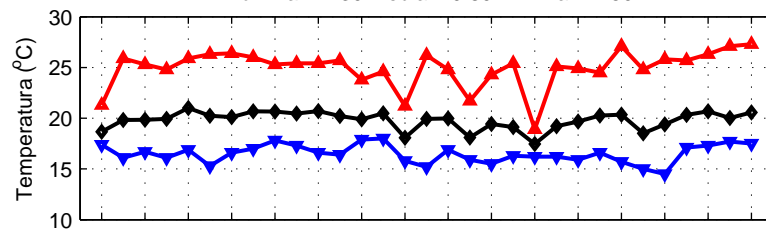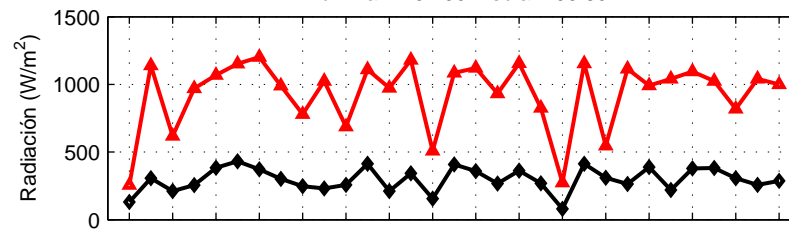# REDH
RED HIDROCLIMATOLÓGICA

Estación: Acuaseo
Fecha: Marzo de 2013
Registros: 31 de 31

Reporte climatológico mensual
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Revisó: Adm. Ambiental Victor Manuel Bermúdez Marín. Operador REDH
Aprobó: Ing Ph.D. Juan Mauricio Castaño Rojas. Director REDH.
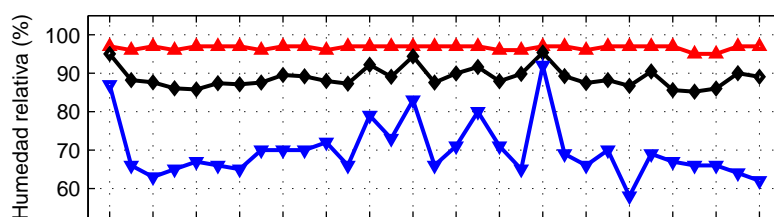Contáctenos: **http://www.utp.edu.co/hidroclimatologica**
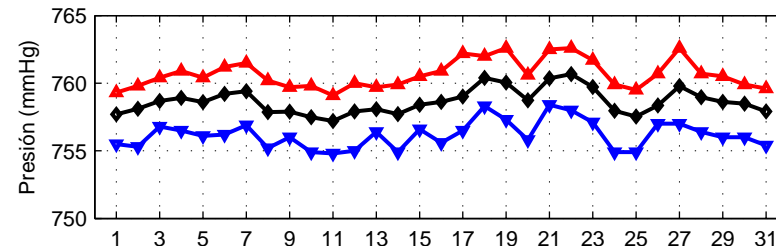

Máxima: 27.30 Media: 19.80 Mínima: 14.50

Máxima: 1202.00 Media: 296.80
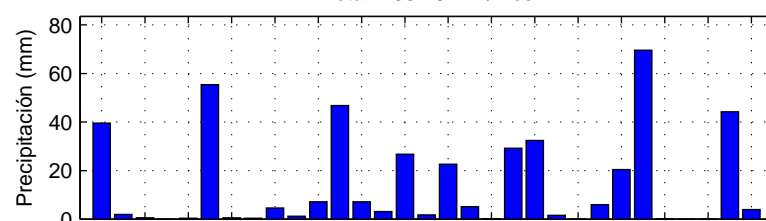
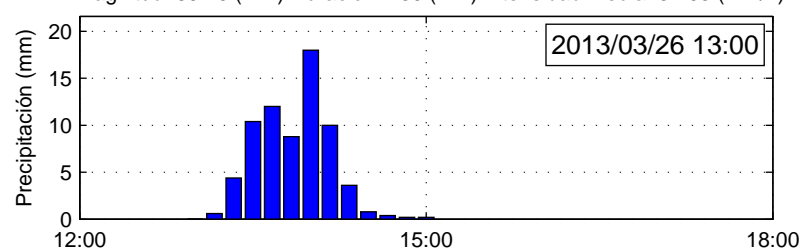Máxima: 97.00 Media: 88.85 Mínima: 58.00
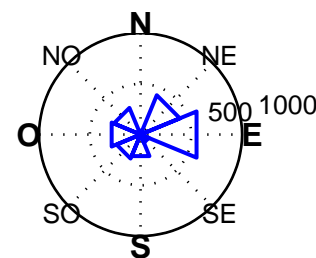
Máxima: 762.60 Media: 758.65 Mínima: 754.80

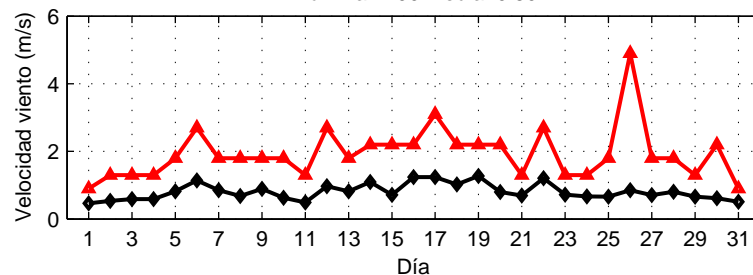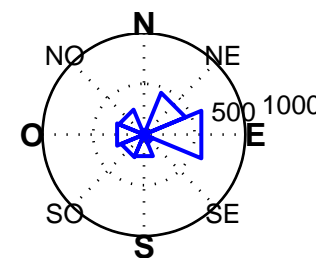Total: 433.40 mm/mes

Magnitud: 69.40 (mm) Duración: 130 (min) Intensidad Media: 32.03 (mm/h)

2013/03/26 13:00

Máxima: 4.90 Media: 0.80

Dirección del viento (Día)

Dirección del viento (Noche)

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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	21.30	18.66	17.40	0.90	0.46	757.70	95.02	39.60	0.90	255.00	131.18
2	25.90	19.82	16.10	1.30	0.53	758.11	88.22	2.00	2.29	1140.00	305.80
3	25.30	19.85	16.70	1.30	0.59	758.68	87.63	0.60	1.58	619.00	211.28
4	24.80	19.93	16.10	1.30	0.59	758.91	86.04	0.00	1.94	970.00	254.96
5	25.90	21.00	16.90	1.80	0.82	758.59	85.76	0.40	2.83	1068.00	383.92
6	26.30	20.24	15.30	2.70	1.14	759.20	87.38	55.40	3.23	1153.00	430.93
7	26.40	20.11	16.60	1.80	0.85	759.40	87.08	0.60	2.75	1202.00	372.63
8	26.00	20.68	17.00	1.80	0.68	757.87	87.59	0.40	2.36	990.00	301.77
9	25.30	20.65	17.80	1.80	0.89	757.90	89.55	4.60	2.02	780.00	247.22
10	25.40	20.47	17.30	1.80	0.63	757.48	89.18	1.20	1.76	1024.00	231.10
11	25.40	20.70	16.60	1.30	0.49	757.20	87.99	7.20	1.91	688.00	257.00
12	25.70	20.23	16.40	2.70	0.97	757.91	87.27	46.80	3.08	1109.00	412.86
13	23.80	19.89	17.90	1.80	0.82	758.07	92.20	7.20	1.55	973.00	211.17
14	24.60	20.48	18.00	2.20	1.09	757.71	89.08	3.20	2.56	1181.00	342.29
15	21.20	18.08	15.80	2.20	0.71	758.40	94.38	26.80	0.94	509.00	155.48
16	26.20	19.94	15.20	2.20	1.24	758.62	87.58	1.80	3.16	1085.00	409.00
17	24.80	19.97	16.90	3.10	1.24	759.02	89.91	22.60	2.64	1121.00	358.27
18	21.70	18.10	15.90	2.20	1.02	760.38	91.63	5.20	1.90	932.00	267.40
19	24.30	19.43	15.50	2.20	1.27	760.05	87.90	0.20	2.67	1155.00	361.63
20	25.40	19.12	16.30	2.20	0.80	758.73	89.80	29.20	1.92	825.00	267.81
21	18.90	17.46	16.20	1.30	0.70	760.35	95.40	32.40	0.58	273.00	80.18
22	25.10	19.20	16.20	2.70	1.21	760.68	89.25	1.60	3.13	1154.00	413.08
23	24.90	19.68	15.90	1.30	0.72	759.71	87.44	0.00	2.30	547.00	308.90
24	24.50	20.27	16.60	1.30	0.67	757.96	88.17	6.00	2.07	1114.00	264.49
25	27.10	20.35	15.70	1.80	0.66	757.53	86.69	20.40	3.05	992.00	388.79
26	24.80	18.51	15.00	4.90	0.85	758.35	90.44	69.60	1.71	1041.00	219.23
27	25.80	19.38	14.50	1.80	0.70	759.78	85.60	0.20	2.84	1095.00	378.37
28	25.70	20.33	17.10	1.80	0.81	758.96	85.17	0.00	2.94	1024.00	382.64
29	26.30	20.67	17.30	1.30	0.66	758.61	86.01	0.00	2.31	819.00	306.93
30	27.10	20.02	17.70	2.20	0.61	758.49	89.98	44.20	1.91	1040.00	257.51
31	27.30	20.58	17.50	0.90	0.51	757.91	89.06	4.00	2.28	1000.00	286.85
TOTAL								433.40	69.11		
PROM	24.94	19.80	16.50	1.93	0.80	758.65	88.85			931.55	296.80

Cuadro 1: Resúmen de análisis climatológico

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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	1	0	3	2	2	1	0	5	39.60	4.50	18.75	130.00	26.40	11.31	27.60
2	0	1	0	0	0	0	1	0	1	2.00	0.33	1.39	30.00	2.00	3.00	7.20
3	0	0	1	1	1	1	0	0	2	0.60	0.33	1.39	20.00	0.40	0.80	2.40
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	1	0	0	0	1	0	1	0.40	0.17	0.69	20.00	0.40	0.80	2.40
6	1	1	0	3	1	0	1	2	5	55.40	5.17	21.53	200.00	47.40	13.54	63.60
7	0	0	0	2	2	0	0	0	2	0.60	0.50	2.08	40.00	0.40	0.48	1.20
8	0	0	0	2	1	0	1	0	2	0.40	0.33	1.39	20.00	0.20	0.40	1.20
9	0	1	0	2	0	0	2	1	3	4.60	1.17	4.86	50.00	4.00	4.00	10.80
10	0	0	1	1	1	1	0	0	2	1.20	0.67	2.78	40.00	1.00	1.20	2.40
11	0	1	0	1	0	0	1	1	2	7.20	1.17	4.86	80.00	7.00	4.67	12.00
12	1	0	0	1	1	0	1	0	2	46.80	1.50	6.25	90.00	46.60	27.96	76.80
13	0	2	1	1	3	0	1	0	4	7.20	2.50	10.42	90.00	3.80	2.28	10.80
14	0	0	1	2	1	0	1	1	3	3.20	1.83	7.64	100.00	2.60	1.42	4.80
15	0	1	0	4	3	2	0	0	5	26.80	6.33	26.39	330.00	25.20	4.45	9.60
16	0	0	1	3	1	0	2	1	4	1.80	1.17	4.86	40.00	1.00	1.20	3.60
17	0	2	1	1	2	1	1	0	4	22.60	7.83	32.64	370.00	17.20	2.72	6.00
18	0	1	1	2	2	1	1	0	4	5.20	2.00	8.33	90.00	4.40	2.64	7.20
19	0	0	0	1	1	0	0	0	1	0.20	0.17	0.69	20.00	0.20	0.40	1.20
20	2	0	0	2	0	0	3	1	4	29.20	2.00	8.33	60.00	20.00	17.14	79.20
21	0	2	2	1	1	1	3	0	5	32.40	6.17	25.69	220.00	23.20	6.05	32.40
22	0	0	0	3	1	0	1	1	3	1.60	1.33	5.56	60.00	1.00	0.86	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	1	1	1	0	1	1	1	3	6.00	1.33	5.56	60.00	5.20	4.46	9.60
25	1	0	0	3	3	0	1	0	4	20.40	1.83	7.64	80.00	19.80	13.20	30.00
26	1	0	0	1	1	0	1	0	2	69.60	2.17	9.03	130.00	69.40	29.74	108.00
27	0	0	0	1	1	0	0	0	1	0.20	0.17	0.69	20.00	0.20	0.40	1.20
28	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	1	0	0	3	2	0	2	0	4	44.20	2.00	8.33	80.00	43.20	28.80	79.20
31	0	1	1	0	1	0	1	0	2	4.00	0.50	2.08	30.00	3.60	5.40	16.80
MAX	2	2	2	4	3	2	3	2	5	69.60	7.83	32.64	370.00	69.40	29.74	108.00
TOTAL	8	15	12	45	32	10	28	9	80	433.40	55.17	7.41				

Cuadro 1: Análisis mensual de lluvias

F	Fuerte	7.6 (mm/h) $\leq$ intensidad
M	Moderada	2.5 (mm/h) $<$ intensidad $\leq$ 7.6 (mm/h)
L	Ligera	1.0 (mm/h) $<$ intensidad $\leq$ 2.5 (mm/h)
LL	Llovizna	1.0 (mm/h) $\geq$ 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 precipitacion 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