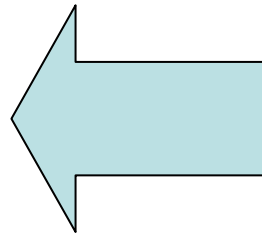


Water budget in Atlantic cyclones.

Gavrikov Alexander
Institute of Oceanology RAS

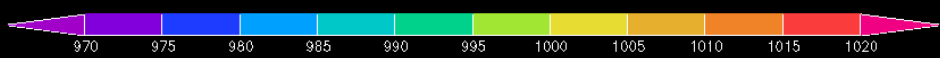
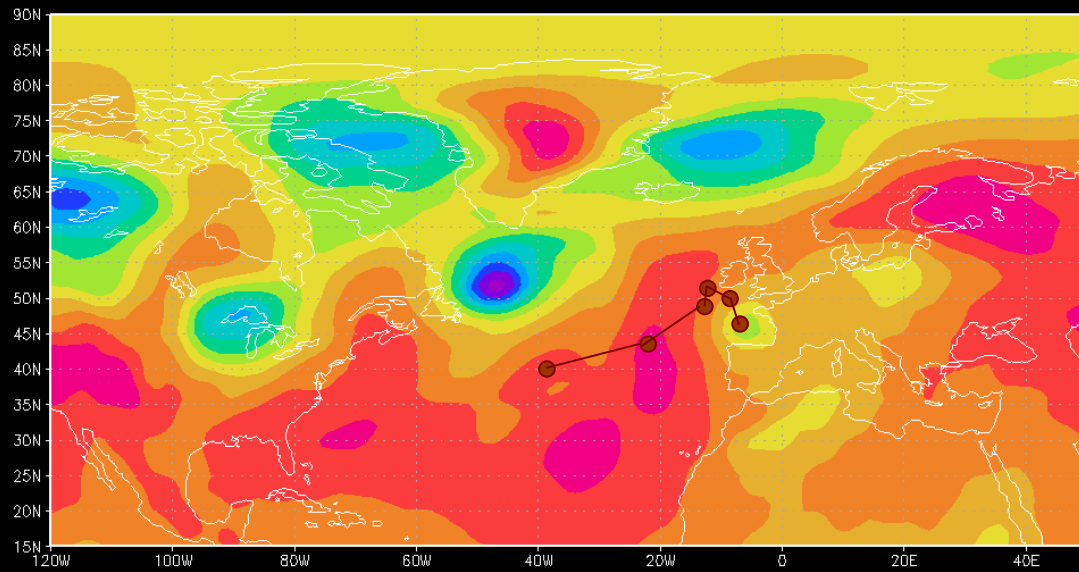
The main idea is to investigate the water accumulation, transformation and dissipation inside the Atlantic cyclones.

WRF
Horizontal step 20 km

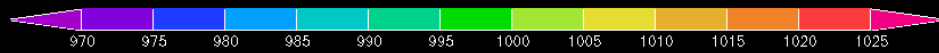
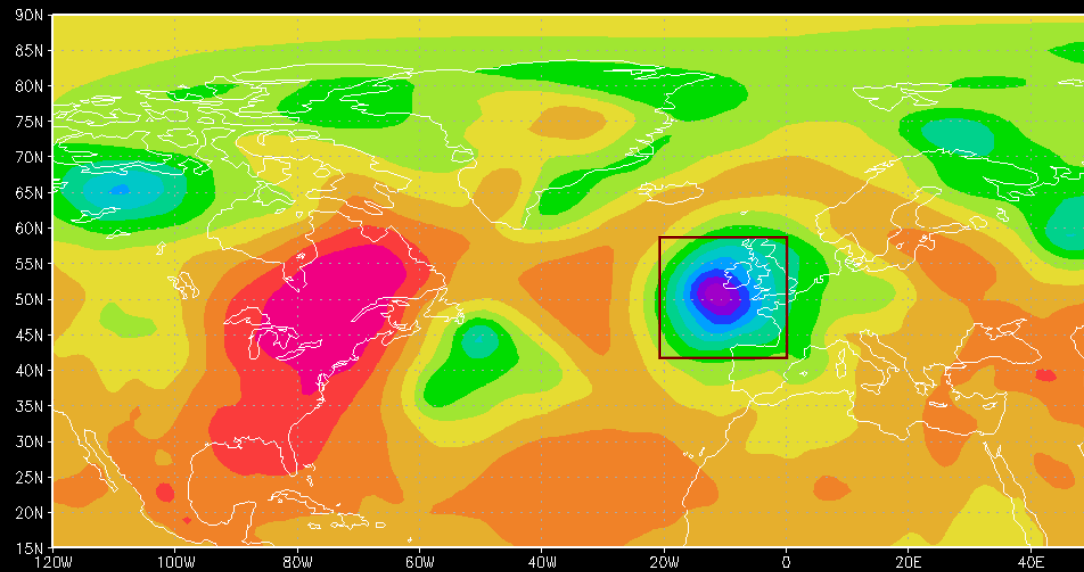


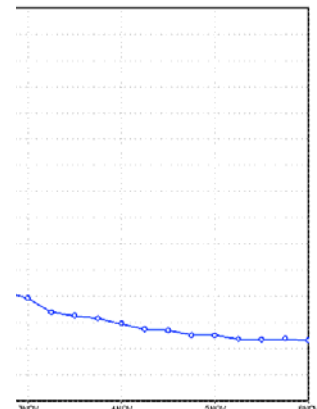
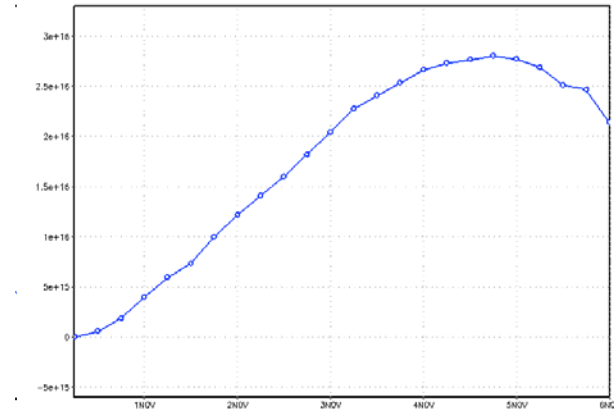
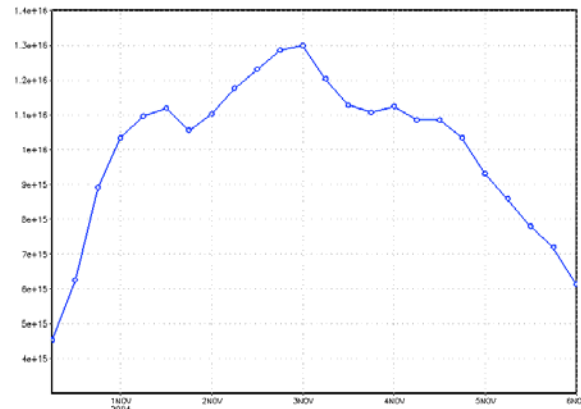
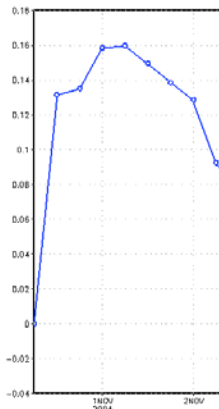
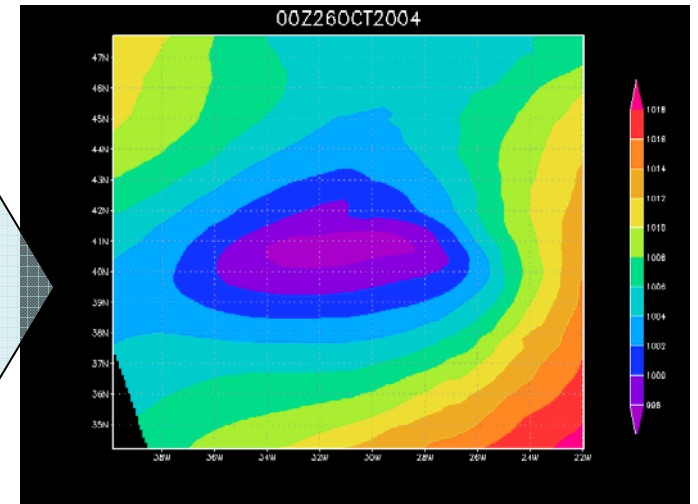
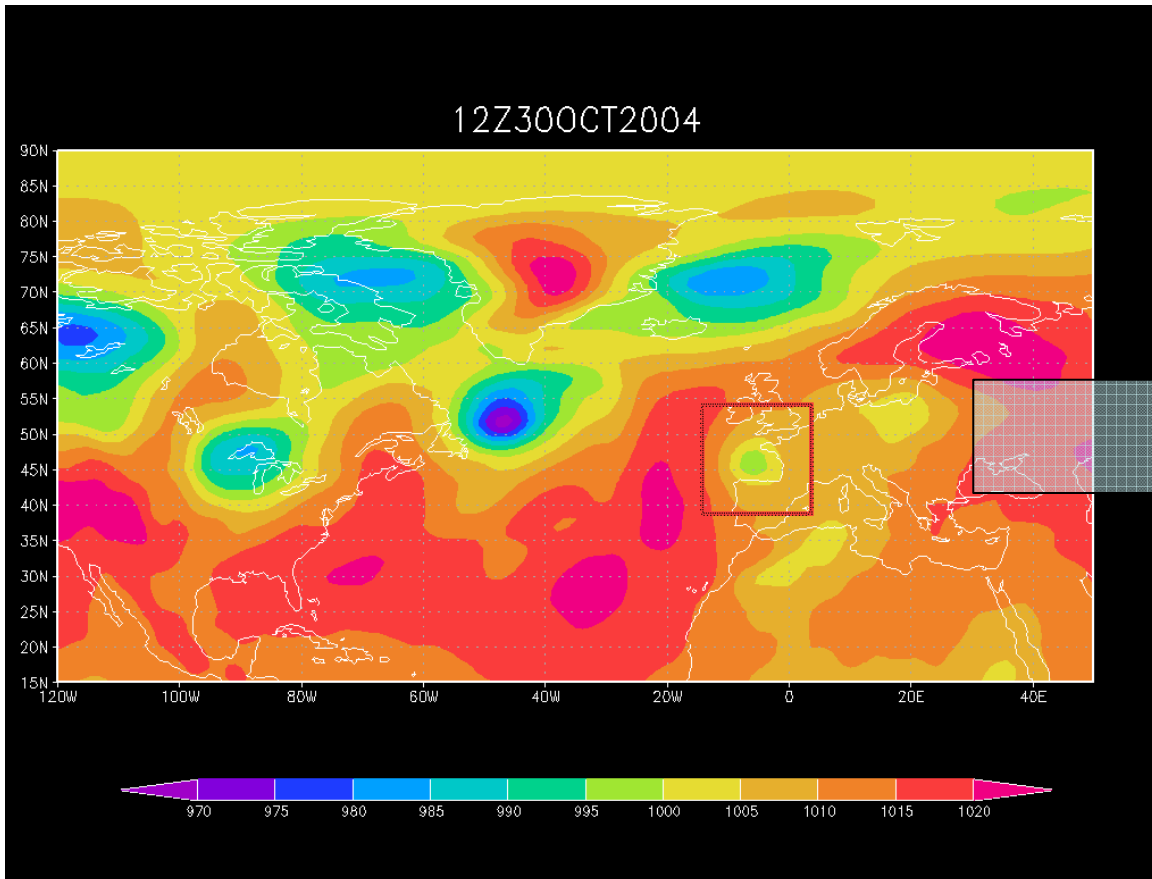
**NCEP
Reanalyze**
1x1 deg resolution

12Z30OCT2004

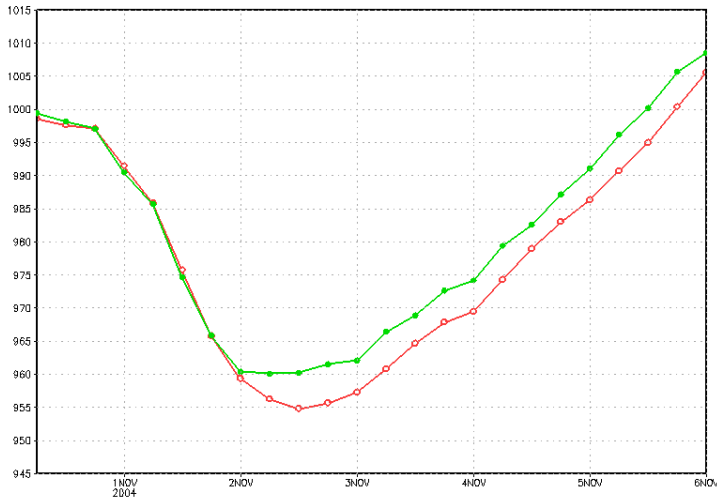


12Z28OCT2004

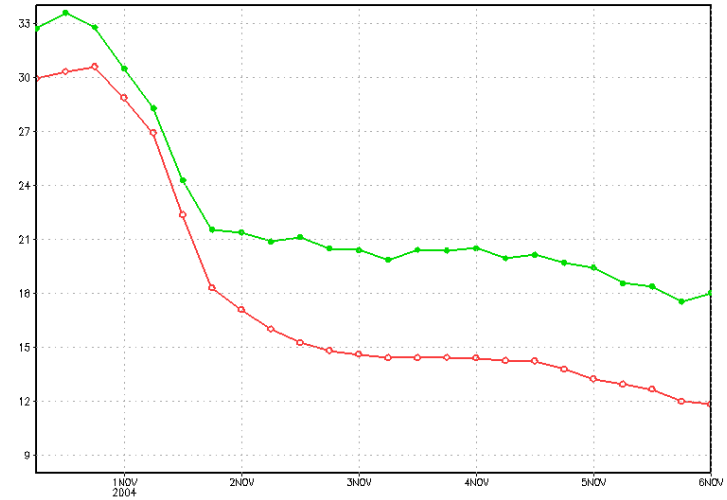




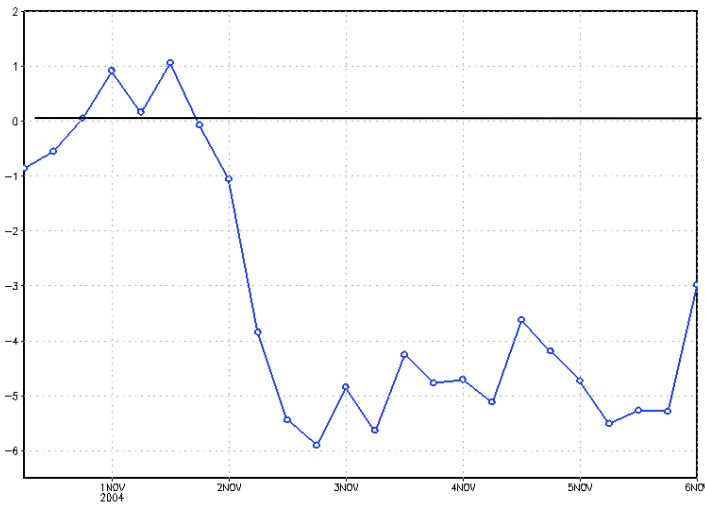
Water vapor (m) total water (sum) water rain (convective and grid) mid-level water (mid)



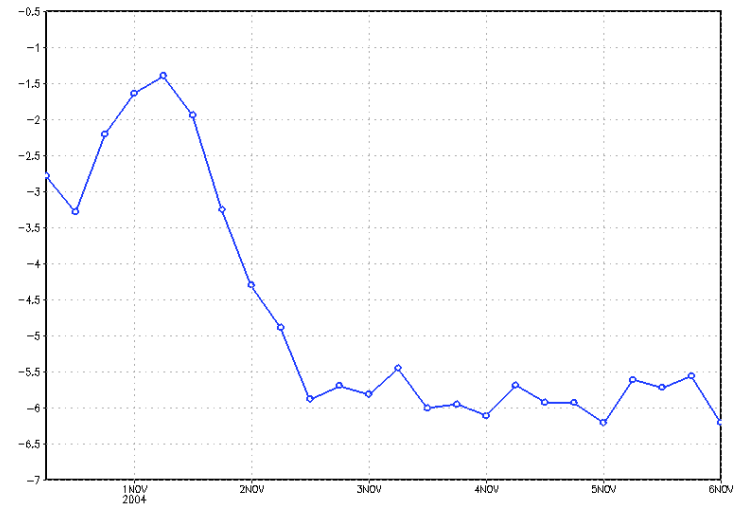
Pressure WRF (red) and pressure NCEP (green)



Mean total water in WRF (red) and In NCEP (green)



Pressure WRF minus pressure NCEP



Difference between WRF and NCEP respectively