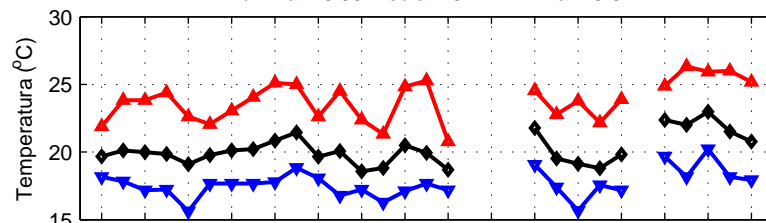


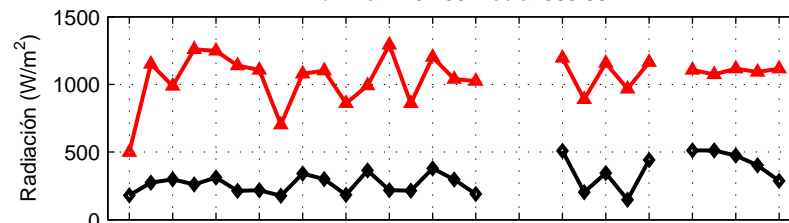
Estación: El Nudo
Fecha: Agosto de 2012
Registros: 27 de 31

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>

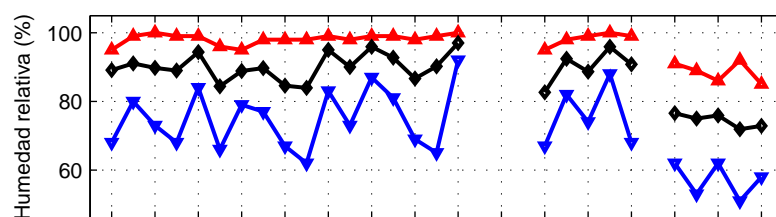
Máxima: 26.33 Media: 20.22 Mínima: 15.61



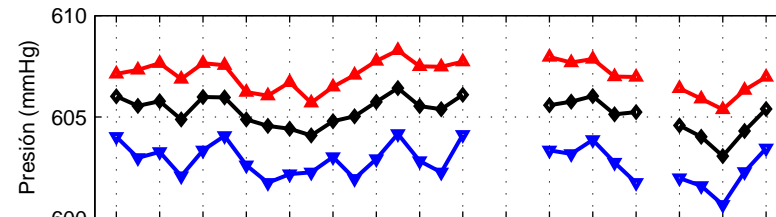
Máxima: 1292.00 Media: 305.36



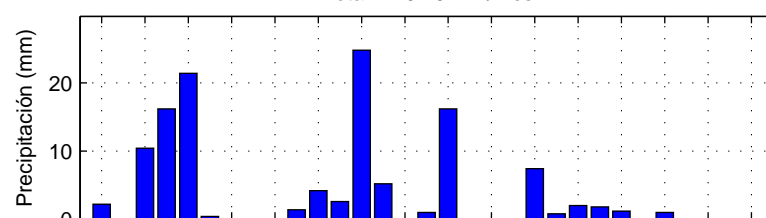
Máxima: 100.00 Media: 87.22 Mínima: 51.00



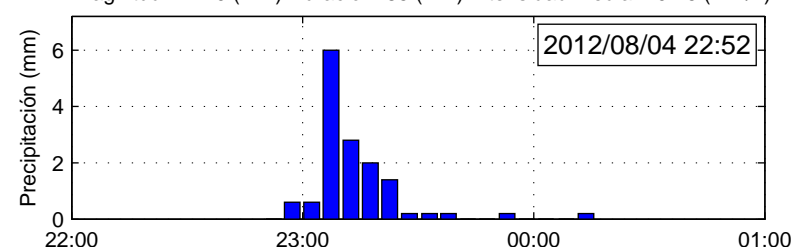
Máxima: 608.29 Media: 605.20 Mínima: 600.67



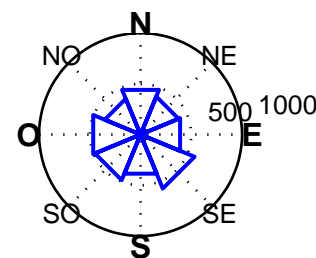
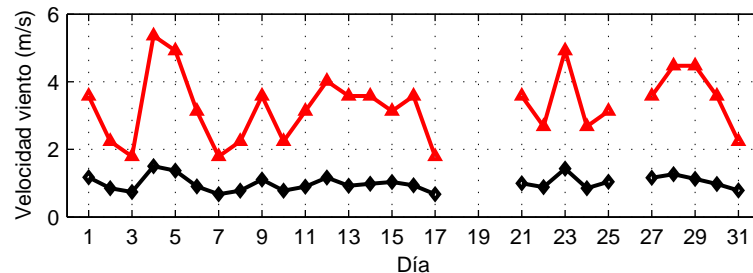
Total: 120.20 mm/mes



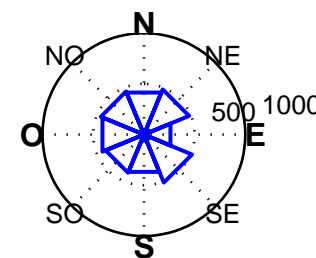
Magnitud: 14.40 (mm) Duración: 85 (min) Intensidad Media: 10.16 (mm/h)



Máxima: 5.36 Media: 1.00



Dirección del viento (Día)



Dirección del viento (Noche)



Estación: El Nudo
Fecha: Agosto de 2012
Registros: 27 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	21.89	19.67	18.17	3.58	1.17	606.02	89.14	2.20	1.37	499.00	180.62
2	23.83	20.11	17.83	2.24	0.85	605.55	91.05	0.00	2.13	1151.00	273.29
3	23.83	19.98	17.17	1.79	0.74	605.78	89.74	10.40	2.34	988.00	297.48
4	24.39	19.86	17.22	5.36	1.50	604.88	88.98	16.20	2.03	1259.00	260.01
5	22.61	19.09	15.61	4.92	1.37	605.99	94.32	21.40	2.24	1248.00	311.96
6	22.06	19.78	17.67	3.13	0.90	605.96	84.40	0.40	1.73	1139.00	213.13
7	23.06	20.11	17.67	1.79	0.67	604.88	88.88	0.00	1.68	1107.00	218.16
8	24.06	20.21	17.67	2.24	0.78	604.56	89.71	0.00	1.80	703.00	177.26
9	25.11	20.85	17.78	3.58	1.10	604.42	84.58	0.00	2.77	1079.00	340.66
10	25.00	21.45	18.83	2.24	0.78	604.09	83.93	1.40	2.34	1102.00	299.35
11	22.61	19.66	18.06	3.13	0.90	604.80	95.00	4.20	1.40	860.00	182.62
12	24.50	20.07	16.78	4.02	1.17	605.04	90.01	2.60	2.80	991.00	364.01
13	22.39	18.57	17.22	3.58	0.93	605.75	95.91	24.80	1.58	1292.00	217.09
14	21.33	18.83	16.28	3.58	0.98	606.43	92.71	5.20	1.78	860.00	214.28
15	24.83	20.50	17.11	3.13	1.04	605.53	86.67	0.00	3.02	1202.00	378.27
16	25.28	19.94	17.67	3.58	0.94	605.38	90.23	1.00	2.26	1039.00	296.57
17	20.78	18.68	17.17	1.79	0.67	606.09	97.00	16.20	1.40	1025.00	189.16
18											
19											
20											
21	24.56	21.78	19.06	3.58	1.00	605.58	82.64	7.40	3.48	1195.00	509.05
22	22.78	19.52	17.39	2.68	0.88	605.75	92.40	0.80	1.52	889.00	202.87
23	23.78	19.13	15.67	4.92	1.43	606.03	88.67	2.00	2.59	1157.00	344.16
24	22.17	18.81	17.56	2.68	0.85	605.14	95.93	1.80	1.07	967.00	147.51
25	23.89	19.82	17.17	3.13	1.04	605.24	90.80	1.20	2.80	1164.00	441.89
26											
27	24.89	22.37	19.67	3.58	1.16	604.58	76.57	1.00	3.46	1107.00	512.42
28	26.33	22.01	18.17	4.47	1.27	604.03	74.99	0.00	4.07	1074.00	511.58
29	25.94	22.98	20.22	4.47	1.13	603.07	75.88	0.00	3.43	1116.00	473.41
30	26.00	21.51	18.17	3.58	0.98	604.31	71.86	0.00	3.30	1092.00	401.33
31	25.17	20.77	17.94	2.24	0.79	605.39	72.87	0.00	2.41	1116.00	286.57
TOTAL								120.20	62.80		
PROM	23.82	20.22	17.66	3.30	1.00	605.20	87.22			1052.63	305.36

Cuadro 1: Resumen de análisis climatológico

Estación: El Nudo
Fecha: Agosto de 2012
Registros: 27 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	3	0	0	1	2	0	3	2.20	0.83	3.47	50.00	1.20	1.31	4.80
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	1	0	0	1	0	0	0	1	10.40	2.83	11.81	230.00	10.40	2.66	14.40
4	1	0	3	0	1	2	0	1	4	16.20	1.58	6.60	65.00	14.20	12.17	72.00
5	1	0	3	0	2	1	1	0	4	21.40	3.58	14.93	60.00	13.60	12.55	40.80
6	0	0	2	0	0	0	2	0	2	0.40	0.17	0.69	10.00	0.20	0.80	2.40
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	1	0	0	0	0	1	1	1.40	0.50	2.08	60.00	1.40	1.29	4.80
11	0	2	3	0	1	0	3	1	5	4.20	1.17	4.86	45.00	2.00	2.40	7.20
12	0	2	2	0	3	0	0	1	4	2.60	0.75	3.13	30.00	1.40	2.40	7.20
13	2	1	5	0	2	2	3	1	8	24.80	3.25	13.54	50.00	11.00	12.00	36.00
14	0	1	1	0	0	1	1	0	2	5.20	0.67	2.78	40.00	5.00	6.67	26.40
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	0	1	0	0	1	0	0	0	1	1.00	0.25	1.04	20.00	1.00	2.40	7.20
17	1	1	1	0	0	2	0	1	3	16.20	1.33	5.56	45.00	10.40	12.48	43.20
18																
19																
20																
21	1	0	0	0	0	1	0	0	1	7.40	0.08	0.35	5.00	7.40	44.40	88.80
22	0	0	2	0	0	0	1	1	2	0.80	0.25	1.04	20.00	0.60	1.44	4.80
23	0	0	1	0	0	0	1	0	1	2.00	0.83	3.47	80.00	2.00	1.41	2.40
24	0	0	5	1	1	2	3	0	6	1.80	0.75	3.13	15.00	0.40	1.20	2.40
25	0	0	1	0	1	0	0	0	1	1.20	0.50	2.08	70.00	1.20	0.96	2.40
26																
27	1	0	0	0	0	1	0	0	1	1.00	0.08	0.35	5.00	1.00	6.00	12.00
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	2	2	5	1	3	2	3	1	8	24.80	3.58	14.93	230.00	14.20	44.40	88.80
TOTAL	7	9	33	1	13	13	17	7	50	120.20	19.42	2.61				

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