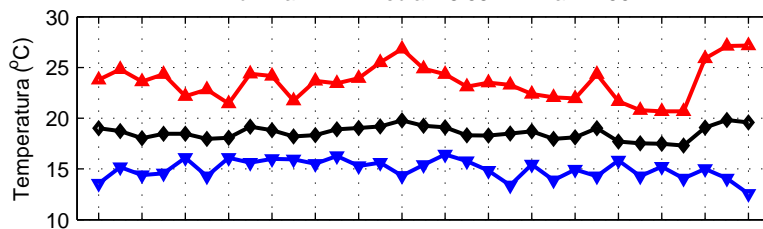


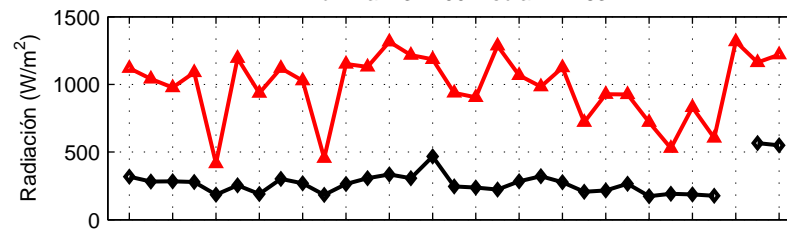
Estación: San Jose
Fecha: Agosto de 2014
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Reporte climatológico mensual
Red Hidroclimatológica del Departamento de Risaralda
Revisó: Adm. Ambiental Victor Manuel Bermúdez Marín. Operador REDH
Aprobó: Ing Ph.D. Juan Mauricio Castaño Rojas. Director REDH.
Contáctenos: <http://www.utp.edu.co/hidroclimatologica>

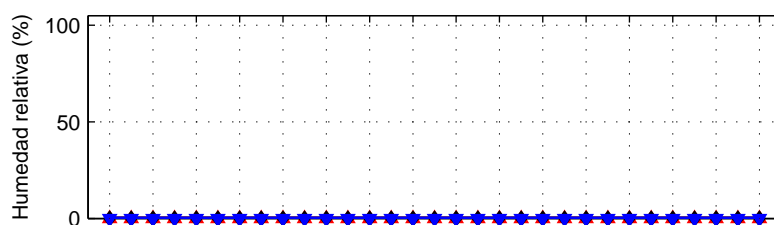
Máxima: 27.17 Media: 18.58 Mínima: 12.56



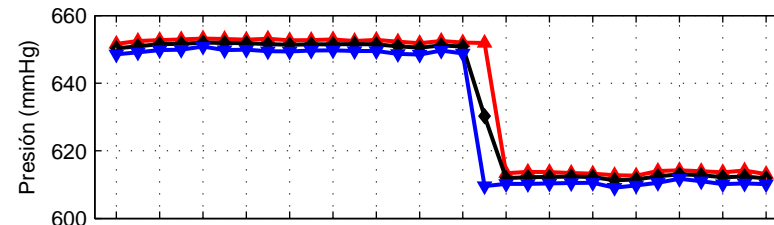
Máxima: 1317.00 Media: 277.83



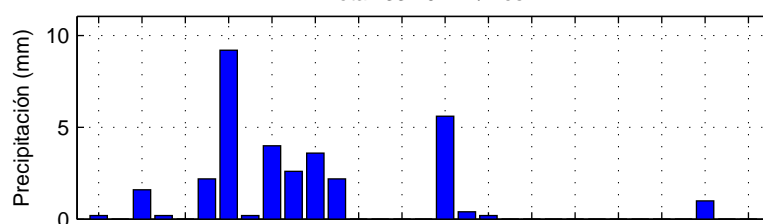
Máxima: 0.00 Media: 0.00 Mínima: 0.00



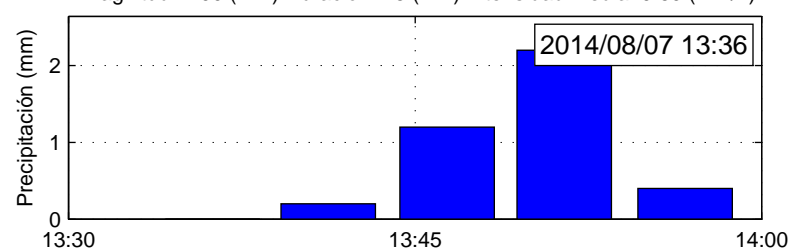
Máxima: 653.19 Media: 634.23 Mínima: 609.08



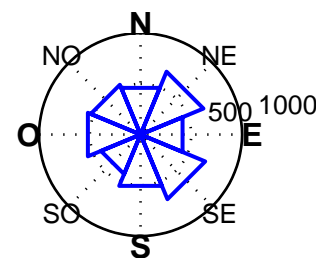
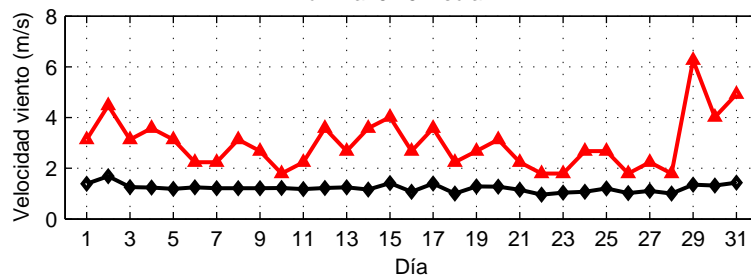
Total: 33.20 mm/mes



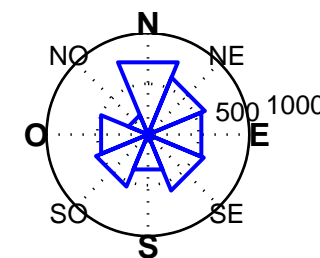
Magnitud: 4.00 (mm) Duración: 25 (min) Intensidad Media: 9.60 (mm/h)



Máxima: 6.26 Media: 1.22



Dirección del viento (Día)



Dirección del viento (Noche)



Estación: San Jose
Fecha: Agosto de 2014
Registros: 31 de 31

Red Hidroclimatológica del Departamento de Risaralda
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| Día | Temperatura (°C) | | | Vel. Viento (m/s) | | Presión (mmHg) | Humedad (%) | Precipitación (mm) | Evap (mm) | Radiación solar (W/m²) | |
|-------|------------------|-------|-------|-------------------|-------|----------------|-------------|--------------------|-----------|------------------------|--------|
| | Máx | Media | Mín | Máx | Media | Media | Media | Total | Total | Máx | Media |
| 1 | 23.78 | 19.01 | 13.56 | 3.13 | 1.39 | 650.29 | 0.00 | 0.20 | 2.95 | 1120.00 | 318.69 |
| 2 | 24.83 | 18.74 | 15.17 | 4.47 | 1.68 | 650.88 | 0.00 | 0.00 | 2.82 | 1041.00 | 282.28 |
| 3 | 23.61 | 18.03 | 14.39 | 3.13 | 1.26 | 651.55 | 0.00 | 1.60 | 2.67 | 977.00 | 283.73 |
| 4 | 24.33 | 18.47 | 14.56 | 3.58 | 1.24 | 651.59 | 0.00 | 0.20 | 2.77 | 1088.00 | 279.30 |
| 5 | 22.17 | 18.47 | 16.11 | 3.13 | 1.19 | 652.00 | 0.00 | 0.00 | 1.96 | 415.00 | 184.75 |
| 6 | 22.83 | 17.96 | 14.28 | 2.24 | 1.24 | 651.85 | 0.00 | 2.20 | 2.44 | 1194.00 | 254.53 |
| 7 | 21.44 | 18.07 | 16.11 | 2.24 | 1.22 | 651.81 | 0.00 | 9.20 | 2.13 | 935.00 | 189.72 |
| 8 | 24.39 | 19.17 | 15.61 | 3.13 | 1.21 | 651.58 | 0.00 | 0.20 | 2.80 | 1120.00 | 300.68 |
| 9 | 24.17 | 18.81 | 16.00 | 2.68 | 1.21 | 651.38 | 0.00 | 4.00 | 2.69 | 1027.00 | 268.40 |
| 10 | 21.72 | 18.21 | 15.94 | 1.79 | 1.22 | 651.48 | 0.00 | 2.60 | 2.03 | 455.00 | 183.05 |
| 11 | 23.67 | 18.34 | 15.50 | 2.24 | 1.18 | 651.52 | 0.00 | 3.60 | 2.57 | 1151.00 | 263.93 |
| 12 | 23.44 | 18.91 | 16.28 | 3.58 | 1.22 | 651.54 | 0.00 | 2.20 | 2.73 | 1130.00 | 306.45 |
| 13 | 23.94 | 19.04 | 15.28 | 2.68 | 1.25 | 651.46 | 0.00 | 0.00 | 3.20 | 1315.00 | 334.35 |
| 14 | 25.50 | 19.20 | 15.61 | 3.58 | 1.16 | 650.87 | 0.00 | 0.00 | 2.87 | 1216.00 | 305.83 |
| 15 | 26.83 | 19.78 | 14.33 | 4.02 | 1.41 | 650.51 | 0.00 | 0.00 | 4.14 | 1185.00 | 466.72 |
| 16 | 24.89 | 19.26 | 15.39 | 2.68 | 1.07 | 651.15 | 0.00 | 0.00 | 2.44 | 937.00 | 244.90 |
| 17 | 24.33 | 19.10 | 16.44 | 3.58 | 1.40 | 650.82 | 0.00 | 5.60 | 2.36 | 904.00 | 237.38 |
| 18 | 23.11 | 18.32 | 15.78 | 2.24 | 1.01 | 630.27 | 0.00 | 0.40 | 2.26 | 1285.00 | 222.83 |
| 19 | 23.50 | 18.30 | 14.83 | 2.68 | 1.28 | 611.96 | 0.00 | 0.20 | 2.72 | 1067.00 | 282.60 |
| 20 | 23.28 | 18.49 | 13.39 | 3.13 | 1.27 | 612.21 | 0.00 | 0.00 | 2.90 | 984.00 | 320.54 |
| 21 | 22.39 | 18.71 | 15.44 | 2.24 | 1.15 | 612.28 | 0.00 | 0.00 | 2.54 | 1125.00 | 276.50 |
| 22 | 22.06 | 17.95 | 13.89 | 1.79 | 0.96 | 612.37 | 0.00 | 0.00 | 2.11 | 721.00 | 205.97 |
| 23 | 21.94 | 18.13 | 14.94 | 1.79 | 1.04 | 612.25 | 0.00 | 0.00 | 2.13 | 928.00 | 215.60 |
| 24 | 24.33 | 19.02 | 14.28 | 2.68 | 1.08 | 611.25 | 0.00 | 0.00 | 2.46 | 926.00 | 264.70 |
| 25 | 21.67 | 17.71 | 15.83 | 2.68 | 1.20 | 611.51 | 0.00 | 0.00 | 1.91 | 721.00 | 172.91 |
| 26 | 20.78 | 17.51 | 14.28 | 1.79 | 1.02 | 612.45 | 0.00 | 0.00 | 2.03 | 529.00 | 191.08 |
| 27 | 20.67 | 17.48 | 15.22 | 2.24 | 1.11 | 613.06 | 0.00 | 0.00 | 2.06 | 830.00 | 185.66 |
| 28 | 20.67 | 17.30 | 14.06 | 1.79 | 1.00 | 612.79 | 0.00 | 0.00 | 1.83 | 603.00 | 176.39 |
| 29 | 25.89 | 19.08 | 15.00 | 6.26 | 1.36 | 612.19 | 0.00 | 1.00 | 3.66 | 1317.00 | |
| 30 | 27.11 | 19.83 | 14.06 | 4.02 | 1.32 | 612.37 | 0.00 | 0.00 | 4.98 | 1162.00 | 566.20 |
| 31 | 27.17 | 19.59 | 12.56 | 4.92 | 1.43 | 611.86 | 0.00 | 0.00 | 4.73 | 1220.00 | 549.25 |
| TOTAL | | | | | | | | 33.20 | 83.89 | | |
| PROM | 23.56 | 18.58 | 14.97 | 2.97 | 1.22 | 634.23 | 0.00 | | | 988.00 | 277.83 |

Cuadro 1: Resumen de análisis climatológico

Estación: San Jose
Fecha: Agosto de 2014
Registros: 31 de 31

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 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0.20 | 0.08 | 0.35 | 10.00 | 0.20 | 0.80 | 2.40 |
| 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 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 1.60 | 0.25 | 1.04 | 20.00 | 1.20 | 2.88 | 12.00 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 2.20 | 0.50 | 2.08 | 55.00 | 2.20 | 2.20 | 9.60 |
| 7 | 1 | 2 | 5 | 0 | 2 | 1 | 5 | 0 | 8 | 9.20 | 1.42 | 5.90 | 25.00 | 4.00 | 8.00 | 26.40 |
| 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 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 4.00 | 0.58 | 2.43 | 25.00 | 2.00 | 4.00 | 14.40 |
| 10 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 2 | 2.60 | 0.67 | 2.78 | 65.00 | 2.40 | 2.06 | 7.20 |
| 11 | 1 | 0 | 3 | 0 | 1 | 0 | 2 | 1 | 4 | 3.60 | 0.75 | 3.13 | 15.00 | 2.20 | 6.60 | 14.40 |
| 12 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 3 | 2.20 | 0.92 | 3.82 | 70.00 | 1.80 | 1.44 | 2.40 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 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 | 1 | 3 | 0 | 0 | 0 | 4 | 0 | 4 | 5.60 | 1.67 | 6.94 | 115.00 | 3.20 | 1.60 | 9.60 |
| 18 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 2 | 0.40 | 0.17 | 0.69 | 10.00 | 0.20 | 0.80 | 2.40 |
| 19 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0.20 | 0.08 | 0.35 | 10.00 | 0.20 | 0.80 | 2.40 |
| 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 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 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 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1.00 | 0.08 | 0.35 | 10.00 | 1.00 | 4.00 | 12.00 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MAX | 1 | 2 | 5 | 0 | 3 | 1 | 5 | 1 | 8 | 9.20 | 1.67 | 6.94 | 115.00 | 4.00 | 8.00 | 26.40 |
| TOTAL | 2 | 7 | 24 | 0 | 8 | 4 | 19 | 2 | 33 | 33.20 | 7.33 | 0.99 | | | | |

Cuadro 1: Análisis mensual de lluvias

| | | |
|----|----------|--|
| F | Fuerte | $7.6 \text{ (mm/h)} \leq \text{intensidad}$ |
| M | Moderada | $2.5 \text{ (mm/h)} < \text{intensidad} \leq 7.6 \text{ (mm/h)}$ |
| 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