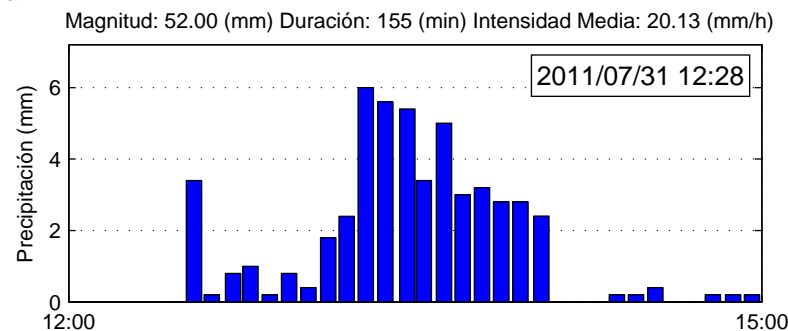
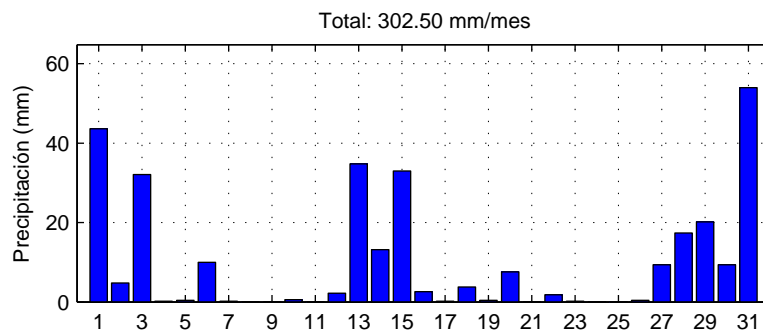
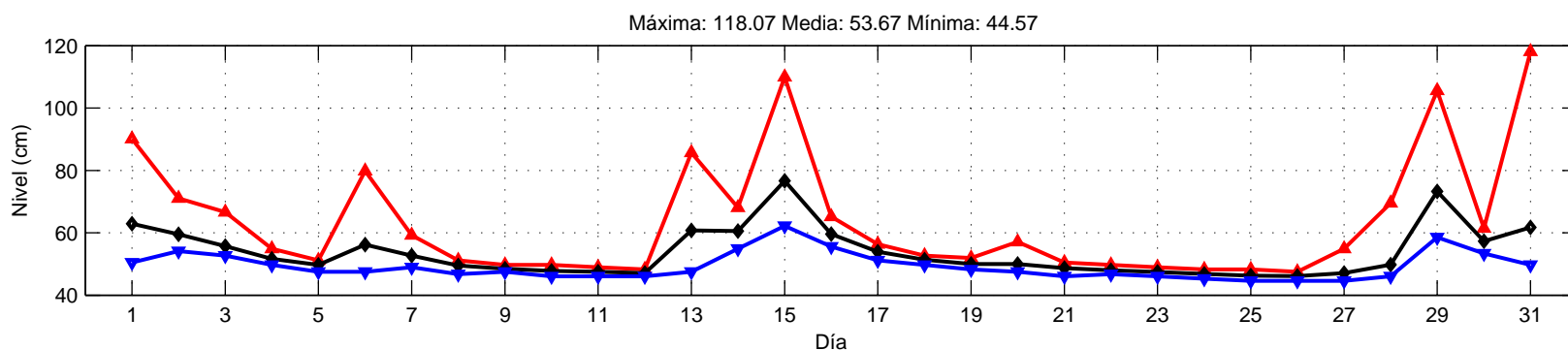
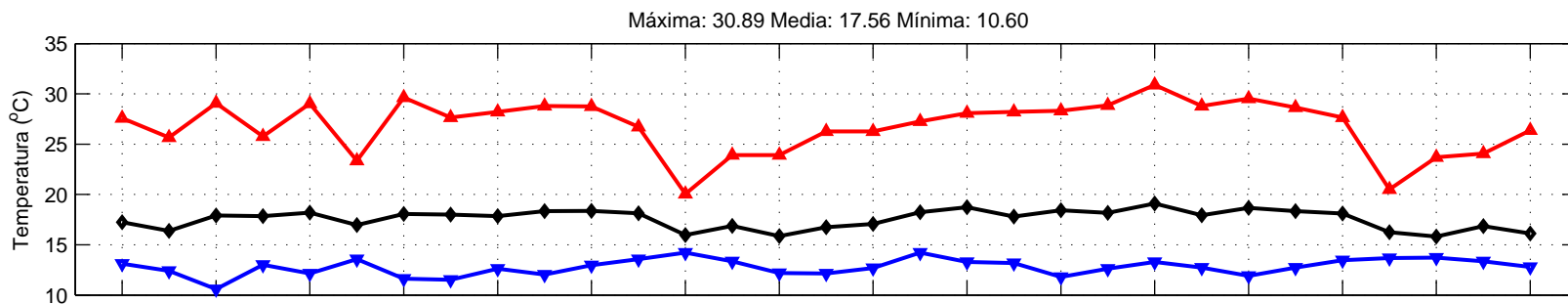


**Estación: San Juan**  
**Fecha: Julio de 2011**  
**Registros: 31 de 31**

Reporte hidroclimatológico mensual  
Red Hidroclimatológica del Departamento de Risaralda  
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	27.59	17.24	13.13	90.14	62.89	50.45	43.60
2	25.67	16.37	12.41	71.03	59.48	54.12	4.80
3	29.08	17.91	10.60	66.62	55.70	52.65	32.10
4	25.78	17.85	13.02	54.86	51.66	49.72	0.20
5	29.02	18.20	12.14	51.19	49.72	47.51	0.40
6	23.36	16.96	13.57	79.85	56.20	47.51	10.00
7	29.63	18.07	11.64	59.27	52.65	48.98	0.20
8	27.65	17.99	11.53	51.19	49.50	46.77	0.00
9	28.20	17.85	12.63	49.72	48.49	47.51	0.00
10	28.80	18.35	12.03	49.72	47.80	46.04	0.60
11	28.75	18.37	12.96	48.98	47.47	46.04	0.00
12	26.71	18.12	13.57	48.24	47.07	46.04	2.20
13	20.06	15.96	14.23	85.73	60.79	47.51	34.80
14	23.91	16.88	13.35	68.09	60.55	54.86	13.20
15	23.91	15.87	12.19	109.98	76.65	62.21	33.00
16	26.27	16.76	12.14	65.15	59.57	55.60	2.60
17	26.27	17.07	12.69	56.33	53.93	51.19	0.20
18	27.26	18.23	14.23	52.65	51.37	49.72	3.80
19	28.09	18.72	13.29	51.92	49.99	48.24	0.40
20	28.20	17.79	13.18	57.07	50.01	47.51	7.60
21	28.31	18.42	11.81	50.45	48.68	46.04	0.00
22	28.86	18.18	12.63	49.72	47.97	46.77	1.80
23	30.89	19.10	13.29	48.98	47.39	46.04	0.20
24	28.80	17.93	12.74	48.24	46.78	45.30	0.00
25	29.52	18.67	11.92	48.24	46.26	44.57	0.00
26	28.64	18.34	12.74	47.51	46.14	44.57	0.40
27	27.65	18.11	13.46	54.86	47.10	44.57	9.40
28	20.50	16.26	13.68	69.56	49.75	46.04	17.40
29	23.69	15.83	13.73	105.58	73.30	58.53	20.20
30	24.07	16.85	13.35	61.48	57.28	53.39	9.40
31	26.38	16.12	12.80	118.07	61.71	49.72	54.00
TOTAL							302.50
PROM	26.82	17.56	12.80	63.56	53.67	49.22	9.76

Cuadro 1: Resumen de análisis hidroclimatológico

**Estación: San Juan**  
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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	2	0	1	1	2	1	1	0	4	43.60	2.17	9.03	60.00	24.60	22.71	81.60
2	0	1	4	0	1	1	3	0	5	4.80	1.25	5.21	45.00	1.80	2.16	9.60
3	2	0	1	0	1	0	1	1	3	32.10	2.50	10.42	105.00	19.80	10.80	64.80
4	0	0	1	0	1	0	0	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
5	0	0	1	0	0	0	1	0	1	0.40	0.17	0.69	20.00	0.40	0.96	2.40
6	0	2	3	0	1	1	3	0	5	10.00	2.25	9.38	40.00	4.00	5.33	14.40
7	0	0	1	0	1	0	0	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
8	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	2	0	0	0	1	1	2	0.60	0.25	1.04	15.00	0.40	1.20	2.40
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	4	0	1	0	2	1	4	2.20	0.67	2.78	40.00	1.20	1.60	4.80
13	0	2	6	0	2	2	2	2	8	34.80	7.25	30.21	305.00	25.20	4.88	21.60
14	0	1	9	1	2	1	4	4	11	13.20	2.50	10.42	85.00	10.00	6.67	21.60
15	0	2	3	0	1	0	2	2	5	33.00	6.25	26.04	375.00	28.20	4.45	21.60
16	0	1	1	0	0	0	1	1	2	2.60	0.50	2.08	30.00	2.40	4.11	12.00
17	0	0	1	0	0	0	1	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
18	0	1	2	0	0	0	0	3	3	3.80	1.08	4.51	30.00	1.60	2.74	7.20
19	0	0	2	0	2	0	0	0	2	0.40	0.17	0.69	10.00	0.20	0.80	2.40
20	1	1	0	0	0	0	2	0	2	7.60	0.83	3.47	30.00	4.80	8.23	26.40
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	1	1	0	0	1	1	0	2	1.80	0.33	1.39	20.00	1.60	3.84	12.00
23	0	0	1	0	1	0	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	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0	0	2	0	0	0	2	0	2	0.40	0.17	0.69	10.00	0.20	0.80	2.40
27	0	1	0	0	0	0	1	0	1	9.40	0.92	3.82	100.00	9.40	5.37	28.80
28	0	2	4	0	0	1	3	2	6	17.40	3.17	13.19	165.00	11.00	3.88	19.20
29	0	1	6	0	3	3	1	0	7	20.20	6.25	26.04	310.00	11.40	2.17	7.20
30	0	0	1	0	1	0	0	0	1	9.40	3.83	15.97	410.00	9.40	1.36	4.80
31	1	1	1	0	0	1	1	1	3	54.00	2.42	10.07	155.00	52.00	19.50	72.00
MAX	2	2	9	1	3	3	4	4	11	54.00	7.25	30.21	410.00	52.00	22.71	81.60
TOTAL	6	17	58	2	20	12	33	18	83	302.50	45.25	6.08				

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