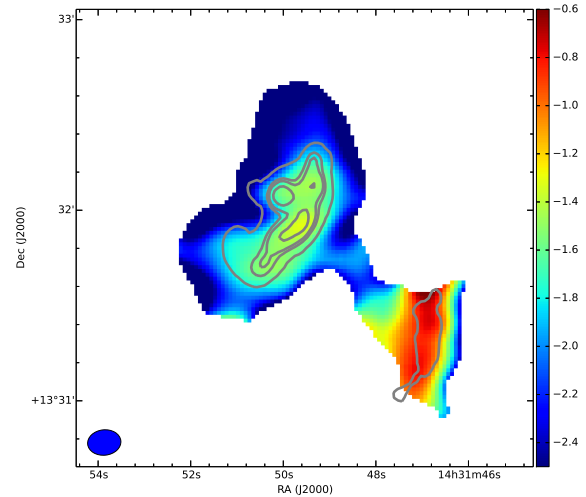
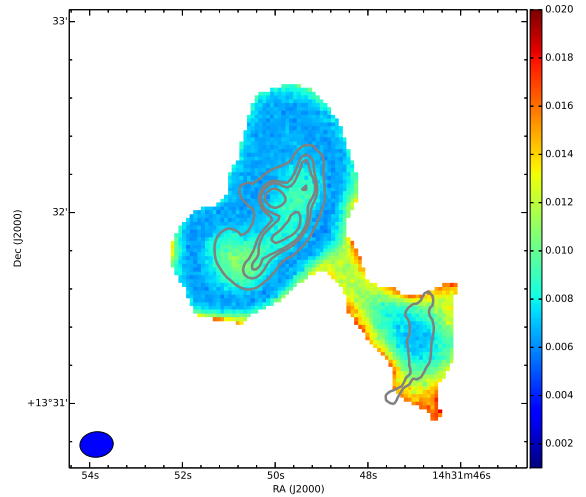
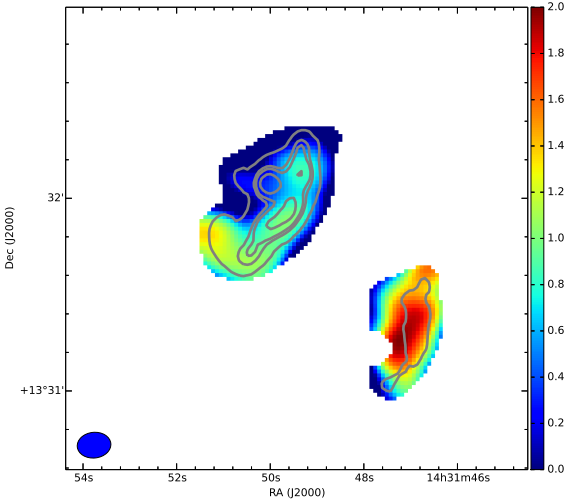


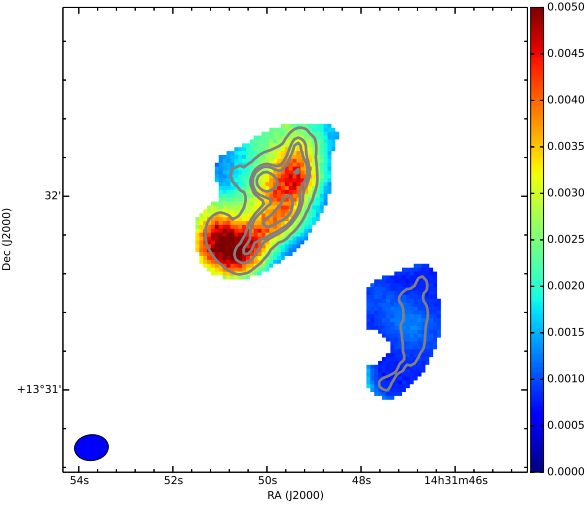
(a) α_{144}^{325} spectral index map of VLSS J1431+1331.



(b) Spectral index error



(c) $\alpha_{144}^{610} - \alpha_{610}^{1425}$ spectral curvature map using LOFAR, GMRT and VLA images.



(d) Spectral curvature error