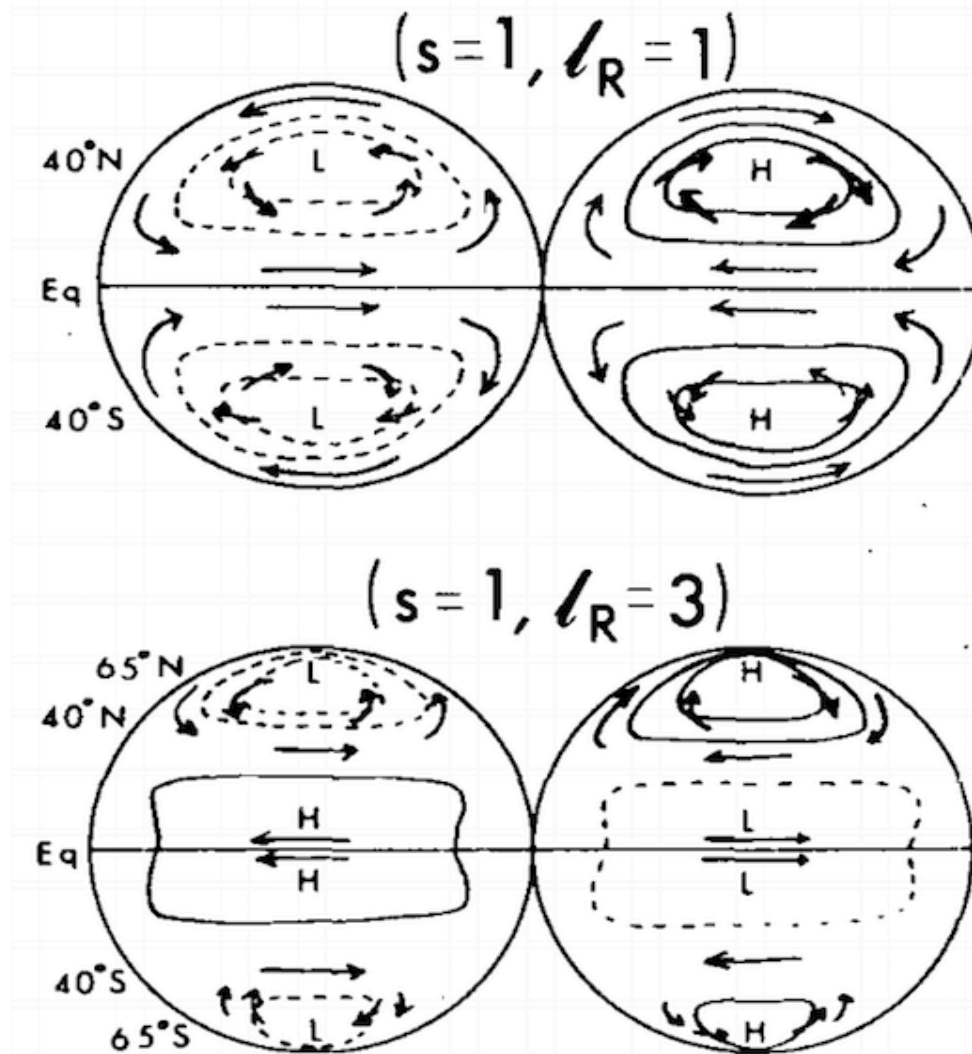
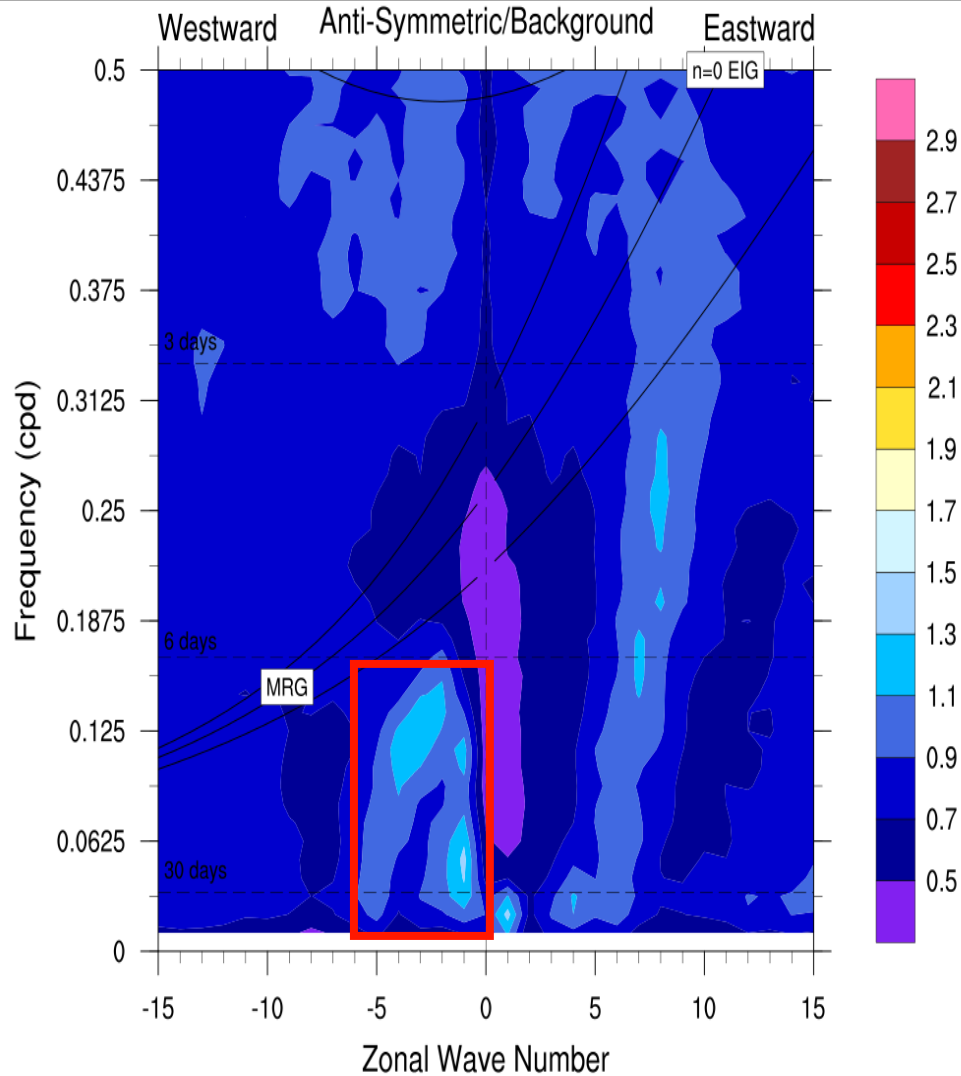


# Rossby-Haurwitz theory



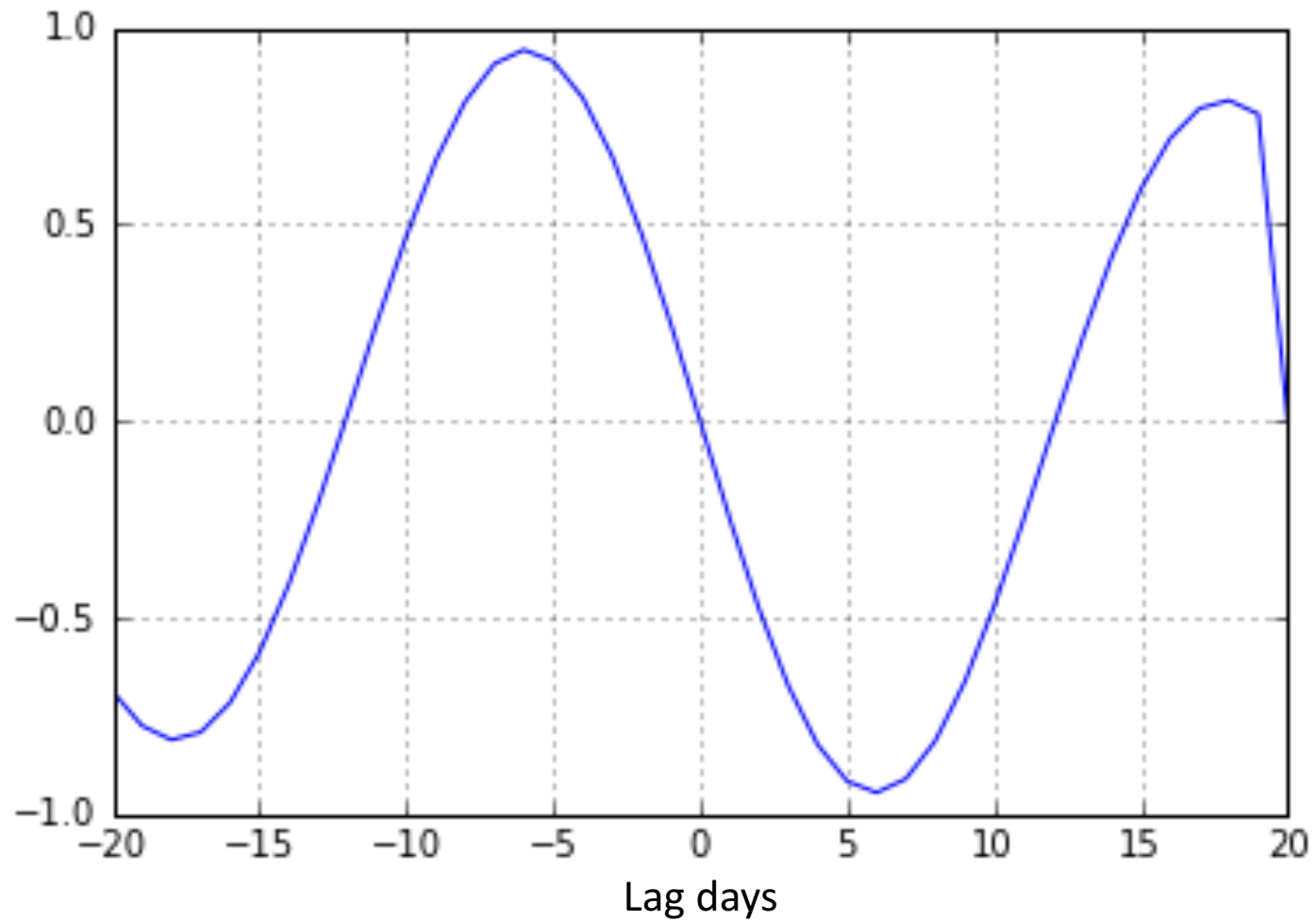
Schematic view of geopotential height and velocity fields for the generalized Laplace tidal equations modes for zonal wave number  $S=1$  and meridional wavenumber  $l=1$ ,. L and H denotes location of low and high pressure center respectively. Alhquist 1982

# Power Spectra



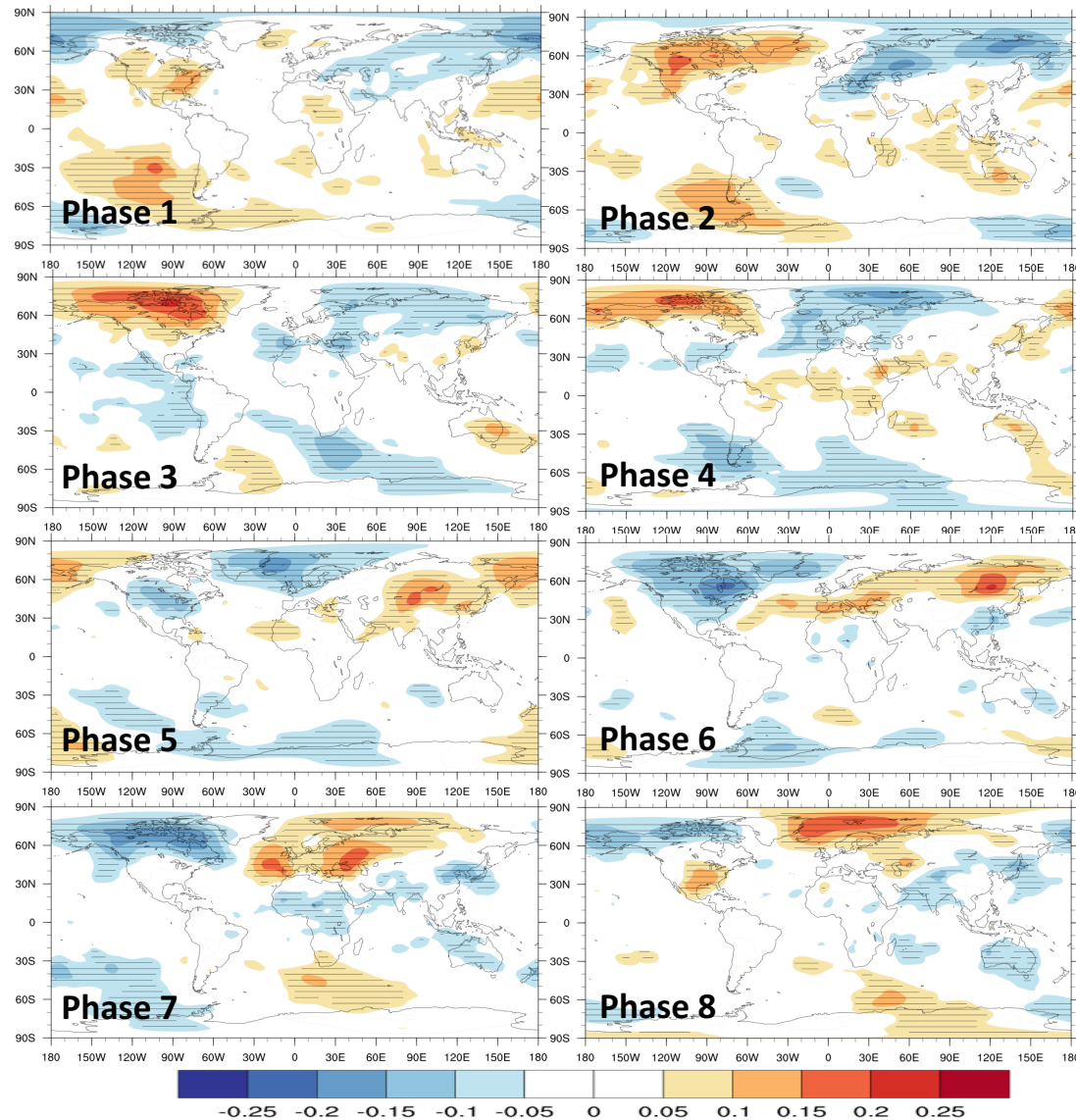
Space–time coherence-squared spectrum (contours) for anomalies in the latitude range 15°N–15°S Anti-Symmetric about the equator in AAM . Solid dispersion curves are those for Kelvin, equatorial Rossby (ER), symmetric inertio–gravity (IG), Anti Symmetric westward Mixed Rossby Gravity (MRG) and eastward inertio–gravity (EIG).

# Lag Correlation



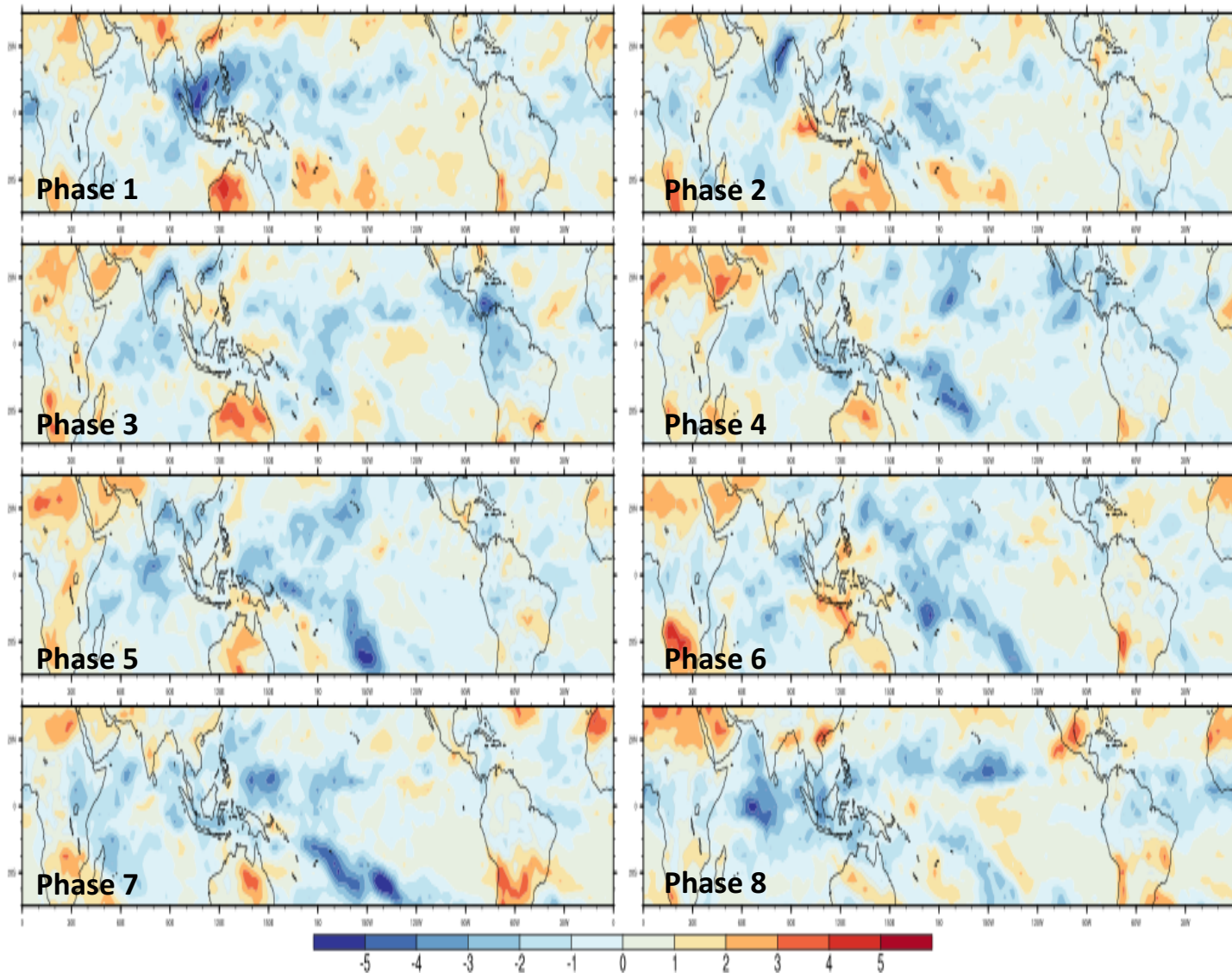
Day-Lag correlation between EOF 2 and EOF 3.

# Air Temperature Composite



Composite of standardized anomaly of air temperatures for all phases ( $\sigma$ , shaded). Hatch areas are statistically significant to the 95%.

# OLR Composite



Composite of standardized anomaly of OLR for all phases ( $\sigma$ , shaded). Hatch areas are statistically significant to the 95%.