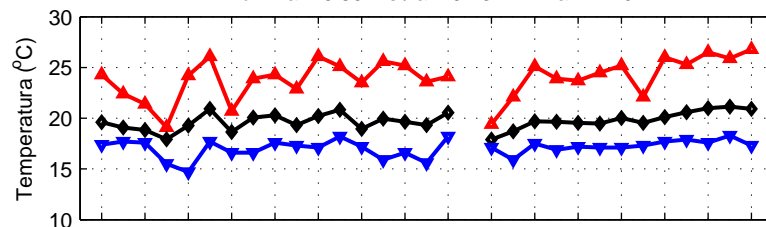


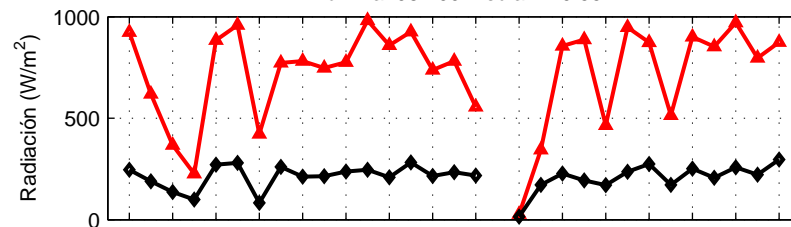
**Estación: Acuaseo**  
**Fecha: Diciembre de 2010**  
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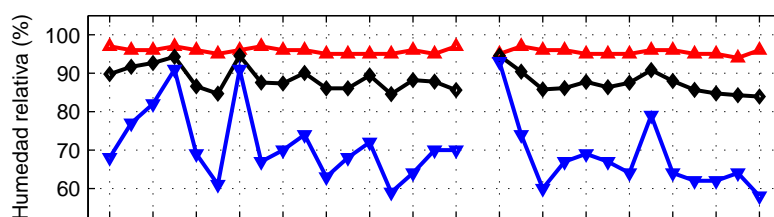
Máxima: 26.80 Media: 19.73 Mínima: 14.70



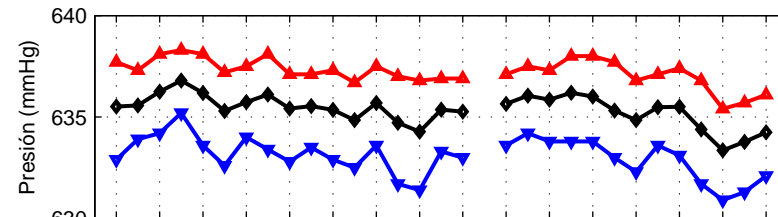
Máxima: 982.00 Media: 210.66



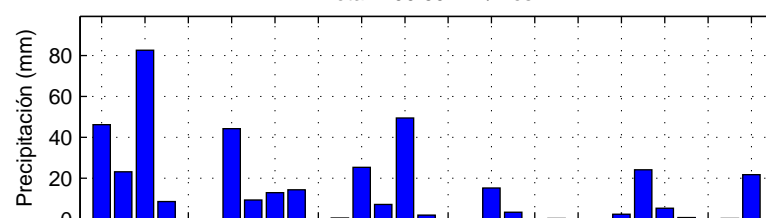
Máxima: 97.00 Media: 88.08 Mínima: 58.00



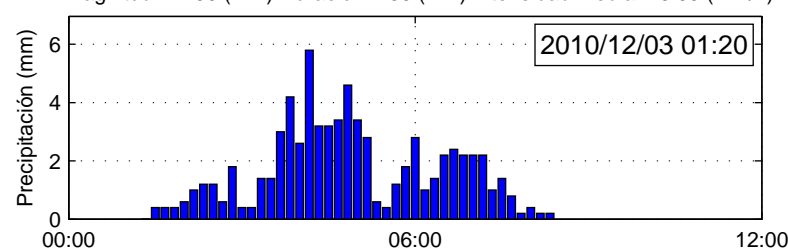
Máxima: 638.30 Media: 635.35 Mínima: 630.90



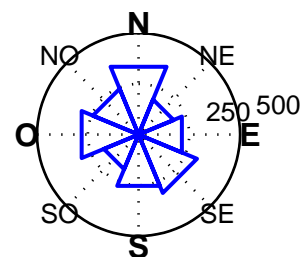
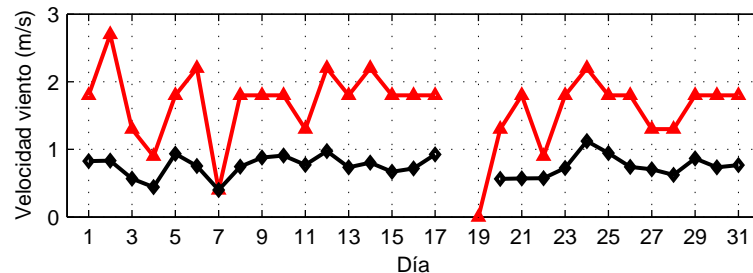
Total: 400.60 mm/mes



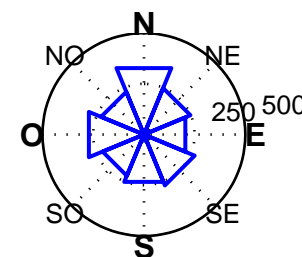
Magnitud: 72.00 (mm) Duración: 430 (min) Intensidad Media: 10.05 (mm/h)



Máxima: 2.70 Media: 0.75



Dirección del viento (Día)



Dirección del viento (Noche)



**Estación: Acuaseo**  
**Fecha: Diciembre de 2010**  
**Registros: 30 de 31**

Red Hidroclimatológica del Departamento de Risaralda  
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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	24.30	19.61	17.40	1.80	0.83	635.51	89.78	46.20	1.83	924.00	246.23
2	22.40	19.08	17.70	2.70	0.83	635.57	91.67	23.20	1.39	619.00	188.42
3	21.40	18.85	17.60	1.30	0.57	636.25	92.67	82.60	0.92	368.00	135.88
4	19.10	17.92	15.50	0.90	0.44	636.79	94.28	8.60	0.67	226.00	99.33
5	24.20	19.27	14.70	1.80	0.93	636.18	86.60	0.20	2.09	884.00	270.77
6	26.10	20.93	17.70	2.20	0.75	635.30	84.69	0.00	2.17	959.00	280.20
7	20.70	18.65	16.60	0.40	0.40	635.73	94.54	44.20	0.59	422.00	82.65
8	23.90	20.06	16.60	1.80	0.74	636.11	87.54	9.40	2.03	773.00	259.63
9	24.30	20.28	17.60	1.80	0.88	635.41	87.32	13.00	1.80	782.00	211.93
10	22.90	19.32	17.30	1.80	0.91	635.54	90.08	14.40	1.61	748.00	213.73
11	26.10	20.21	17.10	1.30	0.77	635.35	86.08	0.00	1.88	776.00	237.45
12	25.10	20.83	18.20	2.20	0.98	634.84	86.05	0.60	2.07	982.00	246.17
13	23.50	18.95	17.20	1.80	0.74	635.69	89.42	25.40	1.48	859.00	208.72
14	25.60	19.95	15.90	2.20	0.80	634.72	84.53	7.20	2.18	926.00	281.53
15	25.20	19.65	16.60	1.80	0.67	634.27	88.18	49.40	1.66	738.00	215.38
16	23.60	19.32	15.60	1.80	0.72	635.36	87.77	2.00	1.76	782.00	233.69
17	24.10	20.55	18.20	1.80	0.92	635.27	85.61	0.00	1.56	556.00	217.17
18											
19	19.40	17.91	17.10	0.00		635.65	94.54	15.20	0.03	27.00	14.56
20	22.10	18.71	15.90	1.30	0.56	636.05	90.40	3.40	1.18	344.00	171.15
21	25.10	19.70	17.50	1.80	0.57	635.85	85.77	0.20	1.82	856.00	227.15
22	23.90	19.66	16.90	0.90	0.57	636.20	86.11	0.40	1.56	888.00	193.60
23	23.70	19.55	17.20	1.80	0.73	636.01	87.74	0.00	1.31	465.00	169.89
24	24.50	19.48	17.10	2.20	1.12	635.32	86.35	0.00	1.95	948.00	236.31
25	25.20	20.03	17.10	1.80	0.94	634.85	87.50	2.40	2.05	873.00	274.18
26	22.10	19.55	17.30	1.80	0.74	635.48	90.78	24.20	1.21	514.00	170.90
27	26.00	20.11	17.70	1.30	0.71	635.51	87.97	5.40	1.86	901.00	250.88
28	25.30	20.60	17.90	1.30	0.62	634.39	85.67	0.80	1.60	853.00	206.52
29	26.50	20.98	17.60	1.80	0.87	633.36	84.75	0.00	2.12	971.00	258.12
30	25.90	21.14	18.30	1.80	0.74	633.77	84.25	0.40	1.81	797.00	221.40
31	26.80	20.91	17.30	1.80	0.77	634.25	83.90	21.80	2.32	875.00	296.31
TOTAL								400.60	48.51		
PROM	23.97	19.73	17.08	1.63	0.75	635.35	88.08			721.20	210.66

Cuadro 1: Resumen de análisis climatológico

**Estación: Acuaseo**  
**Fecha: Diciembre de 2010**  
**Registros: 30 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	1	0	1	2	2	0	2	0	4	46.20	5.83	24.31	320.00	44.80	8.15	40.80
2	0	2	1	4	1	0	4	1	7	23.20	5.67	23.61	170.00	16.80	5.60	14.40
3	1	1	0	3	1	2	0	2	5	82.60	10.00	41.67	430.00	72.00	9.82	34.80
4	0	0	2	4	1	4	1	0	6	8.60	4.83	20.14	180.00	4.60	1.45	3.60
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	2	1	4	2	3	2	1	8	44.20	8.17	34.03	70.00	17.80	13.35	37.20
8	1	0	0	0	0	0	0	1	1	9.40	0.67	2.78	50.00	9.40	9.40	30.00
9	0	1	1	0	0	0	1	1	2	13.00	2.17	9.03	110.00	12.20	6.10	16.80
10	0	1	2	0	2	0	1	0	3	14.40	3.17	13.19	130.00	10.80	4.63	12.00
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	3	1	0	1	1	3	0.60	0.50	2.08	20.00	0.20	0.40	1.20
13	0	1	0	5	4	0	2	0	6	25.40	4.50	18.75	220.00	24.20	6.31	16.80
14	0	1	0	3	0	0	0	4	4	7.20	1.50	6.25	70.00	6.60	4.95	14.40
15	1	1	1	3	2	0	2	2	6	49.40	5.33	22.22	220.00	45.20	11.79	28.80
16	0	0	1	1	2	0	0	0	2	2.00	1.50	6.25	90.00	1.80	1.08	2.40
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																
19	0	1	1	1	0	0	2	1	3	15.20	4.00	16.67	180.00	13.40	4.23	12.00
20	0	0	1	6	2	1	2	2	7	3.40	2.33	9.72	60.00	1.00	0.86	2.40
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	2	2	0	0	0	2	0.40	0.33	1.39	20.00	0.20	0.40	1.20
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	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0	1	0	2	0	1	1	1	3	2.40	1.00	4.17	30.00	1.60	2.40	4.80
26	1	0	2	2	1	1	3	0	5	24.20	3.33	13.89	170.00	22.00	7.33	40.80
27	0	0	1	3	2	0	2	0	4	5.40	2.50	10.42	150.00	4.60	1.73	4.80
28	0	0	0	2	1	1	0	0	2	0.80	0.50	2.08	40.00	0.60	0.72	2.40
29	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0	0	1	0	0	0	0	1	1	0.40	0.17	0.69	20.00	0.40	0.80	2.40
31	1	0	1	1	3	0	0	0	3	21.80	1.83	7.64	70.00	20.00	15.00	78.00
MAX	1	2	2	6	4	4	4	4	8	82.60	10.00	41.67	430.00	72.00	15.00	78.00
TOTAL	7	12	17	53	30	14	26	18	89	400.60	70.17	9.43				

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