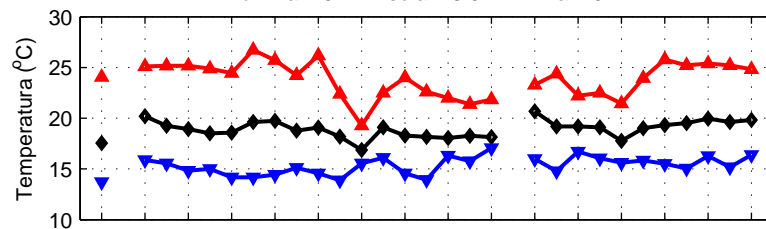


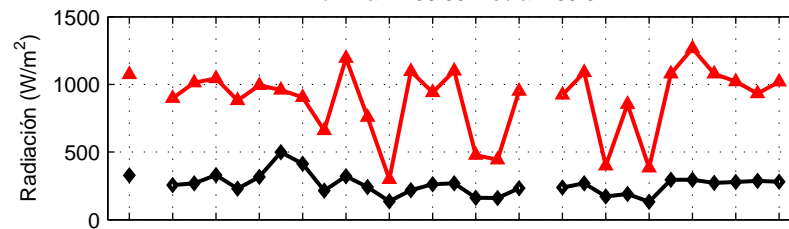
Estación: San Jose
Fecha: Enero de 2013
Registros: 29 de 31

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>

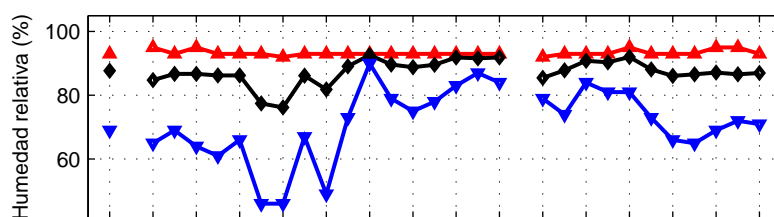
Máxima: 26.72 Media: 18.91 Mínima: 13.72



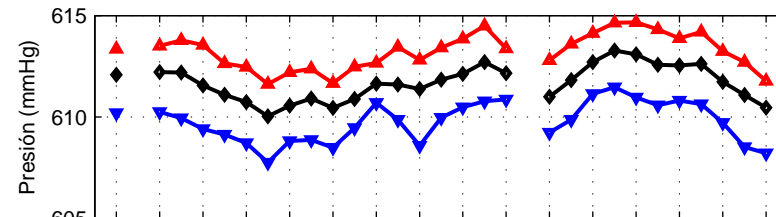
Máxima: 1266.00 Media: 260.62



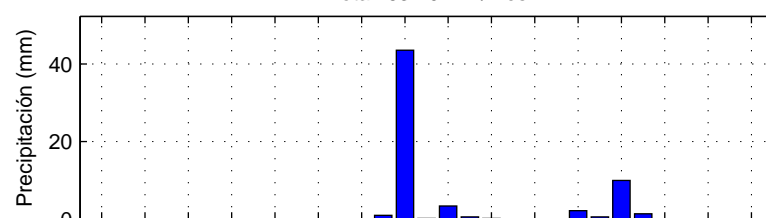
Máxima: 95.00 Media: 87.34 Mínima: 46.00



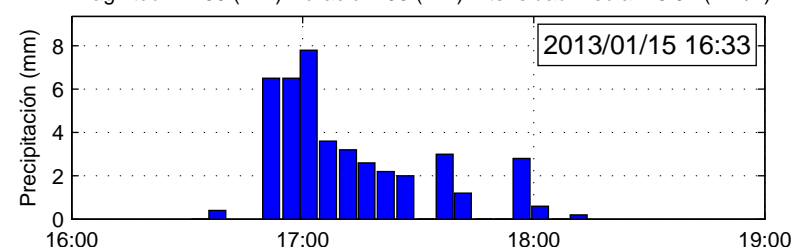
Máxima: 614.67 Media: 611.69 Mínima: 607.76



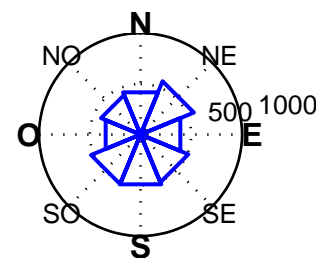
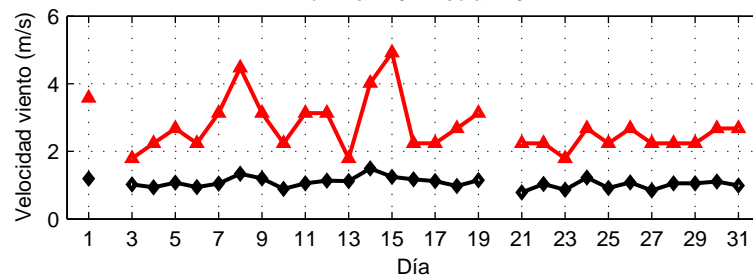
Total: 63.20 mm/mes



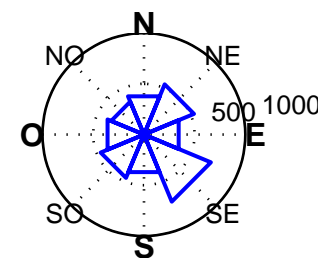
Magnitud: 42.60 (mm) Duración: 95 (min) Intensidad Media: 26.91 (mm/h)



Máxima: 4.92 Media: 1.07



Dirección del viento (Día)



Dirección del viento (Noche)



Estación: San Jose
Fecha: Enero de 2013
Registros: 29 de 31

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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 | 24.06 | 17.54 | 13.72 | 3.58 | 1.19 | 612.08 | 87.67 | 0.00 | 1.68 | 1074.00 | 327.29 |
| 2 | | | | | | | | | | | |
| 3 | 25.11 | 20.20 | 15.89 | 1.79 | 1.02 | 612.21 | 84.78 | 0.00 | 1.70 | 898.00 | 255.61 |
| 4 | 25.17 | 19.26 | 15.56 | 2.24 | 0.94 | 612.19 | 86.69 | 0.00 | 2.01 | 1013.00 | 268.19 |
| 5 | 25.17 | 18.92 | 14.83 | 2.68 | 1.07 | 611.56 | 86.75 | 0.00 | 2.49 | 1044.00 | 329.84 |
| 6 | 24.89 | 18.52 | 15.00 | 2.24 | 0.94 | 611.10 | 86.21 | 0.00 | 1.75 | 882.00 | 228.79 |
| 7 | 24.44 | 18.57 | 14.17 | 3.13 | 1.05 | 610.74 | 86.20 | 0.00 | 2.52 | 993.00 | 316.06 |
| 8 | 26.72 | 19.63 | 14.17 | 4.47 | 1.34 | 610.03 | 77.43 | 0.00 | 4.04 | 958.00 | 499.01 |
| 9 | 25.72 | 19.73 | 14.44 | 3.13 | 1.20 | 610.56 | 76.17 | 0.00 | 3.51 | 904.00 | 413.99 |
| 10 | 24.22 | 18.78 | 15.11 | 2.24 | 0.89 | 610.91 | 86.15 | 0.00 | 1.58 | 659.00 | 214.73 |
| 11 | 26.17 | 19.08 | 14.56 | 3.13 | 1.05 | 610.45 | 81.80 | 0.00 | 2.46 | 1194.00 | 321.82 |
| 12 | 22.39 | 18.18 | 13.89 | 3.13 | 1.13 | 610.89 | 89.08 | 0.00 | 1.80 | 758.00 | 241.01 |
| 13 | 19.28 | 16.87 | 15.56 | 1.79 | 1.12 | 611.65 | 92.61 | 0.00 | 0.20 | 299.00 | 134.90 |
| 14 | 22.50 | 19.10 | 16.11 | 4.02 | 1.49 | 611.60 | 89.66 | 1.00 | 1.37 | 1097.00 | 217.82 |
| 15 | 24.00 | 18.28 | 14.56 | 4.92 | 1.25 | 611.38 | 88.84 | 43.60 | 1.65 | 940.00 | 261.23 |
| 16 | 22.61 | 18.16 | 13.94 | 2.24 | 1.17 | 611.84 | 89.54 | 0.20 | 1.93 | 1100.00 | 268.79 |
| 17 | 22.00 | 18.05 | 16.33 | 2.24 | 1.12 | 612.13 | 91.86 | 3.40 | 1.17 | 478.00 | 161.40 |
| 18 | 21.39 | 18.26 | 15.78 | 2.68 | 0.98 | 612.71 | 91.57 | 0.60 | 1.17 | 443.00 | 159.83 |
| 19 | 21.83 | 18.14 | 17.06 | 3.13 | 1.15 | 612.15 | 91.88 | 0.20 | 0.58 | 951.00 | 232.17 |
| 20 | | | | | | | | | | | |
| 21 | 23.28 | 20.67 | 16.00 | 2.24 | 0.79 | 611.00 | 85.48 | 0.00 | 1.55 | 923.00 | 236.89 |
| 22 | 24.39 | 19.18 | 14.78 | 2.24 | 1.03 | 611.82 | 87.82 | 0.00 | 2.11 | 1088.00 | 268.67 |
| 23 | 22.22 | 19.18 | 16.72 | 1.79 | 0.87 | 612.70 | 90.83 | 2.20 | 1.27 | 399.00 | 171.60 |
| 24 | 22.50 | 19.10 | 16.06 | 2.68 | 1.23 | 613.28 | 90.34 | 0.60 | 1.40 | 854.00 | 189.41 |
| 25 | 21.44 | 17.76 | 15.61 | 2.24 | 0.92 | 613.09 | 92.04 | 10.00 | 0.91 | 383.00 | 133.00 |
| 26 | 23.94 | 19.02 | 15.83 | 2.68 | 1.08 | 612.57 | 88.08 | 1.40 | 2.21 | 1079.00 | 295.63 |
| 27 | 25.78 | 19.31 | 15.50 | 2.24 | 0.84 | 612.54 | 86.11 | 0.00 | 2.21 | 1266.00 | 294.46 |
| 28 | 25.22 | 19.52 | 15.06 | 2.24 | 1.05 | 612.61 | 86.58 | 0.00 | 2.01 | 1078.00 | 271.28 |
| 29 | 25.39 | 19.95 | 16.28 | 2.24 | 1.05 | 611.73 | 87.14 | 0.00 | 2.11 | 1021.00 | 277.76 |
| 30 | 25.22 | 19.62 | 15.17 | 2.68 | 1.11 | 611.08 | 86.58 | 0.00 | 2.13 | 933.00 | 287.27 |
| 31 | 24.83 | 19.82 | 16.39 | 2.68 | 0.99 | 610.46 | 86.96 | 0.00 | 2.13 | 1020.00 | 279.44 |
| TOTAL | | | | | | | | 63.20 | 53.65 | | |
| PROM | 23.86 | 18.91 | 15.31 | 2.71 | 1.07 | 611.69 | 87.34 | | | 887.21 | 260.62 |

Cuadro 1: Resumen de análisis climatológico

Estación: San Jose
Fecha: Enero de 2013
Registros: 29 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | | | | | | | | | | | | | | | | |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 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 | 4 | 0 | 0 | 0 | 2 | 2 | 4 | 1.00 | 0.33 | 1.39 | 10.00 | 0.40 | 1.60 | 4.80 |
| 15 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 3 | 43.60 | 1.42 | 5.90 | 95.00 | 42.60 | 25.56 | 93.60 |
| 16 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0.20 | 0.08 | 0.35 | 10.00 | 0.20 | 0.80 | 2.40 |
| 17 | 0 | 0 | 3 | 0 | 1 | 2 | 0 | 0 | 3 | 3.40 | 1.17 | 4.86 | 75.00 | 1.60 | 1.20 | 2.40 |
| 18 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 2 | 0.60 | 0.17 | 0.69 | 10.00 | 0.40 | 1.60 | 4.80 |
| 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 | | | | | | | | | | | | | | | | |
| 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 | 4 | 1 | 0 | 1 | 4 | 0 | 5 | 2.20 | 0.83 | 3.47 | 100.00 | 1.20 | 0.69 | 2.40 |
| 24 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 1 | 2 | 0.60 | 0.17 | 0.69 | 10.00 | 0.40 | 1.60 | 4.80 |
| 25 | 0 | 0 | 11 | 6 | 1 | 6 | 2 | 8 | 17 | 10.00 | 4.08 | 17.01 | 370.00 | 5.80 | 0.93 | 4.80 |
| 26 | 0 | 0 | 7 | 0 | 6 | 0 | 0 | 1 | 7 | 1.40 | 0.58 | 2.43 | 5.00 | 0.20 | 1.20 | 2.40 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 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 | 1 | 11 | 6 | 6 | 6 | 4 | 8 | 17 | 43.60 | 4.08 | 17.01 | 370.00 | 42.60 | 25.56 | 93.60 |
| TOTAL | 1 | 1 | 36 | 7 | 10 | 11 | 11 | 13 | 45 | 63.20 | 8.92 | 1.20 | | | | |

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