





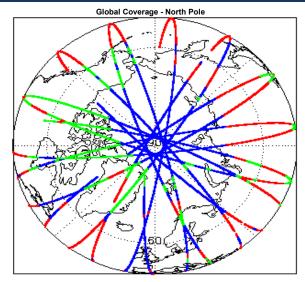
1. Overview

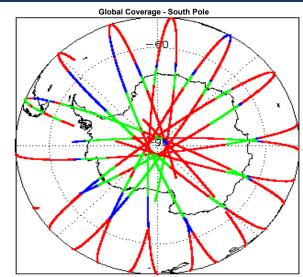
| Report Production Date: | 23-May-2016 |
|-------------------------|-------------------------|
| Processor Used: | CryoSat Ice Processor |
| Data Used: | L1B and L2 OFFLINE Data |

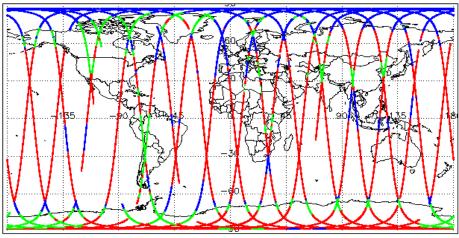
| Check | Status |
|--|-------------------------|
| Server check: science-pds.cryosat.esa.int | Nominal |
| Server check: calval-pds.cryosat.esa.int | Nominal |
| Product Software Check | Nominal |
| Product Format Check | Nominal |
| Product Header Analysis | See Section 4.2 |
| Star Tracker Usage Check | Nominal |
| L1B Calibration Usage Check | Nominal |
| L1B & L2 Auxiliary Data File Usage Check | Nominal |
| L1B & L2 Auxiliary Correction Error Check | Nominal |
| L1B & L2 Measurement Confidence Data Check | See Section 4.7 and 5.5 |

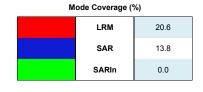
| Mission / Instrument News | |
|---------------------------|-----------------|
| 21-Apr-2016 | None |
| 22-Apr-2016 | None |
| 23-Apr-2016 | Nothing planned |

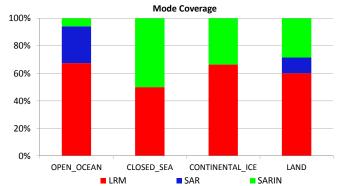
2. Global Coverage

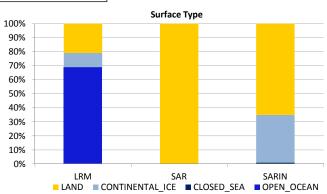












3. Instrument Configuration

The SIRAL instrument configuration for the day of acquisition is provided below.

| SIRAL instrument(s) in use: | SIRAL - A |
|-----------------------------|-----------|
|-----------------------------|-----------|

4. Level 1B Data Quality Check

4.1 L1B Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a product file (.DBL).

Number of products with errors:

4.2 L1B Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

Number of products with errors:

| Product | Test Failed |
|---|---|
| CS_OFFL_SIR_SAR_1B_20160422T095234_20160422T095234_C001 | Percentage of processing errors detected greater than minimum acceptable threshold. |

4.3 Star Tracker Usage Check

Each product is checked in order to ensure a valid star tracker file has been used in processing

Number of products with errors:

4.4 L1B Calibration Usage Check

Each product is checked in order to ensure that the necessary calibration files have been used in processing

Number of products with errors:

4.5 L1B Auxilary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors: 0

4.6 L1B Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag (field 54) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

4.7 L1B Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are several common error flags raised in the Level 1B products which are expected due to operational mode or surface type. All common flags are summarised in the list below, followed by a table of any additional issues arising from this test.

Block Degraded Flag: This flag is currently set for a number of individual records generally at the start or end of products (all modes), but this is to be expected.

Phase Perturbation Flag: This flag is currently set for all L1B SARIn products, indicating that the ADC correction application is deactivated, but this is in line with the current configuration.

Number of products with errors:

5. Level 2 Data Quality Check

5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a product file (.DBL).

Number of products with errors:

5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

CryoSat L2 data includes a correction error flag (field 30) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

5.5 L2 Measurement Quality Flag Check

CryoSat L2 data includes a quality flag (field 50) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set

Currently, there are several common error flags raised in the Level 2 products which are expected due to operational mode or surface type. All common flags are summarised in the list below, followed by a table of any additional issues arising from this test.

Freeboard error: This flag is correctly set in all L2 SAR products that are not discriminated as sea-ice, and for which freeboard cannot be calculated.

Height and Backscatter errors: These flags are currently set for products over land, but this is to be expected. Retracker 1 Height and Backscatter error flags are also set for products over sea-ice, but this is to be expected.

Peakiness error: This flag is currently set for products over sea-ice, but this is to be expected.

SARIn X-Track Angle Error: This flag is set when the difference between the computed surface elevation and the DEM is >50 m. The DEM is only available over Greenland and Antarctica and as a result this flag is set for L2 SARIn products in all other locations as expected.

SSHA interpolation error: This flag is currently set for a number of SAR products occurring at surface type boundaries, but this is to be expected.

Number of products with errors:

| Product | Test Failed | Description |
|--|--|--|
| CS OFFE SIR LRM 2 201604211233657 201604221000608 C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| | (Retracker 3) Backscatter Error | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |

| CS OFFL SIR LRM 2 20160422T013347 20160422T015108 C001 | Height Error (Retracker 2), Height Error | There is a height and backscatter error for Retracker 2 and a height error |
|--|---|---|
| | (Retracker 3), Backscatter Error (Retracker 2) | for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220160422T021335_20160422T022354_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220160422T025618_20160422T032955_C001 | (Retracker 3), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220160422T035500_20160422T035635_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220160422T035819_20160422T042222_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220160422T042422_20160422T042931_C001 | Surface Model Unavailable | No DEM or Slope Model was used for the location of one or more records |
| CS_OFFL_SIR_LRM_220160422T043527_20160422T050939_C001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220160422T053405_20160422T055659_C001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220160422T061535_20160422T063139_C001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220160422T063142_20160422T063706_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220160422T063731_20160422T064447_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220160422T070433_20160422T072242_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220160422T072348_20160422T073729_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220160422T074544_20160422T074743_C001 | Surface Model Unavailable | No DEM or Slope Model was used for the location of one or more records |
| CS_OFFL_SIR_LRM_220160422T075437_20160422T081002_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220160422T081203_20160422T082125_C001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220160422T084856_20160422T090048_C001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220160422T091646_20160422T091811_C001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220160422T091904_20160422T092025_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220160422T092355_20160422T093146_C001 | Surface Model Unavailable | No DEM or Slope Model was used for the location of one or more records |
| CS_OFFL_SIR_LRM_220160422T093355_20160422T094907_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220160422T102706_20160422T105952_C001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220160422T110220_20160422T110432_C001 | Surface Model Unavailable | No DEM or Slope Model was used for the location of one or more records |
| CS_OFFL_SIR_LRM_220160422T110450_20160422T111036_C001 | Surface Model Unavailable | No DEM or Slope Model was used for the location of one or more records |
| CS_OFFL_SIR_LRM_220160422T111327_20160422T113841_C001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220160422T121004_20160422T122128_C001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220160422T122705_20160422T123142_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| | | |
| CS_OFFL_SIR_LRM_220160422T125210_20160422T132110_C001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220160422T125210_20160422T132110_C001 CS_OFFL_SIR_LRM_220160422T134424_20160422T141727_C001 | (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | |
| | (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error |
| CS_OFFL_SIR_LRM_220160422T134424_20160422T141727_C001 | (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220160422T134424_20160422T141727_C001 CS_OFFL_SIR_LRM_220160422T150811_20160422T150941_C001 | (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) | for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220160422T134424_20160422T141727_C001 CS_OFFL_SIR_LRM_220160422T150811_20160422T150941_C001 CS_OFFL_SIR_LRM_220160422T152300_20160422T155646_C001 | (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) | for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more |
| CS_OFFL_SIR_LRM_2_20160422T134424_20160422T141727_C001 CS_OFFL_SIR_LRM_2_20160422T150811_20160422T150941_C001 CS_OFFL_SIR_LRM_2_20160422T152300_20160422T155646_C001 CS_OFFL_SIR_LRM_2_20160422T161008_20160422T163752_C001 | (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 2) Retracker 3), Backscatter Error (Retracker 2) | for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_2_20160422T134424_20160422T141727_C001 CS_OFFL_SIR_LRM_2_20160422T150811_20160422T150941_C001 CS_OFFL_SIR_LRM_2_20160422T152300_20160422T155646_C001 CS_OFFL_SIR_LRM_2_20160422T161008_20160422T163752_C001 CS_OFFL_SIR_LRM_2_20160422T163830_20160422T164000_C001 | (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error | for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error |
| CS_OFFL_SIR_LRM_2_20160422T134424_20160422T141727_C001 CS_OFFL_SIR_LRM_2_20160422T150811_20160422T150941_C001 CS_OFFL_SIR_LRM_2_20160422T152300_20160422T155646_C001 CS_OFFL_SIR_LRM_2_20160422T161008_20160422T163752_C001 CS_OFFL_SIR_LRM_2_20160422T163830_20160422T164000_C001 CS_OFFL_SIR_LRM_2_20160422T164732_20160422T164755_C001 | (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) | for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_2_20160422T134424_20160422T141727_C001 CS_OFFL_SIR_LRM_2_20160422T150811_20160422T150941_C001 CS_OFFL_SIR_LRM_2_20160422T152300_20160422T155646_C001 CS_OFFL_SIR_LRM_2_20160422T161008_20160422T163752_C001 CS_OFFL_SIR_LRM_2_20160422T163830_20160422T164000_C001 CS_OFFL_SIR_LRM_2_20160422T164732_20160422T164755_C001 CS_OFFL_SIR_LRM_2_20160422T170125_20160422T173506_C001 | (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) | for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_2_20160422T134424_20160422T141727_C001 CS_OFFL_SIR_LRM_2_20160422T150811_20160422T150941_C001 CS_OFFL_SIR_LRM_2_20160422T152300_20160422T155646_C001 CS_OFFL_SIR_LRM_2_20160422T161008_20160422T163752_C001 CS_OFFL_SIR_LRM_2_20160422T163830_20160422T164000_C001 CS_OFFL_SIR_LRM_2_20160422T164732_20160422T164755_C001 CS_OFFL_SIR_LRM_2_20160422T170125_20160422T173506_C001 CS_OFFL_SIR_LRM_2_20160422T174010_20160422T174243_C001 | (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2) | for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records No DEM or Slope Model was used for the location of one or more records |
| CS_OFFL_SIR_LRM_2_20160422T134424_20160422T141727_C001 CS_OFFL_SIR_LRM_2_20160422T150811_20160422T150941_C001 CS_OFFL_SIR_LRM_2_20160422T152300_20160422T155646_C001 CS_OFFL_SIR_LRM_2_20160422T161008_20160422T163752_C001 CS_OFFL_SIR_LRM_2_20160422T163830_20160422T164000_C001 CS_OFFL_SIR_LRM_2_20160422T164732_20160422T164755_C001 CS_OFFL_SIR_LRM_2_20160422T170125_20160422T173506_C001 CS_OFFL_SIR_LRM_2_20160422T174010_20160422T174243_C001 CS_OFFL_SIR_LRM_2_20160422T174010_20160422T1742659_C001 | (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Surface Model Unavailable Height Error (Retracker 2), Backscatter | for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_2_20160422T134424_20160422T141727_C001 CS_OFFL_SIR_LRM_2_20160422T150811_20160422T150941_C001 CS_OFFL_SIR_LRM_2_20160422T152300_20160422T155646_C001 CS_OFFL_SIR_LRM_2_20160422T161008_20160422T163752_C001 CS_OFFL_SIR_LRM_2_20160422T163830_20160422T164000_C001 CS_OFFL_SIR_LRM_2_20160422T164732_20160422T164755_C001 CS_OFFL_SIR_LRM_2_20160422T170125_20160422T173506_C001 CS_OFFL_SIR_LRM_2_20160422T174010_20160422T174243_C001 CS_OFFL_SIR_LRM_2_20160422T174259_20160422T174659_C001 CS_OFFL_SIR_LRM_2_20160422T174259_20160422T174659_C001 CS_OFFL_SIR_LRM_2_20160422T174931_20160422T181749_C001 | (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2) | for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_2_20160422T134424_20160422T141727_C001 CS_OFFL_SIR_LRM_2_20160422T150811_20160422T150941_C001 CS_OFFL_SIR_LRM_2_20160422T152300_20160422T155646_C001 CS_OFFL_SIR_LRM_2_20160422T161008_20160422T163752_C001 CS_OFFL_SIR_LRM_2_20160422T163830_20160422T164000_C001 CS_OFFL_SIR_LRM_2_20160422T164732_20160422T164755_C001 CS_OFFL_SIR_LRM_2_20160422T170125_20160422T173506_C001 CS_OFFL_SIR_LRM_2_20160422T174010_20160422T174243_C001 CS_OFFL_SIR_LRM_2_20160422T174010_20160422T174659_C001 CS_OFFL_SIR_LRM_2_20160422T174931_20160422T181749_C001 CS_OFFL_SIR_LRM_2_20160422T174931_20160422T181749_C001 CS_OFFL_SIR_LRM_2_20160422T174931_20160422T182517_C001 | (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3) Height Error (Retracker 2), Backscatter Error (Retracker 2) Surface Model Unavailable Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2) | for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_2_20160422T134424_20160422T141727_C001 CS_OFFL_SIR_LRM_2_20160422T150811_20160422T150941_C001 CS_OFFL_SIR_LRM_2_20160422T152300_20160422T155646_C001 CS_OFFL_SIR_LRM_2_20160422T161008_20160422T163752_C001 CS_OFFL_SIR_LRM_2_20160422T163830_20160422T164000_C001 CS_OFFL_SIR_LRM_2_20160422T164732_20160422T164755_C001 CS_OFFL_SIR_LRM_2_20160422T170125_20160422T173506_C001 CS_OFFL_SIR_LRM_2_20160422T174010_20160422T174243_C001 CS_OFFL_SIR_LRM_2_20160422T174259_20160422T174659_C001 CS_OFFL_SIR_LRM_2_20160422T174931_20160422T181749_C001 CS_OFFL_SIR_LRM_2_20160422T181805_20160422T182517_C001 CS_OFFL_SIR_LRM_2_20160422T181805_20160422T185218_C001 | (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) | for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_2_20160422T134424_20160422T141727_C001 CS_OFFL_SIR_LRM_2_20160422T150811_20160422T150941_C001 CS_OFFL_SIR_LRM_2_20160422T152300_20160422T155646_C001 CS_OFFL_SIR_LRM_2_20160422T161008_20160422T163752_C001 CS_OFFL_SIR_LRM_2_20160422T163830_20160422T164000_C001 CS_OFFL_SIR_LRM_2_20160422T164732_20160422T164755_C001 CS_OFFL_SIR_LRM_2_20160422T170125_20160422T173506_C001 CS_OFFL_SIR_LRM_2_20160422T174010_20160422T174243_C001 CS_OFFL_SIR_LRM_2_20160422T174259_20160422T174659_C001 CS_OFFL_SIR_LRM_2_20160422T174931_20160422T181749_C001 CS_OFFL_SIR_LRM_2_20160422T181805_20160422T185218_C001 CS_OFFL_SIR_LRM_2_20160422T184204_20160422T185218_C001 CS_OFFL_SIR_LRM_2_20160422T184204_20160422T185248_C001 | (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) | for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records |

| 22 0551 015 1514 0 00400405500455 00400405500000 0004 | Height Error (Retracker 2), Backscatter | There is a height and backscatter error for Retracker 2 for one or more |
|--|--|--|
| CS_OFFL_SIR_LRM_220160422T200155_20160422T200329_C001 | Error (Retracker 2) Height Error (Retracker 2), Height Error | records |
| CS_OFFL_SIR_LRM_220160422T202649_20160422T203622_C001 | (Retracker 3), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220160422T203858_20160422T205339_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220160422T212840_20160422T213106_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220160422T213229_20160422T213618_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220160422T213635_20160422T213940_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220160422T221555_20160422T223236_C001 | (Retracker 3), Backscatter Error | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220160422T224030_20160422T224208_C001 | Surface Model Unavailable | No DEM or Slope Model was used for the location of one or more records |
| CS_OFFL_SIR_LRM_220160422T234630_20160423T001212_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_SIN_220160422T010328_20160422T010500_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220160422T011339_20160422T011512_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220160422T024346_20160422T024459_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220160422T025037_20160422T025157_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220160422T025238_20160422T025353_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220160422T034146_20160422T034208_C001 | SARIn X-track Angle Error, Surface Model Unavailable | An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records |
| CS_OFFL_SIR_SIN_220160422T034221_20160422T034240_C001 | SARIn X-track Angle Error, Surface Model Unavailable | An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records |
| CS_OFFL_SIR_SIN_220160422T042258_20160422T042422_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_2_20160422T042931_20160422T043239_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220160422T060342_20160422T060629_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220160422T060834_20160422T061400_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220160422T065924_20160422T070351_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220160422T074743_20160422T074857_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220160422T075245_20160422T075425_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220160422T083824_20160422T083934_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220160422T084054_20160422T084254_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more |
| CS_OFFL_SIR_SIN_220160422T093146_20160422T093333_C001 | SARIn X-track Angle Error SARIn X-track Angle Error, Surface | records An ambiguous angle was detected for SARIn mode and no DEM or Slope |
| CS_OFFL_SIR_SIN_220160422T101743_20160422T102008_C001 | Model Unavailable SARIn X-track Angle Error, Surface | Model was used for one or more records An ambiguous angle was detected for SARIn mode and no DEM or Slope |
| CS_OFFL_SIR_SIN_220160422T102012_20160422T102232_C001 | Model Unavailable | Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more |
| CS_OFFL_SIR_SIN_220160422T110031_20160422T110220_C001 | SARIn X-track Angle Error | records An ambiguous angle was detected for SARIn mode for one or more |
| CS_OFFL_SIR_SIN_220160422T110433_20160422T110450_C001 | SARIn X-track Angle Error | records An ambiguous angle was detected for SARIn mode for one or more |
| CS_OFFL_SIR_SIN_2_20160422T111037_20160422T111258_C001 | SARIn X-track Angle Error SARIn X-track Angle Error, Surface | records An ambiguous angle was detected for SARIn mode and no DEM or Slope |
| CS_OFFL_SIR_SIN_220160422T115119_20160422T115135_C001 | Model Unavailable SARIn X-track Angle Error, Surface | Model was used for one or more records An ambiguous angle was detected for SARIn mode and no DEM or Slope |
| CS_OFFL_SIR_SIN_2_20160422T115233_20160422T115306_C001 | Model Unavailable | Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more |
| CS_OFFL_SIR_SIN_2_20160422T124003_20160422T124143_C001 | SARIn X-track Angle Error | records An ambiguous angle was detected for SARIn mode for one or more |
| CS_OFFL_SIR_SIN_2_20160422T124257_20160422T124430_C001 | SARIn X-track Angle Error | records An ambiguous angle was detected for SARIn mode for one or more |
| CS_OFFL_SIR_SIN_2_20160422T124857_20160422T125143_C001 | SARIn X-track Angle Error | records An ambiguous angle was detected for SARIn mode for one or more |
| CS_OFFL_SIR_SIN_220160422T142003_20160422T142340_C001 CS_OFFL_SIR_SIN_220160422T142917_20160422T143031_C001 | SARIn X-track Angle Error SARIn X-track Angle Error | records An ambiguous angle was detected for SARIn mode for one or more |
| CS_OFFL_SIR_SIN_2_20160422T151029_20160422T151058_C001 | SARIn X-track Angle Error, Surface | records An ambiguous angle was detected for SARIn mode and no DEM or Slope |
| CS_OFFL_SIR_SIN_2_20160422T155025_20160422T160243_C001 | Model Unavailable SARIn X-track Angle Error | Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more |
| CS_OFFL_SIR_SIN_2_20160422T160756_20160422T160920_C001 | SARIN X-track Angle Error | records An ambiguous angle was detected for SARIn mode for one or more |
| CS OFFL SIR SIN 2 20160422T165009 20160422T165118 C001 | SARIn X-track Angle Error | records An ambiguous angle was detected for SARIn mode for one or more |
| CS_OFFL_SIR_SIN_2_20160422T174700_20160422T174807_C001 | SARIn X-track Angle Error | records An ambiguous angle was detected for SARIn mode for one or more |
| CS_OFFL_SIR_SIN_2_20160422T182921_20160422T183033_C001 | SARIn X-track Angle Error | records An ambiguous angle was detected for SARIn mode for one or more |
| CS_OFFL_SIR_SIN_220160422T205402_20160422T205547_C001 | SARIn X-track Angle Error | records An ambiguous angle was detected for SARIn mode for one or more |
| CS_OFFL_SIR_SIN_2_20160422T210110_20160422T210116_C001 | SARIn X-track Angle Error | records An ambiguous angle was detected for SARIn mode for one or more |
| CS_OFFL_SIR_SIN_2_20160422T210232_20160422T210837_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more |
| CS_OFFL_SIR_SIN_2_20160422T214410_20160422T214830_C001 | SARIn X-track Angle Error, Surface | records An ambiguous angle was detected for SARIn mode and no DEM or Slope |
| CS_OFFL_SIR_SIN_220160422T223307_20160422T223543_C001 | Model Unavailable SARIn X-track Angle Error | Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more |
| CS_OFFL_SIR_SIN_2_20160422T224009_20160422T224015_C001 | SARIn X-track Angle Error | records An ambiguous angle was detected for SARIn mode for one or more |
| CS_OFFL_SIR_SIN_220160422T224208_20160422T224517_C001 | SARIn X-track Angle Error | records An ambiguous angle was detected for SARIn mode for one or more |
| | | records |