

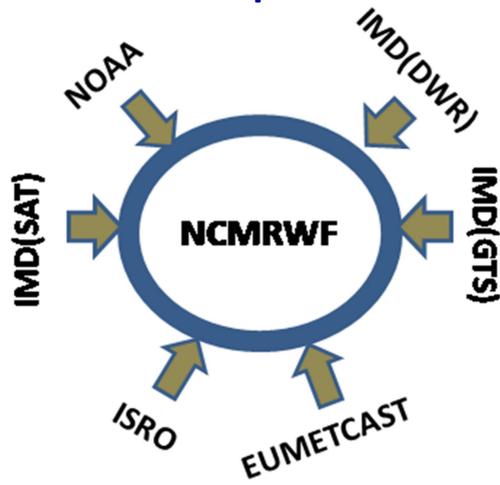


NCMRWF NWP: Current status and future plans (4p.13)

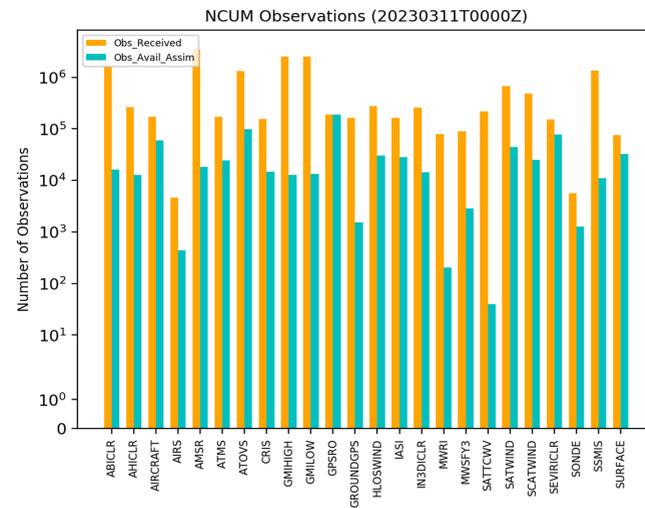
S. Indira Rani, D. Srinivas, Sumit Kumar, John P. George and V.S. Prasad

indirarani.s@gov.in, indira@ncmrwf.gov.in

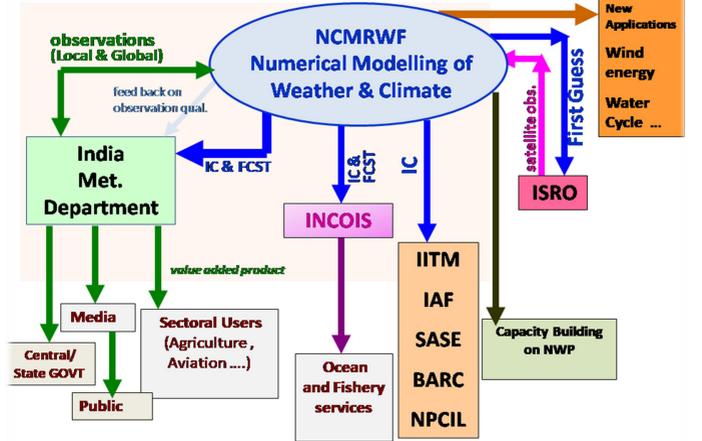
Data Reception



Data Monitoring

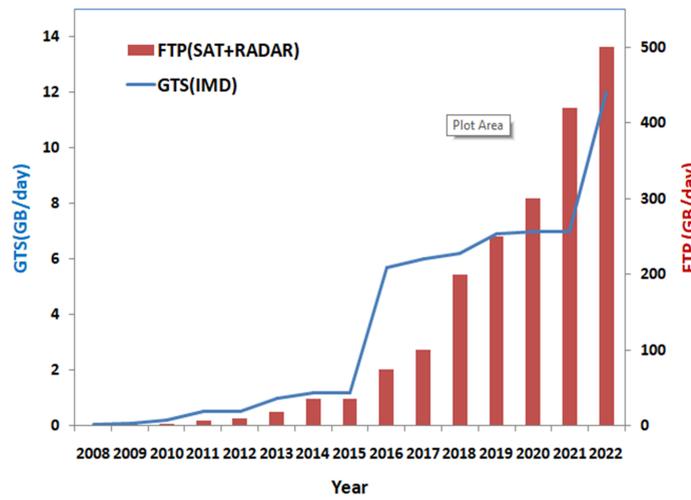


Linkage of NCMRWF with Various Organizations



Operational NWP Systems

Global Deterministic:
NGFS (IMD) 12 km, 64 levels
NCUM (NCMRWF) 12 km, 70 levels
Global Ensemble:
NGEFS, 12 km, 21 members
NEPS, 12 km, 23 members
Regional
NCUM-R, 4 km, 80 levels (~40km)
NEPS-R, 4 km, 11 members



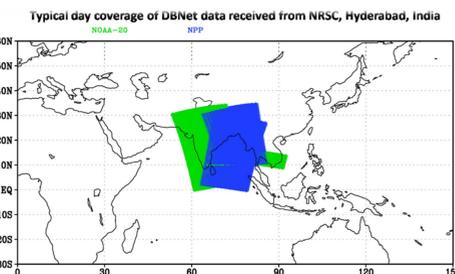
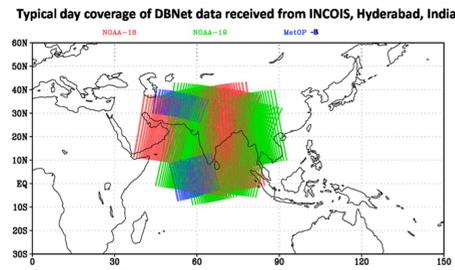
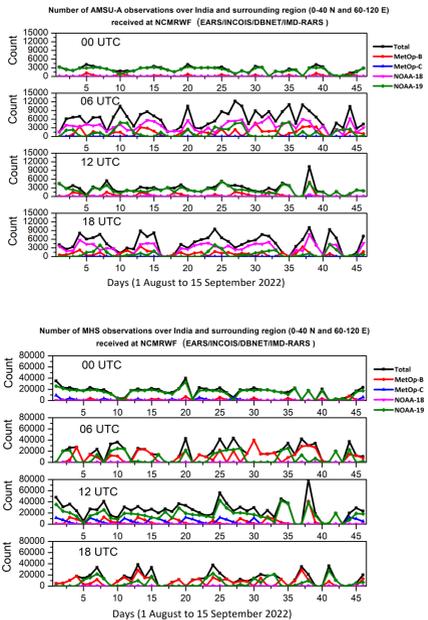
New Observations added

Indian RS/RW BUFR (11 stations),
Additional AIREP over the Indian Ocean region,
Indian DBNET stations (ATOVS, IASI, ATMS, CrIS),
Smallsats GPSRO (SPIRE and GeoOptics)

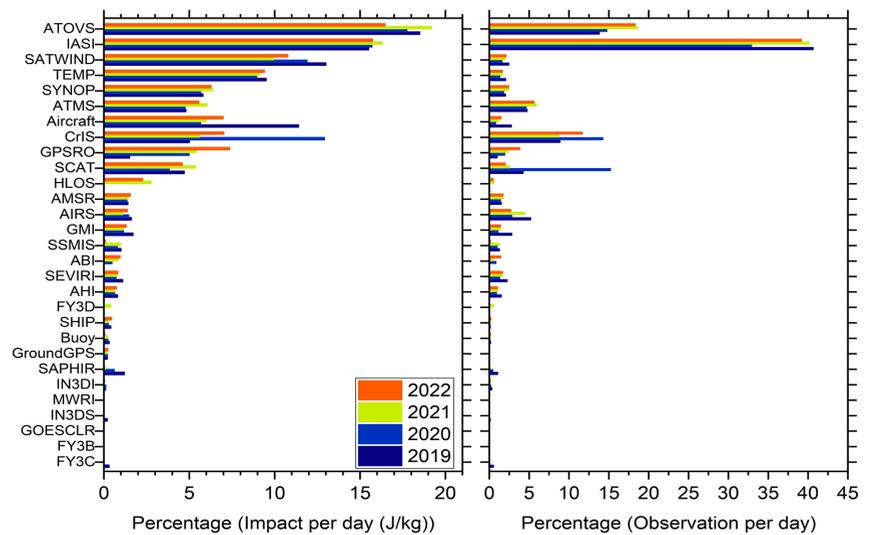
Indian BUFR RS/RW available in GTS

S. No.	STATION	START DATE	TIME of OBSERVATION
1	DELHI	10-01-2023	1200 UTC
2	AHMEDABAD	21-01-2023	0000 UTC
3	BHUJ	24-01-2023	0000 UTC
4	PUNE	21-01-2023	0000 UTC
5	AURANGABAD	24-01-2023	0000 UTC
6	GWALIOR	21-01-2023	0000 UTC
7	JABALPUR	24-01-2023	0000 UTC
8	IMPHAL	21-01-2023	0000 UTC
9	AGARTALA	24-01-2023	0000 UTC
10	PATNA	21-01-2023	0000 UTC
11	BANKURA	24-01-2023	0000 UTC

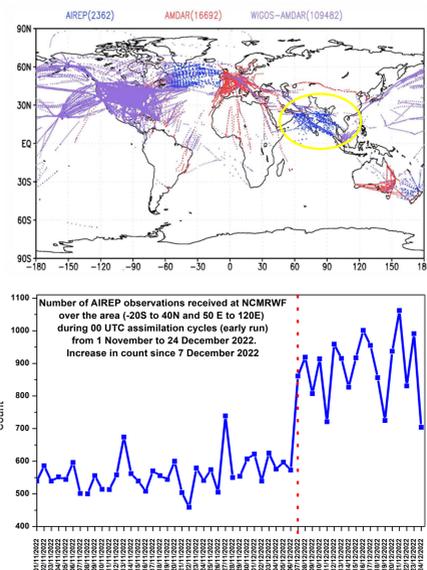
Indian DBNET Data coverage (For more details 15.07)



FSDI (For more details 15.02)

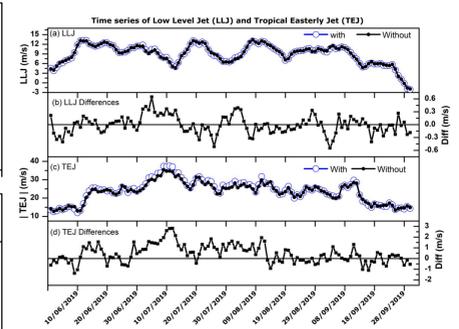
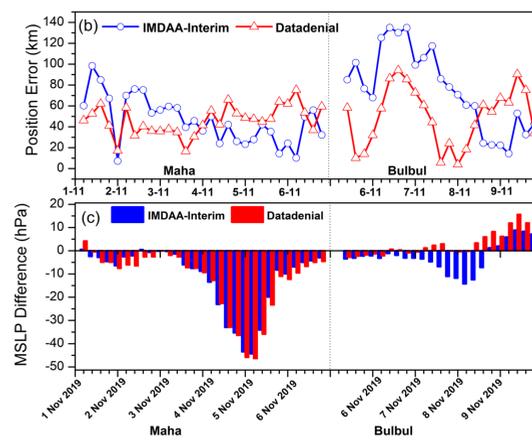
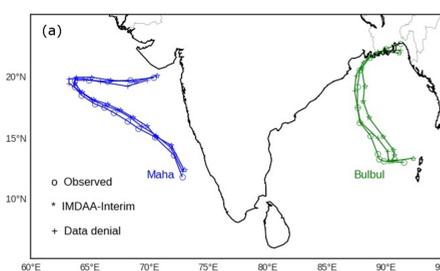


AIRCRAFT data over the Indian region



AIRCRAFT data: Assimilation impact over the Indian region

Tropical cyclones



For more details: <https://doi.org/10.1002/qj.4439>

Assimilation planned: Oceansat-3 Scatterometer winds, Millimeter Wave Humidity Sounder onboard EOS7 (For more details 15p.13)