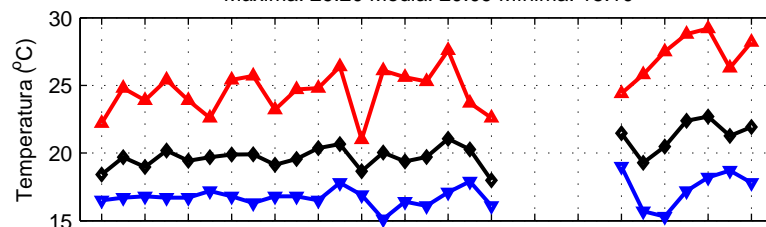


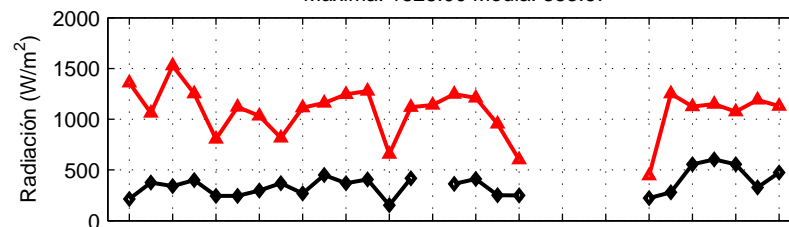
**Estación: UTP**  
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Reporte climatológico mensual  
Red Hidroclimatológica del Departamento de Risaralda  
Revisó: Adm. Ambiental Víctor Manuel Bermúdez Marín. Operador REDH  
Aprobó: Ph.D. Juan Mauricio Castaño Rojas. Director REDH.  
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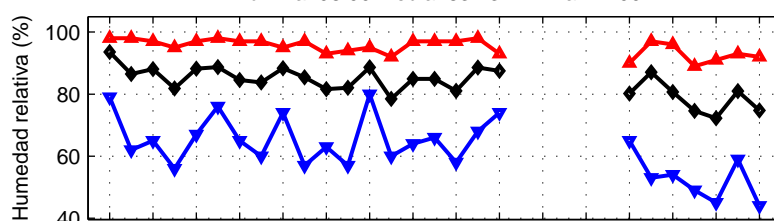
Máxima: 29.20 Media: 20.09 Mínima: 15.10



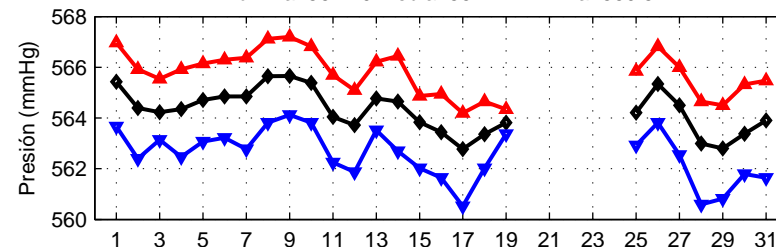
Máxima: 1528.00 Media: 353.67



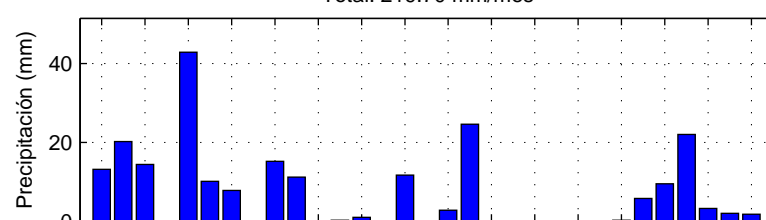
Máxima: 98.00 Media: 83.73 Mínima: 44.00



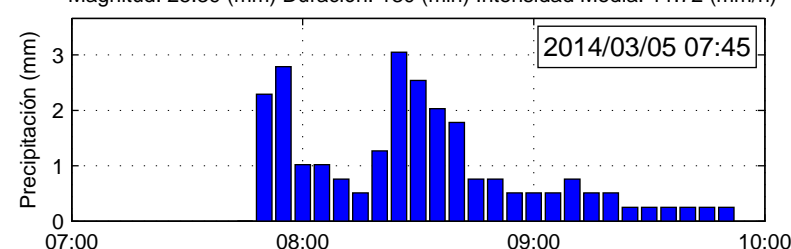
Máxima: 567.20 Media: 564.27 Mínima: 560.52



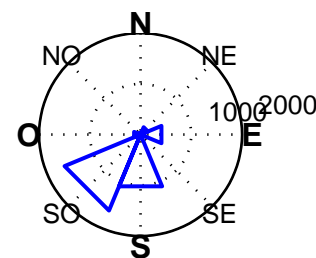
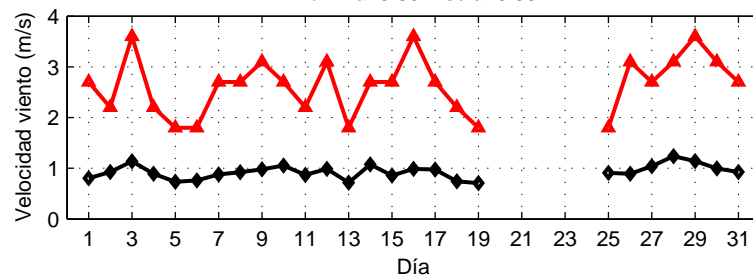
Total: 219.70 mm/mes



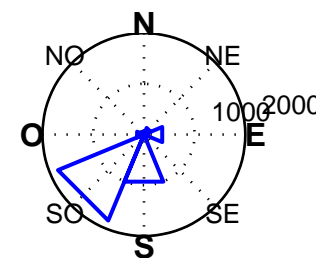
Magnitud: 25.39 (mm) Duración: 130 (min) Intensidad Media: 11.72 (mm/h)



Máxima: 3.60 Media: 0.93



Dirección del viento (Día)



Dirección del viento (Noche)



**Estación: UTP**  
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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	22.20	18.41	16.50	2.70	0.81	565.43	93.59	13.16	1.53	1360.00	213.56
2	24.80	19.70	16.70	2.20	0.93	564.39	86.48	20.19	2.95	1061.00	375.88
3	23.90	18.97	16.80	3.60	1.14	564.23	88.08	14.41	2.61	1528.00	341.30
4	25.40	20.18	16.70	2.20	0.89	564.35	81.85	0.00	3.13	1252.00	400.42
5	23.90	19.43	16.70	1.80	0.73	564.71	88.23	42.87	1.75	806.00	244.88
6	22.60	19.69	17.20	1.80	0.76	564.85	88.74	10.12	1.80	1120.00	244.22
7	25.40	19.88	16.80	2.70	0.88	564.85	84.58	7.80	2.39	1033.00	297.66
8	25.70	19.90	16.30	2.70	0.92	565.65	83.77	0.00	2.89	817.00	369.29
9	23.20	19.13	16.80	3.10	0.98	565.66	88.32	15.18	2.06	1114.00	268.84
10	24.70	19.56	16.80	2.70	1.05	565.38	85.43	11.16	3.41	1160.00	449.36
11	24.80	20.37	16.50	2.20	0.87	564.04	81.63	0.00	2.92	1245.00	369.85
12	26.40	20.66	17.80	3.10	0.99	563.72	82.06	0.25	3.19	1279.00	405.85
13	21.00	18.65	16.90	1.80	0.72	564.78	88.63	1.00	1.16	656.00	151.91
14	26.10	20.03	15.10	2.70	1.08	564.65	78.45	0.00	3.44	1119.00	416.85
15	25.60	19.37	16.40	2.70	0.86	563.83	84.90	11.67	2.29	1141.00	
16	25.30	19.70	16.10	3.60	0.99	563.44	84.89	0.00	2.71	1247.00	363.08
17	27.60	21.06	17.10	2.70	0.98	562.78	81.04	2.78	3.84	1210.00	411.61
18	23.70	20.26	17.90	2.20	0.74	563.36	88.54	24.59	1.90	955.00	250.51
19	22.60	17.98	16.10	1.80	0.71	563.81	87.50	0.00	0.30	602.00	247.70
20											
21											
22											
23											
24											
25	24.40	21.47	19.00	1.80	0.91	564.21	80.15	0.25	1.01	444.00	223.18
26	25.80	19.28	15.70	3.10	0.89	565.34	87.03	5.77	2.14	1253.00	279.19
27	27.50	20.48	15.30	2.70	1.04	564.50	80.66	9.50	4.50	1125.00	555.94
28	28.80	22.38	17.20	3.10	1.24	562.99	74.57	22.00	5.38	1148.00	602.90
29	29.20	22.70	18.20	3.60	1.14	562.80	72.20	3.25	5.00	1074.00	555.66
30	26.30	21.27	18.70	3.10	1.00	563.38	80.94	2.00	2.90	1190.00	327.65
31	28.20	21.92	17.80	2.70	0.93	563.91	74.73	1.75	3.99	1129.00	474.43
TOTAL								219.70	71.19		
PROM	25.20	20.09	16.89	2.63	0.93	564.27	83.73			1079.54	353.67

Cuadro 1: Resumen de análisis climatológico

**Estación: UTP**  
**Fecha: Marzo de 2014**  
**Registros: 26 de 31**

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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	2	0	1	0	1	1	3	13.16	3.33	13.89	110.00	7.60	3.80	16.74
2	0	0	1	0	1	0	0	0	1	20.19	9.50	39.58	660.00	20.19	1.81	6.12
3	0	2	2	1	1	2	1	1	5	14.41	4.83	20.14	90.00	5.33	3.20	10.68
4	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0	2	1	1	1	2	0	1	4	42.87	8.67	36.11	260.00	25.39	5.64	18.30
6	0	0	3	1	2	1	1	0	4	10.12	3.50	14.58	230.00	6.83	1.71	9.12
7	0	0	1	0	0	0	0	1	1	7.80	4.17	17.36	380.00	7.80	1.20	4.56
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	1	1	1	0	0	1	2	3	15.18	4.17	17.36	120.00	10.40	4.80	19.80
10	0	1	0	0	1	0	0	0	1	11.16	1.83	7.64	140.00	11.16	4.46	15.24
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	1	0	0	1	0	1	0.25	0.17	0.69	20.00	0.25	0.50	1.50
13	0	0	1	1	0	1	1	0	2	1.00	0.67	2.78	40.00	0.75	0.90	1.50
14	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0	1	0	1	0	0	1	1	2	11.67	1.83	7.64	140.00	11.42	4.57	18.30
16	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0	0	1	1	0	0	0	2	2	2.78	1.33	5.56	120.00	2.53	1.17	3.06
18	1	0	0	2	1	1	1	0	3	24.59	4.17	17.36	160.00	21.33	7.53	36.60
19	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20																
21																
22																
23																
24																
25	0	0	0	1	0	0	0	1	1	0.25	0.17	0.69	20.00	0.25	0.50	1.50
26	0	0	1	12	6	4	3	0	13	5.77	3.33	13.89	150.00	2.77	1.04	6.12
27	0	0	1	6	1	1	3	2	7	9.50	6.33	26.39	600.00	6.25	0.61	1.50
28	0	0	0	15	1	0	7	6	15	22.00	14.67	61.11	1620.00	17.75	0.65	1.50
29	0	0	0	13	5	3	3	2	13	3.25	2.17	9.03	20.00	0.25	0.50	1.50
30	0	0	0	8	2	2	2	2	8	2.00	1.33	5.56	20.00	0.25	0.50	1.50
31	0	0	0	7	1	3	2	1	7	1.75	1.17	4.86	20.00	0.25	0.50	1.50
MAX	1	2	3	15	6	4	7	6	15	42.87	14.67	61.11	1620.00	25.39	7.53	36.60
TOTAL	1	8	15	72	24	20	28	23	96	219.70	77.33	10.39				

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