

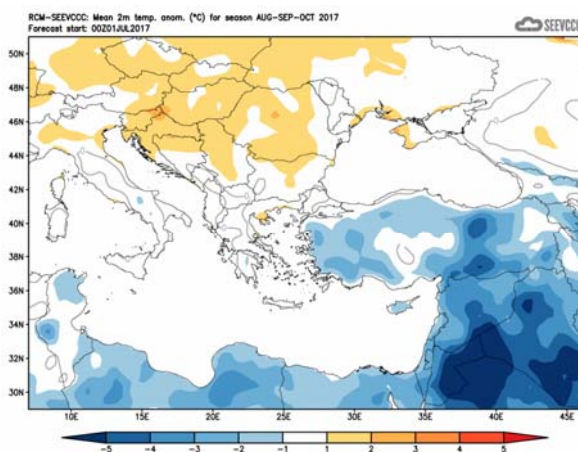
Seasonal weather forecast for the months of

August, September and October 2017

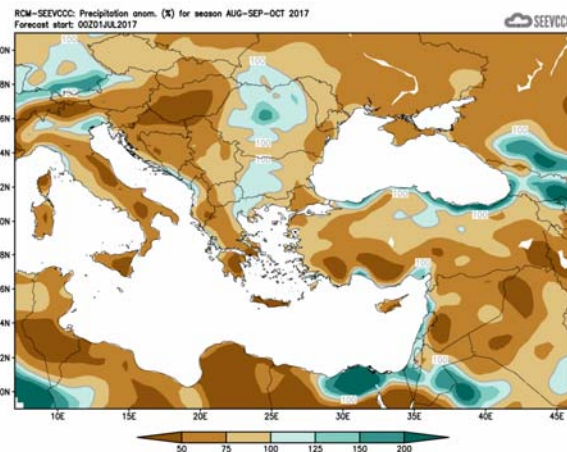
General over view of the weather expected to prevail for August, September and October.

The weather for the following three months, namely **August, September and October 2017**, will be presented, with respect to the anomalies of temperature, and accumulated precipitation. Normal temperatures (both maximum and minimum), are on the rise suggesting **August** as the hottest month of the year. The accumulated precipitation is at its lowest values. The period of the following three months (mainly July and August) is likely to be characterized by outbreaks of thunderstorms, initiated from thermal causes over the main plain area or over the mountainous range from orographic uplift.

Specifically, regarding the seasonal forecast for the period of **August, September and October 2017**, the temperature will be generally normal to lower than normal. Normal to lower than normal temperature characterizes also the greater part of Asia Minor, while the Balkans will be normal and near East will be again significantly lower than normal. The amount of the accumulated precipitation over most areas of Cyprus is expected to range between 50% and 75% of normal, but over the southern and eastern part is expected to range 50% of normal and below.



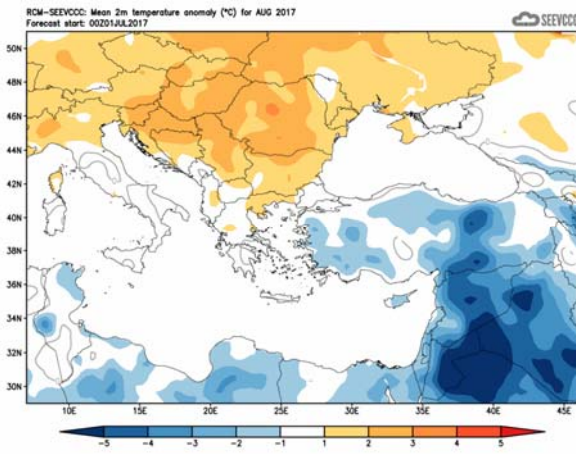
Divergence of temperature from normal from the mean seasonal temperature (°C) for August, September and October



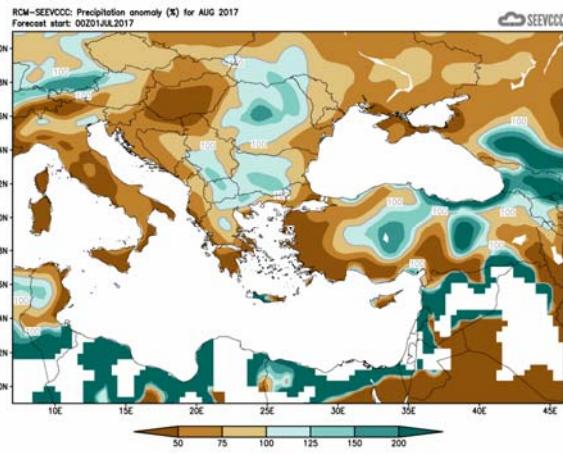
Percentage (%) of the mean seasonal accumulated precipitation compared to the mean normal for August, September and October

The seasonal monthly forecast in detail

August's seasonal forecast suggests that temperature over Cyprus will be generally normal to lower than normal. The amount of the accumulated precipitation over most areas of Cyprus is expected to range between 50% and 75% of normal, over the southern and eastern part is expected to range 50% of normal and below and over northern and western part between normal and 125% of normal.

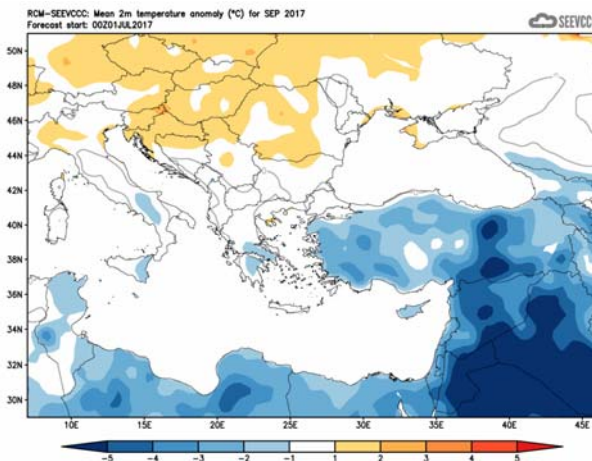


Divergence of the mean monthly temperature (°C) from normal during August

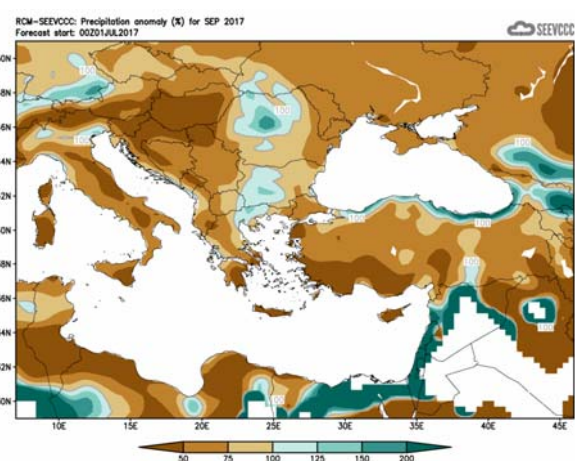


Percentage of the mean monthly precipitation (%) compared with the normal of August

The seasonal forecast suggests that **September's** temperature will be generally below normal, by 1 to 2°C. The below normal temperature is also a characteristic of the area of Asia Minor and Near and Middle East. The amount of the accumulated precipitation over most areas of Cyprus is expected to range below 50% of normal.

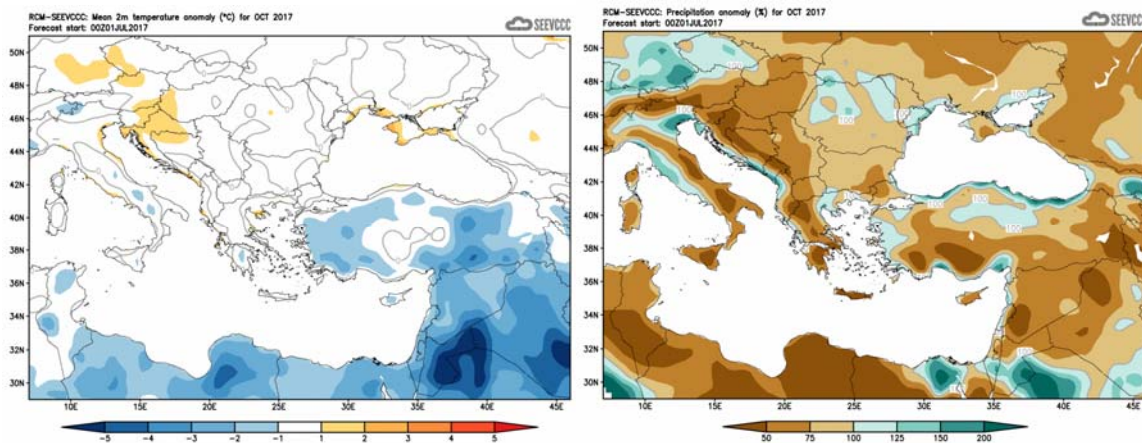


Divergence of the mean monthly temperature (°C) from normal during September



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

The seasonal forecast for **October** suggests that temperature will be generally normal, except inland where is expected to be by 1 to 2°C below normal. The accumulated precipitation for Cyprus will range over most areas between 50% and 75% of normal, except over the northern and western part where is expected to range between 75% and 100% of normal.



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

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

Normal values of temperature and accumulated precipitation for August, September and October 2017

The normal values of mean maximum, mean minimum temperature and accumulated precipitation are presented below concerning the three months the period of forecast is covering, in order to gain a better view of the normal seasonal climate. The temperature, both maximum and minimum, is on the fall suggesting **August** as the warmest month of not only the period but also the year. On the other hand the accumulated precipitation is increasing significantly from **August** to **October**, as presented by the climatological data shown on the table below. It is worth noting that **October's** precipitation is significantly higher than **August's** as a result of the reoccurrence/redeveloping of depressions over the area of the east Mediterranean (during October).

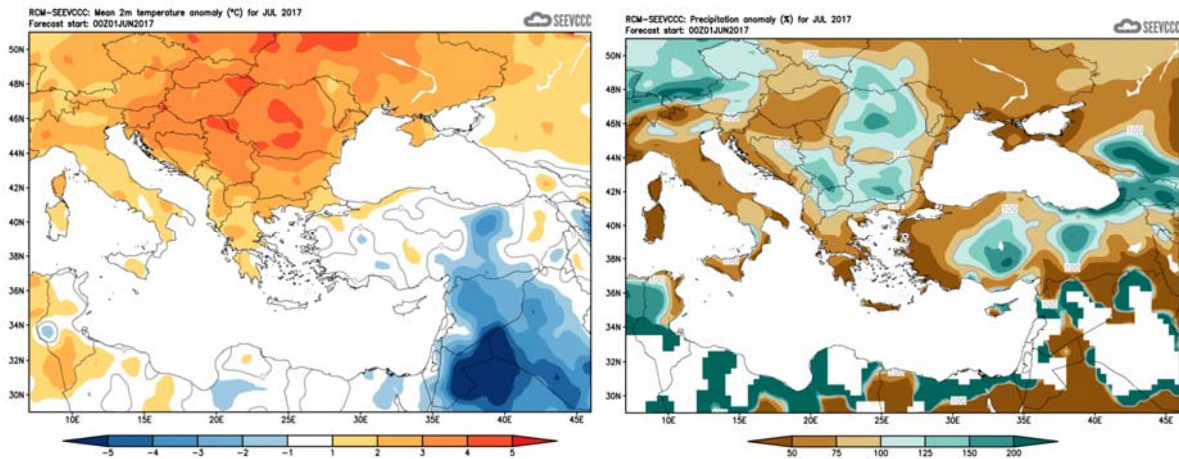
TEMPERATURE AND PRECIPITATION NORMAL VALUES FOR THE PERIOD 1981-2010									
Area Name	MEAN DAILY MAXIMUM TEMPERATURE (°C)			MEAN DAILY MINIMUM TEMPERATURE (°C)			MEAN MONTHLY TOTAL PRECIPITATION (mm)		
	August	September	October	August	September	October	August	September	October
NORTH COAST	33.3	30.1	26.4	21.5	19.2	16.1	0.0	4.0	30.3
WEST COAST*	30.5	29.0	26.4	21.1	19.1	16.4	0.0	3.6	27.4
MOUNTAINOUS AREAS	28.0	24.6	19.2	18.1	14.9	10.9	12.0	10.7	34.4
INLAND*	36.9	33.6	28.4	21.9	18.8	15.2	1.8	12.2	20.7
SOUTH COAST	32.9	30.9	27.8	22.3	19.8	16.7	0.3	4.3	16.0
EAST COAST**	33.5	31.9	28.5	22.0	19.6	16.7	0.1	2.9	19.9

* West Coast and Inland Values cover the period 1983-2010

** East Coast Temperature Values cover the period 1981-2007

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

The seasonal forecast suggested that **July's** temperature would be normal alike Asia Minor. Regarding the accumulated precipitation Cyprus west part was expected to be below 50% of normal but over the east part accumulated precipitation was expected to range 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 models evaluation for **July**, a general judgment is that the model did not perform well both qualitatively and quantitatively concerning not only for the temperature but also for the seasonal accumulated precipitation. It must be mentioned that during summer month's precipitation is resulted mainly from thundery activity which has very localised characteristics and that judging is very difficult due to models limitations.

In a more detailed evaluation of the recorded temperatures, both maximum and minimum (table below), were above normal. The recorded maximum temperature was around 2-3°C above normal over

the most areas of Cyprus. Specifically the mean provisional daily maximum temperatures of Athalassa, Prodomos, Pafos Airport and Larnaka Airport are a record of high temperatures of July and rank July 2017 as the hottest for at least the last 30 years.

Of course, extreme highs and lows (both maximum and minimum departing by 4°C of normal) were recorded. On the 1st and 2nd of July maximum temperature departing by at least 4°C of normal was recorded in all stations. Specifically on 1st of July the daily maximum temperature of Pafos airport was 41.6°C. On 2nd of July the daily maximum temperature of Athalassa was 44.6°C and of Prodomos was 36.7°C. All the above maximum temperatures are extremes for July for the last 30 years. They are also the highest temperatures recorded for the last 30 years, except the maximum temperature of Athalassa, which was the second highest (first highest 45.6°C on 1st of August 2010).

There were also recorded highest minimums with positive departures greater than 4°C of normal. Note the minimum 28.6°C at Athalassa station on 1st of **July** and the minimum 23.6°C at Prodomos on 3rd of **July**.

During **July** 11 EMMA warnings with yellow awareness level and 3 with orange awareness level were issued, concerning extreme high temperatures, not only maximum but also minimum temperatures. Extreme high temperatures were characteristic of the month, not only for Cyprus, but also for South Europe.

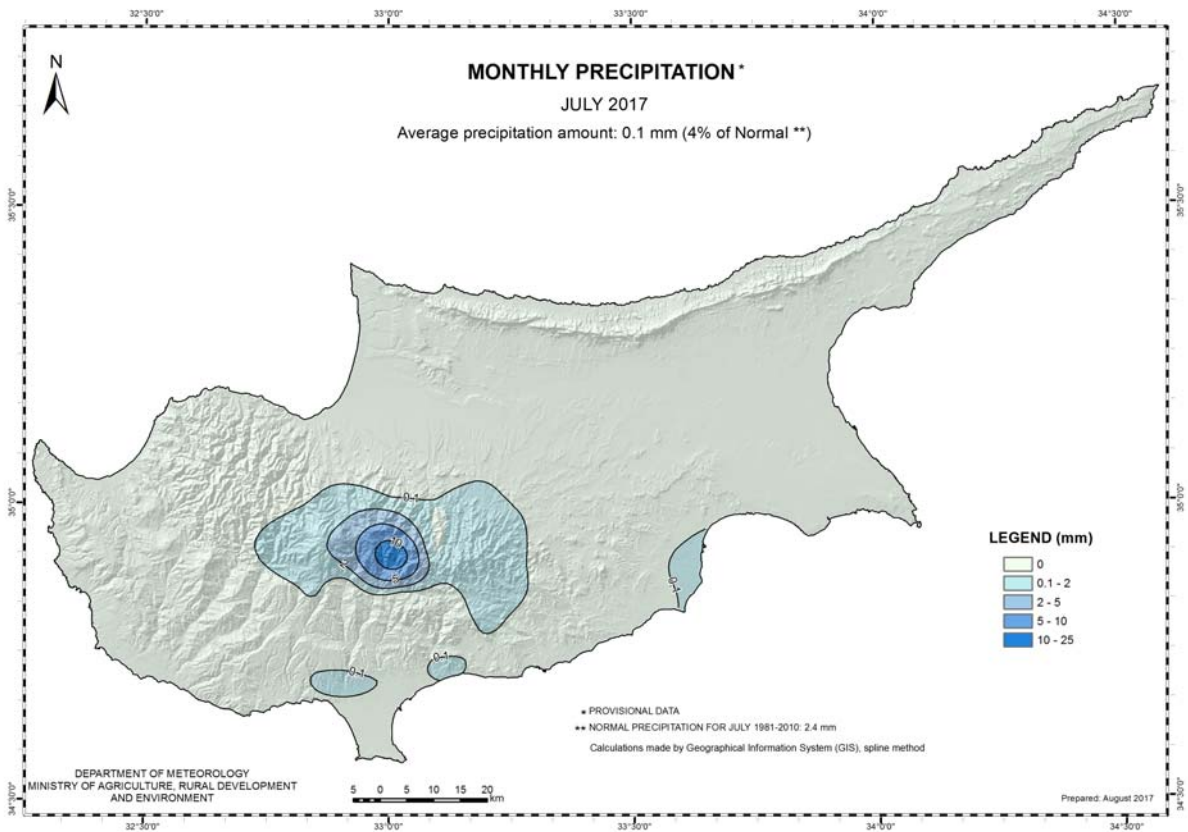
On 24th of **July** episodes of thundery activity and isolated showers over mountainous areas resulted in accumulated precipitation of 4% of normal.

TEMPERATURE AND PRECIPITATION PROVISIONAL DATA FOR JULY 2017														
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	34.1	33.4	0.7	38.8	31.4	22.0	21.1	0.9	18.2	24.9	0.0	0.1	-0.1
82*	PAFOS (AIRPORT)	32.2	29.9	2.3	41.6	30.6	21.7	20.6	1.1	19.5	23.7	0.0	0.2	-0.2
225	PRODROMOS (C.F.C.)	31.3	27.9	3.4	36.7	27.5	19.1	18.2	0.9	14.8	23.6	0.8	16.4	-15.6
666*	ATHALASSA (RADIOSONDE)	39.3	37.1	2.2	44.6	34.2	24.5	22.1	2.4	20.7	28.6	0.0	4.2	-4.2
731	LARNAKA (AIRPORT)	34.6	32.5	2.1	39.9	31.3	23.6	22.0	1.6	21.5	26.2	0.4	0.5	-0.1
800**	ACHNA (DASAKI)	34.9	33.2	1.7	40.0	30.7	22.6	21.8	0.8	19.4	26.1	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

= VALUES FROM AUTOMATIC WEATHER STATION

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.

