

MEMORANDUM FOR: JPSS Calibration/Validation Teams for Clouds, Aerosols, Volcanic Ash, Active Fires, Vegetation Health, Cryosphere, VIIRS Flood Mapping, SST, and MIRS Products

FROM: Chair, JPSS Calibration/Validation Maturity Review Team, Satya Kalluri and Satellite Product Manager, Lihang Zhou

ON: Feb 20, 2024

SUBJECT: Validated maturity status declaration for numerous NOAA-21 EDRs

The JPSS Calibration/Validation Maturity Review Team finds that the following NOAA-21 EDRs previously declared provisional can now be declared at validated maturity. This is due to the high-quality products since the provisional declaration and the consistency of these EDRs with the NOAA-20 EDRs that are at validated maturity. As the algorithm has not changed significantly since provisional maturity the effective date for validated maturity is the same as the original provisional maturity date or the validated maturity date for the input sensor data record (whichever is later). This is summarized in the table below.

EDR Name	Effective Validated Date
Clouds (Cloud Mask, Cloud Phase, Cloud Top Property, Cloud Cover Layers, Cloud Base Height, Daytime and Nighttime Cloud Optical Microphysical Properties)	March 30, 2023
Aerosols (Aerosol Optical Depth, Aerosol Particle Size, Aerosol Detection)	March 30, 2023
Volcanic Ash	March 30, 2023
Active Fires	March 30, 2023
Vegetation Health	March 30, 2023
Ice Surface Temperature and Ice Concentration	May 1, 2023
VIIRS Flood Mapping	December 14, 2023
Sea Surface Temperature (w/N21 LUT)	March 30, 2023
MIRS Products	May 12, 2023