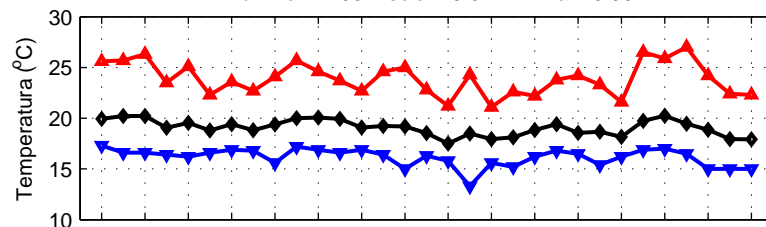


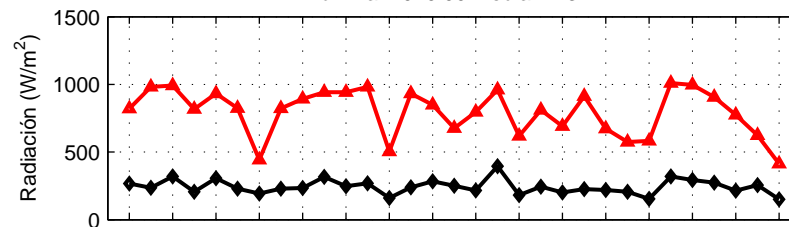
Estación: Acuaseo
Fecha: Enero de 2009
Registros: 31 de 31

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>

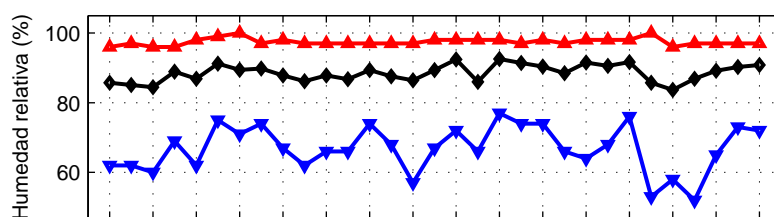
Máxima: 27.00 Media: 19.07 Mínima: 13.30



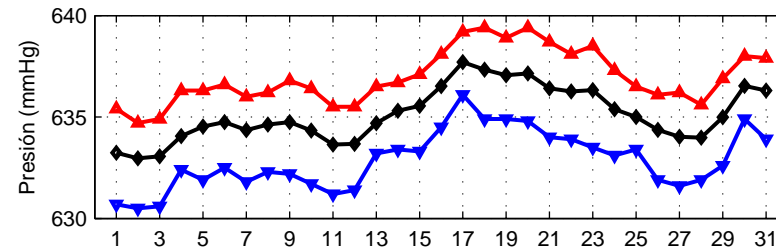
Máxima: 1010.00 Media: 243.12



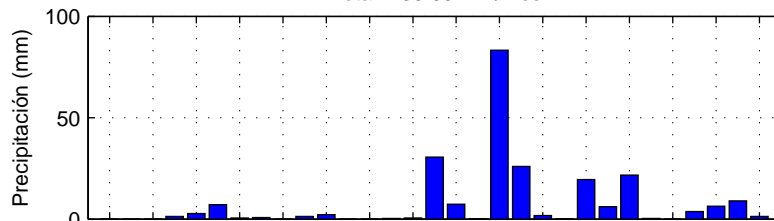
Máxima: 100.00 Media: 88.51 Mínima: 52.00



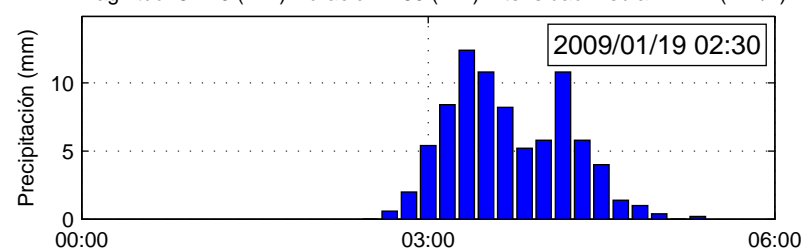
Máxima: 639.40 Media: 635.12 Mínima: 630.50



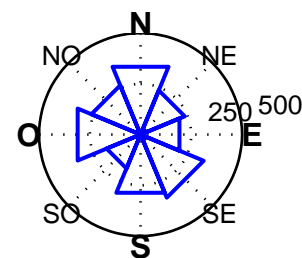
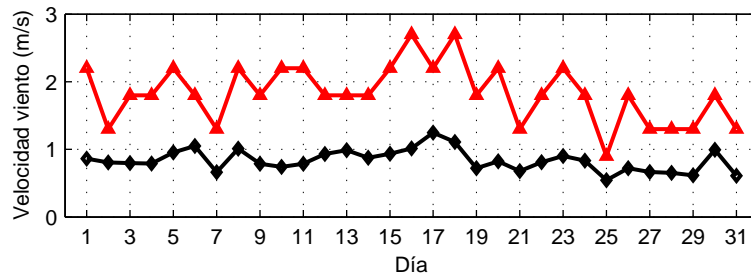
Total: 235.60 mm/mes



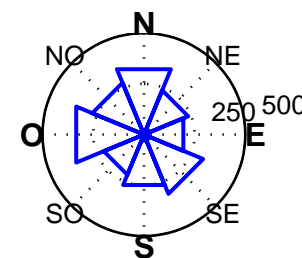
Magnitud: 82.40 (mm) Duración: 180 (min) Intensidad Media: 27.47 (mm/h)



Máxima: 2.70 Media: 0.84



Dirección del viento (Día)



Dirección del viento (Noche)



Estación: Acuaseo
Fecha: Enero 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/m ²)	
	Máx	Media	Mín	Máx	Media	Media	Media	Total	Total	Máx	Media
1	25.60	19.94	17.30	2.20	0.86	633.24	85.73	0.00	2.13	820.00	267.38
2	25.70	20.21	16.60	1.30	0.81	632.97	85.08	0.00	1.94	981.00	235.77
3	26.30	20.22	16.60	1.80	0.80	633.06	84.44	0.00	2.56	991.00	319.44
4	23.50	19.07	16.40	1.80	0.79	634.06	88.88	1.40	1.57	817.00	206.47
5	25.10	19.54	16.20	2.20	0.96	634.53	86.85	2.80	2.40	932.00	307.16
6	22.30	18.79	16.60	1.80	1.05	634.75	91.20	7.20	1.71	824.00	228.60
7	23.60	19.42	16.90	1.30	0.66	634.35	89.40	0.60	1.49	442.00	192.72
8	22.70	18.81	16.80	2.20	1.01	634.63	89.82	0.80	1.71	822.00	229.18
9	24.10	19.40	15.60	1.80	0.79	634.74	87.81	0.00	1.83	893.00	234.17
10	25.70	20.01	17.20	2.20	0.74	634.33	86.15	1.40	2.43	942.00	315.49
11	24.60	20.06	16.90	2.20	0.79	633.64	87.80	2.20	1.95	942.00	246.70
12	23.70	19.94	16.60	1.80	0.93	633.67	86.71	0.00	2.05	981.00	268.88
13	22.70	19.08	16.90	1.80	0.99	634.69	89.38	0.00	1.28	504.00	160.32
14	24.60	19.24	16.40	1.80	0.87	635.31	87.59	0.40	1.90	932.00	239.59
15	25.00	19.18	15.00	2.20	0.93	635.55	86.44	0.60	2.22	849.00	283.13
16	22.80	18.53	16.30	2.70	1.01	636.52	89.36	30.60	1.86	676.00	251.01
17	21.20	17.50	15.80	2.20	1.25	637.70	92.39	7.40	1.46	796.00	216.06
18	24.30	18.50	13.30	2.70	1.11	637.34	85.94	0.20	2.93	961.00	395.80
19	21.10	17.94	15.60	1.80	0.72	637.06	92.56	83.40	1.27	618.00	180.80
20	22.60	18.11	15.20	2.20	0.82	637.15	91.40	26.00	1.78	811.00	244.16
21	22.20	18.84	16.20	1.30	0.68	636.41	90.40	1.80	1.52	691.00	201.21
22	23.80	19.41	16.80	1.80	0.81	636.26	88.46	0.20	1.68	912.00	225.80
23	24.20	18.54	16.50	2.20	0.90	636.33	91.55	19.60	1.60	673.00	219.81
24	23.30	18.67	15.40	1.80	0.83	635.38	90.55	6.20	1.64	574.00	205.75
25	21.60	18.16	16.20	0.90	0.54	635.00	91.65	21.80	1.12	582.00	154.23
26	26.50	19.74	16.90	1.80	0.72	634.37	85.72	0.40	2.55	1010.00	319.82
27	25.90	20.25	17.00	1.30	0.66	634.02	83.65	0.00	2.36	996.00	293.38
28	27.00	19.45	16.50	1.30	0.65	633.98	86.90	3.80	2.20	906.00	273.10
29	24.20	18.86	15.00	1.30	0.61	634.99	89.13	6.40	1.61	774.00	214.84
30	22.40	17.95	15.00	1.80	0.99	636.53	90.24	9.00	1.83	623.00	254.97
31	22.30	17.92	15.00	1.30	0.61	636.30	90.78	1.40	1.09	414.00	151.09
TOTAL								235.60	57.67		
PROM	23.89	19.07	16.15	1.83	0.84	635.12	88.51			796.42	243.12

Cuadro 1: Resumen de análisis climatológico

Estación: Acuaseo
Fecha: Enero 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	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	0	0	1	2	0	1	2	0	3	1.40	1.00	4.17	50.00	1.00	1.00	2.40
5	0	1	0	3	1	0	0	3	4	2.80	1.17	4.86	30.00	1.80	2.70	9.60
6	0	1	2	6	2	3	1	3	9	7.20	3.00	12.50	70.00	3.00	2.25	6.00
7	0	0	1	1	1	0	1	0	2	0.60	0.33	1.39	20.00	0.40	0.80	2.40
8	0	0	0	3	0	0	3	0	3	0.80	0.67	2.78	30.00	0.40	0.60	1.20
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	1	1	1	1	0	0	2	1.40	0.50	2.08	30.00	1.20	1.80	6.00
11	0	1	0	2	0	2	0	1	3	2.20	0.83	3.47	40.00	1.80	2.16	8.40
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	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0	0	0	2	1	0	1	0	2	0.40	0.33	1.39	20.00	0.20	0.40	1.20
15	0	0	0	2	0	0	1	1	2	0.60	0.50	2.08	40.00	0.40	0.48	1.20
16	1	0	3	1	2	0	1	1	5	30.60	6.67	27.78	140.00	21.80	8.72	21.60
17	0	0	2	3	3	0	1	1	5	7.40	3.33	13.89	180.00	6.60	2.08	3.60
18	0	0	0	1	1	0	0	0	1	0.20	0.17	0.69	20.00	0.20	0.40	1.20
19	1	0	0	4	1	1	2	1	5	83.40	3.50	14.58	180.00	82.40	26.02	74.40
20	1	1	1	0	0	0	1	2	3	26.00	2.00	8.33	70.00	22.80	17.10	70.80
21	0	0	2	1	2	0	1	0	3	1.80	1.00	4.17	20.00	0.80	1.60	3.60
22	0	0	0	1	0	0	0	1	1	0.20	0.17	0.69	20.00	0.20	0.40	1.20
23	1	1	0	0	1	0	1	0	2	19.60	3.67	15.28	190.00	12.60	3.78	19.20
24	0	1	1	1	0	0	2	1	3	6.20	1.33	5.56	60.00	5.00	4.29	15.60
25	0	1	2	1	4	0	0	0	4	21.80	7.00	29.17	350.00	18.80	3.13	14.40
26	0	0	0	2	1	1	0	0	2	0.40	0.33	1.39	20.00	0.20	0.40	1.20
27	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0	1	0	1	1	0	1	0	2	3.80	1.17	4.86	60.00	3.40	2.91	9.60
29	0	0	3	3	0	0	3	3	6	6.40	3.50	14.58	90.00	2.60	1.56	3.60
30	0	1	1	4	5	0	1	0	6	9.00	3.50	14.58	70.00	4.60	3.45	12.00
31	0	0	0	3	1	0	1	1	3	1.40	1.17	4.86	70.00	1.00	0.75	1.20
MAX	1	1	3	6	5	3	3	3	9	83.40	7.00	29.17	350.00	82.40	26.02	74.40
TOTAL	4	9	20	48	28	9	24	19	81	235.60	46.83	6.29				

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