 

RRPP-TN-0007-CS

COPERNICUS - REPROCESSING REFERENCE PACKAGE PREPARATION

Configuration Baseline User Manual For Sentinel-3-MWR-SRAL

25 August 2021

Document Change Record

|  |  |  |
| --- | --- | --- |
| Version | Date | Changes |
| Version 1 | 15 December 2020 | 1st issue for Sentinel-3 MWR&SRAL |
| Version 2 | 15 January 2021 | List of static files added |
| Version 2.1 | 02 April 2021 | Minor corrections |
| Version 2.2 | 11 June 2021 | Types out of scope, list of gaps |
| Version 2.3 | 25 August 2021 | Recommendation for MWR only |

Table of Content

[1. Context and Scope 3](#_Toc68087522)

[2. Presentation of the Reprocessing Configuration Baseline Reference and User Guide 4](#_Toc68087523)

[3. Annex: All ADF Table 12](#_Toc68087524)

Reference Documents for Sentinel-3

COPE-S3GS-EOPG-TN-14-0008 Sentinel-3 Product units initial configuration 1.4.pdf

GMV-S3PODIPF-ICD-0001\_v1.18\_Sentinel-3\_POD\_IPF\_Interface\_Control\_Document.pdf

S3IPF ICD 001 - i1r4 - Interface Control Document - Common.pdf

S3IPF ICD 002 - i1r5 - Interface Control Document - Level 0.pdf

S3IPF ICD 007 - i1r4 - Interface Control Document - MWR.pdf

S3IPF ICD 008.1 - i3r9 - Interface Control Document - SRAL Level 1.pdf

S3IPF ICD 008.2 - i3r10 - Interface Control Document - SRAL Level 2 Land.pdf

S3IPF PDS 001 - i1r8 - Product Data Format Specification - Level 0.pdf

S3IPF PDS 002 - i1r7 - Product Data Format Specification - Product Structures.pdf

S3IPF PDS 003.1 - i2r12 - Product Data Format Specification - SRAL & MWR Level 1.pdf

S3IPF PDS 003.2 - i2r12 - Product Data Format Specification - SRAL&MWR Level 2 Land.pdf

S3IPF PDS 007.7 - i2r12 - Auxiliary Data Format Specification - MWR-SRAL Level 2.pdf

S3MPC.ACR.PBD.001 - i2r47 - S3A - IPF Processing Baseline Document.pdf

S3MPC.ACR.PBD.002 - i1r19 - S3B - IPF Processing Baseline Document.pdf

Applicable Documents

[AD-01] RRPP-API-0001-CS Reprocessing-Configuration-Baseline API ICD

# Context and Scope

The Reprocessing Reference Package allows the preparation of the future Sentinel-1/2/3 reprocessing activities by ensuring that all information required to reprocess past instrumental data is available and ready to use in the frame of a reprocessing operational service.

The Reprocessing Preparation Package is composed of :

- a summary Reprocessing Configuration Baseline and an API to query the Reprocessing Configuration Baseline based on the mission satellite unit, sensing time, IPF version to be used, product level and type to be generated,

- an interface delivery point on a cloud environment providing access to all auxiliary files required for the reprocessing operation,

- a detailed Reprocessing Data Baseline and an API to retrieve the auxiliary files to be used for a given time period.

The processing chains of Level-1&2 products use a set of auxiliary files to ensure that the generated products meet the quality and calibration/validation specifications.

The auxiliary files used in a reprocessing operation include typically:

* Static auxiliary files, which are not instrument or time dependent. They may be updated rarely in case a new version becomes available.
* Processor auxiliary files, which are generated by the Copernicus/ESA Ground Segment. They are linked to a specific instrument configuration or to an enhanced set of calibration and/or validation information. They are updated on a case by case basis.
* External auxiliary files, which are generated based on information retrieved from external sources, e.g. from meteo centres. These files are updated frequently, up to several times per day.
* Orbit auxiliary files, which are updated frequently, up to once per orbit.

The reprocessing operation is performed with an upgraded version of the data processor and a corresponding set of auxiliary files.

# Presentation of the Reprocessing Configuration Baseline Reference and User Guide

This document is the User Manual of the Reprocessing Configuration Baseline for Sentinel-3 MWR+SRAL mission.

It gives information on the content of the Reprocessing Configuration Baseline, how it is implemented and how it should be used.

It provides the necessary definition and information for the preparation of any reprocessing campaign using the last IPF versions available today.

The generic table in annex (called “All\_ADF”) provides the list of all types of auxiliary files needed for the Sentinel missions. For each type, the table provides the unit dependency (yes or no), the usage (in processor level 0 or 1 or 2) and the variability (static of dynamic). A static type is rarely updated while a dynamic type is often updated.

Then a Reprocessing Configuration Baseline table provides the list of exact auxiliary files to be used with the last processor applicable version with their application time, for each sentinel unit.

This table is made of the following columns:

* The satellite unit: A or B
* The application period: period of sensing time where the given auxiliary files are applicable
* The product level and type: the product type which can be generated using the given auxiliary files
* The processor (IPF) version considered for this table
* The auxiliary type and the auxiliary file name which are applicable

It takes into account any changes in time affecting the instrument configuration or on-board calibration, the potential enhancements in the auxiliary files, the potential changes related to the processor evolutions, etc, in order to ensure the ingestion of the applicable auxiliary files for the last operational IPF version.

The Application Programming Interface (API) allows the query and retrieval of the corresponding list of auxiliary files given a mission satellite unit, sensing time period and product type to be generated.

The API access is protected and uses an authorization protocol with generic mail address.

The users connect to the API according to [AD-2].

The main focus is on the set of the auxiliary (ADF) files for the mission.

The general reprocessing rules agreed with ESA are the following ones:

* CAL data must correspond to the real instrument configuration and calibration status at the considered sensing time.
* IERS data must be as close as possible to the considered sensing time (less than one week before).
* ECMWF data should come from the same reanalysis version for all the reprocessing coherency (no forecast needed).
* Processing parameters should be the best ones and the same version for all the reprocessing coherency.
* HKTM data should be the last version correcting any previous temporary anomalies or data gaps.
* Orbit data must be the best quality (precise from the Copernicus POD service).
* Black orbits should be listed and not reprocessed because these orbits suffered from anomalies in raw data which are impossible to correct.

The last available IPF versions are provided in the following table:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| mission | instrument | level 1/2 | release date | IPF version | Baseline ID |
| S3 | SRAL | L1 | 16/07/2020 | 06.19 | S3A-2.69 & S3B-1.45 |
| S3 | SRAL | L2 | 16/07/2020 | 06.19 | S3A-2.69 & S3B-1.45 |
| S3 | MWR | L1 | 16/07/2020 | 06.11 | S3A-2.69 & S3B-1.45 |

These processing versions are considered as the applicable baselines for this activity.

Any new IPF version official release will trigger a new version of this User Manual.

SR\_2\_PCPPAX (from CPOD) is used but SR\_2\_PCPSAX (from CNES) is not.

SR\_\_\_POEPAX (from CPOD) is used but SR\_\_\_POESAX (from CNES) is not.

Note that SR\_\_\_CHDRAX files are not available and not necessary for now.

The following dynamic ADF types are not used for reprocessing activity:

ROE\_AX, MGNPAX, MGNSAX, PMPPAX, PMPSAX, MDO\_AX, POESAX, PCPSAX, PMO\_AX, PGI\_AX

List of gaps in dynamic ADF:

gap: S3A\_SR\_\_\_POEPAX\_20170113T215942\_20170114T235942\_20170208T071436\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_POD\_O\_NT\_001.SEN3.zip - S3A\_SR\_\_\_POEPAX\_20170115T215942\_20170116T235942\_20170210T071647\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_POD\_O\_NT\_001.SEN3.zip : 2017-01-14T23:59:42 - 2017-01-15T21:59:42 not covered

gap: S3\_\_SR\_2\_RMO\_AX\_20160324T180000\_20160324T180000\_20160414T114751\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_CNE\_O\_NT\_001.SEN3.zip - S3\_\_SR\_2\_RMO\_AX\_20160330T180000\_20160330T180000\_20160420T114742\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_CNE\_O\_NT\_001.SEN3.zip : 2016-03-25T00:00 - 2016-03-30T12:00 not covered

For POL\_AX and USO\_AX, the files are incremental: each new file contains the previous file plus new information. The validity start date is always the same; only the validity stop date is incremented. Therefore, the completeness check is between the two consecutive validity stop dates and the difference must be less or equal to the frequency interval.

For RMO\_AX, the validity period is null (validity start date equals validity stop date).

Based on S3IPF.ICD.008.2 Interface Control Document - SRAL Level 2 Land, +/- 6hours have to be applied on validity start and stop; this information is used for the completeness check, in order to overcome the null validity period.

An example of Baseline Table is provided on the following page (Baseline S3 SRAL).

In case of MWR reprocessing only (without SRAL), only the ADF with MW\_1, MW\_\_ and AX\_\_ are necessary.

The contrary is not true: MWR ADF are necessary for SRAL reprocessing action.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Unit** | **Application Period** | **Product Level** | **Product Type** | **Auxiliary Type** | **Auxiliary File** | **IPF Version** |
| A | 20160216T000000-20991231T235959 | L1 | CAL and MWR | MW\_1\_DNB\_AX | GetReproBaselineListForPeriod(Mission=’S3MWR’, “Unit=’A’, SensingTimeStart=’2016-02-16T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L1’) | MWR-6.11 |
| A | L1 | CAL and MWR | MW\_1\_MON\_AX | GetReproBaselineListForPeriod(Mission=’S3MWR’, “Unit=’A’, SensingTimeStart=’2016-02-16T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L1’) | MWR-6.11 |
| A | L1 | CAL and MWR | MW\_1\_NIR\_AX | GetReproBaselineListForPeriod(Mission=’S3MWR’, “Unit=’A’, SensingTimeStart=’2016-02-16T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L1’) | MWR-6.11 |
| A | L1 | CAL and SRA | AX\_\_\_BB2\_AX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’A’, SensingTimeStart=’2016-02-16T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L1’) | SRAL-6.19 |
| A | L1&2 | CAL and SRA | SR\_\_\_POEPAX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’A’, SensingTimeStart=’2016-02-16T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L1’) | SRAL-6.19 |
| A | L1 | CAL and SRA | AX\_\_\_MA1\_AX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’A’, SensingTimeStart=’2016-02-16T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L1’) | SRAL-6.19 |
| A | L1 | CAL and SRA | AX\_\_\_MA2\_AX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’A’, SensingTimeStart=’2016-02-16T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L1’) | SRAL-6.19 |
| A | L1 | CAL and SRA | SR\_1\_USO\_AX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’A’, SensingTimeStart=’2016-02-16T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L1’) | SRAL-6.19 |
| A | L1 | CAL and SRA | SR\_1\_CA1LAX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’A’, SensingTimeStart=’2016-02-16T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L1’) | SRAL-6.19 |
| A | L1 | CAL and SRA | SR\_1\_CA1SAX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’A’, SensingTimeStart=’2016-02-16T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L1’) | SRAL-6.19 |
| A | L1 | CAL and SRA | SR\_1\_CA2CAX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’A’, SensingTimeStart=’2016-02-16T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L1’) | SRAL-6.19 |
| A | L1 | CAL and SRA | SR\_1\_CA2KAX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’A’, SensingTimeStart=’2016-02-16T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L1’) | SRAL-6.19 |
| A | L2 | LAN | \*\*\* | all static files | SRAL-6.19 |
| A | L2 | LAN | SR\_2\_RMO\_AX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’A’, SensingTimeStart=’2016-02-16T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L2’) | SRAL-6.19 |
| A | L2 | LAN | SR\_2\_POL\_AX | **G**etReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’A’, SensingTimeStart=’2016-02-16T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L2’) | SRAL-6.19 |
| A | L2 | LAN | SR\_2\_RGI\_AX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’A’, SensingTimeStart=’2016-02-16T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L2’) | SRAL-6.19 |
| A | L2 | LAN | SR\_2\_SIC\_AX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’A’, SensingTimeStart=’2016-02-16T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L2’) | SRAL-6.19 |
| A | L1&2 | LAN | SR\_2\_PCPPAX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’A’, SensingTimeStart=’2016-02-16T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L2’) | SRAL-6.19 |
| B | 20180425T000000-20991231T235959 | L1 | CAL and MWR | MW\_1\_DNB\_AX | GetReproBaselineListForPeriod(Mission=’S3MWR’, “Unit=’B’, SensingTimeStart=’2018-04-25T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L1’) | MWR-6.11 |
| B | L1 | CAL and MWR | MW\_1\_MON\_AX | GetReproBaselineListForPeriod(Mission=’S3MWR’, “Unit=’B’, SensingTimeStart=’2018-04-25T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L1’) | MWR-6.11 |
| B | L1 | CAL and MWR | MW\_1\_NIR\_AX | GetReproBaselineListForPeriod(Mission=’S3MWR’, “Unit=’B’, SensingTimeStart=’2018-04-25T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L1’) | MWR-6.11 |
| B | L1 | CAL and SRA | AX\_\_\_BB2\_AX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’B’, SensingTimeStart=’2018-04-25T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L1’) | SRAL-6.19 |  |
| B | L1&2 | CAL and SRA | SR\_\_\_POEPAX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’B’, SensingTimeStart=’2018-04-25T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L1’) | SRAL-6.19 |  |
| B | L1 | CAL and SRA | AX\_\_\_MA1\_AX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’B’, SensingTimeStart=’2018-04-25T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L1’) | SRAL-6.19 |  |
| B | L1 | CAL and SRA | AX\_\_\_MA2\_AX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’B’, SensingTimeStart=’2018-04-25T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L1’) | SRAL-6.19 |  |
| B | L1 | CAL and SRA | SR\_1\_USO\_AX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’B’, SensingTimeStart=’2018-04-25T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L1’) | SRAL-6.19 |  |
| B | L1 | CAL and SRA | SR\_1\_CA1LAX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’B’, SensingTimeStart=’2018-04-25T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L1’) | SRAL-6.19 |  |
| B | L1 | CAL and SRA | SR\_1\_CA1SAX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’B’, SensingTimeStart=’2018-04-25T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L1’) | SRAL-6.19 |  |
| B | L1 | CAL and SRA | SR\_1\_CA2CAX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’B’, SensingTimeStart=’2018-04-25T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L1’) | SRAL-6.19 |  |
| B | L1 | CAL and SRA | SR\_1\_CA2KAX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’B’, SensingTimeStart=’2018-04-25T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L1’) | SRAL-6.19 |  |
| B | L2 | LAN | \*\*\* | all static files | SRAL-6.19 |  |
| B | L2 | LAN | SR\_2\_RMO\_AX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’B’, SensingTimeStart=’2018-04-25T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L2’) | SRAL-6.19 |  |
| B | L2 | LAN | SR\_2\_POL\_AX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’B’, SensingTimeStart=’2018-04-25T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L2’) | SRAL-6.19 |  |
| B | L2 | LAN | SR\_2\_RGI\_AX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’B’, SensingTimeStart=’2018-04-25T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L2’) | SRAL-6.19 |  |
| B | L2 | LAN | SR\_2\_SIC\_AX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’B’, SensingTimeStart=’2018-04-25T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L2’) | SRAL-6.19 |  |
| B | L1&2 | LAN | SR\_2\_PCPPAX | GetReproBaselineListForPeriod(Mission=’S3SRAL’, “Unit=’B’, SensingTimeStart=’2018-04-25T00:00:00.000Z’, SensingTimeStop=’2100-01-01T00:00:00.000Z’, ProductLevel=’L2’) | SRAL-6.19 |  |

List of applicable static files:

S3A\_MW\_1\_SLC\_AX\_20160216T000000\_20991231T235959\_20190621T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_003.SEN3

S3B\_MW\_1\_SLC\_AX\_20180425T000000\_20991231T235959\_20190621T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_002.SEN3

S3A\_MW\_\_\_CHDNAX\_20160216T000000\_20991231T235959\_20170908T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_004.SEN3

S3A\_MW\_\_\_CHDRAX\_20160216T000000\_20991231T235959\_20170908T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_004.SEN3

S3B\_MW\_\_\_CHDNAX\_20180425T000000\_20991231T235959\_20181116T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_002.SEN3

S3B\_MW\_\_\_CHDRAX\_20180425T000000\_20991231T235959\_20181116T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_002.SEN3

S3A\_MW\_\_\_STD\_AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3B\_MW\_\_\_STD\_AX\_20180425T000000\_20991231T235959\_20180409T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3A\_AX\_\_\_OSF\_AX\_20160216T192404\_99991231T235959\_20200826T081958\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_EUM\_O\_AL\_001.SEN3

S3B\_AX\_\_\_OSF\_AX\_20180425T191855\_99991231T235959\_20200826T092034\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_EUM\_O\_AL\_001.SEN3

S3\_\_AX\_\_\_CST\_AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_AX\_\_\_CLM\_AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_AX\_\_\_DEM\_AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_AX\_\_\_LWM\_AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_AX\_\_\_OOM\_AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_AX\_\_\_TRM\_AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_\_\_LSM\_AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3A\_SR\_\_\_CHDNAX\_20160216T000000\_20991231T235959\_20200312T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_006.SEN3

S3B\_SR\_\_\_CHDNAX\_20180425T000000\_20991231T235959\_20200312T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_005.SEN3

S3A\_SR\_1\_CONCAX\_20160216T000000\_20991231T235959\_20171130T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_003.SEN3

S3A\_SR\_1\_CONMAX\_20160216T000000\_20991231T235959\_20180213T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_007.SEN3

S3B\_SR\_1\_CONCAX\_20180425T000000\_20991231T235959\_20180409T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3B\_SR\_1\_CONMAX\_20180425T000000\_20991231T235959\_20200722T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_004.SEN3

S3\_\_SR\_2\_CP00AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_CP06AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_CP12AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_CP18AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_EOT1AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_EOT2AX\_20160216T000000\_20991231T235959\_20190402T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_003.SEN3

S3\_\_SR\_2\_FLT\_AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_GEO\_AX\_20160216T000000\_20991231T235959\_20190402T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_002.SEN3

S3\_\_SR\_2\_LNEQAX\_20160216T000000\_20991231T235959\_20190402T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_003.SEN3

S3\_\_SR\_2\_LRC\_AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_LT2\_AX\_20160216T000000\_20991231T235959\_20190402T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_003.SEN3

S3\_\_SR\_2\_LT1\_AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_LUTEAX\_20160216T000000\_20991231T235959\_20170713T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_002.SEN3

S3\_\_SR\_2\_LUTFAX\_20160216T000000\_20991231T235959\_20170713T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_002.SEN3

S3\_\_SR\_2\_LUTSAX\_20160216T000000\_20991231T235959\_20181127T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_003.SEN3

S3\_\_SR\_2\_MAG\_AX\_20160216T000000\_20991231T235959\_20170811T140000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_002.SEN3

S3\_\_SR\_2\_MDT\_AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_MLM\_AX\_20160216T000000\_20991231T235959\_20200512T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_004.SEN3

S3\_\_SR\_2\_MSMGAX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_MSS1AX\_20160216T000000\_20991231T235959\_20170713T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_002.SEN3

S3\_\_SR\_2\_MSS2AX\_20160216T000000\_20991231T235959\_20190402T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_003.SEN3

S3\_\_SR\_2\_ODLEAX\_20160216T000000\_20991231T235959\_20170322T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_002.SEN3

S3\_\_SR\_2\_RET\_AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_RRC\_AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_S1AMAX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_S1PHAX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_S2AMAX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_S2PHAX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SD01AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SD02AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SD03AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SD04AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SD05AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SD06AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SD07AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SD08AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SD09AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SD10AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SD11AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SD12AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SET\_AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SFL\_AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SHD\_AX\_20160216T000000\_20991231T235959\_20200220T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_003.SEN3

S3\_\_SR\_2\_SI01AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SI02AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SI03AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SI04AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SI05AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SI06AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SI07AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SI08AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SI09AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SI10AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SI11AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SI12AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SIGLAX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SIGSAX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SSM\_AX\_20160216T000000\_20991231T235959\_20190402T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_002.SEN3

S3\_\_SR\_2\_SST\_AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3\_\_SR\_2\_SURFAX\_20160216T000000\_20991231T235959\_20161010T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_002.SEN3

S3\_\_SR\_2\_WNDLAX\_20160216T000000\_20991231T235959\_20190402T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_002.SEN3

S3\_\_SR\_2\_WNDSAX\_20160216T000000\_20991231T235959\_20190402T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_002.SEN3

S3A\_SR\_2\_CCT\_AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3B\_SR\_2\_CCT\_AX\_20180425T000000\_20991231T235959\_20180409T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3B\_SR\_2\_IC01AX\_20180425T000000\_20991231T235959\_20180409T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3B\_SR\_2\_IC02AX\_20180425T000000\_20991231T235959\_20180409T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3B\_SR\_2\_IC03AX\_20180425T000000\_20991231T235959\_20180409T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3B\_SR\_2\_IC04AX\_20180425T000000\_20991231T235959\_20180409T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3B\_SR\_2\_IC05AX\_20180425T000000\_20991231T235959\_20180409T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3B\_SR\_2\_IC06AX\_20180425T000000\_20991231T235959\_20180409T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3B\_SR\_2\_IC07AX\_20180425T000000\_20991231T235959\_20180409T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3B\_SR\_2\_IC08AX\_20180425T000000\_20991231T235959\_20180409T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3B\_SR\_2\_IC09AX\_20180425T000000\_20991231T235959\_20180409T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3B\_SR\_2\_IC10AX\_20180425T000000\_20991231T235959\_20180409T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3B\_SR\_2\_SSBLAX\_20180425T000000\_20991231T235959\_20180409T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3B\_SR\_2\_SSBSAX\_20180425T000000\_20991231T235959\_20180409T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3B\_SR\_2\_CON\_AX\_20180425T000000\_20991231T235959\_20200407T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_008.SEN3

S3A\_SR\_2\_CON\_AX\_20160216T000000\_20991231T235959\_20200407T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_017.SEN3

S3A\_SR\_2\_SSBLAX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3A\_SR\_2\_SSBSAX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3A\_SR\_2\_IC01AX\_20160216T000000\_20991231T235959\_20161010T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_002.SEN3

S3A\_SR\_2\_IC02AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3A\_SR\_2\_IC03AX\_20160216T000000\_20991231T235959\_20161010T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_002.SEN3

S3A\_SR\_2\_IC04AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3A\_SR\_2\_IC05AX\_20160216T000000\_20991231T235959\_20161010T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_002.SEN3

S3A\_SR\_2\_IC06AX\_20000101T000000\_20991231T235959\_20151214T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_001.SEN3

S3A\_SR\_2\_IC07AX\_20160216T000000\_20991231T235959\_20161010T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_002.SEN3

S3A\_SR\_2\_IC08AX\_20160216T000000\_20991231T235959\_20161010T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_002.SEN3

S3A\_SR\_2\_IC09AX\_20160216T000000\_20991231T235959\_20161010T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_002.SEN3

S3A\_SR\_2\_IC10AX\_20160216T000000\_20991231T235959\_20161010T120000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MPC\_O\_AL\_002.SEN3

# Annex: All ADF Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Type** | **Static/Dynamic** | **Mission** | **Usage** | **unit dependency** | **Comments** |
| SR\_1\_USO\_AX | dynamic | S3SRAL | L1 CAL/SRA | Y | USO frequency to correct altimeter range for USO drift |
| SR\_2\_CON\_AX | static | S3SRAL | L2 LAN | Y | Tuned configuration parameters used in the IPF L2 |
| SR\_\_\_LSM\_AX | static | S3SRAL | L2 LAN | N | Land/Sea mask classification on the earth surface as Land/Sea or coastline, land ice or lakes in IPF L1 and L2 |
| SR\_2\_RMO\_AX | dynamic | S3SRAL | L2 LAN | N | Restituted MOG2D data files generated by SALP for the generation of the STC products. MOG2D allows IGDR products to integrate both corrections of the high frequency part of the ocean variability and the low frequency part of the inverse barometer effect. The barotropic corrections are on a regular Cartesian grid 0.25º x 0.25º. |
| SR\_2\_POL\_AX | dynamic | S3SRAL | L2 LAN | N | Pole location data files generated by SALP. Each file contains the instantaneous pole location used for polar tide computation in IPF L2. |
| SR\_2\_RGI\_AX | dynamic | S3SRAL | L2 LAN | Y | Along track GIM ionospheric corrections generated by SALP and used for the generation of the STC/NTC products. Each file contains the nadir ionospheric correction to be applied to the altimeter range on Ku band in IPF L2. |
| SR\_2\_EOT1AX | static | S3SRAL | L2 LAN | N | Coefficients map for the diurnal and semi diurnal elastic ocean tide calculation, including harmonic coefficients for the principal tide waves from model GOT4.8 for solution 1 in IPF L2 processor |
| SR\_2\_EOT2AX | static | S3SRAL | L2 LAN | N | Coefficients map for the diurnal and semi diurnal elastic ocean tide calculation, including harmonic coefficients for the principal tide waves from model FES2004 for solution 2 in IPF L2 processor |
| SR\_2\_LT1\_AX | static | S3SRAL | L2 LAN | N | Coefficients map for the tidal loading effect calculation, including harmonic coefficients for the principal tide waves from model GOT4.8 for solution 1 in IPF L2 processor |
| SR\_2\_LT2\_AX | static | S3SRAL | L2 LAN | N | Coefficients map for the tidal loading effect calculation, including harmonic coefficients for the principal tide waves from model FES2004 for solution 2 in IPF L2 processor |
| SR\_2\_LNEQAX | static | S3SRAL | L2 LAN | N | Coefficients map for long period ocean tide calculation, including harmonic coefficients to the four dynamical waves of the FES2004 model for IPF L2 |
| SR\_2\_MSS1AX | static | S3SRAL | L2 LAN | N | Mean Sea Surface height map. Solution 1 is CNES-CLS-11. |
| SR\_2\_MSS2AX | static | S3SRAL | L2 LAN | N | Mean Sea Surface height map. Solution 2 is DTU-10. |
| SR\_2\_GEO\_AX | static | S3SRAL | L2 LAN | N | geoid heights of the EGM2008 model |
| SR\_2\_ODLEAX | static | S3SRAL | L2 LAN | N | Bathymetry/Topography from the Global Digital Elevation Model ACE2, with a 30 arcseconds resolution. |
| SR\_2\_WNDLAX | static | S3SRAL | L2 LAN | N | Wind tables for wind speed values from Abdala, 2007. The format is identical for LRM and SAR modes. |
| SR\_2\_WNDSAX | static | S3SRAL | L2 LAN | N | Wind tables for wind speed values from Abdala, 2007. The format is identical for LRM and SAR modes. |
| SR\_2\_SIGLAX | static | S3SRAL | L2 LAN | N | Expected Ku-band sigma0 tables. The format is identical for LRM and SAR modes. |
| SR\_2\_SIGSAX | static | S3SRAL | L2 LAN | N | Expected Ku-band sigma0 tables. The format is identical for LRM and SAR modes. |
| SR\_2\_SET\_AX | static | S3SRAL | L2 LAN | N | Cartwright and Edden tide potential amplitudes for the solid earth tide and the equilibrium long period ocean tide height calculation |
| SR\_2\_SSM\_AX | static | S3SRAL | L2 LAN | N | Surface slopes model in both directions |
| SR\_2\_MSMGAX | static | S3SRAL | L2 LAN | N | Map of the slopes of the MSS/geoid with respect to the ellipsoid |
| SR\_2\_CP00AX | static | S3SRAL | L2 LAN | N | Climatological pressure grids (4 files) with climatological sea-level pressure on a cartesian grid, for each of the twelve months of the year |
| SR\_2\_CP06AX | static | S3SRAL | L2 LAN | N | Climatological pressure grids (4 files) with climatological sea-level pressure on a cartesian grid, for each of the twelve months of the year |
| SR\_2\_CP12AX | static | S3SRAL | L2 LAN | N | Climatological pressure grids (4 files) with climatological sea-level pressure on a cartesian grid, for each of the twelve months of the year |
| SR\_2\_CP18AX | static | S3SRAL | L2 LAN | N | Climatological pressure grids (4 files) with climatological sea-level pressure on a cartesian grid, for each of the twelve months of the year |
| SR\_2\_S1AMAX | static | S3SRAL | L2 LAN | N | S1 tide grids of monthly means of global amplitude |
| SR\_2\_S2AMAX | static | S3SRAL | L2 LAN | N | S2 tide grids of monthly means of global amplitude |
| SR\_2\_S1PHAX | static | S3SRAL | L2 LAN | N | S1 tide grids of monthly means of global phase |
| SR\_2\_S2PHAX | static | S3SRAL | L2 LAN | N | S2 tide grids of monthly means of global phase |
| SR\_2\_MDT\_AX | static | S3SRAL | L2 LAN | N | Mean Dynamic Topography and variance values. The model used is CNES-CLS-09. |
| SR\_2\_SHD\_AX | static | S3SRAL | L2 LAN | N | Distance to shore on a grid in a netCDF file with a 1/16º resolution |
| SR\_2\_SSBLAX | static | S3SRAL | L2 LAN | Y | SSB corrections for LRM mode, with values of the Sea State Bias for Ku and C bands. The format is identical for both LRM and SAR modes. |
| SR\_2\_SSBSAX | static | S3SRAL | L2 LAN | Y | SSB corrections for SAR mode, with values of the Sea State Bias for Ku and C bands. The format is identical for both LRM and SAR modes. |
| SR\_2\_SDMMAX | static | S3SRAL | L2 LAN | N | Snow depth climatology from the National Snow and Ice Data Centre (NSIDC), processed by UCL for the period Jan 1994 to Dec 2002, to create 12 files containing gridded snow depth, one for each calendar month MM=01,…,12 |
| SR\_2\_SIMMAX | static | S3SRAL | L2 LAN | N | Sea Ice concentration climatology derived from SSM/I daily brightness temperatures. One file per month (MM=01,…,12) from the median concentration over 1994 - 2002. |
| SR\_2\_SIC\_AX | dynamic | S3SRAL | L2 LAN | N | daily Sea Ice concentration from UCL/MSSL |
| SR\_2\_SST\_AX | static | S3SRAL | L2 LAN | N | Seasonal SST grids covering -60º to +60º latitude and 0º to 358º longitude, with 2º resolution. |
| SR\_2\_LRC\_AX | static | S3SRAL | L2 LAN | N | Lapse rate climatology table over -60º to +60º in latitude and 0º to 360º in longitude, with 1º resolution. The Gama parameter (unit is K/km) is computed through a linear fit of the temperature decrease rate with altitude (between surface and 800 mbar level) from 3D ECMWF fields. |
| SR\_2\_SFL\_AX | static | S3SRAL | L2 LAN | N | Seasonal freezing level table over -70º to +70º in latitude, with 2.5º of resolution and 0º to 360º in longitude, with 5º of resolution. The freezing level parameter is computed from monthly tables provided by IFREMER (Tournadre). |
| SR\_2\_FLT\_AX | static | S3SRAL | L2 LAN | N | freezing level table |
| SR\_2\_RRC\_AX | static | S3SRAL | L2 LAN | N | rain rate correction table provided by IFREMER (Tournadre) |
| SR\_2\_CCT\_AX | static | S3SRAL | L2 LAN | Y | coastal configuration type file, in netCDF, giving information about the geographical situation of given point, taking into account the surrounding area |
| SR\_2\_SURFAX | static | S3SRAL | L2 LAN | N | surface classification mask from combination of GlobCover and MODIS data giving classification among 7 different classes |
| SR\_\_\_POEPAX | dynamic | S3SRAL | L1 CAL/SRA+L2 LAN | Y | NTC precise orbit ephemerides (POE) |
| SR\_\_\_POESAX | dynamic | S3SRAL | L1 CAL/SRA+L2 LAN | Y | NTC precise orbit from SALP |
| SR\_\_\_CHDNAX | static | S3SRAL | L1 CAL/SRA+L2 LAN | Y | instrumental characterisation (nominal path) including platform data used to reference altimeter range to the platform COG and to provide mispointing angle |
| SR\_\_\_CHDRAX | static | S3SRAL | L1 CAL/SRA+L2 LAN | Y | instrumental characterisation (redundant path) including platform data used to reference altimeter range to the platform COG and to provide mispointing angle |
| SR\_1\_CA1LAX | dynamic | S3SRAL | L1 CAL/SRA | Y | CAL1 LRM Long Term Monitoring parameters from internal calibration |
| SR\_1\_CA1SAX | dynamic | S3SRAL | L1 CAL/SRA | Y | CAL1 SAR Long Term Monitoring parameters from internal calibration |
| SR\_1\_CA2KAX | dynamic | S3SRAL | L1 CAL/SRA | Y | CAL2 Ku-band Long Term Monitoring parameters from internal calibration |
| SR\_1\_CA2CAX | dynamic | S3SRAL | L1 CAL/SRA | Y | CAL2 C-band Long Term Monitoring parameters from internal calibration |
| SR\_1\_CONCAX | static | S3SRAL | L1 CAL/SRA | Y | configuration parameters for CAL modes |
| SR\_1\_CONMAX | static | S3SRAL | L1 CAL/SRA | Y | configuration parameters for L1 measurement modes |
| SR\_2\_PCPPAX | dynamic | S3SRAL | L1 CAL/SRA+L2 LAN | Y | precise platform navigation and attitude data |
| SR\_2\_MAG\_AX | static | S3SRAL | L2 LAN | N | meteo gaussian grid |
| SR\_2\_IC01AX | static | S3SRAL | L2 LAN | Y | instrumental corrections |
| SR\_2\_IC02AX | static | S3SRAL | L2 LAN | Y | instrumental corrections |
| SR\_2\_IC03AX | static | S3SRAL | L2 LAN | Y | instrumental corrections |
| SR\_2\_IC04AX | static | S3SRAL | L2 LAN | Y | instrumental corrections |
| SR\_2\_IC05AX | static | S3SRAL | L2 LAN | Y | instrumental corrections |
| SR\_2\_IC06AX | static | S3SRAL | L2 LAN | Y | instrumental corrections |
| SR\_2\_IC07AX | static | S3SRAL | L2 LAN | Y | instrumental corrections |
| SR\_2\_IC08AX | static | S3SRAL | L2 LAN | Y | instrumental corrections |
| SR\_2\_IC09AX | static | S3SRAL | L2 LAN | Y | instrumental corrections |
| SR\_2\_IC10AX | static | S3SRAL | L2 LAN | Y | instrumental corrections |
| SR\_2\_RET\_AX | static | S3SRAL | L2 LAN | N | default stack weights |
| SR\_2\_LUTFAX | static | S3SRAL | L2 LAN | N | Look-up Table for the f0 function in SAMOSA retracker |
| SR\_2\_LUTEAX | static | S3SRAL | L2 LAN | N | Look-up Table for the epoch parameter in SAMOSA retracker |
| SR\_2\_LUTSAX | static | S3SRAL | L2 LAN | N | Look-up Table for the SWH parameter in SAMOSA retracker |
| SR\_2\_MLM\_AX | static | S3SRAL | L2 LAN | N | Land and Ocean masks |
| MW\_1\_SLC\_AX | static | S3MWR | L1 CAL/MWR | Y | side lobe corrections |
| MW\_\_\_CHDNAX | static | S3MWR | L1 CAL/MWR | Y | instrumental characterisation and calibration data (nominal path) |
| MW\_\_\_CHDRAX | static | S3MWR | L1 CAL/MWR | Y | instrumental characterisation and calibration data (redundant path) |
| MW\_\_\_STD\_AX | static | S3MWR | L1 CAL/MWR | Y | satellite temperature data |
| MW\_1\_NIR\_AX | dynamic | S3MWR | L1 CAL/MWR | Y | internal calibration and long term monitoring parameters for NIR calibration mode |
| MW\_1\_DNB\_AX | dynamic | S3MWR | L1 CAL/MWR | Y | internal calibration and long term monitoring parameters for Dicke non-balanced calibration mode |
| MW\_1\_MON\_AX | dynamic | S3MWR | L1 CAL/MWR | Y | internal calibration and long term monitoring parameters |