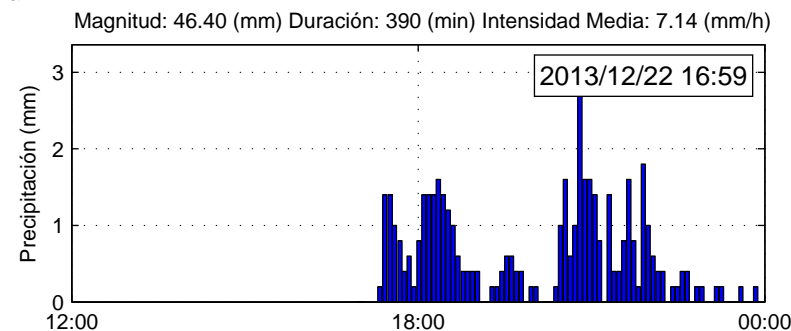
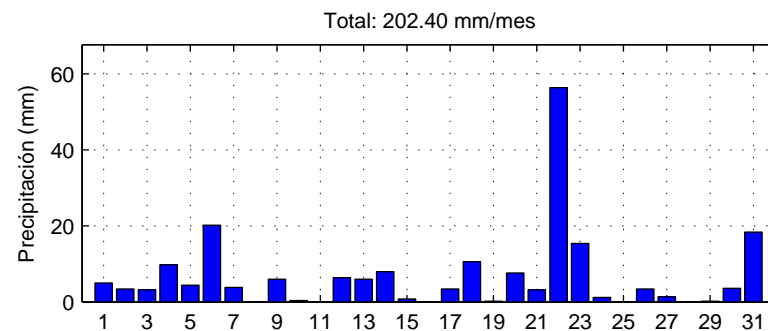
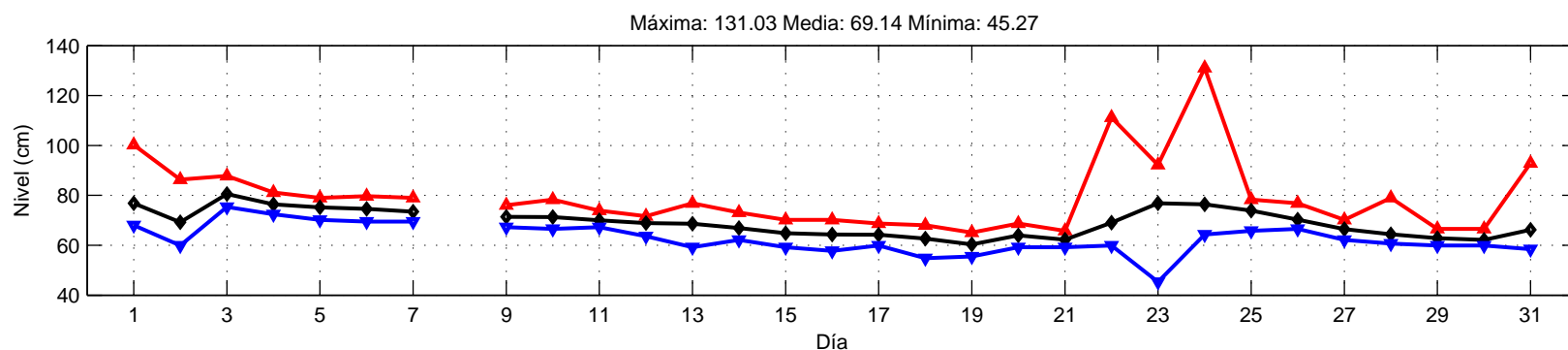
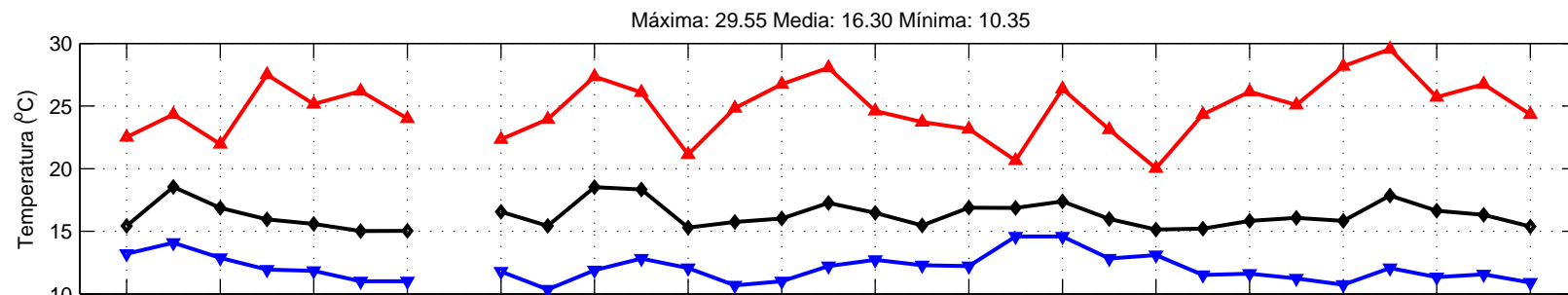


**Estación: El Cedral**  
**Fecha: Diciembre de 2013**  
**Registros: 30 de 31**

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	22.51	15.43	13.21	100.25	76.85	67.99	5.00
2	24.32	18.54	14.09	86.32	69.20	59.93	3.40
3	21.96	16.86	12.88	87.78	80.55	75.32	3.20
4	27.51	15.96	11.95	81.19	76.37	72.39	9.80
5	25.15	15.59	11.84	78.99	75.22	70.19	4.40
6	26.19	15.01	11.01	79.72	74.59	69.46	20.20
7	23.99	15.04	11.01	78.99	73.44	69.46	3.80
8							
9	22.34	16.55	11.78	76.06	71.41	67.26	6.00
10	23.94	15.43	10.35	78.26	71.28	66.53	0.40
11	27.35	18.52	11.89	73.86	70.04	67.26	0.00
12	26.08	18.33	12.83	71.66	68.90	63.60	6.40
13	21.13	15.30	12.06	76.79	68.67	59.20	6.00
14	24.82	15.75	10.68	73.12	66.93	62.13	8.00
15	26.74	16.01	11.01	70.19	64.84	59.20	0.80
16	28.06	17.27	12.22	70.19	64.29	57.73	0.00
17	24.60	16.48	12.72	68.73	64.18	59.93	3.40
18	23.72	15.47	12.28	67.99	62.66	54.80	10.60
19	23.17	16.89	12.22	65.06	60.38	55.53	0.20
20	20.64	16.86	14.59	68.73	63.94	59.20	7.60
21	26.36	17.39	14.59	65.79	62.22	59.20	3.20
22	23.11	15.99	12.83	111.24	69.07	59.93	56.40
23	20.03	15.14	13.10	92.18	76.83	45.27	15.40
24	24.32	15.20	11.51	131.03	76.38	64.33	1.20
25	26.14	15.83	11.62	78.26	73.87	65.79	0.00
26	25.09	16.06	11.23	76.79	70.26	66.53	3.40
27	28.17	15.82	10.74	70.19	66.43	62.13	1.40
28	29.55	17.84	12.06	78.99	64.37	60.66	0.00
29	25.70	16.65	11.34	66.53	62.80	59.93	0.20
30	26.74	16.32	11.56	66.53	62.14	59.93	3.60
31	24.32	15.38	10.90	92.92	66.19	58.47	18.40
TOTAL							202.40
PROM	24.79	16.30	12.07	79.48	69.14	62.64	6.75

Cuadro 1: Resumen de análisis hidroclimatológico

**Estación: El Cedral**  
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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	1	2	0	3	0	0	0	3	5.00	1.42	5.90	85.00	4.00	2.67	12.00
2	0	1	3	0	0	3	1	0	4	3.40	0.58	2.43	25.00	2.80	5.60	16.80
3	0	0	3	0	0	0	0	3	3	3.20	0.92	3.82	70.00	2.80	2.24	9.60
4	1	0	0	0	0	0	1	0	1	9.80	0.58	2.43	40.00	9.80	13.07	36.00
5	0	1	1	0	1	0	1	0	2	4.40	0.58	2.43	45.00	4.20	5.04	24.00
6	1	0	2	0	0	1	2	0	3	20.20	1.08	4.51	75.00	19.80	14.85	55.20
7	0	1	1	0	0	0	2	0	2	3.80	0.92	3.82	75.00	3.60	2.70	9.60
8																
9	1	0	0	0	0	0	1	0	1	6.00	0.33	1.39	25.00	6.00	12.00	36.00
10	0	0	2	0	1	1	0	0	2	0.40	0.17	0.69	10.00	0.20	0.80	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	1	0	2	0	0	0	1	2	3	6.40	0.83	3.47	30.00	5.00	8.57	31.20
13	0	1	3	0	0	0	4	0	4	6.00	1.17	4.86	55.00	4.80	4.80	21.60
14	1	0	3	0	1	0	3	0	4	8.00	1.25	5.21	45.00	6.40	7.68	21.60
15	0	0	3	0	1	1	1	0	3	0.80	0.33	1.39	15.00	0.40	1.20	2.40
16	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0	1	3	0	0	0	2	2	4	3.40	1.00	4.17	30.00	1.60	2.74	4.80
18	0	2	1	0	1	0	2	0	3	10.60	2.00	8.33	115.00	7.80	3.90	16.80
19	0	0	1	0	1	0	0	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
20	0	1	6	0	0	4	1	2	7	7.60	2.50	10.42	75.00	3.60	2.70	9.60
21	0	0	6	1	2	1	1	3	7	3.20	1.00	4.17	30.00	1.20	2.06	12.00
22	0	4	3	1	2	2	4	0	8	56.40	7.08	29.51	390.00	46.40	7.05	33.60
23	0	1	8	1	6	1	2	1	10	15.40	4.50	18.75	185.00	8.60	2.72	16.80
24	0	0	3	0	1	1	1	0	3	1.20	0.42	1.74	15.00	0.60	1.80	4.80
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	1	0	0	0	0	1	0	1	3.40	0.33	1.39	30.00	3.40	5.83	31.20
27	0	0	3	0	1	0	2	0	3	1.40	0.42	1.74	25.00	1.00	2.00	7.20
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	1	0	1	0	0	0	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
30	0	0	3	0	0	0	3	0	3	3.60	1.17	4.86	90.00	2.60	1.64	7.20
31	1	0	2	0	1	0	1	1	3	18.40	1.25	5.21	100.00	18.00	10.29	122.40
MAX	1	4	8	1	6	4	4	3	10	56.40	7.08	29.51	390.00	46.40	14.85	122.40
TOTAL	6	15	65	3	23	15	37	14	89	202.40	32.00	4.30				

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