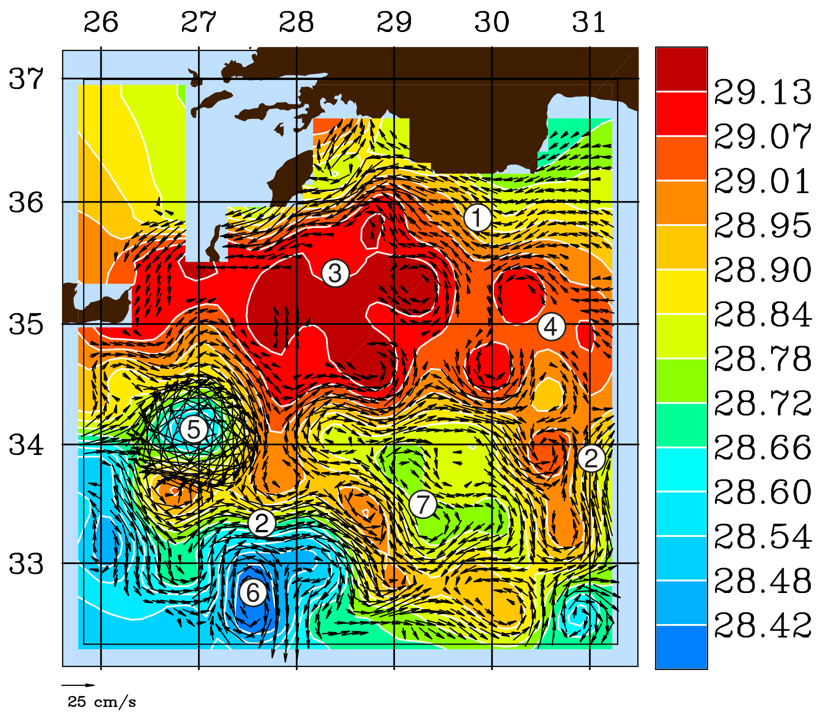

Fig. 1. March 27 analysis (nowcast) for Case 4 (see Sect. 4) of the potential density σ_θ at 105 m, overlaid with the horizontal velocity vectors at 5 m. The analyzed vectors are plotted only if $||\mathbf{u}||$ is larger than 6 cm/s. The numbers identify the location of the main upper-thermocline features: Asia Minor Current (1), Mid-Mediterranean Jet (2), Rhodes Gyre (3), West Cyprus Gyre (4), Ierapetra Eddy (5), a lobe of the Mersa Matruh Gyre (6) and main anticyclone in the Mersa Matruh-Shikmona Gyre complex (7). For the geography and bathymetry, see Fig. 8a of LAL00; for cartoons of the circulation, see Fig. 2 of Robinson and Golnaraghi (1993).