

PUMA-2010 UPGRADE



Products Included in the Synergy Upgrade

Category	Product Title	Format	Synergie Product Acronym
MDD Products	Consolidation of MDD stream, change of channel, no LRIT wrapping, use of wmo filenames	N/A	Obs Plotting, Alpha viewing
MDD Products	Fire Product - MODIS - Multimission / filename change	HDF5	Satellite: MODIS : Risk of fire (terra, aqua)
MDD Products	GFS and GEFS model analyses and forecast data - NOAA NCEP / html catalog	Web Tree (HTML/Images)	New shortcut in desktop bar
MDD Products	LAM Data - modified 2 fields now missing	GRIB	Models: UK/0.3
MDD Products	ECMWF WMO essential and additional forecast data (0.50 grid). Fields:GH, T, u, v, MSL pressure, relative humidity, divergence, vorticity, wave height, wave mean period, wave mean direction (see link for more details). Every 6-hours	GRIB2	Models: ECMWF GLB2/0.5
			Models: ECMWF-TROPI/0.5
			Models: ECMWF-AFR/0.5
MDD Products	ACMAD data (0.50 grid). U,v, Divergence, 2m T, 10m u, 10m v, total precipitation	GRIB2	Model: ECMWF GLOB/0.5
MDD Products	Wave Model Outputs for significant Wave Height, wave mean period, wave mean direction	GRIB2	Wave model: ECMWF/GLOB05
MDD Products	Meteo-France Forecast Products for Africa - NWP Model	GRIB2	Model: ARP-AFR/0.5
MDD Products	MDD T4 charts, part of MDD1, - now replaced by PNG, new WMO headers	PNG	New shortcut in desktop bar
MDD Products	ATDnet Lightning Detection Product	BUFR	Lightning: UKMO Lightning impacts

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ATOVS Sounding Products	ATOVS Sounding Products - NOAA	BUFR	Satellite: NOAA: MO 31.4Ghz Satellite: NOAA: MO 89.0Ghz Satellite: NOAA: MO 157.0Ghz
ATOVS Sounding Products	ATOVS Sounding Products - Metop	BUFR	Satellite: Metop: MO 31.4Ghz Satellite: Metop: MO 89.0Ghz Satellite: Metop: MO 157.0Ghz
OSI SAF Products	ASCAT Coastal Winds at 12.5 km Swath Grid - Metop	BUFR	Obs Plotting: Surface: ASCAT
OSI SAF Products	ASCAT Winds and Soil Moisture at 25 km Swath Grid - Metop	BUFR	[Soil moisture] Satellite: METOP: Soil Moisture [Winds] Obs Plotting: Surface: ASCAT
OSI SAF Products	Full Resolution Sea Surface Temperature (SST)	Netcdf	
OSI SAF Products	Hourly Sea Surface Temperature - MSG	GRIB2	Satellite: MSG: SST
OSI SAF Products	Global Sea Surface Temperature - Metop	GRIB2	Satellite: METOP: SST
OSI SAF Products	Hourly Sea Surface Temperature - GOES	GRIB2	Satellite: GOESE: Hourly Sea Surface Temperature
OSI SAF Products	Hourly Shortwave Solar Irradiance - MSG	GRIB2	Satellite: MSG: Hourly Shortwave Solar Irradiance
OSI SAF Products	Daily Shortwave Solar Irradiance - MSG	GRIB2	Satellite: MSG: Daily Shortwave Solar Irradiance
OSI SAF Products	Hourly Shortwave Solar Irradiance - GOES	GRIB2	Satellite: GOESE: Hourly Shortwave Solar Irradiance
OSI SAF Products	Daily Shortwave Solar Irradiance - GOES	GRIB2	Satellite: GOESE: Daily Shortwave Solar Irradiance

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OSI SAF Products	Hourly Downward Longwave Irradiance - GOES	GRIB2	Satellite: GOESE: Hourly Downward Longwave Irradiance
OSI SAF Products	Hourly Downward Longwave Irradiance - MSG	GRIB2	Satellite: MSG: Hourly Downward Longwave Irradiance
OSI SAF Products	Daily Downward Longwave Irradiance - MSG	GRIB2	Satellite: MSG: Daily Downward Longwave Irradiance
OSI SAF Products	Daily Downward Longwave Irradiance - GOES	GRIB2	Satellite: GOESE: Daily Downward Longwave Irradiance
FY-2 Products	Surface Solar Irradiance Product - FengYun 2D	AWX	Satellite: FY2D: Surf. Solar Irrad.
FY-2 Products	Precipitation Estimation Product - 6 & 24 Hours - FengYun 2D	AWX	Satellite: FY2D: Precip. Est. 6H, Precip Est 24H
			Satellite: FY2D: Precip. Est. 6H, Precip Est 24H
FY-2 Products	Normalized Geostationary Projection Dataset - FengYun 2D	HDF	IR1 (10,8 μm) : 134/0
			IR2 (12,0 μm) : 155/0
			IR3 (6,7 μm) : 135/0
			IR4 (3,8 μm) : 151/0
			VIS (0,7 μm) : 141/0
			VIS1km(0,7 μm) : 162/0
			CompoCol : 226/0
FY-2 Products	Humidity product analysed by cloud information - FengYun 2D	AWX	Satellite: FY2D: HPF 300 HPA
			Satellite: FY2D: HPF 400 HPA
			Satellite: FY2D: HPF 500 HPA
			Satellite: FY2D: HPF 700 HPA
			Satellite: FY2D: HPF 800 HPA
			Satellite: FY2D: HPF 900 HPA
			Satellite: FY2D: HPF 1000 HPA

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FY-2 Products	Atmospheric Motion Vectors IR1 and IR3 - FengYun 2D	AWX	Obs Plotting: Altitude: SATOB
			Obs Plotting: Altitude: SATOB
FY-2 Products	Cloud Classification Product - FengYun 2D	AWX	Satellite: FY2D: Cloud class.
FY-2 Products	Blackbody brightness temperature - FengYun 2D	AWX	Satellite: FY2D: BB Bright Temp 1H
			Satellite: FY2D: BB Bright Temp 24H
			Satellite: FY2D: BB Bright Temp 120H
			Satellite: FY2D: BB Bright Temp 240H
			Satellite: FY2D: BB Bright Temp 720H
FY-2 Products	Outgoing Longwave Radiation Product - FengYun 2D	AWX	Satellite: FY2D: OLR 3H
			Satellite: FY2D: OLR 24H
FY-2 Products	Total Cloud Amount Product - FengYun 2D	AWX	Satellite: FY2D: Tot. Cloud Amount
LSA SAF Products	Fire Radiative Power Pixel - MSG	HDF5	Satellite: LSAF / Risk of fire map
JASON-2 OGDR	Operational Geophysical Data Record - Sea Surface Height Anomaly - Jason-2	NetCDF-1	Satellite: JASON2: Sea Surface Height Anomaly