



# Status of PUMA 2010 upgrade

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# Background

- In 2010 the AMESD programme installed a new set of “Puma 2010” stations;
- Functionality included processing and visualisation for products that were present on EUMETCast Africa in 2010. Since then the disseminated list of products for the meteorological users has evolved;
- In order to enable the users to make use of the new products, it is necessary to enhance the functionality of the reception stations and of the processing and visualisation stations.



# Upgrade Overview

- Functional Upgrades
  - Upgrades of PUMA 2010 processing/visualisation for the defined list of products
    - Update of Archipel on processing station
    - Update of Synergie on visualisation station
    - Associated system updates
- Non-Functional Upgrades
  - System integration with EUMETSAT
  - Documentation Re-engineering activities:
    - Technical Note, User Manual, Administrator Manual (as needed)
    - List of Products



# Upgrade Planning

- Software upgrade in development – ongoing;
- Software delivery to EUMETSAT for testing & integration September 2013;
- Release to PUMA 2010 users October/November 2013;
- Delivery will be via EUMETCast and install instructions will be provided as per previous software patches.







# Products included in software upgrade

Category	ProductTitle	Format	File pattern on EUMETCast
ATOVS Sounding Products	<a href="#">ATOVS Sounding Products - Metop</a> <a href="#">ATOVS Sounding Products - NOAA</a>	BUFR	atovs_.*_metop.*_eps_o.l2_bufr atovs_.*_noaa.*_eps_o.l2_bufr
OSI SAF SST Products	<a href="#">Full Resolution Sea Surface Temperature (SST)</a>	Netcdf	S-OSI_-FRA_-MTOP-MGRSST_FIELD-*.nc.bz2
OSI SAF SST Products	<a href="#">Global Sea Surface Temperature - Metop</a> <a href="#">Hourly Sea Surface Temperature - GOES</a> <a href="#">Hourly Sea Surface Temperature - MSG</a>	GRIB2	S-OSI_-FRA_-MTOP-GLBSST_FIELD.* S-OSI_-FRA_-GOES-H__SST_* S-OSI_-FRA_-MSG_-H__SST_*
OSI SAF SSI Products	<a href="#">Daily Shortwave Solar Irradiance - GOES</a> <a href="#">Daily Shortwave Solar Irradiance - MSG</a> <a href="#">Hourly Shortwave Solar Irradiance - GOES</a> <a href="#">Hourly Shortwave Solar Irradiance - MSG</a>	GRIB2	S-OSI_-FRA_-GOES-D__SSI_* S-OSI_-FRA_-MSG_-D__SSI_* S-OSI_-FRA_-GOES-H__SSI_* S-OSI_-FRA_-MSG_-H__SSI_*
OSI SAF DLI Products	<a href="#">Daily Downward Longwave Irradiance - GOES</a> <a href="#">Daily Downward Longwave Irradiance - MSG</a> <a href="#">Hourly Downward Longwave Irradiance - GOES</a> <a href="#">Hourly Downward Longwave Irradiance - MSG</a>	GRIB2	S-OSI_-FRA_-GOES-D__DLI_* S-OSI_-FRA_-MSG_-D__DLI_* S-OSI_-FRA_-GOES-H__DLI_* S-OSI_-FRA_-MSG_-H__DLI_*
FY-2 Products	<a href="#">Atmospheric Motion Vectors IR1 and IR3 - FengYun 2D</a>	AWX	Z_SATE_C_BABJ_.*_O_FY2D_AMV_IR.*_.*_OTG.AWX.gz
FY-2 Products	<a href="#">Blackbody brightness temperature - FengYun 2D</a>	AWX	Z_SATE_C_BABJ_.*_O_FY2D_TBB_IR.*_.*_NOM.AWX.gz
FY-2 Products	<a href="#">Cloud Classification Product - FengYun 2D</a>	AWX	Z_SATE_C_BABJ_.*_O_FY2D_CLT_MLT_.*_NOM.AWX.gz
FY-2 Products	<a href="#">Humidity product analysed by cloud information - FengYun 2D</a>	AWX	Z_SATE_C_BABJ_.*_O_FY2D_HPF_MLT_.*_NOM_.*hPa.AWX.gz
FY-2 Products	<a href="#">Normalized Geostationary Projection Dataset - FengYun 2D</a>	HDF	Z_SATE_C_BABJ_.*_O_FY2D_FDI_.*_.*_NOM.HDF.gz
FY-2 Products	<a href="#">Outgoing Longwave Radiation Product - FengYun 2D</a>	AWX	Z_SATE_C_BABJ_.*_O_FY2D_OLR_MLT_.*_NOM.AWX.gz
FY-2 Products	<a href="#">Precipitation Estimation Product - 6 &amp; 24 Hours - FengYun 2D</a>	AWX	Z_SATE_C_BABJ_.*_O_FY2D_PRE_.*_NOM.WX.gz
FY-2 Products	<a href="#">Surface Solar Irradiance Product - FengYun 2D</a>	AWX	Z_SATE_C_BABJ_.*_O_FY2D_SSI_MLT_.*_OTG.AWX.gz
FY-2 Products	<a href="#">Total Cloud Amount Product - FengYun 2D</a>	AWX	Z_SATE_C_BABJ_.*_O_FY2D_CTA_MLT_.*_NOM.AWX.gz