

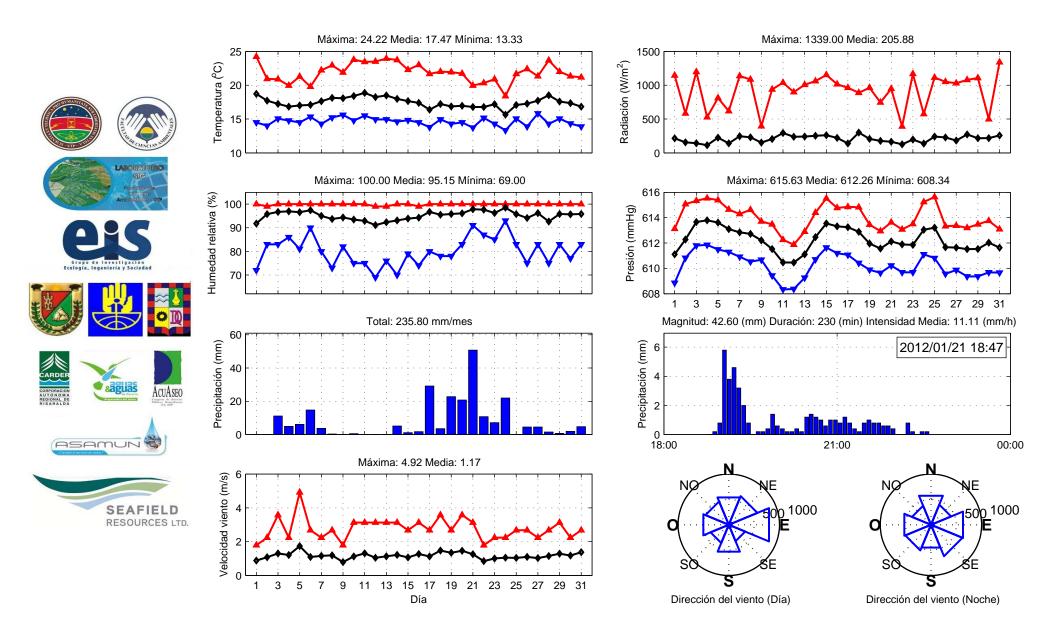
Estación: San Jose Fecha: Enero de 2012 Registros: 31 de 31 Reporte climatológico mensual

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



Estación: San Jose Fecha: Enero de 2012 Registros: 31 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: www.utp.edu.co/hidroclimatologica

| | Temperatura | | Vel. Viento | | Presión | Humedad | Precipitación | Evap Radiación | | | |
|-------|-------------|-------|-------------|------|---------|---------|---------------|----------------|---------------------|---------|--------|
| Día | (°C) | | (m/s) | | (mmHg) | (%) | (mm) | (mm) | (W/m ²) | | |
| | Máx | Media | Mín | Máx | Media | Media | Media | Total | Total | Máx | Media |
| 1 | 24.22 | 18.71 | 14.50 | 1.79 | 0.88 | 611.10 | 91.79 | 0.00 | 1.78 | 1144.00 | 214.20 |
| 2 | 20.94 | 17.71 | 14.00 | 2.24 | 1.08 | 612.27 | 95.77 | 0.00 | 1.19 | 582.00 | 155.75 |
| 3 | 20.89 | 17.24 | 15.06 | 3.58 | 1.31 | 613.65 | 96.71 | 11.20 | 1.07 | 1197.00 | 141.70 |
| 4 | 19.94 | 16.83 | 14.78 | 2.24 | 1.21 | 613.79 | 96.96 | 5.00 | 0.99 | 527.00 | 111.72 |
| 5 | 21.28 | 17.01 | 14.50 | 4.92 | 1.74 | 613.61 | 96.59 | 6.20 | 1.63 | 810.00 | 223.53 |
| 6 | 19.78 | 17.09 | 15.33 | 2.68 | 1.09 | 613.09 | 97.42 | 14.80 | 1.12 | 617.00 | 139.65 |
| 7 | 22.22 | 17.63 | 14.28 | 2.24 | 1.16 | 612.84 | 95.03 | 3.80 | 1.75 | 1136.00 | 244.81 |
| 8 | 22.94 | 18.13 | 15.22 | 2.68 | 1.19 | 612.72 | 93.71 | 0.40 | 1.70 | 1085.00 | 229.62 |
| 9 | 21.89 | 18.07 | 15.61 | 1.79 | 0.79 | 612.21 | 94.34 | 0.00 | 1.22 | 394.00 | 151.29 |
| 10 | 23.78 | 18.40 | 14.78 | 3.13 | 1.13 | 611.53 | 93.48 | 0.60 | 1.63 | 937.00 | 205.23 |
| 11 | 23.44 | 18.87 | 15.50 | 3.13 | 1.31 | 610.47 | 92.90 | 0.00 | 1.88 | 1037.00 | 293.42 |
| 12 | 23.50 | 18.24 | 14.94 | 3.13 | 1.05 | 610.46 | 91.13 | 0.00 | 1.93 | 898.00 | 236.99 |
| 13 | 23.94 | 18.48 | 14.94 | 3.13 | 1.13 | 611.11 | 92.34 | 0.00 | 1.83 | 1007.00 | 240.14 |
| 14 | 23.72 | 17.97 | 14.61 | 3.13 | 1.22 | 612.46 | 93.10 | 5.20 | 1.85 | 1060.00 | 252.41 |
| 15 | 22.28 | 17.65 | 14.83 | 2.68 | 1.07 | 613.54 | 93.91 | 1.20 | 1.78 | 1153.00 | 260.28 |
| 16 | 23.00 | 17.38 | 14.50 | 3.13 | 1.27 | 613.31 | 94.28 | 1.80 | 1.73 | 1014.00 | 221.32 |
| 17 | 21.67 | 16.39 | 13.78 | 2.68 | 1.12 | 613.24 | 96.69 | 29.20 | 0.99 | 962.00 | 139.54 |
| 18 | 22.00 | 17.22 | 14.94 | 3.58 | 1.48 | 612.88 | 95.48 | 3.60 | 2.06 | 888.00 | 300.40 |
| 19 | 21.94 | 16.86 | 14.28 | 2.68 | 1.34 | 611.96 | 95.83 | 22.80 | 1.52 | 962.00 | 206.47 |
| 20 | 21.72 | 16.96 | 14.50 | 3.58 | 1.46 | 611.56 | 96.09 | 20.80 | 1.27 | 745.00 | 176.26 |
| 21 | 19.94 | 16.77 | 13.72 | 3.13 | 1.26 | 612.12 | 97.84 | 50.80 | 1.17 | 947.00 | 163.44 |
| 22 | 20.33 | 16.78 | 15.17 | 1.79 | 0.85 | 611.89 | 97.65 | 10.80 | 0.86 | 390.00 | 126.14 |
| 23 | 20.89 | 17.19 | 14.28 | 2.24 | 1.01 | 611.85 | 96.23 | 7.20 | 1.40 | 1167.00 | 196.72 |
| 24 | 18.39 | 15.65 | 13.33 | 2.24 | 1.06 | 613.04 | 98.50 | 22.00 | 0.91 | 575.00 | 137.25 |
| 25 | 21.67 | 17.07 | 15.06 | 2.68 | 1.04 | 613.21 | 95.78 | 0.00 | 1.83 | 1113.00 | 240.49 |
| 26 | 22.39 | 17.27 | 13.89 | 2.68 | 1.10 | 611.67 | 94.14 | 4.60 | 1.83 | 1051.00 | 227.68 |
| 27 | 21.33 | 17.72 | 15.83 | 2.24 | 1.03 | 611.64 | 96.21 | 4.60 | 1.32 | 1030.00 | 181.93 |
| 28 | 23.67 | 18.53 | 14.28 | 2.68 | 1.15 | 611.52 | 92.62 | 1.60 | 2.19 | 1079.00 | 271.74 |
| 29 | 22.00 | 17.59 | 15.06 | 3.13 | 1.29 | 611.52 | 95.80 | 0.80 | 1.63 | 1106.00 | 215.76 |
| 30 | 21.33 | 17.34 | 14.33 | 2.24 | 1.18 | 612.03 | 95.67 | 2.00 | 1.47 | 497.00 | 218.51 |
| 31 | 21.17 | 16.83 | 13.89 | 2.68 | 1.37 | 611.63 | 95.81 | 4.80 | 1.83 | 1339.00 | 257.86 |
| TOTAL | | | | | | | | 235.80 | 47.36 | | |
| PROM | 21.88 | 17.47 | 14.64 | 2.77 | 1.17 | 612.26 | 95.15 | | | 917.71 | 205.88 |
| | | | | | 1 | | | l | | I | |

Cuadro 1: Resúmen de análisis climatológico

Estación: San Jose Fecha: Enero de 2012 Registros: 31 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: www.utp.edu.co/hidroclimatologica

| Lluvias por | | | Lluvias por | | | | | РТ Г | | P | DM | MM | IMM | IM5 | | |
|-------------|---|-------|-------------|----|----|------|-----|------|-----|---------|-------|-------|---------|---------|------------|------------|
| Día | | inten | sidad | | | jorn | ada | | CLL | (mm) | | | (min) | (mm) | (mm/h) | (mm/h) |
| | F | M | L | LL | Md | Mñ | T | N | | (11111) | (h) | (%) | (11111) | (11111) | (11111/11) | (11111/11) |
| 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 | 1 | 2 | 0 | 0 | 0 | 2 | 1 | 3 | 11.20 | 2.50 | 10.42 | 185.00 | 10.80 | 3.41 | 16.80 |
| 4 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 2 | 5.00 | 0.92 | 3.82 | 60.00 | 4.40 | 4.06 | 16.80 |
| 5 | 0 | 2 | 2 | 0 | 0 | 2 | 1 | 1 | 4 | 6.20 | 1.50 | 6.25 | 85.00 | 4.00 | 2.67 | 14.40 |
| 6 | 0 | 2 | 8 | 0 | 3 | 4 | 2 | 1 | 10 | 14.80 | 2.92 | 12.15 | 65.00 | 6.80 | 5.83 | 12.00 |
| 7 | 1 | 0 | 3 | 0 | 1 | 0 | 3 | 0 | 4 | 3.80 | 0.42 | 1.74 | 10.00 | 2.60 | 10.40 | 31.20 |
| 8 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0.40 | 0.08 | 0.35 | 10.00 | 0.40 | 1.60 | 4.80 |
| 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 | 2 | 0 | 0 | 0 | 0 | 2 | 2 | 0.60 | 0.17 | 0.69 | 10.00 | 0.40 | 1.60 | 4.80 |
| 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 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 2 | 5.20 | 0.50 | 2.08 | 35.00 | 5.00 | 7.50 | 19.20 |
| 15 | 0 | 0 | 4 | 0 | 1 | 0 | 3 | 0 | 4 | 1.20 | 0.50 | 2.08 | 30.00 | 0.60 | 1.03 | 2.40 |
| 16 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 2 | 1.80 | 0.50 | 2.08 | 40.00 | 1.60 | 2.13 | 7.20 |
| 17 | 1 | 0 | 3 | 1 | 0 | 0 | 3 | 2 | 5 | 29.20 | 2.75 | 11.46 | 170.00 | 28.00 | 9.60 | 57.60 |
| 18 | 0 | 0 | 8 | 0 | 1 | 4 | 1 | 2 | 8 | 3.60 | 1.25 | 5.21 | 60.00 | 2.00 | 1.85 | 4.80 |
| 19 | 1 | 1 | 3 | 0 | 1 | 0 | 2 | 2 | 5 | 22.80 | 1.42 | 5.90 | 45.00 | 19.20 | 23.04 | 52.80 |
| 20 | 1 | 0 | 3 | 1 | 3 | 0 | 2 | 0 | 5 | 20.80 | 1.42 | 5.90 | 75.00 | 19.80 | 14.85 | 69.60 |
| 21 | 1 | 1 | 2 | 0 | 0 | 1 | 1 | 2 | 4 | 50.80 | 5.42 | 22.57 | 230.00 | 42.60 | 10.88 | 69.60 |
| 22 | 0 | 1 | 4 | 1 | 1 | 0 | 5 | 0 | 6 | 10.80 | 1.83 | 7.64 | 70.00 | 8.40 | 6.72 | 19.20 |
| 23 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 7.20 | 1.92 | 7.99 | 150.00 | 7.20 | 2.79 | 12.00 |
| 24 | 0 | 1 | 2 | 0 | 0 | 2 | 1 | 0 | 3 | 22.00 | 5.08 | 21.18 | 365.00 | 21.60 | 3.50 | 9.60 |
| 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 | 7 | 1 | 0 | 0 | 1 | 7 | 8 | 4.60 | 1.83 | 7.64 | 240.00 | 3.20 | 0.78 | 4.80 |
| 27 | 0 | 1 | 15 | 0 | 5 | 6 | 5 | 0 | 16 | 4.60 | 1.42 | 5.90 | 15.00 | 1.60 | 4.80 | 12.00 |
| 28 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 2 | 1.60 | 0.58 | 2.43 | 45.00 | 1.20 | 1.44 | 4.80 |
| 29 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0.80 | 0.17 | 0.69 | 15.00 | 0.80 | 2.40 | 4.80 |
| 30 | 0 | 0 | 6 | 0 | 1 | 1 | 2 | 2 | 6 | 2.00 | 0.75 | 3.13 | 15.00 | 0.60 | 1.80 | 4.80 |
| 31 | 0 | 1 | 2 | 0 | 0 | 0 | 3 | 0 | 3 | 4.80 | 1.00 | 4.17 | 70.00 | 4.40 | 3.52 | 12.00 |
| MAX | 1 | 2 | 15 | 1 | 5 | 6 | 5 | 7 | 16 | 50.80 | 5.42 | 22.57 | 365.00 | 42.60 | 23.04 | 69.60 |
| TOTAL | 6 | 14 | 82 | 5 | 17 | 21 | 45 | 24 | 107 | 235.80 | 36.83 | 4.95 | | | | |

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) |