

Country: Turkey

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Assessment of the seasonal forecast for the winter season

DJF 2015-2016

1. SEECOF-14 Climate outlook for 2015-2016 winter season:

According to SEECOF-14 consensus statement, in 2015 -2016 winter season, temperature was expected to be above normal or around normal mostly. For precipitation there was no significant signals.

2. Analysis of the 2015 – 2016 winter season:

Temperature of December 2015

Temperature of December 2015 was lower than normal in the central part country, around the regions of Antalya, it was above normal. For the other parts of the country temperature was around normal. Lowest temperature for December 2016 was observed as $-10,4^{\circ}\text{C}$ in Ağrı, the highest temperature was observed in Alanya as $14,6^{\circ}\text{C}$.



2015 ARALIK AYI ORTALAMA SICAKLIK ANOMALİLERİ HARİTASI

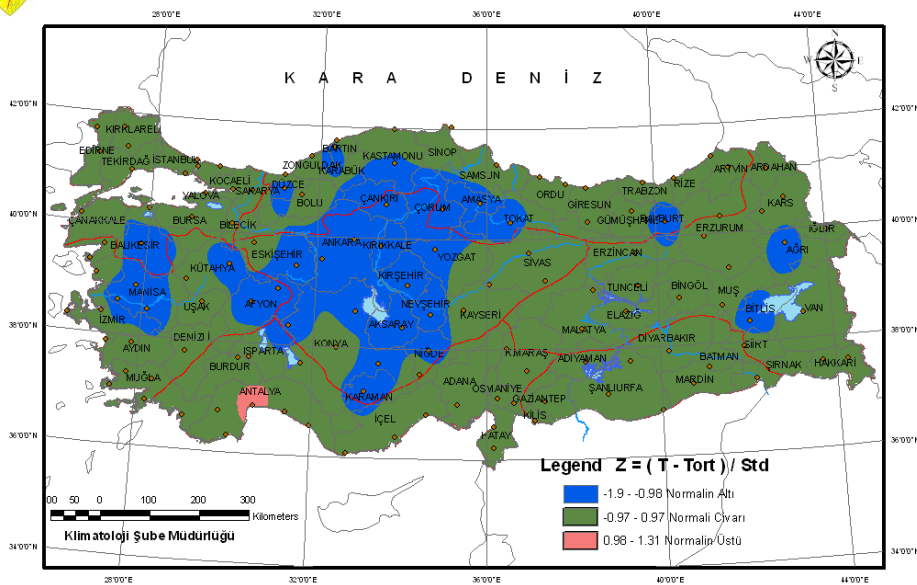


Figure 1. December-2015 Mean Temperature Anomalies

Precipitation of December 2015

December 2016 precipitation was less than the year before. December mean precipitation is 22,9 mm, precipitation normals is 78,3 mm and December 2014 mean precipitation is 83,7 mm. Accordingly, precipitation was less than normals by %70.8; less than December 2014 by %72,7.



Figure 2. December-2015 Precipitation Anomalies

Temperature of January 2016

In January 2016, mean temperature values were above normal around the regions of Ardahan and Milas, below normal around Bitlis and around normal in the other parts of the country. The lowest and highest temperatures observed in January 2016 were -8,7°C in Ağrı and 11,8°C in Alanya.

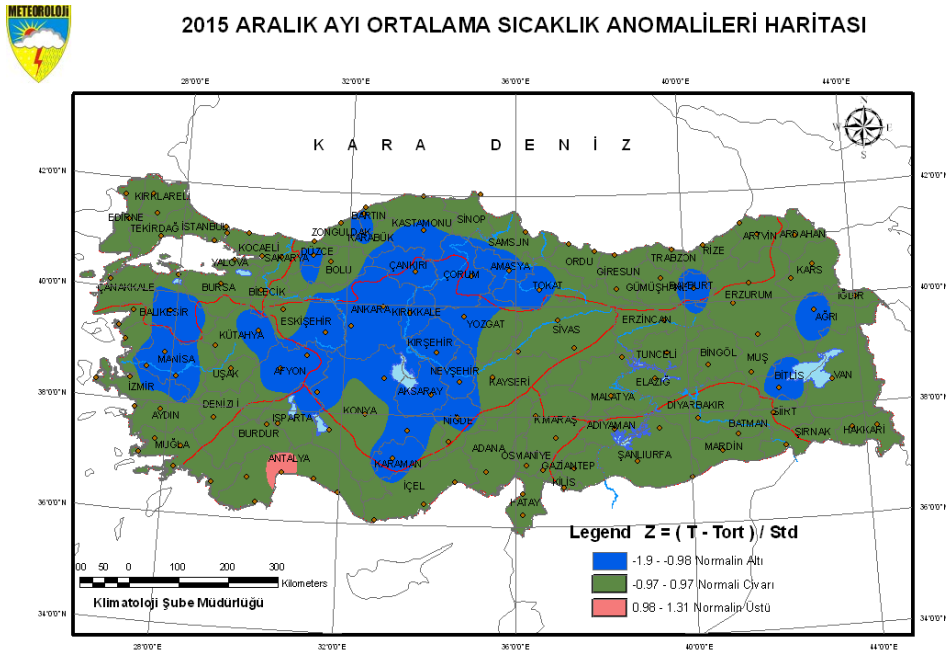


Figure 3. January-2016 Mean Temperature Anomalies

Precipitation of January 2016

January 2016 precipitation was higher than normals and last year's precipitation. January mean precipitation is 114,1 mm, January precipitation normal is 67,3 mm and January 2015 precipitation is 84,9 mm. January 2015 precipitation became higher than normals by 69,4 % and higher than last year's by 34,4%.



Figure 4. January-2016 Precipitation Anomalies

Temperature of February 2016

Mean temperature of February 2016 was above normals in Kangal, Erzincan, Muş and Bitlis, in the other parts of the country temperatures were above normal. Lowest mean temperature of February was -5,2°C in Ağrı, and the highest mean temperature was 15,6°C in İskenderun.

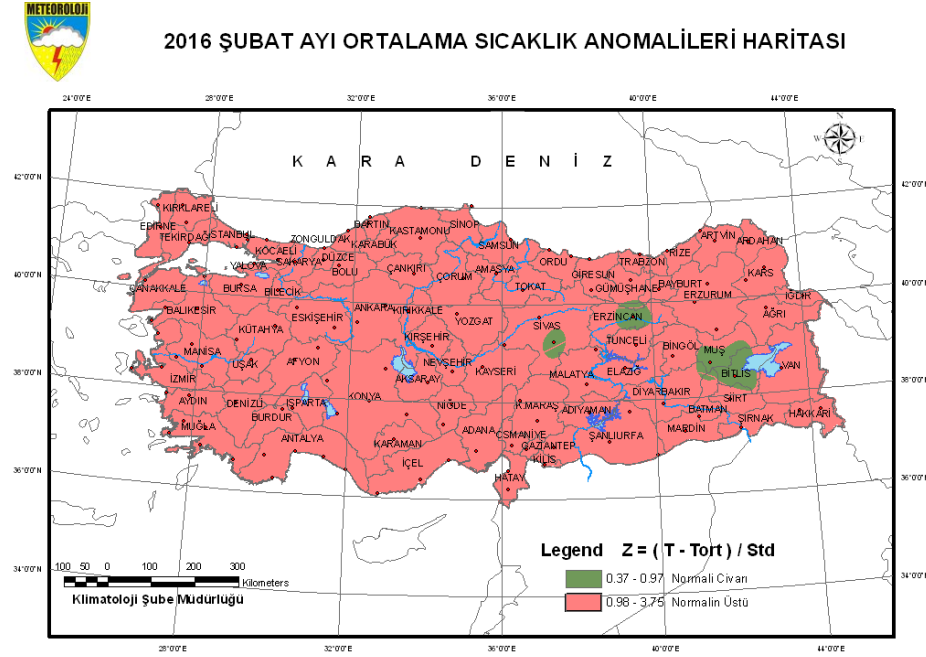


Figure 5. February-2016 Mean Temperature Anomalies

Precipitation of February 2016

Precipitation of February 2016 was less than normal and also than February 2015. February mean precipitation is 47,3 mm, February normal is 62,9 mm and February 2015 precipitation is 73,8 mm. This year, precipitation was less than its normal by 24,7%; less than February 2015 precipitation by %35,9.

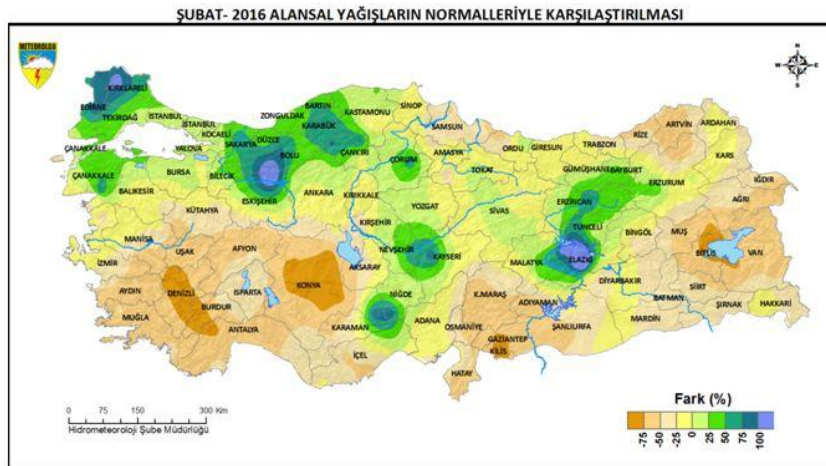


Figure 6. February-2016 Precipitation Anomalies

3. Verification of the SEECOF-14 climate outlook for 2015-2016 winter season:

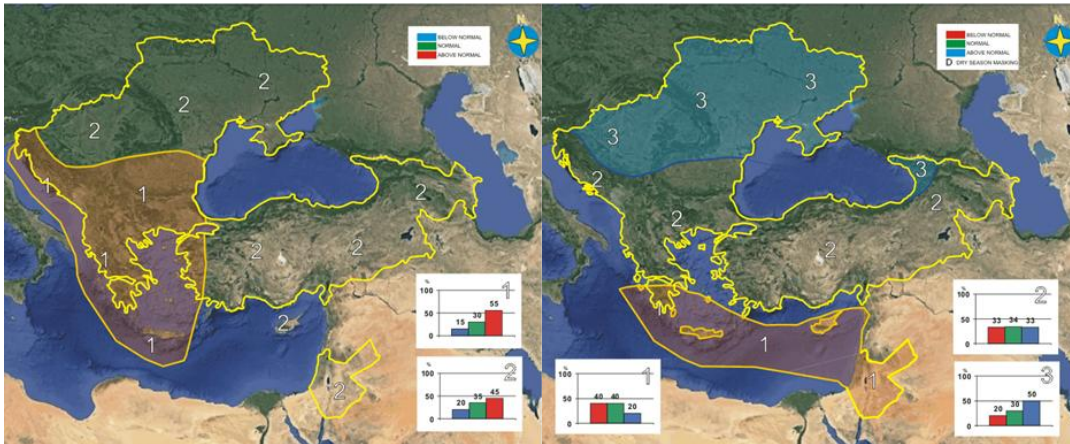


Figure 7-8. Graphical Presentation of 2015-2016 Winter Season Temperature and Precipitation Outlook

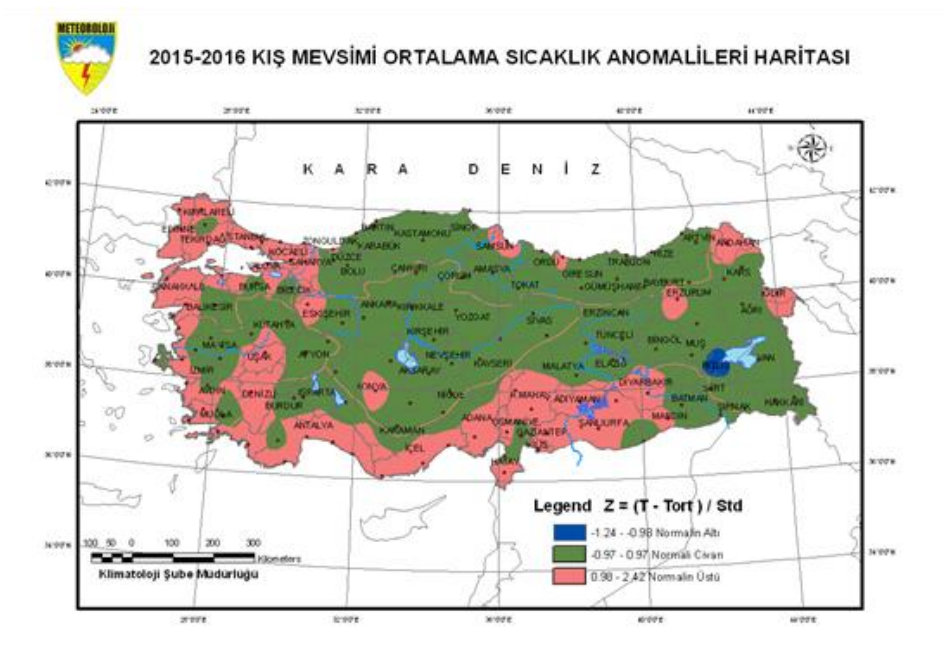


Figure 9. 2015-2016 Winter Season Mean Temperature Anomaly of Turkey

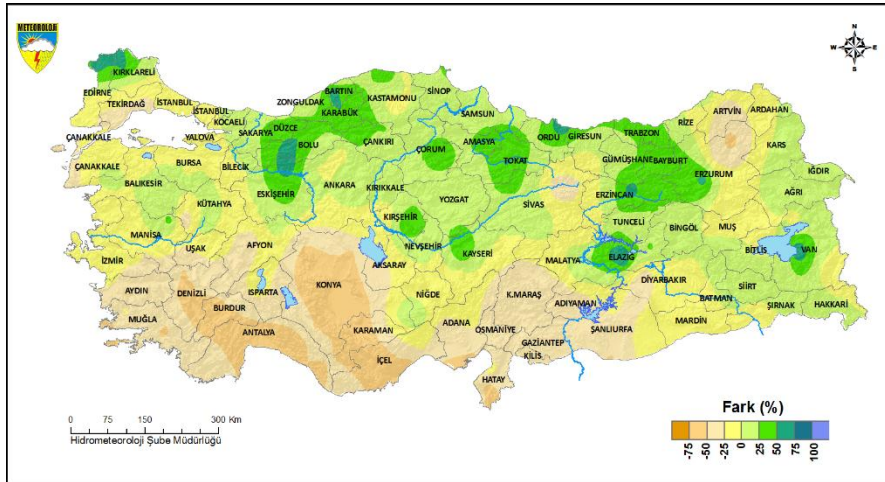


Figure 10. 2015-2016 Winter Season Precipitation Anomaly of Turkey

Country	Seasonal temperature DJF		Seasonal precipitation DJF		High Impact Events
	Observed	SEECOF-14 climate outlook for temperature	Observed	SEECOF-14 climate outlook for precipitation	
Turkey	Normal to above normal (Above normal in the west and coastal part.)	15% below normal, 30% around normal, 55% above normal (for west coast) 20% below normal, 35% around normal, 45% above normal	Above normal (mostly in the northern areas) Below normal (in the south)	33% below normal, 34% around normal and 33% above normal	In December 2015, transportation was affected by frosts, snowfall and storms in zonguldak, İnebolu, Sinop and Konya. Four people were injured due to difficulties transportation. In January 2016, agricultural damage occurred in Mersin due to frost. In Hakkari, avalanche occurred and transportation affected. In Aydın, flood occurred due to heavy rainfall. And storm affected transportation in Samsun, Ordu and Antalya. In February 2016, flood occurred in Bartın, Sinop and Mersin. Heavy storms affected sea transportation in Çanakkale and İstanbul. In İstanbul, five people were injured during storm.