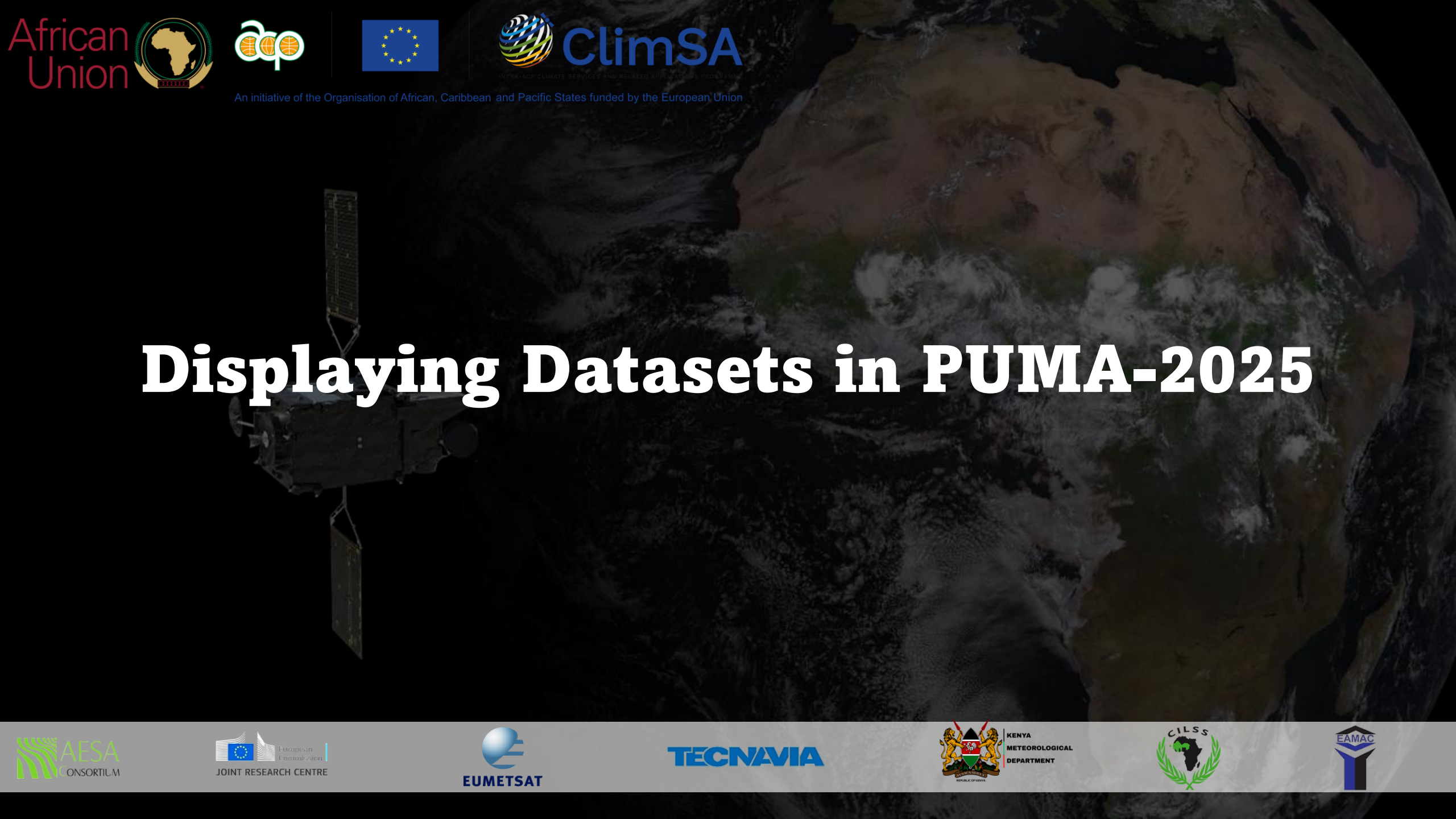

African Union
ClimSA
An initiative of the Organisation of African, Caribbean and Pacific States funded by the European Union
Displaying Datasets in PUMA-2025
AESA CONSORTIUM
European Commission
JOINT RESEARCH CENTRE
EUMETSAT
TECNAVIA
KENYA METEOROLOGICAL DEPARTMENT
CILSS
EAMAC

Session Goals

- Display various data sets, (selecting data sets, area, time, zoom)
- Adjusting display time
- Animations
- Tiles (different resolution)

Session Outline

1. Satellite data

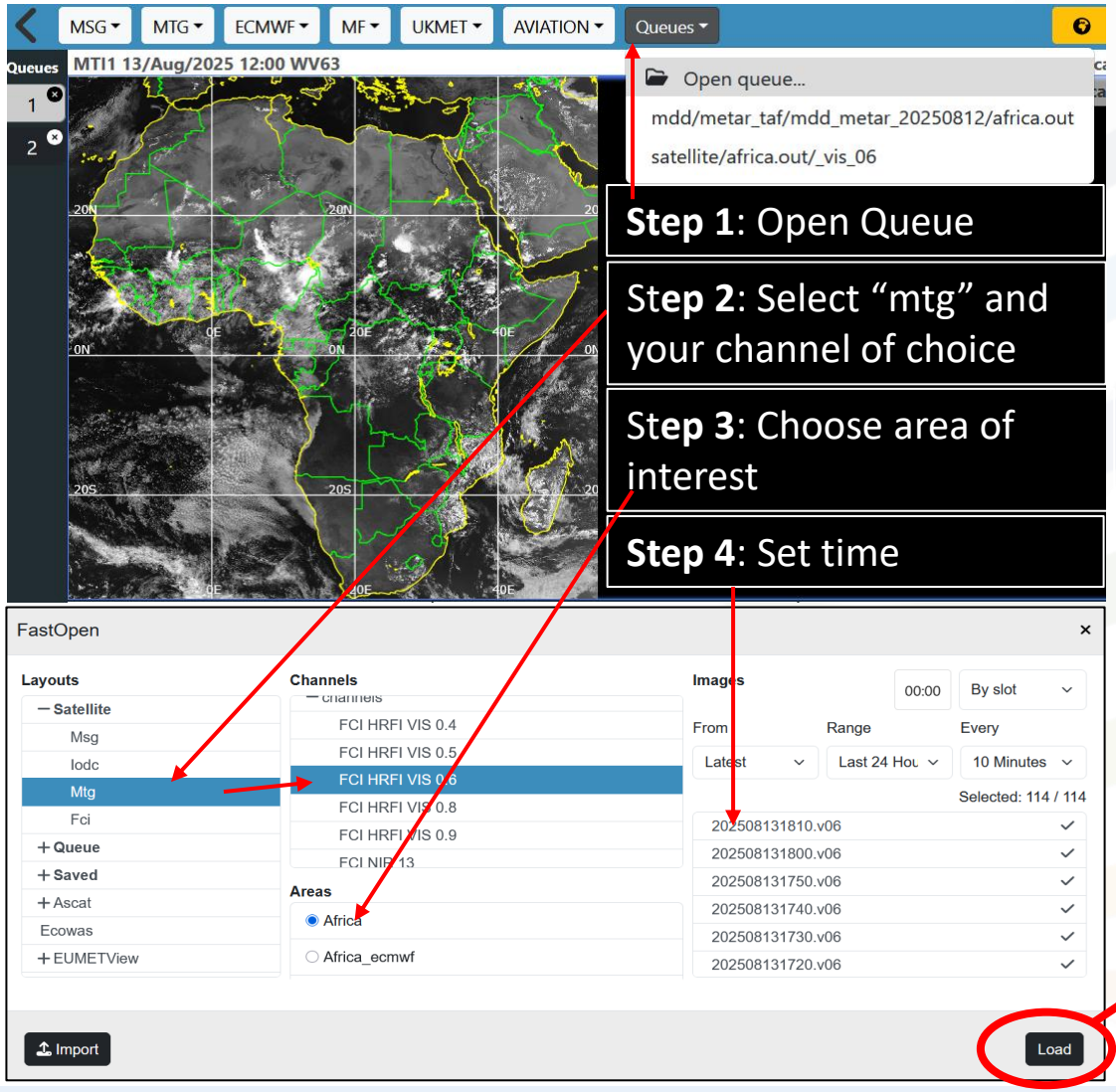
   Single channels (changing color pallets)

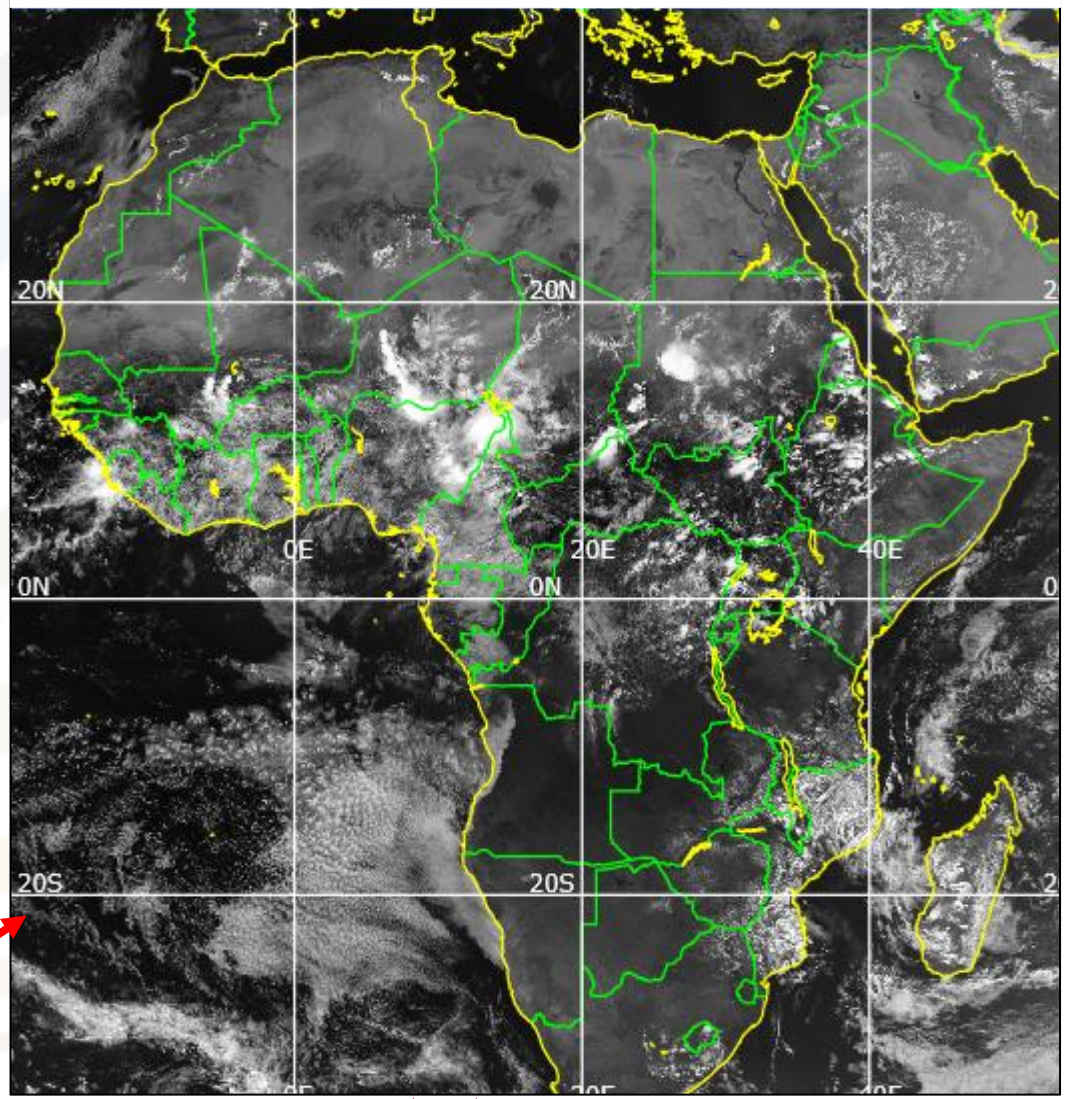
   RGBs

2. NWP data(selecting the model, run time, data type and level)
3. Displaying METAR, SYNOP, TAF, SIGMET (Meteorological Dissemination Data (MDD)

Satellite Data

Displaying Single Satellite Channels





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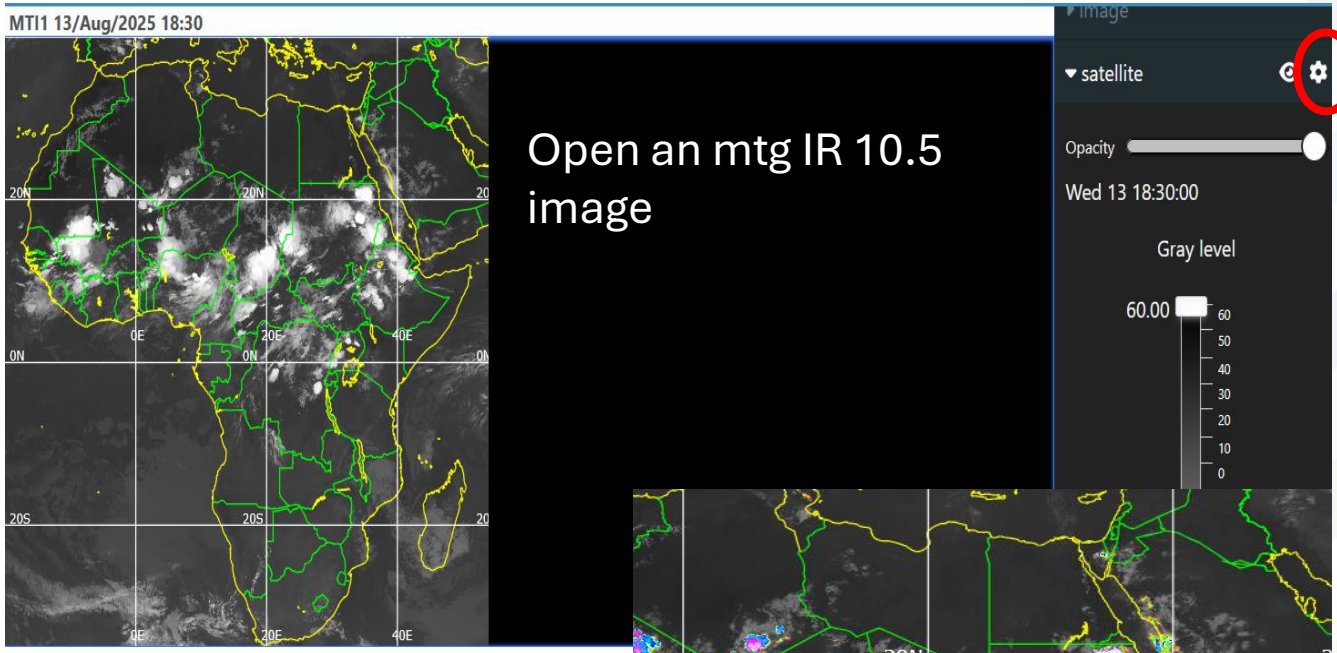
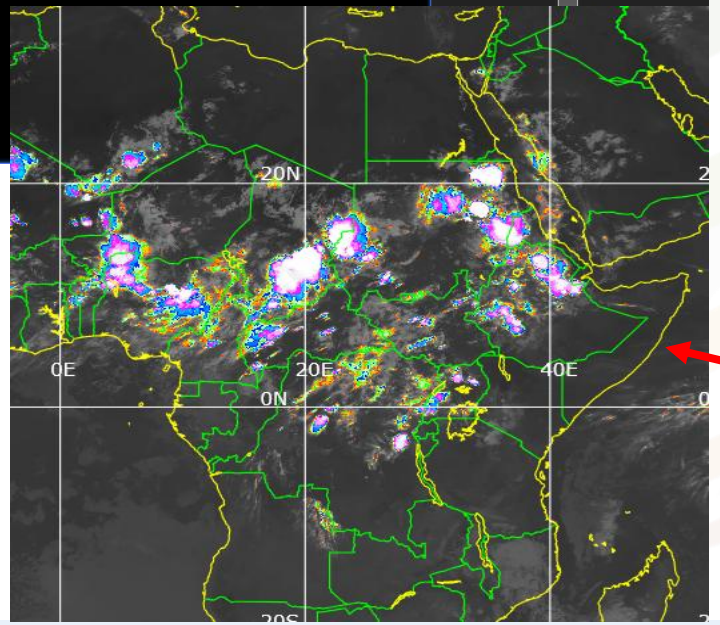
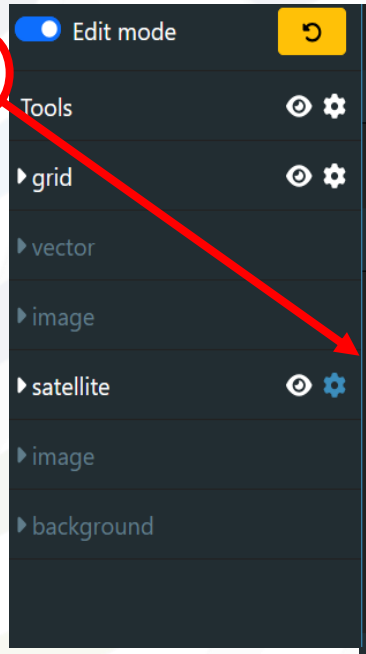
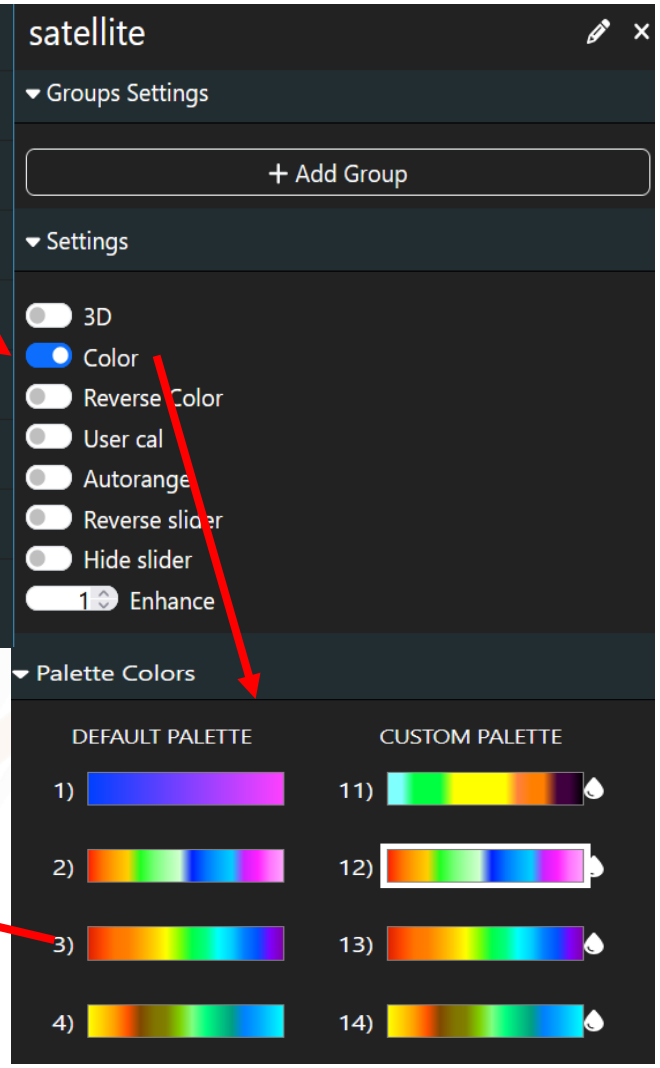
Adjusting Colour Pallets for Single Satellite Channels



Open an mtg IR 10.5 image

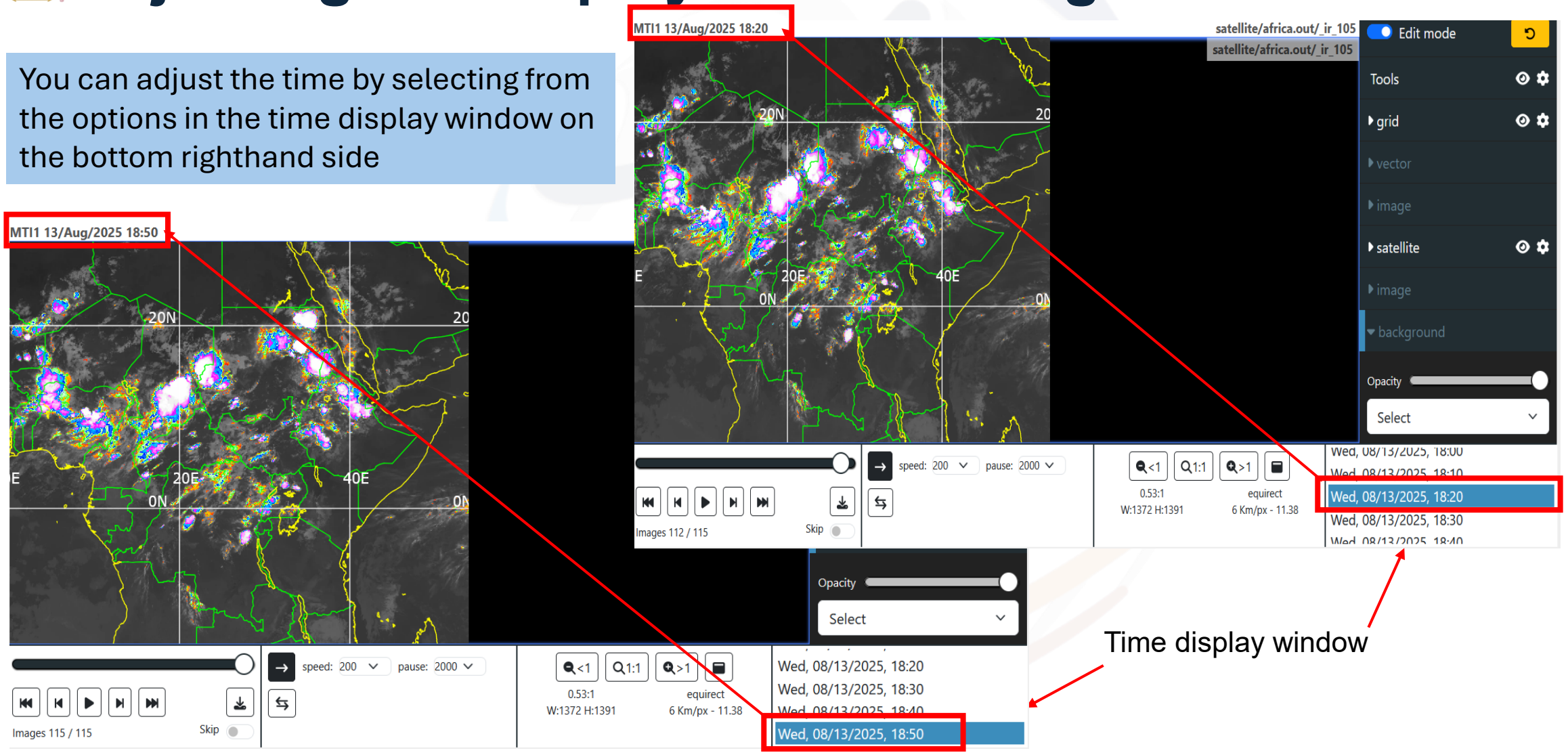




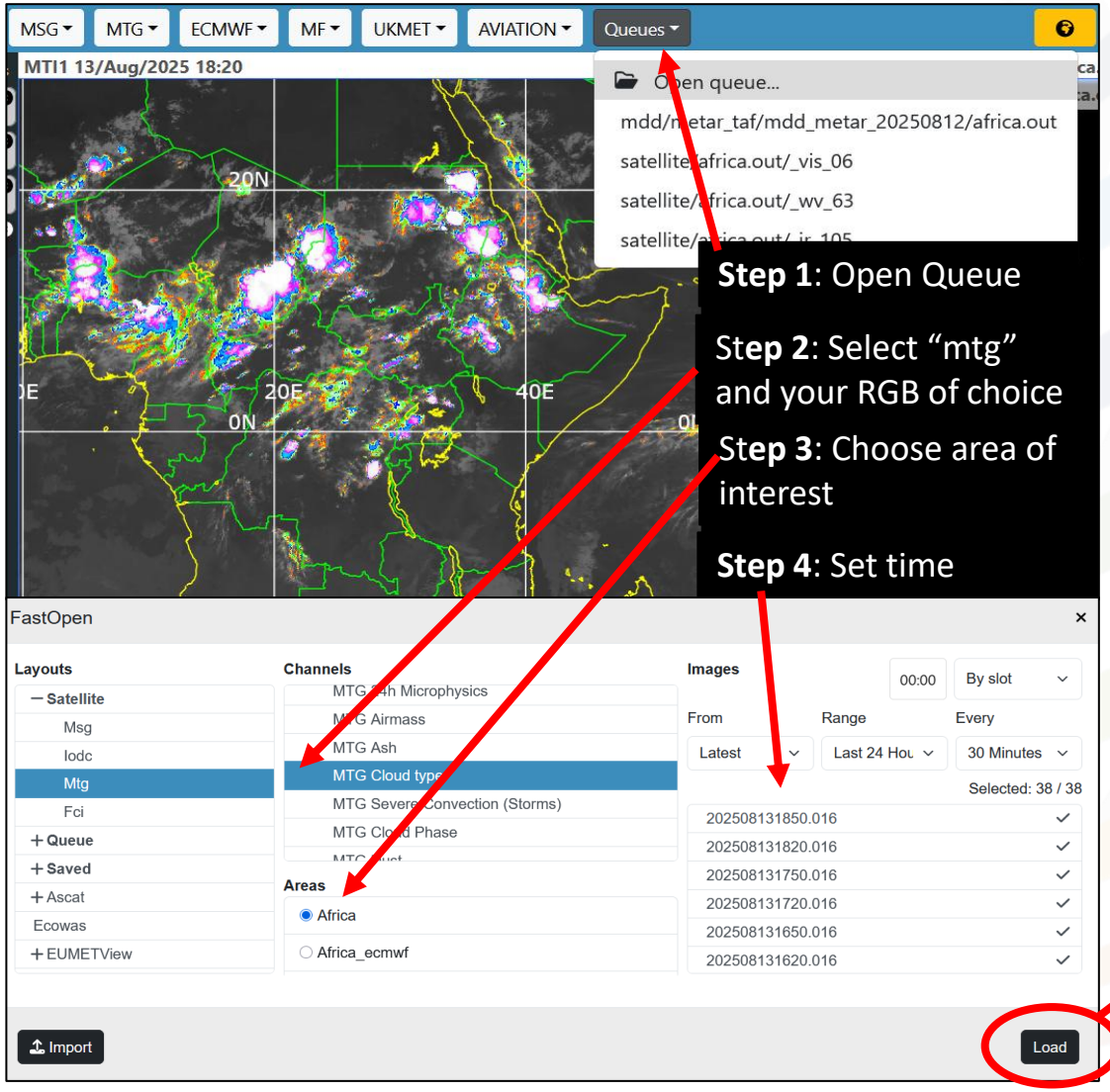


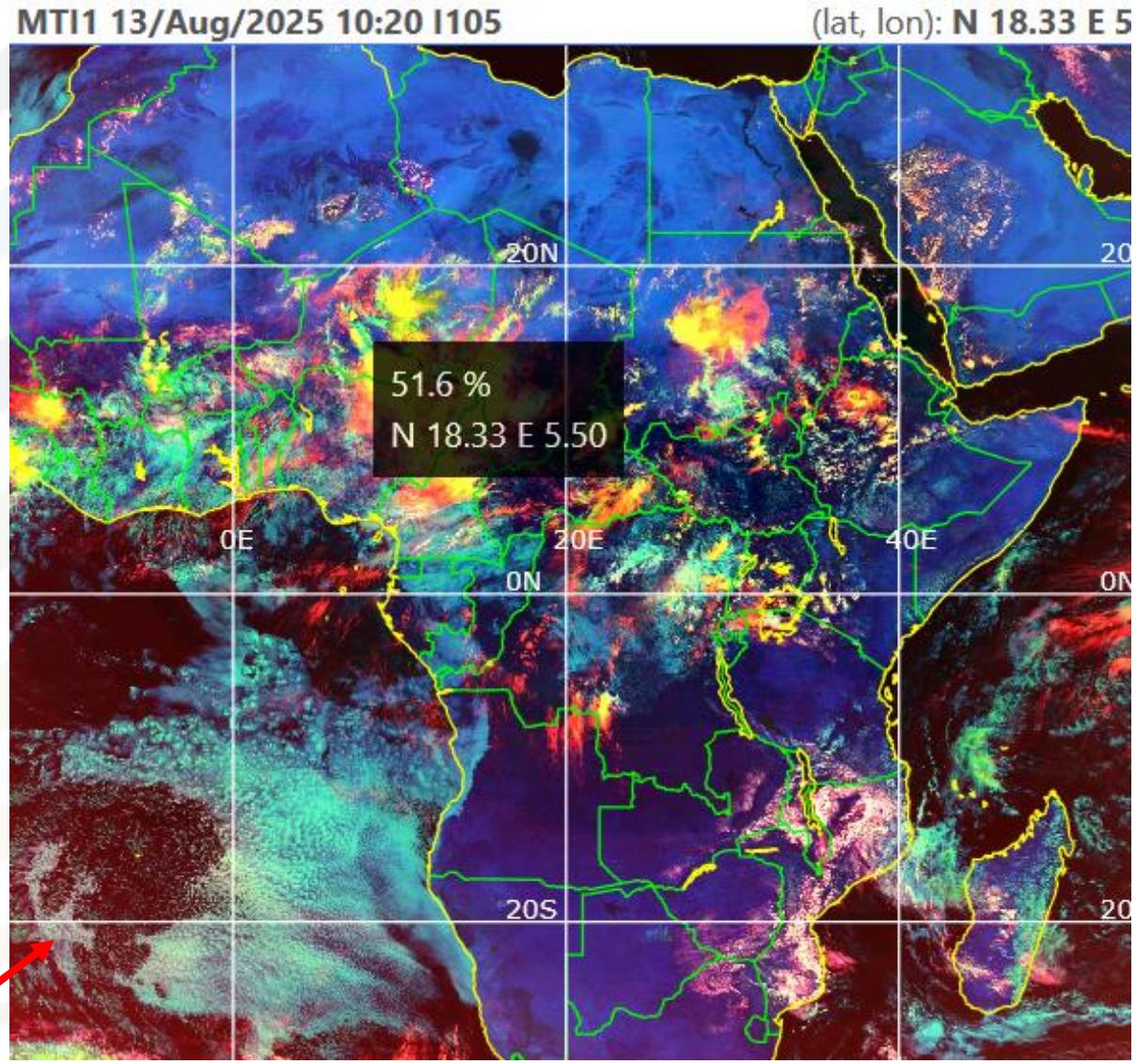
Adjusting the Display Time on Single Satellite Channels

You can adjust the time by selecting from the options in the time display window on the bottom righthand side



Displaying RGB Products





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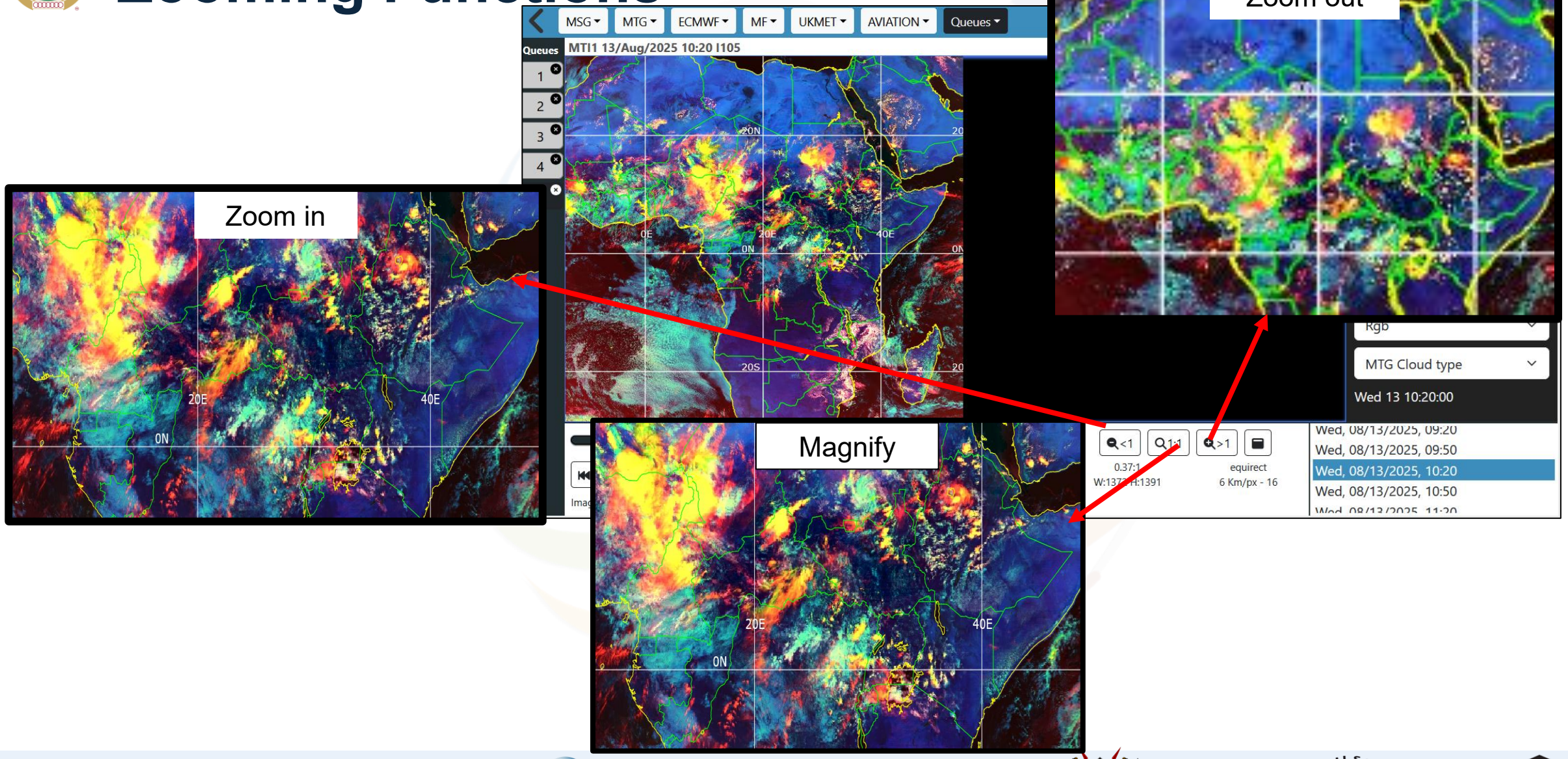
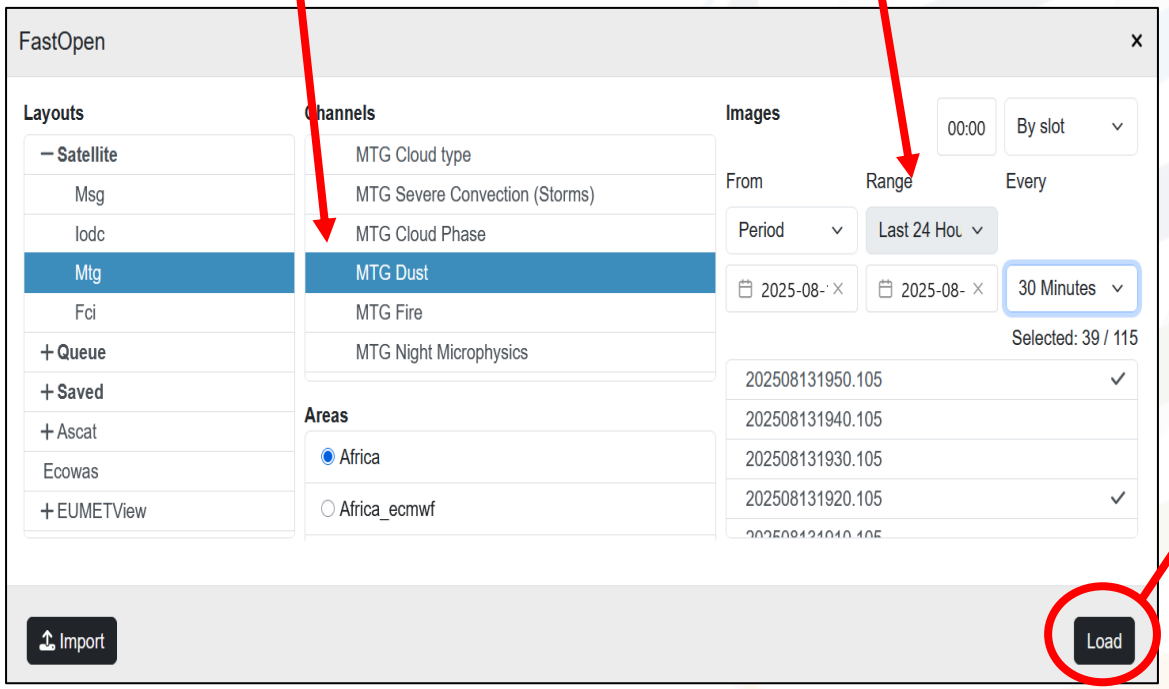
Zooming Functions

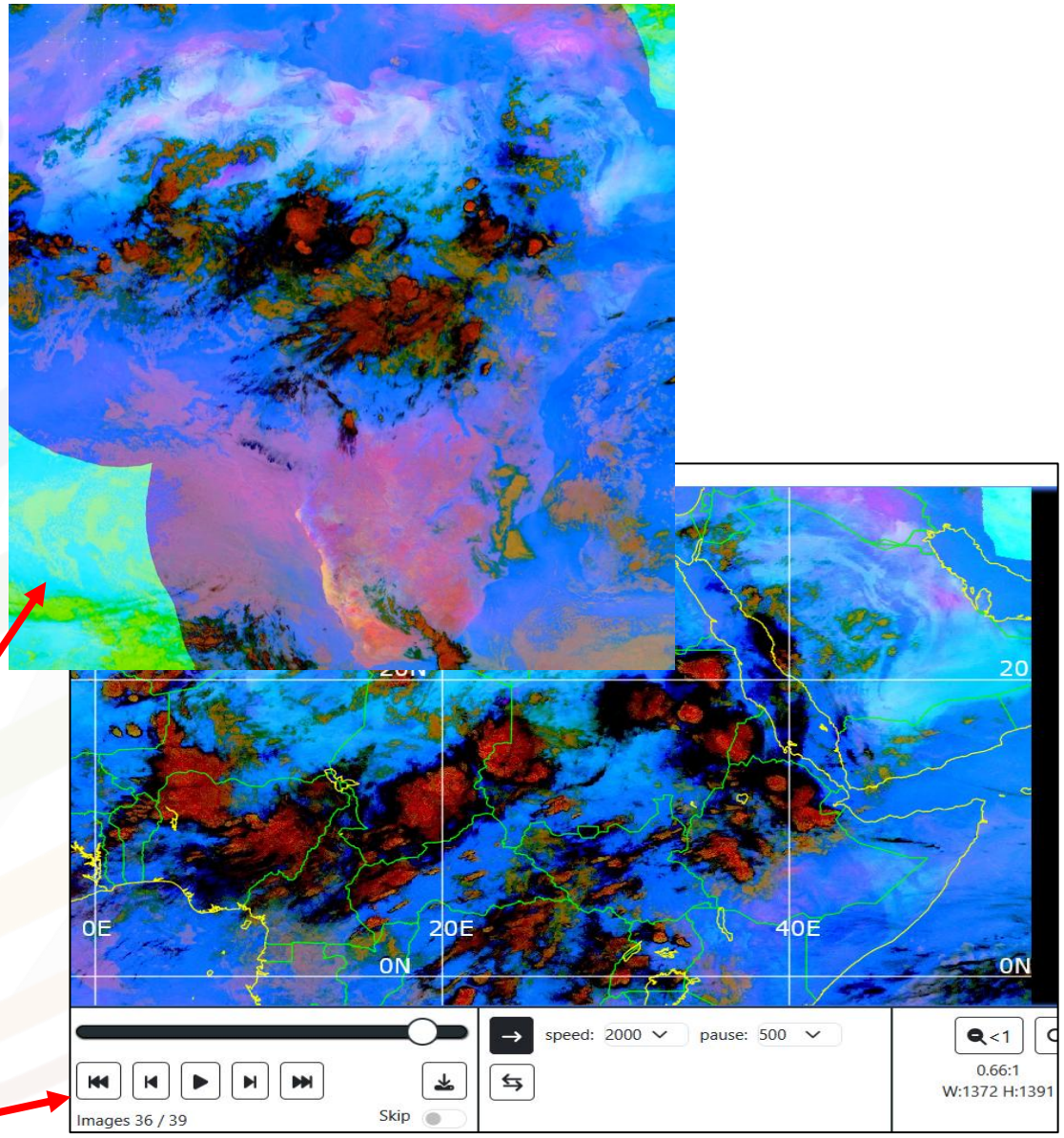


Animate your Imagery

Step 1: Open a new queue
Step 2: Choose your MTG RGB

Step 3: Set time range





Step 4: Use the control buttons

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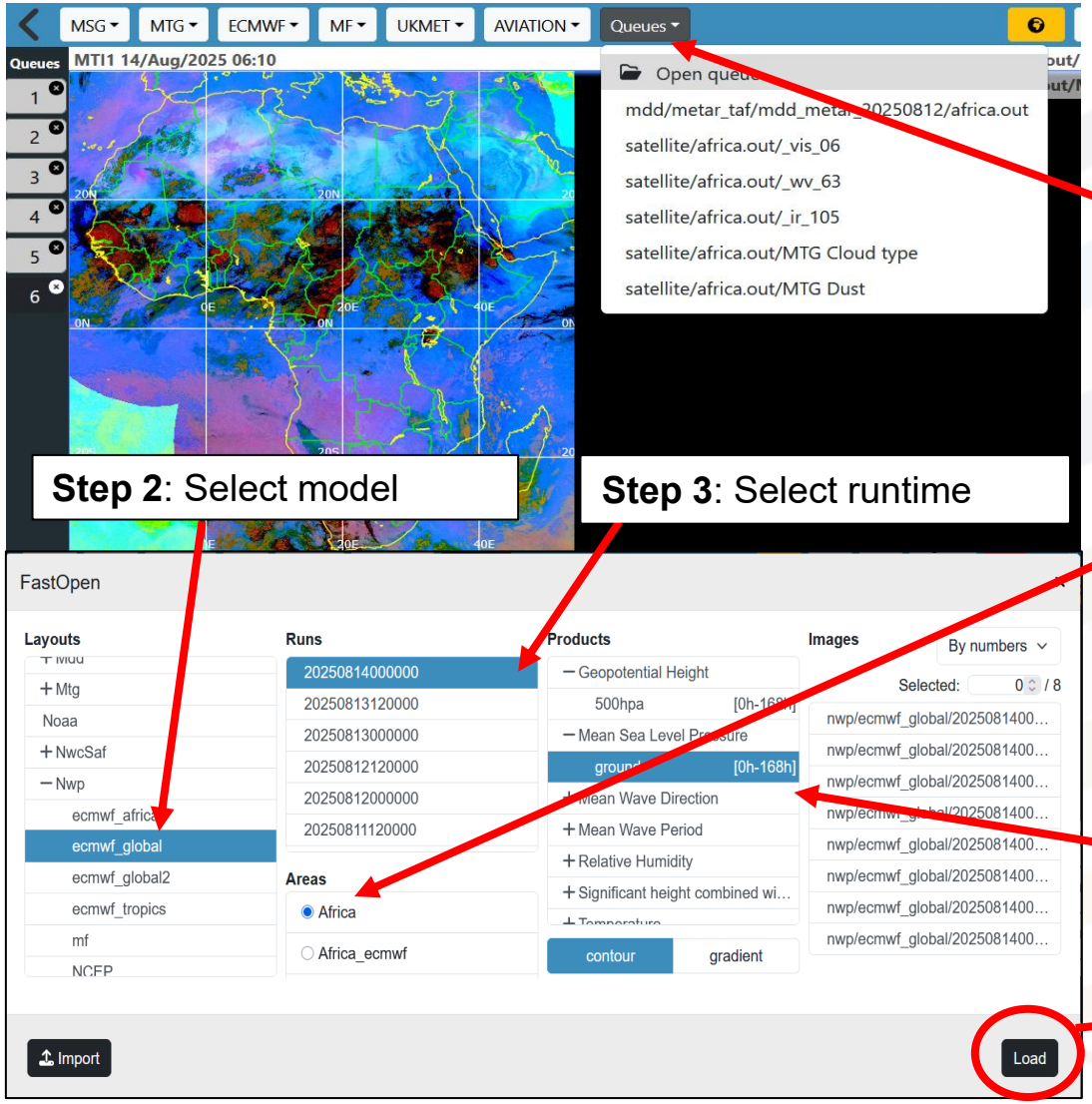
Note: All effects (zooming, Animation, tiles) applied to the RGBs can also be applied to single channels by following the process laid out above

NWP Data

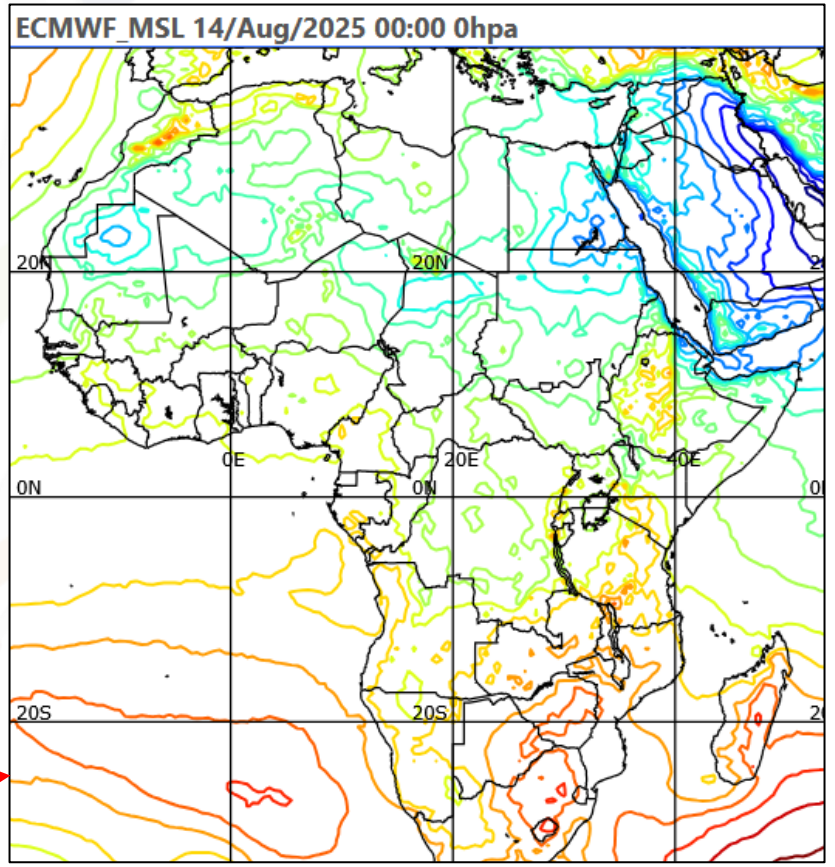
Displaying NWP Products (Model Selection)



Step 1: Open a new queue

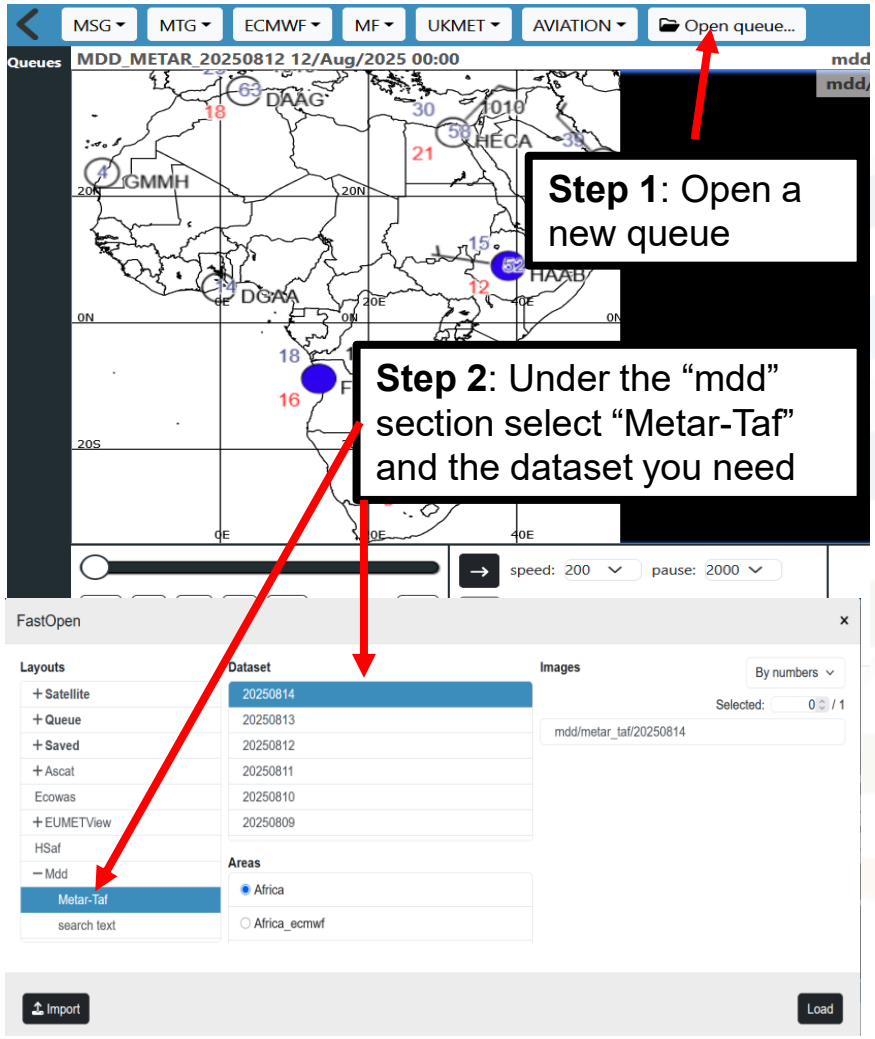
Step 4: Select the location

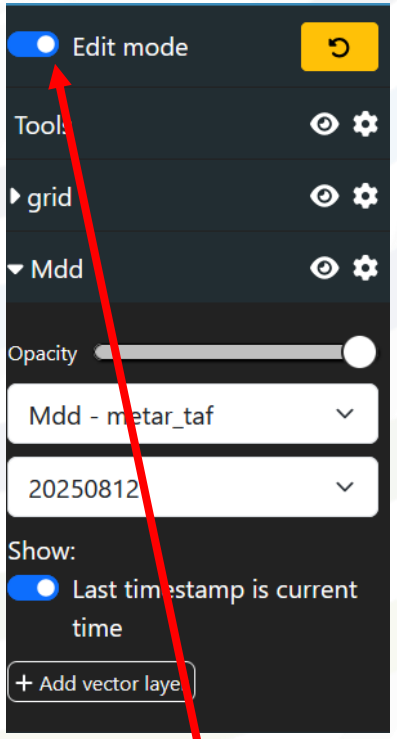
Step 5: Select model Field



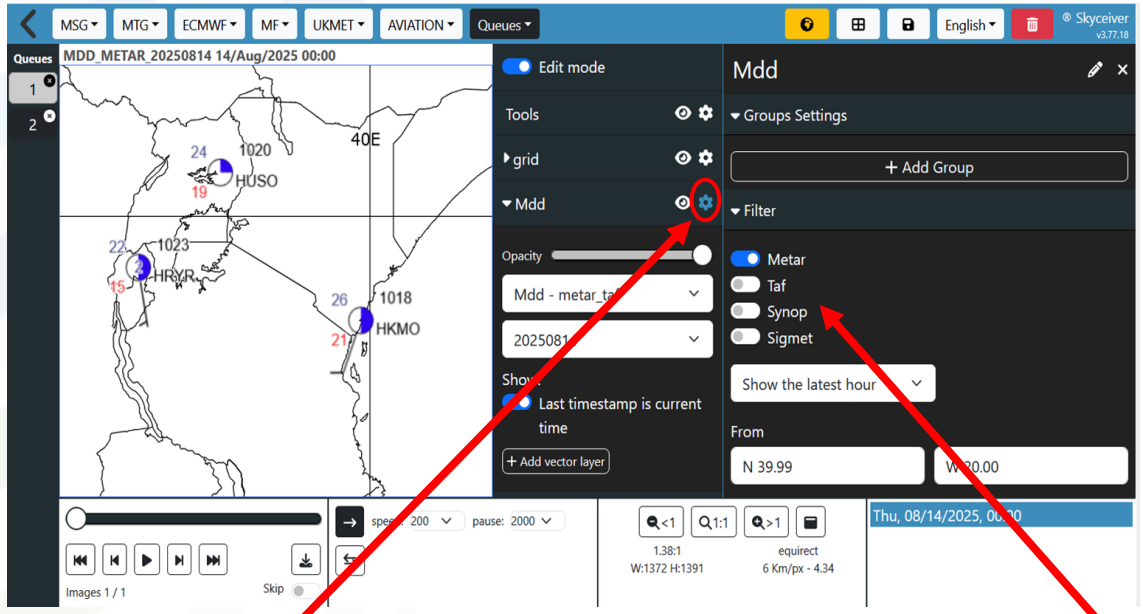
Meteorological Data Dissemination (MDD)

Displaying Meteorological Data Dissemination (MDD)





Step 3: Make sure you are in edit mode. Your METARs should be displayed on the map

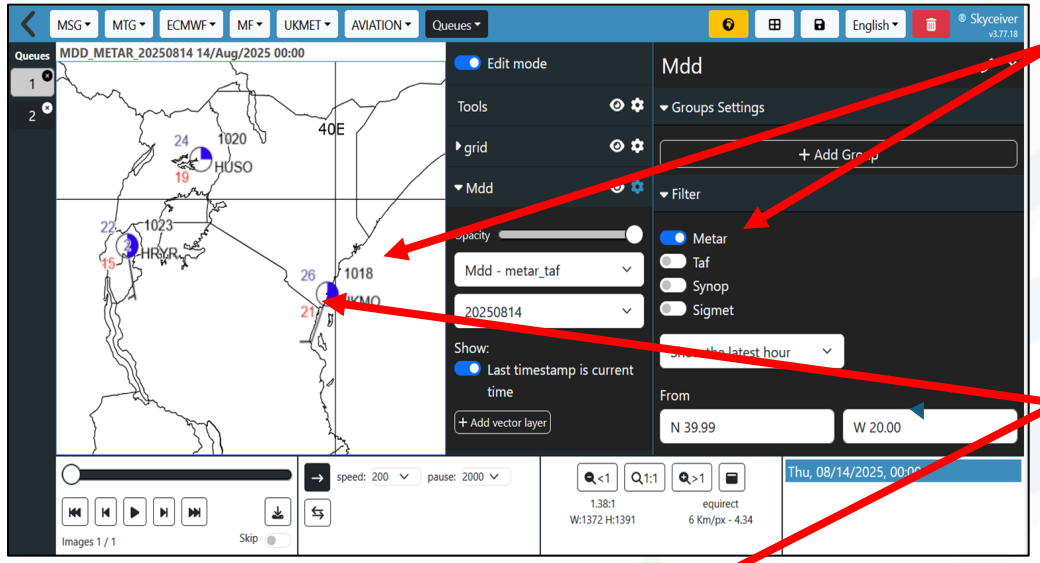


Step 4: Open the mdd settings

Step 5: Toggle either Metar, Taf, Synop or Sigmet "on" to visualize the dataset you need

Follow the same process to display the TAF, Synop or SIGMET plots

Displaying Expanded MDD Information



Step 1: Ensure that you are displaying METAR data

Step 2: Click on any of the plotted stations. A pop-up window should appear with station information

Step 3: Click on “more” to display METARs at your chosen station for a set time period

Data at (-4.035,39.594) ×

Metar: HKMO 0 hrs 42 min ago

HKMO 140630Z 20010KT 9999 SCT020 BKN080 26/21 Q1018 NOSIG **more**

Airport: HKMO

Name: MOI INTERNATIONAL
Country: KENYA
State: MO
City: MOMBASA
Elevation: 61
Use: Public

Data at (-4.035,39.594) ×

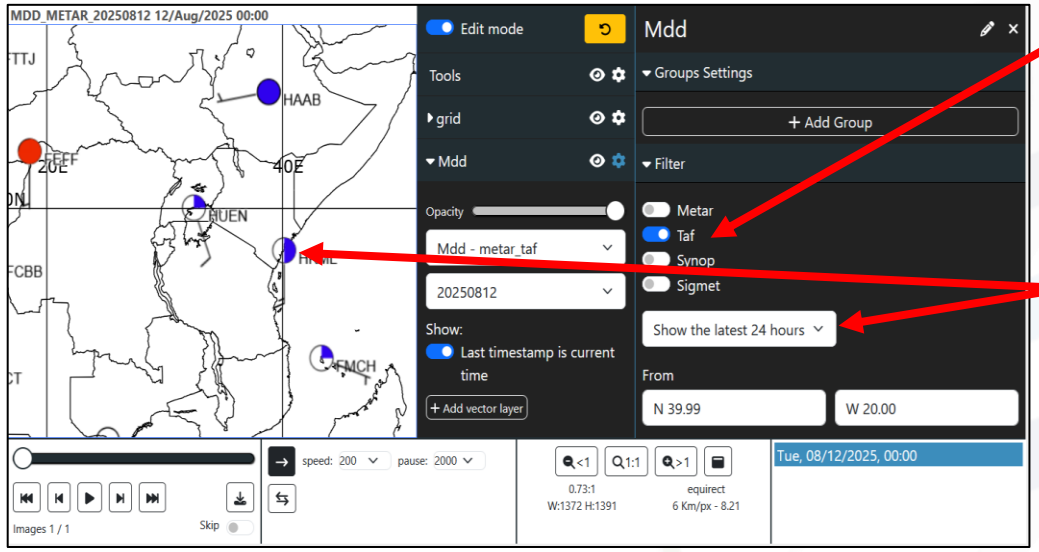
Metar: HKMO 0 hrs 44 min ago

HKMO 140630Z 20010KT 9999 SCT020 BKN080 26/21 Q1018 NOSIG	more
HKMO 140600Z 20010KT 9999 SCT020 SCT080 25/21 Q1017 NOSIG	1 hrs 14 min ago
HKMO 140530Z 21007KT 9999 FEW020 25/22 Q1017 NOSIG	1 hrs 44 min ago
HKMO 140500Z 22005KT 9999 FEW020 24/21 Q1017 NOSIG	2 hrs 14 min ago
HKMO 140430Z 22005KT 9999 FEW020 23/21 Q1017 NOSIG	2 hrs 44 min ago
HKMO 140400Z 22005KT 9999 FEW020 22/21 Q1016 NOSIG	3 hrs 14 min ago
HKMO 140330Z 22006KT 9999 FEW020 22/21 Q1016 NOSIG	3 hrs 44 min ago
HKMO 140300Z 21004KT 9999 FEW020 22/20 Q1016 NOSIG	4 hrs 14 min ago
HKMO 140230Z 21004KT 9999 FEW020 22/20 Q1016 NOSIG	4 hrs 44 min ago
HKMO 140200Z 20004KT 9999 FEW020 22/20 Q1016 NOSIG	5 hrs 14 min ago
HKMO 140130Z 21005KT 9999 FEW020 22/21 Q1015 NOSIG	5 hrs 44 min ago
HKMO 140100Z 21005KT 9999 FEW020 22/21 Q1015 NOSIG	6 hrs 14 min ago
HKMO 140030Z 21006KT 9999 FEW020 22/21 Q1015 NOSIG	6 hrs 44 min ago

Airport: HKMO

Name: MOI INTERNATIONAL
Country: KENYA
State: MO
City: MOMBASA
Elevation: 61
Use: Public

Displaying TAF Information



Step 1: Ensure that you are displaying TAF data

Step 2: Click on any of the plotted stations. Select your time period

Step 3: Click on “more” to display TAFs at your chosen station for a set time period

Data at (-3.229,40.102) ×

Taf: HKML — 2 hrs 24 min ago

TAF HKML 140500Z 1406/1506 18015KT 9999 SCT020 BECMG 1421/1424 17005KT **more**

Airport: HKML

Name: MALINDI
Country: KENYA
State: KI
City: MALINDI
Elevation: 25
Use: Public

Data at (-3.229,40.102) x

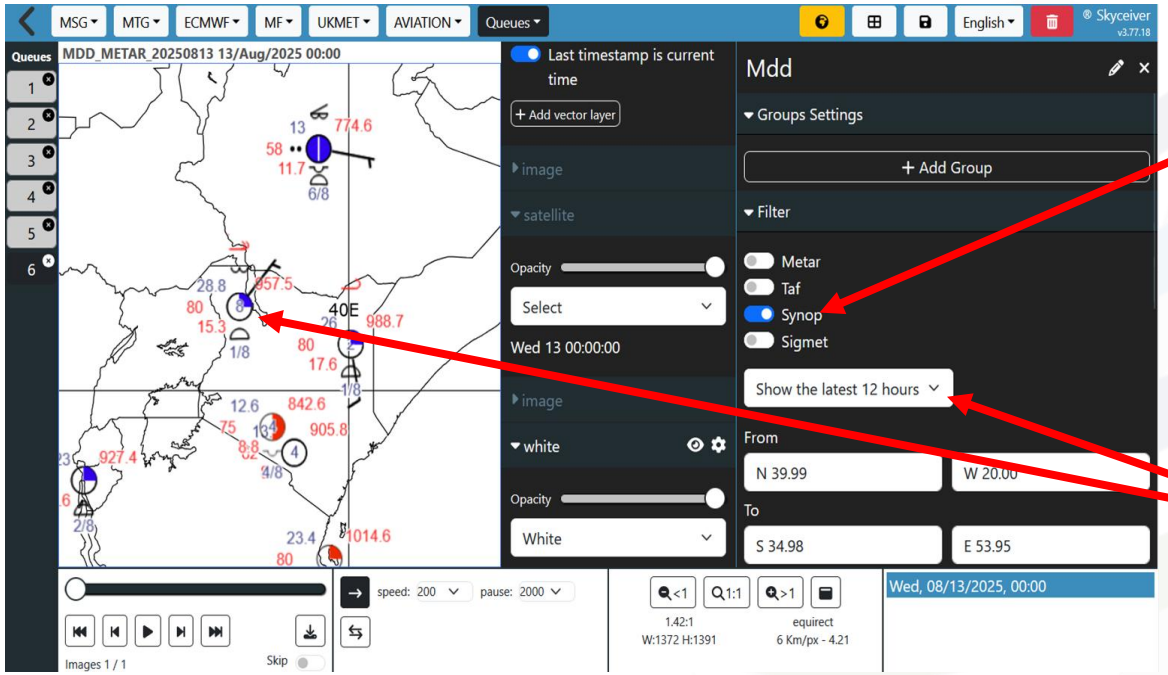
Taf: HKML — 2 hrs 25 min ago

TAF HKML 140500Z 1406/1506 18015KT 9999 SCT020 BECMG 1421/1424 17005KT	more
TAF HKML 131700Z 1318/1418 18005KT 9999 FEW022 BECMG 1400/1403 SCT018 BECMG 1409/1412 18015KT FEW022	14 hrs 25 min ago
TAF HKML 131100Z 1312/1412 18015KT 9999 FEW022 BECMG 1400/1403 18005KT SCT018 BECMG 1409/1412 18015KT FEW022	20 hrs 25 min ago

Airport: HKML

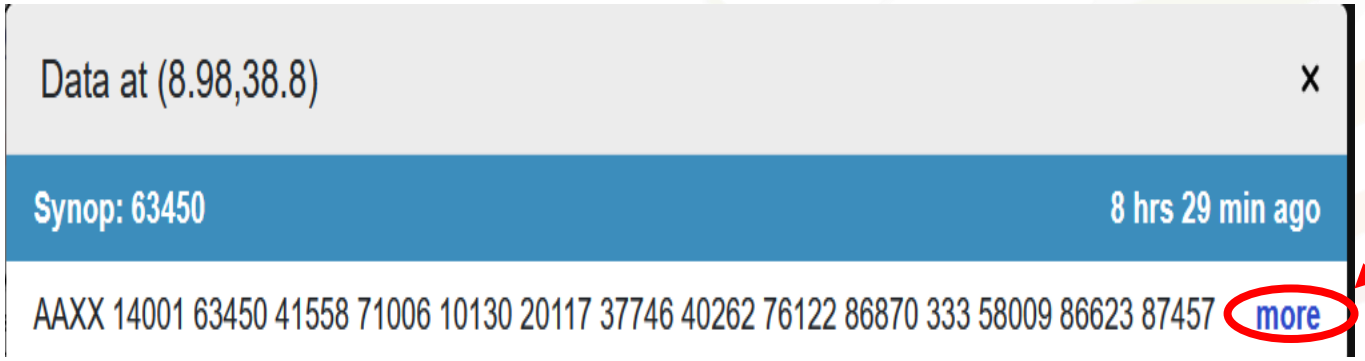
Name: MALINDI
Country: KENYA
State: KI
City: MALINDI
Elevation: 25
Use: Public

Displaying Synop Information



Step 1: Ensure that you are displaying Synop data

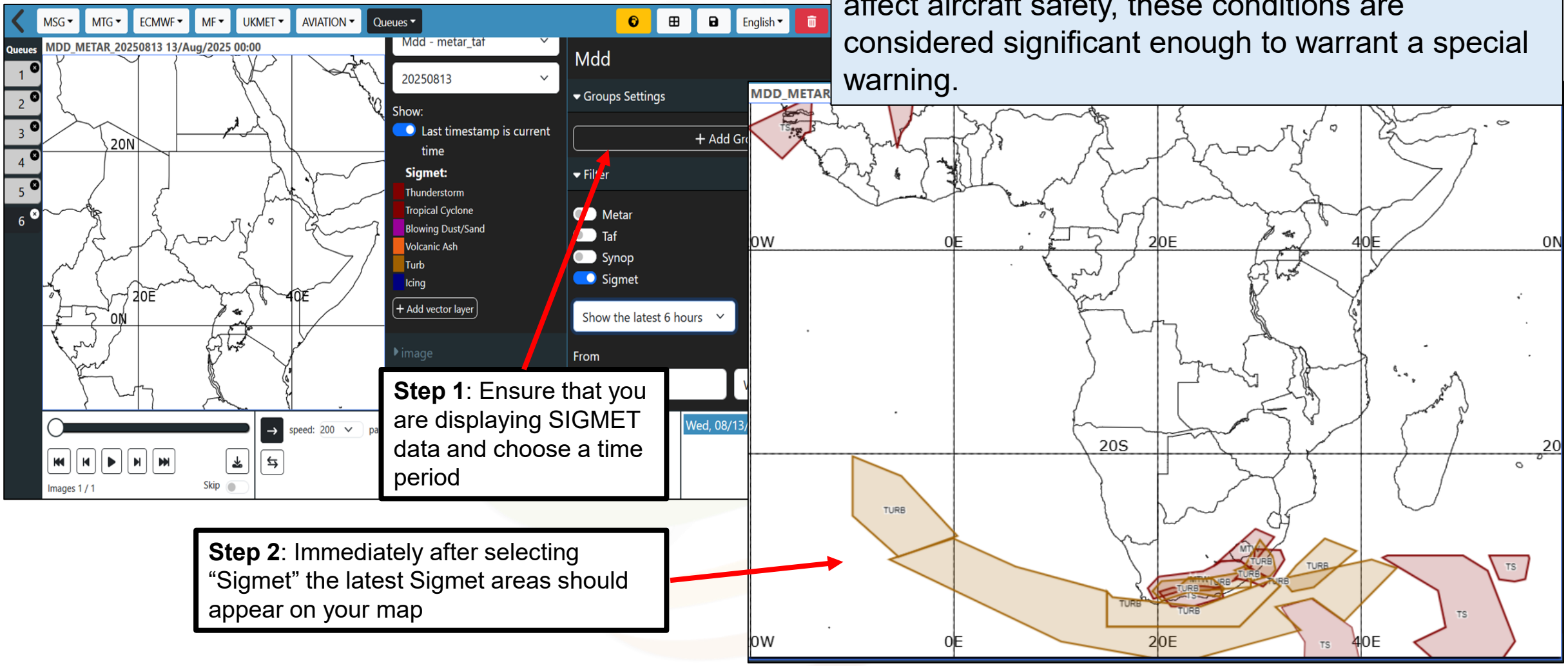
Step 2: Click on any of the plotted stations. Select your time period



Step 3: Click on “more” to display Synops at your chosen station for a set time period

Displaying SIGMETs

Note: A SIGMET will be displayed when hazardous weather conditions are observed or forecast to affect aircraft safety, these conditions are considered significant enough to warrant a special warning.



Step 1: Ensure that you are displaying SIGMET data and choose a time period

Step 2: Immediately after selecting "Sigmet" the latest Sigmet areas should appear on your map