

15 January 2020

MONTHLY WEATHER REPORT

THE WEATHER IN DECEMBER 2019

General Weather Conditions: In December the weather was extremely wet and relatively warm. Unstable weather conditions prevailed on the 1st, on the 4th, on the 6th and during the periods 8-15 and 23-31 of the month, giving rain, local thunderstorms, near gale winds, hail and snowfall over mountainous areas. The mean air temperature was about 1.0°C above normal and the area average precipitation was 204.4mm i.e. 194% of normal.

Severe Weather conditions: On the 1st and during the period 16-23 of December extremely high temperatures were recorded over the inland and mountainous areas. On the 11th and 12th of the month, severe rainfall with strong winds caused difficulties in the areas of Limassol, Larnaka and Famagusta. On the 14th of the month, severe rainfall with hail and strong winds affected the areas of Nicosia, Limassol and Famagusta causing damages to properties. On the 24th, 25th and 26th of the month, severe rainfall with near gale winds caused difficulties almost in all areas of Cyprus. On the 24th of the month, a tornado in the area of Xylofagou caused serious damages to homes. On the 25th of the month, a tornado in the area of Ypsona caused damages to plantations. On the 29th and 30th of the month, severe rainfall with hail and near gale winds affected almost all areas of Cyprus causing damages to properties. On the 29th of the month, waterspout was observed in the sea area of Argaka village.

Precipitation (normal period: 1961-1990): According to preliminary estimates the area average precipitation in December was 204.4mm i.e. 194% of normal. Monthly precipitation was above normal in all areas, generally ranging between 137% (Lythrodontas) and 279% (Larnaka Marina) of normal.

Hail was recorded during the periods 13-14 (Kellaki, Stavrovouni, Agios Theodoros Agrou) and 29-30 (Kellaki, Kyperounta, Palaichori, Larnaka) of the month. Snowfall was recorded on the 9th (Troodos) and during the period 24-31 (Troodos, Kyperounta (26 of December), Pedoulas (29 of December)) of the month.

The cumulative area average precipitation during the period October-December 2019 was about 284.4mm, i.e. 148% of normal. Generally, the cumulative precipitation was above normal in all areas ranging between 164% (Agios Ioannis Malountas) and 237% (Polemídia) of normal.

Temperature (normal period: 1981-2010): The mean air temperature for the month was about 1.0°C above normal. Mean daily temperatures were below normal on the 9th and during the period 11-12 of the month, while during the rest of the days the mean daily temperatures were above or around normal. Extremely high temperatures were recorded on the 1st and during the period 16-23 of the month, when maximum temperatures over the inland and mountainous areas were 5-11°C above normal. Maximum temperatures exceeded 19°C at Athalassa and Larnaka Airport on 17 and 19 occasions, respectively. At Prodromos they exceeded 9°C on 15 occasions. Most stations recorded their highest maximum temperature on the 1st and during the period 19-20 and their lowest minimum temperature during the period 27-28 of the month.

Air frost was recorded on 3 occasions over the mountainous areas, while ground frost was recorded on 11 occasions over the same areas.

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

DECEMBER 2019

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

Preliminary Data

MEAN DAILY MAXIMUM									
STATION	ATHALASSA		LARNAKA AIRPORT		PAFOS AIRPORT		PRODROMOS		MEAN DEV.
DATES	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	
1--5	22	3	22	2	22	1	12	2	2
6--10	20	1	20	0	20	0	11	1	0
11--15	18	0	18	0	20	1	8	-1	0
16--20	23	6	21	3	21	3	16	8	5
21--25	21	5	20	2	20	2	10	3	3
26--31	18	1	18	0	18	0	5	-2	0
MONTH	20	3	20	1	20	1	10	2	2

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	9	-1	12	2	3	-1	0
6--10	6	-2	7	-3	10	-1	1	-2	-2
11--15	9	2	11	1	14	4	3	1	2
16--20	7	0	7	-2	10	0	5	3	1
21--25	8	1	9	0	11	2	3	2	1
26--31	7	0	7	-1	10	1	0	-2	-1
MONTH	7	0	8	-1	11	1	3	0	0

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	25.8	1	24.3	1	23.1	1	18.7	19	
LOWEST MINIMUM	4.7	28	4.9	28	8.8	21	-1.0	26, 27	