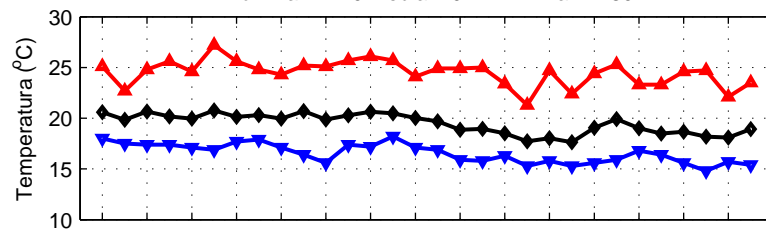


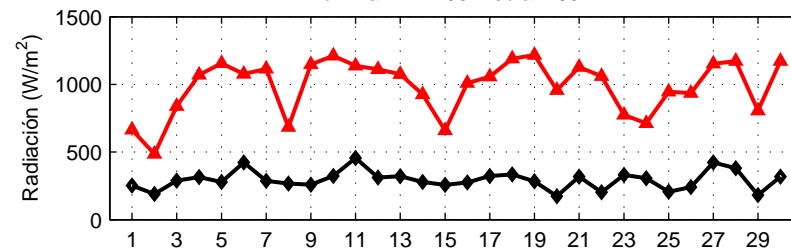
**Estación: Mundo Nuevo**  
**Fecha: Abril de 2013**  
**Registros: 30 de 30**

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>

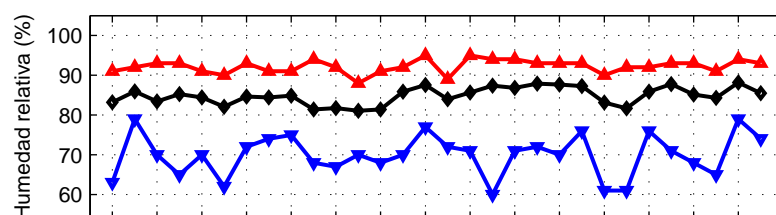
Máxima: 27.20 Media: 19.47 Mínima: 14.80



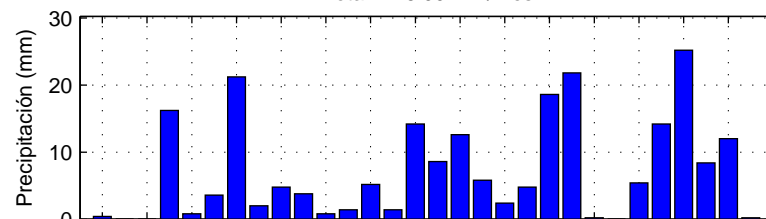
Máxima: 1217.00 Media: 293.44



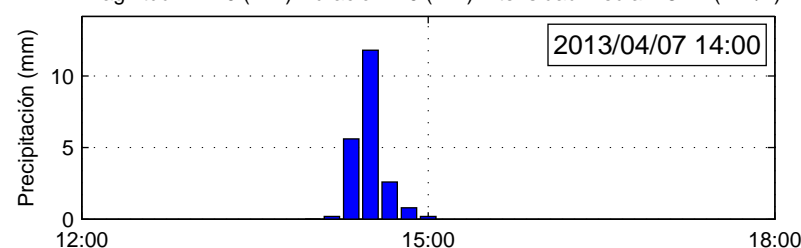
Máxima: 95.00 Media: 84.84 Mínima: 60.00



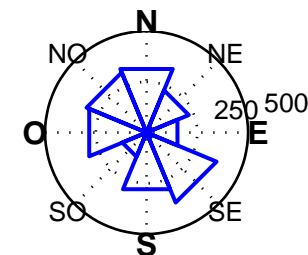
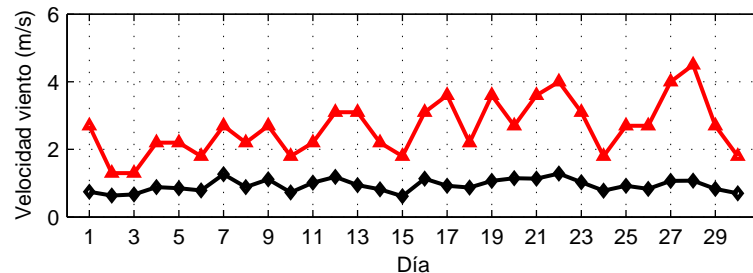
Total: 216.00 mm/mes



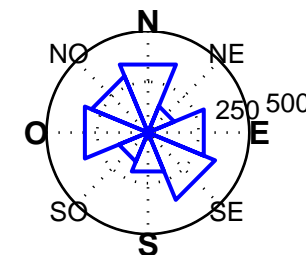
Magnitud: 21.20 (mm) Duración: 70 (min) Intensidad Media: 18.17 (mm/h)



Máxima: 4.50 Media: 0.93



Dirección del viento (Día)



Dirección del viento (Noche)



**Estación: Mundo Nuevo**  
**Fecha: Abril de 2013**  
**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](http://www.utp.edu.co/hidroclimatologica)

Día	Temperatura (°C)			Vel. Viento (m/s)		Presión (mmHg)	Humedad (%)	Precipitación (mm)	Evap (mm)	Radiación solar (W/m <sup>2</sup> )	
	Máx	Media	Mín	Máx	Media	Media	Media	Total	Total	Máx	Media
1	25.10	20.60	18.00	2.70	0.75	790.78	83.18	0.40	2.11	665.00	253.00
2	22.70	19.86	17.50	1.30	0.63	681.36	85.95	0.00	1.59	485.00	189.58
3	24.80	20.66	17.40	1.30	0.67	782.09	83.42	0.00	2.37	839.00	288.21
4	25.60	20.18	17.40	2.20	0.88	732.33	85.25	16.20	2.57	1071.00	314.63
5	24.60	19.95	17.10	2.20	0.85	678.84	84.39	0.80	2.41	1156.00	278.53
6	27.20	20.76	16.90	1.80	0.79	725.02	82.08	3.60	3.43	1077.00	422.86
7	25.60	20.12	17.70	2.70	1.26	708.24	84.62	21.20	2.56	1114.00	286.47
8	24.80	20.31	17.90	2.20	0.88	716.12	84.41	2.00	2.36	685.00	267.78
9	24.30	19.95	17.10	2.70	1.12	713.52	84.88	4.80	2.14	1147.00	259.10
10	25.20	20.71	16.40	1.80	0.73	655.21	81.39	3.80	2.81	1212.00	323.42
11	25.10	19.86	15.60	2.20	1.01	694.21	81.76	0.80	3.66	1137.00	455.93
12	25.70	20.28	17.40	3.10	1.19	636.59	81.08	1.40	2.84	1112.00	310.86
13	26.10	20.64	17.20	3.10	0.95	664.57	81.42	5.20	2.78	1076.00	320.90
14	25.70	20.49	18.20	2.20	0.82	707.04	85.85	1.40	2.18	926.00	278.77
15	24.10	20.02	17.10	1.80	0.62	722.04	87.54	14.20	2.02	660.00	256.78
16	24.90	19.69	16.90	3.10	1.14	683.39	83.97	8.60	2.45	1009.00	275.47
17	24.90	18.87	15.90	3.60	0.92	721.12	85.63	12.60	2.16	1057.00	322.02
18	25.00	18.95	15.80	2.20	0.87	704.01	87.38	5.80	2.51	1190.00	334.15
19	23.40	18.51	16.30	3.60	1.07	680.82	86.79	2.40	2.19	1217.00	283.91
20	21.30	17.72	15.30	2.70	1.14	717.55	87.85	4.80	1.42	957.00	173.93
21	24.70	18.04	15.80	3.60	1.13	694.77	87.67	18.60	2.48	1128.00	318.24
22	22.40	17.63	15.30	4.00	1.28	641.66	87.28	21.80	1.71	1061.00	202.63
23	24.40	19.06	15.60	3.10	1.03	703.57	83.10	0.20	2.77	774.00	330.96
24	25.30	19.92	15.90	1.80	0.78	673.16	81.66	0.00	2.63	712.00	305.99
25	23.30	19.02	16.80	2.70	0.92	626.28	85.89	5.40	1.77	945.00	206.13
26	23.30	18.50	16.40	2.70	0.83	691.63	87.74	14.20	1.79	936.00	239.93
27	24.60	18.67	15.60	4.00	1.07	682.24	85.13	25.20	3.19	1152.00	423.04
28	24.70	18.17	14.80	4.50	1.07	680.55	84.32	8.40	3.12	1172.00	380.27
29	22.10	18.10	15.70	2.70	0.83	697.03	88.17	12.00	1.49	806.00	181.76
30	23.50	18.93	15.40	1.80	0.70	707.89	85.45	0.20	2.59	1173.00	317.91
TOTAL								216.00	72.10		
PROM	24.48	19.47	16.55	2.65	0.93	697.12	84.84			988.37	293.44

Cuadro 1: Resumen de análisis climatológico

**Estación: Mundo Nuevo**  
**Fecha: Abril de 2013**  
**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](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	0	0	1	0	0	1	0	1	0.40	0.33	1.39	40.00	0.40	0.48	1.20
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	1	0	0	1	0	1	0	2	16.20	1.83	7.64	60.00	9.80	8.40	24.00
5	0	0	1	0	0	0	1	0	1	0.80	0.33	1.39	30.00	0.80	1.20	3.60
6	0	1	0	0	0	0	1	0	1	3.60	0.50	2.08	40.00	3.60	4.32	13.20
7	1	0	0	0	0	0	1	0	1	21.20	1.00	4.17	70.00	21.20	15.90	70.80
8	0	0	1	0	0	0	0	1	1	2.00	1.17	4.86	90.00	2.00	1.20	3.60
9	0	1	1	0	0	0	2	0	2	4.80	1.17	4.86	50.00	3.80	3.80	12.00
10	0	1	0	1	0	0	0	2	2	3.80	1.17	4.86	60.00	3.40	2.91	8.40
11	0	0	1	0	1	0	0	0	1	0.80	0.33	1.39	20.00	0.80	1.60	3.60
12	0	0	1	1	0	0	2	0	2	1.40	0.67	2.78	40.00	1.20	1.44	2.40
13	0	1	0	1	0	0	2	0	2	5.20	0.83	3.47	50.00	5.00	5.00	12.00
14	0	0	1	0	0	0	1	0	1	1.40	0.50	2.08	40.00	1.40	1.68	4.80
15	0	2	0	3	3	1	1	0	5	14.20	2.33	9.72	100.00	10.60	5.78	27.60
16	1	0	0	2	0	0	2	1	3	8.60	1.00	4.17	50.00	8.20	8.20	24.00
17	0	1	0	2	0	0	3	0	3	12.60	4.17	17.36	220.00	11.40	2.97	13.20
18	0	1	1	0	1	0	1	0	2	5.80	1.67	6.94	70.00	4.60	3.45	10.80
19	0	0	1	2	1	0	1	1	3	2.40	1.50	6.25	110.00	2.00	1.00	3.60
20	0	0	1	0	0	0	0	1	1	4.80	1.83	7.64	120.00	4.80	2.22	9.60
21	1	1	0	3	2	0	2	1	5	18.60	2.50	10.42	90.00	12.00	7.20	19.20
22	1	1	0	1	2	0	1	0	3	21.80	2.67	11.11	70.00	17.20	12.90	51.60
23	0	0	0	1	0	0	1	0	1	0.20	0.17	0.69	20.00	0.20	0.40	1.20
24	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0	0	2	0	0	0	2	0	2	5.40	1.83	7.64	130.00	5.00	2.14	6.00
26	1	1	0	2	0	0	3	1	4	14.20	2.17	9.03	80.00	10.60	7.07	16.80
27	1	1	0	0	0	0	1	1	2	25.20	3.33	13.89	110.00	18.60	9.30	28.80
28	0	1	0	0	0	0	1	0	1	8.40	1.00	4.17	70.00	8.40	6.30	22.80
29	0	2	0	2	0	0	2	2	4	12.00	3.17	13.19	130.00	6.60	2.83	9.60
30	0	0	0	1	1	0	0	0	1	0.20	0.17	0.69	20.00	0.20	0.40	1.20
MAX	1	2	2	3	3	1	3	2	5	25.20	4.17	17.36	220.00	21.20	15.90	70.80
TOTAL	7	16	11	23	12	1	33	11	57	216.00	39.33	5.46				

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