

Extraordinary Droughts During the 12-months Warm Period

Marina MILETA

Meteorological and Hydrological Service, Grič 3, 10000 Zagreb, Croatia
(e-mail: mileta@cirus.dhz.hr)

Abstract

Twelve months (September 2006-August 2007) lasted the period with warmer monthly temperature in comparison to the average. This period was often very dry. The drought occurred in autumn 2006 and in summer 2007 in the southern part of the country. According to the meteorological data from Dubrovnik the total autumn precipitation amount (September, October, November) was 139 mm or 37% of the normal. It was the driest autumn ever recorded in Dubrovnik. The total summer precipitation amount in 2007 was 14.7 mm and this is only 9% of the normal. The monthly precipitation amounts in June, July and August were 13.4 mm, 0.0 mm and 1.3 mm, respectively. It was the driest summer in Dubrovnik ever measured. Very dry occurred also in other parts of Dalmatia, in Zadar and on the islands Hvar and Lastovo. On the monthly scale during the observed period, April 2007 was absolutely the driest April ever measured in the most of Croatia. In the middle and southern part of Dalmatia the lack of precipitation was not so significant as in other parts of the country.

Key words: drought, precipitation, Dubrovnik, Hrvatska

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Nezapamćene suše tijekom dvanaestomjesečnog toplog razdoblja

Marina MILETA

Državni hidrometeorološki zavod, Grič 3, 10000 Zagreb, Hrvatska
(e-mail: mileta@cirus.dhz.hr)

Sažetak

Dvanaest uzastopnih mjeseci (IX. 2006.-IX. 2007.) trajalo je razdoblje u kojem su svi mjeseci bili topliji, a neki i znatno topliji od prosjeka. Tijekom tog razdoblja nezapamćene suše u jesen 2006. te u ljeto 2007. zahvatile su južni dio Jadrana. Jesenske (rujan, listopad, studeni) količine oborine na meteorološkoj postaji Dubrovnik iznosile su 139 mm ili 37% jesenskog prosjeka. Radi se o najsušnijoj jeseni. Količine oborine i tijekom ljeta (lipanj, srpanj, kolovoz) 2007. ponovo su bile rekordno niske. Ljetna (lipanj, srpanj, kolovoz) količina oborine iznosila je svega 9% prosječne količine oborine ili 14.7 mm. Mjesečne količine oborine iznosile su u lipnju 13.4 mm, srpnju 0.0 mm, te u kolovozu 1.3 mm. I tu se radi o najmanjoj zabilježenoj količini oborine. Vrlo sušno bilo je i drugdje u Dalmaciji, kao u Zadru te na otocima Hvar i Lastovo. Osim jeseni 2006. i ljeta 2007. treba spomenuti i travanj 2007. koji je na mjesečnoj skali bio najsušniji travanj ikad zabilježen gotovo u čitavoj zemlji. Travanjska nezapamćena suša koja je zahvatila Hrvatsku najmanje je bila izražena na području južne i srednje Dalmacije.

Ključne riječi: suša, oborina, Dubrovnik, Hrvatska

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