

3rd Party Global Products– Help

1. Introduction.

EUMETCast is disseminating also products that are produced by other (non-meteorological) centres. These products add to the already extensive portfolio of data provided.

2. 3rd Party Global products

The following products are processed – results obtained.

product	Temporal resolution	Time Stamp expected	Starting from – to (UTC)	Output format	Unit
GPM-GMI	hr	yyyymmddhhmm	00:00	shape	various
MODIS Global Products	day	yyyymmdd	--	raster	various
VIIRS S-NPP	10 min	yyyymmddhhmm	00:00	raster	various
VIRRS-N20	10 min	yyyymmddhhmm	00:00	raster	various
SMOS Soil Moisture	daily	yyyymmdd	--	raster	n/a

Product name and units additional:

- GPM-GMI: rainfall product (mm), Brightness Temperature (K) for the various channels
- MODIS Global products: Chlorophyll-A (mg m⁻³), Diffuse Attenuation Coefficient for Downwelling Irradiance at 490 nm - KD-490 (m). This unit represents the rate at which light intensity decreases per unit distance (meter) in the water column, Photosynthetically Available Radiation – PAR (Einstein m⁻² d⁻¹), Sea Surface Temperature (°C)
- VIIRS-SNPP and N20: Sea Surface Temperature (K) and Wind Speed (m/s)
- SMOS Soil Moisture: aggregation of 14 to 30 SMOS overpasses into single product, data range / unit from 0 – 1.