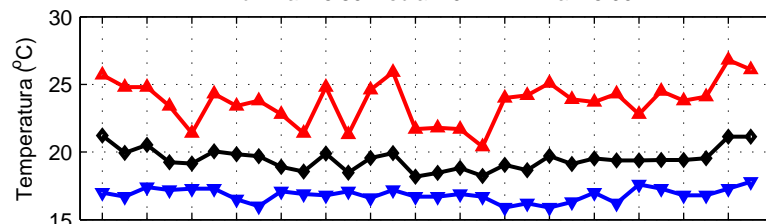


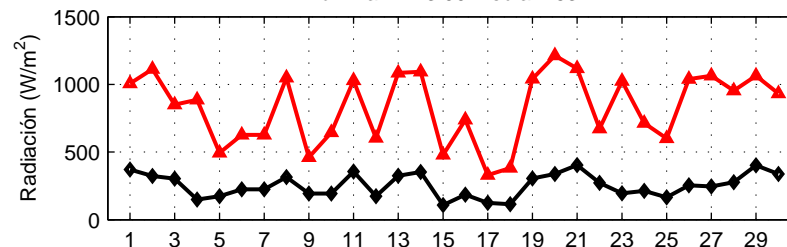
**Estación: Mundo Nuevo**  
**Fecha: Abril de 2011**  
**Registros: 30 de 30**

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>

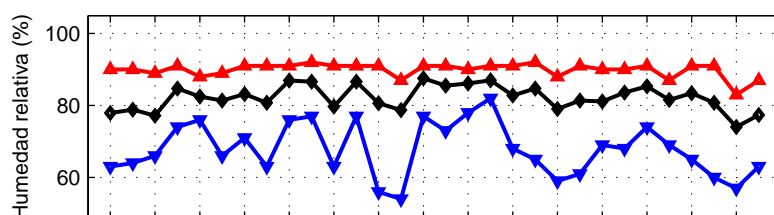
Máxima: 26.80 Media: 19.47 Mínima: 15.90



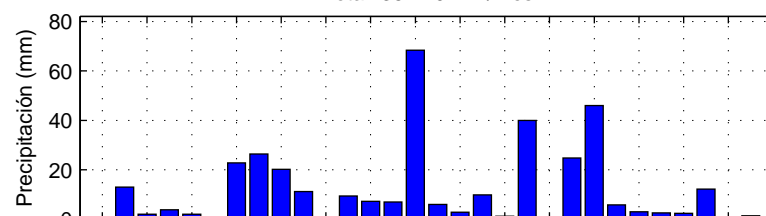
Máxima: 1213.00 Media: 253.71



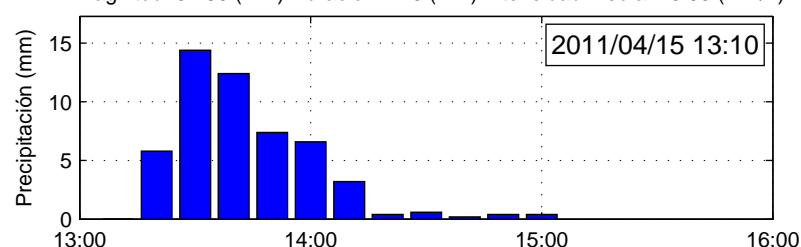
Máxima: 92.00 Media: 82.23 Mínima: 54.00



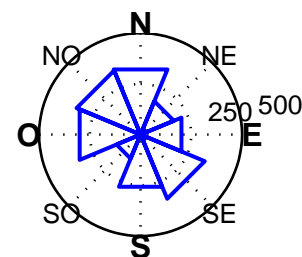
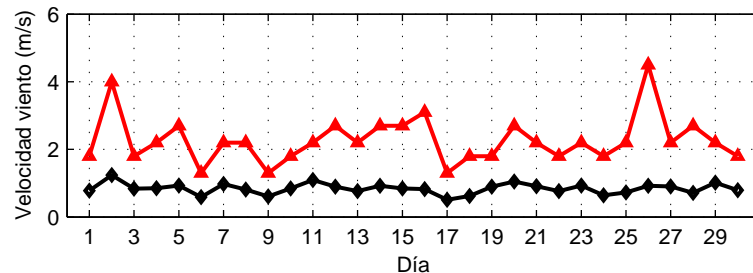
Total: 354.20 mm/mes



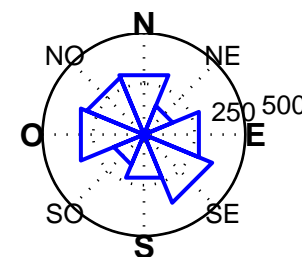
Magnitud: 51.80 (mm) Duración: 120 (min) Intensidad Media: 25.90 (mm/h)



Máxima: 4.50 Media: 0.84



Dirección del viento (Día)



Dirección del viento (Noche)



**Estación: Mundo Nuevo**  
**Fecha: Abril de 2011**  
**Registros: 30 de 30**

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	25.70	21.22	17.00	1.80	0.78	653.09	77.93	0.40	0.00	1007.00	370.54
2	24.80	19.93	16.70	4.00	1.24	651.70	78.85	13.00	0.00	1113.00	323.40
3	24.80	20.53	17.40	1.80	0.84	669.30	77.17	2.00	0.00	851.00	302.33
4	23.40	19.24	17.20	2.20	0.85	658.76	84.69	3.80	0.00	886.00	148.75
5	21.40	19.15	17.30	2.70	0.93	640.20	82.46	2.00	0.00	493.00	173.92
6	24.30	20.06	17.30	1.30	0.59	654.94	81.35	1.00	0.00	627.00	225.04
7	23.40	19.83	16.50	2.20	0.98	638.43	83.18	22.80	0.00	627.00	224.07
8	23.80	19.68	16.00	2.20	0.81	640.00	80.78	26.40	0.00	1049.00	314.51
9	22.80	18.91	17.10	1.30	0.61	625.72	86.92	20.20	0.00	461.00	193.46
10	21.40	18.56	16.90	1.80	0.85	642.40	86.65	11.20	0.00	645.00	193.46
11	24.80	19.88	16.80	2.20	1.10	681.67	79.72	0.60	0.00	1029.00	355.79
12	21.30	18.48	17.10	2.70	0.89	656.76	86.61	9.40	0.00	603.00	173.32
13	24.60	19.55	16.60	2.20	0.77	673.39	80.66	7.20	0.00	1085.00	324.82
14	25.90	19.92	17.20	2.70	0.92	642.17	78.74	7.00	0.00	1093.00	353.13
15	21.70	18.17	16.70	2.70	0.84	665.49	87.56	68.40	0.00	479.00	107.31
16	21.80	18.46	16.70	3.10	0.83	650.64	85.49	6.00	0.00	738.00	185.15
17	21.70	18.81	16.90	1.30	0.51	644.00	86.15	2.80	0.00	330.00	123.85
18	20.40	18.23	16.70	1.80	0.62	640.60	87.01	9.80	0.00	382.00	114.85
19	24.00	19.05	15.90	1.80	0.90	659.50	82.81	1.20	0.00	1040.00	304.44
20	24.20	18.66	16.20	2.70	1.05	650.88	84.68	40.00	0.00	1213.00	337.07
21	25.10	19.71	15.90	2.20	0.91	651.61	78.99	0.60	0.00	1118.00	403.22
22	23.90	19.11	16.30	1.80	0.77	635.84	81.35	24.80	0.00	672.00	271.36
23	23.70	19.53	17.00	2.20	0.93	652.59	81.10	46.00	0.00	1024.00	194.99
24	24.30	19.38	16.20	1.80	0.64	639.11	83.57	5.80	0.00	714.00	211.94
25	22.80	19.37	17.60	2.20	0.73	609.75	85.35	3.00	0.00	600.00	164.48
26	24.50	19.41	17.30	4.50	0.92	666.93	81.56	2.60	0.00	1039.00	254.13
27	23.80	19.41	16.80	2.20	0.90	663.67	83.39	2.40	0.00	1064.00	245.11
28	24.10	19.54	16.80	2.70	0.71	669.71	80.73	12.20	0.00	953.00	277.28
29	26.80	21.14	17.30	2.20	1.01	657.51	74.01	0.20	0.00	1063.00	401.50
30	26.10	21.13	17.80	1.80	0.79	679.66	77.37	1.40	0.00	932.00	338.19
TOTAL								354.20	0.00		
PROM	23.71	19.47	16.84	2.27	0.84	652.20	82.23			831.00	253.71

Cuadro 1: Resumen de análisis climatológico

**Estación: Mundo Nuevo**  
**Fecha: Abril de 2011**  
**Registros: 30 de 30**

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	0	1	1	0.40	0.33	1.39	30.00	0.40	0.60	1.20
2	1	0	0	1	1	0	1	0	2	13.00	1.67	6.94	90.00	12.60	7.56	25.20
3	0	0	1	2	0	0	2	1	3	2.00	1.00	4.17	50.00	1.60	1.60	3.60
4	0	0	1	2	2	0	1	0	3	3.80	1.67	6.94	90.00	3.20	1.92	8.40
5	0	0	1	4	0	2	1	2	5	2.00	1.33	5.56	40.00	1.00	1.20	2.40
6	0	0	0	2	0	0	1	1	2	1.00	0.67	2.78	60.00	0.80	0.69	2.40
7	0	1	1	0	1	0	1	0	2	22.80	3.67	15.28	210.00	21.60	5.89	37.20
8	0	3	0	1	2	0	0	2	4	26.40	4.00	16.67	150.00	13.00	4.88	32.40
9	0	1	5	1	1	0	3	3	7	20.20	5.67	23.61	140.00	13.20	5.28	13.20
10	0	0	1	2	2	1	0	0	3	11.20	4.83	20.14	300.00	10.40	2.01	7.20
11	0	0	0	2	0	0	0	2	2	0.60	0.50	2.08	30.00	0.40	0.60	1.20
12	0	1	2	2	2	0	3	0	5	9.40	3.17	13.19	80.00	6.20	4.13	18.00
13	0	0	2	1	3	0	0	0	3	7.20	4.00	16.67	260.00	6.60	1.47	2.40
14	0	1	1	1	0	0	2	1	3	7.00	1.50	6.25	60.00	4.80	4.11	16.80
15	2	0	2	3	2	2	3	0	7	68.40	4.83	20.14	120.00	51.80	23.91	86.40
16	0	0	2	0	1	0	1	0	2	6.00	2.50	10.42	120.00	3.60	1.66	6.00
17	0	0	1	2	0	2	1	0	3	2.80	2.00	8.33	130.00	2.20	0.94	2.40
18	0	1	4	4	0	2	3	4	9	9.80	4.17	17.36	50.00	3.00	3.00	10.80
19	0	0	0	3	1	0	0	2	3	1.20	0.83	3.47	50.00	0.80	0.80	2.40
20	1	2	1	5	5	0	3	1	9	40.00	6.33	26.39	150.00	29.20	10.95	49.20
21	0	0	1	1	1	0	0	1	2	0.60	0.33	1.39	20.00	0.40	0.80	2.40
22	0	1	0	1	2	0	0	0	2	24.80	4.33	18.06	270.00	24.60	5.27	33.60
23	1	0	0	1	0	0	0	2	2	46.00	1.67	6.94	100.00	45.80	24.98	70.80
24	0	1	0	0	0	0	1	0	1	5.80	0.67	2.78	50.00	5.80	5.80	24.00
25	0	0	2	1	0	1	1	1	3	3.00	2.00	8.33	60.00	1.40	1.20	2.40
26	0	0	1	1	0	0	2	0	2	2.60	1.17	4.86	90.00	2.40	1.44	3.60
27	0	0	1	3	2	0	2	0	4	2.40	1.33	5.56	30.00	1.20	1.80	6.00
28	1	0	0	2	1	1	1	0	3	12.20	1.67	6.94	90.00	11.80	7.08	22.80
29	0	0	0	1	0	1	0	0	1	0.20	0.17	0.69	20.00	0.20	0.40	1.20
30	0	0	1	0	0	1	0	0	1	1.40	0.67	2.78	50.00	1.40	1.40	4.80
MAX	2	3	5	5	5	2	3	4	9	68.40	6.33	26.39	300.00	51.80	24.98	86.40
TOTAL	6	12	31	50	29	13	33	24	99	354.20	68.67	9.54				

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