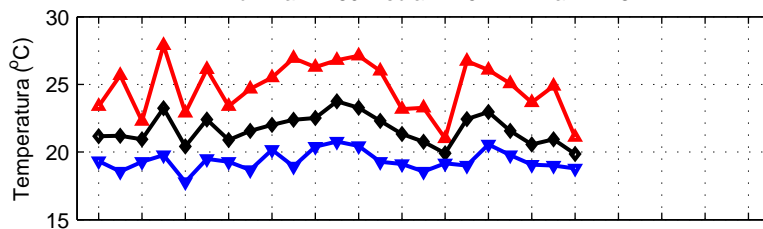


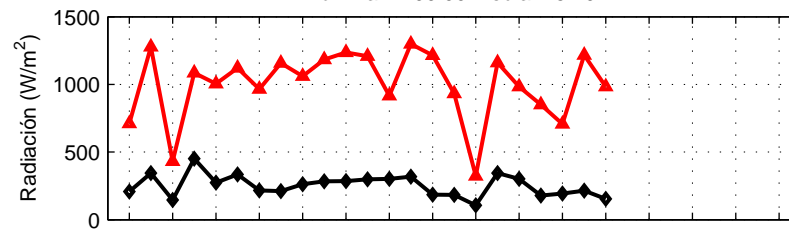
Estación: Quinchia Seafield
Fecha: Mayo de 2013
Registros: 23 de 31

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>

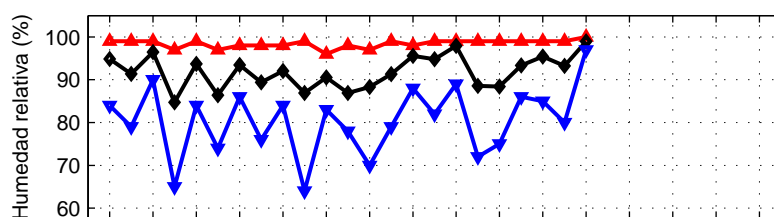
Máxima: 27.89 Media: 21.67 Mínima: 17.78



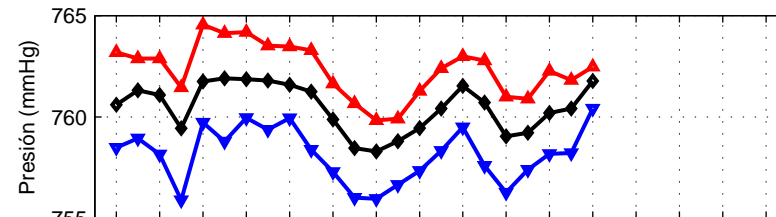
Máxima: 1299.00 Media: 251.92



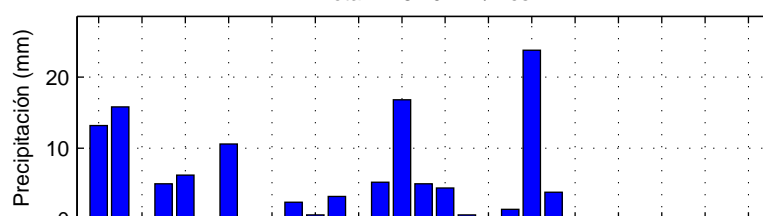
Máxima: 100.00 Media: 91.85 Mínima: 64.00



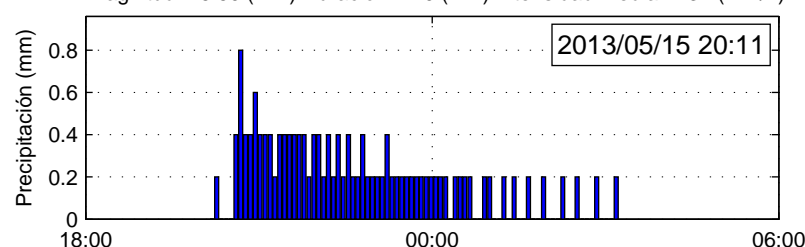
Máxima: 764.54 Media: 760.47 Mínima: 755.90



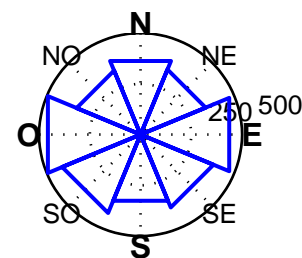
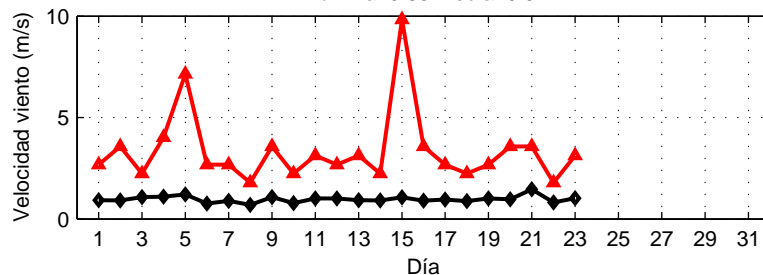
Total: 118.20 mm/mes



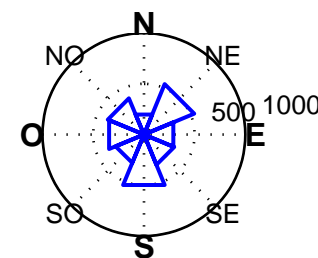
Magnitud: 16.60 (mm) Duración: 420 (min) Intensidad Media: 2.37 (mm/h)



Máxima: 9.83 Media: 0.97



Dirección del viento (Día)



Dirección del viento (Noche)



Estación: Quinchia Seafield
Fecha: Mayo de 2013
Registros: 23 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 | 23.39 | 21.16 | 19.33 | 2.68 | 0.93 | 760.61 | 94.86 | 13.20 | 1.52 | 710.00 | 207.35 |
| 2 | 25.67 | 21.20 | 18.56 | 3.58 | 0.92 | 761.31 | 91.39 | 15.80 | 2.44 | 1278.00 | 344.61 |
| 3 | 22.28 | 20.93 | 19.28 | 2.24 | 1.08 | 761.08 | 96.44 | 0.00 | 0.86 | 432.00 | 145.63 |
| 4 | 27.89 | 23.24 | 19.78 | 4.02 | 1.10 | 759.44 | 84.71 | 5.00 | 3.58 | 1085.00 | 451.37 |
| 5 | 22.89 | 20.41 | 17.78 | 7.15 | 1.21 | 761.75 | 93.72 | 6.20 | 1.91 | 1004.00 | 272.98 |
| 6 | 26.11 | 22.41 | 19.50 | 2.68 | 0.77 | 761.91 | 86.41 | 0.00 | 2.69 | 1121.00 | 334.57 |
| 7 | 23.39 | 20.89 | 19.28 | 2.68 | 0.89 | 761.86 | 93.42 | 10.60 | 1.60 | 965.00 | 216.80 |
| 8 | 24.67 | 21.56 | 18.67 | 1.79 | 0.70 | 761.80 | 89.38 | 0.00 | 1.60 | 1158.00 | 210.32 |
| 9 | 25.50 | 22.01 | 20.17 | 3.58 | 1.08 | 761.58 | 92.02 | 0.00 | 2.03 | 1060.00 | 261.48 |
| 10 | 26.94 | 22.39 | 18.94 | 2.24 | 0.78 | 761.25 | 86.92 | 2.40 | 2.24 | 1183.00 | 283.50 |
| 11 | 26.28 | 22.52 | 20.39 | 3.13 | 1.01 | 759.88 | 90.55 | 0.60 | 2.21 | 1236.00 | 285.49 |
| 12 | 26.78 | 23.75 | 20.78 | 2.68 | 1.02 | 758.46 | 86.88 | 3.20 | 2.24 | 1209.00 | 298.56 |
| 13 | 27.11 | 23.27 | 20.44 | 3.13 | 0.93 | 758.30 | 88.29 | 0.00 | 2.36 | 916.00 | 302.07 |
| 14 | 26.00 | 22.30 | 19.28 | 2.24 | 0.91 | 758.81 | 91.34 | 5.20 | 2.54 | 1299.00 | 317.51 |
| 15 | 23.17 | 21.33 | 19.11 | 9.83 | 1.07 | 759.45 | 95.55 | 16.80 | 1.40 | 1215.00 | 184.62 |
| 16 | 23.28 | 20.76 | 18.56 | 3.58 | 0.91 | 760.42 | 94.78 | 5.00 | 1.37 | 932.00 | 183.87 |
| 17 | 21.00 | 19.91 | 19.17 | 2.68 | 0.96 | 761.54 | 97.89 | 4.40 | 0.69 | 323.00 | 106.04 |
| 18 | 26.72 | 22.44 | 19.00 | 2.24 | 0.88 | 760.71 | 88.55 | 0.60 | 2.62 | 1160.00 | 344.62 |
| 19 | 26.06 | 22.97 | 20.56 | 2.68 | 1.01 | 759.05 | 88.41 | 0.00 | 2.46 | 983.00 | 301.65 |
| 20 | 25.06 | 21.57 | 19.78 | 3.58 | 0.97 | 759.23 | 93.33 | 1.40 | 1.40 | 851.00 | 178.72 |
| 21 | 23.67 | 20.55 | 19.06 | 3.58 | 1.46 | 760.20 | 95.42 | 23.80 | 1.42 | 707.00 | 193.42 |
| 22 | 24.89 | 20.94 | 19.00 | 1.79 | 0.82 | 760.41 | 93.24 | 3.80 | 1.63 | 1216.00 | 214.61 |
| 23 | 21.11 | 19.85 | 18.78 | 3.13 | 1.02 | 761.77 | 98.96 | 0.20 | 0.30 | 984.00 | 154.40 |
| 24 | | | | | | | | | | | |
| 25 | | | | | | | | | | | |
| 26 | | | | | | | | | | | |
| 27 | | | | | | | | | | | |
| 28 | | | | | | | | | | | |
| 29 | | | | | | | | | | | |
| 30 | | | | | | | | | | | |
| 31 | | | | | | | | | | | |
| TOTAL | | | | | | | | 118.20 | 43.11 | | |
| PROM | 24.78 | 21.67 | 19.36 | 3.34 | 0.97 | 760.47 | 91.85 | | | 1001.17 | 251.92 |

Cuadro 1: Resumen de análisis climatológico

Estación: Quinchia Seafield
Fecha: Mayo de 2013
Registros: 23 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 | 2 | 3 | 0 | 2 | 1 | 0 | 2 | 5 | 13.20 | 2.25 | 9.38 | 120.00 | 10.80 | 5.18 | 19.20 |
| 2 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 2 | 15.80 | 0.92 | 3.82 | 70.00 | 15.60 | 12.48 | 50.40 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5.00 | 0.42 | 1.74 | 30.00 | 5.00 | 8.57 | 21.60 |
| 5 | 0 | 0 | 4 | 0 | 3 | 1 | 0 | 0 | 4 | 6.20 | 2.25 | 9.38 | 215.00 | 5.60 | 1.53 | 4.80 |
| 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 | 1 | 4 | 0 | 1 | 0 | 2 | 2 | 5 | 10.60 | 2.00 | 8.33 | 90.00 | 8.60 | 5.43 | 21.60 |
| 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 | 1 | 1 | 2 | 0 | 0 | 0 | 2 | 2.40 | 0.92 | 3.82 | 105.00 | 2.00 | 1.09 | 4.80 |
| 11 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 2 | 0.60 | 0.25 | 1.04 | 30.00 | 0.40 | 0.69 | 2.40 |
| 12 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 3.20 | 0.08 | 0.35 | 5.00 | 3.20 | 19.20 | 38.40 |
| 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 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 2 | 5.20 | 1.50 | 6.25 | 115.00 | 5.00 | 2.50 | 7.20 |
| 15 | 0 | 1 | 9 | 0 | 2 | 6 | 1 | 1 | 10 | 16.80 | 4.92 | 20.49 | 230.00 | 13.20 | 3.37 | 9.60 |
| 16 | 0 | 0 | 7 | 1 | 5 | 2 | 0 | 1 | 8 | 5.00 | 2.08 | 8.68 | 190.00 | 3.40 | 1.05 | 2.40 |
| 17 | 0 | 0 | 16 | 3 | 4 | 10 | 5 | 0 | 19 | 4.40 | 1.83 | 7.64 | 30.00 | 0.40 | 0.69 | 2.40 |
| 18 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0.60 | 0.17 | 0.69 | 15.00 | 0.60 | 1.80 | 4.80 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 0 | 0 | 2 | 0 | 0 | 1 | 1 | 0 | 2 | 1.40 | 0.50 | 2.08 | 40.00 | 0.80 | 1.07 | 2.40 |
| 21 | 1 | 1 | 7 | 2 | 3 | 0 | 5 | 3 | 11 | 23.80 | 3.83 | 15.97 | 45.00 | 12.40 | 14.88 | 60.00 |
| 22 | 0 | 0 | 6 | 3 | 3 | 3 | 0 | 3 | 9 | 3.80 | 1.58 | 6.60 | 55.00 | 1.20 | 1.20 | 2.40 |
| 23 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0.20 | 0.08 | 0.35 | 10.00 | 0.20 | 0.80 | 2.40 |
| 24 | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | |
| MAX | 1 | 2 | 16 | 3 | 5 | 10 | 5 | 3 | 19 | 23.80 | 4.92 | 20.49 | 230.00 | 15.60 | 19.20 | 60.00 |
| TOTAL | 4 | 6 | 64 | 11 | 29 | 25 | 17 | 14 | 85 | 118.20 | 25.58 | 3.44 | | | | |

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