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Elaboration of the Recorded Highest Daily Total Precipitation in Ovacık with ECMWF Products (Antalya, Turkey, 17th of December 2018)

On the 17th of December 2018, excessive rainfall was severe in Ovacık (Kemer) district of Antalya, which caused material damage only. The system was effective especially in western parts of Antalya, while the rainfall amount of 490.8 kg/m² was measured in Ovacık AWOS at 1131 m altitude in between 24 hours. This value has been recorded as the highest daily total value measured in Turkey so far. The previous record was belonging to Marmaris (Muğla) in 1992 with the amount of 466 kg/m². In our study; this extreme event is considered to be elaborated by using ECMWF ensemble products.

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