

Estación: El Cedral Fecha: Agosto de 2012 Registros: 22 de 31

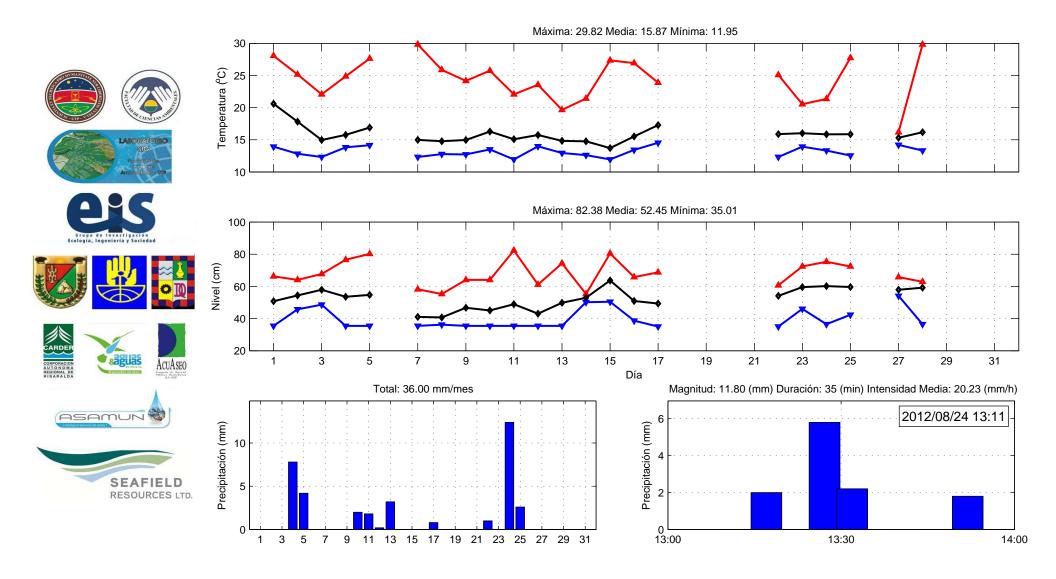
Reporte hidroclimatológico mensual

Red Hidroclimatológica del Departamento de Risaralda

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



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Día (°C) (cm) (mm) (mm) 1 28.06 20.59 13.93 66.26 50.79 35.47 0.00 2 25.15 17.81 12.83 64.06 54.40 45.73 0.00 3 22.07 14.97 12.33 67.72 57.86 48.66 0.00 4 24.87 15.76 13.82 76.52 53.56 35.47 7.80 5 27.62 16.91 14.15 80.18 54.68 35.47 7.80 6		Т	emperatu	ra		Nivel	Precipitación		
1 28.06 20.59 13.93 66.26 50.79 35.47 0.00 2 25.15 17.81 12.83 64.06 54.40 45.73 0.00 3 22.07 14.97 12.33 67.72 57.86 48.66 0.00 4 24.87 15.76 13.82 76.52 53.56 35.47 7.80 5 27.62 16.91 14.15 80.18 54.68 35.47 4.20 6	Día		(°C)			(cm)	(mm)		
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4 24.87 15.76 13.82 76.52 53.56 35.47 7.80 5 27.62 16.91 14.15 80.18 54.68 35.47 4.20 6 7 29.82 14.99 12.33 58.19 41.01 35.47 0.00 8 25.86 14.78 12.77 55.26 40.72 36.20 0.00 9 24.16 14.96 12.72 64.06 46.67 35.47 0.00 10 25.75 16.28 13.49 64.06 45.01 35.47 2.00 11 22.07 15.08 11.95 82.38 48.90 35.47 1.80 12 23.55 15.74 13.98 61.12 43.07 35.47 0.20 13 19.65 14.83 12.94 74.32 49.84 35.47 3.20 14 21.41 14.75 12.61 55.26 52.95 50.13 0.00 15 27.35 13.71 11.95 80.46 63.66 50.40 0.00	2	25.15	17.81	12.83	64.06	54.40	45.73	0.00	
5 27.62 16.91 14.15 80.18 54.68 35.47 4.20 6 7 29.82 14.99 12.33 58.19 41.01 35.47 0.00 8 25.86 14.78 12.77 55.26 40.72 36.20 0.00 9 24.16 14.96 12.72 64.06 46.67 35.47 0.00 10 25.75 16.28 13.49 64.06 45.01 35.47 2.00 11 22.07 15.08 11.95 82.38 48.90 35.47 1.80 12 23.55 15.74 13.98 61.12 43.07 35.47 0.20 13 19.65 14.83 12.94 74.32 49.84 35.47 3.20 14 21.41 14.75 12.61 55.26 52.95 50.13 0.00 15 27.35 13.71 11.95 80.46 63.66 50.40 0.00 16 <t< td=""><td>3</td><td>22.07</td><td>14.97</td><td>12.33</td><td>67.72</td><td>57.86</td><td>48.66</td><td>0.00</td></t<>	3	22.07	14.97	12.33	67.72	57.86	48.66	0.00	
6 29.82 14.99 12.33 58.19 41.01 35.47 0.00 8 25.86 14.78 12.77 55.26 40.72 36.20 0.00 9 24.16 14.96 12.72 64.06 46.67 35.47 0.00 10 25.75 16.28 13.49 64.06 45.01 35.47 2.00 11 22.07 15.08 11.95 82.38 48.90 35.47 1.80 12 23.55 15.74 13.98 61.12 43.07 35.47 0.20 13 19.65 14.83 12.94 74.32 49.84 35.47 3.20 14 21.41 14.75 12.61 55.26 52.95 50.13 0.00 15 27.35 13.71 11.95 80.46 63.66 50.40 0.00 16 26.91 15.51 13.43 65.79 50.93 38.67 0.00 20 15.88	1	24.87	15.76	13.82	76.52	53.56	35.47	7.80	
7 29.82 14.99 12.33 58.19 41.01 35.47 0.00 8 25.86 14.78 12.77 55.26 40.72 36.20 0.00 9 24.16 14.96 12.72 64.06 46.67 35.47 0.00 10 25.75 16.28 13.49 64.06 45.01 35.47 2.00 11 22.07 15.08 11.95 82.38 48.90 35.47 1.80 12 23.55 15.74 13.98 61.12 43.07 35.47 0.20 13 19.65 14.83 12.94 74.32 49.84 35.47 3.20 14 21.41 14.75 12.61 55.26 52.95 50.13 0.00 15 27.35 13.71 11.95 80.46 63.66 50.40 0.00 16 26.91 15.51 13.43 65.79 50.93 38.67 0.00 21 22	5	27.62	16.91	14.15	80.18	54.68	35.47	4.20	
8 25.86 14.78 12.77 55.26 40.72 36.20 0.00 9 24.16 14.96 12.72 64.06 46.67 35.47 0.00 10 25.75 16.28 13.49 64.06 45.01 35.47 2.00 11 22.07 15.08 11.95 82.38 48.90 35.47 1.80 12 23.55 15.74 13.98 61.12 43.07 35.47 0.20 13 19.65 14.83 12.94 74.32 49.84 35.47 3.20 14 21.41 14.75 12.61 55.26 52.95 50.13 0.00 15 27.35 13.71 11.95 80.46 63.66 50.40 0.00 16 26.91 15.51 13.43 65.79 50.93 38.67 0.00 18 19 19 19 19 19 19 19 19 19 19 19	1								
9 24.16 14.96 12.72 64.06 46.67 35.47 0.00 10 25.75 16.28 13.49 64.06 45.01 35.47 2.00 11 22.07 15.08 11.95 82.38 48.90 35.47 1.80 12 23.55 15.74 13.98 61.12 43.07 35.47 0.20 13 19.65 14.83 12.94 74.32 49.84 35.47 3.20 14 21.41 14.75 12.61 55.26 52.95 50.13 0.00 15 27.35 13.71 11.95 80.46 63.66 50.40 0.00 16 26.91 15.51 13.43 65.79 50.93 38.67 0.00 17 23.88 17.28 14.53 68.73 49.36 35.01 0.80 18 19 20 21 22 25.09 15.88 12.33 60.66 54.11 35.01 0.80 23 20.53 16.02 13.93 72.39 59.53 46.00 0.00 24 21.35 15.84 13.32 75.32 60.20 36.48 12.40 25 27.73 15.86 12.55 72.39 59.59 42.34 2.60 26 27 16.18 15.31 14.20 65.79 57.93 54.07 0.00 28 29.82 16.17 13.32 62.86 59.22 36.48 0.00 TOTAL 35.01 10.00 36.00	7	29.82	14.99		58.19	41.01	35.47	0.00	
10 25.75 16.28 13.49 64.06 45.01 35.47 2.00 11 22.07 15.08 11.95 82.38 48.90 35.47 1.80 12 23.55 15.74 13.98 61.12 43.07 35.47 0.20 13 19.65 14.83 12.94 74.32 49.84 35.47 3.20 14 21.41 14.75 12.61 55.26 52.95 50.13 0.00 15 27.35 13.71 11.95 80.46 63.66 50.40 0.00 16 26.91 15.51 13.43 65.79 50.93 38.67 0.00 17 23.88 17.28 14.53 68.73 49.36 35.01 0.80 18 19 13.93 72.39 59.53 46.00 0.00 21 22 25.09 15.88 12.33 60.66 54.11 35.01 1.00 23 20.53		25.86	14.78	12.77	55.26	40.72	36.20	0.00	
11 22.07 15.08 11.95 82.38 48.90 35.47 1.80 12 23.55 15.74 13.98 61.12 43.07 35.47 0.20 13 19.65 14.83 12.94 74.32 49.84 35.47 3.20 14 21.41 14.75 12.61 55.26 52.95 50.13 0.00 15 27.35 13.71 11.95 80.46 63.66 50.40 0.00 16 26.91 15.51 13.43 65.79 50.93 38.67 0.00 17 23.88 17.28 14.53 68.73 49.36 35.01 0.80 18 19 19 19 19 19 19 19 19 19 19 19 10	9	24.16	14.96	12.72	64.06	46.67	35.47	0.00	
12 23.55 15.74 13.98 61.12 43.07 35.47 0.20 13 19.65 14.83 12.94 74.32 49.84 35.47 3.20 14 21.41 14.75 12.61 55.26 52.95 50.13 0.00 15 27.35 13.71 11.95 80.46 63.66 50.40 0.00 16 26.91 15.51 13.43 65.79 50.93 38.67 0.00 17 23.88 17.28 14.53 68.73 49.36 35.01 0.80 18 19 20 21 22 25.09 15.88 12.33 60.66 54.11 35.01 1.00 23 20.53 16.02 13.93 72.39 59.53 46.00 0.00 24 21.35 15.84 13.32 75.32 60.20 36.48 12.40 25 27.73 15.86 12.55 72.39 59.59 42.34 2.60 26 27 16.18 15.31 14.20 65.79	10	25.75	16.28	13.49	64.06	45.01	35.47	2.00	
13 19.65 14.83 12.94 74.32 49.84 35.47 3.20 14 21.41 14.75 12.61 55.26 52.95 50.13 0.00 15 27.35 13.71 11.95 80.46 63.66 50.40 0.00 16 26.91 15.51 13.43 65.79 50.93 38.67 0.00 17 23.88 17.28 14.53 68.73 49.36 35.01 0.80 18 19 10	11	22.07	15.08	11.95	82.38	48.90	35.47	1.80	
14 21.41 14.75 12.61 55.26 52.95 50.13 0.00 15 27.35 13.71 11.95 80.46 63.66 50.40 0.00 16 26.91 15.51 13.43 65.79 50.93 38.67 0.00 17 23.88 17.28 14.53 68.73 49.36 35.01 0.80 18 19 10 <td>12</td> <td>23.55</td> <td>15.74</td> <td>13.98</td> <td>61.12</td> <td>43.07</td> <td>35.47</td> <td>0.20</td>	12	23.55	15.74	13.98	61.12	43.07	35.47	0.20	
15 27.35 13.71 11.95 80.46 63.66 50.40 0.00 16 26.91 15.51 13.43 65.79 50.93 38.67 0.00 17 23.88 17.28 14.53 68.73 49.36 35.01 0.80 18 19 0 0 0 0 0 0.80 20 21 0	13	19.65	14.83	12.94	74.32	49.84	35.47	3.20	
16 26.91 15.51 13.43 65.79 50.93 38.67 0.00 17 23.88 17.28 14.53 68.73 49.36 35.01 0.80 18 19 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	14	21.41	14.75	12.61	55.26	52.95	50.13	0.00	
17 23.88 17.28 14.53 68.73 49.36 35.01 0.80 18 19 20 21 22 25.09 15.88 12.33 60.66 54.11 35.01 1.00 23 20.53 16.02 13.93 72.39 59.53 46.00 0.00 24 21.35 15.84 13.32 75.32 60.20 36.48 12.40 25 27.73 15.86 12.55 72.39 59.59 42.34 2.60 26 27 16.18 15.31 14.20 65.79 57.93 54.07 0.00 28 29.82 16.17 13.32 62.86 59.22 36.48 0.00 29 30 31 36.00 36.00 36.00	15	27.35	13.71	11.95	80.46	63.66	50.40	0.00	
18 19 20 21 22 25.09 15.88 12.33 60.66 54.11 35.01 1.00 23 20.53 16.02 13.93 72.39 59.53 46.00 0.00 24 21.35 15.84 13.32 75.32 60.20 36.48 12.40 25 27.73 15.86 12.55 72.39 59.59 42.34 2.60 26 27 16.18 15.31 14.20 65.79 57.93 54.07 0.00 28 29.82 16.17 13.32 62.86 59.22 36.48 0.00 29 30 31 36.00		26.91						0.00	
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20 21 22 25.09 15.88 12.33 60.66 54.11 35.01 1.00 23 20.53 16.02 13.93 72.39 59.53 46.00 0.00 24 21.35 15.84 13.32 75.32 60.20 36.48 12.40 25 27.73 15.86 12.55 72.39 59.59 42.34 2.60 26 27 16.18 15.31 14.20 65.79 57.93 54.07 0.00 28 29.82 16.17 13.32 62.86 59.22 36.48 0.00 29 30 31 36.00									
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24 21.35 15.84 13.32 75.32 60.20 36.48 12.40 25 27.73 15.86 12.55 72.39 59.59 42.34 2.60 26 27 16.18 15.31 14.20 65.79 57.93 54.07 0.00 28 29.82 16.17 13.32 62.86 59.22 36.48 0.00 29 30 31 36.00	22	25.09	15.88	12.33	60.66	54.11	35.01	1.00	
25 27.73 15.86 12.55 72.39 59.59 42.34 2.60 26 27 16.18 15.31 14.20 65.79 57.93 54.07 0.00 28 29.82 16.17 13.32 62.86 59.22 36.48 0.00 29 30 31 31 36.00									
26 </td <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	1								
27 16.18 15.31 14.20 65.79 57.93 54.07 0.00 28 29.82 16.17 13.32 62.86 59.22 36.48 0.00 29 30 31 36.00		27.73	15.86	12.55	72.39	59.59	42.34	2.60	
28 29.82 16.17 13.32 62.86 59.22 36.48 0.00 29 30 31 31 36.00									
29 30 31 TOTAL 36.00	1							0.00	
30 31 TOTAL 36.00		29.82	16.17	13.32	62.86	59.22	36.48	0.00	
31 36.00 36.00									
TOTAL 36.00									
	31								
PROM 24.49 15.87 13.15 67.90 52.45 39.75 1.64	TOTAL							36.00	
	PROM	24.49	15.87	13.15	67.90	52.45	39.75	1.64	

Cuadro 1: Resúmen de análisis hidroclimatológico

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Día		Lluvi			Lluvias por jornada		CI I	PT	D)P	DM	MM	IMM	IM5		
Dia	F	inten M	sidad L	LL	Md	jorn Mñ	ada T	N	CLL	(mm)	(h)	(%)	(min)	(mm)	(mm/h)	(mm/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	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0	1	1	0	0	1	0	1	2	7.80	1.42	5.90	105.00	4.60	2.51	21.60
5	0	0	1	0	1	0	0	0	1	4.20	1.67	6.94	165.00	4.20	1.48	4.80
6																
7	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	4	0	0	0	0	4	4	2.00	0.75	3.13	60.00	1.40	1.29	4.80
11	0	0	9	0	8	1	0	0	9	1.80	0.75	3.13	10.00	0.20	0.80	2.40
12	0	0	1	0	0	0	0	1	1	0.20	0.08	0.35	10.00	0.20	0.80	2.40
13	0	2	0	0	0	1	1	0	2	3.20	0.75	3.13	45.00	2.00	2.40	4.80
14	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	0	3	0	0	0	3	0	3	0.80	0.25	1.04	10.00	0.40	1.60	4.80
18																
19																
20																
21																
22	0	0	1	0	0	0	0	1	1	1.00	0.25	1.04	35.00	1.00	1.50	7.20
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	1	1	0	0	0	0	2	0	2	12.40	0.42	1.74	35.00	11.80	17.70	69.60
25	0	0	2	0	2	0	0	0	2	2.60	1.00	4.17	100.00	2.40	1.37	4.80
26																
27	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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																
30																
31																
MAX	1	2	9	0	8	1	3	4	9	12.40	1.67	6.94	165.00	11.80	17.70	69.60
TOTAL	1	4	22	0	11	3	6	7	27	36.00	7.33	0.99				

Cuadro 1: Análisis mensual de lluvias

F	Fuerte	$7.6 \text{ (mm/h)} \leq \text{intensidad}$
M	Moderada	$2.5 \text{ (mm/h)} < \text{intensidad} \le 7.6 \text{ (mm/h)}$
L	Ligera	$1.0 \text{ (mm/h)} < \text{intensidad} \le 2.5 \text{ (mm/h)}$
LL	Llovizna	$1.0 \text{ (mm/h)} \ge \text{intensidad}$

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 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)