Climate Watch (Serial No.: 20150713 – 00)

Initial/Updated/Final

Topic: precipitation
Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 13-7-2015 12:00 P.M.

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Valid from – to: 13-7-2015 – 26-7-2015 Next amendment: 20-7-2015

Region of concern: Balkans, Romania, Ukraine, Turkey, Aegean Sea

„ In the period from July 13th to 19th, 2015, above normal mean monthly air temperature is predicted for most part of the Balkans and western Romania, with anomaly up to +3°C. Below normal mean weekly air temperature, with anomaly up to -3°C, is expected in easternmost Romania, eastern Bulgaria, most of Ukraine, Aegean Sea and most of Turkey. Probability for exceeding upper/lower tercile is up to 90%. Precipitation deficit is forecasted for most part of the SEE region. Probability for exceeding lower tercile is up to 80%. “

Monitoring

In the period from July 5th to 11th 2015 above normal air temperature[1] with anomaly up to +3°C was observed over most of the Balkans, some parts of Romania and most of Turkey, while air temperature anomaly in Moldova, western Croatia, western Bosnia and Herzegovina most of Romania, Armenia and Azerbaijan reached +5°C. Weekly precipitation sums were below 25 mm in the whole SEE region.

[1] Reference climatological period is the 1981-2010 period

Outlook

Within the first week (July 13th to 19th, 2015), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly up to +3°C, in most part of the Balkans and western Romania. Below normal mean weekly air temperature, with anomaly up to -3°C, is expected in easternmost Romania, eastern Bulgaria, most of Ukraine, Aegean Sea and most of Turkey. Probability for exceeding upper/lower tercile is up to 90%. Precipitation deficit is forecasted for most part of the SEE region. Probability for exceeding lower tercile is up to 80%.

During the second week (July 20th to 26th, 2015), above normal mean weekly air temperature, with anomaly up to +2°C, is expected in eastern Turkey and most part of south Caucasus, while below normal mean weekly air temperature, with anomaly up to -2°C, is forecasted for eastern Romania, most part of Bulgaria, Greece, southeastern Ukraine and western Turkey. Probability for exceeding upper/lower tercile is up to 80%. Precipitation surplus is expected over Adriatic, Ionian and Aegean Sea, most part of Bulgaria, southwestern Romania, western and central Turkey. Precipitation deficit is predicted for most part of Ukraine, northern Moldova, northern Romania and central Turkey. Probability for exceeding upper/lower tercile is expected with less confidence.

In the period from July 13th to August 9th, 2015, above normal mean monthly air temperature is predicted for most part of the Balkans, northern and western Romania, northern Moldova, western Ukraine and eastern Turkey, with anomaly up to +2°C, while below normal mean monthly air temperature is expected in southwestern Turkey and over Aegean Sea, with anomaly up to -2°C. Probability for exceeding upper/lower tercile is around 80%. Monthly precipitation surplus is expected over Ionian Sea, while precipitation deficit is predicted for southern Greece, eastern part of Balkans, northern Moldova, most of Romania, Turkey and Cyprus, with less probability for exceeding upper/lower tercile.

During the following three months (July, August and September) SEEVCCC seasonal forecast predicts above normal seasonal air temperature for most of the Balkans, Moldova, Romania and Ukraine. Below normal seasonal air temperature is expected in the Middle East, most part of Turkey and Armenia. Precipitation surplus is predicted in mountainous regions of central Romania, central Bulgaria, most of Turkey, south Caucasus and the Middle East, while precipitation deficit is expected over the Pannonian Plain, most of Moldova, Ukraine and coastal areas of Adriatic, Ionian, Aegean, Black and Mediterranean Seas.

Update

An updated statement will be issued on 20-7-2015

For further information please contact cws-seevccc@hidmet.gov.rs

ANNEX

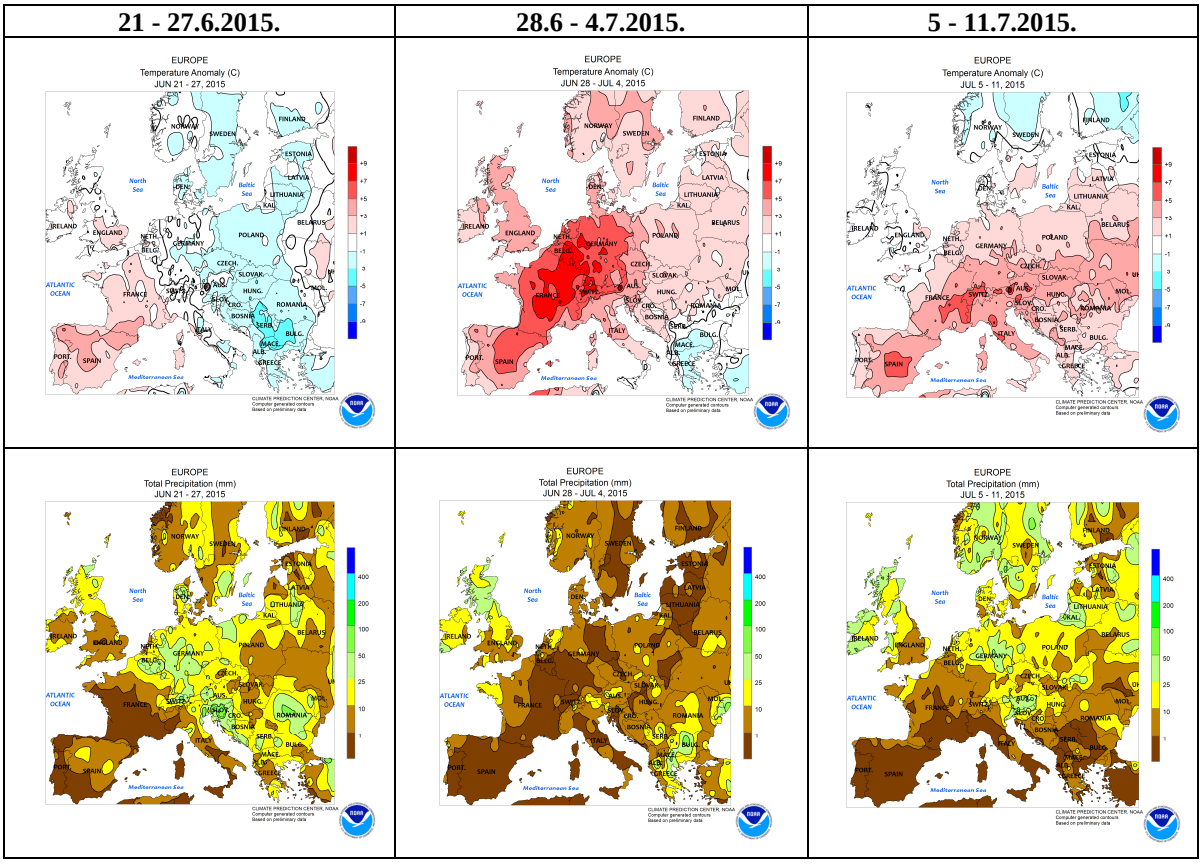

Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

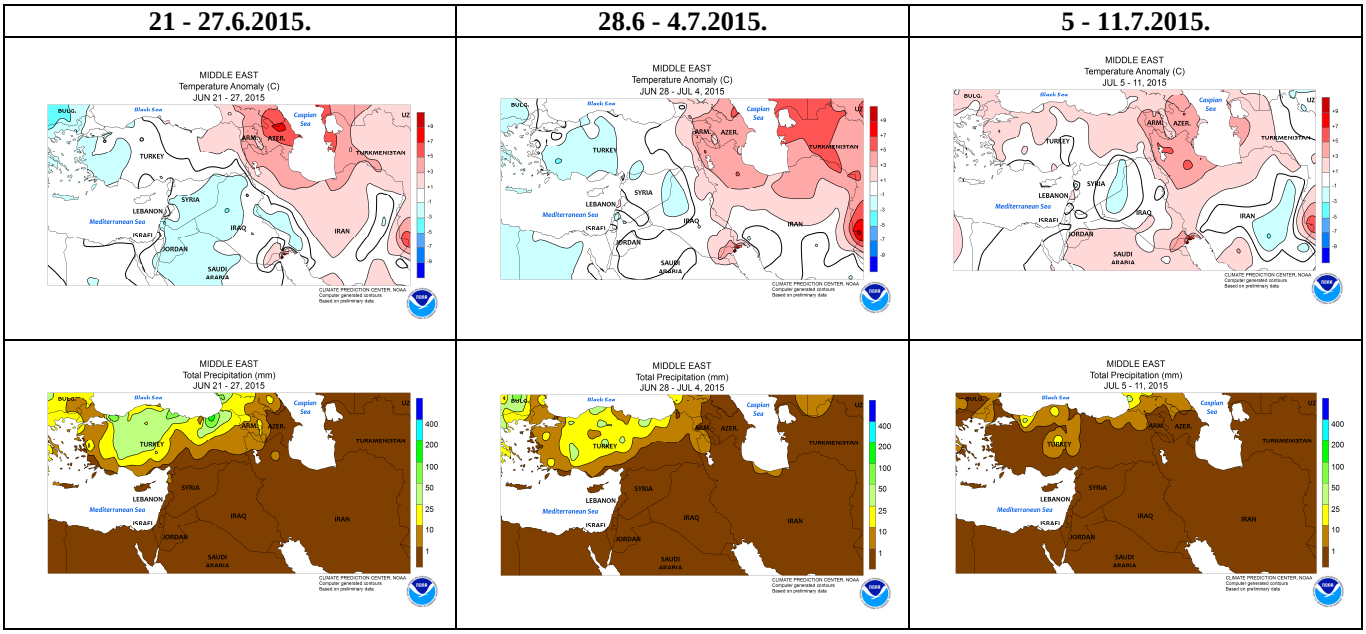

Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

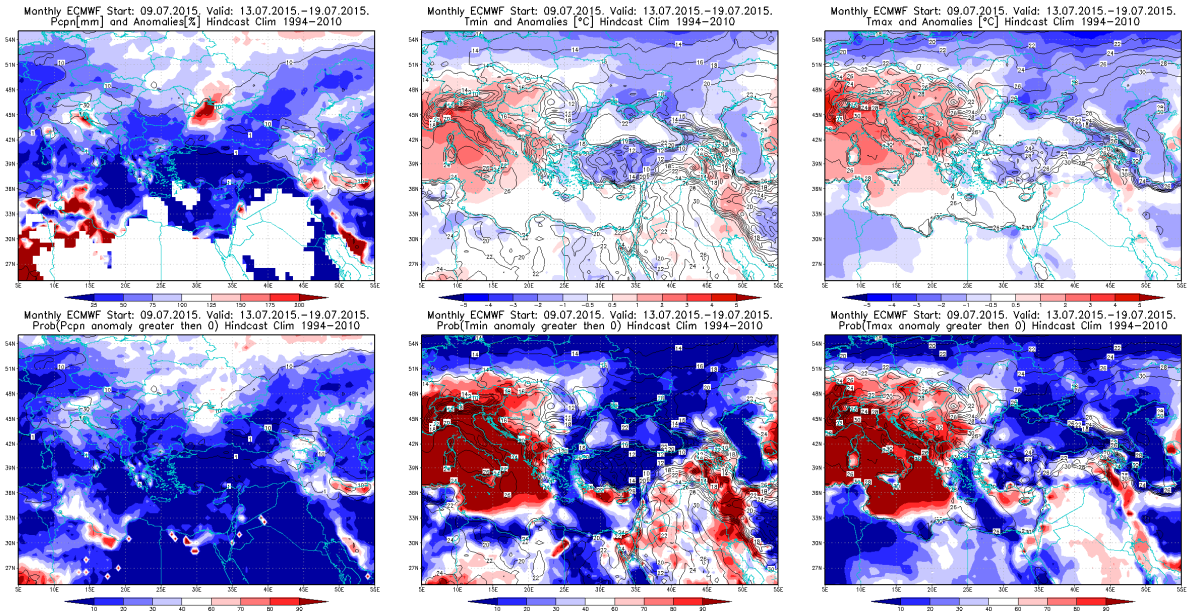

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 13.7 – 19.7.2015 period

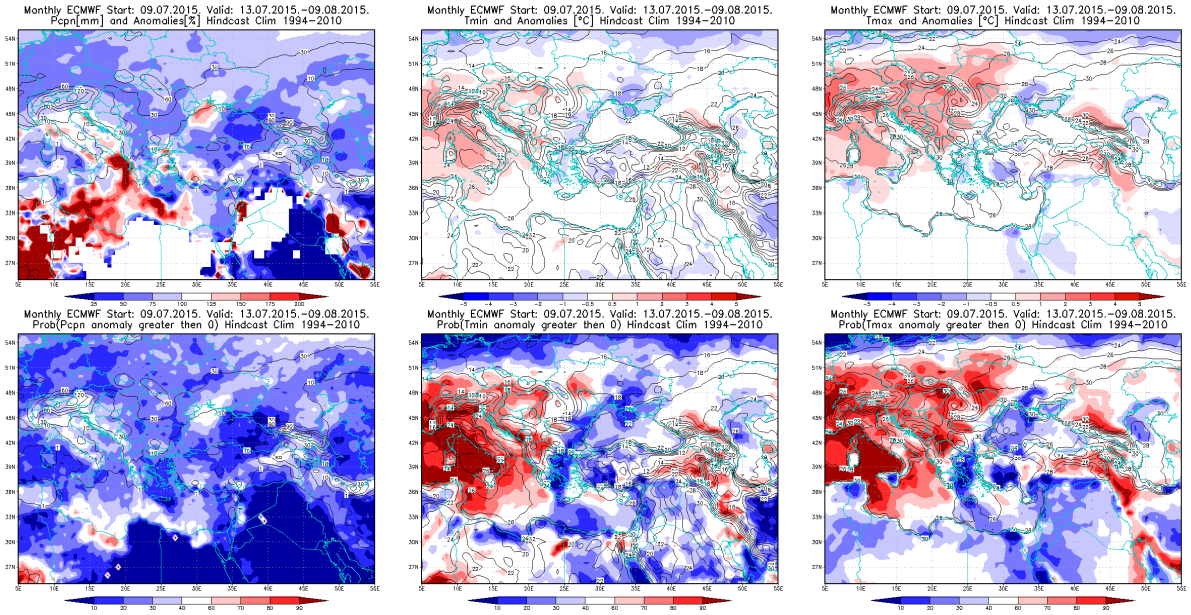

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 13.7 – 9.8.2015 period

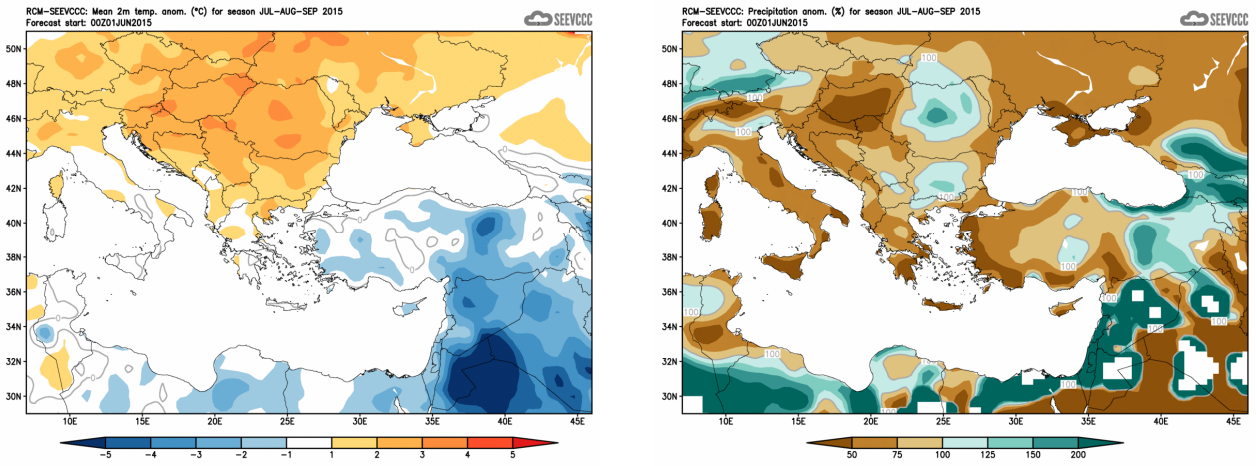

Figure 5. Mean seasonal temperature and precipitation anomaly for the season JAS (seasonal outlook from RCM – SEEVCCC)

Sources

- Republic Hydrometeorological Service of Serbia (www.hidmet.gov.rs)
- South East European Virtual Climate Change Center (www.seevccc.rs)
- European Center for Medium-range Weather Forecasts (http://www.ecmwf.int/)
- Climate Prediction Center USA (http://www.cpc.ncep.noaa.gov/)
- Deutscher Wetterdienst (http://www.dwd.de/)