

Operational short-range NWP at MetCoOp



- + **MEPS**: a deterministic + 14 perturbed members
- + **MNWC**: a short-cutoff deterministic nowcasting system

→ Both run 3D-Var and assimilate sounder radiance data from polar-orbiting satellites

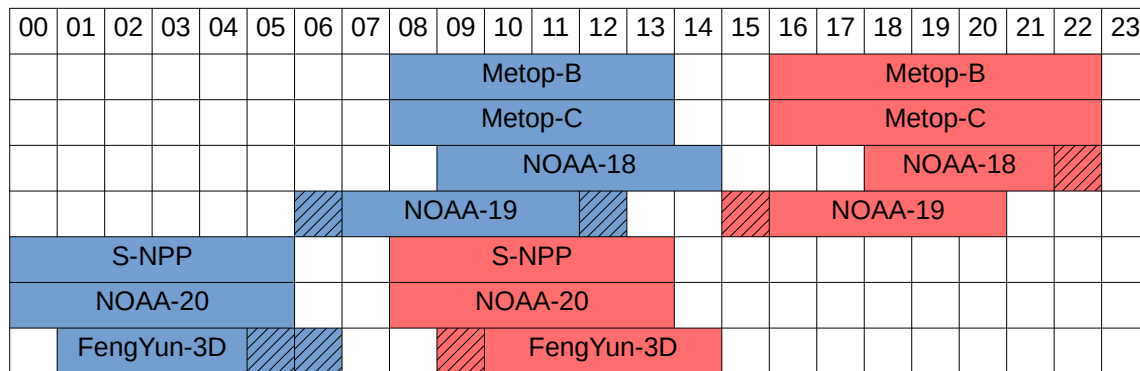
Highlights:

- New MW sounders in operations: MWHS2 (Mar 2021) and ATMS (Oct 2021)
- Improved IR cloud screening (Mar 2021)
- Assimilation of low-peaking MW channels over land and sea (Jan 2023)
- Regular updates to data use hours in response to drifts in some satellite orbits

Near-future plans:

- Operational use of CrIS
- Operational 4D-Var data assimilation
- Bringing in new polar orbiters
- Geostationary satellite radiance assimilation

MEPS / MNWC analysis hour [UTC]



- Data use times in descending node
- Data use times in ascending node
- ▨ MEPS-only data use times
- ▨ MEPS-only data use times



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