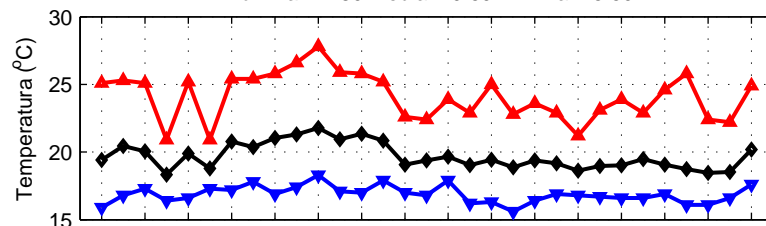


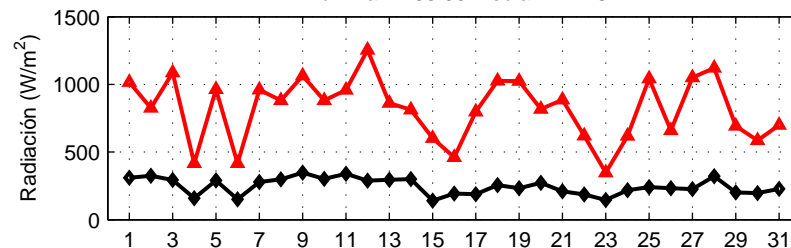
**Estación: Mundo Nuevo**  
**Fecha: Octubre de 2010**  
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Reporte climatológico mensual  
Red Hidroclimatológica del Departamento de Risaralda  
Revisó: Adm. Ambiental Víctor Manuel Bermúdez Marín. Operador REDH  
Aprobó: Ing Ph.D. Juan Mauricio Castaño Rojas. Director REDH.  
Contáctenos: <http://www.utp.edu.co/hidroclimatologica>

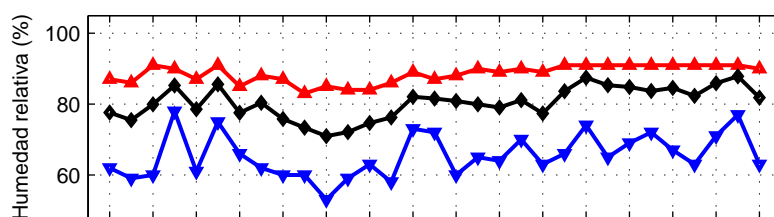
Máxima: 27.80 Media: 19.69 Mínima: 15.60



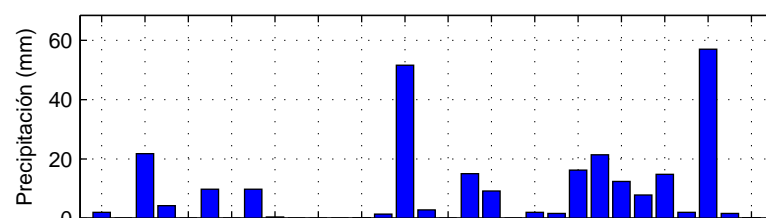
Máxima: 1255.00 Media: 247.18



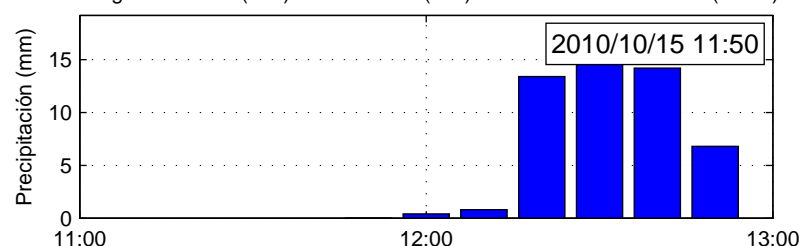
Máxima: 91.00 Media: 80.40 Mínima: 53.00



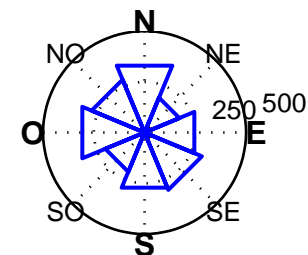
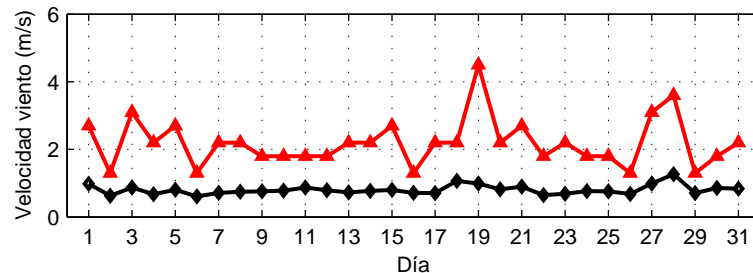
Total: 265.20 mm/mes



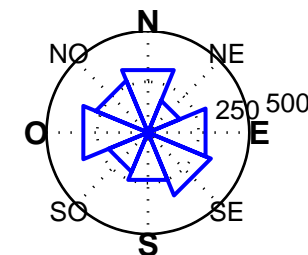
Magnitud: 51.60 (mm) Duración: 70 (min) Intensidad Media: 44.23 (mm/h)



Máxima: 4.50 Media: 0.80



Dirección del viento (Día)



Dirección del viento (Noche)



**Estación: Mundo Nuevo**  
**Fecha: Octubre de 2010**  
**Registros: 31 de 31**

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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	19.40	15.90	2.70	0.98	698.06	77.58	2.00	0.00	1016.00	309.38
2	25.30	20.45	16.80	1.30	0.63	696.49	75.44	0.00	0.00	826.00	324.96
3	25.10	20.05	17.30	3.10	0.87	672.75	79.90	21.80	0.00	1087.00	293.96
4	20.90	18.33	16.40	2.20	0.67	683.19	85.25	4.20	0.00	416.00	158.58
5	25.20	19.88	16.60	2.70	0.81	686.94	78.57	0.00	0.00	964.00	290.35
6	20.90	18.79	17.30	1.30	0.61	671.24	85.59	9.80	0.00	417.00	150.93
7	25.40	20.77	17.20	2.20	0.71	675.35	77.53	0.00	0.00	960.00	278.24
8	25.40	20.37	17.80	2.20	0.74	679.42	80.36	9.80	0.00	881.00	298.16
9	25.80	21.04	16.90	1.80	0.76	669.20	75.76	0.40	0.00	1063.00	346.83
10	26.60	21.30	17.40	1.80	0.78	701.15	73.36	0.00	0.00	881.00	300.87
11	27.80	21.77	18.30	1.80	0.87	675.63	70.97	0.00	0.00	958.00	339.68
12	25.90	20.94	17.10	1.80	0.79	670.68	72.10	0.00	0.00	1255.00	288.19
13	25.80	21.35	17.00	2.20	0.72	686.11	74.64	0.20	0.00	861.00	294.28
14	25.20	20.84	17.90	2.20	0.77	669.68	76.23	1.40	0.00	813.00	299.13
15	22.60	19.06	17.00	2.70	0.80	686.32	82.06	51.60	0.00	602.00	141.28
16	22.40	19.38	16.80	1.30	0.72	702.83	81.53	2.80	0.00	461.00	193.58
17	23.90	19.66	17.90	2.20	0.71	701.78	80.87	0.00	0.00	798.00	188.10
18	22.90	19.03	16.20	2.20	1.07	694.17	79.92	15.00	0.00	1026.00	255.60
19	25.00	19.44	16.30	4.50	0.99	687.65	79.06	9.20	0.00	1024.00	233.04
20	22.80	18.87	15.60	2.20	0.82	683.20	81.12	0.00	0.00	818.00	271.49
21	23.60	19.37	16.40	2.70	0.90	693.31	77.34	2.00	0.00	886.00	208.85
22	22.90	19.17	16.90	1.80	0.64	667.75	83.62	1.60	0.00	621.00	186.91
23	21.20	18.62	16.80	2.20	0.69	674.29	87.44	16.20	0.00	347.00	146.13
24	23.10	18.97	16.70	1.80	0.76	680.02	85.35	21.40	0.00	618.00	217.41
25	23.90	19.01	16.60	1.80	0.76	667.88	84.80	12.40	0.00	1042.00	239.89
26	22.90	19.48	16.60	1.30	0.68	674.66	83.71	7.80	0.00	659.00	232.11
27	24.60	19.07	16.90	3.10	0.99	671.37	84.56	14.80	0.00	1050.00	225.40
28	25.80	18.73	16.10	3.60	1.26	684.31	82.31	2.00	0.00	1122.00	321.97
29	22.40	18.46	16.10	1.30	0.70	688.62	85.88	57.00	0.00	693.00	201.77
30	22.20	18.53	16.60	1.80	0.86	667.51	87.81	1.60	0.00	586.00	197.04
31	24.90	20.19	17.60	2.20	0.84	660.67	81.81	0.20	0.00	699.00	228.37
TOTAL								265.20	0.00		
PROM	24.11	19.69	16.87	2.19	0.80	681.36	80.40			820.97	247.18

Cuadro 1: Resumen de análisis climatológico

**Estación: Mundo Nuevo**  
**Fecha: Octubre de 2010**  
**Registros: 31 de 31**

Red Hidroclimatológica del Departamento de Risaralda  
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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	1	0	2	0	0	2	1	3	2.00	0.83	3.47	20.00	1.20	2.40	7.20
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	1	1	0	1	1	0	1	1	3	21.80	3.33	13.89	140.00	17.80	7.12	25.20
4	0	0	2	1	1	0	2	0	3	4.20	2.67	11.11	120.00	2.60	1.20	3.60
5	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0	3	4	4	2	1	0	7	9.80	4.83	20.14	230.00	6.60	1.65	6.00
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	2	2	0	1	0	3	0	4	9.80	2.00	8.33	50.00	5.60	5.60	15.60
9	0	0	1	0	1	0	0	0	1	0.40	0.17	0.69	20.00	0.40	0.80	2.40
10	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	1	0	0	0	1	1	0.20	0.17	0.69	20.00	0.20	0.40	1.20
14	0	1	0	0	0	0	1	0	1	1.40	0.33	1.39	30.00	1.40	2.10	4.80
15	1	0	0	0	0	1	0	0	1	51.60	1.00	4.17	70.00	51.60	38.70	96.00
16	0	1	0	0	0	0	1	0	1	2.80	0.33	1.39	30.00	2.80	4.20	12.00
17	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0	1	0	2	1	0	2	0	3	15.00	2.17	9.03	130.00	14.60	6.26	19.20
19	0	2	0	0	0	0	1	1	2	9.20	2.00	8.33	70.00	5.20	3.90	9.60
20	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0	0	2	0	0	0	1	1	2	2.00	0.67	2.78	40.00	1.60	1.92	6.00
22	0	0	0	5	3	0	1	0	5	1.60	1.33	5.56	70.00	0.80	0.60	1.20
23	0	2	3	4	4	2	2	1	9	16.20	4.33	18.06	160.00	10.40	3.67	12.00
24	1	1	2	0	1	0	2	1	4	21.40	4.00	16.67	70.00	10.80	8.10	28.80
25	0	1	4	1	2	1	1	2	6	12.40	3.50	14.58	50.00	5.20	5.20	14.40
26	0	1	1	1	2	0	1	0	3	7.80	1.33	5.56	80.00	7.20	4.80	14.40
27	0	2	2	1	1	1	2	1	5	14.80	4.00	16.67	110.00	5.60	2.80	13.20
28	0	0	2	1	0	0	1	2	3	2.00	1.00	4.17	60.00	1.20	1.03	3.60
29	1	2	0	3	3	1	1	1	6	57.00	6.17	25.69	220.00	41.40	10.80	52.80
30	0	0	0	4	1	3	0	0	4	1.60	1.17	4.86	60.00	1.00	0.86	2.40
31	0	0	0	1	0	0	0	1	1	0.20	0.17	0.69	20.00	0.20	0.40	1.20
MAX	1	2	4	5	4	3	3	2	9	57.00	6.17	25.69	230.00	51.60	38.70	96.00
TOTAL	4	18	24	32	26	11	26	14	78	265.20	47.50	6.38				

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