

DECEMBER 2011

General Weather Conditions: In December the weather was relatively wet and the mean air temperature was around normal. Unstable weather conditions prevailed during the periods 7-9, 16-18, 20-25 and 30-31 of the month, giving local rain, isolated thundery showers, hail and snow. The mean air temperature was 0.3 °C above normal and the area average precipitation was 117.2 mm i.e. 111% of normal.

Abnormal weather conditions: On the 31st of the month, large number of thunderbolts affected the area of Stavrovouni during the night.

Precipitation: The area average precipitation in December was 117.2 mm i.e. 111% of normal. Monthly precipitation was above normal in most areas and in general it ranged between 63% and 154% of normal. Hail was recorded during the 8th, 9th and 23rd of the month while snow fell during the periods 8-9, 22-25 and 30-31 of the month.

The cumulative area average precipitation during the period October-December 2011 was 212.2 mm, i.e. 111% of normal. The cumulative precipitation was above or around normal in most areas and in general it ranged between 78% and 220% of normal.

Temperature: The mean air temperature for the month was 0.3 °C above normal. Mean daily temperatures were above normal in most days of the month except from the periods 8-12 and 24-31 of the month where mean daily temperatures were below or around normal. Extremely high temperatures were recorded during the period 11-22 of the month, when maximum and minimum temperatures were 2 to 9 °C above normal. Extremely low temperatures were recorded during the 10th and during the period 25-30 of the month, when maximum and minimum temperatures were 2 to 5 °C below normal. Maximum temperatures exceeded 18 °C at Athalassa and Larnaka Airport on 15 and 19 occasions, respectively. At Prodromos they exceeded 8 °C on 19 occasions. Most stations recorded their highest maximum temperature on the 4th or during the period 18-19 of the month and their lowest minimum temperature on the 10th or during the period 26-29 of the month.

Ground frost was recorded on 4 occasions inland, on 11 occasions over the coastal areas and on 17 occasions over the mountainous areas. Air frost was recorded on 7 occasions over the mountainous areas.

JANUARY 2012

General Weather Conditions: In January the weather was wet and the temperatures were around normal. Unstable weather conditions prevailed during the periods 1-3, 5-18 and 20-31 of the month, giving rain, local thunderstorms, hail and snow. The mean air temperature was 0.5 °C below normal and the area average precipitation was well above normal, reaching 238.4 mm i.e. 233% of normal.

Abnormal weather conditions: On the 1st of the month, a large number of thunderbolts were recorded in Stavrovouni area early in the morning. On the 8th of the month, thunderbolts in Kellaki affected the electricity supply of the area. On the 12th of the month, 2 waterspouts were observed in the sea area of Liopetri heading towards Larnaka city. On the 29th of the month, a thunderbolt was recorded in Kellaki.

Precipitation: The area average precipitation in January was 238.4 mm i.e. 233% of normal. Monthly precipitation was above normal in all areas ranging between 137% and

344% of normal. Hail was recorded on the 7th, 12th, 15th and 26th of the month. Snow fell on the 1st and during the periods 5-8, 10-12, 15-16, 20-22, 26-27 and 29-31 of the month.

The cumulative area average precipitation during the period October 2011-January 2012 was 450.6 mm, i.e. 153% of normal. The cumulative precipitation was above normal in all areas ranging between 117% and 241% of normal.

Temperature: The mean air temperature for the month was 0.5°C below normal. Mean daily temperatures were below normal during the periods 11-13, 16-22 and 27-31 of the month, while during the rest of the month they were around or above normal. Extremely low temperatures were recorded during the periods 18-22 and 27-31 of the month, when maximum and minimum temperatures were about 2 to 6 °C below normal. Maximum temperatures exceeded 16 °C at Athalassa and Larnaka Airport on 10 and 19 occasions, respectively. At Prodromos they exceeded 6 °C on 5 occasions. Most stations recorded their highest maximum temperature during the period 4-7 or on the 26th of the month and their lowest minimum temperature during the period 18-20 of the month.

Air frost was recorded in the mountainous areas on 20 occasions and in the inland areas on 2 occasions. Ground frost was recorded on 23 occasions in the mountainous areas, on 8 occasions in the inland areas and on 11 occasions in coastal areas.

FEBRUARY 2012

General Weather Conditions: In February the weather was wet and the temperature was below normal. Unstable weather conditions prevailed during the 1st, during the period 6-10, on the 12th and during the periods 14-19 and 26-29 of the month, giving rain, isolated thundery showers, hail and snow. The mean air temperature was 1.2 °C below normal and the area average precipitation was 99.4 mm i.e. 122% of normal.

Abnormal Weather conditions: On the 28th of the month, except from the mountainous areas, snow was recorded in semi-mountainous areas also. On the same day, severe hailstorm was recorded in Akrounda. On the 29th of the month, snow fell in the mountainous areas, in the semi-mountainous areas and in some inland areas, specifically in areas of Nicosia around noon to afternoon.

Precipitation: The area average precipitation in February was 99.4 mm i.e. 122% of normal. Monthly precipitation was above normal in all areas, except from the southeastern and some isolated inland areas, generally ranging from 37% to 193% of normal. Hail was recorded in various areas on the 16th and during the period 28-29 of the month. Snow fell during the period 16-17, on the 19th and during the period 28-29 of the month.

The cumulative area average precipitation during the period October 2011-February 2012 was 550.0 mm, i.e. 146% of normal. Generally, the cumulative precipitation was above normal in all areas, ranging from 113% to 204%.

Temperature: The mean air temperature of the month was 1.2 °C below normal. Mean daily temperatures were below normal on the 1st, during the periods 8-11 and 16-22 and on the 29th of the month, while during the rest of the month they were above normal. Extremely low temperatures were recorded during the periods 1-2, 17-22 and on the 29th of the month, when maximum and minimum temperatures were about 2 to 10 °C below normal. Maximum temperatures exceeded 16 °C at Athalassa and Larnaka Airport on 12 and 19 occasions, respectively. At Prodromos they exceeded 7 °C on 10 occasions. Most stations recorded their highest maximum temperature during the period 25-27 of the month and their lowest minimum temperature on the 2nd of the month.

Air frost was recorded on 15 occasions in the mountainous areas, on 5 occasions in the semi-mountainous areas and on 3 occasions in the inland areas. Ground frost was recorded during the whole month in the mountainous areas, on 10 occasions in the coastal areas and on 11 occasions in the inland plain areas.

MARCH 2012

General Weather Conditions: In March the weather was relatively dry. Unstable weather conditions prevailed during the periods 1-3, 5-8, 12-16, 25-29 and on the 31st of the month, giving rain, isolated thundery showers, hail and snow. The mean air temperature was 0.5 °C below normal and the area average precipitation was 39.2 mm i.e. 63% of normal.

Abnormal Weather Conditions: No abnormal weather condition was recorded or reported.

Precipitation: The area average precipitation in March was 39.2 mm i.e.63% of normal. Monthly precipitation was below normal in almost all areas, ranging from 18% to 119% of normal. Hail was recorded on the 14th, 16th, 27th and 29th of the month and snow fell on the 1st, 6th, during the period 13-16 and on the 27th of the month.

The cumulative area average precipitation during the period October 2011 – March 2012 was about 589.2 mm, i.e. 135% of normal. The cumulative precipitation was above normal in all areas, ranging from 101% to 186% of normal.

Temperature: The mean air temperature for the month was 0.5 °C below normal. Mean daily temperatures were above normal during the periods 7-13 and 19-26 of the month, while during the rest of the month they were below normal. Extremely high temperatures were recorded during the periods 9-12 and 20-25 of the month, when maximum and minimum temperatures were 2 °C to 9 °C above normal. Extremely low temperatures were recorded during the periods 1-6 and 16-18 of the month, when maximum and minimum temperatures were 2 °C to 10 °C below normal. Maximum temperatures exceeded 19 °C at Athalassa and Larnaka Airport on 15 occasions. At Prodromos they exceeded 10 °C on 13 occasions. Most stations recorded their highest maximum temperature during the period 11-12 or on the 25th of the month and their lowest minimum temperature during the period 1-5 or on the 17th of the month.

Air frost was recorded on 10 occasions over the mountainous areas while ground frost was recorded on 8 occasions over the inland areas, on 10 occasions over the coastal areas and on 18 occasions over the mountainous areas.

General Conclusion: The winter **total precipitation** (December 2011 – March 2012) was **494.2 mm (141% of normal)** since normal total area average precipitation is 351.5 mm. The **mean temperature** for the winter months (December 2011 – March 2012) was 10.3 °C.