

# NASA/NPOESS NPP – 25 IORD EDRs

**MISSION AREAS**

	Atmosphere		Climate
	Land		Ocean
	Space Env.		RDR/SDR/IP Only

## VIIRS (21)

- Albedo (Surface)
- Cloud Base Height
- Cloud Cover/Layers
- Cloud Effective Part Size
- Cloud Optical Thickness
- Cloud Top Height
- Cloud Top Pressure
- Cloud Top Temperature
- Land Surface Temp<sup>1</sup>
- Surface Type
- Net Heat Flux<sup>1</sup>
- Ocean Color/Chlorophyll<sup>2</sup>
- Suspended Matter
- Vegetation Index
- Aerosol Optical Thickness
- Aerosol Particle Size
- Ice Surface Temperature<sup>3</sup>
- Imagery<sup>3</sup>
- Sea Ice Characterization<sup>3</sup>
- Snow Cover/Depth<sup>3</sup>
- Sea Surface Temperature<sup>3</sup>

**NOTES:**

1. Degraded by surface emissivity knowledge
2. Uncertainty degraded due to sensor limitations
3. No "all weather" capability
4. HCS limitation in cloudy conditions

- Atm Vert Moist Profile<sup>4</sup>
- Atm Vert Temp Profile<sup>4</sup>
- Pressure (Surface/Profile)<sup>4</sup>

## CRIS/ATMS (3)

O<sub>3</sub> Total Column

O<sub>3</sub> Profile (Nadir Only)

## OMPS (1)

## CERES

- Down LW Radiance (Sfc)
- Down SW Radiance (Sfc)
- Net Solar Radiation (TOA)
- Outgoing LW Rad (TOA)

**KEY**

= EDRs with Key Performance Parameters

EDRs not delivered by NPOESS are not counted in totals  
Each sensor produces a unique product in overlap regions

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**NPP  
V17**