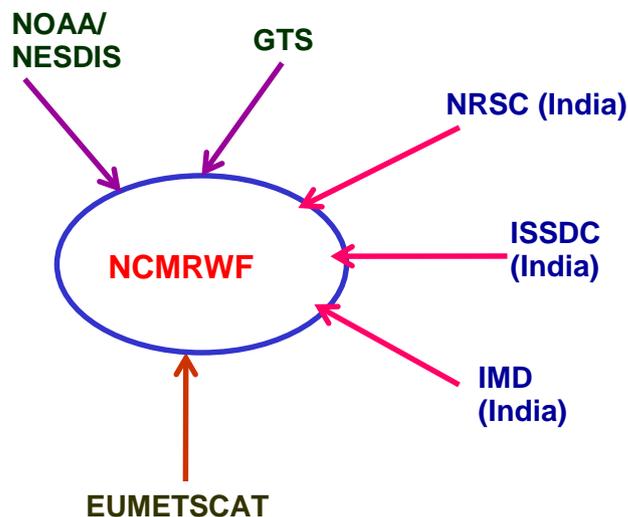
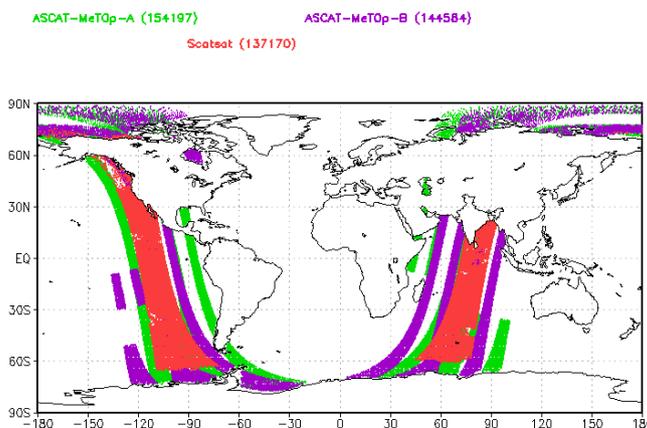


NWP Status, NCMRWF

Data Reception



New Data



New Machine

CRAY XC-LC 40 System

2.8 PF vRpeak
128 GB memory per compute node
2,320 compute nodes
2 processors/node
18 cores/processors
Each node 36 cores

Global Assimilation and forecast System

17km resolution

Hybrid-4DVAR

10 day forecast based on 00Z

5 day forecast based on 12 Z

Regional Assimilation and forecast System

4km regional model downscaled from global system

4k regional model with 3D/4D VAR Assimilation (Not operational)

Global Ensemble Prediction System

44 members

33km resolution

Ensemble Transform Kalman Filter

Analysis centre for India Meteorological Department (IMD) and Indian Institute of Tropical Meteorology (IITM)

Analysis has been generated 4 times a day based on NCEP based GFS system for other sister institutions like IMD and IITM