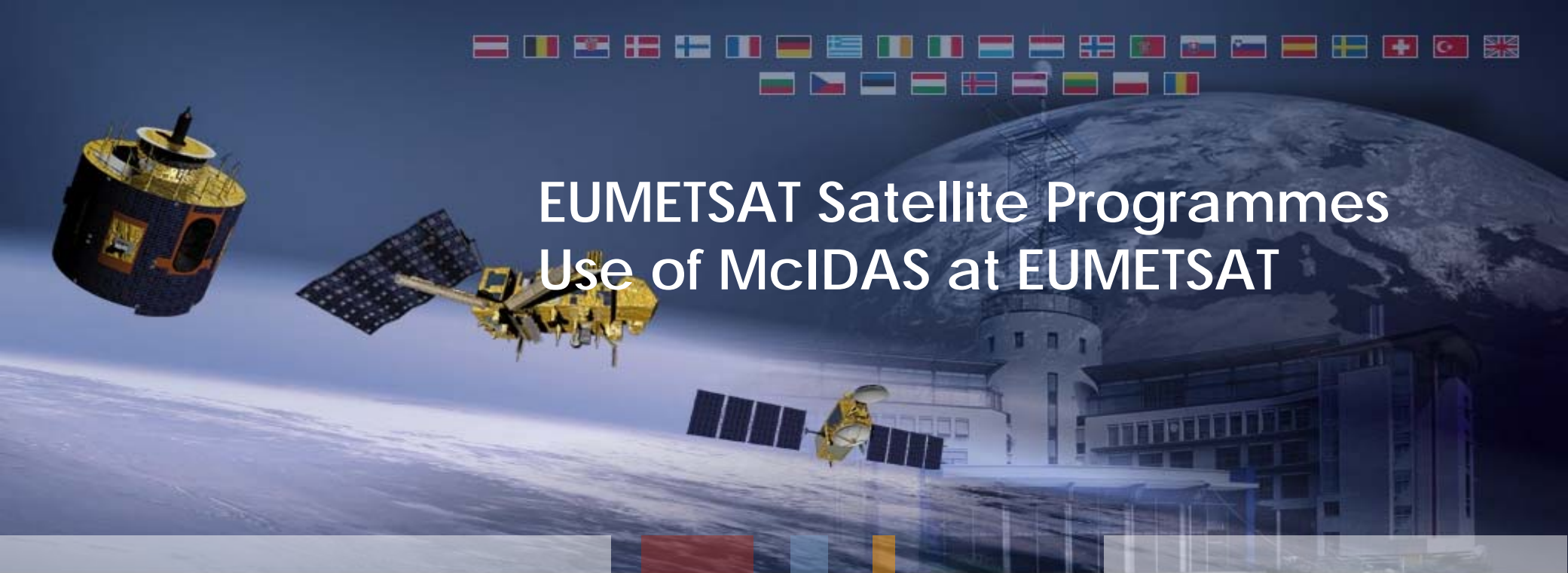




# EUMETSAT Satellite Programmes

## Use of McIDAS at EUMETSAT



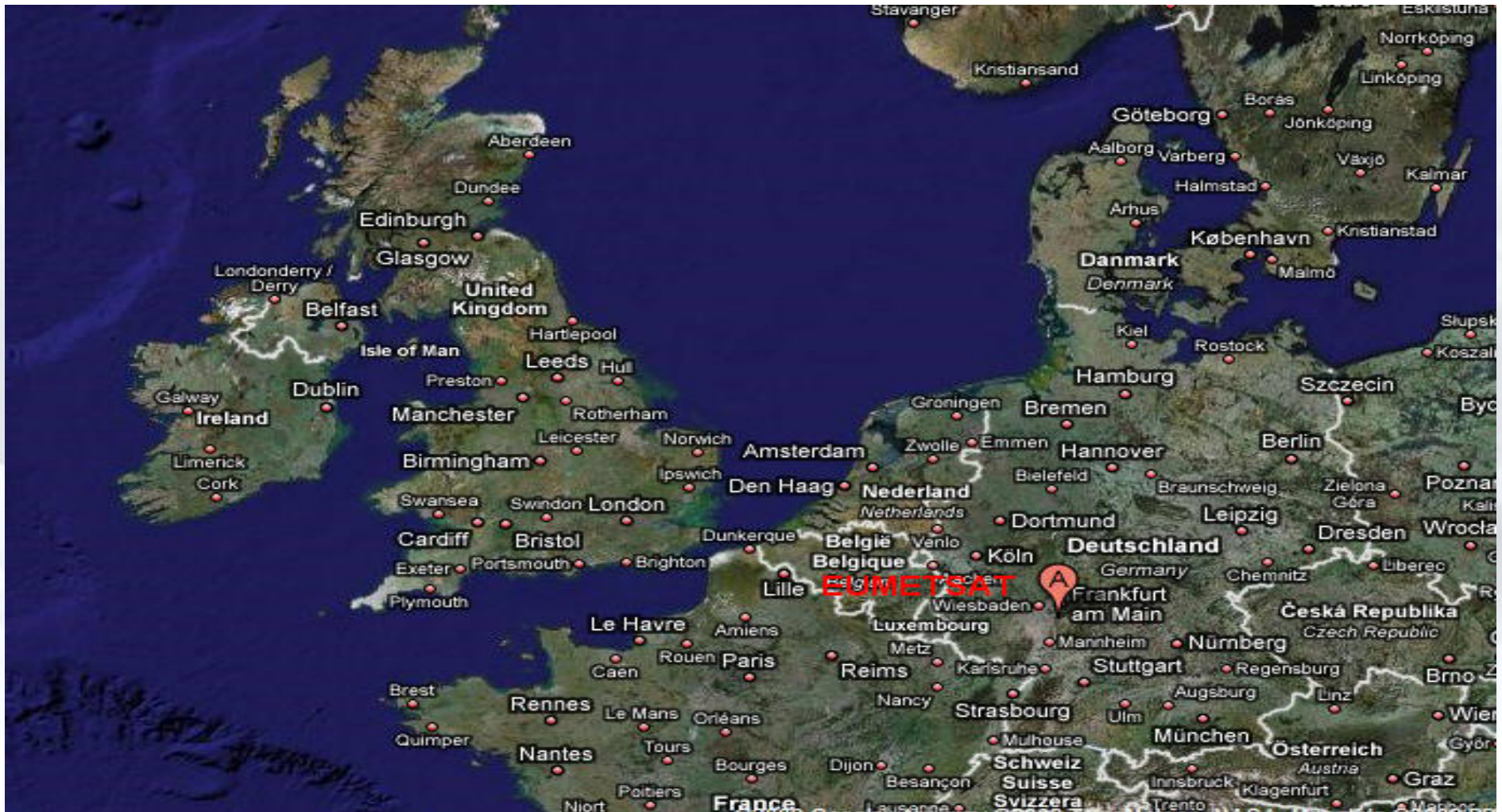
Marianne König  
Peter Miu

# EUMETSAT Headquarters – Darmstadt





# Location of EUMETSAT - Germany





# Google Map View





# 26 Member States & 5 Cooperating States\*

## Member States



AUSTRIA



BELGIUM



CROATIA



CZECH REPUBLIC\*



DENMARK



FINLAND



FRANCE



GERMANY



GREECE



HUNGARY



IRELAND



ITALY



LATVIA



LUXEMBOURG



NETHERLANDS



NORWAY



POLAND



PORTUGAL



ROMANIA\*



SLOVAK REPUBLIC



SLOVENIA



SPAIN



SWEDEN



SWITZERLAND



TURKEY



UNITED KINGDOM

\* Pending full ratification

## Cooperating States



BULGARIA



ESTONIA



ICELAND



LITHUANIA



SERBIA



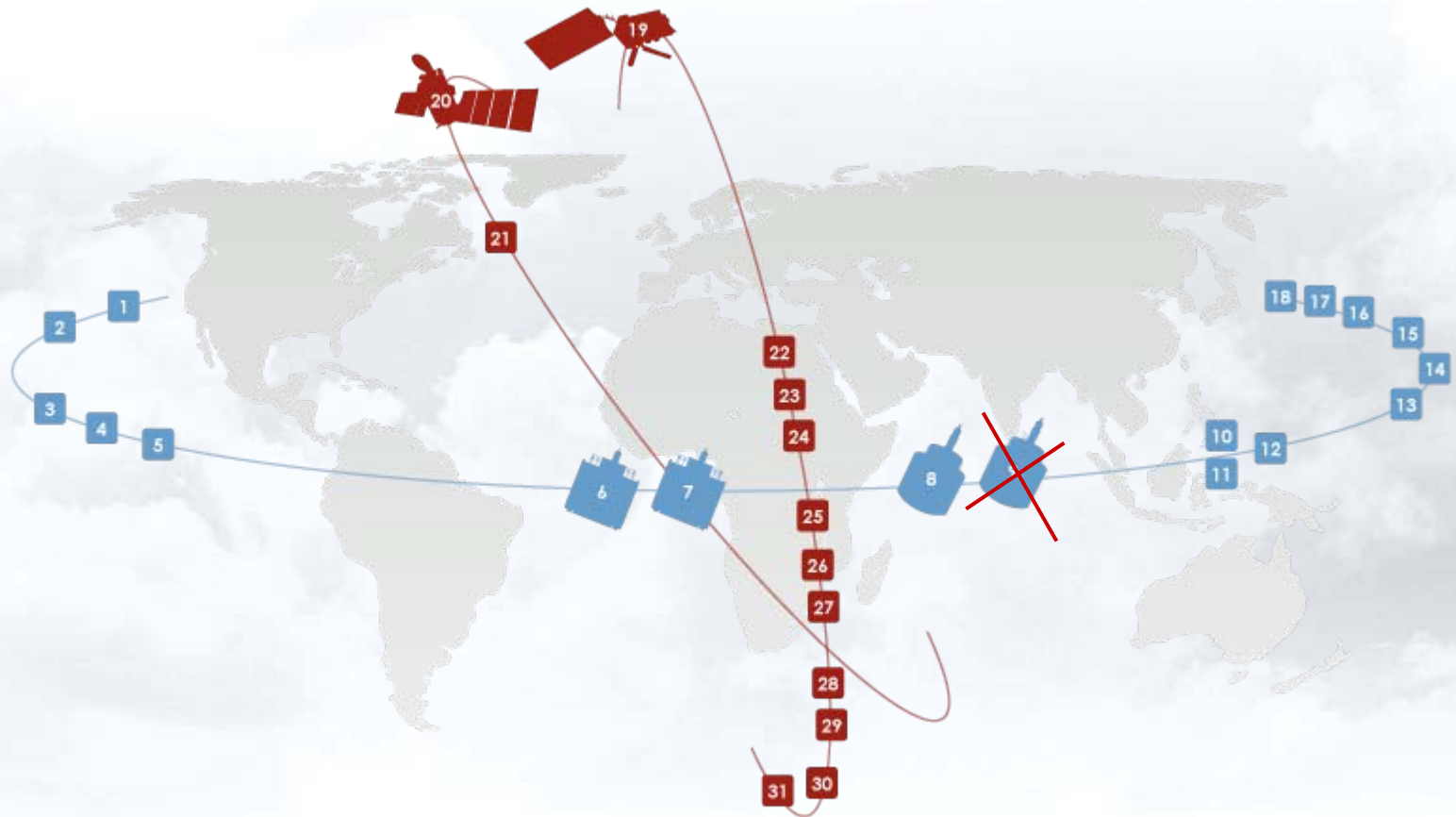


# Global Satellite System

| GEOSTATIONARY |   |
|---------------|---|
| 1             | GOES-11 (USA) 135°W                           |
| 2             | GOES-13 (USA) 105°W                           |
| 3             | GOES-14 (USA) 89.5°W                          |
| 4             | GOES-12 (USA) 75°W                            |
| 5             | GOES-10 (USA) 60°W                            |
| 6             | METEOSAT-9 (EUMETSAT) 0° longitude            |
| 7             | METEOSAT-8 (EUMETSAT) 9.5°E                   |
| 8             | METEOSAT-7 (EUMETSAT) 57.5°E                  |
| 9             | <del>METEOSAT-6 (EUMETSAT) 0° longitude</del> |
| 10            | KALPANA-1 (INDIA) 74°E                        |
| 11            | INSAT-3C (INDIA) 74°E                         |
| 12            | GOMS-N1 (RUSSIA) 76°E                         |
| 13            | FY-2D (CHINA) 86.5°E                          |
| 14            | INSAT-3A (INDIA) 93.5°E                       |
| 15            | FY-2C (CHINA) 105°E                           |
| 16            | FY-2E (CHINA) 123°E                           |
| 17            | MTSAT-1R (JAPAN) 140°E                        |
| 18            | MTSAT-2 (JAPAN) 145°E                         |

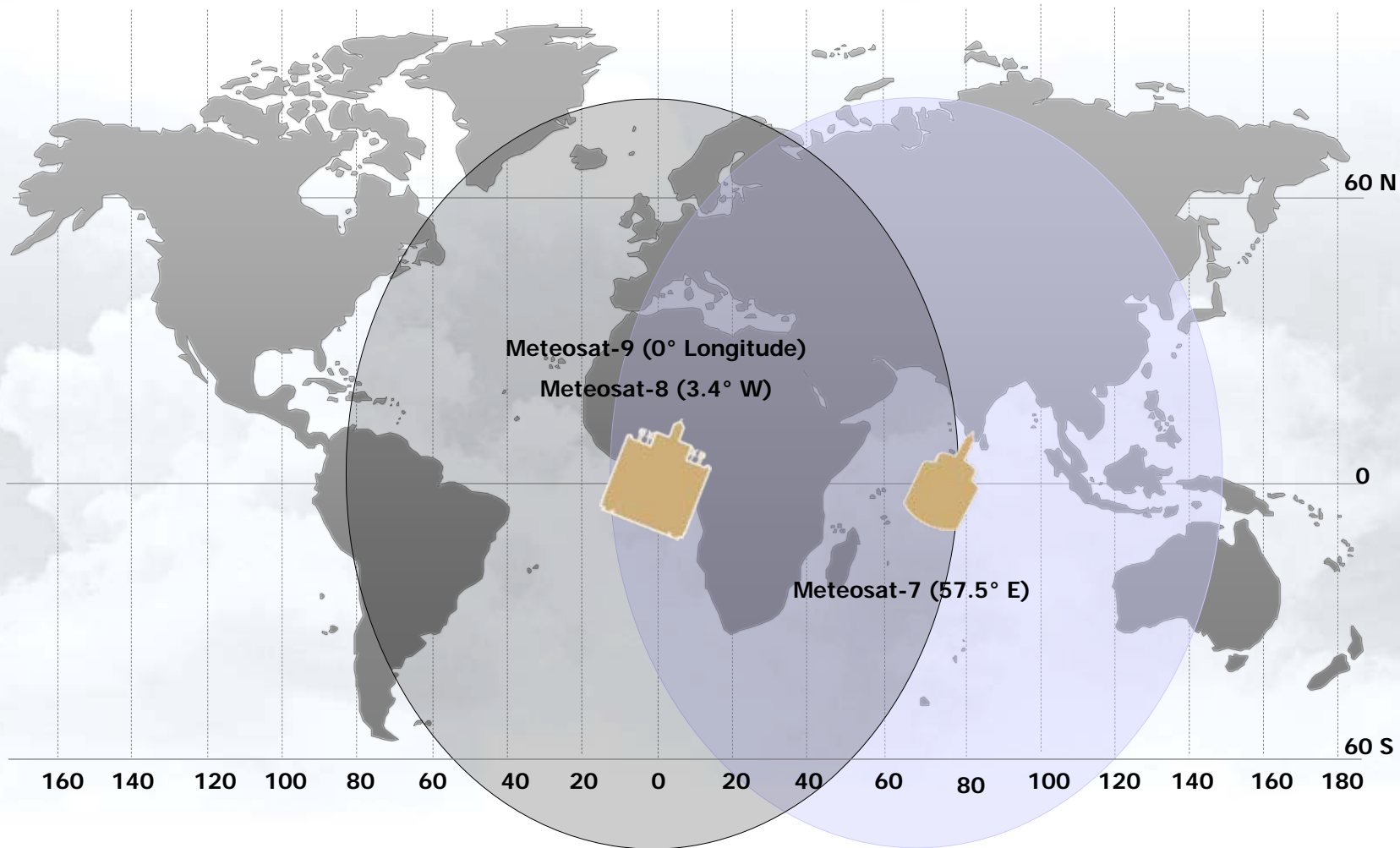
  

| LOW EARTH ORBIT |                        |
|-----------------|------------------------|
| 19              | METOP-A (EUMETSAT)     |
| 20              | JASON-2 (USA, EUROPE)  |
| 21              | JASON-1 (USA, EUROPE)  |
| 22 23 24        | NOAA-15,-16,-17 (USA)  |
| 25 26           | NOAA-18,-19 (USA)      |
| 27 28           | FY-1D, -3A (CHINA)     |
| 29 30           | OCEANSAT-1, -2 (INDIA) |
| 31              | METEOR-M N1 (RUSSIA)   |





# EUMETSAT Geostationary Satellites' Coverage

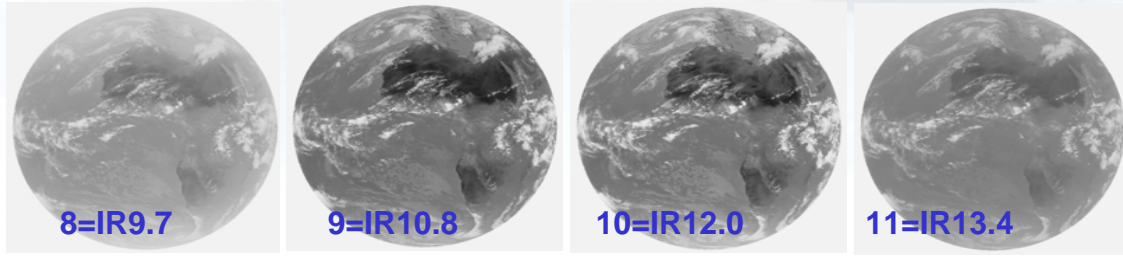
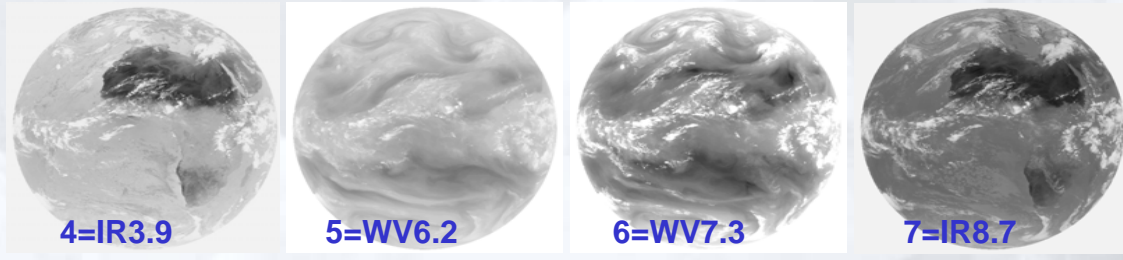
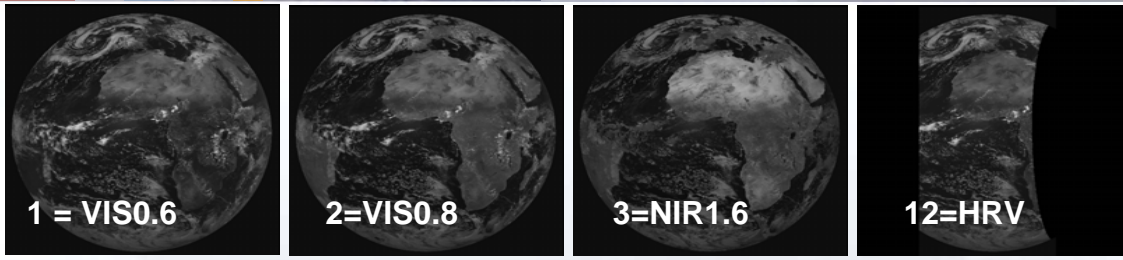




# MSG: Meteosat Second Generation

## MSG SEVIRI\*:

12 Kanal Instrument  
3 (1) km Pixelgröße  
Bildfolge alle 15 Minuten  
(5 min. im "rapid scan service")



\*: SEVIRI :  
Spinning Enhanced Visible and InfraRed Imager





Launch of MSG-3 on 19 June 2012 (to be Meteosat-10)

Recent events on Meteosat-8: Loss of onboard sun sensors due to a solar panel damage, i.e. compromised image quality



# Metop News



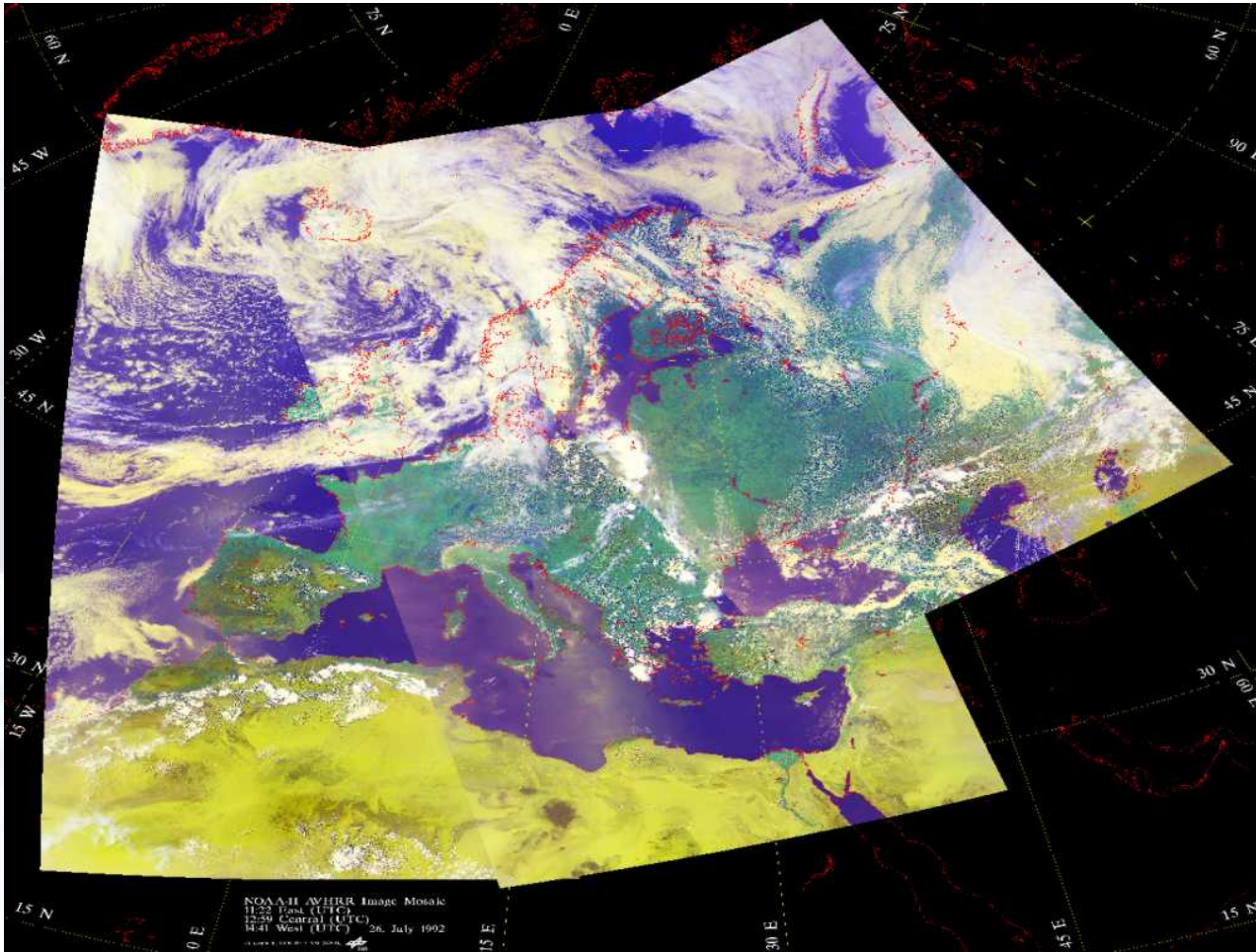
Launch of Metop-B in in July 2012 (TBC)

09:30 orbit maintained, however with a 90 deg difference to Metop-A orbit:

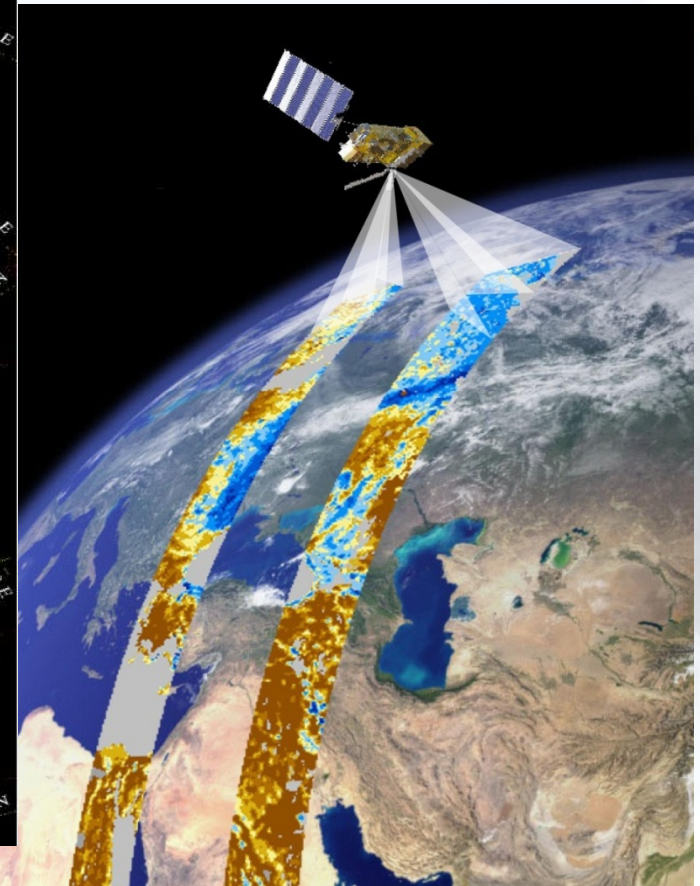




# Reasons for Specific Metop Orbit Configuration

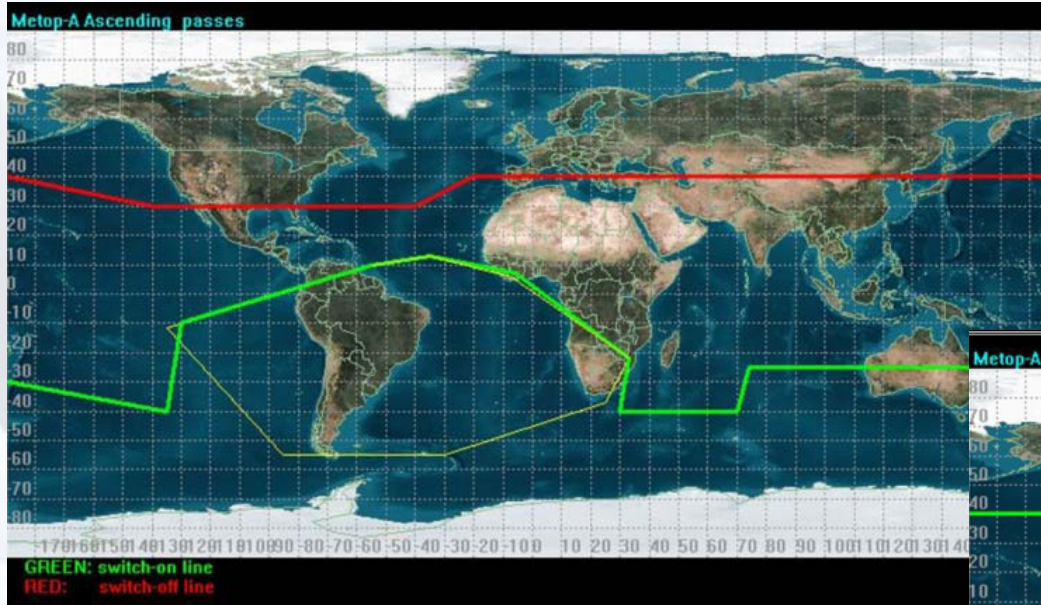


(communication)

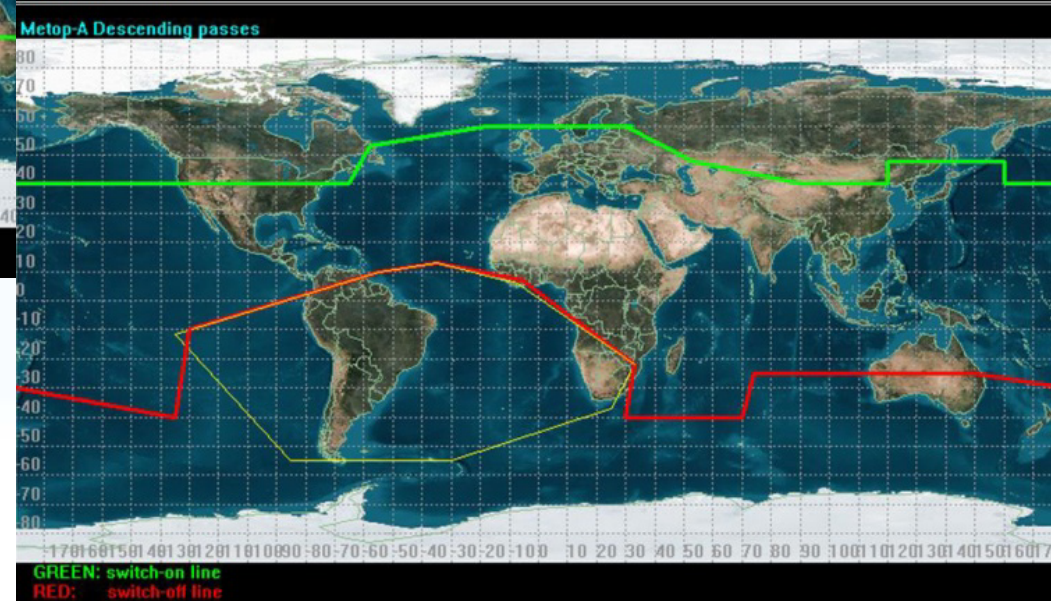




# Metop HRPT



Metop-B: HRPT will be available everywhere





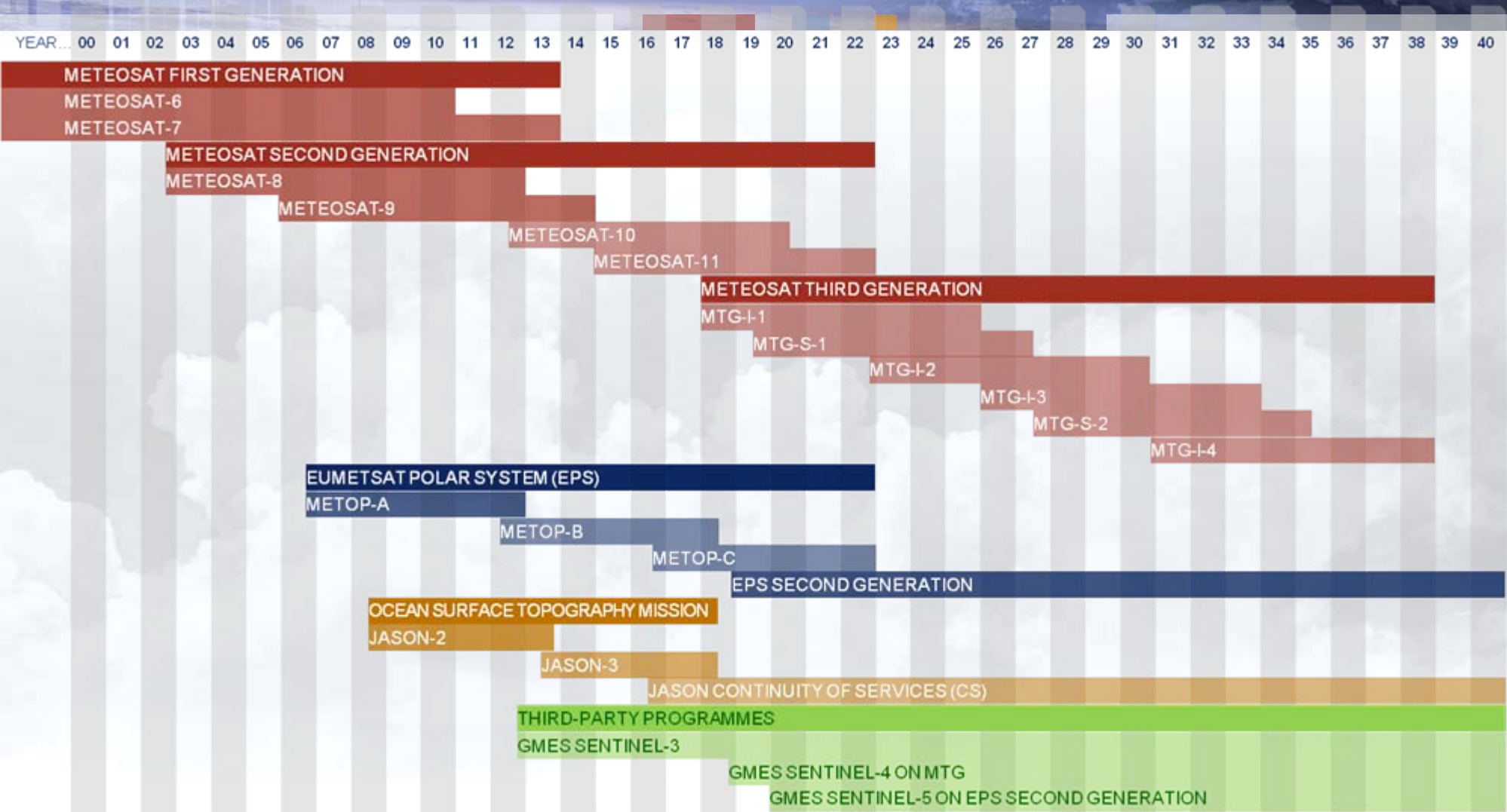
# Future EUMETSAT Satellite Programmes

Eumetsat is preparing/developing the following satellites programmes:

- **Sentinel-3 (2013)**: Low Earth Orbiting mission to support services relating to the marine and global land environment, with capability to serve further atmospheric- and cryospheric-based application areas.
  - <http://www.eumetsat.int/Home/Main/Satellites/Sentinel-3/index.htm?l=en>
- **MTG: Meteosat Third Generation (2018)**, EUMETSAT is preparing for the next European operational geostationary meteorological satellite system. MTG will revolutionise weather forecasting and environmental monitoring by providing significant improvement over the capabilities of the current Meteosat generation.
  - <http://www.eumetsat.int/Home/Main/Satellites/MeteosatThirdGeneration/index.htm?l=en>
- **EPS-SG: EUMETSAT Polar System – Second Generation (2020)**, The EPS follow-on system to EPS will provide continuity of polar orbiting observations for the user community.
  - <http://www.eumetsat.int/Home/Main/Satellites/EPS-SG/index.htm?l=en>

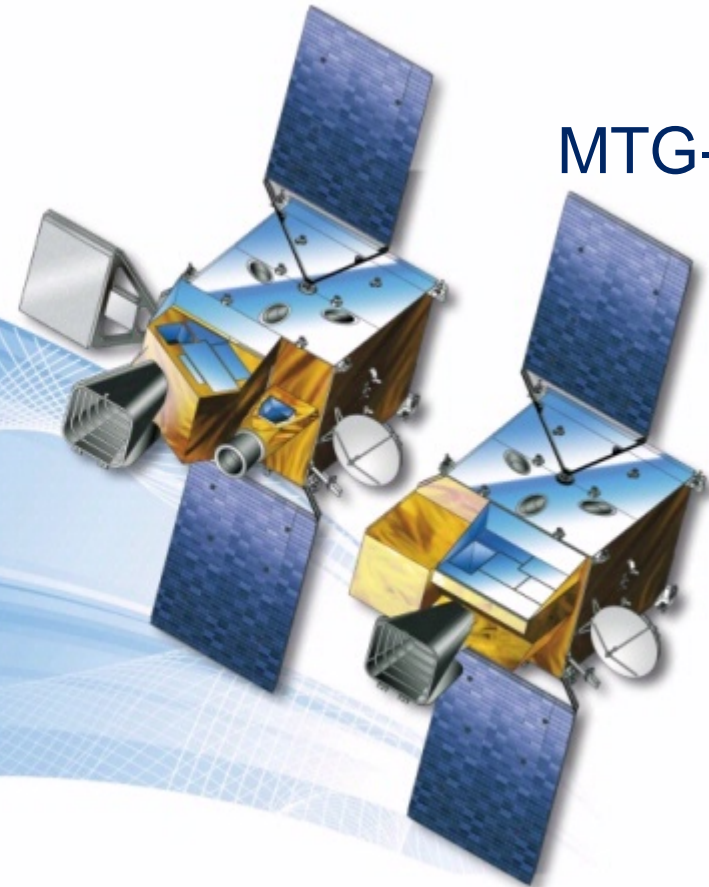


# EUMETSAT Programmes Timeline





# MTG Space Segment – Twin Satellite Concept



**MTG-I; 4 satellites**

**MTG-S; 2 satellites**

Courtesy of  
**ThalesAlenia**  
Space  
A Thales / Finmeccanica Company



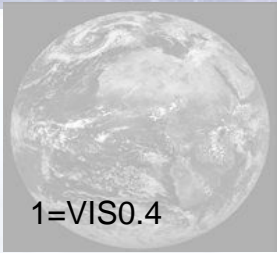
# MTG Space Segment Configuration

- Twin Satellite Concept, based on 3-axis platforms
  - 4 Imaging Satellites (MTG-I) (20 years of operational services)
  - 2 Sounding Satellites (MTG-S) (15.5 years of operational services)
- Payload complement of the MTG-I satellites
  - The Flexible Combined Imager (FCI)
  - The Lightning Imager (LI)
  - The Data Collection System (DCS) and Search and Rescue (GEOSAR)
- Payload complement of the MTG-S satellites
  - The Infrared Sounder (IRS)
  - The Ultra-violet, Visible and Near-infrared Sounder (UVN)

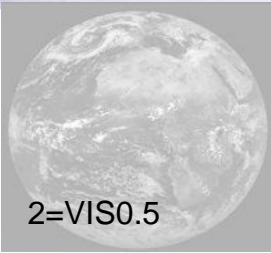




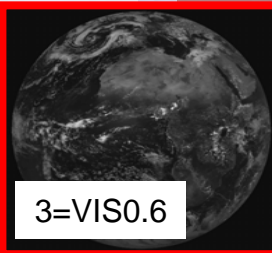
# Meteosat Evolution: 1977 – 2002 - 2019



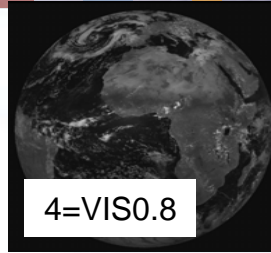
1=VIS0.4



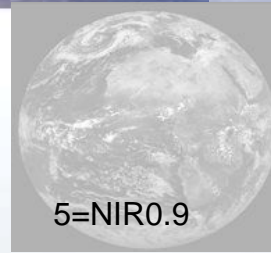
2=VIS0.5



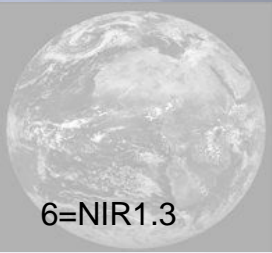
3=VIS0.6



4=VIS0.8

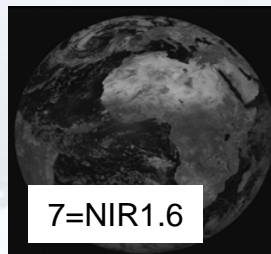


5=NIR0.9



6=NIR1.3

FCI-FDSS:  
8 solar channels at 1km  
8 thermal channels at 2km

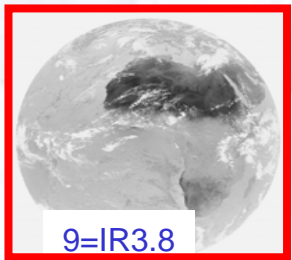


7=NIR1.6

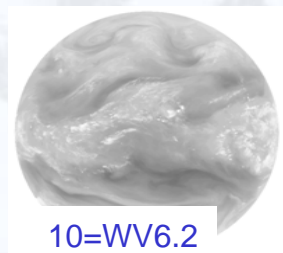


8=NIR2.2

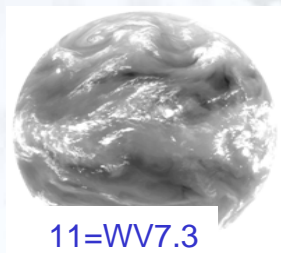
FCI-RSS:  
2 solar/thermal channels  
at  
0.5 km/1.0 km



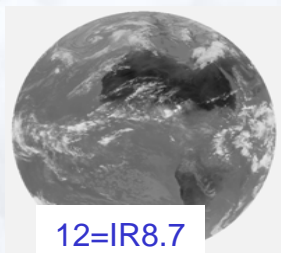
9=IR3.8



10=WV6.2



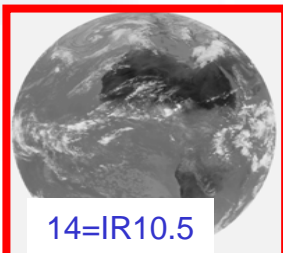
11=WV7.3



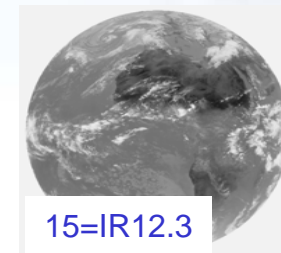
12=IR8.7



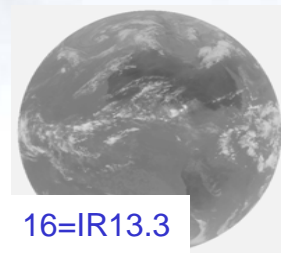
13=IR9.7



14=IR10.5



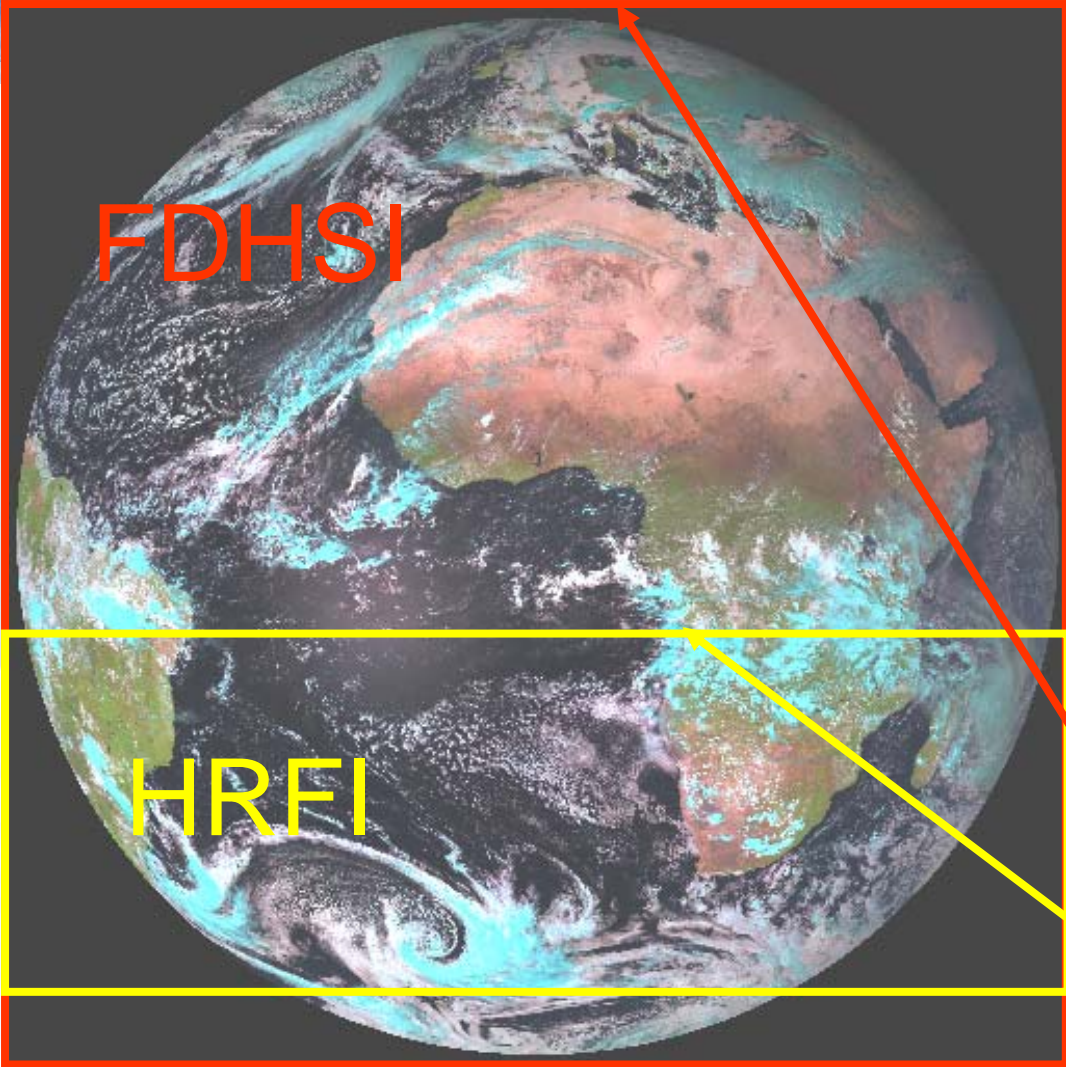
15=IR12.3



16=IR13.3



# From MSG-SEVIRI to MTG-FCI



MTG FCI outbids MSG SEVIRI observations on cloud, aerosol, moisture and fire:

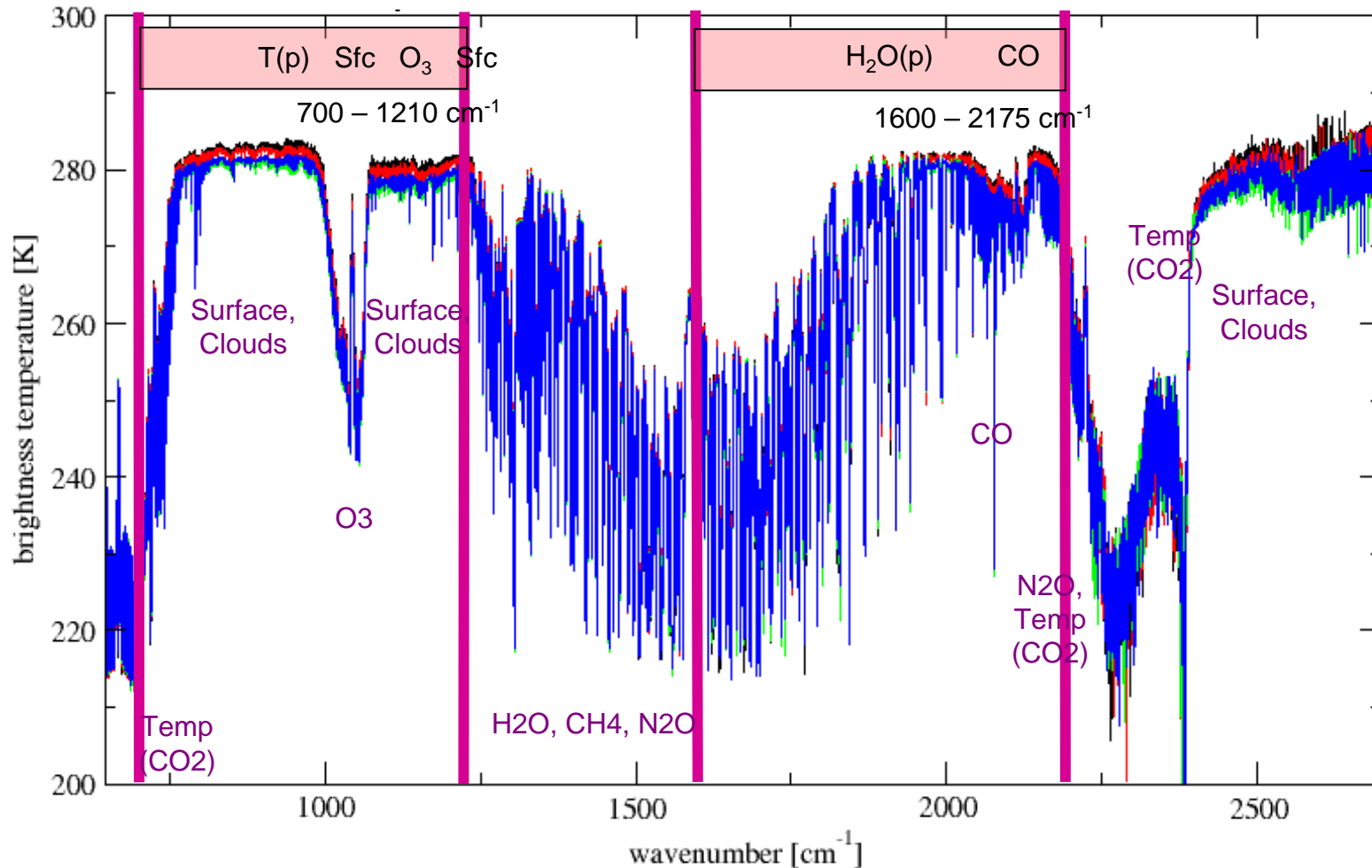
- by adding new channels
- by improving temporal-, spatial-, and radiometric resolution

|               | Coverage | Repeat cycle |
|---------------|----------|--------------|
| FDHSI mission | 18°x18°  | 10 min       |
| HRFI mission  | 1/4 FD   | 10/4 min     |



# MTG-IRS: High Spectral/Spatial/Temporal Sampling

MTG-IRS will deliver unprecedented information on horizontal and vertical gradients of moisture, wind and temperature.





# MTG Lightning Imager Requirements

The LI on MTG measures Total Lightning:  
Cloud-to-Cloud Lightning (IC) and Cloud-to-Ground Lightning (CG)

Main benefit from GEO observations:  
homogeneous and continuous observations delivering information on location and strength of lightning flashes to the users with high timeliness of 30 seconds

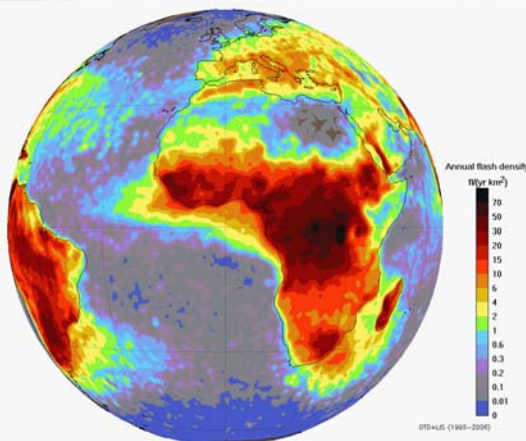


**detect, monitor, track, and extrapolate in time occurrence of strokes:**

- Warnings
- Development (Intensity/Movement) of active convective areas
- Lifecycle of storms

As well as...

- Lightning climatology
- Chemistry (NOx production)

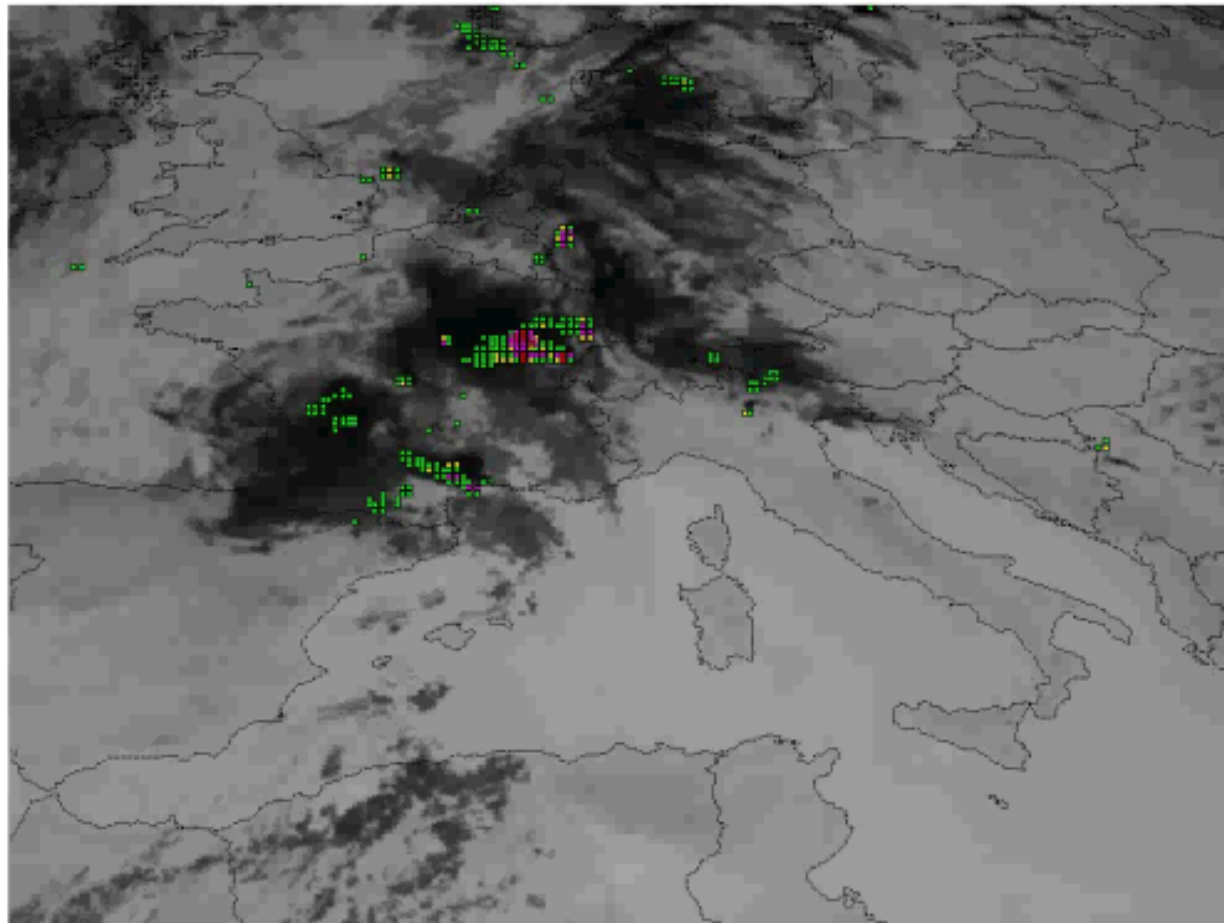


LIS/OTD flash density in the MTG LI field of view



# Proxy Data Development – Example

Simulation of MTG LI events on 28 July 2006 at 0 h 15 min

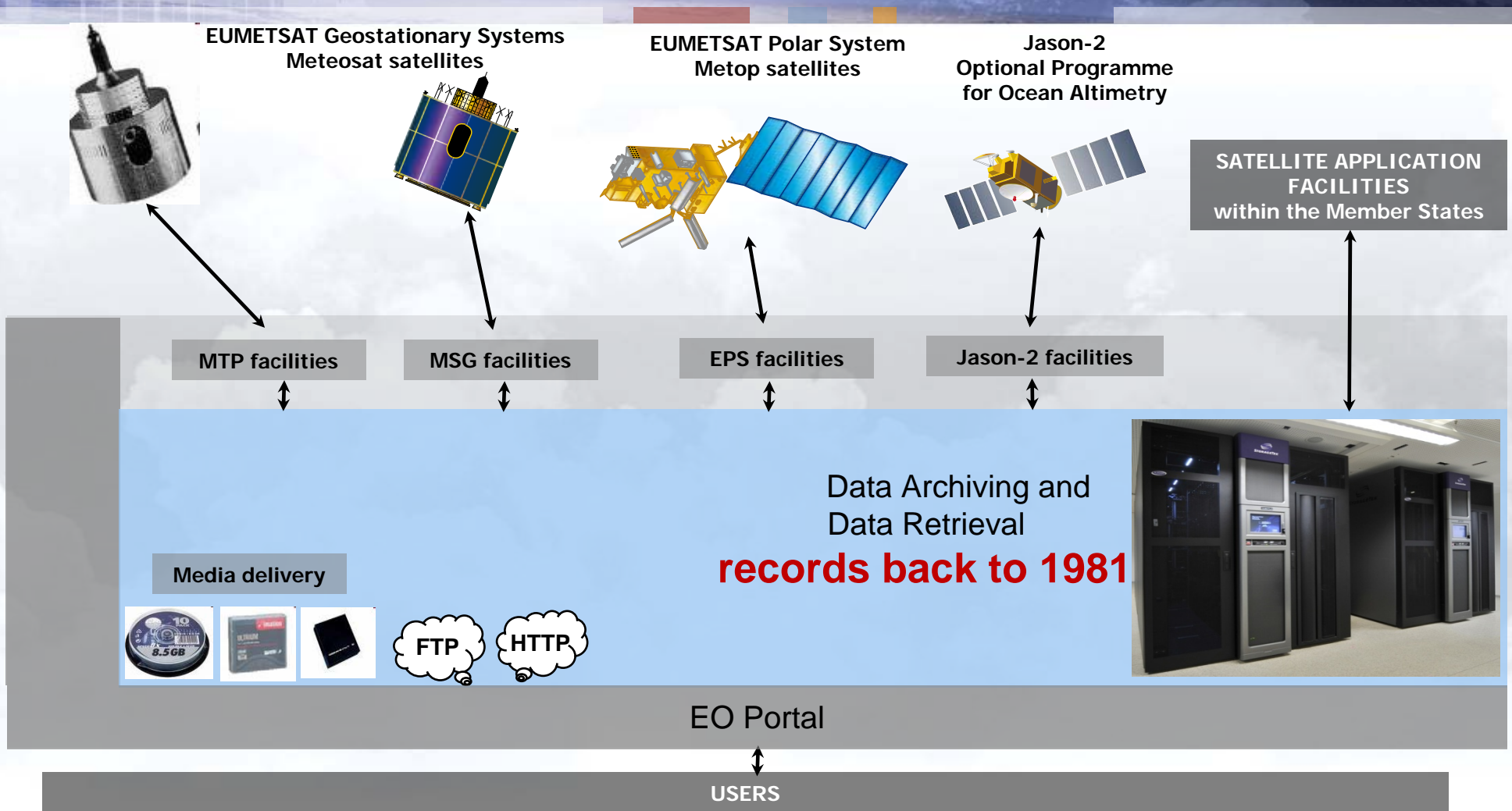


Based on LINET  
ground-based  
data over Europe

Colour code indicates  
the  
MTG-LI “event” density



# The EUMETSAT Data Centre Archive – McIDAS is available as a delivery format for the Level 1.5 Data Set from EUMETSAT's Geostationary Satellites





# Ordering McIDAS Data from the EUMETSAT Data Centre

- **Anyone** can register using the EO Portal to become a Data Centre user.
- **EO Portal URL** - **<http://eoportal.eumetsat.int>** into your browser.
- **User should subscribe** to the Data Centre Service subscription.
- This service offers an **Online Ordering Application** where EUMETSAT data can be queried and ordered.
- The **Data is free** but there is **no guarantee on delivery times**.
- User guides, training slides and general information about the Data Centre can be founded under:

<http://www.eumetsat.int/Home/Main/DataAccess/EUMETSATDataCentre/index.htm?l=en>

# User guides, training slides and general information about the Data Centre

The screenshot shows the EUMETSAT Data Centre website. The main navigation bar includes links for ABOUT EUMETSAT, SERVICE STATUS, DATA & PRODUCTS, DATA ACCESS, SATELLITES, IMAGE GALLERY, and NEWS. The left sidebar lists various data access options, with 'EUMETSAT Data Centre' selected. The main content area features a section titled 'EUMETSAT Data Centre' with a description of its mission and a list of resources. A red arrow points to the 'Online Ordering Application User Manual' link.

**EUMETSAT** Monitoring weather and climate from space

SEARCH  GO

ABOUT EUMETSAT | SERVICE STATUS | DATA & PRODUCTS | DATA ACCESS | SATELLITES | IMAGE GALLERY | NEWS

Home > Data Access > EUMETSAT Data Centre

**EUMETSAT Data Centre**

The EUMETSAT Data Centre provides long-term preservation of data and generated products from the EUMETSAT Application Ground Segments. The online ordering facility provides users access to these time-series data.

The Data Centre aims to:

- Guarantee a long-term preservation of data and generated products from EUMETSAT's meteorological satellites.
- Enable users to browse; make automated orders and retrieve data from EUMETSAT's catalogue of products.

Set up in 1995, the EUMETSAT Data Centre quickly developed to become a state-of-the-art archive serving all EUMETSAT satellite programmes. With more than 25 years of meteorological satellite products available, the EUMETSAT Data Centre offers one of Europe's largest and most comprehensive collections in this field.

**Accessing Meteorological Data and Products in the EUMETSAT Data Centre**

Meteorological Data and Products are accessed via the EO Portal, through a Java-based EUMETSAT Data Centre **Online Ordering Application**, used for searching, selecting and ordering products. Please refer to the **Product Navigator** to view our comprehensive overview of meteorological data and products offered by the EUMETSAT Data Centre.

**Online Catalogue** **Product Navigator**

**Registering as a New EUMETSAT Data Centre Online Application User**

New users of the EUMETSAT Data Centre are requested to familiarise themselves with the following online resources:

- **How do I get started using the Online Ordering Application?**
- **Online Ordering Application User Manual — EO Portal Edition (PDF, 3.2 MB)**
- **Online Ordering Application Training Slides (PDF, 7.4 MB)**

These resources provide the necessary information needed to register, query, and order meteorological data and products from the EUMETSAT Data Centre.

Our **Data Centre Newsletter** has regular updates and information on enhancements or changes to services and known issues.

**Archive Data Policy**

EUMETSAT Data Centre meteorological data and products are available free of charge (subject to an annual review process). During the registration process, users are requested to indicate their acceptance of the Data Policy terms and conditions under which the meteorological data and products are supplied.

All EUMETSAT satellite images are subject to EUMETSAT copyright. Users of these images must credit this copyright by displaying the words "copyright © {year} EUMETSAT" on each of the images used, where {year} is the current year. For further information regarding the EUMETSAT Data Policy, please contact the **User Service Helpdesk**.



# Earth Observation Portal (EO Portal) for User Registration and Services Subscription for EUMETSAT Data.

EO Portal can be accessed from the EUMETSAT Website <http://www.eumetsat.int>

The screenshot shows the EUMETSAT Data Access website. The navigation menu includes: ABOUT EUMETSAT, SERVICE STATUS, DATA & PRODUCTS, DATA ACCESS, SATELLITES, IMAGE GALLERY, NEWS. The 'Data Access' section is highlighted, and the 'EO Portal' link in the left sidebar is circled in red.

The screenshot shows the EUMETSAT EO Portal website. The 'EO Portal' link in the left sidebar is circled in red. The main content area contains the following text: "By registering with the Earth Observation Portal (EO Portal) user can gain access to and manage their subscriptions to data, products and services provided by EUMETSAT. To access the EO Portal for the first time, users need to create a user account. Once the account has been created, users can login using their username and password to view and modify their user profile, service subscriptions and licence arrangements."

The screenshot shows the 'My Account' page of the Earth Observation Portal. The 'Authentication' section is visible, with a 'Please Login' form containing fields for 'User ID' and 'Password'. A red text overlay reads 'Register / Login'.

The screenshot shows a table of services and registration processes. The table has two columns: 'Data Service' and 'Registration Process'. The 'Data Service' column lists various services like 'Near real-time Meteosat, Metop, Jason-2 data' and 'Historical (archived) Meteosat, Metop, Jason-2 data'. The 'Registration Process' column lists the steps for each service, such as 'EO Portal Registration and Licensing Tool: Register'.



# EO Portal: User Registration and Subscription

The Data Centre Ordering Application can be found here:

**EUMETSAT** EARTH OBSERVATION PORTAL  
My Account

PRODUCT NAVIGATOR | DATA CENTRE | HELP

HOME [ AJACOB ]

- ▶ User Profile
- ▶ Service Subscriptions
- ▶ Licences
- ▶ Logout



2.15

## Earth Observation Portal

Welcome to the EUMETSAT Earth Observation Portal. Select from the available options to view/modify your profile, subscribe/unsubscribe to services, request decryption hardware and software, view your licence details and request new or view existing Data Centre orders.

If you are registering for data and products for the first time, go to Edit/View Service Subscriptions to select your preferred service/s.

### AVAILABLE OPTIONS

|  |  |  |   |
|--|--|--|---|
|   | <b>▶ Edit/View Service Subscriptions</b><br>Select the near real-time data and products you wish to receive, your preferred delivery mechanism and update your data usage profile. |   | <b>▶ Edit/View User Profile</b><br>Modify your contact details, including address details for delivery and invoicing purposes, phone, fax and email, etc. |
|  | <b>▶ View/Extend Licences</b><br>View existing licence arrangements, request a licence renewal.  |  | <b>▶ Data Centre Application</b><br>Request new archive data and view status of current and previous Data Centre orders.                                  |

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European Organisation for the Exploitation of Meteorological Satellites



# Ordering McIDAS Data Sets from EUMETSAT

EUMETSAT Data Centre Online Ordering

Help Product Navigator About...

Query and Order Shopping Trolley Specific Product Order Order Follow-Up

Search Type GEO Mode Simple

Generic Attributes

Tree Management

- Geostationary Earth Radiation Budget
- Global Instability Index
- HRI Level 1.5 Image Data
- High Rate SEVIRI Level 1.5 Image Data
- High Rate SEVIRI Level 1.5 Image Data (circled in red, labeled 1)
- Meteosat 8 (MSG product family)
- Meteosat 9 (MSG product family)
- Meteosat10 (MSG product family)
- High Resolution Precipitation Index - MFG
- High Resolution Precipitation Index - MSG
- High Resolution Precipitation Index - Reprocessed
- High Resolution Visible Winds
- High Resolution Visible Winds - Reprocessed
- High Resolution Water Vapour Winds
- Housekeeping Telemetry
- MSG Normalized Difference Vegetation Index
- MSG Normalized Difference Vegetation Index 10 Days
- Meteosat Mean Surface Albedo
- Multi-Sensor Precipitation Estimate in GRIB - MFG
- Multi-Sensor Precipitation Estimate in GRIB - MSG
- Multi-Sensor Precipitation Estimate in GRIB - Reprocessed
- Multi-Sensor Precipitation Estimate in JPEG - MFG
- Multi-Sensor Precipitation Estimate in JPEG - MSG
- Multi-Sensor Precipitation Estimate in JPEG - Reprocessed
- Precipitation Index
- RAW HRI Image Data
- Radiance Coverage

Tree Sorting Prod->Sat->Inst

Date/Time Range (UTC)

From 2012/04/08 07:23:29 To 2012/04/09 07:23:29 (circled in red, labeled 2)

Subsat Longitude All Overall Quality All

User Defined

Query management... Search (labeled 3)

EUMETSAT

Map Navigation Footprint Selection Area Selection

Map Layers...

| Satellite | Instrument | Product Type | Start Date          | Stop Date           | Longitude | Version ID |
|-----------|------------|--------------|---------------------|---------------------|-----------|------------|
| MSG2      | SEVI       | MSG15        | 2012/04/08 12:00:10 | 2012/04/08 12:12:40 | 0         | 0          |
| MSG2      | SEVI       | MSG15        | 2012/04/08 12:15:10 | 2012/04/08 12:27:40 | 0         | 0          |
| MSG2      | SEVI       | MSG15        | 2012/04/08 12:30:10 | 2012/04/08 12:42:40 | 0         | 0          |
| MSG2      | SEVI       | MSG15        | 2012/04/08 12:45:10 | 2012/04/08 12:57:41 | 0         | 0          |
| MSG2      | SEVI       | MSG15        | 2012/04/08 13:00:10 | 2012/04/08 13:12:41 | 0         | 0          |
| MSG2      | SEVI       | MSG15        | 2012/04/08 13:15:10 | 2012/04/08 13:27:41 | 0         | 0          |
| MSG2      | SEVI       | MSG15        | 2012/04/08 13:30:10 | 2012/04/08 13:42:41 | 0         | 0          |
| MSG2      | SEVI       | MSG15        | 2012/04/08 13:45:10 | 2012/04/08 13:57:41 | 0         | 0          |
| MSG2      | SEVI       | MSG15        | 2012/04/08 14:00:10 | 2012/04/08 14:12:41 | 0         | 0          |
| MSG2      | SEVI       | MSG15        | 2012/04/08 14:15:10 | 2012/04/08 14:27:41 | 0         | 0          |
| MSG2      | SEVI       | MSG15        | 2012/04/08 14:30:10 | 2012/04/08 14:42:41 | 0         | 0          |

Map Layers...



# Ordering McIDAS Data Sets from EUMETSAT

EUMETSAT Data Centre Online Ordering

Help Product Navigator About...

Query and Order Shopping Trolley Specific Product Order Order Follow-Up

Shopping trolley management tool

root  
U-MARF  
MSG15  
Meteosat 9 (MSG product family)\_2012-04-08\_12:12:40.8Z  
Meteosat 9 (MSG product family)\_2012-04-08\_12:27:40.9Z  
Meteosat 9 (MSG product family)\_2012-04-08\_12:42:41.0Z  
Meteosat 9 (MSG product family)\_2012-04-08\_12:57:41.0Z

Remove selected items

Product details

|  |  |
|--|--|
| Product Type                             | MSG15  |
| Orbit Type                               | GEO  |
| Processing Level                         | level 1.5  |
| Satellite ID                             | Meteosat 9 (MSG product family)  |
| Base Algorithm Version                   | 0100   |
| Product Algorithm Version                | none   |
| Reference Time                           | 2012-04-08 12:12:40.849000Z  |
| Disposition Flag                         | Operational mode   |
| Archive Facility                         | U-MARF   |
| Spectral Band Ids                        | VIS 0.6; VIS 0.8; nIR 1.6; IR 3.9; WV 6.2; WV 7.3; IR 8.7; IR 9.7; IR 10.8; IR 12.0; IR 13.4; HRV; |
| Source Environment                       | for operational mode   |
| Instrument ID                            | SEVIRI instrument (MSG)  |
| Subsatellite Point Start Longitude (deg) | 0.0  |
| Processing Start Date and Time           | 2012-04-08 12:12:52.000000Z  |
| Processing Centre                        | descr. MPEF (generated by Eum.)  |
| Dropped Line Count                       | 0  |
| Dropped Line Percentage                  | 0  |
| Associated Quality Information           | none   |
| Overall Quality                          | OK   |
| Reception Start Date and Time            | 2012-04-08 12:00:10.404000Z  |
| Receiving Centre                         | descr. PGS   |
| Reception Stop Date and Time             | 2012-04-08 12:12:40.849000Z  |
| Instrument Mode                          | ALTHRV   |
| Sensing Start Date and Time              | 2012-04-08 12:00:10.404000Z  |
| Sensing Stop Date and Time               | 2012-04-08 12:12:40.849000Z  |

Delivery method

On Media  Direct ETP  Online Http

Check Out

Subsetting and Delivery Options

Media Type: On line delivery

Compression Method: BZIP2

Format Type: McIDAS AREA files

NetCDF(solely calibration values)

|         |                          |                          |                                     |
|---------|--------------------------|--------------------------|-------------------------------------|
| VIS 0.6 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| nIR 1.6 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| IR 3.9  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| WV 6.2  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| WV 7.3  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| IR 8.7  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| IR 9.7  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| IR 10.8 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| IR 12.0 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| IR 13.4 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

Apply default

Subsetting

Reset line / pixel

|    |      |      |
|----|------|------|
| UL | 3712 | 3712 |
| LR | 1    | 1    |

Apply

Browse Preview



# Ordering McIDAS Data Sets from EUMETSAT

**Order Check Out**

**Customer information**

| Delivery Address |                   | Invoice Address |                   |
|------------------|-------------------|-----------------|-------------------|
| Address          | EUMETSAT Allee 1  | Address         | EUMETSAT Allee 1  |
| City             | Darmstadt         | City            | Darmstadt         |
| Post Code        | 64295             | Post Code       | 64295             |
| State or Region  |                   | State or Region |                   |
| Country          | Germany           | Country         | Germany           |
| Telephone        | 06151 807 329     | Telephone       | 06151 807 329     |
| Fax number       | 06151 807 741     | Fax number      | 06151 807 741     |
| e-mail           | peter.miu@eume... | e-mail          | peter.miu@eume... |

**Product Information**

| Product ID     | Media Type       | Format Delivery | Size (MB) | Cost (Euro) |
|----------------|------------------|-----------------|-----------|-------------|
| 20120408121... | On line delivery | McIdas AREA ... | 109.41    | 0.00        |
| 20120408122... | On line delivery | McIdas AREA ... | 109.41    | 0.00        |
| 20120408124... | On line delivery | McIdas AREA ... | 109.41    | 0.00        |
| 20120408125... | On line delivery | McIdas AREA ... | 109.41    | 0.00        |

Total Order Size (MB) 437.64  
Total Order Cost (Euro) 0.00

Notify Order Completion by e-mail.



# Ordering McIDAS Data Sets from EUMETSAT

Help Product Navigator About...

Query and Order Shopping Trolley Specific Product Order Order Follow-Up

ORDERS

- Standard Orders
  - SUBMITTED
    - 1027264\_2012-04-10 07:29:46.0Z
  - DELIVERED
  - ERROR

Cancel selected orders Open the online delivery page...

**Details**

ID: 1027264  
Submission Date: 2012-04-10 07:29:46.0Z  
Price (Euro): 0.00  
Size (MB): 2,084.00

Archive Facility: UMARF

| Granule Name              | Product Type                          | Media Type       | Compression Method | Product Format    |
|---------------------------|---------------------------------------|------------------|--------------------|-------------------|
| 20120408120010-MSG2-MSG15 | High Rate SEVIRI Level 1.5 Image Data | On line delivery | BZIP2              | Mcidas AREA files |
| 20120408121510-MSG2-MSG15 | High Rate SEVIRI Level 1.5 Image Data | On line delivery | BZIP2              | Mcidas AREA files |
| 20120408123010-MSG2-MSG15 | High Rate SEVIRI Level 1.5 Image Data | On line delivery | BZIP2              | Mcidas AREA files |
| 20120408124510-MSG2-MSG15 | High Rate SEVIRI Level 1.5 Image Data | On line delivery | BZIP2              | Mcidas AREA files |



# Ordering McIDAS Data Sets from EUMETSAT

| 1027264-1of1 WinRAR archive                                   |                | 460,130 KB |            |
|---|----------------|------------|------------|
| MSG2-SEVI-MSG15-0100-NA-20120408121240.849000000Z-1027264.tar | WinRAR archive |            | 115,435 KB |
| MSG2-SEVI-MSG15-0100-NA-20120408122740.901000000Z-1027264.tar | WinRAR archive |            | 115,280 KB |
| MSG2-SEVI-MSG15-0100-NA-20120408124240.955000000Z-1027264.tar | WinRAR archive |            | 114,905 KB |
| MSG2-SEVI-MSG15-0100-NA-20120408125741.010000000Z-1027264.tar | WinRAR archive |            | 114,507 KB |
| Mcidas_MSG2-SEVI-MSG15-0100-NA-20120408121240.HRV             | HRV File       |            | 242,210 KB |
| Mcidas_MSG2-SEVI-MSG15-0100-NA-20120408121240.IR16            | IR16 File      |            | 26,914 KB  |
| Mcidas_MSG2-SEVI-MSG15-0100-NA-20120408121240.IR39            | IR39 File      |            | 26,914 KB  |
| Mcidas_MSG2-SEVI-MSG15-0100-NA-20120408121240.IR87            | IR87 File      |            | 26,914 KB  |
| Mcidas_MSG2-SEVI-MSG15-0100-NA-20120408121240.IR97            | IR97 File      |            | 26,914 KB  |
| Mcidas_MSG2-SEVI-MSG15-0100-NA-20120408121240.IR108           | IR108 File     |            | 26,914 KB  |
| Mcidas_MSG2-SEVI-MSG15-0100-NA-20120408121240.IR120           | IR120 File     |            | 26,914 KB  |
| Mcidas_MSG2-SEVI-MSG15-0100-NA-20120408121240.IR134           | IR134 File     |            | 26,914 KB  |
| Mcidas_MSG2-SEVI-MSG15-0100-NA-20120408121240.VIS6            | VIS6 File      |            | 26,914 KB  |
| Mcidas_MSG2-SEVI-MSG15-0100-NA-20120408121240.VIS8            | VIS8 File      |            | 26,914 KB  |
| Mcidas_MSG2-SEVI-MSG15-0100-NA-20120408121240.WV62            | WV62 File      |            | 26,914 KB  |
| Mcidas_MSG2-SEVI-MSG15-0100-NA-20120408121240.WV73            | WV73 File      |            | 26,914 KB  |
| README  |                |            |            |

# EUMETSAT Product Navigator: <http://navigator.eumetsat.int>

The **Product Navigator** is the **central online access to all of EUMETSAT's data information and meta-data**. The Navigator complies with ISO 19115/19139 meta-data standards and conforms to the EU INSPIRE directive.

The image displays two screenshots of the EUMETSAT website. The left screenshot shows the EUMETSAT homepage with a red arrow pointing to the 'PRODUCT NAVIGATOR' link in the 'WHAT'S NEW' sidebar. The right screenshot shows the Product Navigator interface with a red arrow pointing to the search options: 'Simple Search', 'Extended Search', and 'Browse by Theme'.



# EUMETSAT Product Navigator: <http://navigator.eumetsat.int>

The image displays two overlapping screenshots of the EUMETSAT Product Navigator website. The top-left screenshot shows the search interface with the text 'Mcidas' entered in the search box. A red arrow points to the search box. The top-right screenshot shows the 'List of results' page with four dataset entries. Red arrows point to the first three entries: 'HRI Level 1.5 Image Data - MFG - 0 degree', 'HRI Level 1.5 Image Data - MFG - ADC', and 'HRI Level 1.5 Image Data - MFG - Indian Ocean'. The fourth entry is 'HRI Level 1.5 Image Data - MFG - XADC'. The website header includes the EUMETSAT logo and the text 'PRODUCT NAVIGATOR Collection Discovery Service'. The search interface includes a sidebar with options like 'Simple search', 'Extended search', and 'Browse by theme'. The results page includes a 'Back to query' link and a 'Number of records: 7' indicator.



# The EUMETSAT McIDAS ADDE Server (used for training)

McIDAS-V - Data Explorer

Data Sources | Field Selector | Layer Controls

Server: adde.eumetsat.int | Dataset: EUM\_AD | Connect

Image Type: -- Select --

Times:

- M8 - M8
- M8HRV - M8HRV
- M8RS - M8RS
- M8RSHRV - M8RSHRV
- M9 - M9
- M9HRV - M9HRV
- USR01 - USR01

Navigation: Default

Preview:  Create preview image

McIDAS-V - Data Explorer

Data Sources | Field Selector | Layer Controls

Data Sources:

- Formulas
- M9 - M9 (All Bands)

Fields:

- 0.6 um VIS Cloud and Surface Features
- 0.8 um VIS Aerosols over Water, Veg
- 1.6 um Near IR - Surface, cloud phase
- 3.9 um IR Low Cloud/Fog, Fire Detection
  - Raw
  - Radiance
  - Temperature
  - Brightness
- 6.2 um IR Upper-level Water Vapor
- 7.3 um IR Mid-level Water Vapor
- 8.7 um IR Total Water, Cloud Phase, Dust
- 9.7 um Ozone
- 10.8 um IR Surface/Cloud-top Temp
- 12.0 um IR SFC/Cloud Temp, Low-level WW
- 13.4 um IR CO2, Cloud Heights
- SEVIRI RGB

Displays:

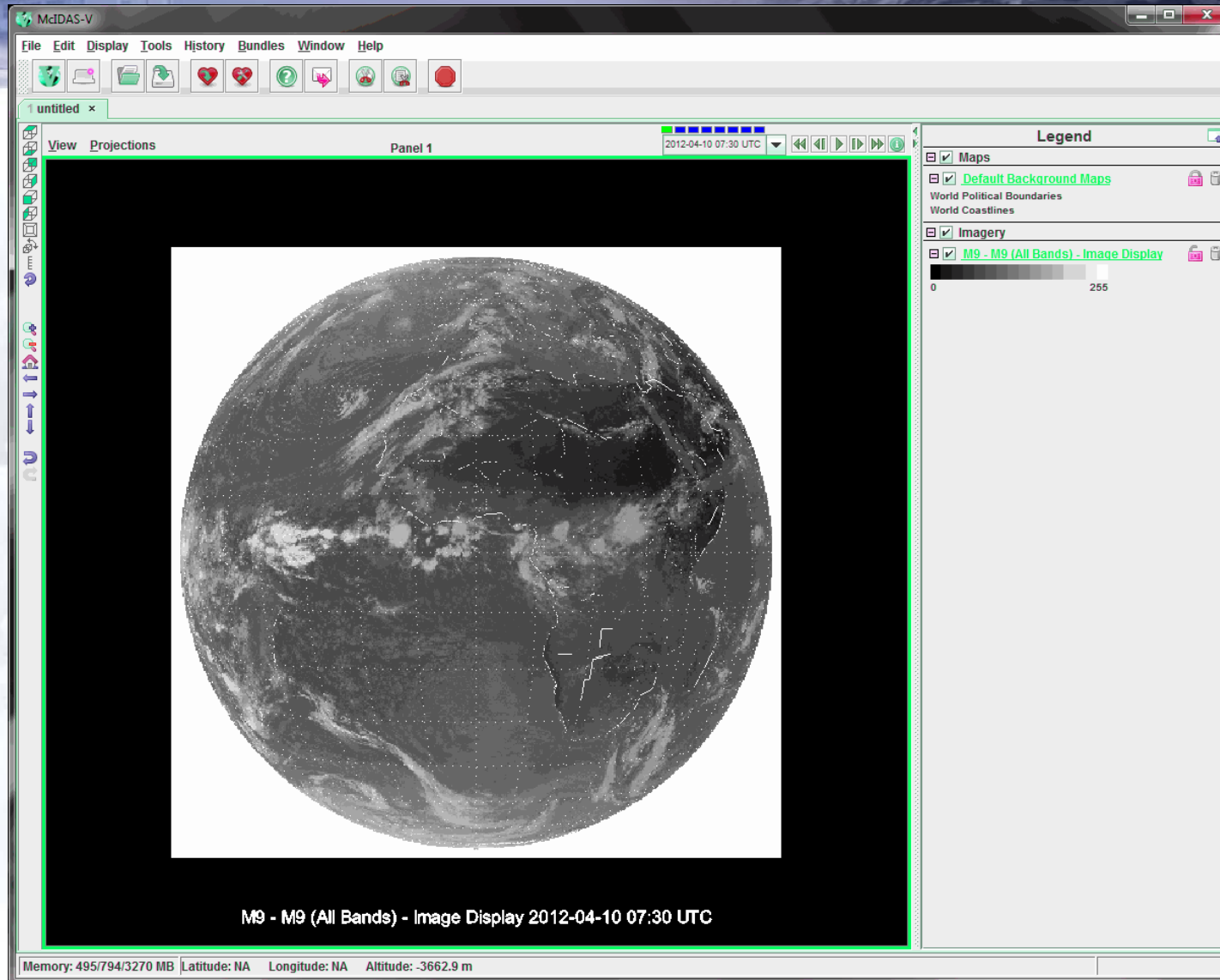
- Imagery
  - Image Display
  - Image Display Over Topography
  - Image Contours
  - Scatter Analysis
- General
  - Data Transect
  - Data Probe/Time Series

Times | Region | Advanced | Settings

Create Display



# The EUMETSAT McIDAS ADDE Server





# User Service Division: Point of contact for User's feedback to improve all EUMETSAT Data Access Services (ops@eumetsat.int)





# End of Presentation

Thank you for your Attention, questions ?

EUMETSAT URLs:

<http://www.eumetsat.int>

<http://eoportal.eumetsat.int>

<http://navigator.eumetsat.int>

<http://adde.eumetsat.int>