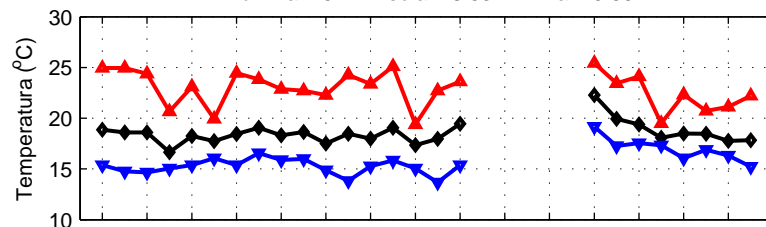


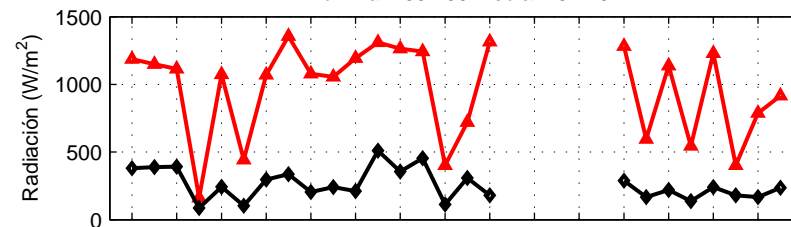
Estación: San Jose
Fecha: Abril de 2010
Registros: 25 de 30

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>

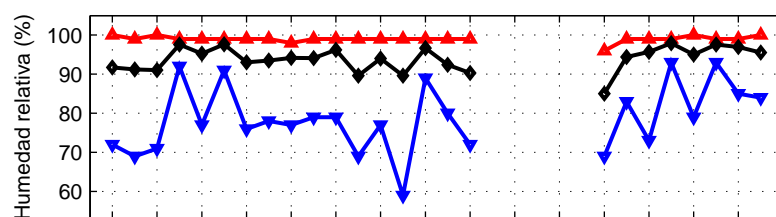
Máxima: 25.44 Media: 18.53 Mínima: 13.66



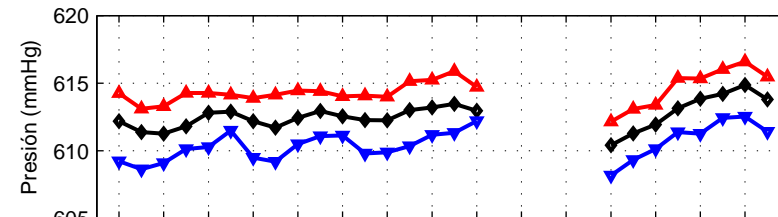
Máxima: 1357.00 Media: 257.40



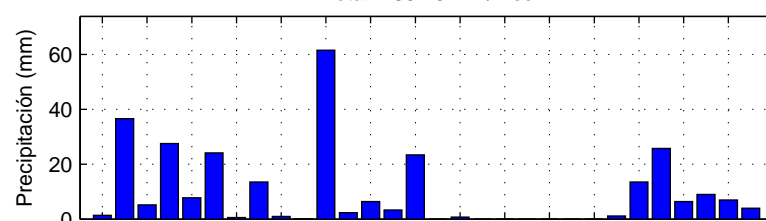
Máxima: 100.00 Media: 93.85 Mínima: 59.00



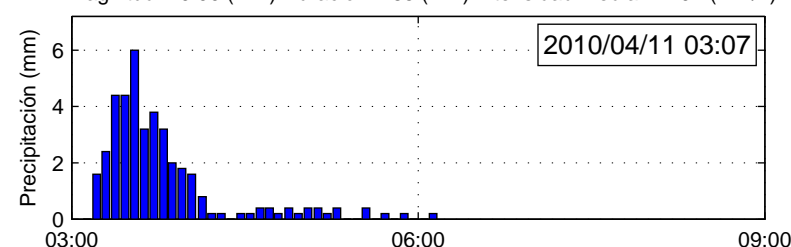
Máxima: 616.59 Media: 612.60 Mínima: 608.18



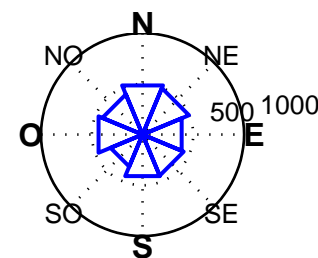
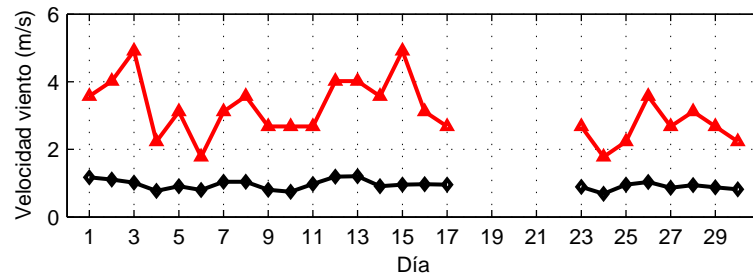
Total: 283.20 mm/mes



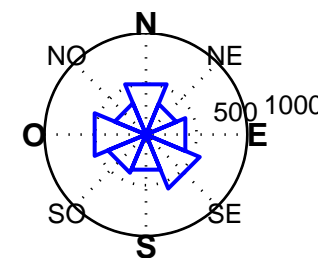
Magnitud: 40.00 (mm) Duración: 185 (min) Intensidad Media: 12.97 (mm/h)



Máxima: 4.91 Media: 0.95



Dirección del viento (Día)



Dirección del viento (Noche)



Estación: San Jose
Fecha: Abril de 2010
Registros: 25 de 30

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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 | 24.94 | 18.86 | 15.38 | 3.57 | 1.18 | 612.19 | 91.72 | 1.40 | 2.98 | 1187.00 | 380.29 |
| 2 | 24.94 | 18.59 | 14.77 | 4.02 | 1.11 | 611.39 | 91.20 | 36.60 | 2.64 | 1150.00 | 389.17 |
| 3 | 24.38 | 18.59 | 14.66 | 4.91 | 1.01 | 611.27 | 91.06 | 5.20 | 2.78 | 1114.00 | 391.88 |
| 4 | 20.66 | 16.64 | 15.05 | 2.23 | 0.77 | 611.81 | 97.58 | 27.60 | 1.09 | 162.00 | 86.55 |
| 5 | 23.11 | 18.25 | 15.38 | 3.12 | 0.91 | 612.81 | 95.27 | 7.80 | 2.28 | 1074.00 | 242.20 |
| 6 | 19.94 | 17.75 | 16.05 | 1.78 | 0.80 | 612.90 | 97.62 | 24.20 | 0.70 | 443.00 | 103.34 |
| 7 | 24.44 | 18.45 | 15.38 | 3.12 | 1.04 | 612.19 | 93.01 | 0.60 | 4.35 | 1071.00 | 297.26 |
| 8 | 23.83 | 19.07 | 16.55 | 3.57 | 1.04 | 611.70 | 93.49 | 13.60 | 2.30 | 1357.00 | 335.31 |
| 9 | 22.88 | 18.32 | 15.88 | 2.68 | 0.80 | 612.44 | 94.17 | 1.00 | 1.53 | 1079.00 | 204.40 |
| 10 | 22.72 | 18.64 | 16.00 | 2.68 | 0.75 | 612.95 | 94.13 | 0.20 | 1.77 | 1055.00 | 240.01 |
| 11 | 22.27 | 17.51 | 14.88 | 2.68 | 0.98 | 612.55 | 96.22 | 61.60 | 1.59 | 1194.00 | 211.20 |
| 12 | 24.27 | 18.47 | 13.83 | 4.02 | 1.19 | 612.27 | 89.62 | 2.40 | 7.74 | 1310.00 | 509.45 |
| 13 | 23.38 | 17.97 | 15.27 | 4.02 | 1.20 | 612.25 | 93.98 | 6.40 | 2.40 | 1264.00 | 355.17 |
| 14 | 25.11 | 19.05 | 15.83 | 3.57 | 0.91 | 613.01 | 89.65 | 3.40 | 3.40 | 1243.00 | 454.15 |
| 15 | 19.38 | 17.34 | 15.05 | 4.91 | 0.96 | 613.21 | 96.66 | 23.40 | 0.79 | 401.00 | 112.50 |
| 16 | 22.72 | 17.97 | 13.66 | 3.12 | 0.97 | 613.47 | 92.42 | 0.00 | 2.29 | 721.00 | 308.76 |
| 17 | 23.61 | 19.45 | 15.38 | 2.68 | 0.96 | 612.96 | 90.28 | 0.80 | 1.55 | 1315.00 | 180.08 |
| 18 | | | | | | | | | | | |
| 19 | | | | | | | | | | | |
| 20 | | | | | | | | | | | |
| 21 | | | | | | | | | | | |
| 22 | | | | | | | | | | | |
| 23 | 25.44 | 22.28 | 19.16 | 2.68 | 0.89 | 610.42 | 85.01 | 0.00 | 4.30 | 1283.00 | 288.16 |
| 24 | 23.44 | 19.93 | 17.27 | 1.78 | 0.69 | 611.28 | 94.41 | 1.20 | 1.22 | 596.00 | 165.99 |
| 25 | 24.11 | 19.39 | 17.55 | 2.23 | 0.96 | 611.94 | 95.68 | 13.60 | 1.62 | 1137.00 | 219.17 |
| 26 | 19.49 | 18.07 | 17.33 | 3.57 | 1.04 | 613.14 | 97.90 | 25.80 | 0.92 | 545.00 | 137.10 |
| 27 | 22.33 | 18.50 | 16.05 | 2.68 | 0.86 | 613.84 | 95.03 | 6.40 | 1.79 | 1230.00 | 239.90 |
| 28 | 20.72 | 18.48 | 16.88 | 3.12 | 0.94 | 614.21 | 97.57 | 9.00 | 1.28 | 401.00 | 180.01 |
| 29 | 21.11 | 17.76 | 16.33 | 2.68 | 0.88 | 614.87 | 96.97 | 7.00 | 1.17 | 788.00 | 167.52 |
| 30 | 22.22 | 17.84 | 15.22 | 2.23 | 0.82 | 613.80 | 95.55 | 4.00 | 1.69 | 916.00 | 235.45 |
| TOTAL | | | | | | | | 283.20 | 56.17 | | |
| PROM | 22.86 | 18.53 | 15.79 | 3.11 | 0.95 | 612.60 | 93.85 | | | 961.44 | 257.40 |

Cuadro 1: Resumen de análisis climatológico

Estación: San Jose
Fecha: Abril de 2010
Registros: 25 de 30

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 | 0 | 2 | 1 | 1 | 1 | 1 | 0 | 3 | 1.40 | 0.50 | 2.08 | 20.00 | 0.80 | 1.92 | 4.80 |
| 2 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 2 | 36.60 | 2.17 | 9.03 | 190.00 | 36.40 | 11.20 | 196.80 |
| 3 | 0 | 1 | 2 | 0 | 0 | 1 | 1 | 1 | 3 | 5.20 | 1.33 | 5.56 | 100.00 | 4.80 | 2.74 | 16.80 |
| 4 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 2 | 27.60 | 3.75 | 15.63 | 285.00 | 27.40 | 5.67 | 24.00 |
| 5 | 0 | 1 | 5 | 0 | 1 | 0 | 4 | 1 | 6 | 7.80 | 1.58 | 6.60 | 90.00 | 6.80 | 4.29 | 21.60 |
| 6 | 0 | 2 | 2 | 0 | 2 | 0 | 1 | 1 | 4 | 24.20 | 4.08 | 17.01 | 290.00 | 21.40 | 4.35 | 28.80 |
| 7 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 3 | 0.60 | 0.25 | 1.04 | 10.00 | 0.20 | 0.80 | 2.40 |
| 8 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 2 | 13.60 | 2.50 | 10.42 | 185.00 | 13.40 | 4.23 | 14.40 |
| 9 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1.00 | 0.25 | 1.04 | 35.00 | 1.00 | 1.50 | 7.20 |
| 10 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0.20 | 0.08 | 0.35 | 10.00 | 0.20 | 0.80 | 2.40 |
| 11 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 3 | 61.60 | 5.42 | 22.57 | 185.00 | 40.00 | 12.63 | 72.00 |
| 12 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 2 | 3 | 2.40 | 0.92 | 3.82 | 70.00 | 2.00 | 1.60 | 4.80 |
| 13 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 2 | 6.40 | 0.50 | 2.08 | 50.00 | 6.20 | 6.76 | 28.80 |
| 14 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 2 | 3.40 | 1.42 | 5.90 | 130.00 | 3.20 | 1.42 | 2.40 |
| 15 | 1 | 1 | 4 | 0 | 1 | 2 | 3 | 0 | 6 | 23.40 | 3.50 | 14.58 | 145.00 | 18.80 | 7.52 | 48.00 |
| 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 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0.80 | 0.17 | 0.69 | 30.00 | 0.80 | 1.37 | 4.80 |
| 18 | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | |
| 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 | 5 | 0 | 0 | 1 | 4 | 0 | 5 | 1.20 | 0.42 | 1.74 | 10.00 | 0.40 | 1.60 | 4.80 |
| 25 | 0 | 3 | 5 | 1 | 0 | 4 | 2 | 3 | 9 | 13.60 | 2.83 | 11.81 | 45.00 | 4.60 | 5.52 | 16.80 |
| 26 | 0 | 2 | 6 | 2 | 6 | 3 | 1 | 0 | 10 | 25.80 | 6.08 | 25.35 | 110.00 | 10.80 | 5.63 | 16.80 |
| 27 | 0 | 2 | 3 | 0 | 1 | 0 | 3 | 1 | 5 | 6.40 | 0.92 | 3.82 | 60.00 | 5.20 | 4.80 | 16.80 |
| 28 | 0 | 2 | 5 | 0 | 1 | 3 | 1 | 2 | 7 | 9.00 | 2.75 | 11.46 | 105.00 | 5.20 | 2.84 | 7.20 |
| 29 | 0 | 0 | 16 | 2 | 7 | 5 | 6 | 0 | 18 | 7.00 | 2.92 | 12.15 | 85.00 | 2.00 | 1.33 | 2.40 |
| 30 | 0 | 1 | 3 | 0 | 0 | 1 | 2 | 1 | 4 | 4.00 | 1.00 | 4.17 | 45.00 | 2.60 | 3.12 | 14.40 |
| MAX | 1 | 3 | 16 | 2 | 7 | 5 | 6 | 3 | 18 | 61.60 | 6.08 | 25.35 | 290.00 | 40.00 | 12.63 | 196.80 |
| TOTAL | 3 | 19 | 74 | 6 | 30 | 26 | 34 | 12 | 102 | 283.20 | 45.33 | 6.30 | | | | |

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