

National Climate Bulletin and the assessment of the SEECOF-12

Climate outlook for **CYPRUS** for winter season DJF 2014-2015

Cyprus Department of Meteorology prepares regular seasonal climate outlooks, based on the products of SEECOF seasonal forecasts. The present outlook concerns the outlook for the three winter months of December 2014, January and February 2015, which is based on the means of the climatological period 1981-2010.

Generally, the area of the east Mediterranean, but specially the area of Cyprus, during winter is characterized by the low mean maximum and minimum normal (1981-201) temperatures. Normal accumulated precipitation is reaching maximum as a result of the frequent barometric systems which are affecting the area.

The assessment is performed bearing in mind the consensus statement of SEECOF12 which was stating that:

1. 2m temperature (the mean) was likely to range below normal with a probability of 20%, around normal with a probability of 40% and above normal with a probability of 40% and,
2. Accumulated precipitation probabilities were for 33% below normal, 33% around normal and 34% above normal.

The table below presents the normal (1981-2010) values (N) versus the recorded (R) values of both temperature (both mean max and mean min) and accumulated precipitation for the winter period of December, January and February.

NORMAL MEAN MAXIMUM, MINIMUM TEMPERATURE AND ACCUMULATED PRECIPITATION VALUES (N)																		
BASED ON 1981-2010 CLIMATIC PERIOD AND 2014-2015 RECORDED VALUES (R). All values are rounded.																		
Area Name	MEAN DAILY MAXIMUM TEMPERATURE (°C)						MEAN DAILY MINIMUM TEMPERATURE (°C)						MEAN MONTHLY ACCUMULATED PRECIPITATION (mm)					
	December		January		February		December		January		February		December		January		February	
	N	R	N	R	N	R	N	R	N	R	N	R	N	R	N	R	N	R
NORTH COAST	18.0	19.3	16.3	15.6	16.3	16.2	9.3	10.9	7.6	6.9	7.3	7.1	93.6	79.4	85.3	109.0	68.5	109.5
WEST COAST*	18.9	21.3	17.1	17.4	17.1	17.6	10.0	12.6	8.3	9.2	8.1	9.1	90.1	51.7	78.8	154.8	59.8	71.6
MOUNTAINOUS AREAS	8.3	9.9	6.3	5.9	6.7	6.8	2.6	3.7	0.7	-0.3	0.5	-0.3	157.3	98.6	150.0	269.4	128.7	224.9
INLAND*	17.3	19.1	15.5	15.3	16.0	15.8	7.0	9.2	5.4	5.6	5.3	5.8	57.2	70.1	48.8	49.8	44.5	46.0
SOUTH COAST	18.6	20.6	16.8	16.9	17.0	17.5	9.2	11.7	7.5	7.9	7.1	7.7	79.0	80.4	73.7	146.9	50.3	54.9
EAST COAST**	18.0	19.3	16.3	15.2	16.5	16.0	8.3	10.1	6.6	5.8	6.3	5.9	76.8	82.7	67.3	75.4	50.7	54.8

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

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

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

Country	Seasonal temperature (DJF)		Seasonal precipitation (DJF)		High Impact Events
	Observed	SEECOF-12 climate outlook for temperature	Observed	SEECOF-12 climate outlook for precipitation	
CYPRUS	<p>DEC Slightly above normal</p> <p>JAN Around Normal</p> <p>FEB Around Normal</p>	<p>DEC Generally normal inland whiule over a narrow coastal zone 1 to 2°C above normal</p> <p>JAN Above Normal</p> <p>FEB Above Normal</p>	<p>DEC West, North but also the mountains noted a significant negative departare from the normal while some other inland and South part stations have recorded positive anomalies</p> <p>JAN Significantly above normal over all the mountainous stations, while above normal over all the other inland and coastal stations</p> <p>FEB Mountainous areas significantly above normal, while Inland and Coastal areas above normal</p>	<p>DEC Central, East and South 50% to 75%, and only to the extreme West and North would have been ranging around normal 75% to 100%</p> <p>JAN Most areas (West, mountains and North) 75% to 100%, while over the southern and eastern 50 to 75%</p> <p>FEB 50% to 75% over most areas (West, North, Mountains and part of inland), while over the southern and eastern part 50 to 75%</p>	<p>DEC: An extreme Tmax (16.8°C) was recorded over Prodromos (mountainous station) with a positive anomaly of 8.5°C from normal (8.3°C)</p> <p>JAN: Extreme Tmax (14.1°C) was recorded over Prodromos mountainous station with a maximum positive anomaly of 7.9°C Extreme Tmin (-10.7°C) was again recorded over Prodromos mountainous station with a negative deviation of -10.0°C from normal (0.7°C)</p> <p>During the first week, a mean area of 82.6mm was recorded while other significant accumulations were recorded from the 13th to the 14th of the month and during the end of the month. January «closed» with a mean area average of 168.2mm or 164% of normal. During this period a polar air mass affected the area resulting in the recorded low temperatures. Snowfall was recorded over the mountainous range but also over areas with lower altitude like Nicosia (160m) the capital of Cyprus. Snow was recorded from the 6th to the 8th of January on the 14th and also during the 30th and 31st of January. As a concequence of snow fall and ground frost several schools over the mountains were closed and part of the transportstion programm was distracted. During the mentioned periods the wind field was high. Warnings concerning the sea state, the precipitation accumulation were issued, while in particular EMMA warnings concerning Thunderstorms (Yellow), Rain (Yellow), Mean wind speed (Yellow and Orange) and minimum temperature (Red) were issued</p> <p>FEB: An extreme Tmax (17.6°C) was recorded over Prodromos (mountainous</p>

				<p>station) with a positive anomaly of 9.8°C from normal (6.8°C). Extreme Tmin (-9.5°C) was again recorded over Prodromos mountainous station with a negative deviation of -9.0°C from normal (0.5°C)</p> <p>Regarding the accumulated precipitation of February a notable amount of area average 105.2mm, or 129% of normal (81.6mm) area average, was accumulated. It worth's mentioning that all mountainous and semi mountainous stations encountered accumulated precipitation well above the months normal. The precipitations distribution was significantly higher over the mountains' (Over Prodromos station 252mm of accumulated precipitation was measured, or 173% of normal) if compared to the coastal areas. It was the main result of two successive depressions associated with cold invasions which have affected eastern Mediterranean during the periods from the 9th to 15th and from the 18th to the 24th of February. On the period from the 9th to the 12th of February hail was reported as a result of thundery activity. During the above periods 6 fresh snow days were resulted with snow noted not only over the highest mountainous areas of Troodos Range but also over semi mountainous areas and plane areas as Athalassa station (nearby Nicosia the capital). On the 19th snow and or rain snow was observed also over coastal stations, like Kato Pirgos, Gialia and Limassol.</p> <p>Warnings concerning the sea state, the precipitation accumulation were issued while in particular EMMA warnings concerning Thunderstorms (Yellow), Rain (Yellow), and minimum temperature (Yellow) were issued</p>
--	--	--	--	---