

ABSTRACT

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Title About tropical-like cyclones in the Mediterranean: the Ionian Sea case of 28-29 September 2018

Abstract About tropical-like cyclones in the Mediterranean: the Ionian Sea case of 28-29 September 2018 Agustí Jansà¹, J. Campins² D. Carrió¹, V. Homar¹, A. Maimó¹, M.A. Picornell², C. Ramis¹ i R. Romero¹ ¹ Universitat de les Illes Balears (UIB), Palma (Spain) ² Spanish State Meteorological Agency (AEMET), Palma (Spain) e-mail: agusti.jansa@gmail.com A brief review about the concept and definition of tropical-like cyclones in the Mediterranean (or medicanes) is presented in this paper, as well as some details related to the observation and prediction of the Ionian Sea case of 28-29 September 2018. This case was quite well predicted by the European Centre deterministic model, although the EPS indicated poor predictability only a few days in advance. The case is clearly baroclinic at the beginning of the cyclone development and the initial satellite images are indicative of deep cyclone, but not the typical shape of a medicane or a genuine tropical cyclone. The contrary occurs with the satellite images during the last phase, when the cyclone is going to touch land in Greece. The traces of the passage of cyclone by the airport of Kalamata (Greece) (sea level pressure and wind) is closely similar to the land registrations of other and clear medicanes.

Key words medicane, ionian sea, predictability, landing