



The 2014 Silba Precipitation Extreme

Dubravka Rasol (1) and Haraldur Ólafsson (2)

(1) DHMZ, Croatia, (2) Háskóli Íslands & Veðurstofa Íslands

On 30 July 2014 a 24 h precipitation record of 218 mm was set at the island of Silba in the N-Adriatic Sea. The precipitation was of convective nature and significantly less precipitation was recorded only small distances away, at the coast of mainland Croatia.

The event is reproduced numerically and discussed in terms of dynamics and predictability.

On a large scale, the precipitation extreme was associated with a slow-moving upper tropospheric low that formed over the N-Atlantic several days earlier. At lower levels, there were humid mediterranean airmasses. On a smaller scale, there are indications that the extreme convection may have been triggered by an orographic disturbance.