Neural networks Input preparations:

1. Hysplit model – create trajectories from 1960. Preferably with higher resolution data than NCEP. Starting from 30N, 35E, 1000m ans 2000m. 72h back trajectories.
2. GPH at 500, 700 and 300hPa – 0-50N, 0-50E. and at day -1.
3. Vorticity at 300 and 500hPa.
4. Relative Humidity at 700hPa and 500hPa.
5. (T850-T500) – (T mean 850 – T mean 500).
6. Optional – Moving speed of a trough.

Poster – Automatic identification and classification of the Red Sea Trough.

1. Methodology - Identification method for RSTs
2. Night and day difference
3. Monthly occurrences graph.
4. Size 1.40x1.00 landscape