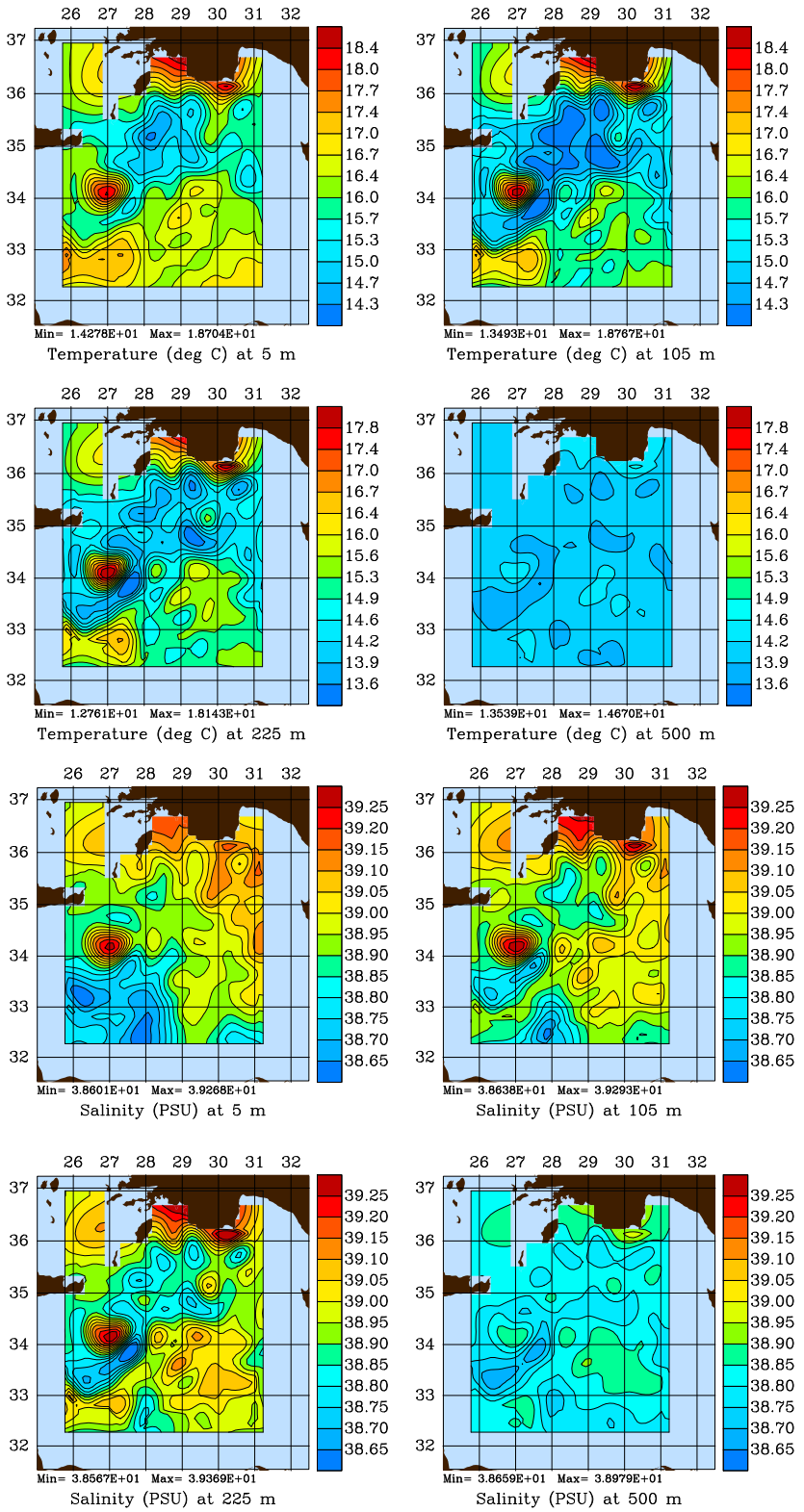

Fig. 13. Mesoscale ($w = 2$) temperature and salinity fields, at 5, 105, 225 and 500 m, as estimated by a multivariate 3D error subspace analysis. The *a priori* estimate $\mathbf{x}^{\mathrm{b}}_{\mathrm{trc}}$ (first-stage analysis) is that shown on Fig. 8. The dominant 500 vectors of $\mathbf{B}_{\mathrm{trc}}$ are used (eq. A16). All scalings are as on Fig. 11.