Group 4

Presentation on Lab sessions

Study Locations

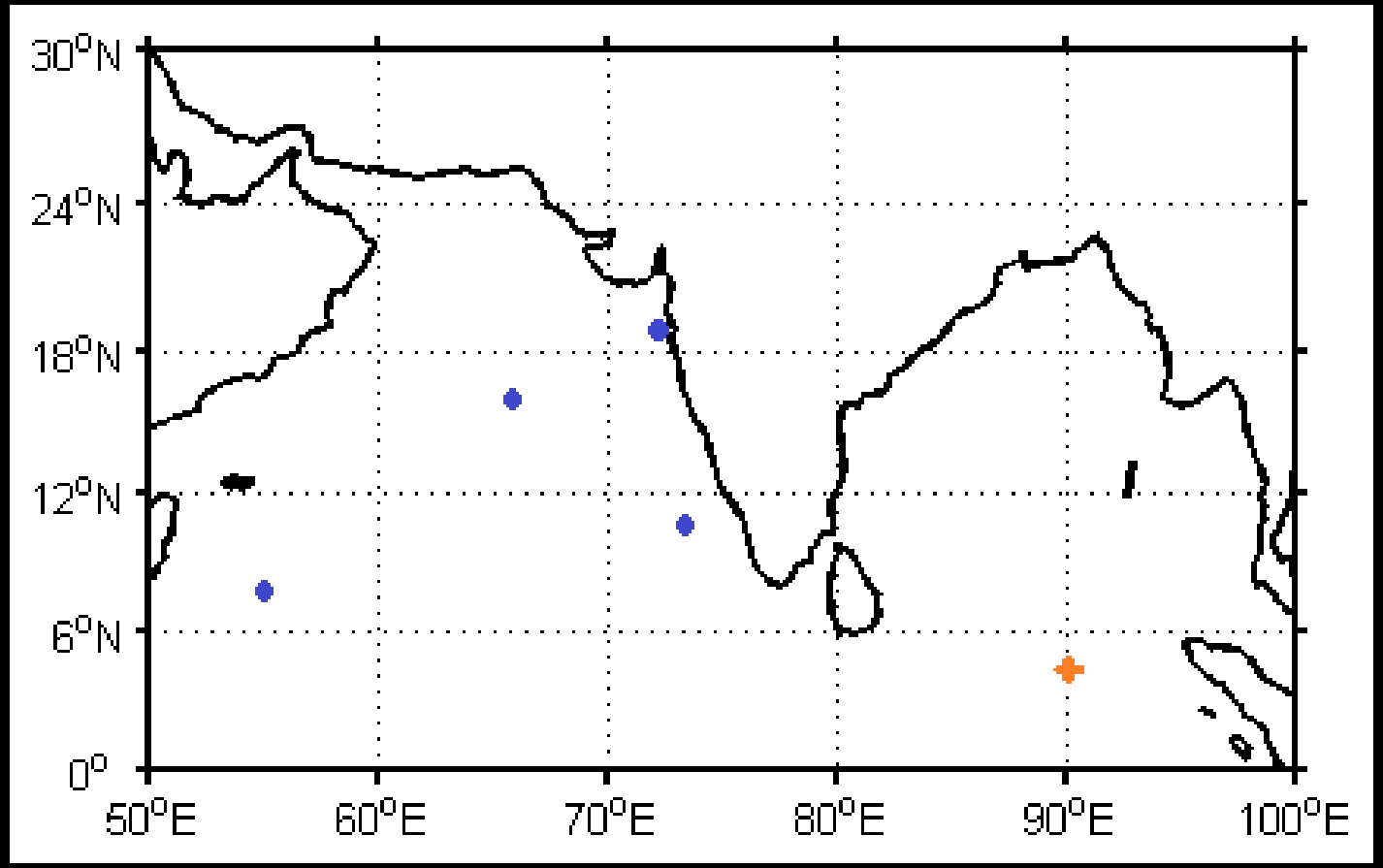
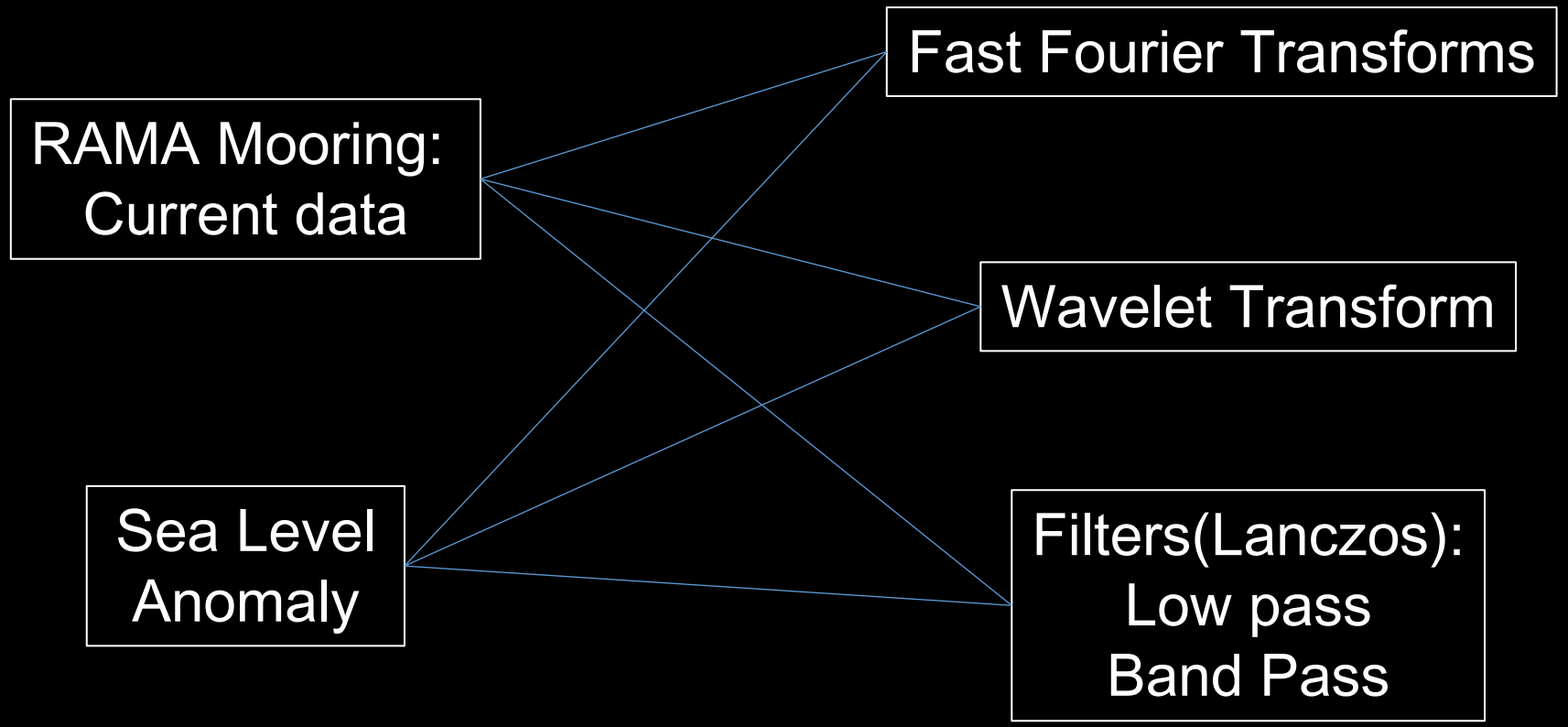


Fig 1:Study locations

Table 1:Coordinates of study locations

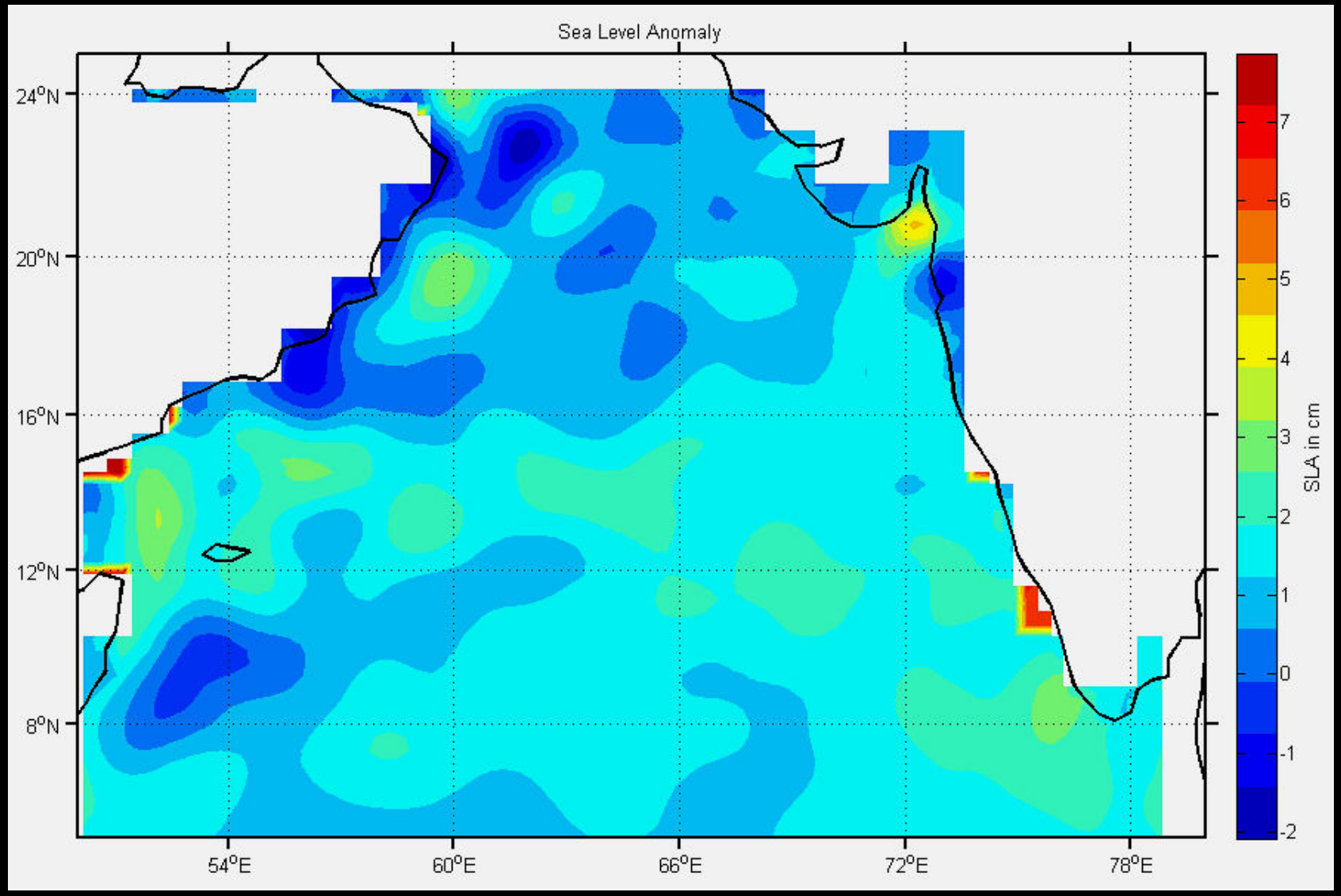
Lat	Long
Sea Level Anomaly	
10N	73E
20N	72E
14N	65E
8N	53.5E
RAMA Moorings	
4N	90E

Data and Methods



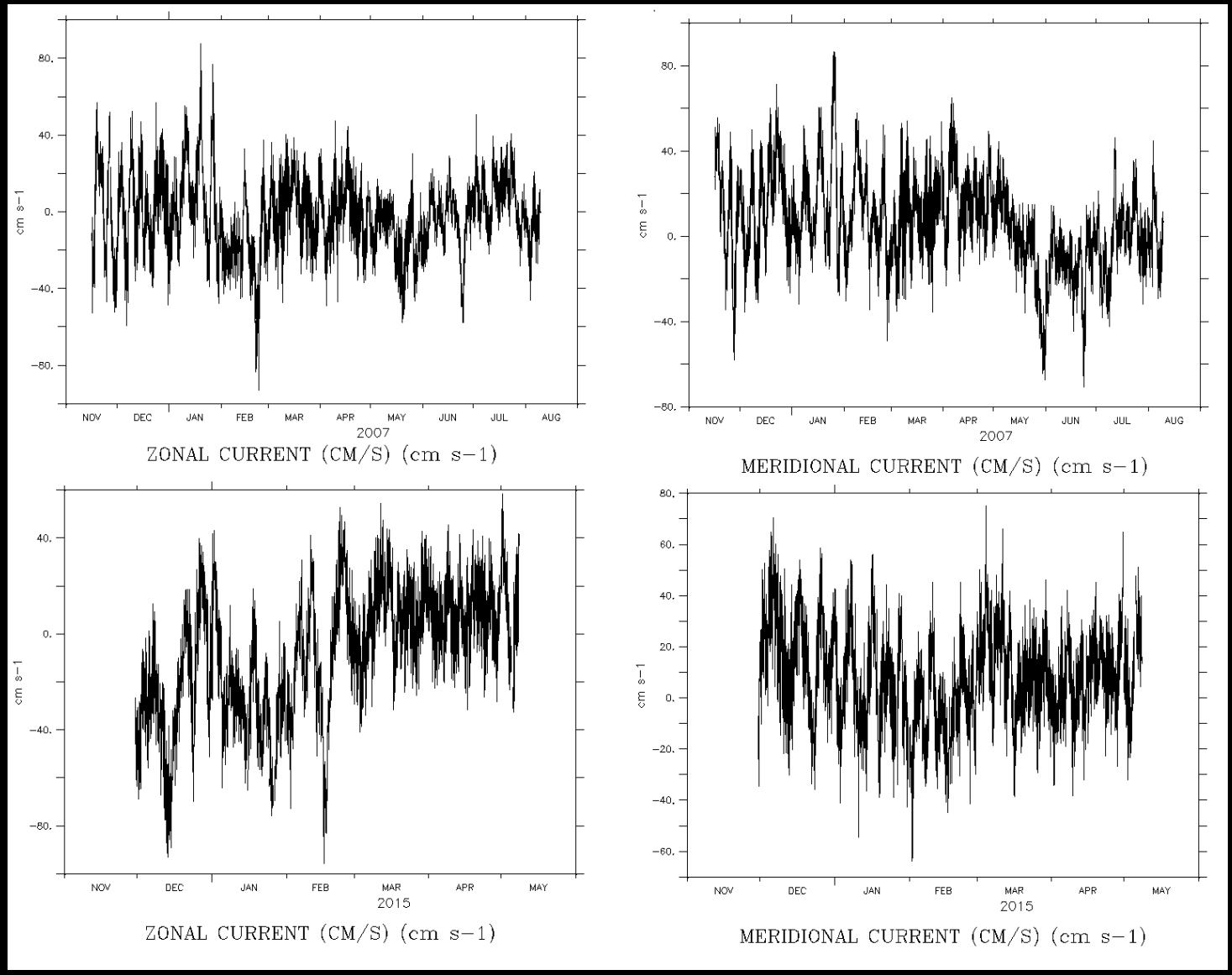
Data – SLA averaged

Fig 2:SLA averaged over time period (14-Oct-1992 to 23-Dec-2015, ~22 years)



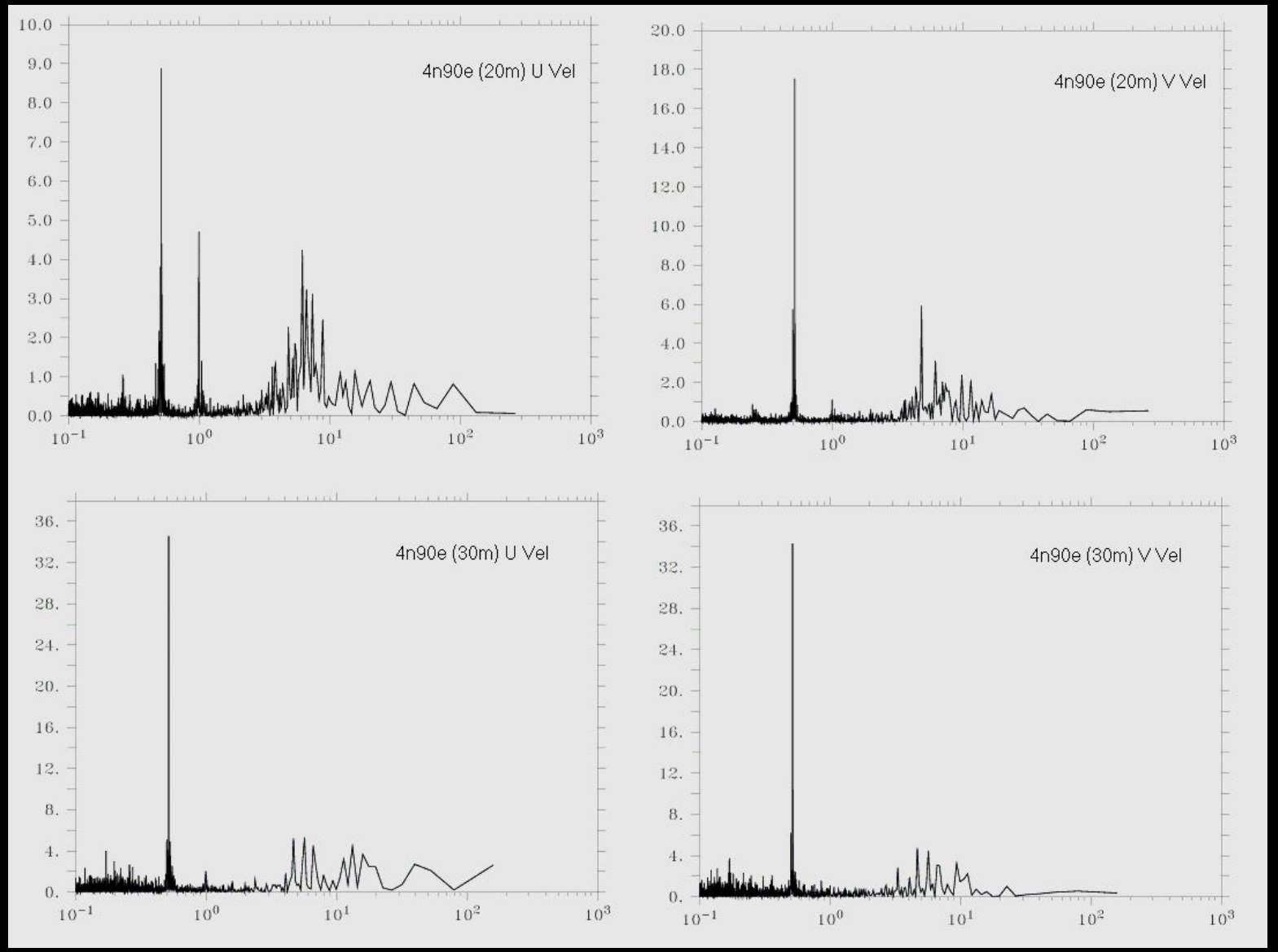
Data – RAMA current data

Fig 3:Time series plot of zonal and meridional currents at 20m, 30m depths @ 4N90E



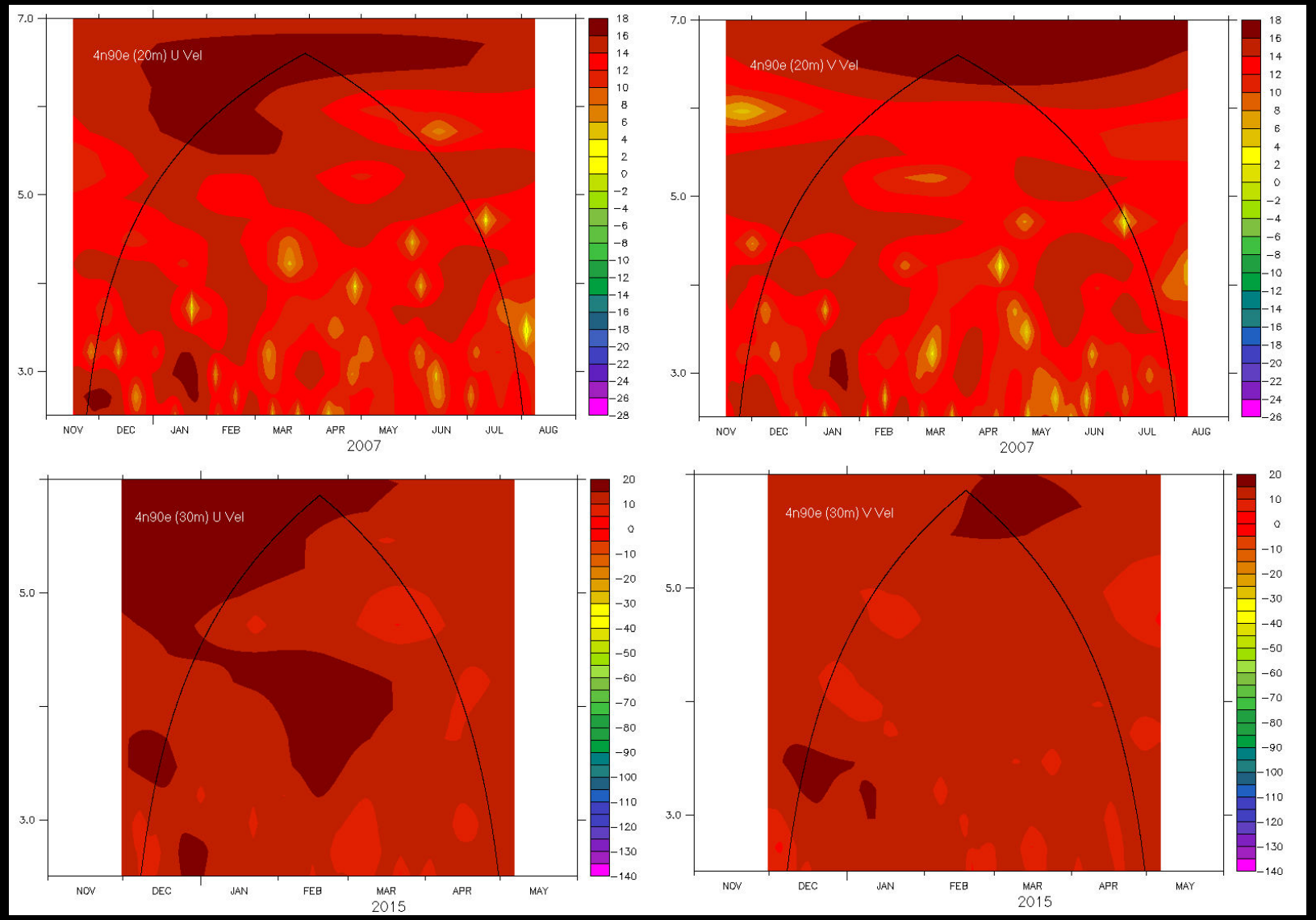
FFT – RAMA buoy current data

Fig 4:FFT of Time series of zonal and meridional currents at 20m, 30m depths @ 4N90E



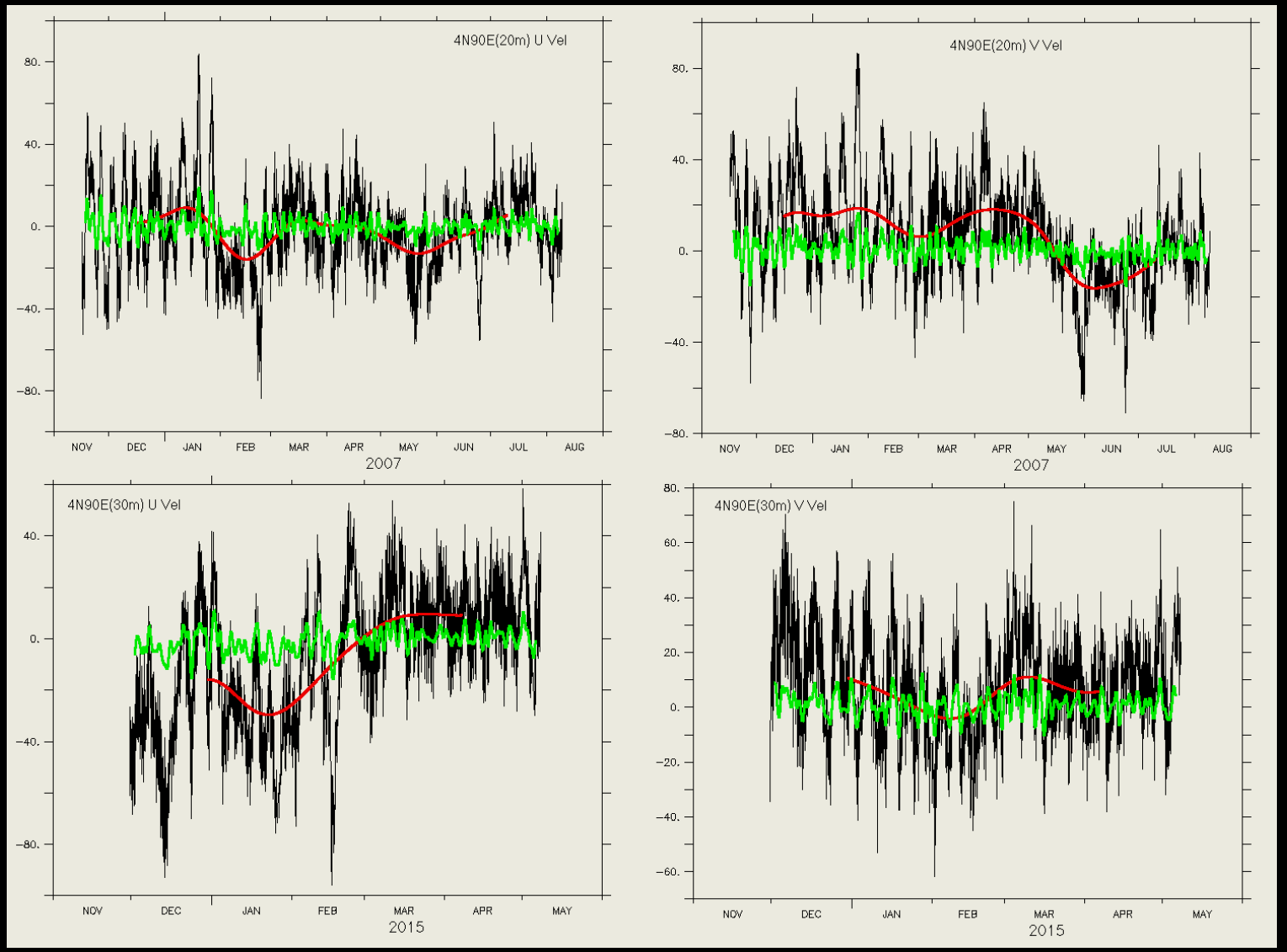
Wavelet Analysis – RAMA current data

Fig 5:Wavelet analysis of zonal and meridional currents @ 20m, 30m depth at 4N90E



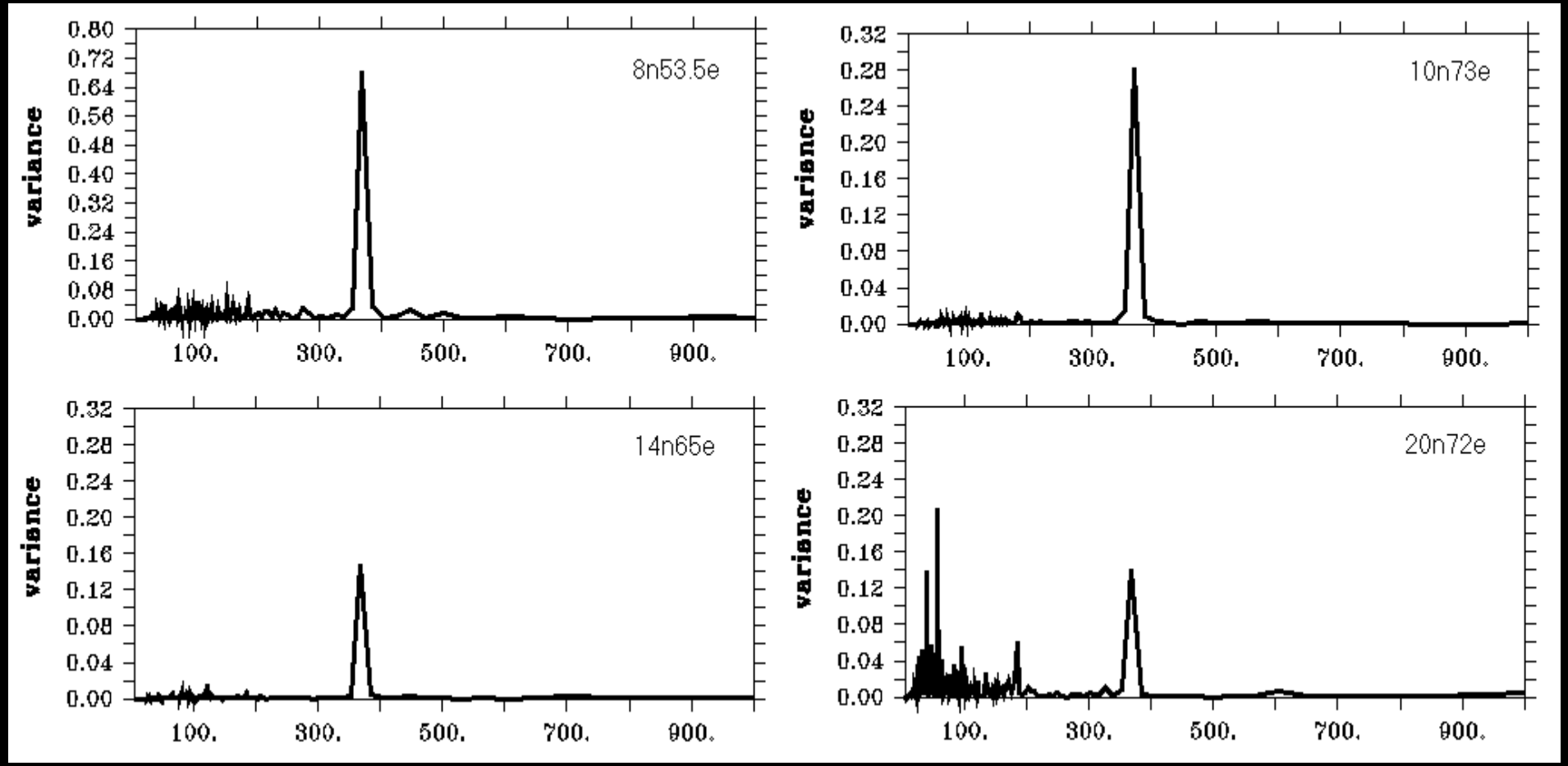
Filters (Lanczos)– RAMA current data

Fig 6:Filter analysis of zonal and meridional currents @ 20m, 30m depth at 4N90E



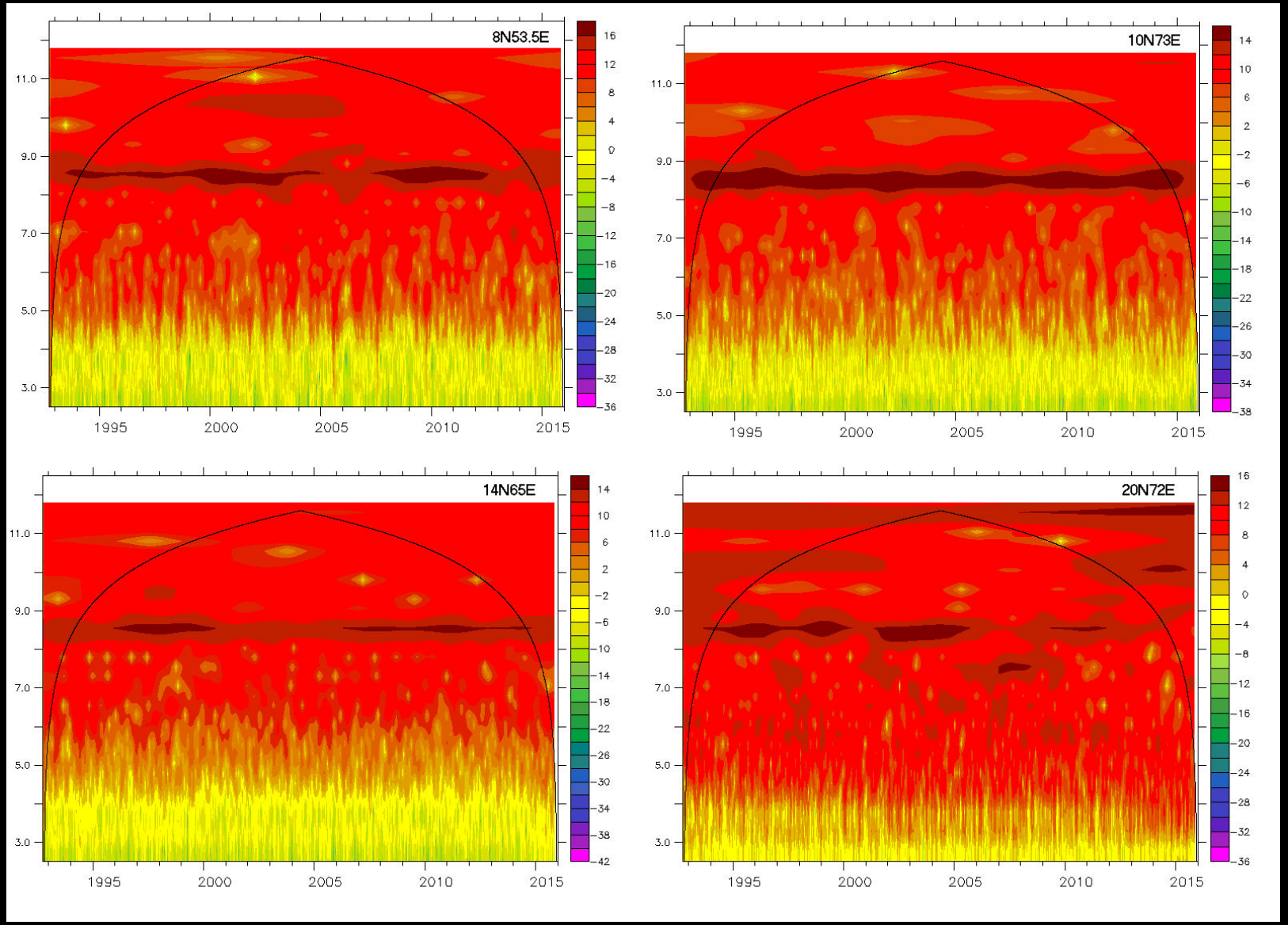
FFT – Sea level anomaly

Fig 7:FFT of Time series of daily SLA at different locations in AS



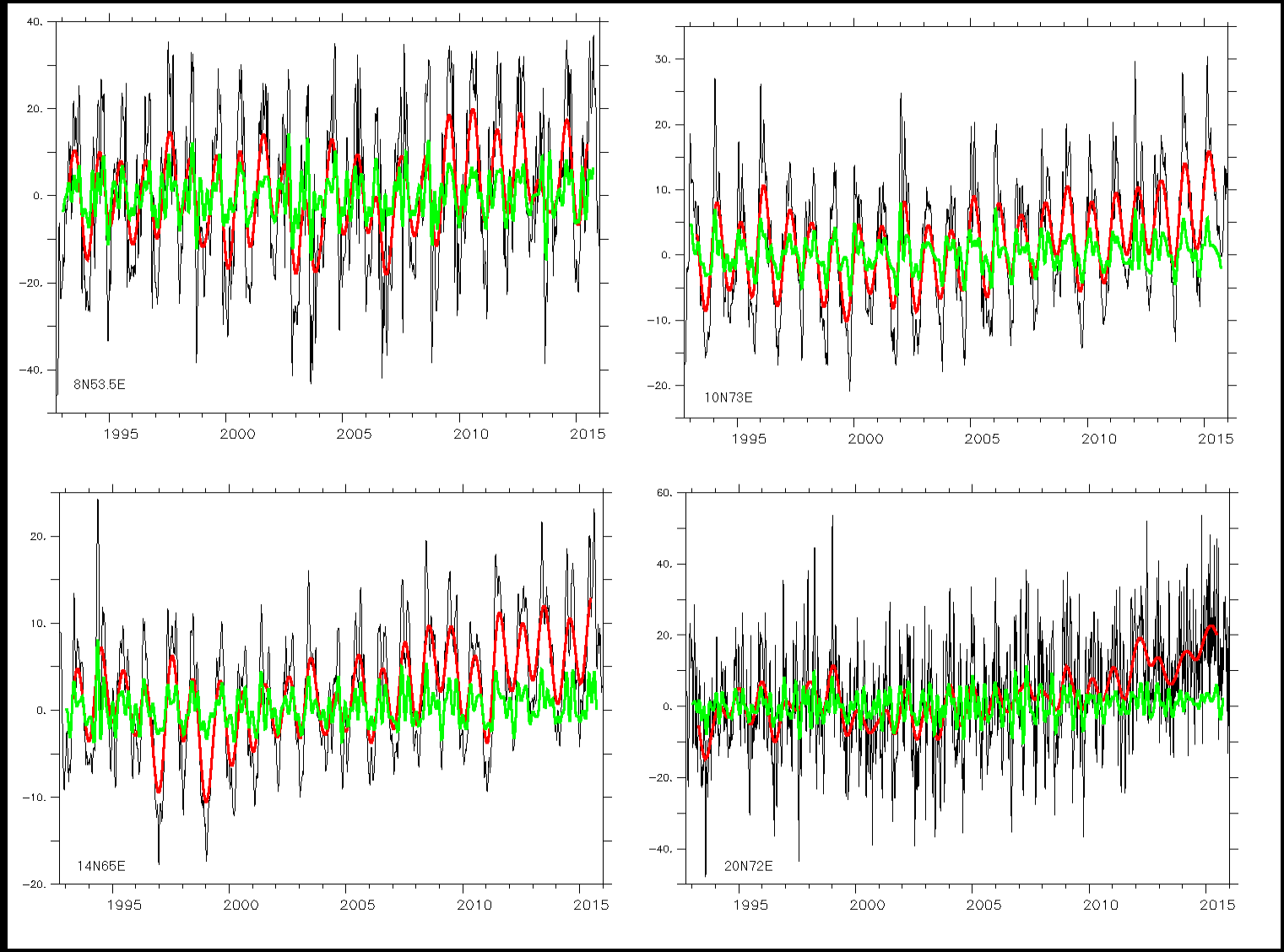
Wavelet Analysis – SLA data

Fig 8:Wavelet analysis daily SLA at different locations in AS



Filters (Lanczos)– RAMA current data

Fig 9:Filter analysis daily SLA at different locations in AS



Conclusions

- RAMA current data (4N90E)
  - Intra-seasonal (~60 days) variability was prominent
- SLA
  - Mainly Annual variability was observed except at location near Gujrat coast

Thank You