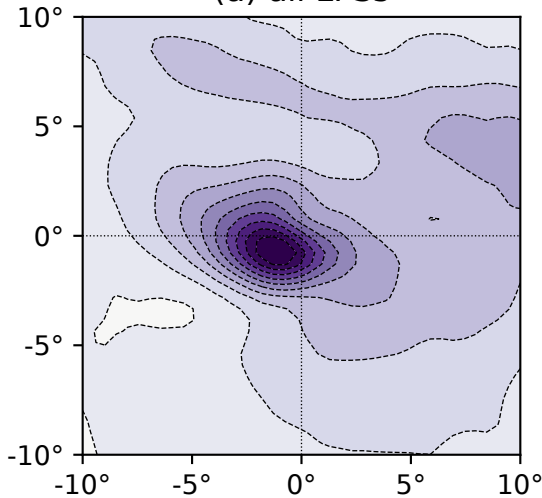
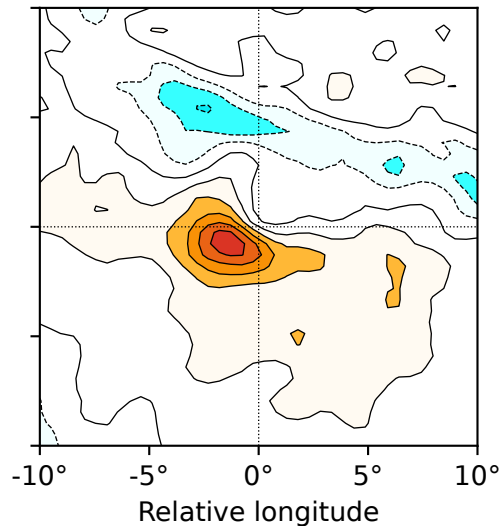


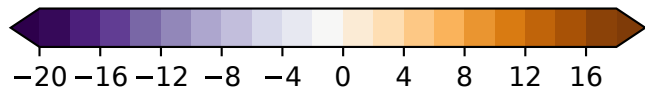
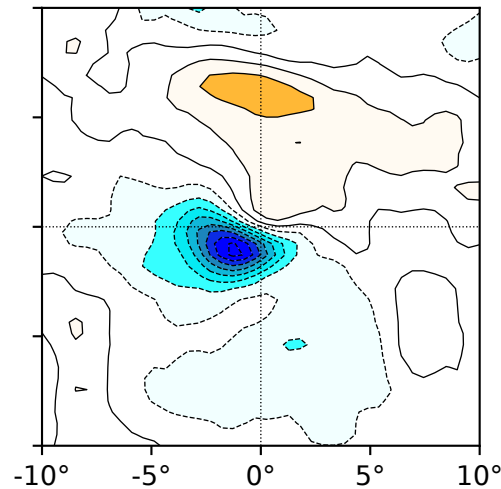
(a) all LPSs



(b) phase 2 (n=829)



(c) phase 5 (n=1502)



Mean 750 hPa  $\omega$  ( $10^{-2} \text{ Pa s}^{-1}$ )



750 hPa  $\omega$  anomaly ( $10^{-2} \text{ Pa s}^{-1}$ )