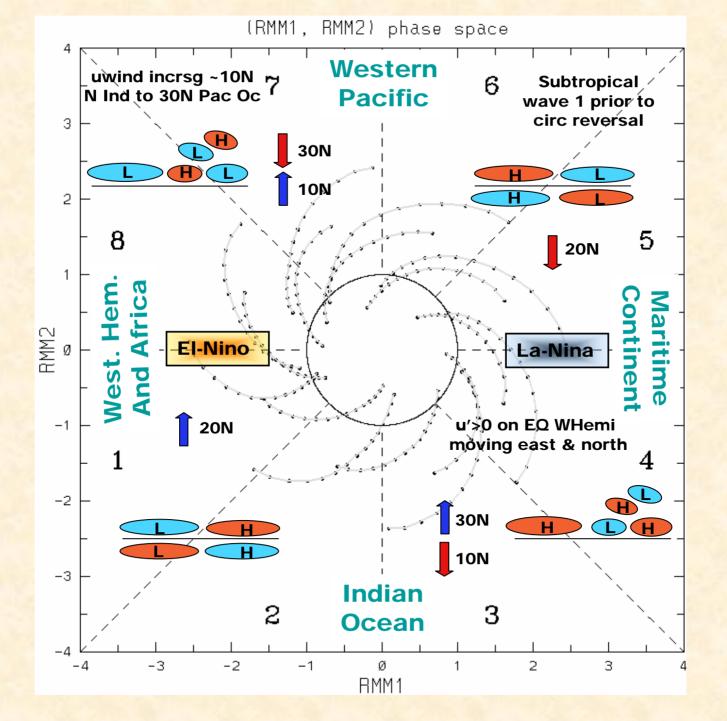
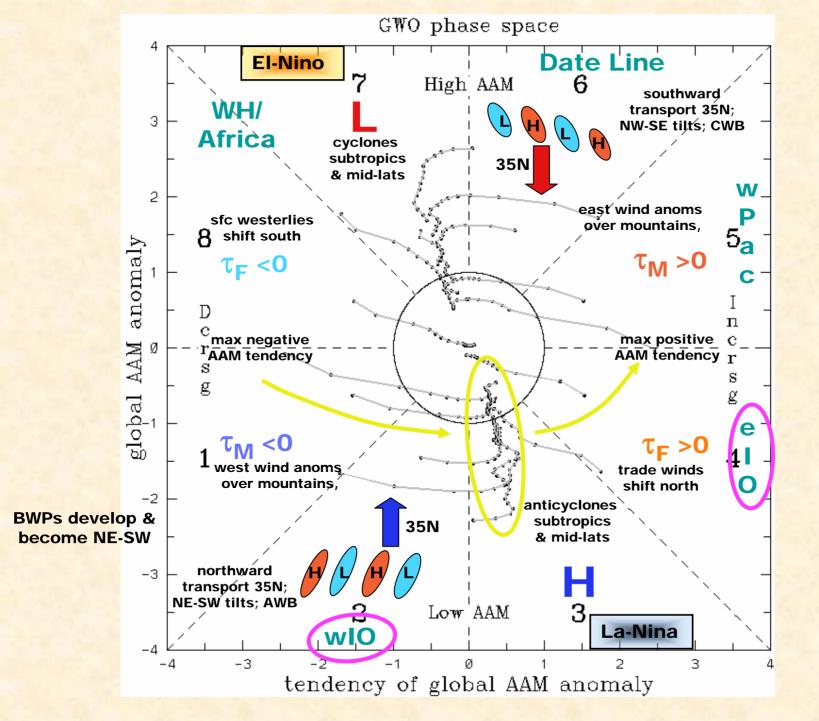
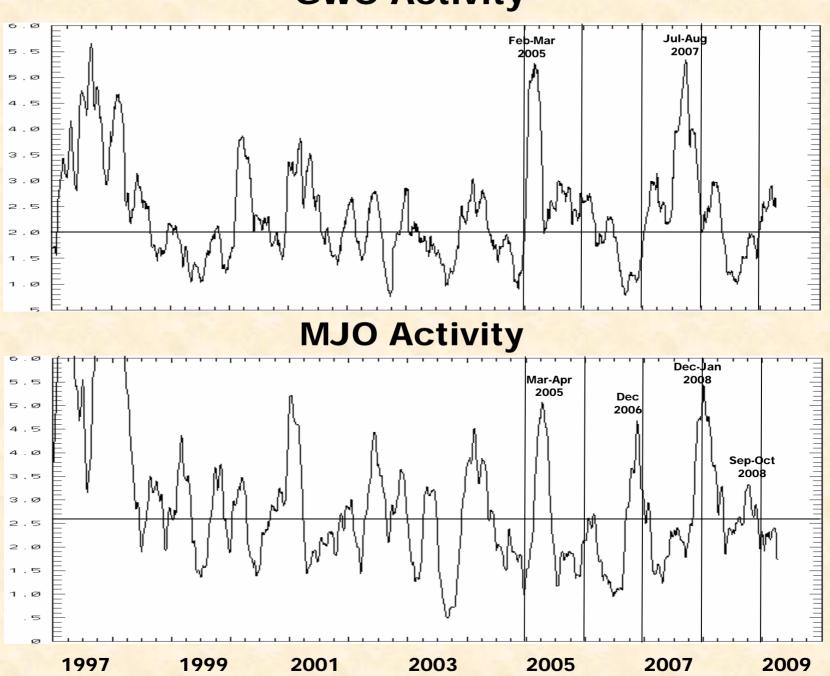
Indo-Pacific OLR variations

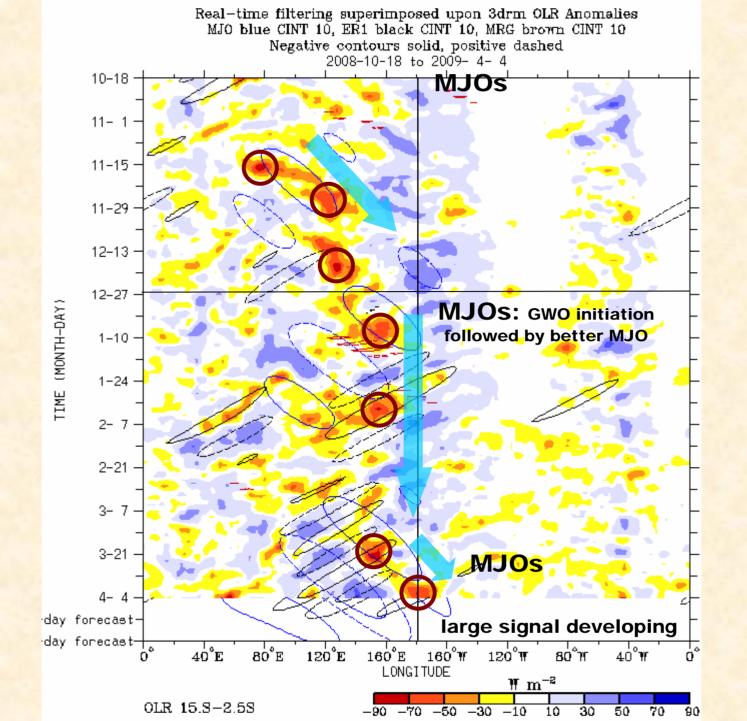
- This viewpoint may relate more to OLR background and less to OLR spectral peak due to MJO
- The global wind oscillation (GWO) monitors the ups and downs of the atmospheric angular momentum
- The seasonal base state, location of mountains and eddy momentum transports across 35N are important components of zonal mean GWO variations.
- Global teleconnection patterns link the GWO orbits to tropical convection over the Indo-Pacific Ocean
- More relevance to forecasting than DYNAMO field project,but could get year like 2008-09!

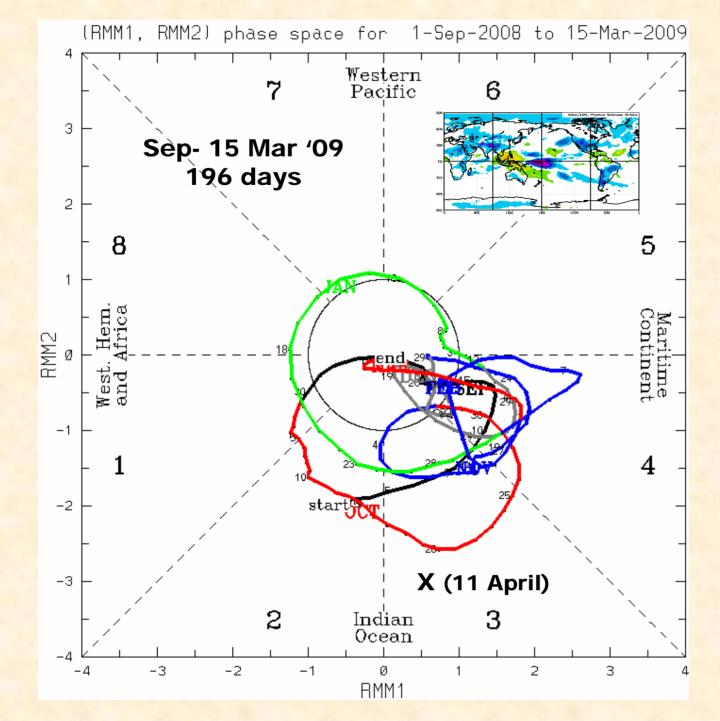




GWO Activity







MJO_totanom Phase Space Signals Sep-Mar 2009

ENSO produces:

- persistence in phases 3-4
- truncated MJO

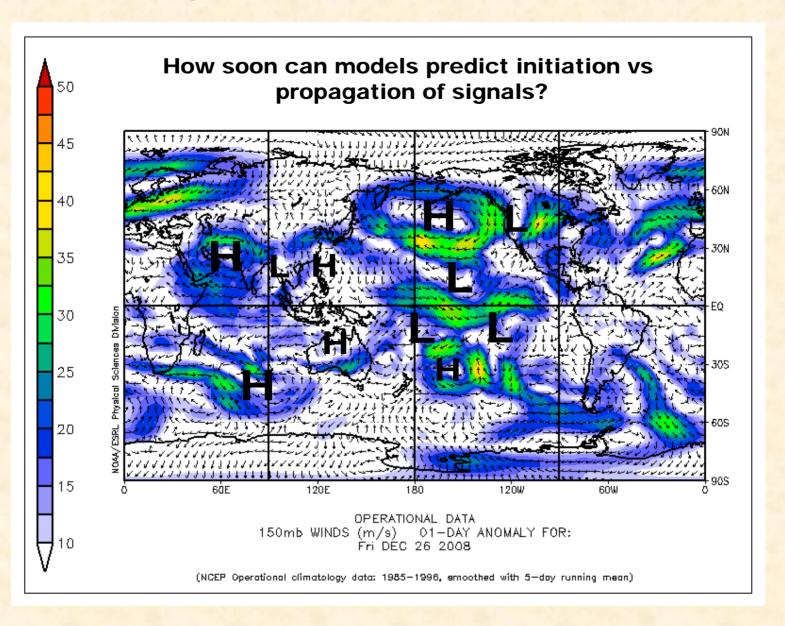
GWO produces:

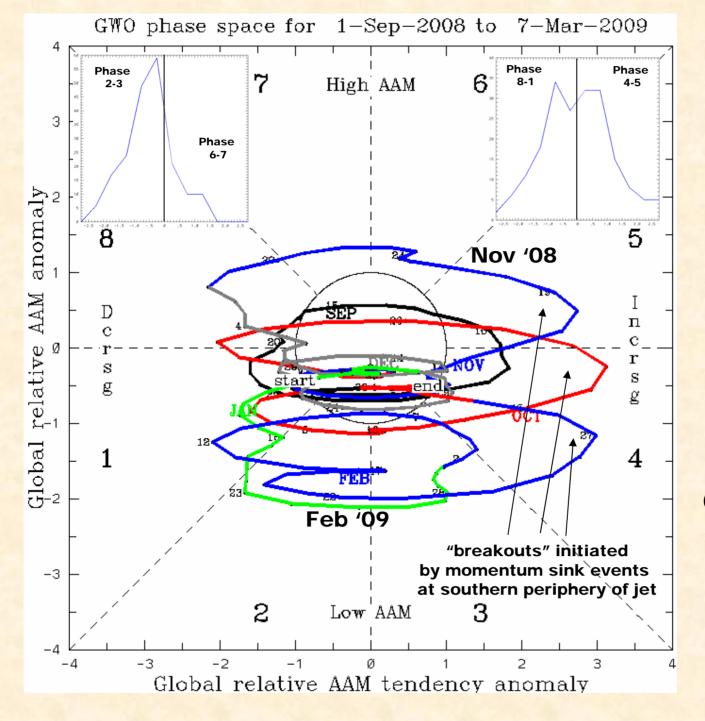
irregular variations betwn phases 3 & 4

active MJOs:

1 Sep - 25 Oct '08 20 Dec - 5 Feb '09 05 Mar - present

26 December 2008 Key date for MJO development





GWO Phase Space Signals Sep-Mar 2009

ENSO produces:

Difference in centroid of Nov 08 versus Feb 09 orbits

GWO produces:

25-30 dy "cycles" phase 1/2 <=> 4

MJO is present:

1 Sep - 25 Oct 08 (couples with GWO) 20 Dec - 5 Feb 09 (forced by GWO?) 05 Mar - present (forced by GWO?)

