

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

12 August 2024

MONTHLY WEATHER REPORT

THE WEATHER IN JULY 2024

General Weather Conditions: The weather in July was extremely hot. Unstable weather conditions were reported during the periods 9-11, 15-17 and 25 of the month. The mean temperature in July was around 2.6°C above normal and the area average precipitation was 4.1mm i.e 158% of normal.

Severe Weather conditions: On the 10th and 11th of the month, severe weather phenomena were observed in various areas in the mountains, with rain, thundersstorms and strong winds, The torrential rains and strong winds caused landslides and trees to fall and therefore problems to the road network. A tornado on the 10th of the month hit areas of Kaimakli and Palouriotissa, in Nicosia, causing damages mainly by uprooting trees in nine cases. On the 11th of the month, a strong tornado in the area of Kokkinotrimithia and Mammari, caused not only excitement by the sight of it, but also damage to 12 houses - it lifted water tanks, metal objects to a great height, moved tiles - uprooted trees and a stake of the EAC and a soldier was slightly injured. On the 12th of the month, a dust devil occurred in Aradippou, Larnaca, with no damage. On the 15th of the month, rain and thunderstorms with hail affected many areas in the mountains. On the 25th of the month torrential rains occurred in various areas of the island, in the mountains and inland (Pera Chorio Nisou, Ag. Varvara, Alhambra). On the 29th of the month, a tornado-dust devil- occurred in Ormidia. This July several cases of heatstroke were reported, needed hospitalizations, with one in a very serious condition, while there was also a death. The number of fires was high throughout Cyprus. **July 2024 is considered the warmest July that has ever been recorded at the Department's representative reference stations since the day each station started to operate, with the exception of Prodomos. This month, in contrast to last June, the daily minimum temperatures contributed to the warmest temperatures instead of the daily maximums.**

Precipitation (normal period: 1961-1990): According to preliminary estimates the area average precipitation in July was 4.1mm i.e 158% of normal. Monthly precipitation ranged between 0% at most stations and 1665% (Kapoura).

The cumulative area average precipitation during the period October 2023-July 2024 was about 350.4mm, i.e 71% of normal. The cumulative precipitation ranged between 56% (Paphos Airport) and 115% (Athalassa).

Hail occurred in Agios Theodoros Agros on the 9th of the month.

Temperature (normal period: 1981-2010): The mean air temperature for the month was about 2.6°C above normal. Average daily temperatures were above or near normal throughout the month, except for 2 days in Prodomos that were slightly below normal on the 26-27th of the month. High temperatures were recorded on 1st, 7th and during the period 19-23rd of the month, where daily maximum temperatures reached about 4.5°C to 5.5°C above normal, while daily minimum temperatures reached up to 4.2°C to 6.7°C above normal, with the exception of Prodomos. Heatwave conditions (with a maximum daily temperature over 40°C for Nicosia and over 31°C for Prodomos) prevailed from the 16th to the 24th and 29-31st of the month. The maximum temperatures in Athalassa exceeded 37°C in 29 cases, in Larnaca they exceeded 32°C in 31 cases (the whole month), in Paphos they exceeded 30°C in 31 cases, while in Prodomos they exceeded 28°C in 28 cases. Most stations recorded their highest maximum temperature on the 21st, 23rd and 28th, 29th of the month and their lowest minimum temperature during the period 3rd-6th of the month.

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.

JULY 2024

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	38	1	34	2	31	2	29	2	2
6--10	39	3	35	3	32	2	30	2	3
11--15	39	2	35	3	32	3	29	1	2
16--20	41	4	36	3	33	3	31	3	3
21--25	41	3	37	4	33	3	32	4	3
26--31	39	2	36	3	33	3	30	1	2
MONTH	39.5	2.4	35.5	3.1	32.4	2.5	30.1	2.1	2.5

MEAN DAILY MINIMUM									
STATION	ATHALASSA		LARNAKA AIRPORT		PAFOS AIRPORT		PRODROMOS		MEAN DEV.
DATES	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	ACTUAL	DEV.	
1--5	25	4	24	2	23	3	17	0	2
6--10	25	4	24	3	24	4	18	1	3
11--15	25	3	25	4	25	4	19	1	3
16--20	25	3	26	4	25	4	20	2	3
21--25	26	3	26	3	25	4	22	3	3
26--31	25	3	25	3	25	4	19	0	2
MONTH	25.2	3.1	25.0	3.0	24.4	3.8	19.2	1.0	2.7

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	43.0	21	38.6	21&29	34.0	28	34.2	23
LOWEST MINIMUM	22.5	6	22.2	4	22.4	3	14.7	5