

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

20 January 2022

MONTHLY WEATHER REPORT

THE WEATHER IN DECEMBER 2021

General Weather Conditions: In December, the weather was relatively warm and extremely wet. Unstable weather conditions prevailed on the 1st, during the periods 4-8, 13-23 and 25-31 of the month, giving rain, local thunderstorms, gale winds and hail. The mean air temperature was about 1.0°C above normal and the area average precipitation was 198.0mm i.e. 188% of the normal for the month.

Severe Weather conditions: On the 5th and 7th of the month heavy rain throughout the island caused problems in Limassol, Larnaca and Paphos areas. On the 7th of the month waterspout was observed in the sea area of Kourio, Limassol seafront and Cavo Greko. On the 14th and 18th of the month, heavy rain with hail and gale winds caused problems and damages almost to all areas. On the 30th- 31st prolong precipitation with local hail throughout the island caused rivers overflowing and roads and premises floods. People's lives were in risk due the flooded roads and overflowing rivers (cars were swept away).

Precipitation (normal period: 1961-1990): According to preliminary estimates the area average precipitation in December was 198.0mm i.e. 188% of normal. Monthly precipitation was well above normal almost in all areas, generally ranging between 123.1% (Xylyotymvou) and 284% (Lythrodontas) of normal.

Hail was recorded during the period 5th(Alethriko) 13th(Kiti), 14th(Tseri) and 30th of the month (Pentakomo,Chirokitia, Lefkara, Troodos). Snowfall was recorded on the 8th, 15th, during the period 17-21 and on the 29th of the month (Troodos).

The cumulative area average precipitation during the period October 2020-December 2021 was about 234.7mm, i.e. 122% of normal. Generally, the cumulative precipitation was below normal in most areas ranging between 88% (Xylyotymvou) and 191% (Kato Drys) of normal.

Temperature (normal for the reference 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 8th and during the periods 20-25 and 30-31 of the month, whereas the rest days of the the month, mean daily temperatures were above or around normal. Maximum temperatures exceeded 19°C at Athalassa and Larnaka Airport in 16 and 22 occasions, respectively. At Prodromos they exceeded 8°C in 15 occasions. Most stations recorded their highest maximum temperature during the period 6-7 and 11-12 of the month and their lowest minimum temperature during the period 24-25 of the month.

Air frost was recorded in 6 occasions over the mountainous areas, whereas ground frost was recorded in 3 occasions inland, 1 over the coastal areas and 10 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 2021

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	1	20	0	21	0	11	1	1
6--10	21	2	21	2	21	1	11	1	1
11--15	20	2	21	2	22	3	13	5	3
16--20	18	1	18	0	18	0	5	-3	0
21--25	16	0	17	-1	17	-1	7	0	-1
26--31	16	0	19	1	19	0	8	0	0
MONTH	18	1	19	1	20	1	9	1	1

MEAN DAILY MINIMUM									
STATION	ATHALASSA		LARNAKA AIRPORT		PAFOS AIRPORT		PRODROMOS		MEAN DEV.
DATES	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	
1--5	9	0	13	3	13	2	2	-2	1
6--10	8	0	12	2	13	2	3	0	1
11--15	9	2	14	5	13	3	6	3	3
16--20	6	0	9	0	12	2	0	-2	0
21--25	4	-3	7	-2	9	-1	-2	-3	-2
26--31	7	1	11	2	11	2	1	0	1
MONTH	7	0	11	2	12	2	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	22.9	6	23.4	7	23.6	12	17.2	11
LOWEST MINIMUM	1.2	25	4.6	25	5.6	24	-2.5	24