Climate Watch (Serial No.: 20150803 – 00)

Initial/Updated/Final

Topic: precipitation
Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 3-8-2015 12:00 P.M.

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Valid from – to: 3-8-2015 – 16-8-2015 Next amendment: 10-8-2015

Region of concern: SEE region

„ In the period from August 3rd to 9th, 2015, above normal mean weekly air temperature, with anomaly up to +4°C is predicted for most part of the SEE region with around 90% probability for exceeding upper tercile. Precipitation deficit is forecasted for most part of the SEE region. Precipitation surplus is expected in part of western and southern Turkey, most of Cyprus, western Greece, southern Albania and western fYR Macedonia with around 80% probability for exceeding lower/upper tercile. "

Monitoring

In the period from July 26th to August 1st 2015 above normal air temperature[1] with anomaly up to +5°C was observed over most part of the SEE region. Below normal air temperature with anomaly up to -3°C was recorded in Croatia. Weekly precipitation sums were below 25 mm in most part of the SEE region, beside in most of Croatia and central Romania where they reached up to 50 mm.

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

Outlook

Within the first week (August 3rd to 9th, 2015), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly up to +4°C in most part of the SEE region with around 90% probability for exceeding upper tercile. Precipitation deficit is forecasted for most part of the SEE region. Precipitation surplus is expected in part of western and southern Turkey, most of Cyprus, western Greece, southern Albania and western fYR Macedonia with around 80% probability for exceeding lower/upper tercile.

During the second week (August 10th to 16th, 2015), above normal mean weekly air temperature, with anomaly up to +3°C, is expected in most part of the SEE region with around 80% probability for exceeding upper tercile. Precipitation surplus is expected over southern Adriatic, Ionian Sea, southern and westernmost Turkey. Precipitation deficit is forecasted for most of the Balkans, most of Aegean Sea, Moldova, Romania, Ukraine, eastern Turkey and south Caucasus. These events are expected with less probability.

In the period from August 3rd to 30th, 2015, above normal mean monthly air temperature is predicted for most part of the SEE region, with anomaly up to +3°C and with up to 90% probability for exceeding upper tercile. Monthly precipitation surplus is expected in most part of Turkey, Cyprus, Adriatic, Ionian and Aegean coast. Precipitation deficit is forecasted for northern Balkans, Romania, Moldova, Ukraine and eastern part of south Caucasus. Probability for exceeding upper/lower tercile is up to 80%.

During the following three months (August, September and October) SEEVCCC seasonal forecast predicts above normal seasonal air temperature in northern and central part of the Balkans. Below normal seasonal air temperature is expected in most part of Turkey and Armenia. Precipitation surplus is predicted in mountainous regions of central Romania, southern Bulgaria, northern Greece, most of Turkey and south Caucasus, while precipitation deficit is expected over most part of the Balkans.

Update

An updated statement will be issued on 10-8-2015

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

ANNEX

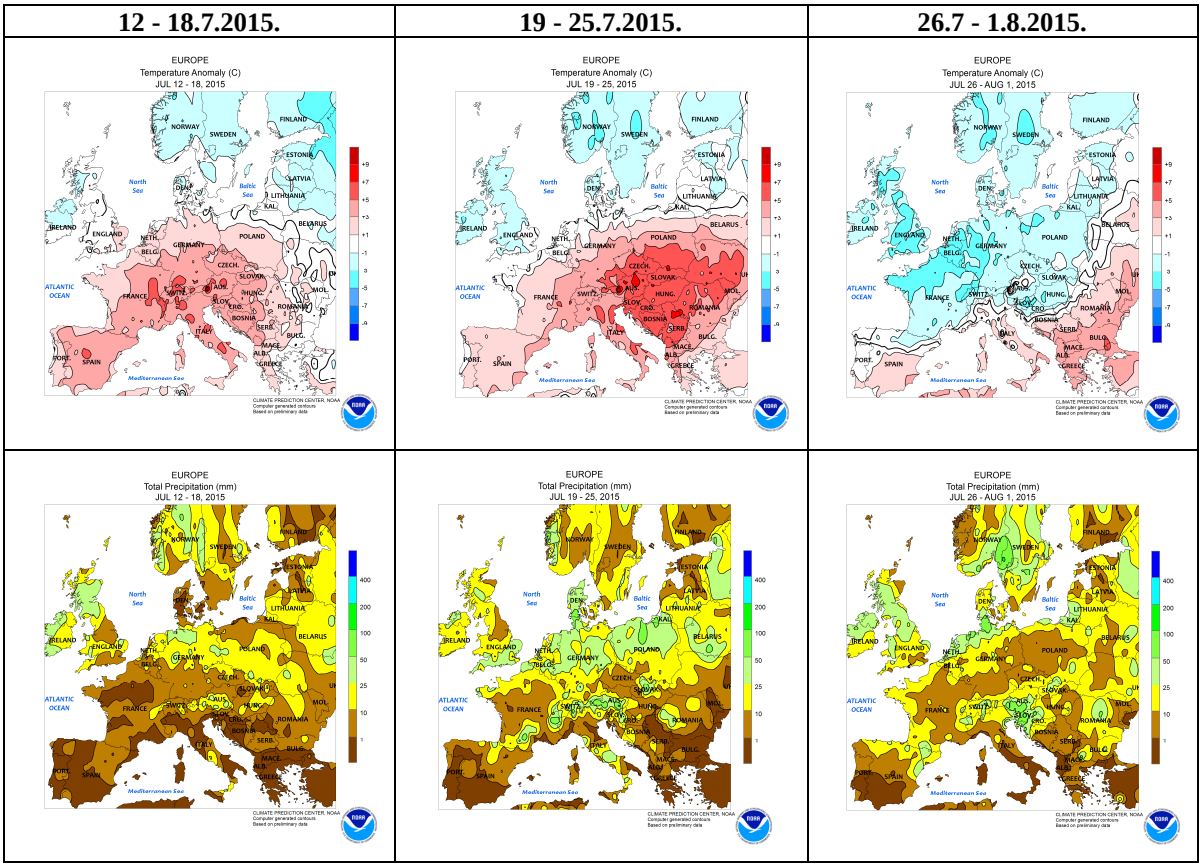

Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

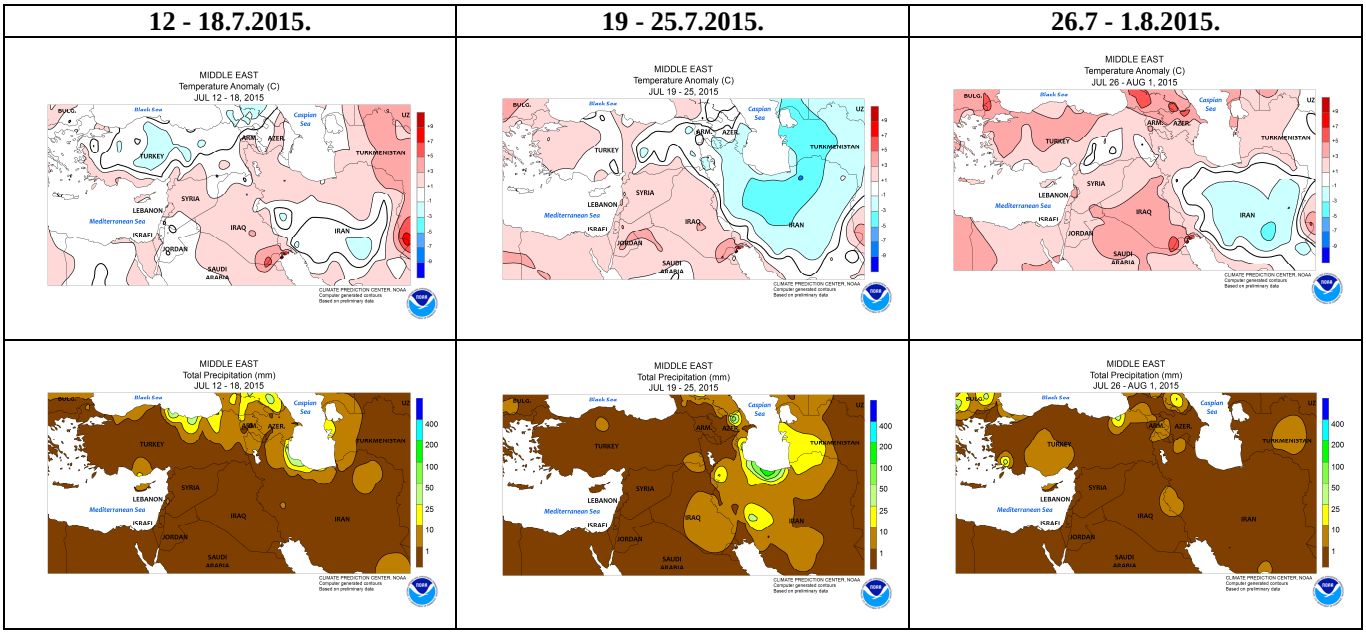

Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

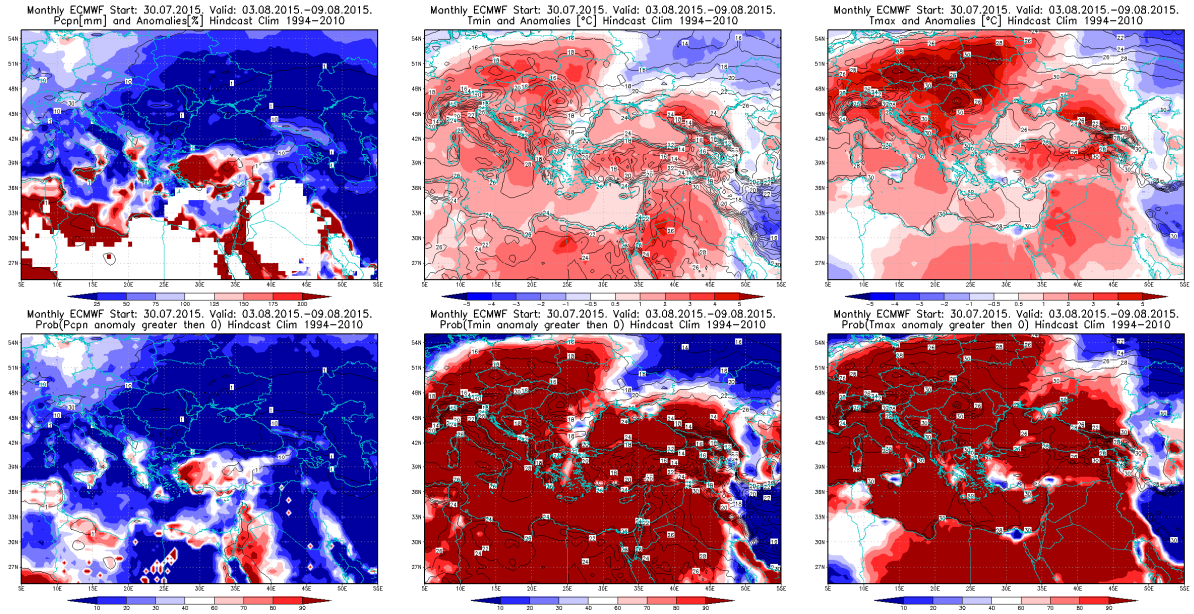

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 3.8 – 9.8.2015 period

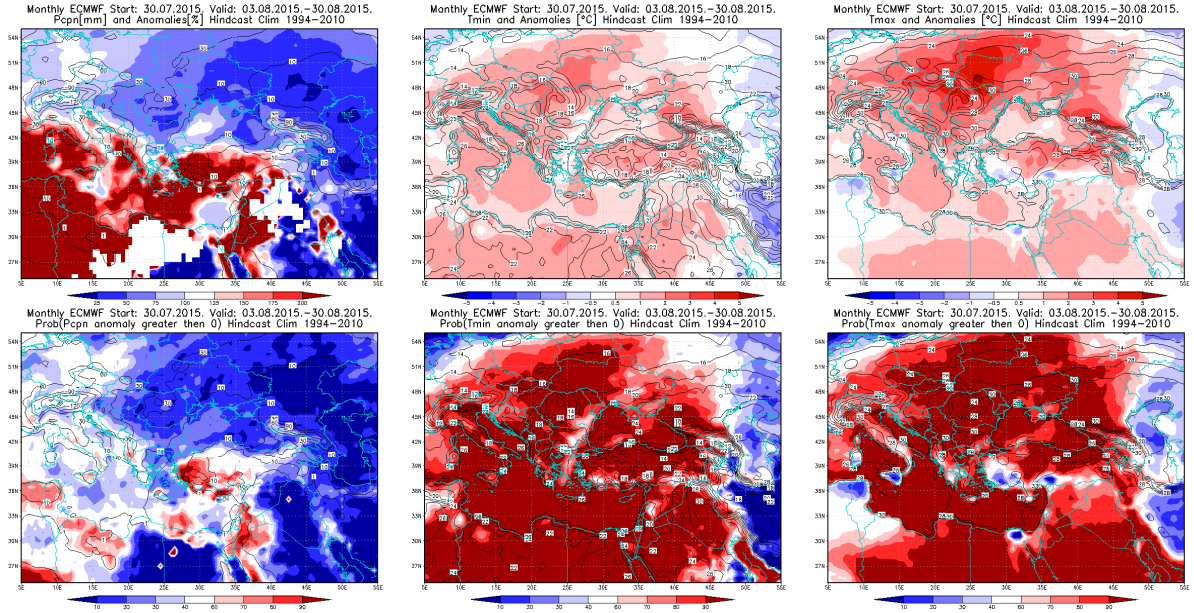

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 3.8 – 30.8.2015 period

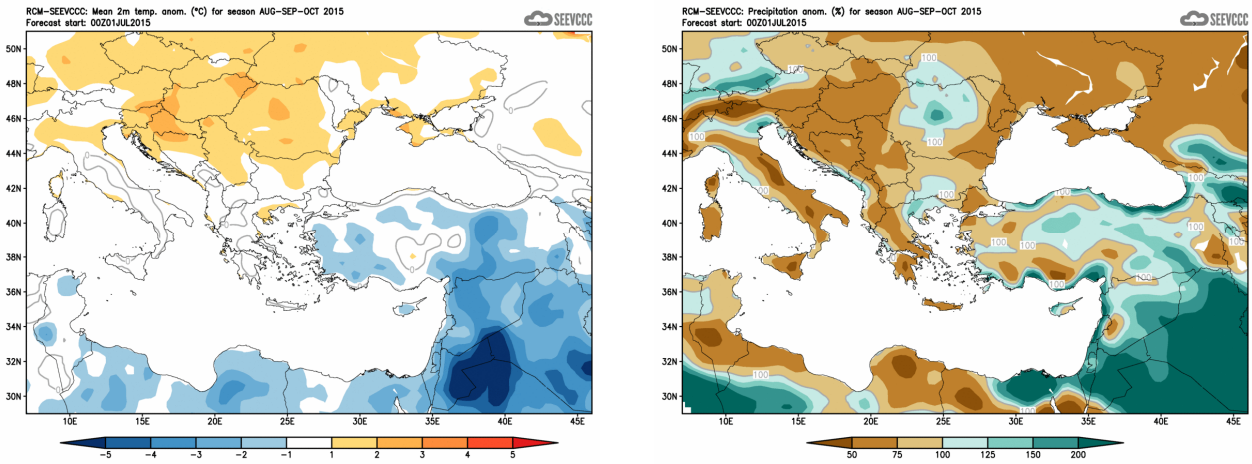

Figure 5. Mean seasonal temperature and precipitation anomaly for the season ASO (seasonal outlook from RCM – SEEVCCC)

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/)