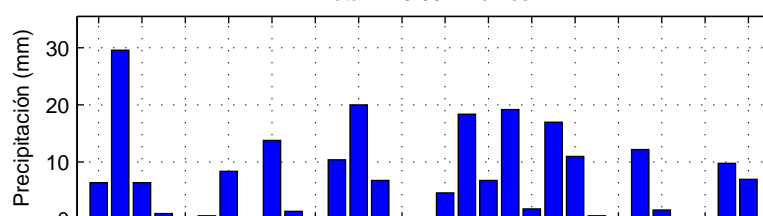
Máxima: 85.00 Media: 71.64 Mínima: 55.00



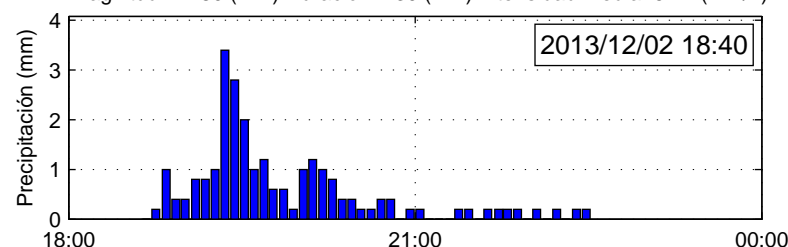
Máxima: 616.17 Media: 612.53 Mínima: 608.62



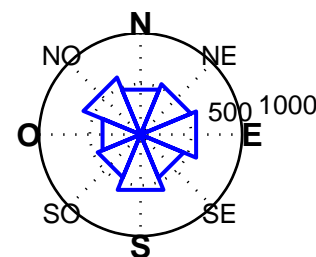
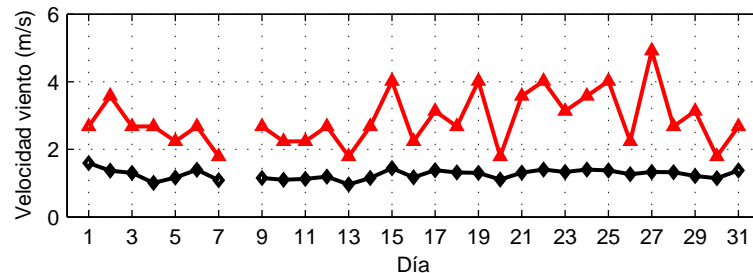
Total: 215.60 mm/mes



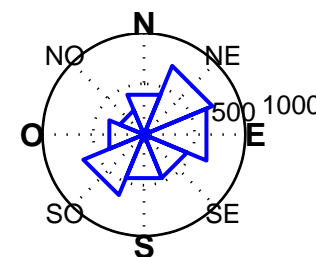
Magnitud: 24.80 (mm) Duración: 230 (min) Intensidad Media: 6.47 (mm/h)



Máxima: 4.92 Media: 1.26



Dirección del viento (Día)



Dirección del viento (Noche)



**Estación: San Jose**  
**Fecha: Diciembre de 2013**  
**Registros: 30 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](http://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	21.56	17.37	15.78	2.68	1.59	612.29	76.64	6.40	1.45	1127.00	239.00
2	21.39	18.24	15.56	3.58	1.37	612.91	76.04	29.60	1.81	838.00	257.64
3	20.44	16.92	13.28	2.68	1.30	614.20	76.02	6.40	1.65	809.00	210.52
4	22.83	17.85	14.17	2.68	1.01	613.29	74.99	1.00	2.08	1069.00	248.85
5	22.89	18.18	14.89	2.24	1.17	612.83	74.06	0.20	1.88	1085.00	229.50
6	21.94	17.59	14.28	2.68	1.39	612.58	74.13	0.60	1.68	998.00	215.46
7	20.22	16.91	14.83	1.79	1.09	613.21	71.83	8.40	1.25	541.00	136.68
8											
9	21.50	17.82	14.22	2.68	1.15	613.92	75.32	13.80	1.63	986.00	230.97
10	22.44	17.38	13.72	2.24	1.10	613.96	75.45	1.40	2.11	995.00	259.86
11	23.50	18.38	14.94	2.24	1.13	612.83	73.85	0.20	2.44	1028.00	299.34
12	24.17	18.56	14.39	2.68	1.20	611.96	73.90	10.40	2.46	918.00	309.39
13	20.72	17.28	14.44	1.79	0.96	611.10	70.32	20.00	1.17	418.00	121.23
14	22.22	17.25	13.39	2.68	1.16	611.87	73.84	6.80	2.01	981.00	228.76
15	24.39	18.63	15.22	4.02	1.44	611.93	74.05	0.20	2.59	991.00	307.76
16	23.89	18.78	15.83	2.24	1.17	611.59	72.73	0.00	2.34	932.00	282.09
17	22.72	18.03	16.06	3.13	1.38	612.24	72.12	4.60	2.01	1042.00	238.37
18	20.56	17.15	15.56	2.68	1.32	612.97	70.21	18.40	1.37	763.00	140.44
19	23.83	18.48	14.89	4.02	1.30	612.23	73.87	6.80	2.59	1111.00	301.77
20	20.67	17.91	16.61	1.79	1.11	611.38	69.72	19.20	1.52	615.00	177.21
21	23.22	18.76	16.39	3.58	1.31	611.18	71.02	1.80	1.88	823.00	219.26
22	21.33	18.17	16.72	4.02	1.40	611.74	68.66	17.00	1.83	1081.00	204.49
23	18.00	16.42	14.89	3.13	1.33	613.55	63.48	11.00	0.99	338.00	86.57
24	20.72	17.04	14.44	3.58	1.40	613.95	72.19	0.60	2.26	1213.00	268.71
25	24.06	18.11	14.11	4.02	1.38	612.71	70.35	0.00	3.07	1162.00	381.27
26	22.72	17.37	14.78	2.24	1.26	613.21	70.31	12.20	2.06	1116.00	237.47
27	23.61	17.48	13.11	4.92	1.33	613.38	68.57	1.60	3.00	981.00	360.67
28	26.50	19.22	14.61	2.68	1.33	611.91	66.00	0.20	4.01	840.00	475.91
29	24.50	19.30	14.44	3.13	1.21	611.07	69.80	0.00	2.52	1046.00	294.51
30	23.17	18.20	14.83	1.79	1.15	611.43	67.02	9.80	1.75	724.00	191.93
31	21.44	17.59	15.28	2.68	1.38	612.50	62.79	7.00	1.37	610.00	149.42
TOTAL								215.60	60.78		
PROM	22.37	17.88	14.86	2.88	1.26	612.53	71.64			906.03	243.50

Cuadro 1: Resumen de análisis climatológico

**Estación: San Jose**  
**Fecha: Diciembre de 2013**  
**Registros: 30 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](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	2	0	1	2	0	1	0	3	6.40	1.50	6.25	85.00	4.80	3.20	16.80
2	0	2	1	1	0	1	0	3	4	29.60	4.00	16.67	230.00	24.80	6.33	40.80
3	0	1	6	0	1	1	3	2	7	6.40	1.92	7.99	55.00	3.60	3.60	12.00
4	0	0	2	0	1	0	1	0	2	1.00	0.33	1.39	25.00	0.80	1.60	4.80
5	0	0	1	0	0	0	1	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
6	0	0	2	0	0	0	2	0	2	0.60	0.17	0.69	10.00	0.40	1.60	4.80
7	0	1	0	0	0	0	1	0	1	8.40	1.25	5.21	100.00	8.40	4.80	21.60
8																
9	1	0	1	0	0	1	1	0	2	13.80	0.75	3.13	45.00	13.60	16.32	43.20
10	0	1	1	0	0	0	2	0	2	1.40	0.33	1.39	20.00	1.20	2.88	7.20
11	0	0	1	0	1	0	0	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
12	1	0	1	0	0	0	1	1	2	10.40	0.75	3.13	50.00	10.20	11.13	28.80
13	1	0	3	0	1	0	3	0	4	20.00	2.42	10.07	150.00	19.40	7.51	33.60
14	0	1	2	1	1	1	2	0	4	6.80	0.92	3.82	50.00	6.00	6.55	36.00
15	0	0	1	0	0	1	0	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
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	0	2	2	0	0	0	2	2	4	4.60	0.92	3.82	30.00	2.80	4.80	12.00
18	0	1	3	0	1	0	3	0	4	18.40	2.17	9.03	155.00	17.80	6.67	50.40
19	0	1	5	0	0	1	0	5	6	6.80	1.08	4.51	45.00	5.40	6.48	26.40
20	0	2	3	1	3	2	1	0	6	19.20	4.50	18.75	195.00	10.20	3.06	14.40
21	0	1	0	1	1	0	1	0	2	1.80	0.33	1.39	15.00	1.40	4.20	9.60
22	0	2	2	0	1	1	0	2	4	17.00	4.58	19.10	200.00	10.20	2.99	9.60
23	0	0	9	0	6	1	2	0	9	11.00	4.08	17.01	250.00	7.40	1.74	4.80
24	0	0	1	1	1	1	0	0	2	0.60	0.25	1.04	30.00	0.40	0.69	2.40
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	1	0	0	0	0	1	0	1	12.20	1.00	4.17	105.00	12.20	6.65	57.60
27	0	0	2	0	0	0	2	0	2	1.60	0.50	2.08	60.00	1.40	1.29	4.80
28	0	0	1	0	1	0	0	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
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	1	0	0	0	0	0	1	0	1	9.80	0.58	2.43	45.00	9.80	11.76	31.20
31	0	1	2	0	0	1	2	0	3	7.00	1.83	7.64	130.00	6.00	2.67	16.80
MAX	1	2	9	1	6	2	3	5	9	29.60	4.58	19.10	250.00	24.80	16.32	57.60
TOTAL	4	19	52	6	21	12	33	15	81	215.60	36.50	4.91				

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