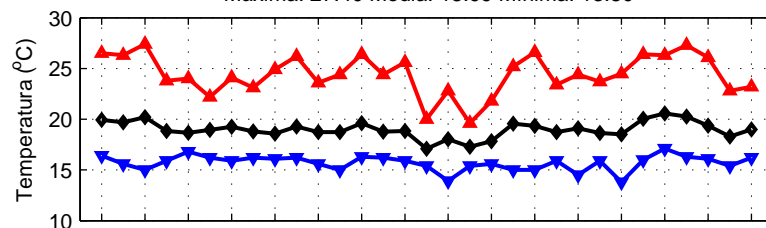


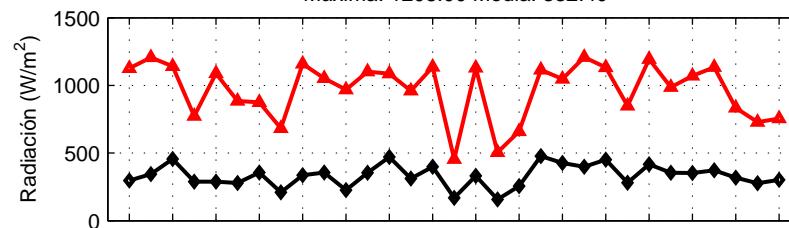
Estación: Acuaseo
Fecha: Octubre de 2012
Registros: 31 de 31

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>

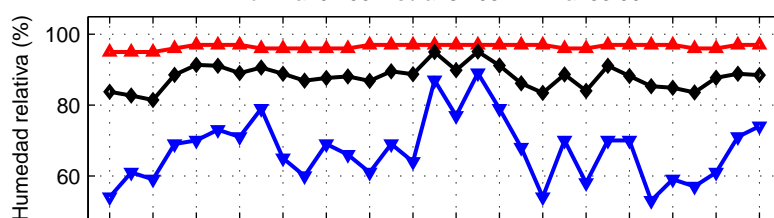
Máxima: 27.40 Media: 18.99 Mínima: 13.80



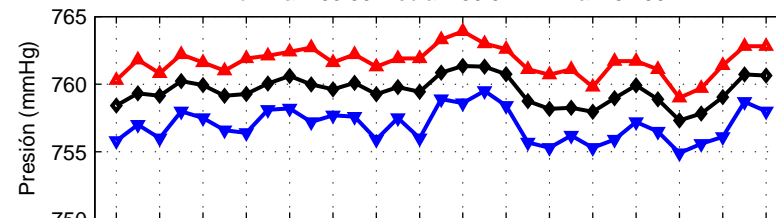
Máxima: 1208.00 Media: 332.40



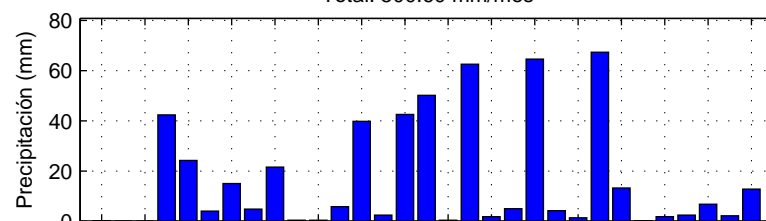
Máxima: 97.00 Media: 87.95 Mínima: 53.00



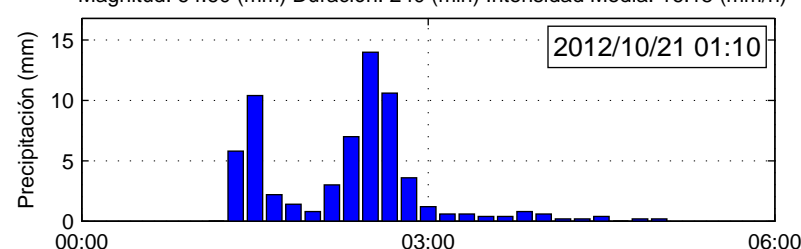
Máxima: 763.90 Media: 759.52 Mínima: 754.90



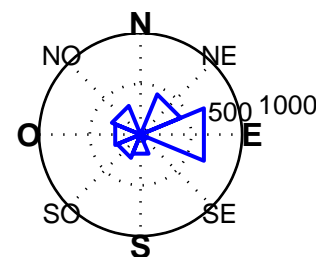
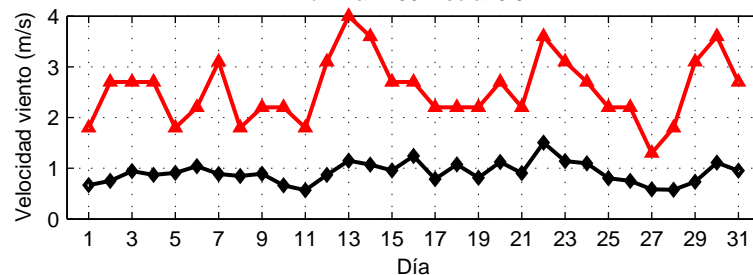
Total: 500.60 mm/mes



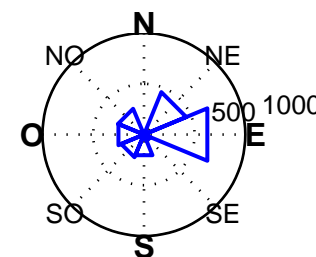
Magnitud: 64.60 (mm) Duración: 240 (min) Intensidad Media: 16.15 (mm/h)



Máxima: 4.00 Media: 0.91



Dirección del viento (Día)



Dirección del viento (Noche)



Estación: Acuaseo
Fecha: Octubre de 2012
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/m ²) | |
|-------|------------------|-------|-------|-------------------|-------|----------------|-------------|--------------------|-----------|-------------------------------------|--------|
| | Máx | Media | Mín | Máx | Media | Media | Media | Total | Total | Máx | Media |
| 1 | 26.50 | 19.94 | 16.40 | 1.80 | 0.67 | 758.43 | 83.74 | 0.20 | 2.18 | 1127.00 | 295.97 |
| 2 | 26.30 | 19.70 | 15.60 | 2.70 | 0.75 | 759.33 | 82.67 | 0.00 | 2.66 | 1207.00 | 343.43 |
| 3 | 27.40 | 20.19 | 15.00 | 2.70 | 0.94 | 759.14 | 81.41 | 0.00 | 3.54 | 1141.00 | 455.31 |
| 4 | 23.80 | 18.85 | 15.90 | 2.70 | 0.87 | 760.24 | 88.56 | 42.40 | 2.11 | 773.00 | 288.34 |
| 5 | 24.00 | 18.67 | 16.80 | 1.80 | 0.91 | 759.94 | 91.35 | 24.20 | 2.15 | 1088.00 | 287.57 |
| 6 | 22.20 | 18.95 | 16.20 | 2.20 | 1.04 | 759.13 | 91.08 | 4.00 | 2.03 | 885.00 | 278.11 |
| 7 | 24.10 | 19.25 | 15.90 | 3.10 | 0.89 | 759.27 | 89.01 | 15.00 | 2.59 | 875.00 | 355.65 |
| 8 | 23.10 | 18.80 | 16.20 | 1.80 | 0.85 | 760.05 | 90.58 | 4.80 | 1.54 | 682.00 | 210.10 |
| 9 | 24.90 | 18.57 | 16.10 | 2.20 | 0.89 | 760.60 | 88.83 | 21.60 | 2.49 | 1159.00 | 335.61 |
| 10 | 26.20 | 19.27 | 16.20 | 2.20 | 0.66 | 759.98 | 86.88 | 0.40 | 2.61 | 1053.00 | 356.51 |
| 11 | 23.60 | 18.74 | 15.60 | 1.80 | 0.57 | 759.61 | 87.66 | 0.40 | 1.66 | 968.00 | 225.88 |
| 12 | 24.40 | 18.72 | 15.00 | 3.10 | 0.87 | 760.09 | 88.10 | 5.80 | 2.63 | 1102.00 | 354.42 |
| 13 | 26.40 | 19.60 | 16.30 | 4.00 | 1.15 | 759.26 | 86.85 | 39.80 | 3.58 | 1087.00 | 470.67 |
| 14 | 24.40 | 18.77 | 16.20 | 3.60 | 1.07 | 759.78 | 89.56 | 2.40 | 2.44 | 961.00 | 310.61 |
| 15 | 25.60 | 18.83 | 15.90 | 2.70 | 0.96 | 759.44 | 88.73 | 42.60 | 2.92 | 1136.00 | 399.15 |
| 16 | 20.00 | 17.10 | 15.40 | 2.70 | 1.24 | 760.86 | 94.98 | 50.20 | 1.05 | 455.00 | 168.71 |
| 17 | 22.80 | 18.04 | 13.90 | 2.20 | 0.79 | 761.34 | 89.83 | 0.40 | 2.36 | 1130.00 | 331.15 |
| 18 | 19.60 | 17.28 | 15.40 | 2.20 | 1.08 | 761.29 | 95.15 | 62.60 | 1.06 | 505.00 | 157.25 |
| 19 | 21.80 | 17.84 | 15.60 | 2.20 | 0.81 | 760.74 | 91.14 | 1.80 | 1.81 | 659.00 | 254.76 |
| 20 | 25.20 | 19.57 | 15.00 | 2.70 | 1.13 | 758.75 | 86.11 | 5.00 | 3.62 | 1114.00 | 476.50 |
| 21 | 26.60 | 19.34 | 15.00 | 2.20 | 0.90 | 758.18 | 83.45 | 64.60 | 3.30 | 1048.00 | 426.36 |
| 22 | 23.40 | 18.73 | 15.90 | 3.60 | 1.50 | 758.25 | 88.65 | 4.20 | 2.95 | 1208.00 | 398.75 |
| 23 | 24.40 | 19.11 | 14.50 | 3.10 | 1.14 | 757.96 | 84.01 | 1.40 | 3.33 | 1133.00 | 451.75 |
| 24 | 23.70 | 18.65 | 15.90 | 2.70 | 1.10 | 758.97 | 91.07 | 67.40 | 2.09 | 848.00 | 280.91 |
| 25 | 24.50 | 18.51 | 13.80 | 2.20 | 0.80 | 759.92 | 88.24 | 13.20 | 3.03 | 1194.00 | 416.71 |
| 26 | 26.40 | 20.04 | 16.00 | 2.20 | 0.75 | 758.88 | 85.30 | 0.20 | 2.73 | 986.00 | 354.82 |
| 27 | 26.30 | 20.57 | 17.10 | 1.30 | 0.59 | 757.31 | 84.88 | 1.80 | 2.76 | 1071.00 | 351.72 |
| 28 | 27.30 | 20.26 | 16.30 | 1.80 | 0.58 | 757.83 | 83.59 | 2.40 | 2.78 | 1135.00 | 371.31 |
| 29 | 26.10 | 19.37 | 16.10 | 3.10 | 0.73 | 759.05 | 87.72 | 6.80 | 2.27 | 834.00 | 317.54 |
| 30 | 22.80 | 18.30 | 15.40 | 3.60 | 1.11 | 760.72 | 88.83 | 2.20 | 2.02 | 729.00 | 276.80 |
| 31 | 23.20 | 18.99 | 16.20 | 2.70 | 0.95 | 760.64 | 88.49 | 12.80 | 2.36 | 755.00 | 301.87 |
| TOTAL | | | | | | | | 500.60 | 76.65 | | |
| PROM | 24.42 | 18.99 | 15.70 | 2.55 | 0.91 | 759.52 | 87.95 | | | 969.29 | 332.40 |

Cuadro 1: Resumen de análisis climatológico

Estación: Acuaseo
Fecha: Octubre de 2012
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 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0.20 | 0.17 | 0.69 | 20.00 | 0.20 | 0.40 | 1.20 |
| 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 | 1 | 2 | 0 | 3 | 3 | 2 | 1 | 0 | 6 | 42.40 | 4.67 | 19.44 | 60.00 | 26.80 | 22.97 | 67.20 |
| 5 | 0 | 2 | 1 | 1 | 2 | 0 | 1 | 1 | 4 | 24.20 | 4.50 | 18.75 | 160.00 | 16.80 | 5.93 | 26.40 |
| 6 | 0 | 1 | 0 | 2 | 1 | 0 | 2 | 0 | 3 | 4.00 | 1.00 | 4.17 | 50.00 | 3.60 | 3.60 | 14.40 |
| 7 | 0 | 1 | 0 | 2 | 2 | 1 | 0 | 0 | 3 | 15.00 | 4.00 | 16.67 | 260.00 | 14.40 | 3.20 | 21.60 |
| 8 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 2 | 4.80 | 1.50 | 6.25 | 70.00 | 3.80 | 2.85 | 7.20 |
| 9 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 21.60 | 1.67 | 6.94 | 110.00 | 21.60 | 10.80 | 50.40 |
| 10 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0.40 | 0.33 | 1.39 | 30.00 | 0.40 | 0.60 | 1.20 |
| 11 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 2 | 0.40 | 0.33 | 1.39 | 20.00 | 0.20 | 0.40 | 1.20 |
| 12 | 0 | 1 | 0 | 2 | 0 | 0 | 1 | 2 | 3 | 5.80 | 1.00 | 4.17 | 50.00 | 5.40 | 5.40 | 12.00 |
| 13 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 39.80 | 3.83 | 15.97 | 140.00 | 30.20 | 12.08 | 58.80 |
| 14 | 0 | 0 | 1 | 4 | 4 | 1 | 0 | 0 | 5 | 2.40 | 1.50 | 6.25 | 40.00 | 1.40 | 1.68 | 3.60 |
| 15 | 2 | 0 | 1 | 2 | 0 | 0 | 1 | 4 | 5 | 42.60 | 3.67 | 15.28 | 90.00 | 25.20 | 15.12 | 49.20 |
| 16 | 1 | 0 | 1 | 6 | 0 | 5 | 1 | 2 | 8 | 50.20 | 6.67 | 27.78 | 280.00 | 45.60 | 9.43 | 34.80 |
| 17 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 1 | 2 | 0.40 | 0.33 | 1.39 | 20.00 | 0.20 | 0.40 | 1.20 |
| 18 | 1 | 1 | 4 | 3 | 1 | 0 | 5 | 3 | 9 | 62.60 | 8.83 | 36.81 | 300.00 | 51.00 | 9.87 | 54.00 |
| 19 | 0 | 0 | 0 | 6 | 3 | 0 | 2 | 0 | 6 | 1.80 | 1.33 | 5.56 | 50.00 | 0.80 | 0.80 | 2.40 |
| 20 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 5.00 | 1.83 | 7.64 | 130.00 | 5.00 | 2.14 | 8.40 |
| 21 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 64.60 | 3.67 | 15.28 | 240.00 | 64.60 | 15.50 | 84.00 |
| 22 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 2 | 4.20 | 1.33 | 5.56 | 90.00 | 2.20 | 1.32 | 4.80 |
| 23 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 2 | 1.40 | 0.50 | 2.08 | 30.00 | 1.20 | 1.80 | 6.00 |
| 24 | 2 | 0 | 0 | 2 | 2 | 1 | 1 | 0 | 4 | 67.40 | 7.50 | 31.25 | 400.00 | 56.80 | 8.31 | 61.20 |
| 25 | 1 | 0 | 1 | 2 | 2 | 0 | 1 | 1 | 4 | 13.20 | 2.83 | 11.81 | 70.00 | 9.00 | 6.75 | 16.80 |
| 26 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0.20 | 0.17 | 0.69 | 20.00 | 0.20 | 0.40 | 1.20 |
| 27 | 0 | 0 | 1 | 3 | 4 | 0 | 0 | 0 | 4 | 1.80 | 1.00 | 4.17 | 40.00 | 1.20 | 1.44 | 3.60 |
| 28 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2.40 | 0.33 | 1.39 | 30.00 | 2.40 | 3.60 | 10.80 |
| 29 | 0 | 1 | 0 | 3 | 0 | 0 | 3 | 1 | 4 | 6.80 | 1.33 | 5.56 | 50.00 | 6.00 | 6.00 | 14.40 |
| 30 | 0 | 0 | 2 | 1 | 1 | 0 | 2 | 0 | 3 | 2.20 | 1.00 | 4.17 | 40.00 | 1.20 | 1.44 | 2.40 |
| 31 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 12.80 | 1.83 | 7.64 | 100.00 | 9.60 | 5.24 | 22.80 |
| MAX | 2 | 2 | 4 | 6 | 4 | 5 | 5 | 4 | 9 | 67.40 | 8.83 | 36.81 | 400.00 | 64.60 | 22.97 | 84.00 |
| TOTAL | 11 | 15 | 17 | 51 | 32 | 14 | 29 | 18 | 94 | 500.60 | 68.67 | 9.23 | | | | |

Cuadro 1: Análisis mensual de lluvias

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