



AGROMETEOROLOGICAL BULLETIN

February 2018
2nd 10-day period

- Temperature
- Relative Humidity
- Soil Temperature
- Sunshine Duration
- Precipitation
- Evaporation
- Growing Degrees
- Reference Evapotranspiration
- Accumulated Rainfall from the beginning of wet period
- Accumulated Reference Evapotranspiration
- Number of dry days



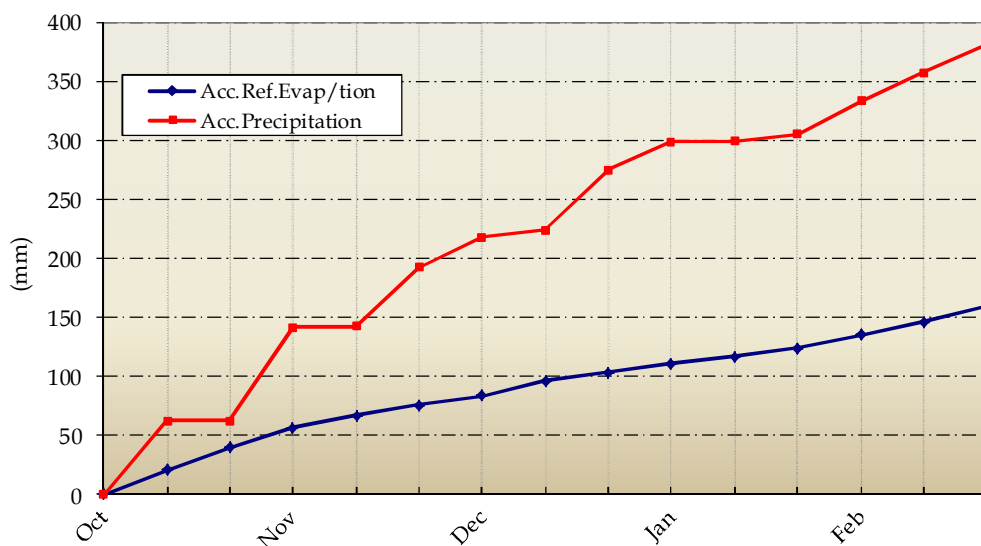
Hellenic National Meteorological Service
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El. Venizelou Street 14, 16777
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Web adresses of HNMS
www.emy.gr
www.hnms.gr
www.emy.gov.gr
www.meteo.gov.gr
www.meteohellas.gr

| 2nd 10-day period (11-20/02/2018) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|-----|------|------|------|------|-----|------|------|-----|----------------------|------------------------|--------------------------|
| Temperature | Max | 8.2 | 8.2 | 10.6 | 13.0 | 11.4 | 11.4 | 9.8 | 11.4 | 10.0 | 8.2 | 10.2 | 9.1 | 10.0 |
| | Min | 4.4 | 1.0 | 2.4 | 7.6 | 3.0 | 5.4 | 1.4 | 0.0 | 5.6 | 5.4 | 3.6 | -0.4 | 2.2 |
| Relative Humidity | Max | 97 | 93 | 97 | 92 | 90 | 96 | 89 | 91 | 97 | 88 | 93 | 87 | - |
| | Min | 74 | 62 | 48 | 61 | 39 | 48 | 56 | 50 | 65 | 76 | 58 | 46 | - |
| Soil Temperature at 10 cm | 06 UTC | 7.4 | 5.6 | 6.2 | 8.6 | 6.2 | 6.4 | 5.8 | 5.2 | 6.4 | 6.6 | 6.4 | 5.1 | 4.8 |
| | 12 UTC | 7.2 | 7.6 | 8.6 | 9.8 | 8.2 | 8.2 | 8.4 | 8.6 | 7.4 | 7.2 | 8.1 | 8.1 | 6.1 |
| Sunshine Duration | | 0.0 | 4.6 | 4.9 | 4.0 | 3.7 | 5.3 | 9.2 | 7.3 | 0.9 | 0.0 | 4.0 | 6.6 | 3.7 |
| Precipitation | | 10.6 | 0.6 | 0.5 | 11.8 | 0.0 | 0.0 | | | | 0.0 | 23.5 | 27.1 | 18.4 |
| Evaporation | | 0.2 | 2.0 | 0.2 | 1.5 | 3.4 | 0.4 | 0.0 | 0.0 | 4.1 | 0.8 | 12.6 | 5.1 | 10.5 |
| Growing Degrees | 5 | 1.3 | 0.0 | 1.5 | 5.3 | 2.2 | 3.4 | 0.6 | 0.7 | 2.8 | 1.8 | 19.6 | 8.2 | 23.6 |
| | 10 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 4.0 |

| 2nd 10-day period (11-20/02/2018) | | Previous Year Value | Past Years Mean Value |
|--|------|------------------------|--------------------------|
| Reference Evapotranspiration | 12.6 | 12.7 | 12.3 |
| Precipitation - Reference Evapotranspiration | 10.9 | 14.4 | 6.1 |
| Number of Rainy Days | 4.0 | 2.0 | 2.7 |
| Number of Dry Days | 0.0 | 9.0 | - |

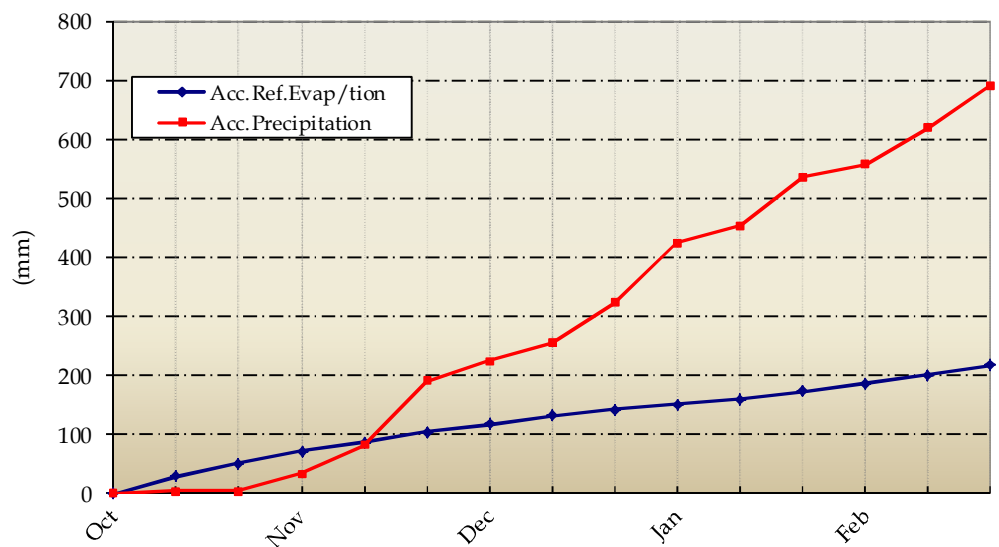
Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



| 2nd 10-day period (11-20/02/2018) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 14.0 | 13.9 | 14.8 | 14.2 | 11.0 | 15.3 | 16.0 | 15.7 | 14.9 | 12.3 | 14.2 | 14.6 | 14.5 |
| | Min | 9.4 | 5.6 | 6.5 | 7.6 | 7.5 | 7.7 | 3.7 | 7.0 | 9.1 | 9.6 | 7.4 | 3.1 | 6.2 |
| Relative Humidity | Max | 87 | 87 | 87 | 87 | 89 | 78 | 87 | 86 | 90 | 91 | 87 | 88 | - |
| | Min | 54 | 50 | 64 | 43 | 64 | 46 | 48 | 48 | 61 | 78 | 56 | 45 | - |
| Soil Temperature at 10 cm | 06 UTC | 11.6 | 9.8 | 10.6 | 11.0 | 10.8 | 9.4 | 9.6 | 10.4 | 11.6 | 11.6 | 10.6 | 8.4 | 9.1 |
| | 12 UTC | 12.0 | 11.4 | 11.2 | 12.0 | 10.6 | 10.7 | 11.2 | 11.6 | 12.2 | 11.9 | 11.5 | 12.6 | 11.0 |
| Sunshine Duration | | 4.9 | 6.4 | 1.5 | 6.3 | 2.3 | 9.5 | 9.6 | 0.6 | 0.1 | 0.1 | 4.1 | 7.1 | 4.8 |
| Precipitation | | 13.1 | 0.0 | 7.2 | 8.1 | 25.6 | | | | 2.2 | 16.7 | 72.9 | 10.1 | 37.6 |
| Evaporation | | 0.5 | 1.0 | 0.8 | 0.8 | 1.8 | 3.0 | 3.0 | 0.5 | 1.3 | 0.7 | 13.4 | 19.6 | 21.3 |
| Growing Degrees | 5 | 6.7 | 4.8 | 5.7 | 5.9 | 4.3 | 6.5 | 4.9 | 6.4 | 7.0 | 6.0 | 57.9 | 38.3 | 54.0 |
| | 10 | 1.7 | 0.0 | 0.7 | 0.9 | 0.0 | 1.5 | 0.0 | 1.4 | 2.0 | 1.0 | 9.1 | 6.9 | 13.3 |

| 2nd 10-day period (11-20/02/2018) | | Previous Year Value | Past Years Mean Value |
|--|------|------------------------|--------------------------|
| Reference Evapotranspiration | 15.7 | 16.4 | 14.2 |
| Precipitation - Reference Evapotranspiration | 57.2 | -6.3 | 23.4 |
| Number of Rainy Days | 6.0 | 3.0 | 5.1 |
| Number of Dry Days | 0.0 | 7.0 | - |

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

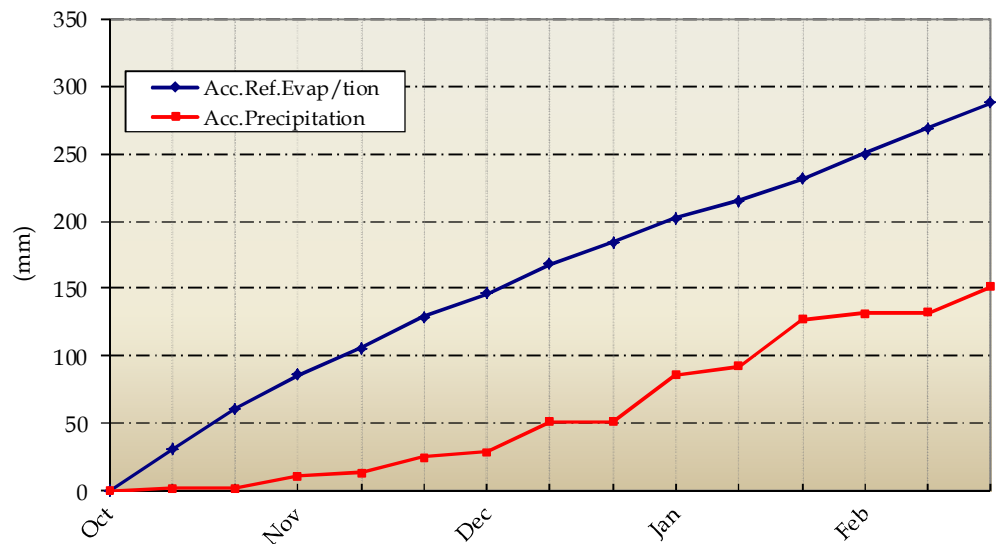


Iraklio

| 2nd 10-day period (11-20/02/2018) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 18.6 | 16.2 | 17.0 | 17.0 | 15.0 | 13.4 | 14.0 | 15.2 | 16.0 | 18.2 | 16.1 | 13.4 | 15.9 |
| | Min | 11.4 | 8.2 | 9.6 | 11.0 | 10.6 | 7.2 | 12.0 | 11.6 | 10.0 | 11.0 | 10.3 | 9.2 | 9.3 |
| Relative Humidity | Max | 77 | 87 | 81 | 92 | 88 | 89 | 83 | 89 | 90 | 95 | 87 | 80 | - |
| | Min | 47 | 54 | 52 | 47 | 54 | 77 | 76 | 67 | 68 | 62 | 60 | 55 | - |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Sunshine Duration | | 8.1 | 5.2 | 8.5 | 7.9 | 1.4 | 2.2 | 0.3 | 6.9 | 3.1 | 2.9 | 4.6 | 4.1 | 4.8 |
| Precipitation | | | 1.0 | | 1.2 | 6.7 | 7.0 | 2.4 | | | 1.3 | 19.6 | 7.4 | 20.7 |
| Evaporation | | 1.7 | 2.8 | 2.5 | 3.2 | 0.4 | 0.6 | 2.6 | 1.5 | 2.1 | 0.6 | 18.0 | 28.3 | 30.3 |
| Growing Degrees | 5 | 10.0 | 7.2 | 8.3 | 9.0 | 7.8 | 5.3 | 8.0 | 8.4 | 8.0 | 9.6 | 81.6 | 62.9 | 75.8 |
| | 10 | 5.0 | 2.2 | 3.3 | 4.0 | 2.8 | 0.3 | 3.0 | 3.4 | 3.0 | 4.6 | 31.6 | 14.8 | 27.6 |

| 2nd 10-day period (11-20/02/2018) | | Previous Year Value | Past Years Mean Value |
|--|------|------------------------|--------------------------|
| Reference Evapotranspiration | 18.5 | 21.6 | - |
| Precipitation - Reference Evapotranspiration | 1.1 | -14.2 | 20.7 |
| Number of Rainy Days | 6.0 | 2.0 | 4.0 |
| Number of Dry Days | 2.0 | 11.0 | - |

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

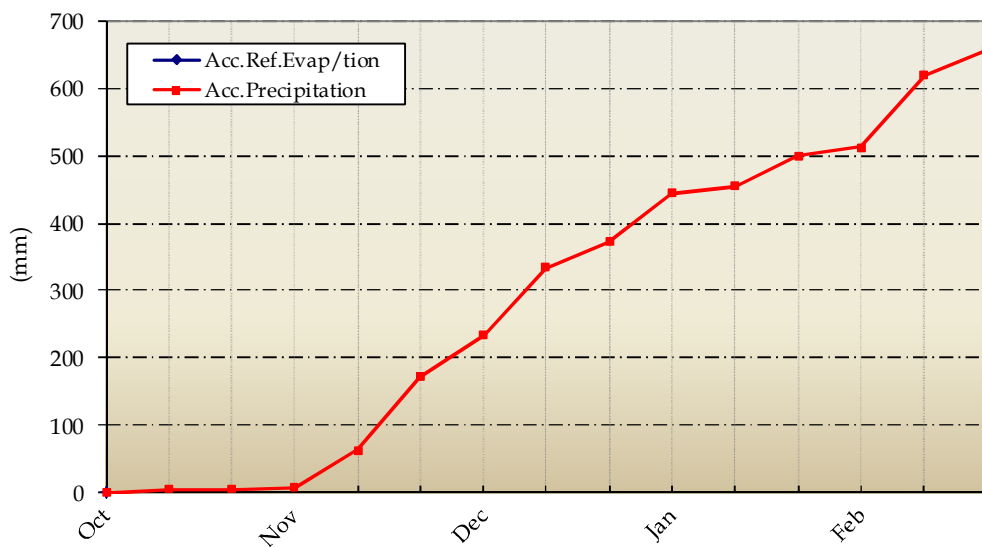


Ioannina

| 2nd 10-day period (11-20/02/2018) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|-----|-----|------|------|-----|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 9.4 | 8.6 | 7.6 | 8.4 | 9.0 | 15.8 | 15.6 | 14.2 | 13.8 | 12.6 | 11.5 | 11.9 | 10.3 |
| | Min | 4.8 | 1.6 | 0.0 | 1.2 | 3.0 | 3.2 | -1.0 | 2.4 | 5.2 | 6.4 | 2.7 | -2.8 | 1.8 |
| Relative Humidity | Max | 97 | 97 | 100 | 100 | 80 | 95 | 96 | 93 | 94 | 94 | 95 | 99 | - |
| | Min | 88 | 80 | 93 | 55 | 53 | 35 | 41 | 49 | 48 | 52 | 59 | 42 | - |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | 4.4 |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | 5.4 |
| Sunshine Duration | | 0.0 | 0.7 | 0.0 | 1.9 | 0.4 | 7.6 | 7.4 | 5.3 | 3.4 | 1.3 | 2.8 | 5.6 | 3.3 |
| Precipitation | | 7.6 | | 10.1 | 18.4 | 0.1 | | | | 0.0 | 2.2 | 38.4 | 31.0 | 46.4 |
| Evaporation | | - | - | - | - | - | - | - | - | - | - | - | - | 11.3 |
| Growing Degrees | 5 | 2.1 | 0.1 | 0.0 | 0.0 | 1.0 | 4.5 | 2.3 | 3.3 | 4.5 | 4.5 | 22.3 | - | 18.2 |
| | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | 1.8 |

| 2nd 10-day period (11-20/02/2018) | | Previous Year Value | Past Years Mean Value |
|--|-----|------------------------|--------------------------|
| Reference Evapotranspiration | - | - | 11.4 |
| Precipitation - Reference Evapotranspiration | - | - | 35.0 |
| Number of Rainy Days | 5.0 | 1.0 | 5.0 |
| Number of Dry Days | 0.0 | 11.0 | - |

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

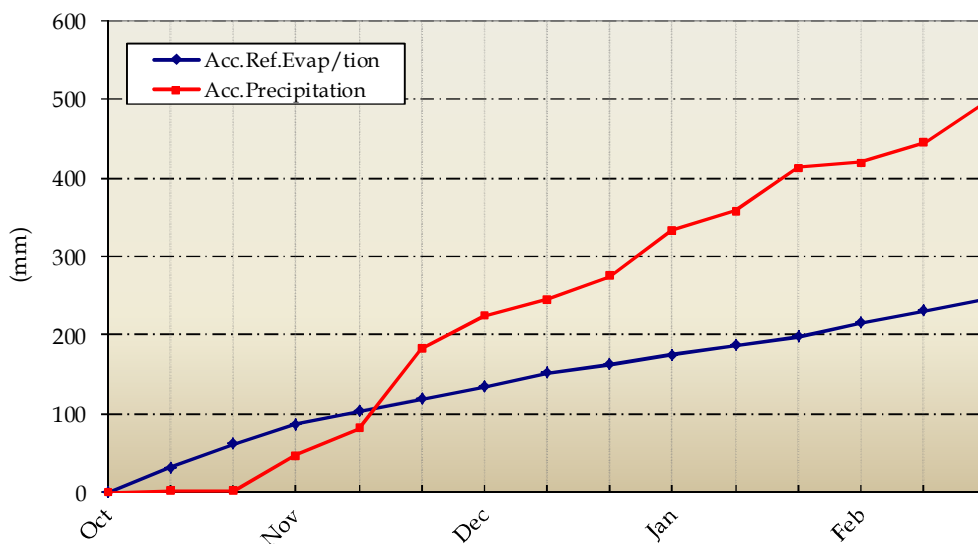


Kalamata

| 2nd 10-day period (11-20/02/2018) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 14.2 | 13.8 | 16.0 | 13.4 | 13.0 | 17.2 | 15.8 | 16.8 | 14.0 | 14.0 | 14.8 | 16.2 | 15.1 |
| | Min | 10.9 | 3.1 | 3.4 | 7.6 | 6.2 | 7.0 | 2.9 | 5.1 | 8.1 | 9.7 | 6.4 | 5.2 | 5.9 |
| Relative Humidity | Max | 93 | 93 | 93 | 91 | 91 | 81 | 89 | 93 | 93 | 93 | 91 | 82 | - |
| | Min | 51 | 51 | 55 | 56 | 59 | 37 | 56 | 53 | 69 | 69 | 56 | 39 | - |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | 9.6 |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | 10.9 |
| Sunshine Duration | | 3.3 | 6.4 | 2.8 | 4.6 | 2.1 | 8.6 | 9.2 | 5.0 | 0.2 | 0.0 | 4.2 | 6.6 | 4.5 |
| Precipitation | | 2.8 | 0.0 | 2.2 | 4.9 | 13.3 | | | | 7.7 | 21.0 | 51.9 | 0.3 | 43.8 |
| Evaporation | | 0.5 | 2.2 | 0.2 | 0.1 | 0.3 | 1.8 | 1.0 | 3.8 | 0.0 | 1.4 | 11.3 | 26.3 | 26.5 |
| Growing Degrees | 5 | 7.6 | 3.5 | 4.7 | 5.5 | 4.6 | 7.1 | 4.4 | 6.0 | 6.1 | 6.9 | 56.1 | 57.1 | 55.5 |
| | 10 | 2.6 | 0.0 | 0.0 | 0.5 | 0.0 | 2.1 | 0.0 | 1.0 | 1.1 | 1.9 | 9.0 | 11.5 | 12.8 |

| 2nd 10-day period (11-20/02/2018) | | Previous Year Value | Past Years Mean Value |
|--|------|------------------------|--------------------------|
| Reference Evapotranspiration | 14.5 | 19.8 | 15.6 |
| Precipitation - Reference Evapotranspiration | 37.4 | -19.5 | 28.2 |
| Number of Rainy Days | 6.0 | 2.0 | 5.2 |
| Number of Dry Days | 0.0 | 0.0 | - |

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

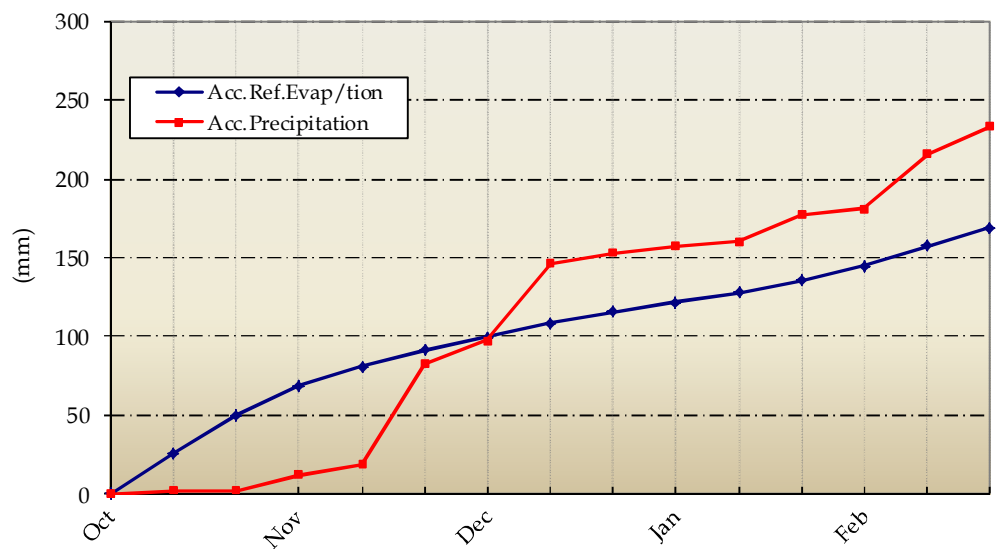


Larisa

| 2nd 10-day period (11-20/02/2018) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|-----|------|------|------|------|-----|----------------------|------------------------|--------------------------|
| Temperature | Max | 11.6 | 13.2 | 10.6 | 14.0 | 7.0 | 11.3 | 13.7 | 11.0 | 10.2 | 9.4 | 11.2 | 11.4 | 12.1 |
| | Min | 5.6 | 1.8 | -0.1 | 6.8 | 2.2 | 5.5 | -0.8 | 1.7 | 5.6 | 7.2 | 3.6 | 1.6 | 1.9 |
| Relative Humidity | Max | 97 | 99 | 100 | 89 | 86 | 98 | 100 | 99 | 96 | 97 | 96 | 95 | - |
| | Min | 63 | 50 | 75 | 37 | 61 | 53 | 57 | 69 | 83 | 74 | 62 | 52 | - |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | 6.7 |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | 7.2 |
| Sunshine Duration | | 2.7 | 5.2 | 0.0 | 8.5 | 0.0 | 2.7 | 7.9 | 0.0 | 0.0 | 0.0 | 2.7 | 4.6 | 4.0 |
| Precipitation | | 8.1 | 0.4 | | 4.2 | 3.0 | | | | 1.3 | 0.8 | 17.8 | 12.2 | 12.7 |
| Evaporation | | 4.0 | 0.1 | 0.1 | 2.5 | 2.9 | 0.6 | 3.5 | 0.5 | 2.8 | 0.2 | 17.2 | 2.6 | 10.0 |
| Growing Degrees | 5 | 3.6 | 2.5 | 0.3 | 5.4 | 0.0 | 3.4 | 1.5 | 1.4 | 2.9 | 3.3 | 24.2 | 15.7 | 25.9 |
| | 10 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 3.3 |

| 2nd 10-day period (11-20/02/2018) | | Previous Year Value | Past Years Mean Value |
|--|------|------------------------|--------------------------|
| Reference Evapotranspiration | 11.5 | 11.9 | 12.0 |
| Precipitation - Reference Evapotranspiration | 6.3 | 0.3 | 0.7 |
| Number of Rainy Days | 6.0 | 2.0 | 3.6 |
| Number of Dry Days | 0.0 | 8.0 | - |

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

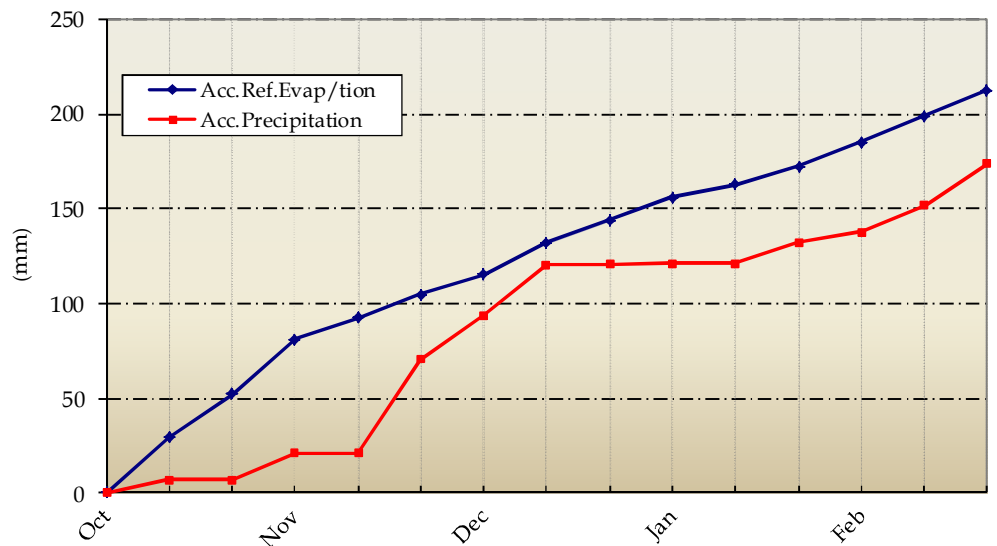


Mikra

| 2nd 10-day period (11-20/02/2018) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 9.6 | 10.7 | 10.0 | 13.1 | 10.4 | 12.2 | 14.0 | 12.0 | 12.8 | 10.9 | 11.6 | 10.2 | 11.2 |
| | Min | 6.3 | 3.1 | 2.9 | 7.6 | 1.0 | 4.0 | 0.2 | 6.2 | 8.3 | 8.2 | 4.8 | 2.8 | 2.9 |
| Relative Humidity | Max | 87 | 83 | 90 | 91 | 81 | 80 | 89 | 84 | 84 | 78 | 85 | 84 | - |
| | Min | 56 | 51 | 67 | 42 | 47 | 45 | 41 | 64 | 47 | 53 | 51 | 49 | - |
| Soil Temperature at 10 cm | 06 UTC | 8.0 | 7.2 | 7.5 | 8.8 | 7.2 | 7.1 | 6.5 | 8.5 | 9.2 | 9.0 | 7.9 | 6.2 | 5.9 |
| | 12 UTC | 8.0 | 8.0 | 7.8 | 9.6 | 8.0 | 8.2 | 8.0 | 9.0 | 8.2 | 9.6 | 8.4 | 7.8 | 7.7 |
| Sunshine Duration | | 0.0 | 6.3 | 0.4 | 7.4 | 0.0 | 3.5 | 9.0 | 0.1 | 0.0 | 0.0 | 2.7 | 4.6 | 3.8 |
| Precipitation | | 17.9 | | 1.2 | 2.5 | 0.0 | | | | | 0.0 | 21.6 | 11.2 | 15.0 |
| Evaporation | | 0.0 | 0.8 | 0.3 | 2.6 | 5.2 | 0.9 | 4.1 | 0.7 | 1.3 | 0.7 | 16.6 | 18.3 | 14.7 |
| Growing Degrees | 5 | 3.0 | 1.9 | 1.5 | 5.4 | 0.7 | 3.1 | 2.1 | 4.1 | 5.6 | 4.6 | 31.8 | 18.3 | 26.4 |
| | 10 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 0.9 | 0.0 | 3.8 |

| 2nd 10-day period (11-20/02/2018) | | Previous Year Value | Past Years Mean Value |
|--|------|------------------------|--------------------------|
| Reference Evapotranspiration | 13.9 | 11.9 | 13.1 |
| Precipitation - Reference Evapotranspiration | 7.7 | -0.7 | 1.9 |
| Number of Rainy Days | 3.0 | 1.0 | 3.4 |
| Number of Dry Days | 0.0 | 10.0 | - |

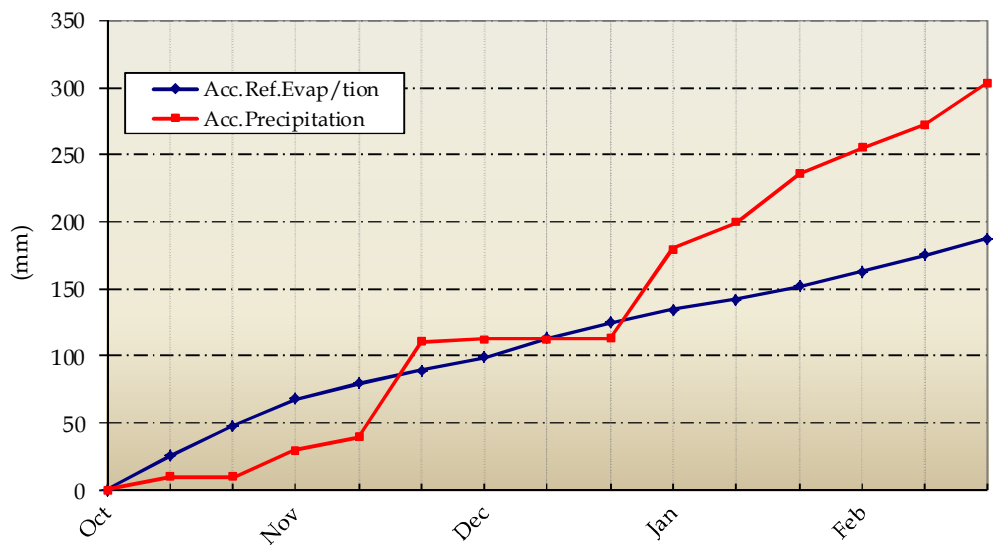
Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration



| 2nd 10-day period (11-20/02/2018) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|------|-----|------|------|------|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 14.1 | 13.4 | 14.8 | 14.6 | 9.8 | 9.6 | 12.9 | 13.4 | 11.6 | 10.4 | 12.5 | 11.4 | 13.2 |
| | Min | 7.4 | 2.2 | 3.3 | 9.1 | 2.7 | 4.2 | 7.7 | 0.4 | 6.6 | 7.2 | 5.1 | 2.8 | 4.1 |
| Relative Humidity | Max | 99 | 91 | 86 | 81 | 100 | 95 | 100 | 100 | 99 | 100 | 95 | 89 | - |
| | Min | 47 | 39 | 43 | 31 | 79 | 70 | 58 | 58 | 73 | 75 | 57 | 42 | - |
| Soil Temperature at 10 cm | 06 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 12 UTC | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Sunshine Duration | | 5.8 | 7.7 | 4.4 | 8.4 | 0.0 | 0.0 | 2.0 | 6.5 | 0.2 | 0.0 | 3.5 | 4.3 | |
| Precipitation | | 2.0 | | | 0.5 | 16.9 | 2.1 | | | 0.1 | 9.4 | 31.0 | 0.0 | 15.6 |
| Evaporation | | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Growing Degrees | 5 | 5.8 | 2.8 | 4.1 | 6.9 | 1.3 | 1.9 | 5.3 | 1.9 | 4.1 | 3.8 | 37.7 | 21.1 | |
| | 10 | 0.8 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 2.9 | 2.0 | |

| 2nd 10-day period (11-20/02/2018) | | Previous Year Value | Past Years Mean Value |
|--|------|------------------------|--------------------------|
| Reference Evapotranspiration | 12.3 | 13.4 | |
| Precipitation - Reference Evapotranspiration | 18.7 | -13.4 | 15.6 |
| Number of Rainy Days | 6.0 | 0.0 | 4.8 |
| Number of Dry Days | 0.0 | 11.0 | - |

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration

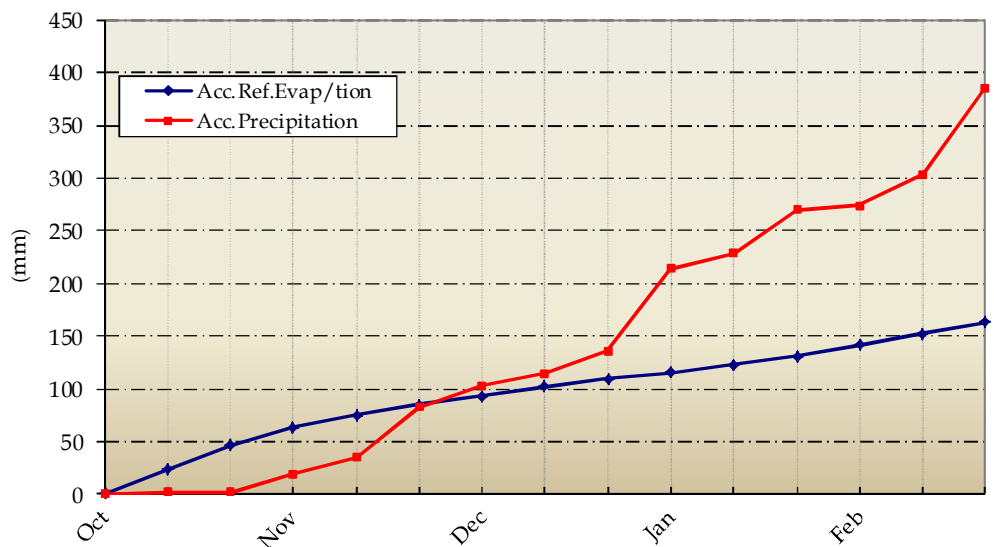


Tripoli

| 2nd 10-day period (11-20/02/2018) | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | Mean Value or Sum | Previous Year Value | Past Years Mean Value |
|--------------------------------------|--------|------|------|------|------|-----|------|------|-----|-----|------|----------------------|------------------------|--------------------------|
| Temperature | Max | 8.6 | 11.0 | 10.8 | 9.4 | 7.1 | 10.2 | - | - | 8.6 | 9.0 | 9.3 | 10.7 | 10.2 |
| | Min | 5.9 | -0.6 | 2.3 | 2.8 | 2.9 | 3.7 | -3.4 | 0.0 | 4.7 | 5.2 | 2.4 | -0.7 | 1.7 |
| Relative Humidity | Max | 96 | 98 | 99 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 99 | 96 | - |
| | Min | 57 | 41 | 57 | 45 | 73 | 57 | 38 | 41 | 84 | 89 | 58 | 45 | - |
| Soil Temperature at 10 cm | 06 UTC | 7.4 | 5.2 | 6.0 | 5.8 | 6.2 | 6.2 | 4.6 | 5.8 | 7.4 | 7.4 | 6.2 | 4.3 | 4.8 |
| | 12 UTC | - | 7.2 | 7.6 | 7.8 | 7.4 | 7.2 | - | - | - | 8.0 | 7.5 | 5.8 | 5.7 |
| Sunshine Duration | | 5.9 | 8.4 | 2.4 | 7.9 | 1.4 | 6.4 | 8.2 | 3.5 | 0.0 | 0.0 | 4.4 | 5.6 | 4.3 |
| Precipitation | | 18.4 | | 0.5 | 24.6 | 7.4 | | | | 8.6 | 22.8 | 82.3 | 0.3 | 39.0 |
| Evaporation | | 0.4 | 1.7 | 1.9 | 2.1 | 0.0 | - | - | 1.2 | 0.1 | 0.2 | - | 6.3 | 11.0 |
| Growing Degrees | 5 | 2.3 | 0.2 | 1.6 | 1.1 | 0.0 | 2.0 | - | - | 1.7 | 2.1 | - | 8.3 | 17.8 |
| | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 0.0 | 0.0 | - | 0.0 | 1.6 |

| 2nd 10-day period (11-20/02/2018) | | Previous Year Value | Past Years Mean Value |
|--|------|------------------------|--------------------------|
| Reference Evapotranspiration | 11.2 | 13.6 | 12.8 |
| Precipitation - Reference Evapotranspiration | 71.1 | -13.3 | 26.2 |
| Number of Rainy Days | 6.0 | 1.0 | 4.9 |
| Number of Dry Days | 0.0 | 10.0 | - |

Diagram of Accumulated Precipitation and Accumulated Reference Evapotranspiration





◆ **List of Symbols and Abbreviations**

Reference Evapotranspiration ETo (mm):

Calculated by the FAO Penman-Montieth equation

$$ET_0 = \frac{0.408 * \Delta * (R_n - G) + \gamma * \frac{900}{T + 273} * u_2 * (e_s - e_a)}{\Delta + \gamma * (1 + 0.34 * u_2)}$$

using 10-day step.

R_n is estimated from sunshine measurements and G assumed to be zero.

Growing Degrees: Degrees with mean temperature exceeding the base of 5 or 10 °C.

Number of Rainy Days: Number of days with precipitation of at least 0.1 mm.

Number of Dry Days: Number of dry days recorded since the last rainy day.

Measurements Units

- ◆ Temperature : °C
- ◆ Relative Humidity : %
- ◆ Soil Temperature : °C
- ◆ Sunshine Duration : Hours
- ◆ Precipitation : mm
- ◆ Evaporation (Pan) : mm
- ◆ Growing Degrees : °C

UTC (Universal Time coordinates) in Greece

- ◆ Winter : Time(UTC) = Local time - 2
- ◆ Summer : Time(UTC) = Local time - 3

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