

Seasonal prediction for JJA for Armenia

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For seasonal forecast in Armenia in recent years, we use the ECMWF and the Met Office forecasts and making some climatological analysis we issue the forecast:

For the summer 2010 studying the warmest winters (one of them in this year) and a number of summers following 10 warmest winters we noted that among this summers in Armenia there is no summer with significant deviation of temperature in compare with the normal.

During this all summers the temperature was near the normal with small positive deviation (above normal). The precipitation amount was too less than normal in Ararat valley and Suniq region, near the normal with negative deviation in northern part of Armenia, Spring of 1963 (one of this 10 warmest years) was very wet in whole Armenia as well as in this spring.

Of course there is necessity to make more detailed analyze of pressure and global circulation to be done as a next step.

So for now comparing climate data of this summers with seasonal forecast (results are agree, except forecast of HydroMetCentre of Russia) you provide it seems that monthly mean temperature of summer in Armenia (Caucasus region) will be near the normal with small positive deviation, precipitation amount less than normal.

Insight into more extreme scenarios:

Possibility of hot wave is small: for about 5-7 day period (we expect mainly zonal circulation), but convective initiating heavy rain, thunderstorm, hailstorm, strong wind are possible.