

MINISTRY OF AGRICULTURE,  
RURAL DEVELOPMENT AND ENVIRONMENT  
DEPARTMENT OF METEOROLOGY  
CY-1418 NICOSIA

12 January 2017

**MONTHLY WEATHER REPORT**

**THE WEATHER IN DECEMBER 2016**

**General Weather Conditions:** In December the weather was wet and relatively cold. Unstable weather conditions prevailed during the periods 1-2, 5-8, 11-31 of the month, giving rain, local thundery showers, hail and snow over mountainous and semi-mountainous areas. The mean air temperature was about 1.5° C below normal and the area average precipitation was 159.3mm i.e. 151% of normal.

**Abnormal weather conditions:** On the 1<sup>st</sup> of the month, during the morning hours, heavy rainfall caused difficulties in Larnaka. On the 14<sup>th</sup> of the month thunderbolt in Peristerona destroyed part of the minaret of the village. On the 23<sup>rd</sup> of the month waterspouts were observed in the sea area of Akrotiri. On the 28<sup>th</sup> of the month strong winds caused damages all over Cyprus.

**Precipitation (normal period: 1961-1990):** According to preliminary estimates the area average precipitation in December was 159.3mm i.e. 151% of normal. Monthly precipitation was above normal almost in all areas, generally ranging between 87% and 216% of normal.

Hail was recorded on the 5<sup>th</sup>, 12<sup>th</sup>, 21<sup>st</sup>, and 28<sup>th</sup> of the month and snowfall was recorded during the period 1-2 and 7-8 of the month, on the 13<sup>th</sup> of the month, during the period 16-17 of the month, on the 19<sup>th</sup> of the month and during the period 21-31 of the month.

The cumulative area average precipitation during the period October-December 2016 was about 213.9mm, i.e. 112% of normal. Generally, the cumulative precipitation was above normal in most areas, except in some coastal areas, generally ranging between 70% and 151% of normal.

**Temperature (normal period: 1981-2010):** The mean air temperature for the month was about 1.5° C below normal. Mean daily temperatures were above normal during the periods 3-5, on the 7<sup>th</sup> of the month and during the period 11-13 of the month, while during the rest of the days the mean daily temperatures were below normal. Extremely low temperatures were recorded during the period 17-19 of the month, when maximum and minimum temperatures were up to -8° C below normal. Maximum temperatures exceeded 19° C at Athalassa and Larnaka Airport on 5 and 8 occasions, respectively. At Prodromos they exceeded 9 °C on 5 occasions. Most stations recorded their highest maximum temperature on the 5<sup>th</sup> of the month and during the period 11-13 of the month and their lowest minimum temperature on the 15<sup>th</sup> or on the 19<sup>th</sup> of the month.

Air frost was recorded on 21 occasions over the mountainous areas. Ground frost was recorded on 4 occasions over the inland areas, on 3 occasions over the coastal areas and on 25 occasions over the mountainous areas.

The 5-day averages of air temperature and their differences from normal at various places are shown in Table 1 and the extreme temperatures are shown in Table 2.

DECEMBER 2016

FIVE-DAY TEMPERATURES AND DEVIATIONS FROM NORMAL ( ° C )

PRELIMINARY DATA

Table 1

| MEAN DAILY MAXIMUM |           |           |                 |           |               |           |           |           |           |
|--------------------|-----------|-----------|-----------------|-----------|---------------|-----------|-----------|-----------|-----------|
| STATION            | ATHALASSA |           | LARNAKA AIRPORT |           | PAFOS AIRPORT |           | PRODROMOS |           | MEAN DEV. |
| DATES              | ACTUAL    | DEV.      | ACTUAL          | DEV.      | ACTUAL        | DEV.      | ACTUAL    | DEV.      |           |
| 1--5               | 17        | -2        | 19              | -1        | 19            | -1        | 7         | -2        | -2        |
| 6--10              | 17        | -1        | 19              | -1        | 19            | -1        | 8         | -2        | -1        |
| 11--15             | 17        | -1        | 18              | -1        | 19            | 0         | 6         | -2        | -1        |
| 16--20             | 12        | -5        | 13              | -5        | 14            | -4        | 2         | -5        | -5        |
| 21--25             | 13        | -3        | 15              | -3        | 17            | -1        | 2         | -5        | -3        |
| 26-31              | 15        | -2        | 17              | -1        | 16            | -2        | 2         | -5        | -3        |
| <b>MONTH</b>       | <b>15</b> | <b>-2</b> | <b>17</b>       | <b>-2</b> | <b>17</b>     | <b>-2</b> | <b>5</b>  | <b>-4</b> | <b>-2</b> |

| MEAN DAILY MINIMUM |           |           |                 |           |               |          |           |           |           |
|--------------------|-----------|-----------|-----------------|-----------|---------------|----------|-----------|-----------|-----------|
| STATION            | ATHALASSA |           | LARNAKA AIRPORT |           | PAFOS AIRPORT |          | PRODROMOS |           | MEAN DEV. |
| DATES              | ACTUAL    | DEV.      | ACTUAL          | DEV.      | ACTUAL        | DEV.     | ACTUAL    | DEV.      |           |
| 1--5               | 8         | 0         | 11              | 1         | 12            | 1        | 2         | -2        | 0         |
| 6--10              | 7         | -1        | 9               | -1        | 10            | -1       | 0         | -3        | -2        |
| 11--15             | 7         | 0         | 8               | -1        | 10            | 0        | 1         | -2        | -1        |
| 16--20             | 3         | -3        | 6               | -3        | 7             | -3       | -4        | -6        | -4        |
| 21--25             | 7         | 0         | 8               | 0         | 9             | 0        | -1        | -3        | -1        |
| 26-31              | 6         | 0         | 8               | 0         | 10            | 0        | -2        | -4        | -1        |
| <b>MONTH</b>       | <b>6</b>  | <b>-1</b> | <b>8</b>        | <b>-1</b> | <b>10</b>     | <b>0</b> | <b>-1</b> | <b>-3</b> | <b>-1</b> |

Normal Period for Temperature: 1981 - 2010

Table 2

| EXTREME TEMPERATURES |           |      |                 |      |               |      |           |         |  |
|----------------------|-----------|------|-----------------|------|---------------|------|-----------|---------|--|
| STATION              | ATHALASSA |      | LARNAKA AIRPORT |      | PAFOS AIRPORT |      | PRODROMOS |         |  |
| TEMPERAT.            | ( °C )    | DATE | ( °C )          | DATE | ( °C )        | DATE | ( °C )    | DATE    |  |
| HIGHEST MAXIMUM      | 19,8      | 11   | 21,5            | 13   | 21,0          | 5    | 10,9      | 11      |  |
| LOWEST MINIMUM       | 0,4       | 19   | 1,7             | 15   | 3,0           | 15   | -6,1      | 19 & 20 |  |