



Plate 7.1.10 The model-data misfit of absolute sea surface height (in cm) in the constrained MIT model **(a)**. There is a close correlation of the residuals with independent information about the error of the EGM96 geoid model. The difference between the first-guess mean flow field at 575 m depth and that obtained from the constrained model **(b)**. Maximum amplitudes are about 1.2 cm s^{-1} , or a full 30% of the mean.