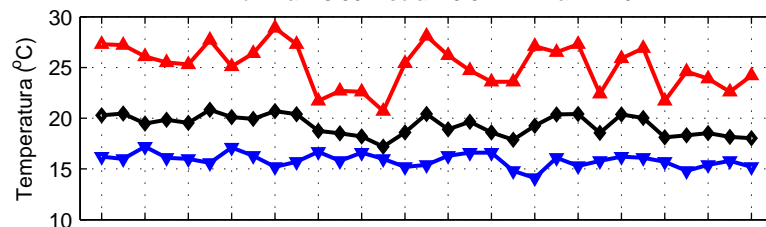


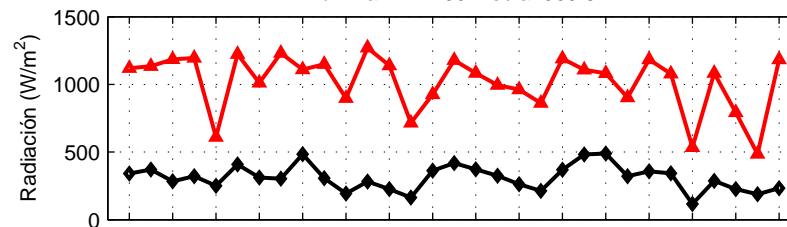
Estación: Acuaseo
Fecha: Octubre de 2009
Registros: 31 de 31

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: <http://www.utp.edu.co/hidroclimatologica>

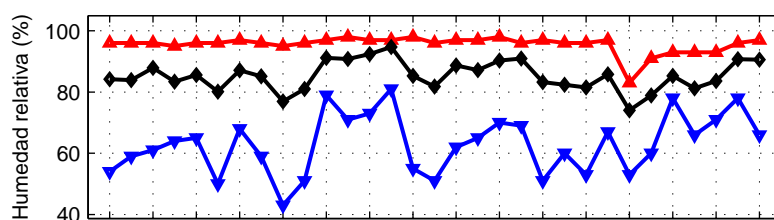
Máxima: 28.90 Media: 19.31 Mínima: 14.10



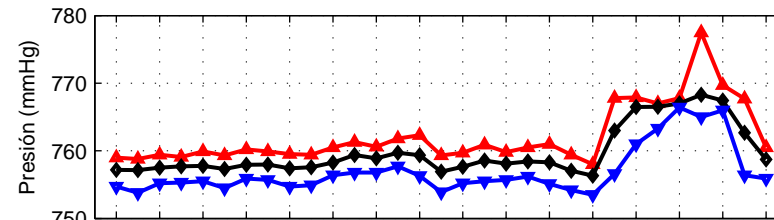
Máxima: 1271.00 Media: 309.81



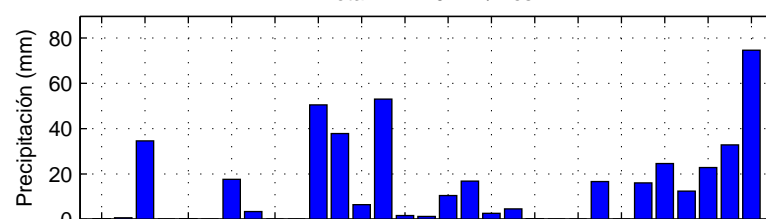
Máxima: 98.00 Media: 85.35 Mínima: 43.00



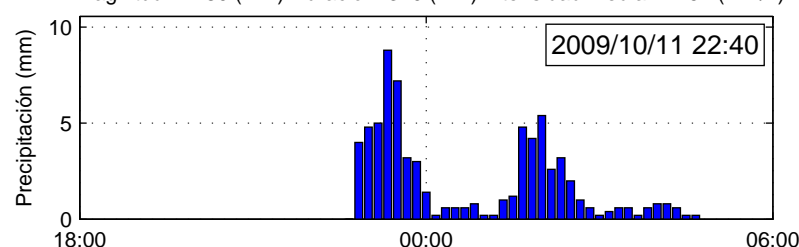
Máxima: 777.50 Media: 759.76 Mínima: 753.50



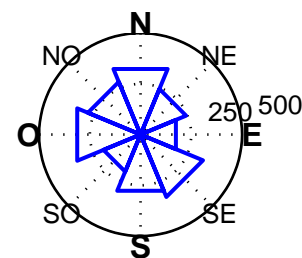
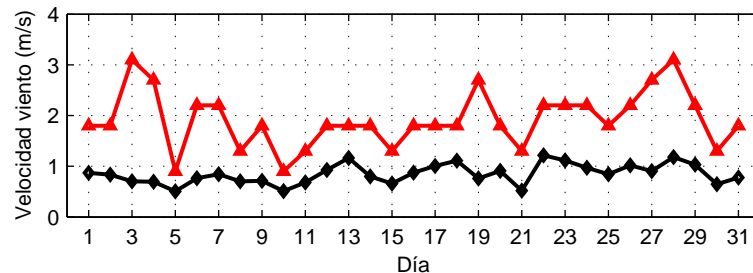
Total: 441.40 mm/mes



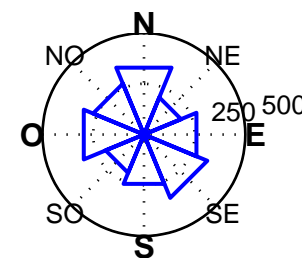
Magnitud: 71.80 (mm) Duración: 370 (min) Intensidad Media: 11.64 (mm/h)



Máxima: 3.10 Media: 0.85



Dirección del viento (Día)



Dirección del viento (Noche)



Estación: Acuaseo
Fecha: Octubre 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/m²)	
	Máx	Media	Mín	Máx	Media	Media	Media	Total	Total	Máx	Media
1	27.30	20.30	16.20	1.80	0.87	757.18	84.18	0.20	2.65	1120.00	340.92
2	27.20	20.45	16.00	1.80	0.84	757.15	83.93	0.60	2.92	1134.00	370.97
3	26.10	19.48	17.20	3.10	0.70	757.51	87.90	34.60	2.09	1186.00	284.10
4	25.50	19.85	16.10	2.70	0.69	757.70	83.42	0.00	2.40	1195.00	320.75
5	25.30	19.55	16.00	0.90	0.50	757.78	85.58	0.20	1.90	611.00	250.04
6	27.70	20.83	15.60	2.20	0.77	757.30	80.15	0.00	3.21	1223.00	408.04
7	25.10	20.12	17.10	2.20	0.84	757.92	87.13	17.60	2.36	1012.00	310.82
8	26.40	19.93	16.30	1.30	0.70	757.98	85.13	3.40	2.50	1232.00	302.56
9	28.90	20.70	15.20	1.80	0.71	757.41	76.92	0.00	3.82	1109.00	483.81
10	27.30	20.39	15.70	0.90	0.51	757.56	81.01	0.00	2.37	1150.00	305.97
11	21.70	18.75	16.70	1.30	0.68	758.28	91.15	50.40	1.44	898.00	193.44
12	22.70	18.51	15.80	1.80	0.93	759.38	90.82	37.80	1.99	1271.00	281.12
13	22.60	18.20	16.60	1.80	1.16	758.87	92.37	6.40	1.62	1139.00	225.60
14	20.70	17.20	16.00	1.80	0.80	759.71	94.71	53.00	1.05	715.00	162.97
15	25.40	18.60	15.20	1.30	0.66	759.34	85.31	1.60	2.58	926.00	362.41
16	28.10	20.42	15.40	1.80	0.88	756.91	81.76	1.20	3.26	1178.00	418.31
17	26.20	18.92	16.30	1.80	1.01	757.62	88.69	10.40	2.56	1083.00	371.50
18	24.70	19.64	16.60	1.80	1.11	758.56	87.19	16.80	2.40	994.00	325.09
19	23.60	18.60	16.60	2.70	0.76	758.11	90.31	2.60	1.90	962.00	261.80
20	23.60	17.88	14.80	1.80	0.91	758.44	90.94	4.60	1.61	861.00	213.15
21	27.10	19.25	14.10	1.30	0.52	758.29	83.22	0.20	2.86	1191.00	368.69
22	26.50	20.38	16.10	2.20	1.22	757.05	82.35	0.00	3.77	1108.00	482.83
23	27.30	20.42	15.30	2.20	1.12	756.34	81.49	0.00	3.74	1082.00	488.03
24	22.40	18.56	15.80	2.20	0.97	762.99	85.76	16.60	2.15	902.00	320.48
25	25.90	20.38	16.20	1.80	0.84	766.48	74.05	0.00	3.23	1184.00	357.15
26	26.90	20.02	16.10	2.20	1.02	766.50	78.87	16.00	3.08	1078.00	342.89
27	21.70	18.11	15.70	2.70	0.91	767.01	85.31	24.60	1.26	535.00	116.53
28	24.60	18.30	14.80	3.10	1.18	768.27	81.24	12.40	2.50	1084.00	285.89
29	23.90	18.53	15.40	2.20	1.03	767.43	83.59	22.80	2.03	793.00	226.63
30	22.60	18.15	15.80	1.30	0.65	762.65	90.73	32.80	1.26	485.00	188.30
31	24.20	18.03	15.20	1.80	0.78	758.73	90.58	74.60	1.71	1184.00	233.29
TOTAL								441.40	74.22		
PROM	25.14	19.31	15.87	1.92	0.85	759.76	85.35			1020.16	309.81

Cuadro 1: Resumen de análisis climatológico

Estación: Acuaseo
Fecha: Octubre 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	1	0	0	1	0	1	0.20	0.17	0.69	20.00	0.20	0.40	1.20
2	0	0	1	1	0	1	1	0	2	0.60	0.33	1.39	20.00	0.40	0.80	2.40
3	1	0	0	4	0	0	1	4	5	34.60	2.33	9.72	120.00	33.80	15.60	98.40
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	0	0	1	0	1	0	0	1	0.20	0.17	0.69	20.00	0.20	0.40	1.20
6	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	1	0	1	4	5	1	0	0	6	17.60	2.00	8.33	60.00	15.80	13.54	56.40
8	0	1	0	0	0	0	1	0	1	3.40	0.50	2.08	40.00	3.40	4.08	12.00
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	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	2	0	0	3	1	0	3	1	5	50.40	3.33	13.89	80.00	36.00	24.00	52.80
12	0	2	0	2	1	1	2	0	4	37.80	5.33	22.22	290.00	35.80	7.16	32.40
13	0	0	1	2	1	1	1	0	3	6.40	3.00	12.50	180.00	5.80	1.83	9.60
14	1	2	0	1	0	2	1	1	4	53.00	8.33	34.72	100.00	24.20	13.20	36.00
15	0	0	1	1	2	0	0	0	2	1.60	1.17	4.86	70.00	1.40	1.05	2.40
16	0	0	1	1	0	0	0	1	2	1.20	0.50	2.08	30.00	1.00	1.50	4.80
17	0	1	0	1	0	0	2	0	2	10.40	2.17	9.03	150.00	10.20	3.83	12.00
18	0	1	1	1	0	0	1	2	3	16.80	3.00	12.50	140.00	15.00	6.00	24.00
19	0	0	0	5	3	1	0	1	5	2.60	2.17	9.03	100.00	1.60	0.87	1.20
20	0	0	1	2	0	0	2	1	3	4.60	2.17	9.03	140.00	4.20	1.68	4.80
21	0	0	0	1	1	0	0	0	1	0.20	0.17	0.69	20.00	0.20	0.40	1.20
22	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0	1	0	1	0	1	0	1	2	16.60	2.33	9.72	140.00	16.40	6.56	25.20
25	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	1	0	0	0	0	0	1	0	1	16.00	0.67	2.78	50.00	16.00	16.00	54.00
27	0	1	0	0	0	0	1	0	1	24.60	3.33	13.89	220.00	24.60	6.42	42.00
28	1	0	0	0	0	0	1	0	1	12.40	1.17	4.86	80.00	12.40	8.27	28.80
29	2	0	1	0	0	0	2	1	3	22.80	2.50	10.42	110.00	14.80	7.40	19.20
30	1	0	0	0	0	1	0	0	1	32.80	2.50	10.42	160.00	32.80	11.58	38.40
31	1	1	0	1	0	0	1	2	3	74.60	3.33	13.89	110.00	63.60	31.80	96.00
MAX	2	2	1	5	5	2	3	4	6	74.60	8.33	34.72	290.00	63.60	31.80	98.40
TOTAL	11	10	8	33	14	10	22	15	62	441.40	52.67	7.08				

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