NWP Status, NCMRWF

Data Reception
- NOAA/NESDIS
- GTS
- NRSC (India)
- ISSDC (India)
- IMD (India)
- EUMETSCAT

Global Assimilation and forecast System
- 17km resolution
- Hybrid-4DVAR
- 10 day forecast based on 00Z
- 5 day forecast based on 12Z

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

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

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