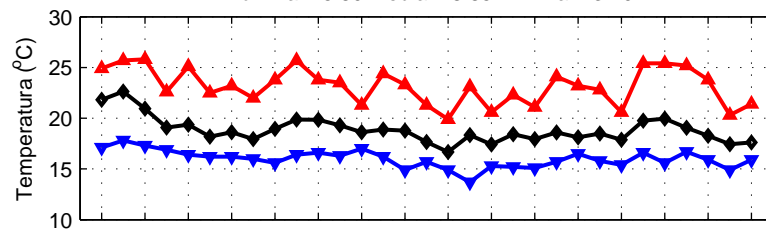


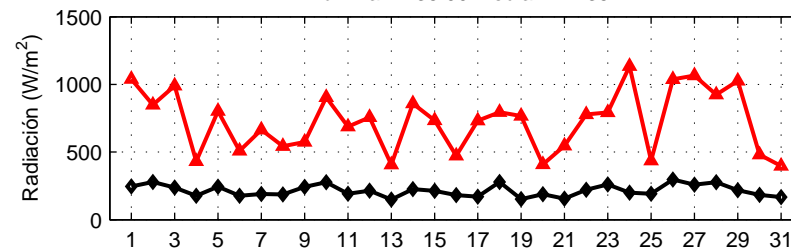
Estación: Mundo Nuevo
Fecha: Enero de 2009
Registros: 31 de 31

Reporte climatológico mensual
Red Hidroclimatológica del Departamento de Risaralda
Revisó: Adm. Ambiental Víctor Manuel Bermúdez Marín. Operador REDH
Aprobó: Ing Ph.D. Juan Mauricio Castaño Rojas. Director REDH.
Contáctenos: <http://www.utp.edu.co/hidroclimatologica>

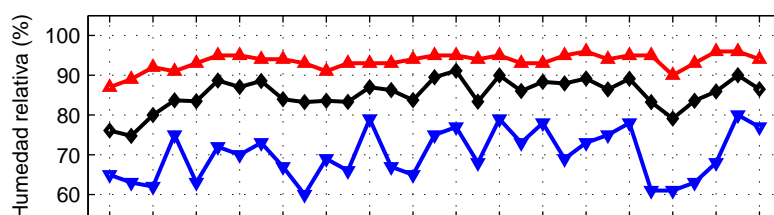
Máxima: 25.80 Media: 18.85 Mínima: 13.70



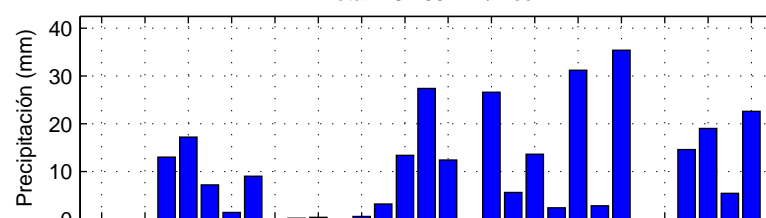
Máxima: 1135.00 Media: 214.35



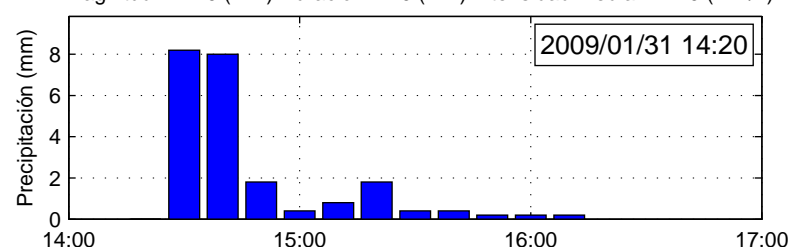
Máxima: 96.00 Media: 85.24 Mínima: 60.00



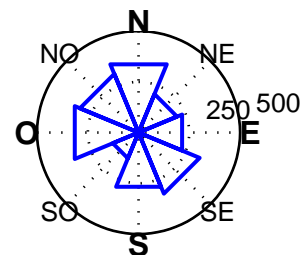
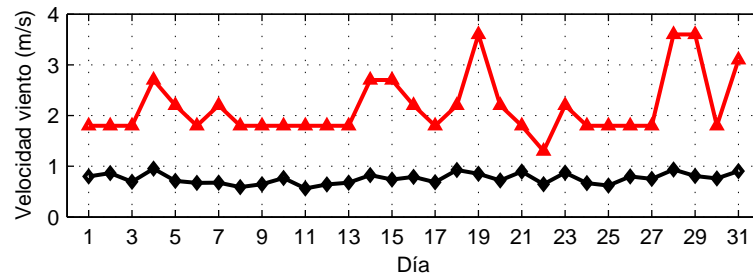
Total: 284.60 mm/mes



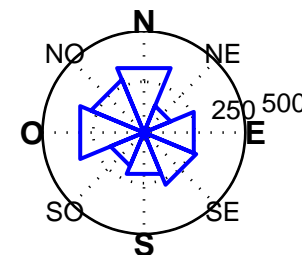
Magnitud: 22.40 (mm) Duración: 120 (min) Intensidad Media: 11.20 (mm/h)



Máxima: 3.60 Media: 0.76



Dirección del viento (Día)



Dirección del viento (Noche)



Estación: Mundo Nuevo
Fecha: Enero de 2009
Registros: 31 de 31

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	24.90	21.81	17.10	1.80	0.80	754.66	76.09	0.00	0.00	1039.00	245.84
2	25.70	22.64	17.80	1.80	0.87	753.94	74.75	0.00	0.00	848.00	278.38
3	25.80	20.93	17.30	1.80	0.70	744.95	79.98	0.00	0.00	990.00	238.00
4	22.60	19.08	16.90	2.70	0.95	756.33	83.67	13.00	0.00	431.00	176.94
5	25.10	19.37	16.40	2.20	0.71	756.79	83.44	17.20	0.00	802.00	243.94
6	22.50	18.17	16.20	1.80	0.67	757.12	88.66	7.20	0.00	509.00	176.84
7	23.20	18.62	16.20	2.20	0.68	757.00	87.04	1.40	0.00	664.00	189.51
8	22.00	17.94	16.00	1.80	0.59	757.36	88.53	9.00	0.00	543.00	187.01
9	23.80	18.95	15.60	1.80	0.64	757.48	83.99	0.00	0.00	574.00	241.91
10	25.70	19.87	16.40	1.80	0.77	756.68	83.24	0.20	0.00	904.00	277.64
11	23.80	19.84	16.60	1.80	0.56	755.86	83.56	0.40	0.00	687.00	191.34
12	23.50	19.31	16.30	1.80	0.64	756.11	83.31	0.00	0.00	757.00	213.99
13	21.30	18.61	17.00	1.80	0.68	757.22	87.00	0.60	0.00	407.00	149.35
14	24.40	18.88	16.20	2.70	0.82	757.85	86.25	3.20	0.00	859.00	225.35
15	23.30	18.77	14.90	2.70	0.74	757.96	83.74	13.40	0.00	734.00	213.46
16	21.30	17.65	15.70	2.20	0.79	759.06	89.51	27.40	0.00	472.00	182.34
17	19.90	16.67	14.90	1.80	0.68	760.52	91.15	12.40	0.00	732.00	170.02
18	23.10	18.33	13.70	2.20	0.93	760.06	83.38	0.00	0.00	794.00	277.80
19	20.60	17.42	15.30	3.60	0.85	759.55	89.93	26.60	0.00	767.00	151.48
20	22.30	18.42	15.20	2.20	0.72	759.66	86.02	5.60	0.00	409.00	188.16
21	21.10	17.94	15.10	1.80	0.90	758.89	88.34	13.60	0.00	546.00	155.23
22	24.10	18.59	15.70	1.30	0.64	759.08	87.96	2.40	0.00	778.00	221.23
23	23.20	18.12	16.50	2.20	0.88	758.91	89.18	31.20	0.00	792.00	259.79
24	22.80	18.49	15.80	1.80	0.67	757.73	86.43	2.80	0.00	1135.00	199.72
25	20.60	17.88	15.40	1.80	0.62	757.45	89.12	35.40	0.00	436.00	190.84
26	25.40	19.75	16.60	1.80	0.80	756.65	83.23	0.00	0.00	1038.00	295.75
27	25.40	19.96	15.60	1.80	0.75	756.25	79.08	0.00	0.00	1066.00	258.01
28	25.20	19.05	16.70	3.60	0.93	756.28	83.60	14.60	0.00	924.00	276.99
29	23.80	18.26	15.90	3.60	0.81	757.50	85.92	19.00	0.00	1026.00	217.29
30	20.30	17.43	14.90	1.80	0.76	759.22	89.98	5.40	0.00	481.00	183.21
31	21.40	17.61	15.90	3.10	0.90	758.76	86.48	22.60	0.00	396.00	167.48
TOTAL								284.60	0.00		
PROM	23.16	18.85	15.99	2.16	0.76	757.19	85.24			727.10	214.35

Cuadro 1: Resumen de análisis climatológico

Estación: Mundo Nuevo
Fecha: Enero de 2009
Registros: 31 de 31

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	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	1	0	0	0	0	0	1	0	1	13.00	1.00	4.17	70.00	13.00	9.75	37.20
5	1	1	0	1	0	1	2	0	3	17.20	2.00	8.33	90.00	12.00	7.20	16.80
6	0	2	0	4	3	2	1	0	6	7.20	2.33	9.72	50.00	3.60	3.60	13.20
7	0	0	1	3	2	0	1	1	4	1.40	1.00	4.17	40.00	0.80	0.96	2.40
8	0	1	1	3	1	0	3	1	5	9.00	3.67	15.28	180.00	5.40	1.71	6.00
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	1	0	1	0	0	1	0.20	0.17	0.69	20.00	0.20	0.40	1.20
11	0	0	0	2	0	0	1	1	2	0.40	0.33	1.39	20.00	0.20	0.40	1.20
12	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0	0	0	3	1	1	1	0	3	0.60	0.50	2.08	20.00	0.20	0.40	1.20
14	0	1	0	1	0	0	2	0	2	3.20	1.00	4.17	60.00	3.00	2.57	6.00
15	1	0	1	0	0	0	0	2	2	13.40	1.83	7.64	90.00	12.20	7.32	27.60
16	1	0	5	5	6	0	4	1	11	27.40	6.83	28.47	70.00	15.80	11.85	40.80
17	0	2	1	1	0	1	3	0	4	12.40	3.83	15.97	220.00	10.40	2.71	12.00
18	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0	3	1	2	2	1	2	1	6	26.60	5.67	23.61	120.00	14.80	6.83	25.20
20	0	1	0	1	0	0	1	1	2	5.60	0.83	3.47	50.00	5.40	5.40	14.40
21	1	0	0	3	0	1	3	0	4	13.60	1.67	6.94	70.00	12.80	9.60	40.80
22	0	1	0	1	0	0	0	2	2	2.40	0.50	2.08	30.00	2.20	3.30	9.60
23	1	1	2	2	4	1	1	0	6	31.20	4.83	20.14	140.00	21.00	8.40	32.40
24	0	0	1	0	0	0	0	1	1	2.80	1.00	4.17	70.00	2.80	2.10	7.20
25	0	3	0	1	2	1	1	0	4	35.40	6.83	28.47	280.00	21.00	4.34	10.80
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	1	0	0	0	0	0	1	0	1	14.60	0.83	3.47	60.00	14.60	12.51	34.80
29	1	0	2	2	0	0	3	2	5	19.00	3.33	13.89	60.00	14.20	12.17	64.80
30	0	1	0	5	3	0	3	0	6	5.40	2.33	9.72	60.00	3.60	3.09	9.60
31	1	0	0	1	0	1	1	0	2	22.60	2.00	8.33	120.00	22.40	10.34	49.20
MAX	1	3	5	5	6	2	4	2	11	35.40	6.83	28.47	280.00	22.40	12.51	64.80
TOTAL	9	17	15	42	24	11	35	13	83	284.60	54.33	7.30				

Cuadro 1: Análisis mensual de lluvias

F	Fuerte	$7.6 \text{ (mm/h)} < \text{intensidad}$
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