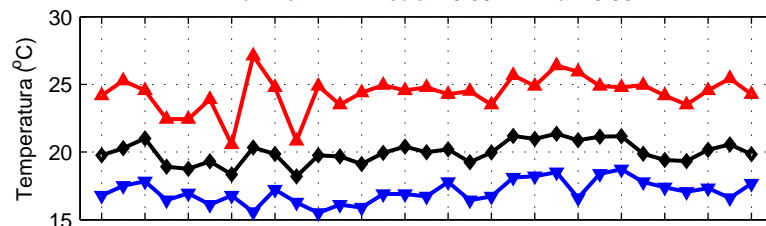


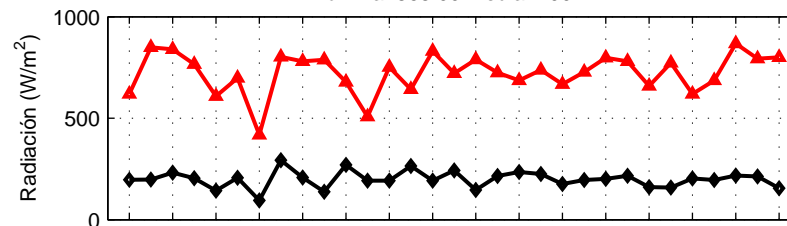
Estación: Lago
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Reporte climatológico mensual
Red Hidroclimatológica del Departamento de Risaralda
Revisó: Adm. Ambiental Víctor Manuel Bermúdez Marín. Operador REDH
Aprobó: Ing Ph.D. Juan Mauricio Castaño Rojas. Director REDH.
Contáctenos: <http://www.utp.edu.co/hidroclimatologica>

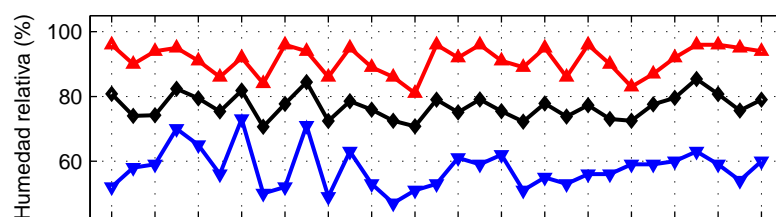
Máxima: 27.11 Media: 19.96 Mínima: 15.50



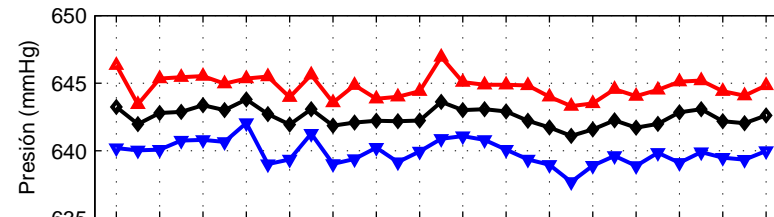
Máxima: 868.00 Media: 199.27



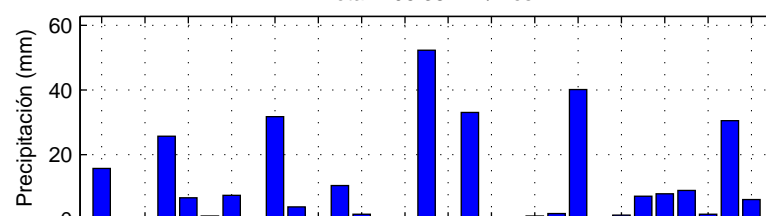
Máxima: 96.00 Media: 76.90 Mínima: 47.00



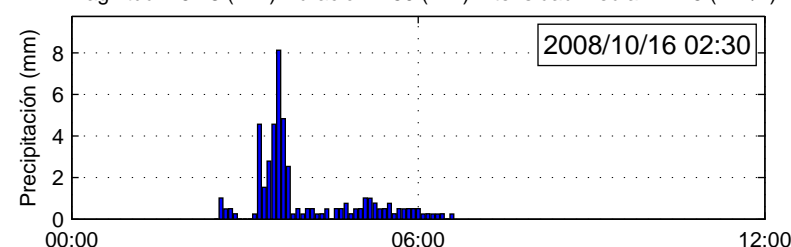
Máxima: 646.94 Media: 642.50 Mínima: 637.71



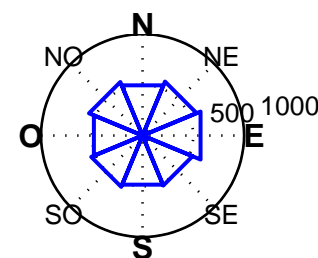
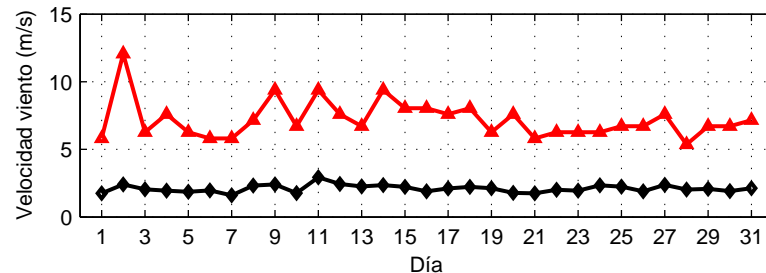
Total: 295.38 mm/mes



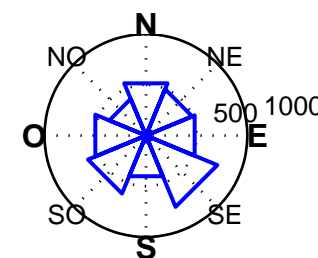
Magnitud: 46.48 (mm) Duración: 250 (min) Intensidad Media: 11.16 (mm/h)



Máxima: 12.07 Media: 2.10



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 | 24.17 | 19.76 | 16.78 | 5.81 | 1.75 | 643.24 | 80.79 | 15.74 | 1.70 | 619.00 | 196.11 |
| 2 | 25.28 | 20.28 | 17.50 | 12.07 | 2.41 | 641.97 | 74.00 | 0.00 | 1.88 | 849.00 | 197.58 |
| 3 | 24.56 | 21.01 | 17.83 | 6.26 | 2.05 | 642.80 | 74.19 | 0.00 | 1.88 | 840.00 | 231.77 |
| 4 | 22.44 | 18.92 | 16.44 | 7.60 | 1.94 | 642.87 | 82.38 | 25.65 | 1.83 | 766.00 | 204.41 |
| 5 | 22.44 | 18.75 | 16.94 | 6.26 | 1.87 | 643.37 | 79.40 | 6.61 | 1.52 | 608.00 | 142.56 |
| 6 | 23.89 | 19.32 | 16.11 | 5.81 | 1.96 | 643.01 | 75.34 | 1.02 | 2.19 | 698.00 | 206.15 |
| 7 | 20.56 | 18.34 | 16.78 | 5.81 | 1.60 | 643.80 | 81.85 | 7.36 | 1.07 | 418.00 | 94.69 |
| 8 | 27.11 | 20.33 | 15.56 | 7.16 | 2.33 | 642.72 | 70.64 | 0.00 | 2.90 | 802.00 | 293.41 |
| 9 | 24.78 | 19.86 | 17.22 | 9.39 | 2.40 | 641.94 | 77.72 | 31.75 | 2.08 | 780.00 | 207.63 |
| 10 | 20.83 | 18.20 | 16.28 | 6.71 | 1.76 | 643.08 | 84.41 | 3.81 | 1.17 | 788.00 | 137.66 |
| 11 | 24.89 | 19.75 | 15.50 | 9.39 | 2.93 | 641.85 | 72.42 | 0.00 | 2.95 | 679.00 | 270.23 |
| 12 | 23.50 | 19.67 | 16.11 | 7.60 | 2.44 | 642.08 | 78.50 | 10.41 | 1.91 | 508.00 | 192.68 |
| 13 | 24.39 | 19.12 | 15.89 | 6.71 | 2.26 | 642.22 | 75.91 | 1.52 | 2.11 | 752.00 | 191.89 |
| 14 | 24.94 | 19.94 | 16.89 | 9.39 | 2.37 | 642.18 | 72.46 | 0.00 | 2.77 | 642.00 | 264.89 |
| 15 | 24.56 | 20.39 | 16.89 | 8.05 | 2.22 | 642.24 | 70.75 | 0.00 | 2.16 | 831.00 | 191.86 |
| 16 | 24.78 | 19.98 | 16.72 | 8.05 | 1.90 | 643.62 | 79.02 | 52.32 | 2.21 | 721.00 | 242.29 |
| 17 | 24.28 | 20.20 | 17.78 | 7.60 | 2.12 | 643.01 | 75.11 | 0.00 | 1.68 | 789.00 | 146.22 |
| 18 | 24.50 | 19.25 | 16.44 | 8.05 | 2.23 | 643.08 | 79.11 | 33.02 | 1.93 | 724.00 | 215.24 |
| 19 | 23.50 | 19.97 | 16.72 | 6.26 | 2.13 | 642.90 | 75.41 | 0.00 | 2.36 | 686.00 | 234.84 |
| 20 | 25.67 | 21.19 | 18.11 | 7.60 | 1.78 | 642.22 | 72.19 | 0.00 | 2.26 | 738.00 | 224.82 |
| 21 | 24.89 | 20.97 | 18.22 | 5.81 | 1.74 | 641.73 | 77.81 | 1.02 | 1.83 | 668.00 | 175.76 |
| 22 | 26.39 | 21.34 | 18.50 | 6.26 | 2.02 | 641.10 | 73.78 | 1.78 | 2.03 | 728.00 | 195.05 |
| 23 | 25.94 | 20.87 | 16.61 | 6.26 | 1.95 | 641.59 | 77.30 | 40.13 | 1.93 | 798.00 | 201.10 |
| 24 | 24.89 | 21.14 | 18.39 | 6.26 | 2.34 | 642.25 | 73.00 | 0.00 | 2.34 | 780.00 | 215.94 |
| 25 | 24.78 | 21.17 | 18.72 | 6.71 | 2.24 | 641.71 | 72.49 | 1.27 | 1.78 | 659.00 | 159.96 |
| 26 | 24.94 | 19.88 | 17.78 | 6.71 | 1.90 | 642.00 | 77.57 | 7.11 | 1.73 | 773.00 | 158.34 |
| 27 | 24.17 | 19.42 | 17.39 | 7.60 | 2.37 | 642.85 | 79.56 | 7.87 | 1.91 | 619.00 | 203.26 |
| 28 | 23.50 | 19.32 | 17.06 | 5.37 | 2.02 | 643.08 | 85.42 | 8.89 | 1.58 | 686.00 | 195.29 |
| 29 | 24.56 | 20.17 | 17.33 | 6.71 | 2.08 | 642.19 | 80.70 | 1.53 | 1.88 | 868.00 | 217.27 |
| 30 | 25.44 | 20.56 | 16.61 | 6.71 | 1.91 | 642.04 | 75.63 | 30.48 | 2.13 | 793.00 | 213.45 |
| 31 | 24.28 | 19.84 | 17.67 | 7.16 | 2.12 | 642.62 | 79.02 | 6.09 | 1.55 | 800.00 | 155.14 |
| TOTAL | | | | | | | | 295.38 | 61.25 | | |
| PROM | 24.35 | 19.96 | 17.06 | 7.20 | 2.10 | 642.50 | 76.90 | | | 722.90 | 199.27 |

Cuadro 1: Resumen de análisis climatológico

Estación: Lago
Fecha: Octubre de 2008
Registros: 31 de 31

Reporte climatológico mensual
 Red Hidroclimatológica del Departamento de Risaralda
 Revisó: Adm. Ambiental Victor Manuel Bermúdez Marín. Operador REDH
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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 | 2 | 2 | 0 | 2 | 2 | 0 | 0 | 4 | 15.74 | 3.08 | 12.85 | 95.00 | 9.40 | 5.64 | 12.24 |
| 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 | 2 | 5 | 0 | 1 | 4 | 2 | 0 | 7 | 25.65 | 3.83 | 15.97 | 190.00 | 22.10 | 6.80 | 24.36 |
| 5 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 2 | 6.61 | 0.83 | 3.47 | 50.00 | 6.35 | 6.93 | 15.24 |
| 6 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1.02 | 0.08 | 0.35 | 10.00 | 1.02 | 4.08 | 12.24 |
| 7 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 7.36 | 1.75 | 7.29 | 160.00 | 7.36 | 2.68 | 6.12 |
| 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 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 31.75 | 2.83 | 11.81 | 65.00 | 15.49 | 13.28 | 54.96 |
| 10 | 0 | 1 | 4 | 0 | 1 | 1 | 3 | 0 | 5 | 3.81 | 1.08 | 4.51 | 60.00 | 2.29 | 2.11 | 6.12 |
| 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 | 1 | 1 | 0 | 0 | 2 | 10.41 | 0.67 | 2.78 | 50.00 | 10.16 | 11.08 | 51.84 |
| 13 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 2 | 3 | 1.52 | 0.42 | 1.74 | 10.00 | 0.51 | 2.04 | 6.12 |
| 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 | 1 | 1 | 1 | 0 | 1 | 2 | 0 | 0 | 3 | 52.32 | 4.75 | 19.79 | 250.00 | 46.48 | 10.94 | 97.56 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 2 | 0 | 2 | 0 | 0 | 0 | 3 | 1 | 4 | 33.02 | 2.92 | 12.15 | 95.00 | 18.03 | 10.82 | 36.60 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 2 | 1.02 | 0.25 | 1.04 | 15.00 | 0.76 | 2.28 | 6.12 |
| 22 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 1.78 | 0.33 | 1.39 | 20.00 | 1.52 | 3.65 | 12.24 |
| 23 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 2 | 40.13 | 2.25 | 9.38 | 165.00 | 39.88 | 14.08 | 67.08 |
| 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 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 2 | 1.27 | 0.33 | 1.39 | 20.00 | 1.02 | 2.45 | 6.12 |
| 26 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 2 | 7.11 | 0.67 | 2.78 | 40.00 | 6.86 | 9.15 | 21.36 |
| 27 | 0 | 2 | 2 | 0 | 0 | 0 | 2 | 2 | 4 | 7.87 | 2.00 | 8.33 | 65.00 | 3.05 | 2.61 | 6.12 |
| 28 | 1 | 0 | 3 | 0 | 0 | 0 | 2 | 2 | 4 | 8.89 | 1.00 | 4.17 | 60.00 | 7.87 | 7.26 | 51.84 |
| 29 | 0 | 0 | 3 | 0 | 2 | 1 | 0 | 0 | 3 | 1.53 | 0.50 | 2.08 | 35.00 | 1.01 | 1.52 | 3.12 |
| 30 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 30.48 | 1.75 | 7.29 | 70.00 | 25.15 | 20.12 | 73.08 |
| 31 | 0 | 2 | 3 | 0 | 1 | 1 | 1 | 2 | 5 | 6.09 | 1.33 | 5.56 | 55.00 | 3.30 | 3.30 | 12.24 |
| MAX | 2 | 2 | 5 | 0 | 2 | 4 | 3 | 2 | 7 | 52.32 | 4.75 | 19.79 | 250.00 | 46.48 | 20.12 | 97.56 |
| TOTAL | 11 | 18 | 34 | 0 | 14 | 15 | 22 | 12 | 63 | 295.38 | 32.67 | 4.39 | | | | |

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