

Satellite radiance assimilation at the Met Office (13p.08)

- The Met Office is collaborating with the Joint Center for Satellite Data Assimilation (JCSDA) to develop a data assimilation system based on the Joint Effort for Data assimilation Integration ([JEDI](#)) framework. Operational implementation planned for [November 2025](#).
- About **300 million of obs per day** stored in MetDB
- 13 radiance types assimilated: GOES 16 [ABI](#); Himawari-9 [AHI](#); Aqua [AIRS](#); GCOM-W1 [AMSR-2](#); SNPP, NOAA 20 [ATMS](#); Metop-B, Metop-C, NOAA 15,18,19 [ATOVS](#); NOAA 20 [CrIS](#); GPM [GMI](#); Metop-B, Metop-C [IASI](#); FY3D [MWHS](#), [MWRI](#); Meteosat-9 and -10 [SEVIRI](#), DMSP-F17 [SSMIS](#)
- Monitoring and/or evaluating radiances from forthcoming instruments: **NOAA-21** ATMS and CrIS; **GOES-19** ABI; Flexible Combined Imager (FCI) on **Meteosat 12**; MTG-IRS on **Meteosat-13**; Microwave Radiometer for Arctic Weather Satellite (**AWS**) mission; Hyperspectral Microwave Sounder In Orbit Demonstrator (**HYMS IOD**)
- Plans to introduce [RTTOV v14](#) into the operational system

