



# Universidad Nacional de Colombia - Sede Manizales

Observatorios Ambientales para el Desarrollo Urbano Sostenible en Manizales

Red de Estaciones Hidrometeorológicas para Prevención de Desastres de Manizales



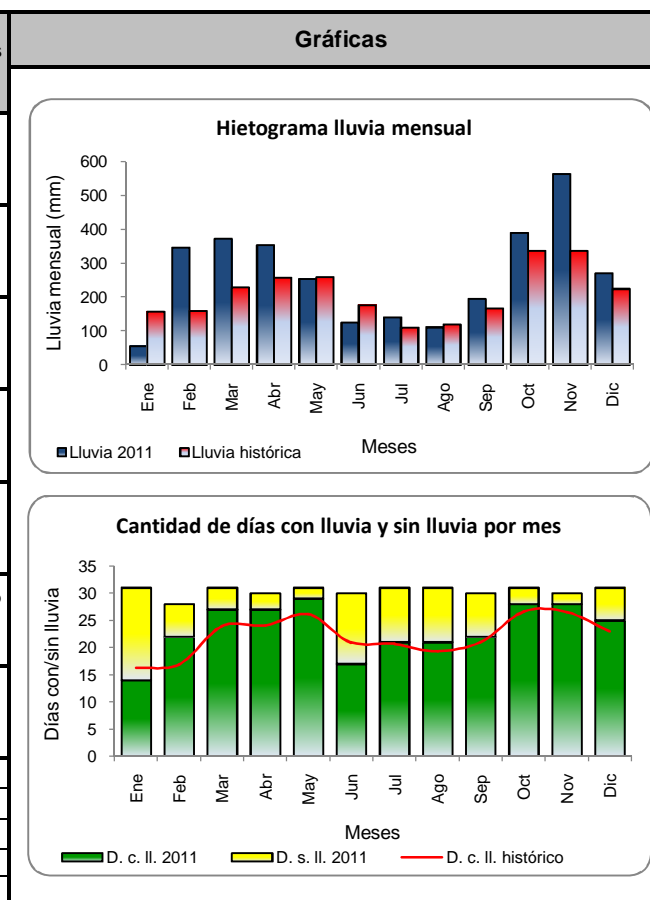
## Estación Meteorológica Yarumos

Código: EMM-05

### Registro de llluvias diarias y mensuales

Año 2011

| DíaMes         | Ene  | Feb   | Mar   | Abr   | May   | Jun   | Jul   | Ago   | Sep   | Oct   | Nov   | Dic   | Indicadores anuales |     |
|----------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------------|-----|
| 1              | 0.0  | 1.0   | 30.0  | 2.8   | 3.6   | 31.0  | 6.9   | 0.3   | 0.0   | 23.6  | 0.0   | 19.1  | Indicadores anuales |     |
| 2              | 1.5  | 0.0   | 59.7  | 1.3   | 9.1   | 37.1  | 4.3   | 13.5  | 0.0   | 3.8   | 0.3   | 8.1   |                     |     |
| 3              | 1.0  | 0.0   | 40.4  | 0.0   | 2.3   | 8.1   | 0.3   | 6.6   | 2.3   | 3.6   | 0.0   | 9.9   | A25 min *           |     |
| 4              | 30.2 | 0.0   | 1.5   | 6.6   | 1.8   | 22.9  | 0.5   | 0.0   | 1.0   | 9.2   | 23.4  | 17.5  |                     |     |
| 5              | 10.2 | 0.0   | 1.5   | 8.4   | 0.5   | 0.0   | 0.3   | 0.5   | 0.0   | 0.0   | 2.0   | 46.6  | 12.4                |     |
| 6              | 0.3  | 85.1  | 32.3  | 6.9   | 0.8   | 0.8   | 11.2  | 0.0   | 0.0   | 22.4  | 0.3   | 14.0  | A25 max *           |     |
| 7              | 0.8  | 9.9   | 5.3   | 6.6   | 0.8   | 1.8   | 0.0   | 0.0   | 2.8   | 0.8   | 37.1  | 20.1  |                     |     |
| 8              | 0.3  | 23.1  | 23.9  | 4.8   | 2.5   | 0.0   | 0.0   | 0.0   | 25.9  | 9.4   | 22.4  | 1.0   | 556.8               |     |
| 9              | 0.0  | 14.0  | 52.1  | 15.0  | 4.1   | 0.0   | 0.0   | 0.0   | 27.2  | 2.8   | 3.6   | 0.3   |                     |     |
| 10             | 0.0  | 1.8   | 4.3   | 12.2  | 4.8   | 0.0   | 0.3   | 0.0   | 34.5  | 20.3  | 32.5  | 1.8   | Max. d. c. c. ll.   |     |
| 11             | 0.3  | 0.5   | 1.0   | 6.1   | 10.4  | 0.0   | 0.0   | 0.3   | 3.3   | 9.2   | 16.8  | 0.3   |                     |     |
| 12             | 0.0  | 0.0   | 0.0   | 21.3  | 9.4   | 0.0   | 1.5   | 4.3   | 8.1   | 29.2  | 60.7  | 2.0   | 46                  |     |
| 13             | 0.5  | 23.9  | 0.0   | 2.0   | 51.1  | 0.3   | 12.7  | 3.6   | 0.3   | 1.5   | 2.0   | 5.3   |                     |     |
| 14             | 1.8  | 6.6   | 0.0   | 13.7  | 9.1   | 0.5   | 16.5  | 0.5   | 2.0   | 37.3  | 0.3   | 16.5  | Max. d. c. s. ll.   |     |
| 15             | 0.0  | 10.4  | 11.4  | 32.8  | 2.0   | 0.0   | 28.2  | 1.8   | 0.0   | 37.1  | 1.0   | 17.3  |                     |     |
| 16             | 2.5  | 16.3  | 18.5  | 8.4   | 9.1   | 0.0   | 2.3   | 1.0   | 2.0   | 45.2  | 9.4   | 40.1  | 7                   |     |
| 17             | 0.5  | 18.0  | 0.5   | 7.1   | 31.2  | 0.0   | 1.0   | 2.3   | 4.8   | 40.1  | 31.5  | 4.6   |                     |     |
| 18             | 3.8  | 38.6  | 8.6   | 21.8  | 8.6   | 0.0   | 2.5   | 13.2  | 15.2  | 17.0  | 56.4  | 9.2   | Mes más lluvioso    |     |
| 19             | 0.0  | 0.3   | 9.1   | 23.6  | 15.5  | 0.5   | 0.5   | 4.1   | 1.5   | 1.0   | 32.5  | 27.7  |                     |     |
| 20             | 0.0  | 2.5   | 3.8   | 52.1  | 5.9   | 1.5   | 0.3   | 15.0  | 18.0  | 0.0   | 21.3  | 0.0   | Noviembre           |     |
| 21             | 0.0  | 2.3   | 5.6   | 11.9  | 15.7  | 1.5   | 0.0   | 2.0   | 0.3   | 1.8   | 16.0  | 0.0   |                     |     |
| 22             | 0.0  | 2.0   | 4.6   | 24.1  | 12.2  | 0.0   | 0.0   | 0.3   | 0.3   | 0.0   | 25.7  | 0.0   | Mes más seco        |     |
| 23             | 0.0  | 20.8  | 20.6  | 4.1   | 0.0   | 2.8   | 0.5   | 31.0  | 10.4  | 5.3   | 5.6   | 0.5   |                     |     |
| 24             | 0.0  | 22.6  | 2.3   | 20.3  | 2.0   | 6.9   | 0.0   | 2.3   | 22.1  | 0.5   | 11.7  | 0.3   | Enero               |     |
| 25             | 0.0  | 7.9   | 3.8   | 20.8  | 4.8   | 3.8   | 0.0   | 0.0   | 9.4   | 7.4   | 0.5   | 0.0   |                     |     |
| 26             | 2.3  | 0.0   | 0.3   | 0.0   | 17.0  | 0.3   | 0.0   | 0.5   | 0.3   | 1.3   | 2.0   | 1.8   | D. acum.            |     |
| 27             | 0.0  | 6.4   | 7.1   | 10.2  | 1.8   | 0.0   | 0.0   | 2.3   | 0.0   | 1.0   | 12.7  | 0.0   |                     |     |
| 28             | 0.0  | 32.5  | 19.1  | 4.6   | 1.3   | 0.0   | 17.8  | 6.1   | 0.0   | 15.5  | 75.2  | 0.0   | 365                 |     |
| 29             | 0.0  |       | 0.3   | 3.8   | 6.4   | 2.5   | 21.8  | 0.0   | 3.3   | 15.8  | 14.7  | 1.8   |                     |     |
| 30             | 0.0  |       | 0.0   | 0.0   | 0.0   | 2.8   | 10.7  | 0.0   | 0.0   | 27.9  | 46.2  | 4.3   | 85.1                |     |
| 31             | 0.0  |       | 4.8   |       | 10.2  |       | 0.8   | 0.0   |       | 0.3   |       | 0.3   |                     |     |
| Ll. d. max *   | 30.2 | 85.1  | 59.7  | 52.1  | 51.1  | 37.1  | 28.2  | 31.0  | 34.5  | 45.2  | 75.2  | 46.6  | 8.7                 |     |
| Ll. d. prom. * | 1.8  | 12.4  | 12.0  | 11.8  | 8.2   | 4.2   | 4.5   | 3.6   | 6.5   | 12.6  | 18.8  | 8.7   |                     |     |
| Ll. acum. *    | 55.9 | 346.5 | 372.4 | 353.3 | 254.0 | 125.0 | 140.7 | 111.3 | 195.1 | 390.1 | 563.6 | 270.1 | 3177.8              |     |
| D. c. ll.      | 14   | 22    | 27    | 27    | 29    | 17    | 21    | 21    | 22    | 28    | 28    | 25    | 281                 | 77% |
| D. s. ll.      | 17   | 6     | 4     | 3     | 2     | 13    | 10    | 10    | 8     | 3     | 2     | 6     | 84                  | 23% |



**Convenciones** Los indicadores son mensuales o anuales según la casilla en que se encuentren: Ll. d. max: Lluvia diaria máxima; Ll. d. prom: Lluvia diaria promedio; Ll. acum: Lluvia acumulada; D. c. ll: Días con lluvia; D. s. ll: Días sin lluvia; A25 min: Indicador lluvia antecedente 25 días mínimo; A25 max: Indicador lluvia antecedente 25 días máximo; Max. d. c. c. ll: Máximo número de días continuos con lluvia; Max. d. c. s. ll: Máximo número de días continuos sin lluvia; D. acum: Días acumulados

**Nota1:** Los registros de lluvia diaria y los indicadores señalados con \* están medidos en mm **Nota2:** Datos resaltados en rojo estan incompletos **Nota3:** La estación entró en funcionamiento en enero de 2004