

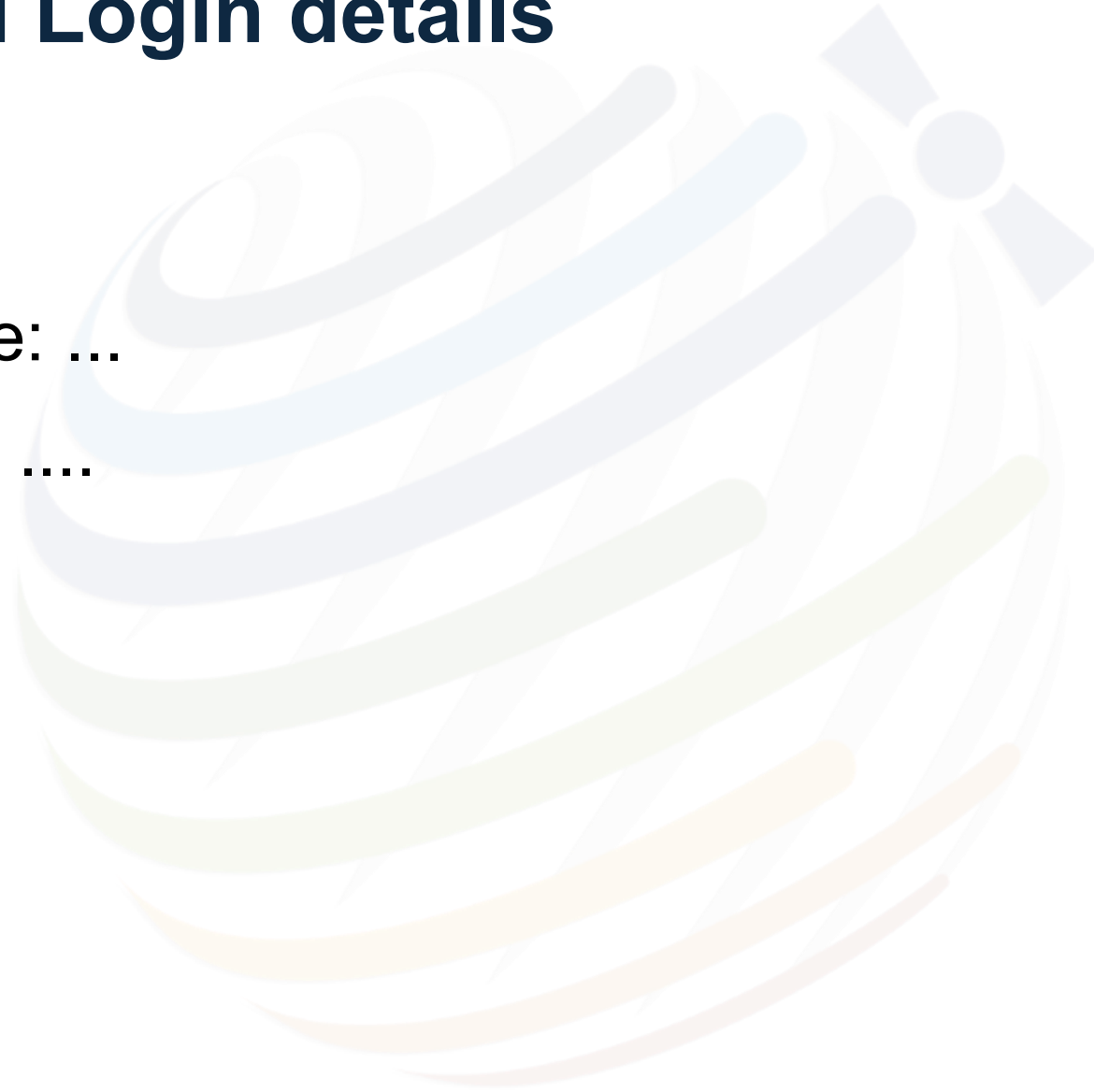
An Introduction to PUMA-2025



Access and Login details

User Name: ...

Password:





Accessing Data (Satellite, NWP and MDD)

1. Click on the queues
2. Choose layout
3. Choose channel/product
4. Choose area
5. Choose time
6. Click load

Layouts	
+ Satellite	
+ Queue	
+ Saved	
+ Ascat	
Ecowas	
HSaf	
+ Mdd	
+ Mtg	
Noaa	
+ NwcSaf	
+ Nwp	
+ Saf	
+ Tamsat	

The screenshot displays the TECNAVIA PUMA2025 web application. The interface includes a sidebar with navigation options such as Data Browser, Overview, Status, Documentation, Admin, and Other. The main content area is titled 'FastOpen' and contains three panels: Layouts, Channels, and Images. The Layouts panel is highlighted with a red box, showing a tree structure with 'Satellite' selected, containing 'Msg', 'Iodc', 'Mtg', 'Fci', 'Queue', 'Saved', 'Ascat', 'Ecowas', 'HSaf', 'Mdd', 'Mtg', 'Noaa', 'NwcSaf', 'Nwp', and 'ecmwf_africa'. The Channels panel shows a list of channels like '_vis_06', '_vis_08', '_nir_16', etc. The Images panel shows a list of image files with checkboxes for selection. A 'Load' button is at the bottom right.



Satellite Imagery

MSG (channels and RGBs)

MTG (channels and RGBs)

Task: Compare MSG 10.8 and MTG 10.5 and deduce any differences

skyceiver.local/skyceiver/public/weather/index/skyceiver/unique_id/local

TECNAVIA

PUMA2025

Welcome Admin

MSG MTG ECMWF MF UKMET AVIATION My Products Queues

MSG3 01/May/2025 08:30 h-000 I108

Queues 1

Data Browser

- Skyceiver
- PUMA2025 (PUMA2025-1)
- PUMA2025 (PUMA2025-2)
- ClimSA Analysis (ClimSA-2)
- ClimSA Processing (ClimSA-1)

Overview

- Status
- Documentation

Admin

- PUMA2025 Config
- System Admin
- User Admin

Other

- Support
- System
- Info

20N 20N 0N 0N 0E 20E



NWP DATA

FastOpen

Layouts

- + Mdd
- + Mtg
- Noaa
- + NwcSaf
- Nwp
 - ecmwf_africa
 - ecmwf_global**
 - ecmwf_global2
 - ecmwf_tropics
 - mf
 - NCPE
 - ukmo
 - ukmo_africa17km
 - ukmo_africa4km
- + Saf
- + Tamsat

Runs

- 20250510120000**
- 20250510000000
- 20250509120000
- 20250509000000
- 20250508120000
- 20250508000000
- 20250507120000
- 20250507000000
- 20250506120000
- 20250506000000
- 20250505120000

Areas

- ☒ Africa
- ☐ Africa_ecmwf
- ☐ Eq_nord_05km
- ☐ Global

Products

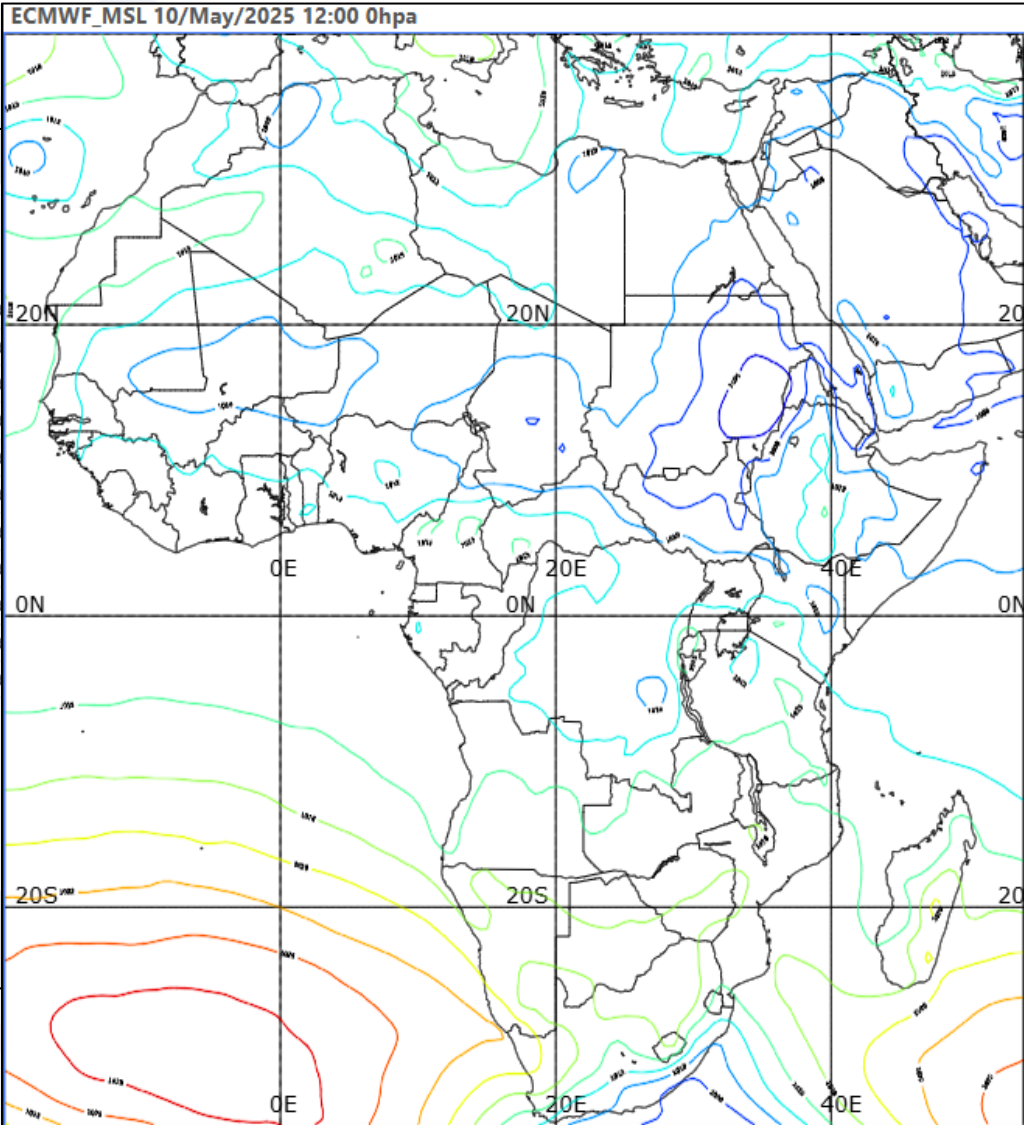
- Geopotential Height
- 500hpa [0h-240h]
- Mean Sea Level Pressure
- ground [0h-240h]**
- + Mean Wave Direction
- + Mean Wave Period
- + Relative Humidity
- + Significant Wave Height 2m
- + Significant Wave Height 4m
- + Significant Wave Height 6m
- + Significant Wave Height 8m
- + Significant height combined wind, waves a...
- + Temperature
- + Total Precipitation 10mm
- + Total Precipitation 20mm

contour gradient

Images

- nwp/ecmwf_globe
- nwp/ecmwf_globe
- nwp/ecmwf_globe
- nwp/ecmwf_globe
- nwp/ecmwf_globe
- nwp/ecmwf_globe
- nwp/ecmwf_globe
- nwp/ecmwf_globe
- nwp/ecmwf_globe
- nwp/ecmwf_globe

Import





METARS and TAFs

FastOpen

Layouts

img

Fci

+ Queue

+ Saved

+ Ascet

Ecawas

HSaf

- Mdd

Metar-Taf

search text

+ Mtg

Noaa

+ NwcSaf

- Nwp

ecmwf_africa

ecmwf_global

ecmwf_global2

Import

Dataset

20250510

20250509

20250508

20250507

20250506

20250505

20250504

20250503

20250502

20250501

20250430

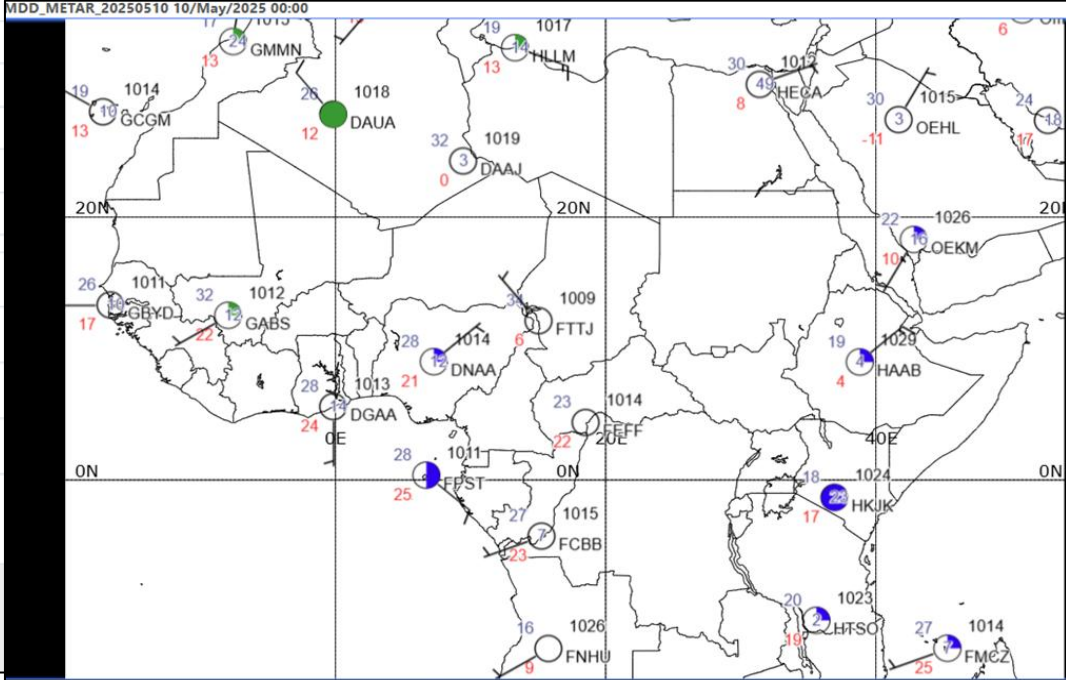
Images

By numbers

Selected: 1 / 1

mdd/metar_taf/20250510

MDD_METAR_20250510 10/May/2025 00:00



Images 1 / 1

Current image 1

Skip

speed: 200

pause: 200

Q<1

Q1:1

Q>1

equirect

6 Km/px - 8.42

Saturday, 05/10/2025, 00:00

Edit mode

Tools

grid

Mdd

Opacity

Mdd - metar_taf

20250510

Show:

Last timestamp is current time

Add vector layer

image

satellite

Opacity

Select

Sat 10 00:00:00

AESA CONSORTIUM

European Commission
JOINT RESEARCH CENTRE

EUMETSAT

TECNAVIA

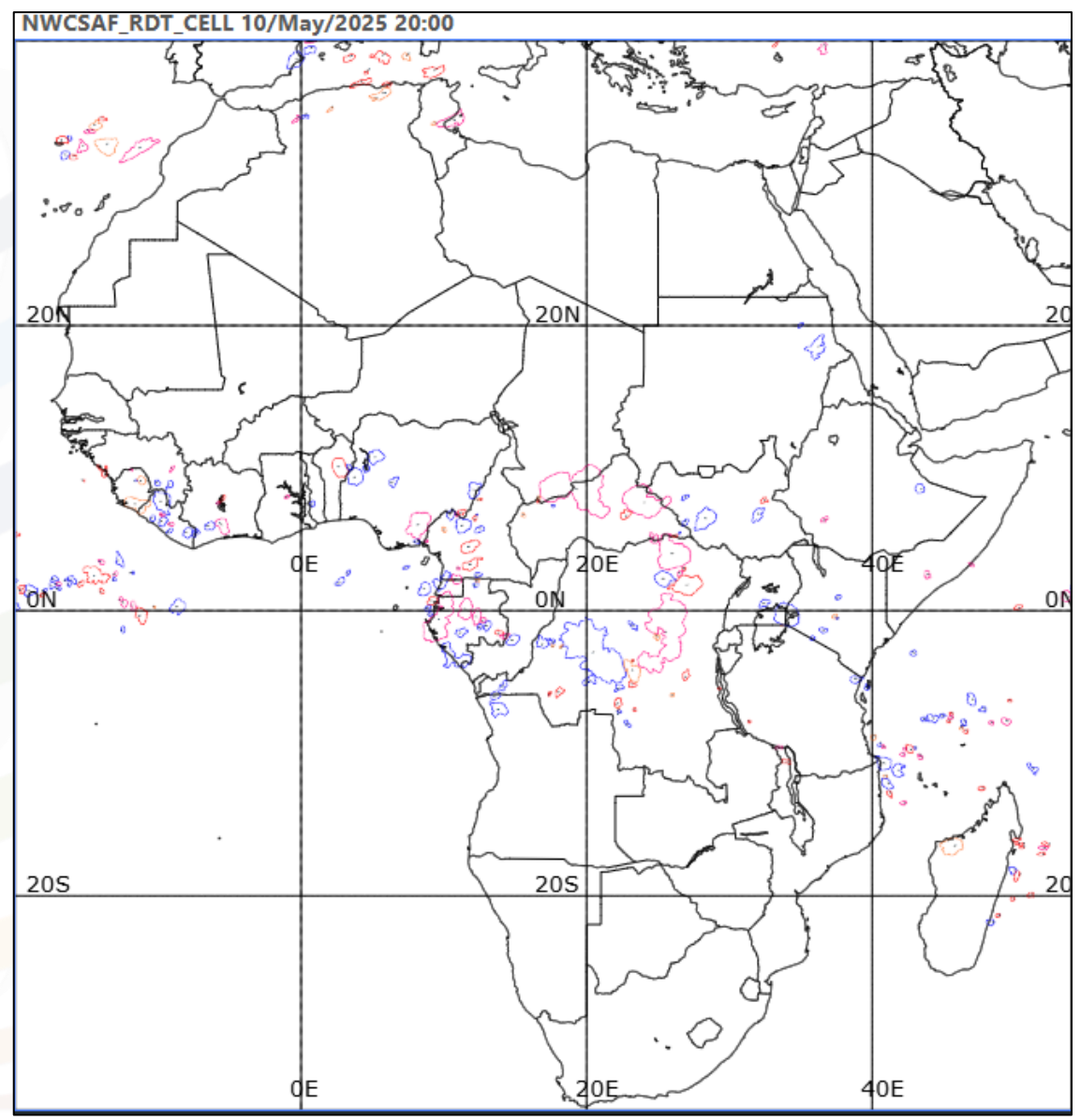
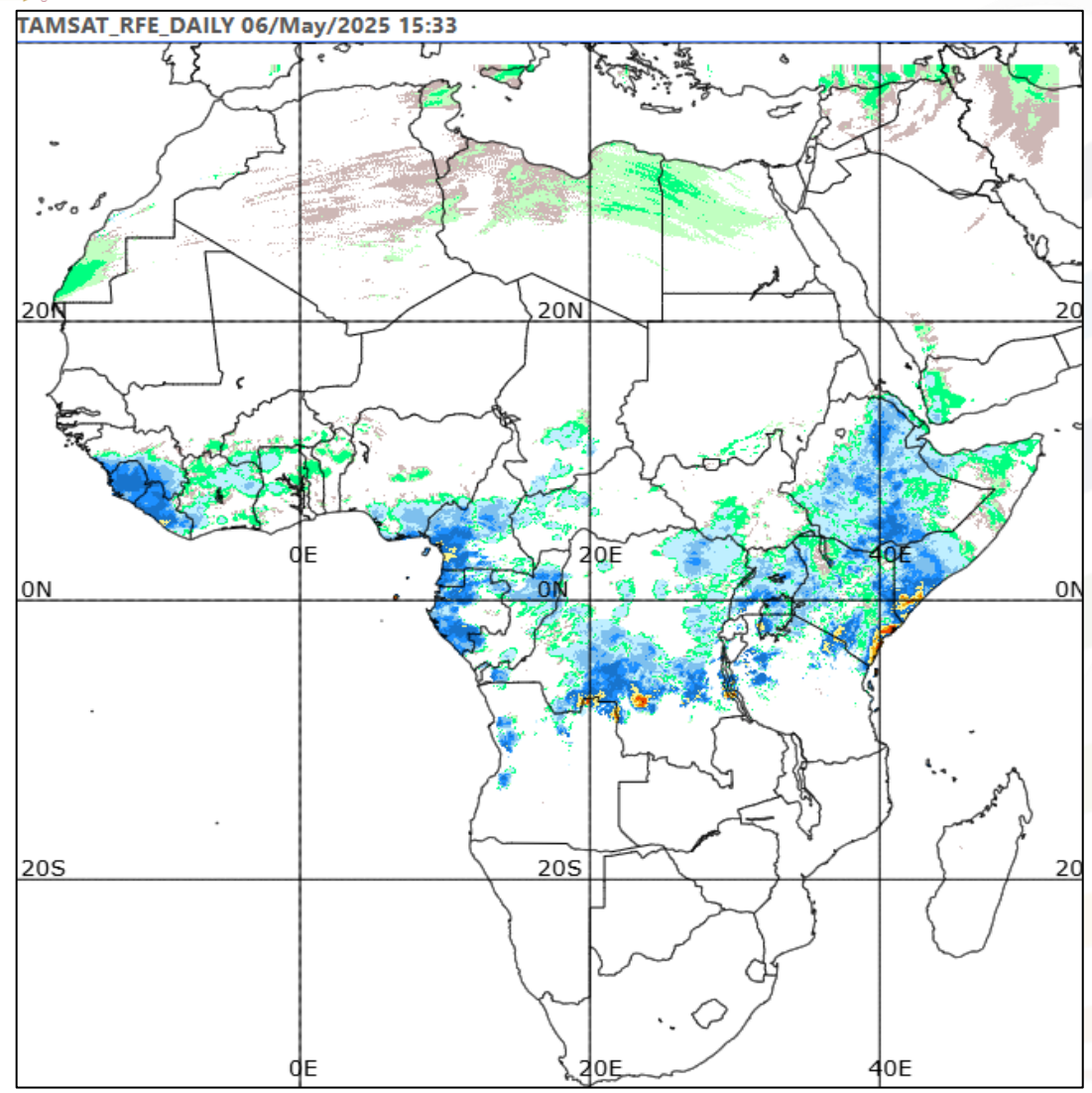
KENYA METEOROLOGICAL DEPARTMENT

CILSS

EAMAC



TAMSAT, NWC SAF





...now let us look at PUMA 2025
functionalities and new MTG products in
details...