

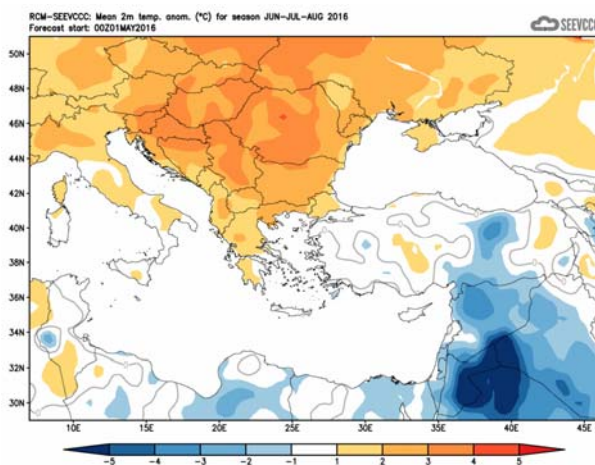
Seasonal weather forecast for the months of June, July and August 2016

General over view of the weather expected to prevail for June, July and August.

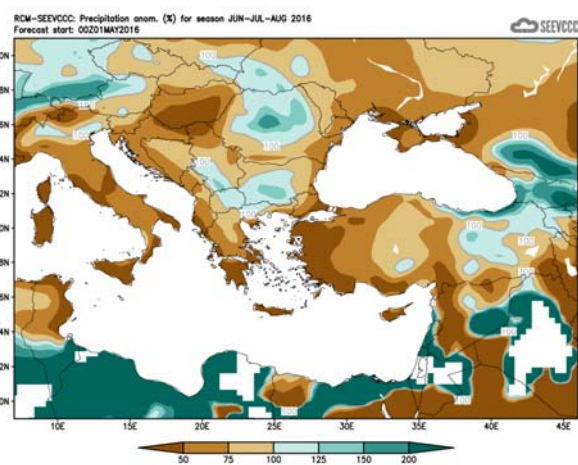
The weather for the following three months, namely **June, July and August 2016**, will be presented, with respect to the anomalies of temperature, and accumulated precipitation.

Normal temperatures (both maximum and minimum), are on the rise suggesting the second half of the period as the hottest period of the year. The accumulated precipitation is at its lowest values. The period of the following three months 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 **June, July and August 2016**, the temperature will be generally normal. Normal temperature characterizes also the greater part of Asia Minor, while the Balkans will be warmer than normal and near East will be lower than normal. The amount of the accumulated precipitation over Cyprus is expected to range generally from 50% to 75% of normal as the Balkans and part of Asia Minor, except the northern part where the accumulated precipitation will be up to normal.



Divergence of temperature from normal from the mean seasonal temperature ($^{\circ}\text{C}$) for June, July and August

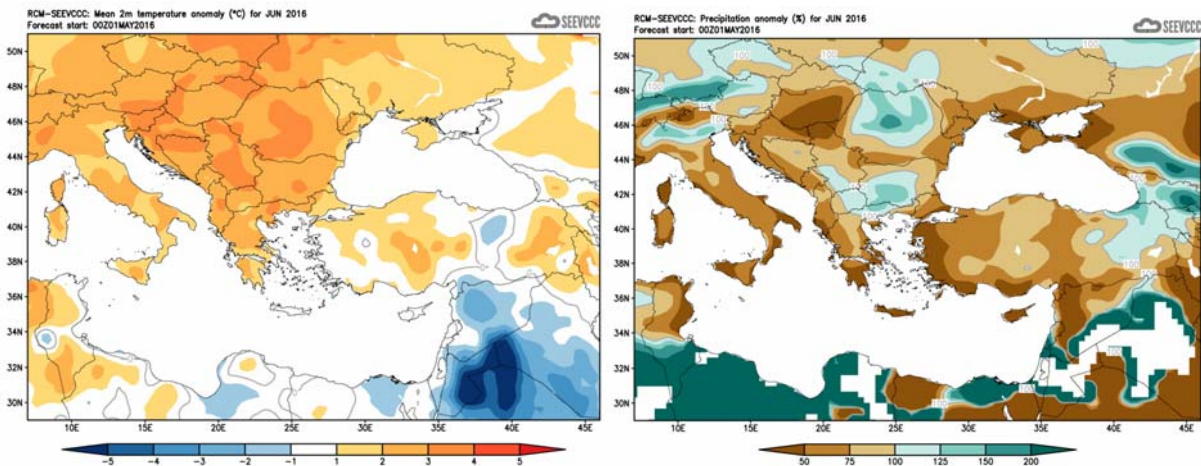


Percentage (%) of the mean seasonal accumulated precipitation compared to the mean normal for June, July and August

The seasonal monthly forecast in detail

June

The seasonal forecast suggests that **June's** temperature will be generally normal while the Balkans and great parts of Asia Minor will be warmer than normal. Regarding the accumulated precipitation Cyprus is expected to be dry with the accumulated precipitation ranging below 50% for the entire area of Cyprus.

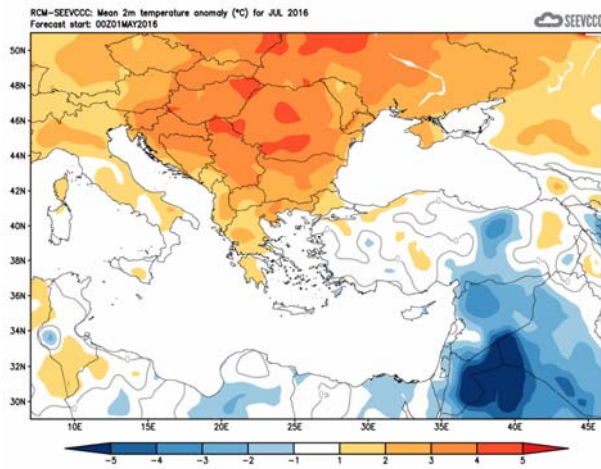


Divergence of the mean monthly temperature (°C)
from normal during June

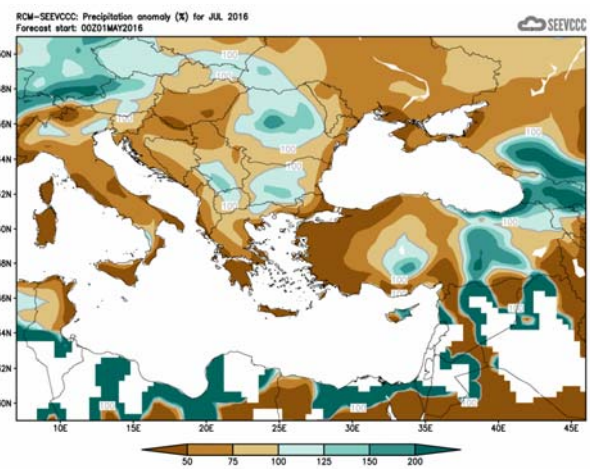
Percentage of the mean monthly precipitation (%)
compared with the normal of June

July

The seasonal forecast suggests that **July's** temperature will be over the greater part of the island normal but cooler by 1 to 2°C, over the extreme east part. Regarding the accumulated precipitation Cyprus west part is expected to be again with the accumulated precipitation ranging below 50% but over the east part accumulated precipitation of up to 150% is probable, bearing always in mind that the normal accumulation for July is very low.



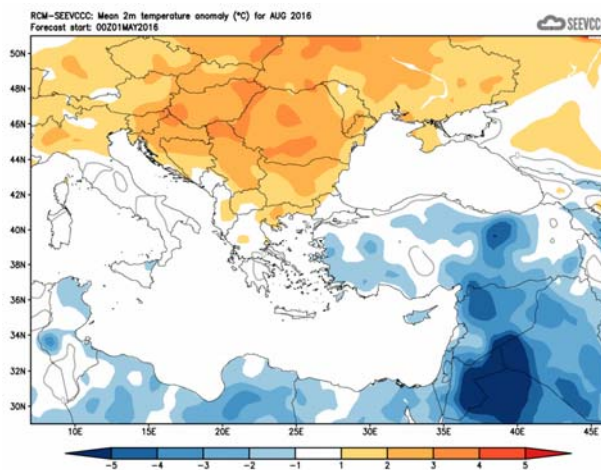
Divergence of the mean monthly temperature ($^{\circ}\text{C}$) from normal during July



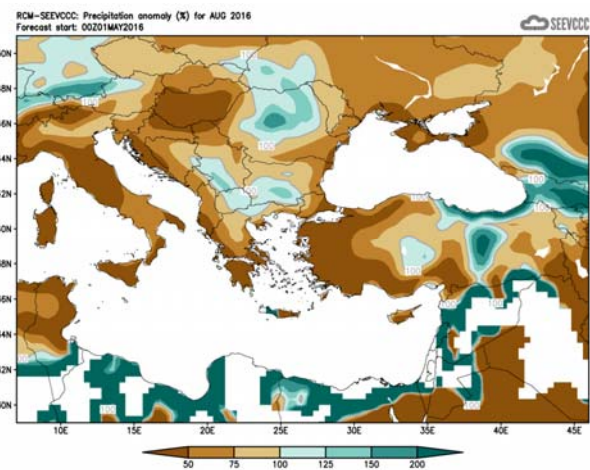
Percentage of the mean monthly precipitation (%) compared with the normal of July

August

The seasonal forecast suggests that **August's** temperature will be generally below normal, by 1 to 2 $^{\circ}\text{C}$. Regarding the accumulated precipitation Cyprus will be again with the accumulated precipitation ranging below 50% to 75%.



Divergence of the mean monthly temperature ($^{\circ}\text{C}$) from normal during August



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

Normal values of temperature (mean maximum and mean minimum) and accumulated precipitation for June, July and August

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 period of forecast is the transitional summer. The temperature, both maximum and minimum, is on the rise with **July's** temperature significantly higher. Climatologically extreme high temperatures are recorded during **July** and over some areas during **August**. On the other hand the accumulated precipitation is declining, as presented by the climatological data shown on the table below. Thundery activity is likely during afternoon hours mainly inland and over the mountains, which is noted also from the table below. Note the cause of the mountainous area of Troodos range over the accumulated precipitation, mainly as a result of thundery activity, which is affecting primarily the mountainous ranges of the island. The accumulated precipitation over Prodromos station although declining towards **August** is always significantly higher, if compared to the accumulated precipitation of the other selected stations.

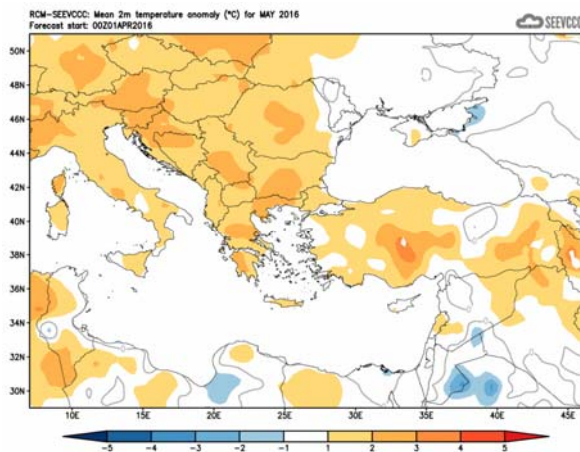
TEMPERATURE AND PRECIPITATION NORMAL VALUES FOR THE PERIOD 1981-2010									
Area Name	MEAN DAILY MAXIMUM TEMPERATURE (°C)			MEAN DAILY MINIMUM TEMPERATURE (°C)			MEAN MONTHLY TOTAL PRECIPITATION (mm)		
	June	July	August	June	July	August	June	July	August
NORTH COAST	30.3	33.4	33.3	18.5	21.1	21.5	1.8	0.1	0.0
WEST COAST*	27.6	29.9	30.5	18.0	20.6	21.1	1.3	0.2	0.0
MOUNTAINOUS AREAS	29.0	27.9	28.0	15.0	18.2	18.1	27.2	16.4	12.0
INLAND*	34.0	37.1	36.9	19.1	22.1	21.9	11.6	4.2	1.8
SOUTH COAST	30.2	32.5	32.9	19.4	22.0	22.3	2.0	0.5	0.3
EAST COAST**	31.0	33.2	33.5	18.9	21.8	22.0	1.8	0.1	0.1

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

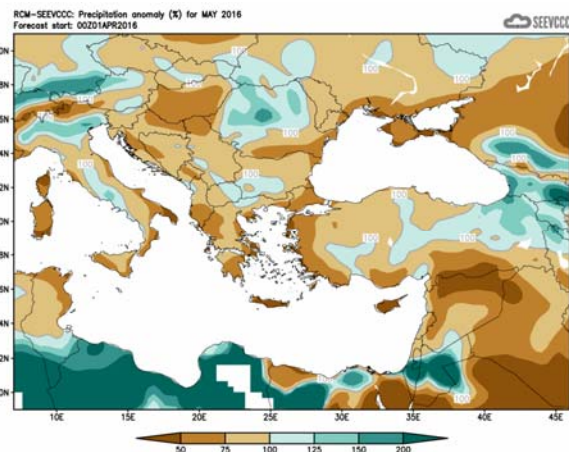
** East Coast Temperature Values cover the period 1981-2007

Evaluation of Mays seasonal forecast for the area of Cyprus

The seasonal forecast suggested that **May's** temperature would be generally normal. Regarding the accumulated precipitation Cyprus was expected to be again in a dry zone with the accumulated precipitation ranging below 50% of normal.



Divergence of the mean monthly temperature ($^{\circ}\text{C}$) from normal during May



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

Concerning the models evaluation for **May**, a general judgment is that the model performed well both qualitatively and quantitatively concerning only the temperature but it failed significantly in forecasting the seasonal accumulated precipitation.

In a more detailed evaluation of the recorded temperatures both maximum and minimum (table below) were around normal with only some small departures. Great departures from maxima and minima normal were recorded in several cases, namely the cases of extreme recorded temperatures like the maximum of Paphos airport station where the extreme maximum of 35.8°C was 11.3°C above normal (24.5°C), and also the station of Larnaca airport, where the extreme maximum of 36.0°C was 9.6°C above normal 27.4°C . Apart from extreme maximum temperatures, extreme minimum ones were also recorded, like the one recorded over Prodromos $T_{\text{min}}=4.2^{\circ}\text{C}$ with normal being 10.8°C .

During **May** and mainly the periods between the 4th and 8th and the 27th and 29th of **May**, showers and isolated thunderstorms were recorded due to weak baroclinic depressions affected the area of Cyprus. The baroclinic depression that affected the area between 4th and 8th of **May** was associated with a cold invasion, resulting in extreme minimum temperatures in a lot of areas. During the period 27th and 29th of **May** hail was recorded mainly over the mountainous area of Limassol, mountainous area of Larnaka, west part of Nicosia area and east part of Paphos area. The amount of area average precipitation ranks **May** 2016 one of the rainiest Mays in record.

Regarding the accumulated precipitation of **May** an amount of area average precipitation of 27.6 mm (173% of normal) was recorded with the normal 1981-2010 being 16.0 mm. The higher amounts of accumulated precipitation were recorded mainly over the mountains and northwest area of Cyprus leaving the rest of areas drier.

TEMPERATURE AND PRECIPITATION PROVISIONAL DATA FOR MAY 2016

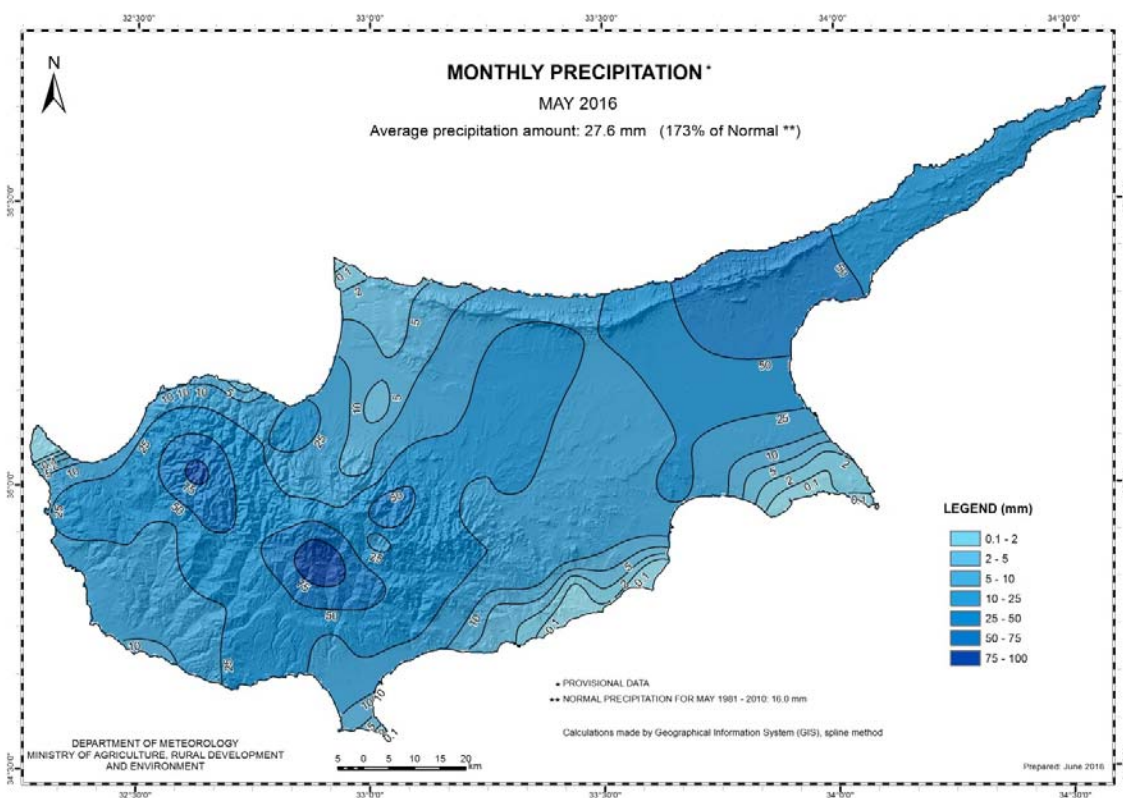
St. No.	Station Name	Mean Daily Maximum Temperature (°C)	Normal Value (1981-2010)	Difference from Normal Value	Highest Daily Maximum Temperature (°C)	Mean Daily Minimum Temperature (°C)	Normal Value (1981-2010)	Difference from Normal Value	Lowest Daily Minimum Temperature (°C)	Monthly Total Precipitation (mm)	Normal Value (1981-2010)	Difference from Normal Value
41	POLIS CHRYSOCHOUS	27,4	25,8	1,6	33,7	16,3	14,3	2,0	12,7	17,6	7,6	10,0
82*	PAFOS (AIRPORT)	25,5	24,5	1,0	35,8	15,8	14,7	1,1	12,5	7,4	6,1	1,3
225	PRODROMOS (C.F.C.)	19,2	20,4	-1,2	27,9	9,2	10,8	-1,6	4,2	33,8	32,0	1,8
666*	ATHALASSA (RADIOSONDE)	29,1	29,6	-0,5	35,2	15,9	14,8	1,1	11,1	26,4	24,6	1,8
731	LARNAKA (AIRPORT)	27,0	26,4	0,6	36,0	16,6	15,7	0,9	13,0	0,8	9,8	-9,0
800**	ACHNA (DASAKI)	26,3	27,4	-1,1	34,0	14,5	14,9	-0,4	11,3	9,2	10,7	-1,5

* 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 **May** 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 **May** is also presented.

