



## **Data tree on LML FTP server (Ifremer eftp1 server)**

Version: 1.2

Date: 26/02/2021

Prepared by:



## Document Change record

| Document version | Software version | Date       | Author | Change description  |
|------------------|------------------|------------|--------|---|
| 0.1              |                  | 05/04/2018 | CH     | First version written for the switch from the older server to "Datarmor"  |
| 0.2              |                  | 06/04/2018 | CH     | Data in the l3p directory moved to the l3c one  |
| 1.0              |                  | 16/04/2018 | CH     | Switch to "Datarmor" completed on 10/04/2018. Addition of MSG/SST data record (OSI-250): sst/l3c/east_atlantic_west_indian/meteosat_data_record   |
| 1.1              |                  | 14/12/2018 | CH     | Addition of old products: ATL (MAP et LML) et NAR, that were on another FTP server.<br>data/radflux/l3/atlantic/lml<br>data/radflux/l3/atlantic/map<br>data/sst/l3c/atlantic/lml<br>data/sst/l3c/atlantic/map<br>data/sst/l3c/north_atlantic/nar_avhrr_noaa_subregions/ |
| 1.2              |                  | 26/02/2021 | CH     | Addition of<br>data/sst/l2p/global/avhrr_metop_c<br>data/sst/l3c/north_atlantic/nar_viirs_noaa_20   |

## Table of contents

|   |   |
|---|---|
| 1. OSI SAF distribution means and LML FTP server.....     | 2 |
| 2. Geographic areas and projections.....                  | 3 |
| 2.1. Geostationary (GEO) satellite coverages.....         | 3 |
| 2.2. Low Earth Orbit (LEO) satellite coverages.....       | 3 |
| 2.3. Old products: combined/split areas.....              | 3 |
| 3. How is the data tree organized ?.....                  | 5 |
| 4. Data tree organization.....                            | 5 |
| 5. Data tree organization with links to former paths..... | 7 |
| 6. Documentation.....                                     | 9 |

## 1. OSI SAF distribution means and LML FTP server

The different means to get OSI SAF data are introduced on <http://www.osi-saf.org/?q=content/access-data>.

The OSI SAF LML FTP server is one of the OSI SAF FTP servers and is managed by Ifremer. It is called the LML (for Low and Mid Latitudes) server or the Ifremer server.

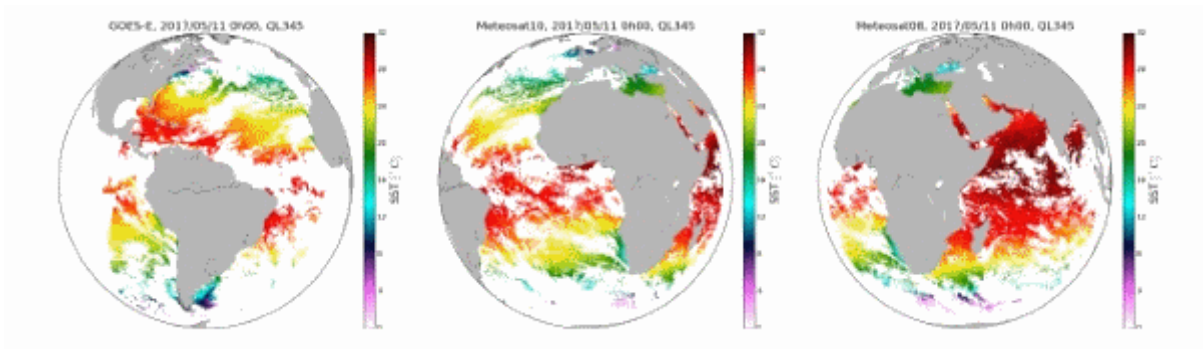
On this server, OSI SAF sea surface temperature and radiative fluxes products (except the high latitudes ones) are available to users who requested an account on OSI SAF web site.

The products are sorted by processing level (read more about levels on <http://www.osi-saf.org/?q=content/acronyms-and-links>, search for "L2" "L3") and by geographic coverage.

## 2. Geographic areas and projections

### 2.1. Geostationary (GEO) satellite coverages

Geostationary (GEO) satellite coverages are named *east\_atlantic\_west\_indian*, *indian* and *west\_atlantic\_east\_pacific*, with reference to the Ocean names. This corresponds to the following satellites positions:



*west\_atlantic\_east\_pacific*

GOES-East position  
cylindrical equidistant

*east\_atlantic\_west\_indian*

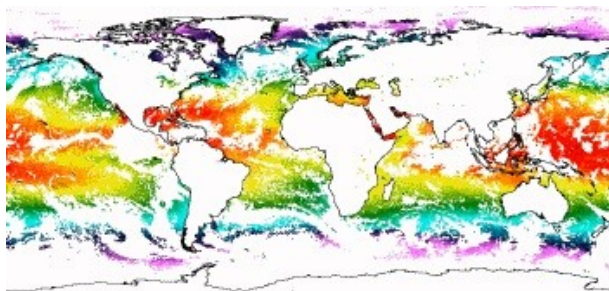
Meteosat 0° position  
cylindrical equidistant

*indian*

Indian Ocean Data Coverage (IODC)  
or Meteosat Indian Ocean  
cylindrical equidistant

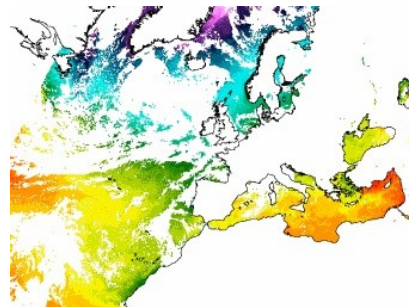
### 2.2. Low Earth Orbit (LEO) satellite coverages

Low Earth Orbit (LEO) satellite coverages are named *global* and *north\_atlantic*. Polar orbiter is also used for LEO satellite.



*global*

cylindrical equidistant

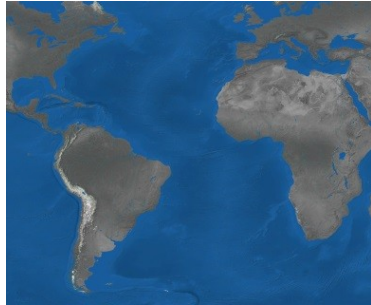


*north\_atlantic*

polar stereographic

### 2.3. Old products: combined/split areas

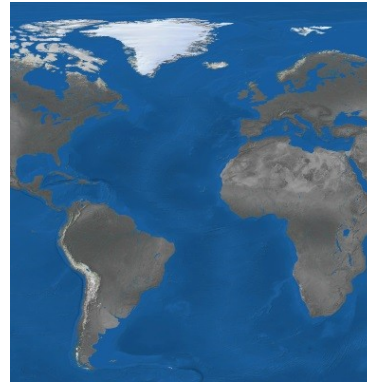
Moreover, there are old products on combined LEO and GEO areas called *atlantic* which are named **lml** (low and mid latitude) and **map** (merged Atlantic product). These products have been superseded in 2008 but are still available for the years until 2008.



**atl/lml** (atlantic/low and mid latitude)

Atlantic area from 60 N to 60 S and from 45 E (to cover the black sea) to 100 W (to cover the Gulf of Mexico)

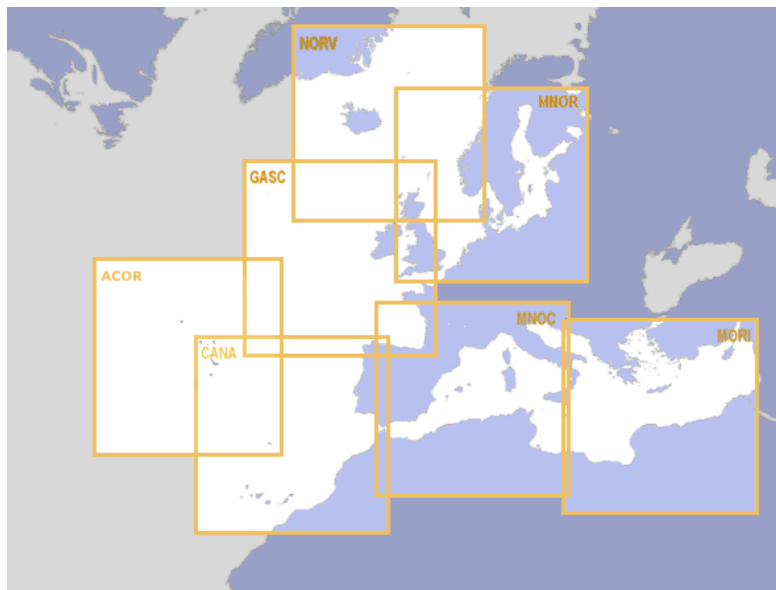
Linear scaling in latitude and longitude



**atl/map** (atlantic/merged atlantic product)

Atlantic ocean from North pole (89.9 N) to 60 S and from 45 E to 100 W

Linear scaling in latitude and longitude



Old **north\_atlantic** SST products are split in files covering the following areas. These products have been superseded in 2008 but are still available for the years until 2008.

- MOCC and MORI over the western and eastern Mediterranean,
- CANA, ACOR and GASC over the near Atlantic,
- NORV and MNOR over the Norwegian and North seas.

Stereopolar

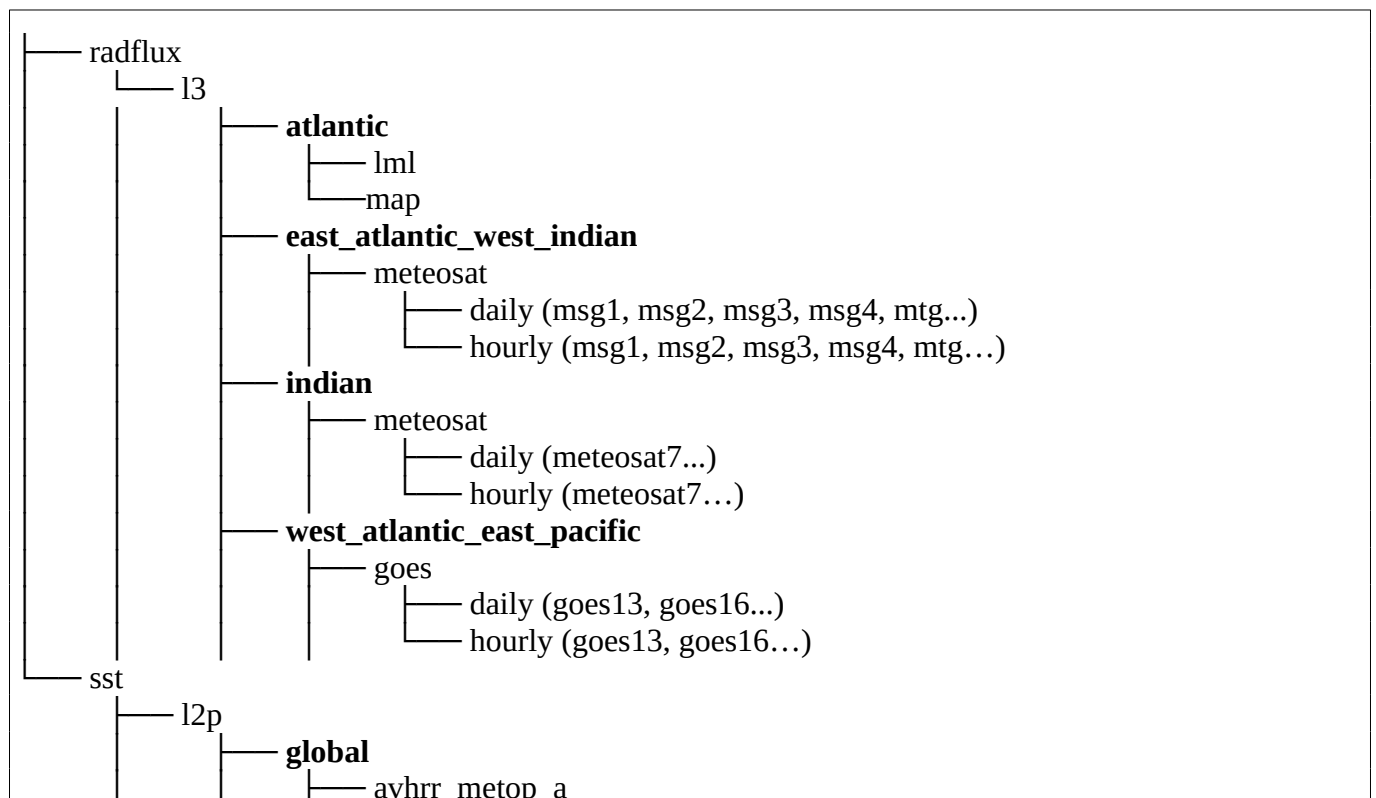
### 3. How is the data tree organized ?

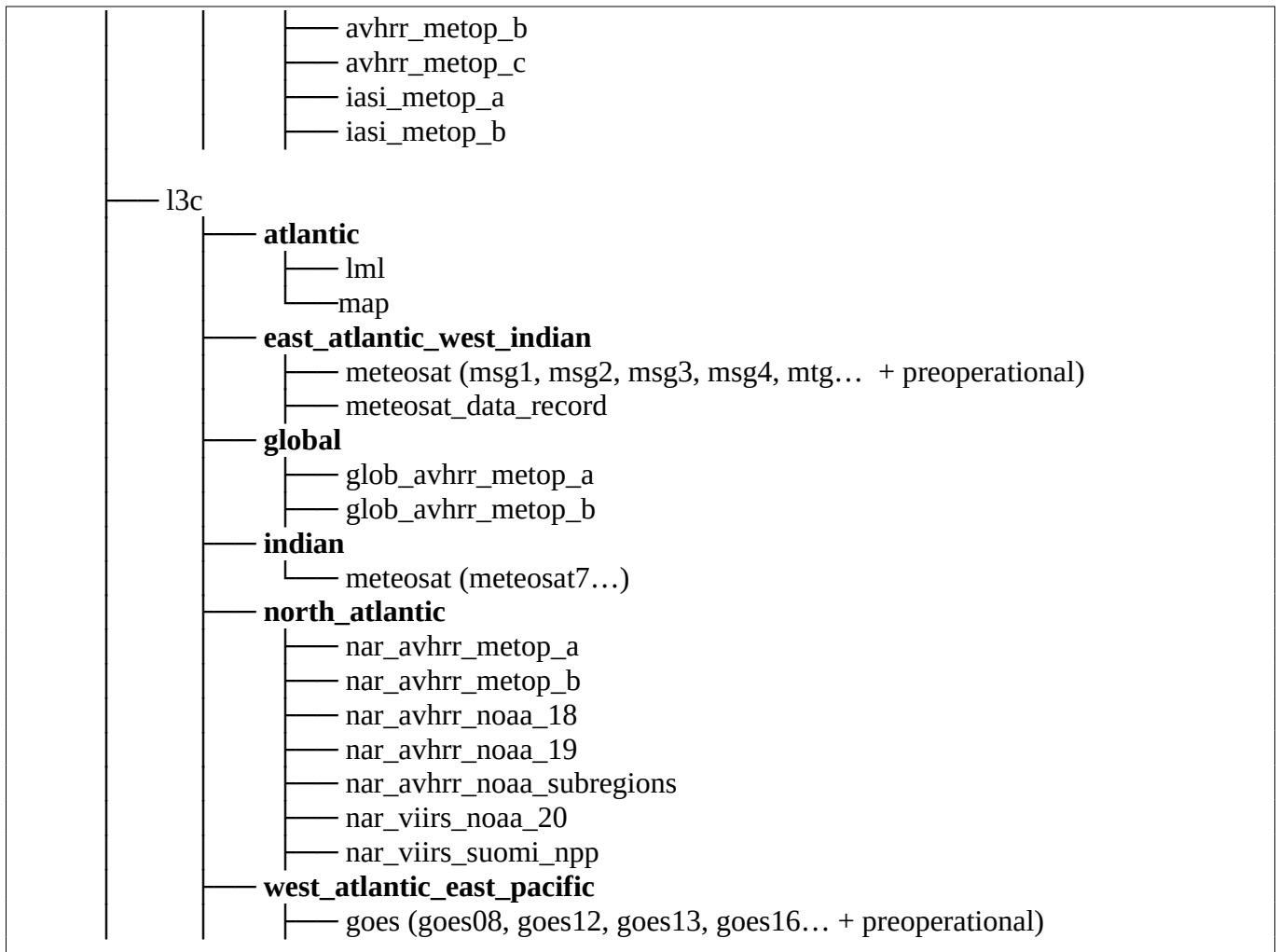
The data tree, on <ftp://eftp1.ifremer.fr/cersat-rt/project/osisaf/data/>, is organized as following:

- 1<sup>st</sup> sub-directories part the sea surface temperature (sst) from the radiative fluxes (radflux) products
- 2<sup>nd</sup> level of sub-directories shows the processing level of the products
  - I2, I2p: same resolution and location as the level 1 source data. L2P (pre-processed) products are satellite SST observations together with a measure of uncertainty for each observation in a common GHRSSST netCDF format.
  - I3, I3c: spatially and/or temporally re-sampled. Multiple L2P files are gridded to produce a "col-lated" L3 file (L3C) from a single sensor.
- 3<sup>rd</sup> level of sub-directories indicates the geographic coverage of the product (east\_atlantic\_west\_in-dian, west\_atlantic\_east\_pacific, global, north\_atlantic...)
- then the sensor and/or the satellite

Note: The Group for High Resolution Sea Surface Temperature (GHRSSST) Data Processing Specification (GDS) provides a details technical specification for producing GHRSSST L2, L3 and L4 products. The latest re-lease is [GDS 2.0 revision 5](#).

### 4. Data tree organization

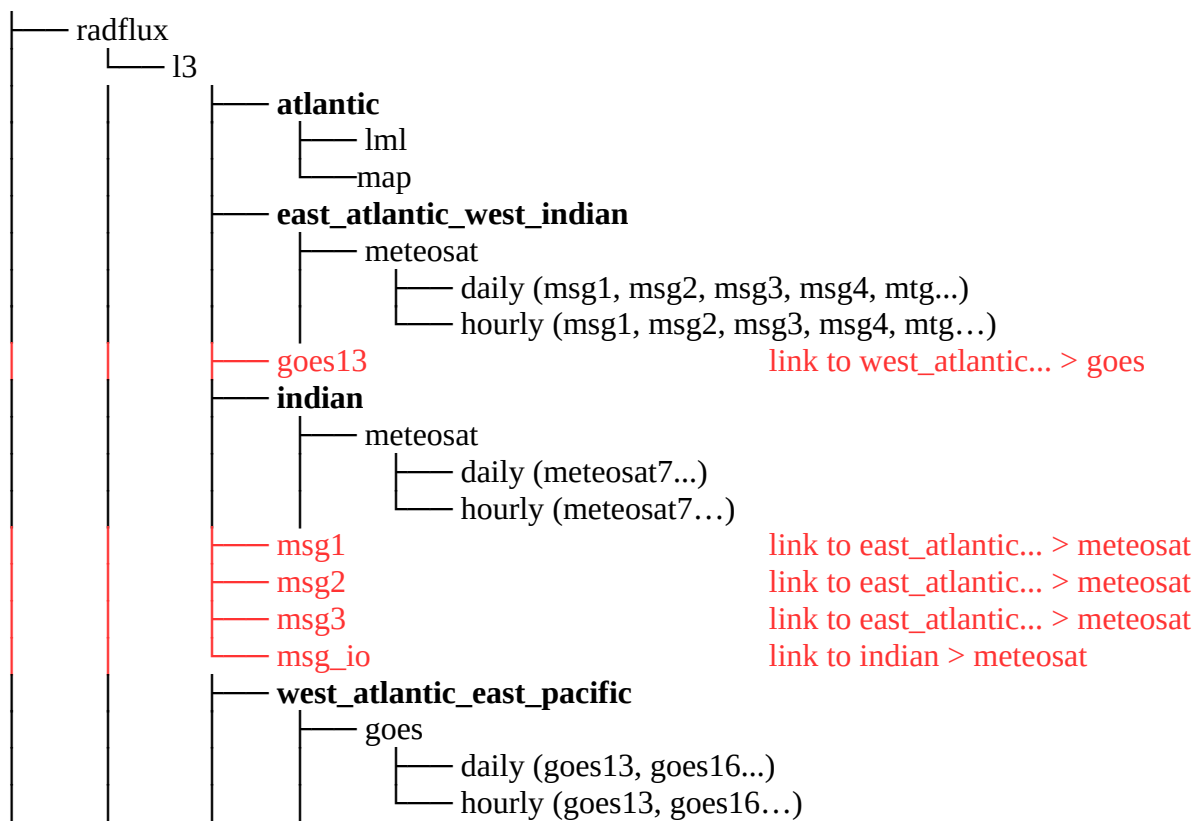


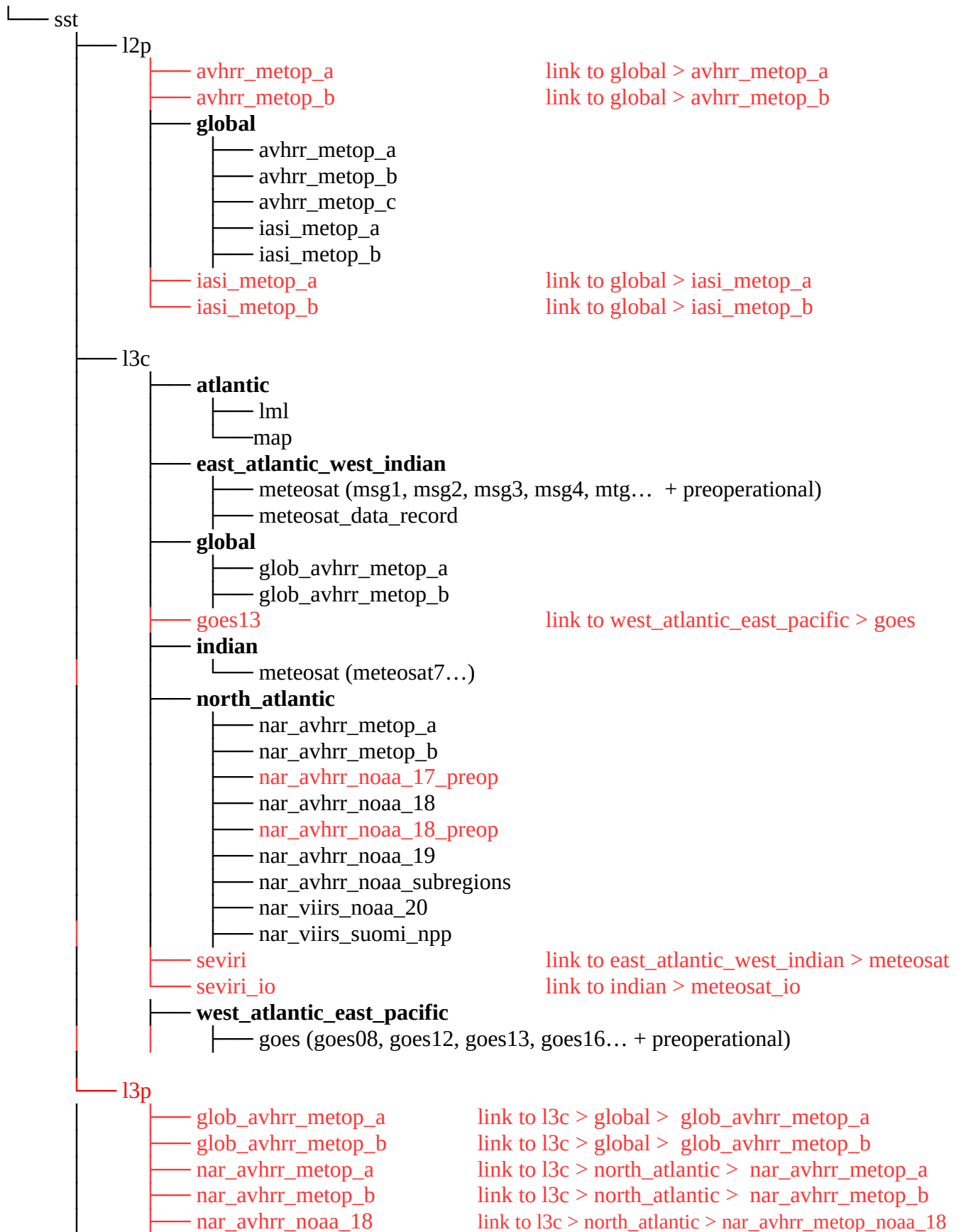


## 5. Data tree organization with links to former paths

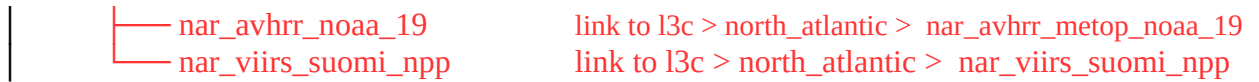
Former paths remain fully valid through links to ensure a seamless transition. But users are advised to use the new folder structure. In the tree below, links are written in red and are planned to be removed.

If you are using paths in red in the tree below, please switch to the corresponding black path.









If you are using paths in red in the tree above, please switch to the corresponding black path.

Note: The processing level L3P does not exist any more in the last version of the GHRSSST Data Specification.

## 6. Documentation

All the products documentation can be found on <http://osi-saf.eumetsat.int>.