

National Climate Bulletin and the assessment of the SEECOF-33

Climate outlook for **CYPRUS** for the summer season **JJA 2025**

Summary

Cyprus Department of Meteorology (DoM) prepares regular seasonal climate outlooks, based on the products of SEECOF seasonal forecasts. The present outlook concerns the outlook for the three summer months of **June, July and August 2025** which is based on the deviations from the means of the climatological period 1981-2010.

Generally, from the climatological point of view, the area of East Mediterranean, but especially the area of Cyprus, during summer is characterized by the high mean maximum and minimum normal (1981-2010) temperatures. Normal accumulated precipitation is reaching a minimum as a result of the general synoptic situation.

The assessment is performed bearing in mind the consensus statement of **SEECOF33** which was stating that:

1. Temperature (the mean) was likely to range below normal with a probability of 10%, around normal with a probability of 20% and above normal with a probability of 70% (Figure 1) and,
2. Accumulated precipitation probabilities were 33% below normal, 34% around normal and 33% above normal (Figure 2).

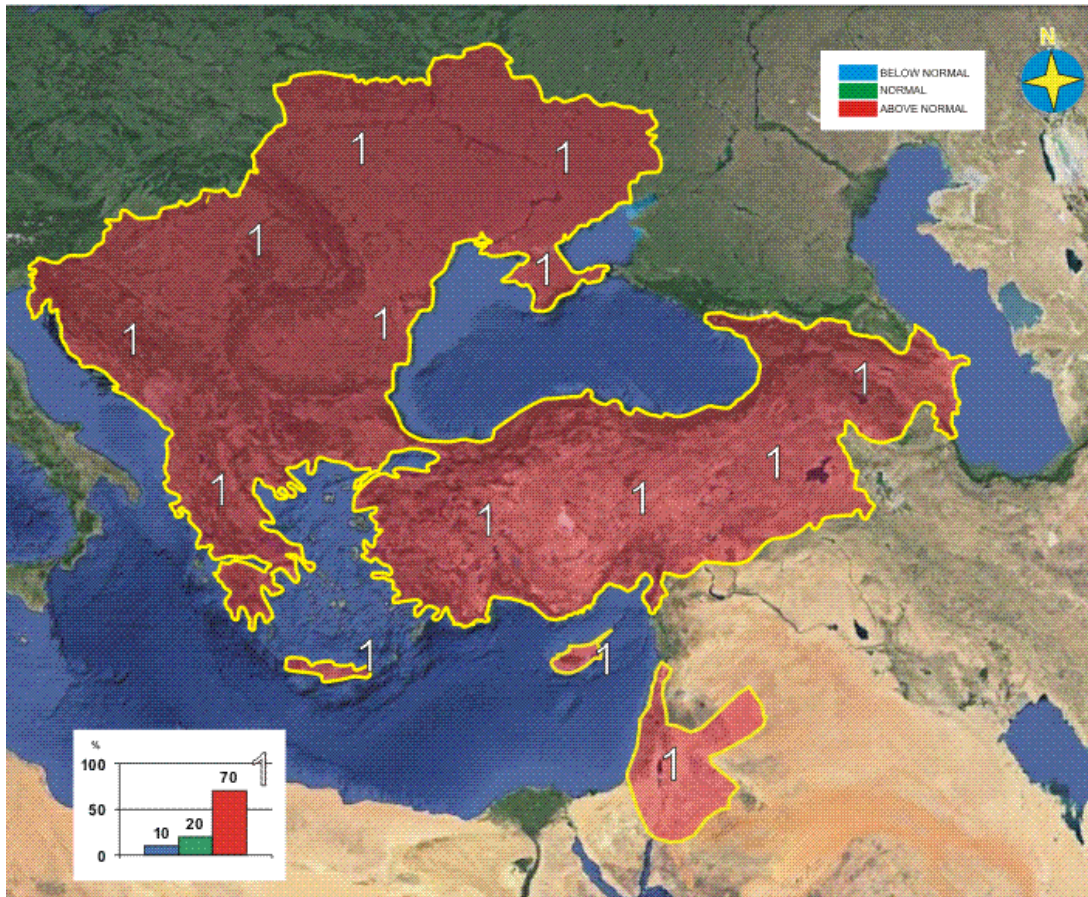


Figure 1. Graphical presentation of the **2025 summer** temperature outlook

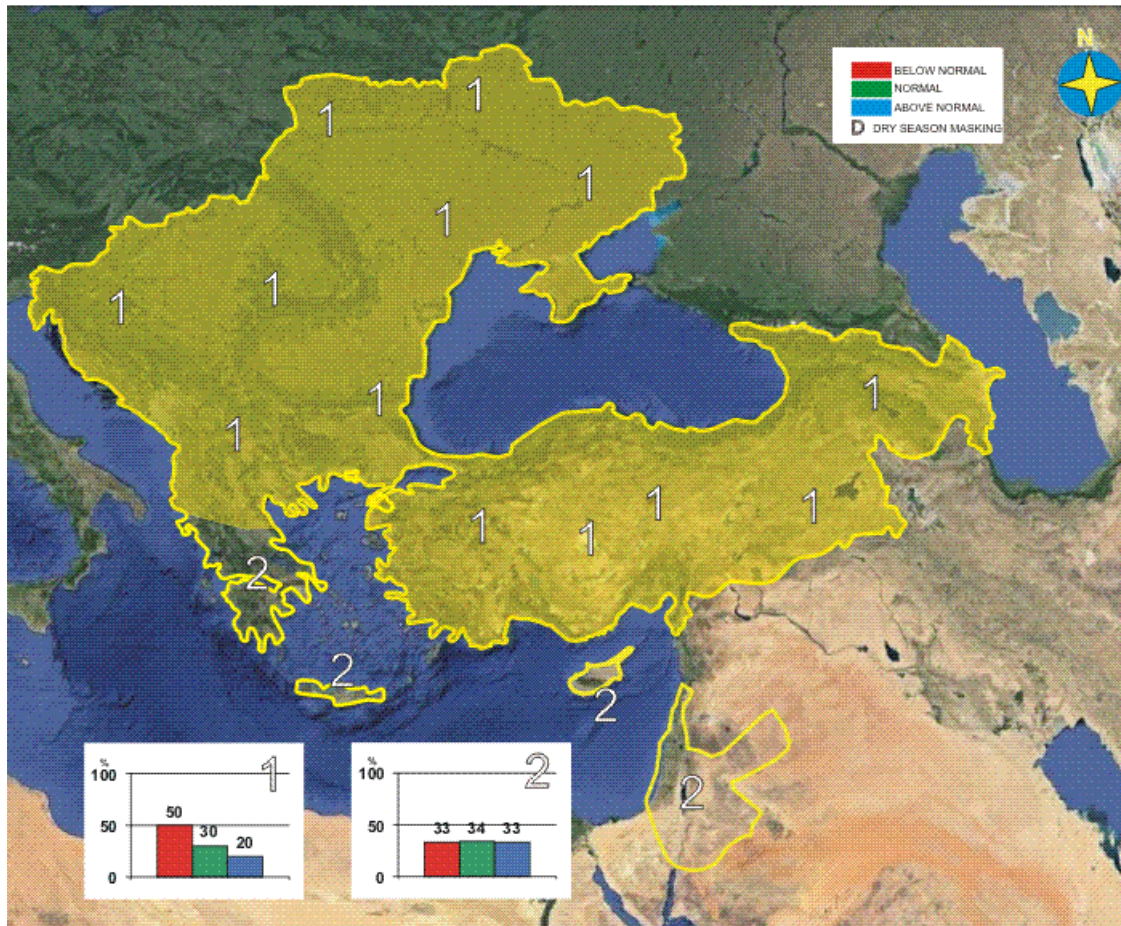


Figure 2. Graphical presentation of the **2025 summer** precipitation outlook

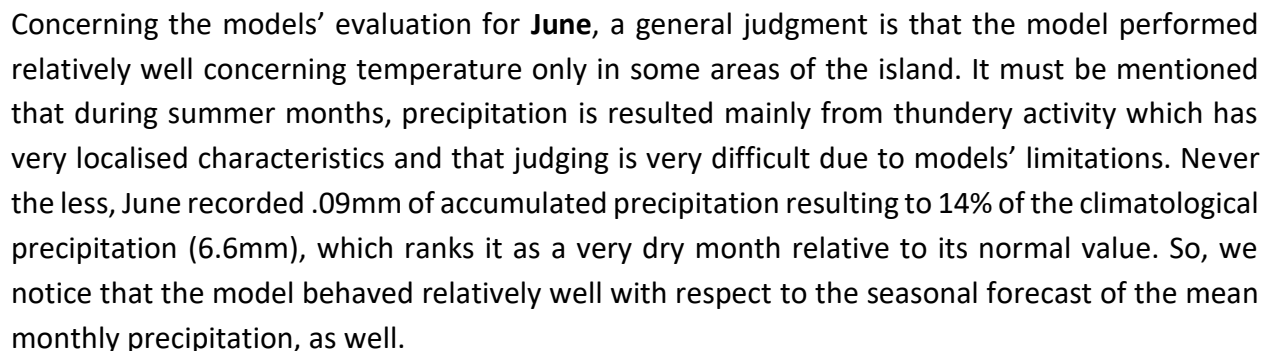
Find also, below, a table presenting the general anomalies of SEECOF products and extreme events of the recorded summer weather.

Country	Seasonal temperature (JJA)		Seasonal precipitation (JJA)		High Impact Events
	Observed	SEECOF-33 climate outlook for temperature	Observed	SEECOF-33 climate outlook for precipitation	
CYPRUS	June Above Normal	June Above Normal	June Below Normal	June Below Normal	June In relation to the recorded average daily maximum temperature, this was above normal. Extreme maximum temperatures were recorded with positive deviations well beyond 4°C, such as at the Polis Chrysochous and Prodromos stations with extreme maximum daily temperatures of 39°C and 32.5°C, respectively, which were 8.7°C and 7.5°C above the normal maximum temperature of each station, respectively. Extreme minimum temperatures with positive deviations were also recorded, such as at the Athalassa station where the minimum temperature (26.4°C) was 7.2°C above normal and in Larnaca where the minimum temperature (25.5°C) was 6.1°C above normal. July SW part below normal, NE part above Normal The accumulated precipitation was a result of local rain showers and thunderstorms during the days 1-3, 15-16, 22 and 29 of June. Hail was reported for the 4th and 15th of June. For the days 25-29 of June EMMA yellow warnings were issued, concerning extreme high temperature. August South and East part below normal and North and West part above normal July the mean maximum and minimum temperatures (table below), were above normal in all of the selected stations. Daily maximum temperatures above normal (deviating by 4°C or more from normal) were recorded, such as at the mountain station at the Forestry College in Prodromos and at Athalassa, where the extreme maximums (35.5°C) and (44.7°C), respectively, were 7.6°C above normal for both areas. Extreme high minimums (more than at least 4°C above normal for each station) were also recorded, such as in Polis Chrysochous and Athalassa, where the minimum
	July Above Normal	July Normal	July Below normal		
	August Above Normal	August Normal	August Below normal		

				(27.6°C) and (28.7°C) respectively, were 6.5°C and 6.6°C above normal for the two stations respectively. During July, extremely high temperature EMMA warnings, have been issued at both the yellow and the orange risk level, for both the maximum and the minimum temperatures. Specifically, a total of 13 EMMA warnings for extremely high temperatures were issued; 8 of which were at the yellow risk level during the periods 7-11, 21-22 and 28 of July, while 5 of them were at the orange risk level during the period 23-27 of July. From the distribution of the accumulated precipitation of July, as shown in the provisional chart that follows, the surface distribution reached 0.2mm or 8% of normal, something that shows the uncertainty of the seasonal forecast model which must always be taken into account with a reserve. During the periods 2, 16, 17 and 21 of July local showers and isolated thunderstorms were reported. August Extreme maximum temperatures were recorded with positive deviations of more than 4°C, such as at the station at Achna, where the extreme maximum (45.2°C) was 11.7°C above normal (33.5°C) and at the station at Prodromos, where the extreme maximum (38°C) was 10°C above normal (28°C). Extreme minimum temperatures with positive deviations of more than 4°C were also recorded, such as at the station at Larnaca Airport, where the extreme minimum (30.4°C) was 8.1°C above normal, and at the station at Prodromos, where the extreme minimum (26.1°C) was 8°C above normal. For the periods 9-15 and 21-23 of August EMMA yellow warnings were issued, concerning high temperatures. EMMA warnings at the orange level were issued on August 9-12, regarding high temperatures. In addition, EMMA warnings at the red level were issued on August 13 and 14, regarding extremely high temperatures. From the distribution of the accumulated precipitation of August, as is shown in the provisional chart that follows, the surface distribution reached only 0.1mm
--	--	--	--	---

					or 6% of normal, something that shows us the uncertainty of the seasonal forecast model which must always be taken into account with a reserve. During the period of 25 - 27 of August local showers accompanied sometimes with thunderstorms were recorded, while no hail was reported during August.
--	--	--	--	--	--

The seasonal forecast suggested that **June** would be warmer than normal by 1 to 2 °C in most of the island, except for the eastern and southeastern parts where it was expected to be normal. Asia Minor was expected to be warmer than normal, while the Balkans and Greece would be well above normal (3-5°C). Regarding the accumulated precipitation Cyprus was expected to be dry without the occurrence of dynamic barometric weather systems.



TEMPERATURE AND PRECIPITATION PROVISIONAL DATA FOR JUNE 2025

St. No.	Station Name	Mean Daily Maximum Temperature (°C)	Normal Value (1981-2010)	Difference from Normal Value	Highest Daily Maximum Temperature (°C)	Lowest Daily Maximum Temperature (°C)	Mean Daily Minimum Temperature (°C)	Normal Value (1981-2010)	Difference from Normal Value	Lowest Daily Minimum Temperature (°C)	Highest Daily Minimum Temperature (°C)	Monthly Total Precipitation (mm)	Normal Value (1981-2010)	Difference from Normal Value
41	POLIS CHRYSOCHOUS	31.6	30.3	1.3	39.0	25.7	20.2	18.5	1.7	15.2	24.4	0.0	1.8	-1.8
82*	PAFOS (AIRPORT)	29.4	27.7	1.7	33.3	24.5	19.7	18.1	1.6	14.9	23.9	0.0	1.3	-1.3
225	PRODROMOS (C.F.C.)	27.7	25.0	2.7	32.5	17.2	16.9	15.0	1.9	8.7	21.0	13.1	27.2	-14.1
666*	ATHALASSA (RADIOSONDE)	36.8	34.1	2.7	41.1	26.9	20.7	19.2	1.5	15.7	26.4	0.0	11.6	-11.6
731	LARNAKA (AIRPORT)	32.0	30.2	1.8	36.8	27.3	21.0	19.4	1.6	15.8	25.5	1.4	2.0	-0.6
800**	ACHNA (DASAKI)	32.2	30.9	1.3	38.2	26.4	20.3	18.9	1.4	14.5	24.0	0.1	1.8	-1.7

* Pafos' and Athalassa's Station Normal Values cover the period 1983-2010

** Achna's Temperature Normal Values cover the period 1981-2007

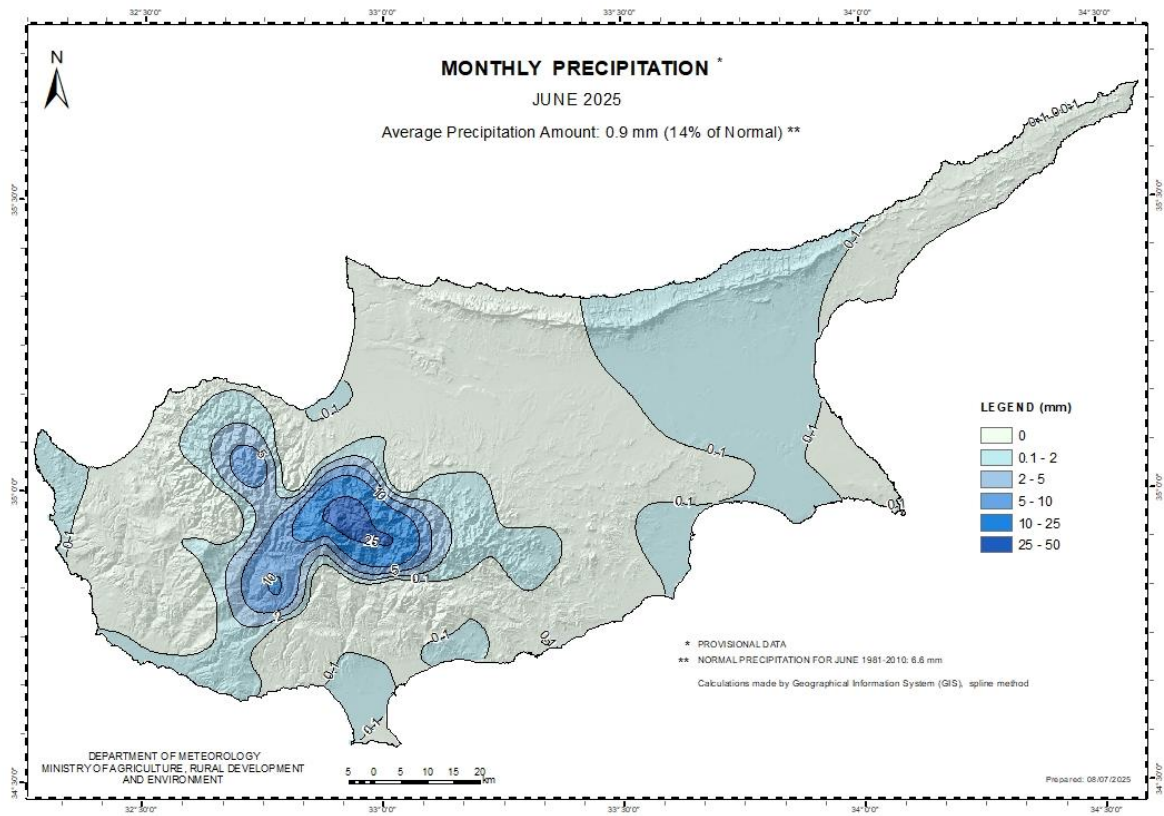
dew

In relation to the recorded average daily maximum temperature, this was above normal. Extreme maximum temperatures were recorded with positive deviations well beyond 4°C, such as at the Polis Chrysochous and Prodromos stations with extreme maximum daily temperatures of 39°C and 32.5°C, respectively, which were 8.7°C and 7.5°C above the normal maximum temperature of each station, respectively. Extreme minimum temperatures with positive deviations were also recorded, such as at the Athalassa station where the minimum temperature (26.4°C) was 7.2°C above normal and in Larnaca where the minimum temperature (25.5°C) was 6.1°C above normal.

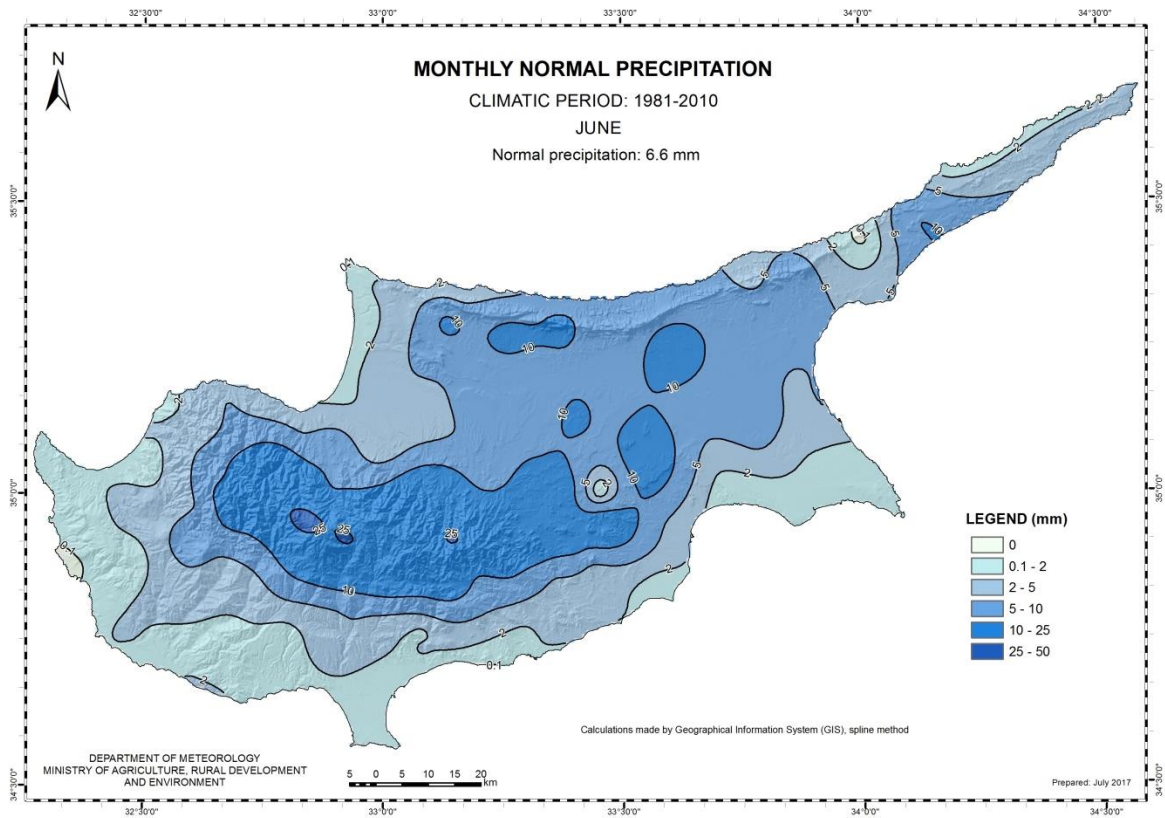
The accumulated precipitation was a result of local rain showers and thunderstorms during the days 1-3, 15-16, 22 and 29 of **June**. Hail was reported for the 4th and 15th of June.

For the days 25-29 of **June** EMMA yellow warnings were issued, concerning extreme high temperature.

For the purpose of better visualization of **June** accumulated precipitation, a chart of Cyprus with the total preliminary accumulated precipitation is presented.

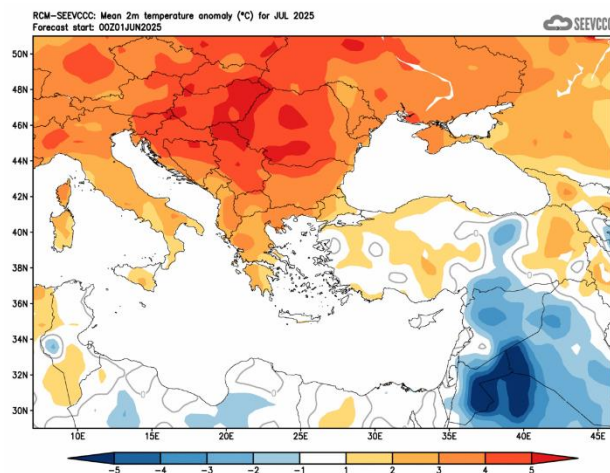


A Cyprus chart with the normal (period 1981 to 2010) accumulated precipitation for the month of **June** is also presented.

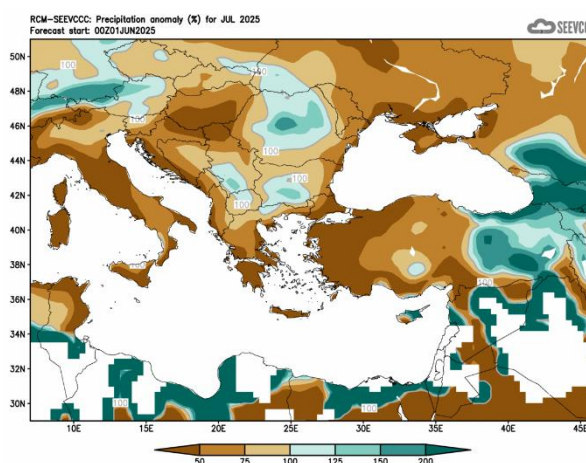


Evaluation of July's seasonal forecast for the area of Cyprus

The seasonal forecast suggested that **July's** temperature would be normal. Asia Minor was expected to be up to 2°C warmer than normal, Greece and the Balkans were expected to be even up to 5°C warmer than normal, while the Near and Middle East was expected to be colder than normal. Regarding the accumulated precipitation, Cyprus' southwestern half was expected to be below 50% of normal but over the northeastern half the accumulated precipitation was expected to range even up to 200% of normal.



Divergence of the mean monthly temperature (°C)
from normal during July



Percentage of the mean monthly precipitation (%)
compared with the normal of July

Concerning the model's evaluation for **July**, a general judgment is that the model did not perform well at all concerning the seasonal temperature, since for the majority of the island July has been recorded as warmer than normal for both the maximum and the minimum temperatures. Regarding the seasonal forecast of the accumulated precipitation, the model did not perform well either. This is because although the accumulated precipitation for July was expected to range below 50% over the southwest part of the island and up to 200% over the northeast part of the island, nevertheless the final result gave an average amount of rain of 8% of normal. It is important to mention that during summer months, precipitation is resulted mainly from thundery activity which has very localised characteristics and that judging accumulated precipitation is very difficult due to models' limitations.

In a more detailed evaluation of the recorded temperatures, the mean maximum and minimum temperatures (table below), were above normal in all of the selected stations. Daily maximum temperatures above normal (deviating by 4°C or more from normal) were recorded, such as at the mountain station at the Forestry College in Prodomos and at Athalassa, where the extreme maximums (35.5°C) and (44.7°C), respectively, were 7.6°C above normal for both areas. Extreme high minimums (more than at least 4°C above normal for each station) were also recorded, such as in Polis Chrysochous

and Athalassa, where the minimum (27.6°C) and (28.7°C) respectively, were 6.5°C and 6.6°C above normal for the two stations respectively.

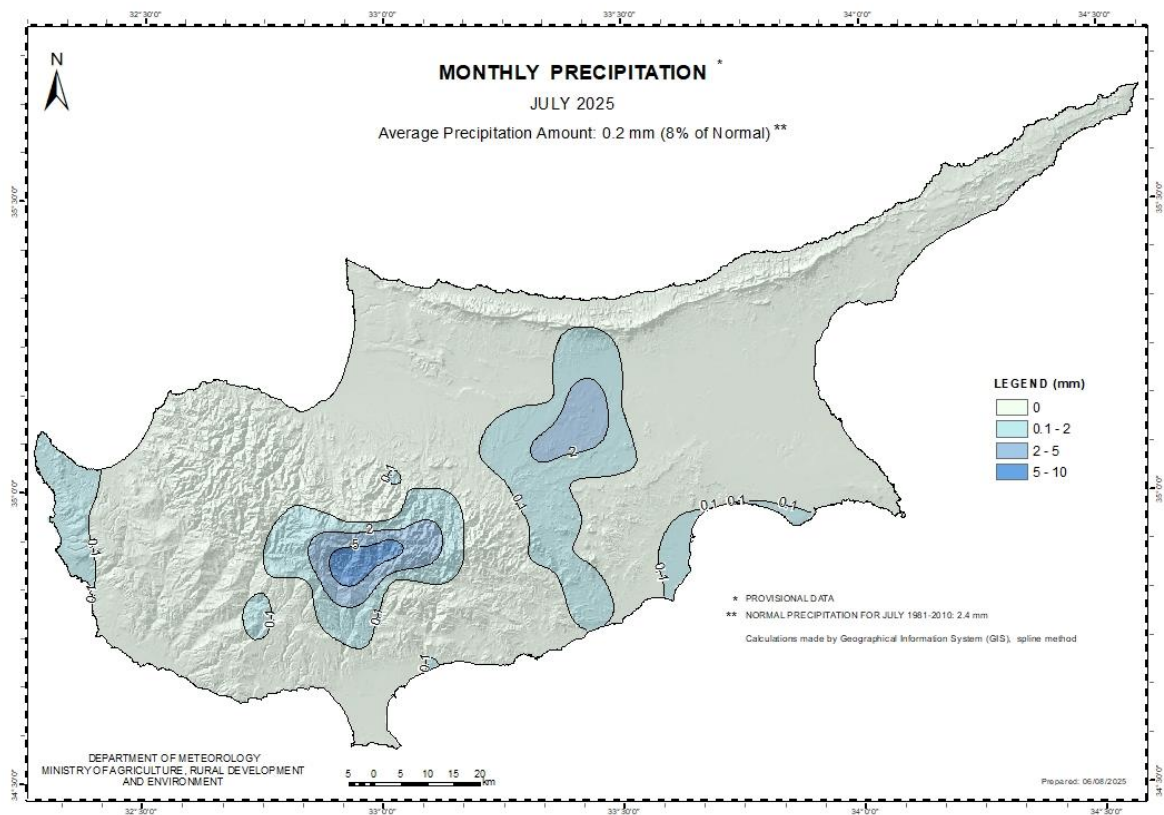
TEMPERATURE AND PRECIPITATION PROVISIONAL DATA FOR JULY 2025														
St. No.	Station Name	Mean Daily Maximum Temperature (°C)	Normal Value (1981-2010)	Difference from Normal Value	Highest Daily Maximum Temperature (°C)	Lowest Daily Maximum Temperature (°C)	Mean Daily Minimum Temperature (°C)	Normal Value (1981-2010)	Difference from Normal Value	Lowest Daily Minimum Temperature (°C)	Highest Daily Minimum Temperature (°C)	Monthly Total Precipitation (mm)	Normal Value (1981-2010)	Difference from Normal Value
41	POLIS CHRYSOCHOUS	35.0	33.4	1.6	39.8	31.6	23.0	21.1	1.9	19.5	27.6	0.0	0.1	-0.1
82*	PAFOS (AIRPORT)	31.5	29.9	1.6	34.0	29.5	23.4	20.6	2.8	20.8	26.0	0.0	0.2	-0.2
225	PRODROMOS (C.F.C.)	31.0	27.9	3.1	35.5	25.9	20.1	18.2	1.9	15.3	24.3	0.5	16.4	-15.9
666*	ATHALASSA (RADIOSONDE)	38.9	37.1	1.8	44.7	34.8	24.1	22.1	2.0	20.3	28.7	3.7	4.2	-0.5
731	LARNAKA (AIRPORT)	34.2	32.5	1.7	38.0	31.6	24.3	22.0	2.3	21.4	26.7	0.6	0.5	0.1
800**	ACHNA (DASAKI)	34.0	33.2	0.8	37.1	31.0	23.5	21.8	1.7	20.3	27.7	0.0	0.1	-0.1
* Pafos' and Athalassa's Station Normal Values cover the period 1983-2010														
** Achna's Temperature Normal Values cover the period 1981-2007														
dew														

During **July**, extremely high temperature **EMMA** warnings, have been issued at both the yellow and the orange risk level, for both the maximum and the minimum temperatures. Specifically, a total of 13 EMMA warnings for extremely high temperatures were issued; 8 of which were at the yellow risk level during the periods 7-11, 21-22 and 28 of July, while 5 of them were at the orange risk level during the period 23-27 of July.

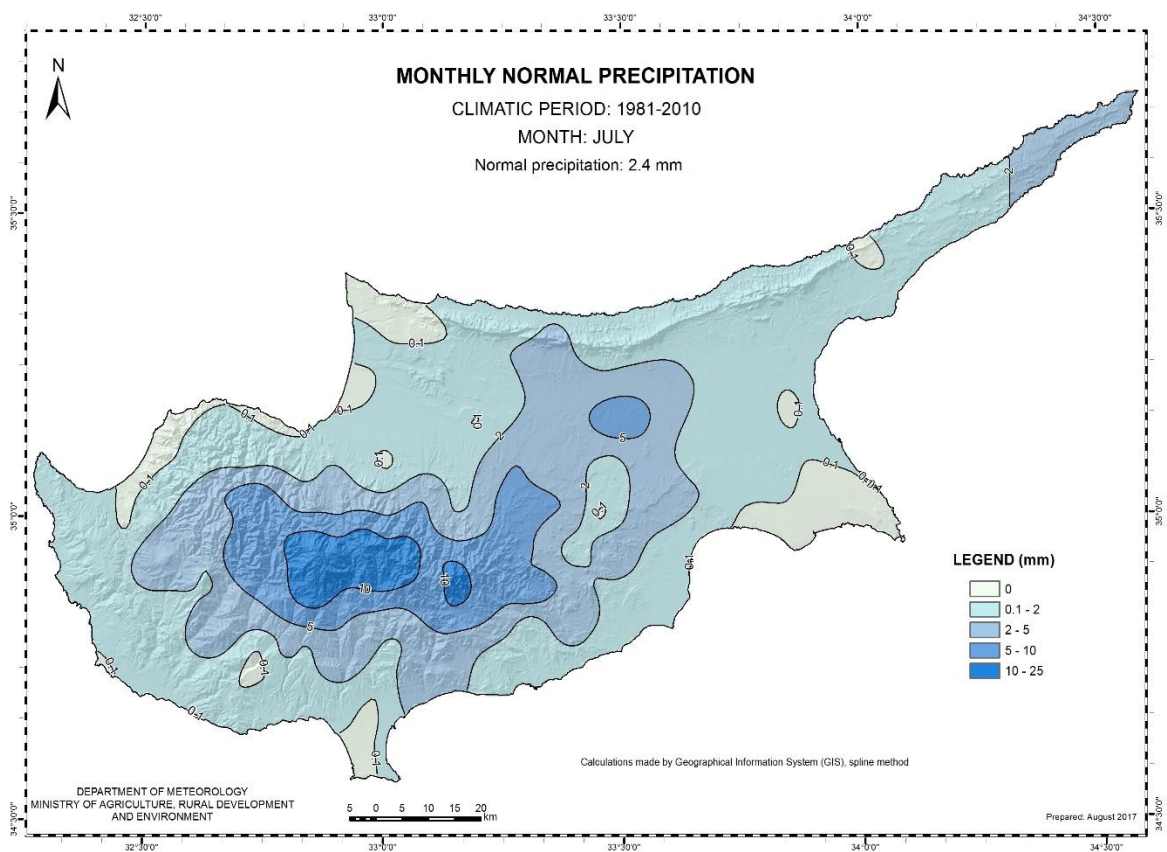
From the distribution of the accumulated precipitation of **July**, as shown in the provisional chart that follows, the surface distribution reached 0.2mm or 8% of normal, something that shows the uncertainty of the seasonal forecast model which must always be taken into account with a reserve.

During the periods 2, 16, 17 and 21of **July** local showers and isolated thunderstorms were reported.

For the purpose of better visualization of **July** accumulated precipitation, a chart of Cyprus with the total preliminary accumulated precipitation is presented.

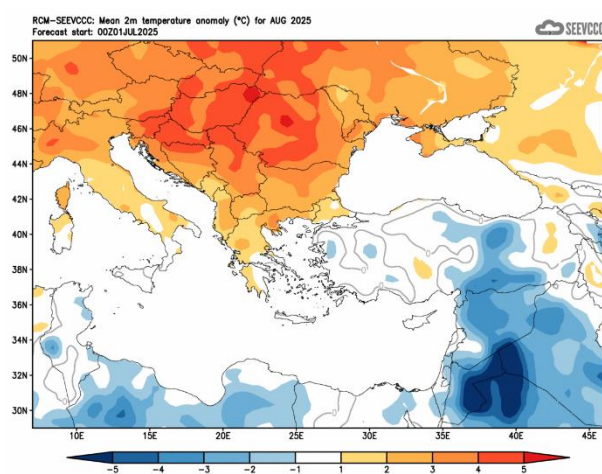


A Cyprus chart with the normal (period 1981 to 2010) accumulated precipitation for the month of **July** is also presented.

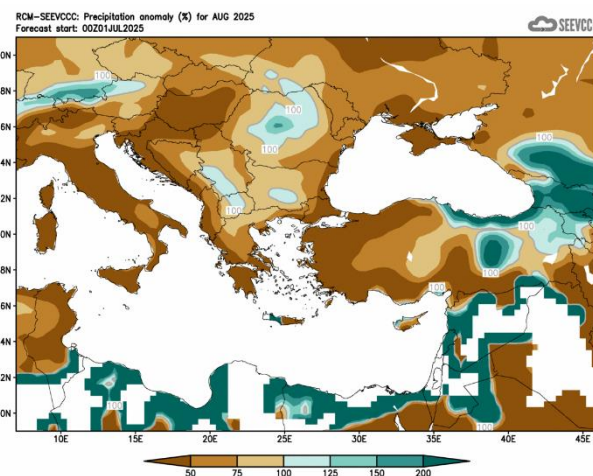


Evaluation of August's seasonal forecast for the area of Cyprus

August's seasonal forecast suggested that temperature over Cyprus would generally be normal. Normal temperatures also characterized Greece and Asia Minor, while the Near and Middle East would be lower than normal and the Balkans warmer than normal. The amount of the accumulated precipitation over the inland areas of the island was expected to be around normal, while over the northern and the western part was expected to range above normal and over the southern and eastern part was expected to range below normal.



Divergence of the mean monthly temperature (°C)
from normal during August



Percentage of the mean monthly precipitation (%)
compared with the normal of August

From the initial data, as recorded by the Department of Meteorology and presented in the table below for the selected reference stations, it appears that the seasonal model for **August** did not behave well with respect to the seasonal temperature forecast. All average daily maximum and minimum temperatures were above normal, while the positive deviation from normal of both the average daily maximum and average daily minimum temperature is notable for the reference stations.

TEMPERATURE AND PRECIPITATION PROVISIONAL DATA FOR AUGUST 2025														
St. No.	Station Name	Mean Daily Maximum Temperature (°C)	Normal Value (1981-2010)	Difference from Normal Value	Highest Daily Maximum Temperature (°C)	Lowest Daily Maximum Temperature (°C)	Mean Daily Minimum Temperature (°C)	Normal Value (1981-2010)	Difference from Normal Value	Lowest Daily Minimum Temperature (°C)	Highest Daily Minimum Temperature (°C)	Monthly Total Precipitation (mm)	Normal Value (1981-2010)	Difference from Normal Value
41	POLIS CHRYSOCHOUS	33.9	33.3	0.6	36.4	31.8	23.6	21.5	2.1	21.4	26.4	0.0	0.0	0.0
82*	PAFOS (AIRPORT)	31.6	30.5	1.1	36.0	29.7	23.9	21.2	2.7	22.0	26.3	0.0	0.0	0.0
225	PRODROMOS (C.F.C.)	30.7	28.0	2.7	38.0	25.9	19.6	18.1	1.5	15.6	26.1	0.0	12.0	-12.0
666*	ATHALASSA (RADIOSONDE)	38.8	37.0	1.8	45.0	34.7	23.2	21.9	1.3	18.8	29.2	0.0	1.8	-1.8
731	LARNAKA (AIRPORT)	34.8	32.9	1.9	39.8	31.9	24.4	22.3	2.1	21.1	30.4	0.2	0.3	-0.1
800**	ACHNA (DASAKI)	35.4	33.5	1.9	45.2	31.8	23.6	22.0	1.6	20.2	28.3	0.0	0.1	-0.1
* Pafos' and Athalassa's Station Normal Values cover the period 1983-2010 ** Achna's Temperature Normal Values cover the period 1981-2007														
dew														

Extreme maximum temperatures were recorded with positive deviations of more than 4°C, such as at the station at Achna, where the extreme maximum (45.2°C) was 11.7°C above normal (33.5°C) and at the station at Prodromos, where the extreme maximum (38°C) was 10°C above normal (28°C). Extreme minimum temperatures with positive deviations of more than 4°C were also recorded, such as at the station at Larnaca Airport, where the extreme minimum (30.4°C) was 8.1°C above normal, and at the station at Prodromos, where the extreme minimum (26.1°C) was 8°C above normal.

For the periods 9-15 and 21-23 of **August** EMMA yellow warnings were issued, concerning high temperatures.

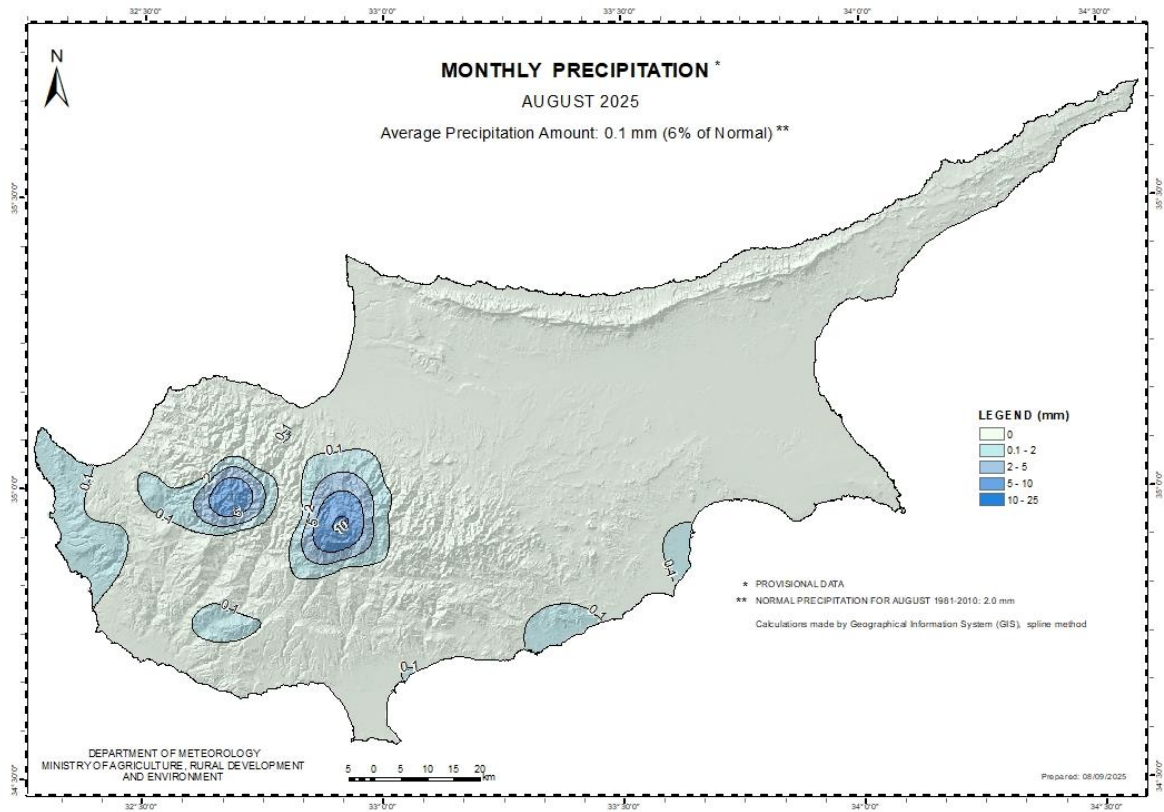
EMMA warnings at the orange level were issued on August 9-12, regarding high temperatures.

In addition, EMMA warnings at the red level were issued on August 13 and 14, regarding extremely high temperatures.

From the distribution of the accumulated precipitation of **August**, as is shown in the provisional chart that follows, the surface distribution reached only 0.1mm or 6% of normal, something that shows us the uncertainty of the seasonal forecast model which must always be taken into account with a reserve.

During the period of 25 - 27 of **August** local showers accompanied sometimes with thunderstorms were recorded, while no hail was reported during August.

For the purpose of better visualization of **August** accumulated precipitation, a chart of Cyprus with the total preliminary accumulated precipitation is presented.



A Cyprus chart with the normal (period 1981 to 2010) accumulated precipitation for the month of **August** is also presented.

