

Figure 1: Estimation of upwelling transport (sverdrup) averaged from November to May over 1985-2005 period computed by the integration of Ekman transport along the boundaries of SMUS region (orange, 12°N-20°N and 16°W-20°W) and estimation computed with the sum of Ekman divergence and Ekman suction (cyan). The left (right) column in black (magenta) correspond to the validation data (Multi-model mean: MMM).

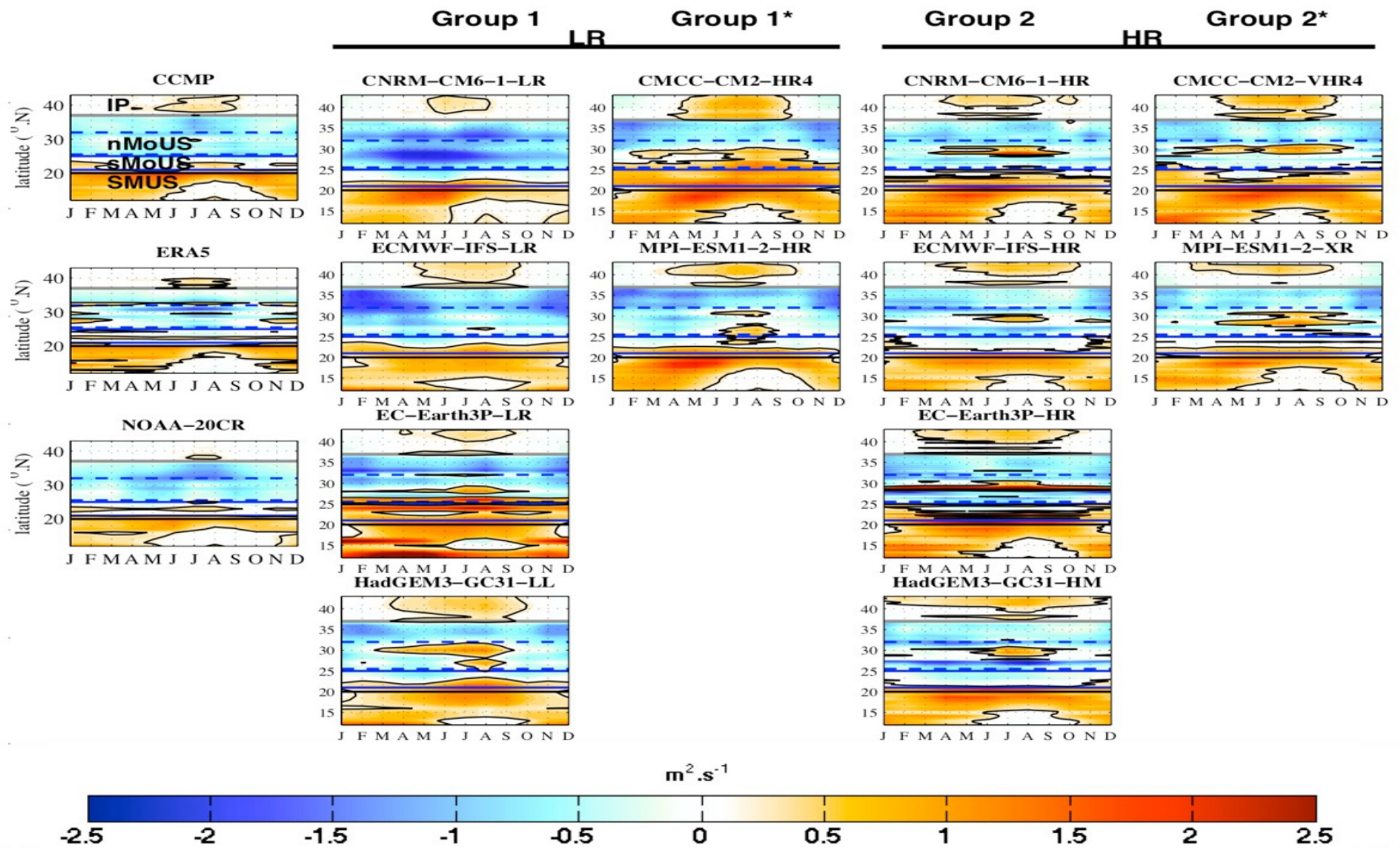


Figure 2: Monthly climatology of the Ekman pumping (m^2s^{-1}) for the period 1985-2014 and shown here as a function of the latitude for several models configurations and reference datasets: ERA5, NOAA-20CR-v3 and CCMP (for the period 1992-2011). Following columns: models from the groups 1, 1*, 2 and 2* respectively. In each panel the black contour shows the contour 0.75 and 0.5. The Ekman pumping over Morocco is here computed in the box defined in Fig. 1 (new version)