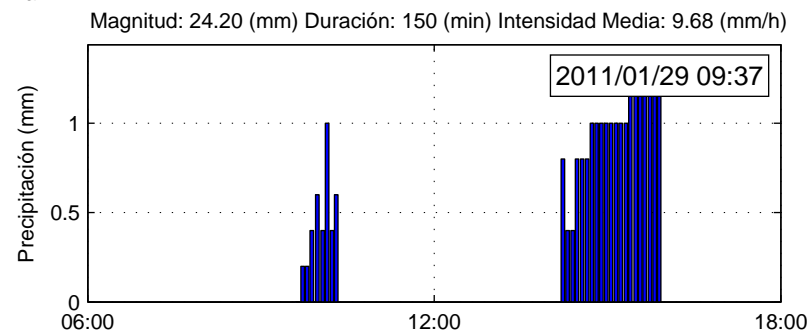
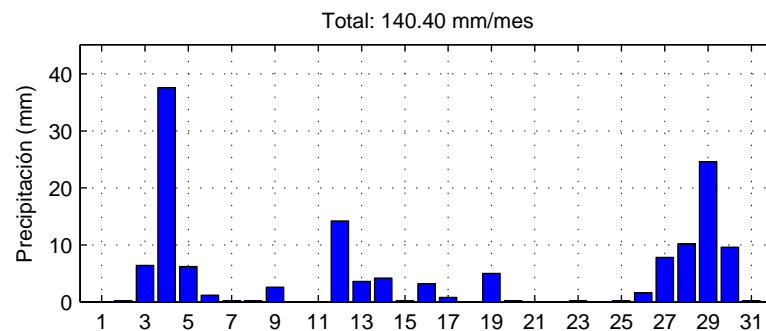
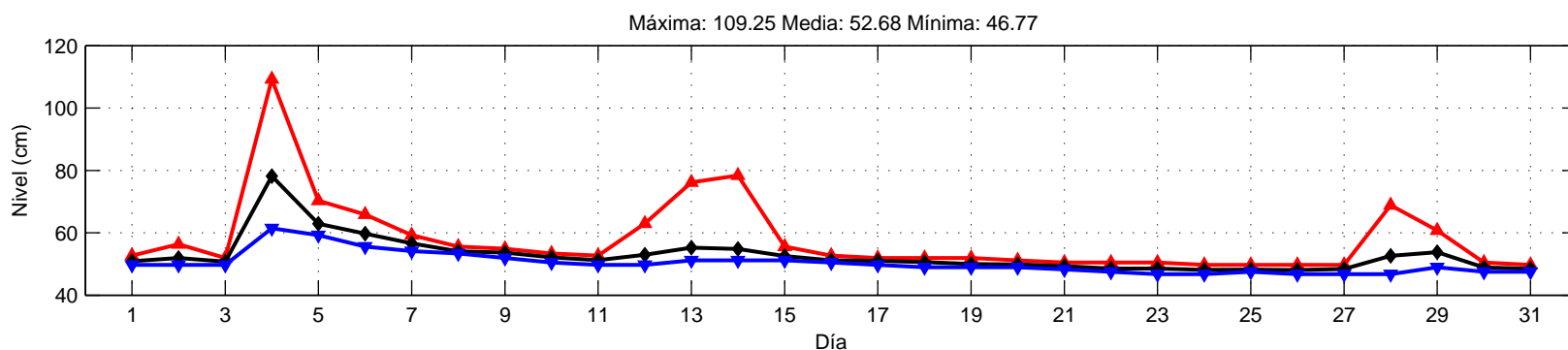
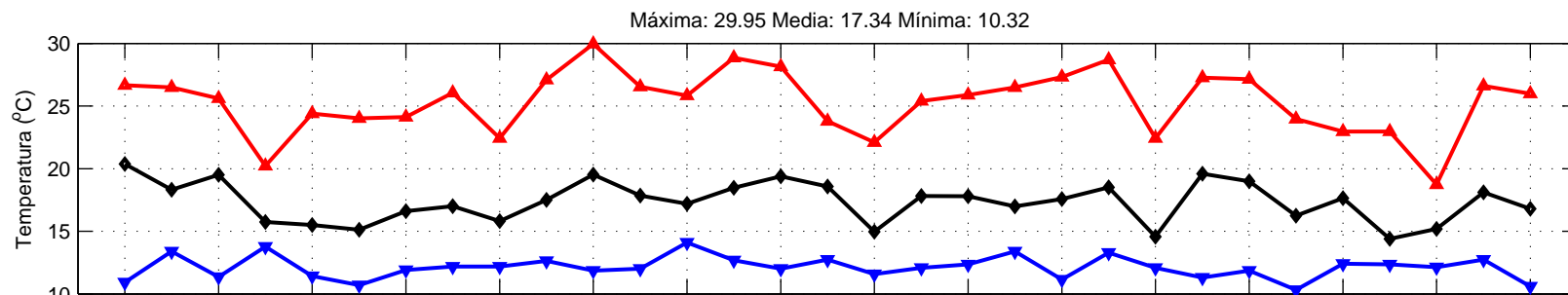


**Estación: San Juan**  
**Fecha: Enero de 2011**  
**Registros: 31 de 31**

Reporte hidroclimatológico mensual  
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Revisó: Adm. Ambiental Víctor Manuel Bermúdez Marín. Operador REDH  
Aprobó: Ing Ph.D. Juan Mauricio Castaño Rojas. Director REDH.  
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Día	Temperatura (°C)			Nivel (cm)			Precipitación (mm)
	Máx	Media	Mín	Máx	Media	Mín	Total
1	26.65	20.38	10.92	52.65	50.85	49.71	0.00
2	26.49	18.31	13.40	56.33	51.91	49.71	0.20
3	25.61	19.50	11.36	51.91	50.71	49.71	6.40
4	20.22	15.73	13.78	109.25	78.19	61.47	37.60
5	24.40	15.51	11.42	70.29	62.93	59.26	6.20
6	24.01	15.12	10.70	65.88	59.70	55.59	1.20
7	24.12	16.61	11.91	59.26	56.62	54.12	0.20
8	26.05	17.01	12.19	55.59	54.08	53.38	0.20
9	22.42	15.81	12.19	54.86	53.64	51.91	2.60
10	27.09	17.51	12.63	53.38	52.16	50.45	0.00
11	29.95	19.53	11.86	52.65	51.21	49.71	0.00
12	26.54	17.86	12.02	62.94	52.98	49.71	14.20
13	25.83	17.19	14.11	76.17	55.21	51.18	3.60
14	28.85	18.47	12.68	78.38	54.84	51.18	4.20
15	28.14	19.39	12.02	55.59	52.56	51.18	0.20
16	23.79	18.58	12.74	52.65	51.19	50.45	3.20
17	22.09	14.96	11.58	51.91	51.04	49.71	0.80
18	25.39	17.82	12.08	51.91	50.57	48.98	0.00
19	25.88	17.79	12.35	51.91	50.01	48.98	5.00
20	26.49	16.99	13.40	51.18	49.85	48.98	0.20
21	27.31	17.58	11.14	50.45	49.29	48.24	0.00
22	28.69	18.50	13.29	50.45	48.54	47.50	0.00
23	22.42	14.56	12.08	50.45	48.50	46.77	0.20
24	27.26	19.60	11.31	49.71	48.10	46.77	0.00
25	27.15	18.99	11.86	49.71	48.22	47.50	0.20
26	23.96	16.25	10.32	49.71	48.06	46.77	1.60
27	22.97	17.65	12.41	49.71	48.36	46.77	7.80
28	22.97	14.39	12.35	68.82	52.60	46.77	10.20
29	18.73	15.18	12.13	60.74	53.75	48.98	24.60
30	26.60	18.10	12.74	50.45	48.86	47.50	9.60
31	25.99	16.79	10.59	49.71	48.45	47.50	0.20
TOTAL							140.40
PROM	25.29	17.34	12.11	57.89	52.68	50.21	4.53

Cuadro 1: Resumen de análisis hidroclimatológico

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Reporte climatológico mensual  
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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	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	1	0	0	0	1	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
3	1	0	0	0	0	0	0	1	1	6.40	0.17	0.69	15.00	6.40	19.20	72.00
4	1	5	2	0	4	2	1	1	8	37.60	5.83	24.31	180.00	18.80	6.10	91.20
5	0	1	7	0	4	0	3	1	8	6.20	2.25	9.38	125.00	2.40	1.11	2.40
6	0	0	4	0	0	0	3	1	4	1.20	0.50	2.08	15.00	0.40	1.20	2.40
7	0	0	1	0	0	0	1	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
8	0	0	1	0	1	0	0	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
9	1	0	2	0	1	0	2	0	3	2.60	0.25	1.04	10.00	2.20	8.80	26.40
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	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	1	0	1	0	0	0	1	1	2	14.20	0.58	2.43	25.00	12.40	24.80	48.00
13	0	2	4	0	0	0	5	1	6	3.60	1.00	4.17	20.00	1.00	2.40	7.20
14	1	0	4	0	0	1	3	1	5	4.20	0.42	1.74	10.00	3.40	13.60	40.80
15	0	0	1	0	1	0	0	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
16	1	1	0	0	0	0	1	1	2	3.20	0.17	0.69	10.00	2.60	10.40	31.20
17	0	0	3	0	1	1	1	0	3	0.80	0.33	1.39	15.00	0.40	1.20	2.40
18	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	1	0	1	0	0	1	0	1	2	5.00	0.17	0.69	10.00	4.80	19.20	57.60
20	0	0	1	0	0	0	0	1	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
21	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	1	0	0	1	0	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
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	0	1	0	0	0	0	1	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
26	1	0	1	0	1	0	1	0	2	1.60	0.17	0.69	10.00	1.40	5.60	16.80
27	0	1	1	0	1	0	1	0	2	7.80	1.42	5.90	80.00	7.60	5.36	14.40
28	1	0	3	0	0	1	2	1	4	10.20	1.08	4.51	65.00	9.40	8.06	36.00
29	1	0	1	0	1	1	0	0	2	24.60	2.58	10.76	150.00	24.20	9.37	14.40
30	1	0	0	0	0	0	0	1	1	9.60	0.08	0.35	10.00	9.60	38.40	115.20
31	0	0	1	0	1	0	0	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
MAX	1	5	7	0	4	2	5	1	8	37.60	5.83	24.31	180.00	24.20	38.40	115.20
TOTAL	11	10	42	0	16	8	26	13	63	140.40	17.67	2.37				

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