10 January 2019

MONTHLY WEATHER REPORT

THE WEATHER IN DECEMBER 2018

General Weather Conditions: In December the weather was extremely wet and relatively warm. Unstable weather conditions prevailed during the periods 1-20 and 23-31 of the month, giving rain, local thunderstorms, hail and snow over mountainous areas. The mean air temperature was about 1.0^{o}C above normal and the area average precipitation was 178.3mm i.e. 169% of normal.

Severe Weather conditions: On the 4th, 5th and 6th of the month, severe rainfall with hail of large size and strong winds caused difficulties almost in all areas. On the 4th of the month, a tornado in the areas of Zygi and Parekklisia caused serious damages to homes. On the 19th of the month, a tornado in the area of Pyrga caused damages. On the 19th of the month, severe hailfall in the area of Dierona-Arakapas caused damages to plantations.

Precipitation (normal period: 1961-1990): According to preliminary estimates the area average precipitation in December was 178.3mm i.e. 169% of normal. Monthly precipitation was above normal in all areas, generally ranging between 125% (Galata) and 300% (Paphos Airport) of normal.

Hail was recorded during the period 3-4 (Agros, Kellaki, Strovolos, Tseri, Palaichori, Troodos), on the 17th (Troodos), on the 19th (Kellaki) and on the 31st (Kellaki) of the month. Snowfall was recorded on the 19th (Troodos) and during the periods 26-27 (Troodos, Prodromos, Amiantos) and 29-31 (Troodos) of the month.

The cumulative area average precipitation during the period October-December 2018 was about 284.2mm, i.e. 148% of normal. Generally, the cumulative precipitation was above normal in all areas ranging between 109% (Dipotamos) and 269% (Acheleia) of normal.

Temperature (normal period: 1981-2010): The mean air temperature for the month was about 1.0^{o}C above normal. Mean daily temperatures were below normal on the 7th , on the 13th , on the 19th and during the period 27-30 of the month, while during the rest of the days the mean daily temperatures were above or around normal. Extremely high temperatures were recorded during the periods 17-18 and 24-25 of the month, when maximum temperatures over the inland areas were 4-5°C above normal. Maximum temperatures exceeded 19°C at Athalassa and Larnaka Airport on 17 and 22 occasions, respectively. At Prodromos they exceeded 9°C on 14 occasions. Most stations recorded their highest maximum temperature during the period 1-3 and on the 10th of the month and their lowest minimum temperature during the period 28-31 of the month.

Air frost was recorded on 6 occasions over the mountainous areas. Ground frost was recorded on 3 occasions over the inland areas and on 15 occasions over the mountainous 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 2018

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	20	2	21	1	22	1	11	1	1
6--10	20	1	21	1	20	0	7	-2	0
11--15	19	1	20	1	20	1	9	1	1
16--20	19	2	20	2	20	1	9	2	2
21--25	20	4	20	2	20	2	11	4	3
26--31	16	-1	17	-1	17	-1	5	-2	-1
MONTH	19	2	20	1	20	1	9	0	1

MEAN DAILY MINIMUM									
STATION	ATHALASSA		LARNAKA AIRPORT		PAFOS AIRPORT		PRODROMOS		MEAN DEV.
DATES	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	
1--5	11	3	14	4	13	3	4	0	2
6--10	9	1	11	1	12	1	2	-1	0
11--15	9	2	12	3	13	3	2	-1	2
16--20	10	3	12	3	12	3	3	1	2
21--25	8	1	10	2	10	1	2	0	1
26--31	6	-1	8	0	9	0	-1	-3	-1
MONTH	9	1	11	2	12	1	2	-1	1

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	22.1	1	22.1	10	24.8	3	12.7	2
LOWEST MINIMUM	2.2	31	4.5	28	6.0	28	-2.9	28