

Country: Turkey

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Assessment of the seasonal forecast for the summer season

JJA 2015

1. SEECOF-13 Climate outlook for the 2015 summer season:

According to SEECOF-13 consensus statement, in 2015 summer season, temperature was expected to be above normal or around normal mostly. Precipitation was expected to be above normal in general except for the western part of the country.

2. Analysis of the 2015 summer season:

In **June** of 2015, the mean temperature was around normal in the coast line and in the east half of the country. Except from the coast line west part of the country had below normal temperatures. The cities in the east border part of Turkey had above normal temperatures. Highest temperature was observed in the city of Cizre as 30.2°C and lowest temperature was observed in Sarıkamış as 13.8°C.



Figure 1. June 2015 Mean Temperature Anomalies

Precipitation of June 2015 was higher than normal by %83,7 and it was higher than June 2014 precipitation by % 23. Mean precipitation of July is 56,7 mm, precipitation normal is 30,8 mm and June 2014 precipitation was observed as 46,0 mm.

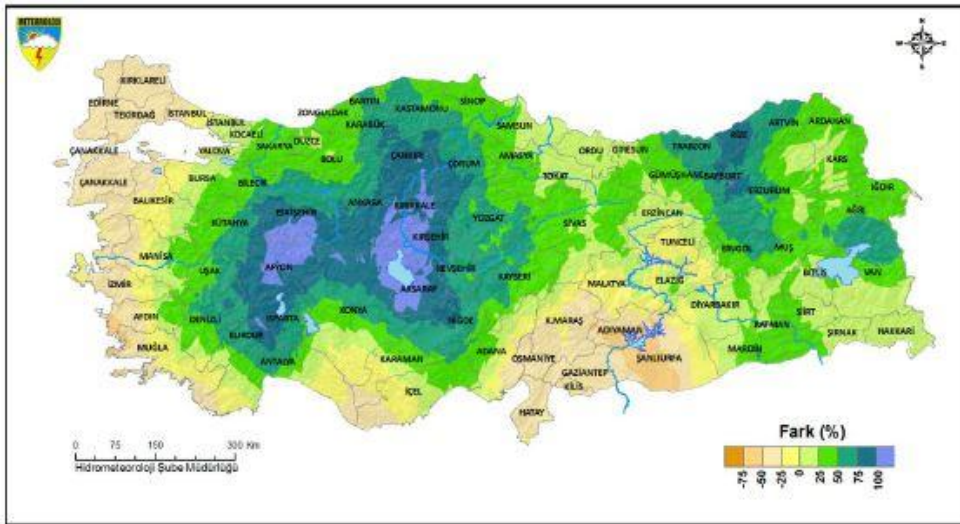


Figure 2. June 2015 Precipitation Anomalies

In **July** 2015, the mean temperatures were around normal in most of the country. Only in cities of Kırklareli, İstanbul and İçel, and in cities of the east of the country temperature was above normal. Highest temperature of July was observed in Cizre as 35.7°C and the lowest temperature was observed in Ardahan as 17.4°C.

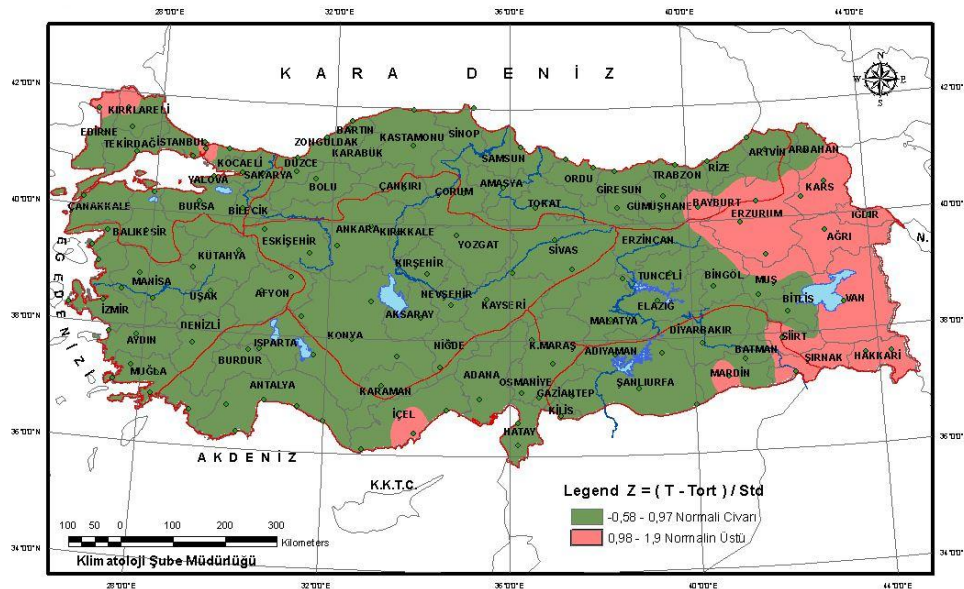


Figure 3. July 2015 Mean Temperature Anomalies

In general, precipitations were below normal and also lower than July 2014 precipitation.

Total mean precipitation of July is 5,8 mm, July precipitation normal is 16,7 mm and July 2014 mean precipitation is 17,2 mm. In July 2015, precipitation was % 65,0 higher than normal and % 66,0 higher than July 2014 precipitation.

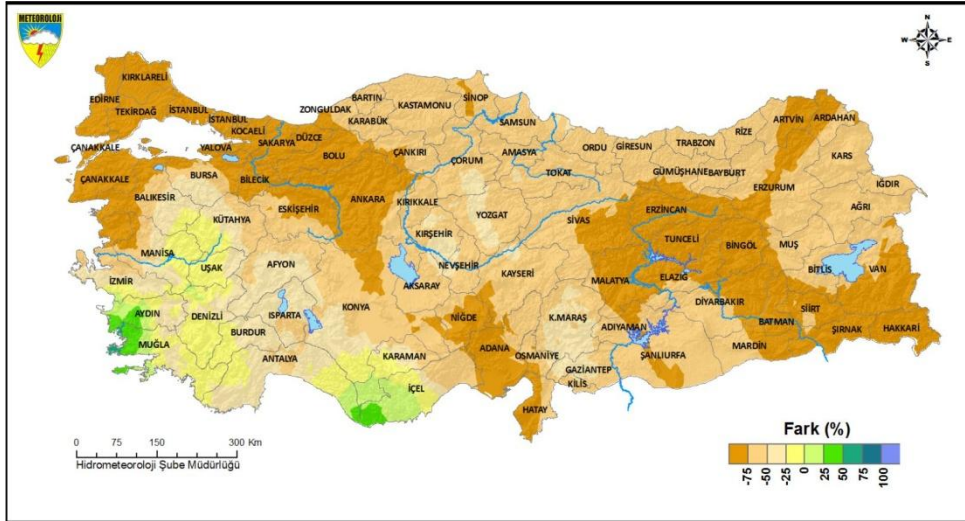


Figure 4. July 2015 Precipitation Anomalies

In **August** of 2015, temperature was above normal on the coast line and in northern half of west of the country. In other parts of the country, temperature was around normal. Highest temperature was observed in Cizre as 34.5°C and lowest temperature was observed in Sarıkamış as 17.5°C.

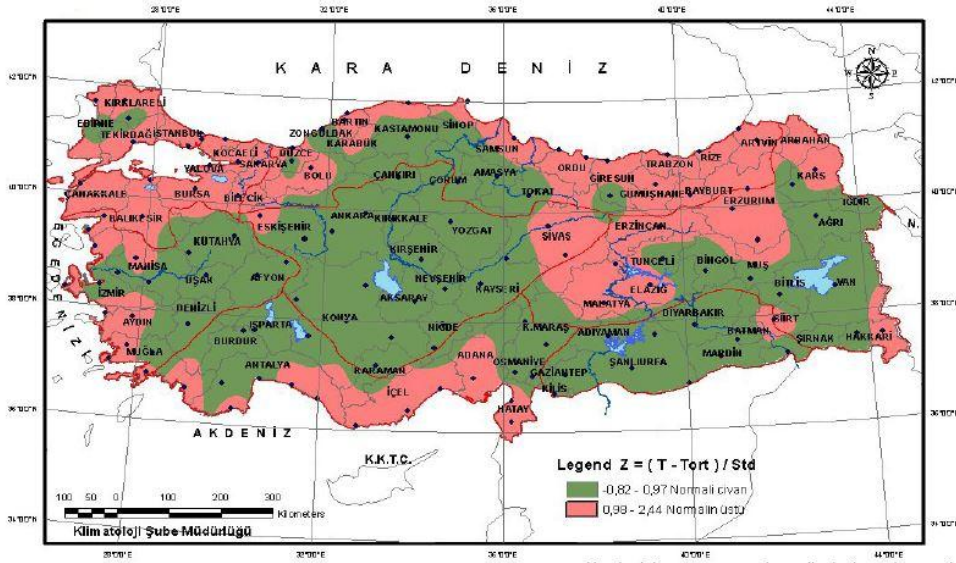
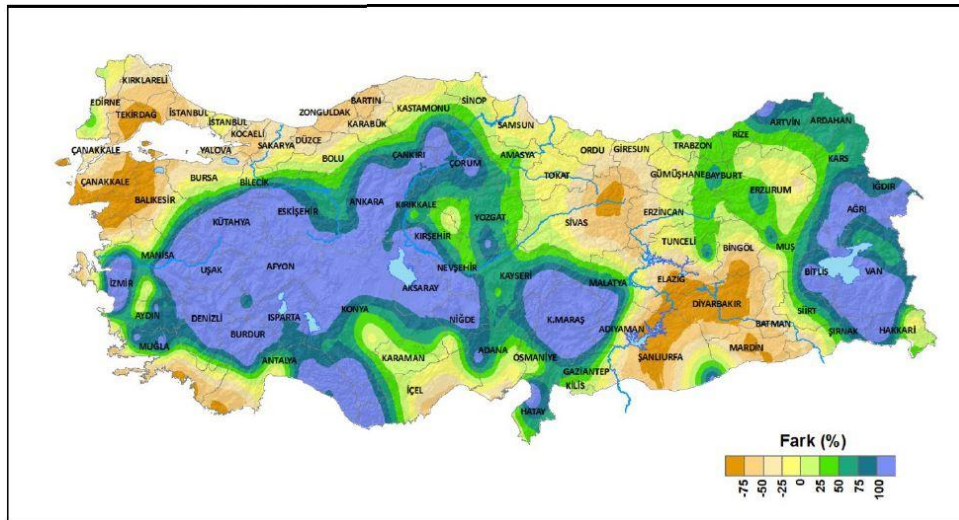


Figure 5. August 2015 Mean Temperature Anomalies

Total mean precipitation was higher than normal and also August 2014 precipitation. August mean precipitation is 22.1mm, August precipitation normal is 13.9mm and August 2014 mean precipitation is 20,1mm. It was observed that August 2015 precipitation was % 59,3 higher than normal and % 9,8 higher than the precipitation of August 2014.



3. Verification of the SEECOF-13 climate outlook for the 2015 summer season:

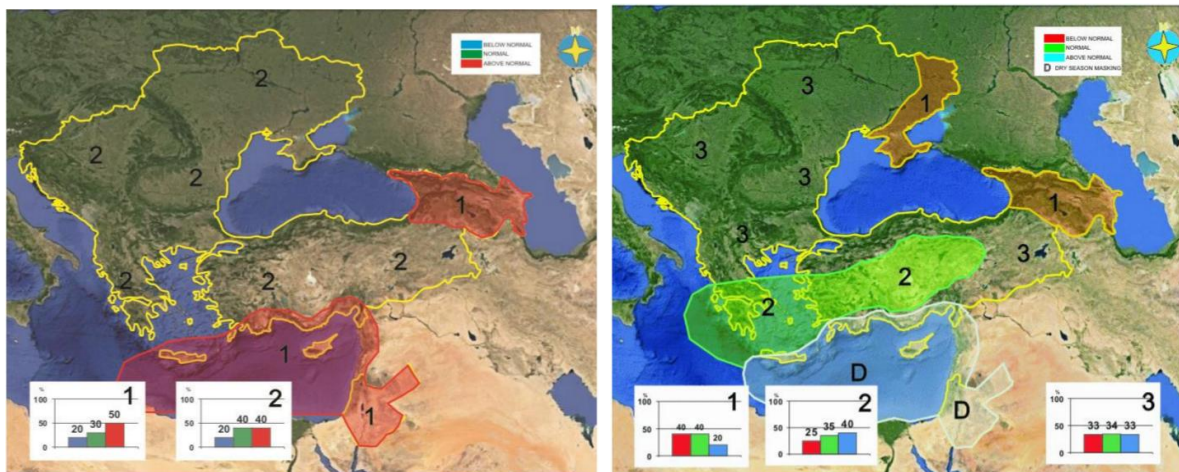


Figure 7-8. Graphical presentation of 2015 summer temperature and precipitation outlook of SEECOF

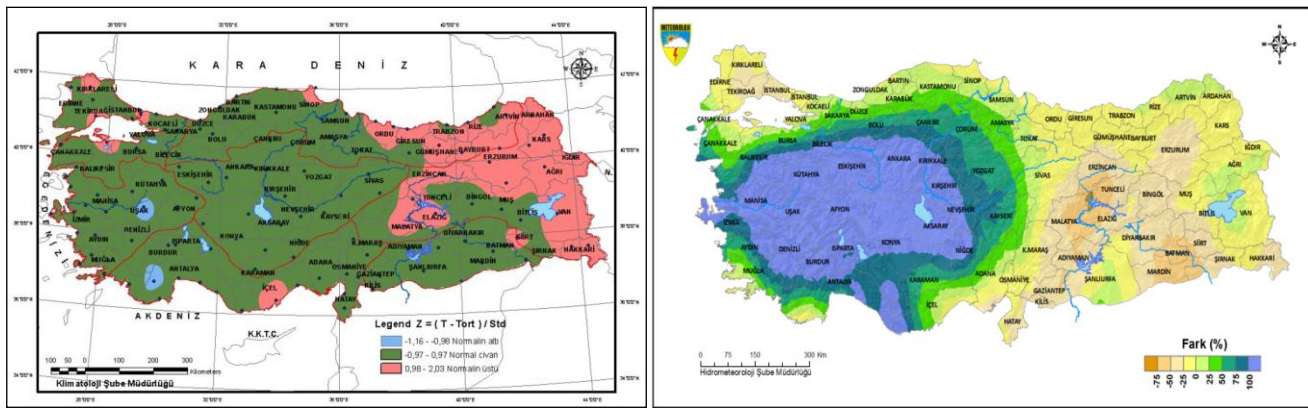


Figure 9-10. 2015 Summer Season Mean Temperature and Precipitation Anomaly of Turkey

Country	Seasonal temperature JJA15		Seasonal precipitation JJA15		High Impact Events
	Observed	SEECOF-13 climate outlook for temperature	Observed	SEECOF-13 climate outlook for precipitation	
Turkey	Normal to above normal (South east part of the country had above normal temperatures. Other parts of the country had around normal temperatures.)	20% below normal, 40% around normal, 40% above normal (in all of the country except south coast line) 50% above normal, 30% around normal, 20% below normal (in south coast)	Above normal (significantly in the western part)	25% below normal, 35% around normal and 40% above normal (in the west part of the country except the coast line) No clear signal (for the east and coastal part)	<p>In June, heavy rain observed in İstanbul, Düzce, Karabük, Bolu, Ankara, Kırıkkale and in some cities of Northwest of the country. As a result flood occurred and traffic was affected. Also hail was observed in Ankara and Kayseri, damage occurred on vehicles.</p> <p>In July, heavy rain was observed in the Northwest, transportation was badly affected.</p> <p>In August, in Artvin Hopa flood occurred as a result of heavy rain. 8 people lost their lives, 17 people were injured, and transportation was affected.</p>