



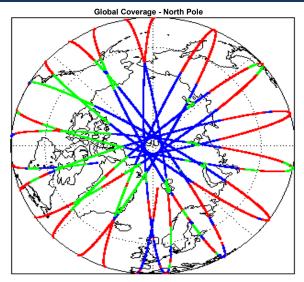
# 1. Overview

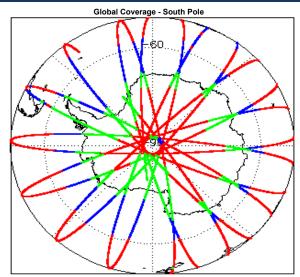
| Report Production Date: | 08-Sep-2016             |  |
|-------------------------|-------------------------|--|
| Processor Used:         | CryoSat Ice Processor   |  |
| Data Used:              | L1B and L2 OFFLINE Data |  |

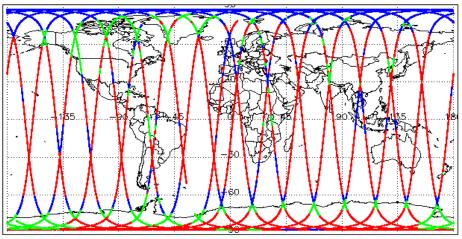
|  | -                       |
|--|-------------------------|
| Check                                      | Status                  |
| Server check: science-pds.cryosat.esa.int  | Nominal                 |
| Server check: calval-pds.cryosat.esa.int   | Nominal                 |
| Product Software Check                     | Nominal                 |
| Product Format Check                       | Nominal                 |
| Product Header Analysis                    | See Section 4.2 and 5.2 |
| 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 |

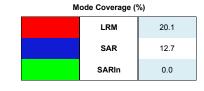
| ı | Mission / Instrument News |                 |  |
|---|---------------------------|-----------------|--|
|   | 30-Jul-2016               | None            |  |
|   | 31-Jul-2016               | None            |  |
|   | 01-Aug-2016               | Nothing planned |  |

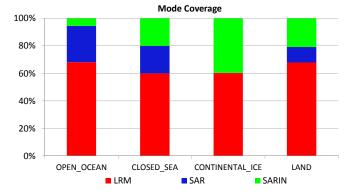
# 2. Global Coverage

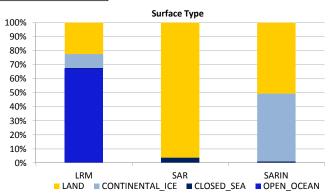












# 3. Instrument Configuration

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

| SIRAL - A |
|-----------|
| SIRAL     |

# 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_20160731T231051_20160731T231053_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:

0

### 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:

#### 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:

| Product   | Test Failed | Description  |
|---|-------------|--|
| CS_OFFL_SIR_LRM_1B_20160731T025148_20160731T030208_C001 |             | The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo |
| CS_OFFL_SIR_LRM_1B_20160731T050705_20160731T051229_C001 |             | The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo |
| CS_OFFL_SIR_LRM_1B_20160731T163528_20160731T163952_C001 |             | The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo |

#### 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:

| Product   | Test Failed   |
|---|---|
| CS_OFFL_SIR_SAR_220160731T231051_20160731T231053_C001 | Percentage of processing errors detected greater than minimum acceptable threshold. |

#### 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.

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: 115

| Product  | Test Failed Height Error (Retracker 2), Backscatter   | Description   There is a height and backscatter error for Retracker 2 for one or more                              |
|--|---|--|
| CS_OFFL_SIR_LRM_220160731T000109_20160731T000348_C001  | Error (Retracker 2)   | records  |
| CS_OFFL_SIR_LRM_220160731T001056_20160731T001240_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_2_20160731T001316_20160731T002617_C001 | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220160731T002744_20160731T003834_C001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220160731T005538_20160731T013146_C001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220160731T014337_20160731T020319_C001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220160731T020323_20160731T021557_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_220160731T022525_20160731T022720_C001  | Surface Model Unavailable   | No DEM or Slope Model was used for the location of one or more records   |
| CS_OFFL_SIR_LRM_220160731T023452_20160731T024945_C001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220160731T025148_20160731T030208_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_220160731T032400_20160731T034024_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_220160731T035651_20160731T035746_C001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220160731T040356_20160731T040640_C001  | Surface Model Unavailable   | No DEM or Slope Model was used for the location of one or more records   |
| CS_OFFL_SIR_LRM_220160731T042950_20160731T043233_C001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220160731T050705_20160731T051229_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_220160731T051513_20160731T051755_C001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220160731T051759_20160731T053820_C001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220160731T054152_20160731T055031_C001  | Surface Model Unavailable   | No DEM or Slope Model was used for the location of one or more records   |
| CS_OFFL_SIR_LRM_220160731T055350_20160731T061758_C001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220160731T062803_20160731T062843_C001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220160731T065040_20160731T070620_C001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220160731T070634_20160731T071723_C001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220160731T073309_20160731T075750_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_220160731T080223_20160731T081030_C001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 and no Surface Model available for one or more records     |
| CS_OFFL_SIR_LRM_220160731T082503_20160731T084019_C001  | Height Error (Retracker 2), Height Error<br>(Retracker 3), Backscatter Error<br>(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_220160731T084552_20160731T085539_C001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220160731T092108_20160731T092401_C001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220160731T094808_20160731T094939_C001  | Height Error (Retracker 2), Height Error<br>(Retracker 3), Backscatter Error<br>(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_220160731T100156_20160731T103515_C001  | Height Error (Retracker 2), Height Error<br>(Retracker 3), Backscatter Error<br>(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_220160731T105247_20160731T111755_C001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220160731T111949_20160731T112100_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_220160731T112707_20160731T112847_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_220160731T113904_20160731T115030_C001  | Height Error (Retracker 2), Height Error<br>(Retracker 3), Backscatter Error<br>(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_220160731T115210_20160731T120909_C001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220160731T120920_20160731T121420_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_220160731T123136_20160731T130525_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_2_20160731T131755_20160731T134652_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_220160731T134656_20160731T135336_C001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220160731T141229_20160731T142454_C001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220160731T142604_20160731T144252_C001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220160731T150436_20160731T151551_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_220160731T151755_20160731T153229_C001  | Height Error (Retracker 2), Height Error<br>(Retracker 3), Backscatter Error<br>(Retracker 2) | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |

| SO OFFL SIR LRM 2_20160731T154924_20160731T16916_C001  GS_OFFL_SIR_LRM 2_20160731T165745_20160731T16916_C001  GS_OFFL_SIR_LRM 2_20160731T165745_20160731T16916_C001  GS_OFFL_SIR_LRM 2_20160731T165745_20160731T171220_C001  GS_OFFL_SIR_LRM 2_20160731T172011_20160731T171212_C001  GS_OFFL_SIR_LRM 2_20160731T172011_20160731T172126_C001  GS_OFFL_SIR_LRM 2_20160731T172011_20160731T172126_C001  GS_OFFL_SIR_LRM 2_20160731T172011_20160731T172126_C001  GS_OFFL_SIR_LRM 2_20160731T172011_20160731T172126_C001  GS_OFFL_SIR_LRM 2_20160731T172011_20160731T175216_C001  GS_OFFL_SIR_LRM 2_20160731T172011_20160731T175216_C001  GS_OFFL_SIR_LRM 2_20160731T17602_20160731T17521_C001  GS_OFFL_SIR_LRM 2_20160731T17602_20160731T17521_C001  GS_OFFL_SIR_LRM 2_20160731T1760202_C00160731T1760202_C001  GS_OFFL_SIR_LRM 2_20160731T160020_20160731T190235_C001  GS_OFFL_SIR_LRM 2_20160731T102032_20160731T190235_C001  GS_OFFL_SIR_LRM 2_20160731T102030_20160731T20001  GS_OFFL_SIR_LRM 2_20160731T102030_20160731T20001  GS_OFFL_SIR_LRM 2_20160731T102032_20160731T20001  GS_OFFL_SIR_LRM 2_20160731T200051_20160731T20001  GS_OFFL_SIR_LRM 2_20160731T200052_20160731T20001  GS_OFFL_SIR_LRM 2_20160731T200054_20160731T20001  GS_OFFL_SIR_LRM 2_20160731T200054_20160731T200001  GS_OFFL_SIR_LRM 2_20160731T200054_20160731T200001  GS_OFFL_SIR_LRM 2_20160731T200054_20160731T200001  GS_OFFL_SIR_LRM 2_20160731T200054_20160731T200001  GS_OFFL_SIR_LRM 2_20160731T200054_20160731T200001  GS_OFFL_SIR_LRM 2_20160731T200054_20160731T2000001  GS_OFFL_SIR_LRM 2_20160731T200054_20160731T2000000000000000000000000000000000000  |
|--|
| CRETERINE LEM 2 20160731T160123 C001 (Retracker 3). Backscatter Error (Retracker 2) Height Error (Retracker 2). Backscatter Error (R |
| Error (Retracker 2)  Surface Model Unavailable  Height Error (Retracker 2)  Error (Retracker  |
| Error (Retracker 2)  Surface Model Unavailable  Firor (Retracker 2)  Surface Model Unavailable  Height Error (Retracker 2)  Backscatter  Bror  |
| Height Error (Retracker 2), Backscatter error for Retracker 2 for one or more records  CS_OFFL_SIR_LRM_2_20160731T174907_20160731T185021_C001  CS_OFFL_SIR_LRM_2_20160731T182024_20160731T185021_C001  CS_OFFL_SIR_LRM_2_20160731T182036_20160731T193228_C001  CS_OFFL_SIR_LRM_2_20160731T192236_20160731T193228_C001  CS_OFFL_SIR_LRM_2_20160731T192236_20160731T193228_C001  CS_OFFL_SIR_LRM_2_20160731T200514_20160731T203011_C001  CS_OFFL_SIR_LRM_2_20160731T200514_20160731T200511_C001  CS_OFFL_SIR_LRM_2_20160731T203011_C001  CS_OFFL_SIR_LRM_2_20160731T20307_20160731T200511_C001  CS_OFFL_SIR_LRM_2_20160731T20307_20160731T200511_C001  CS_OFFL_SIR_LRM_2_20160731T20307_20160731T200511_C001  CS_OFFL_SIR_LRM_2_20160731T20307_20160731T203001_C001  CS_OFFL_SIR_LRM_2_20160731T203007_20160731T203001_C001  CS_OFFL_SIR_LRM_2_20160731T203001_C001  CS_OFFL_SIR_LRM_2_20160731T20001_C001  CS_OFFL_SIR_LRM_2_20160731T20001_C001  CS_OFFL_SIR_LRM_2_20160731T20001_C001  CS_OFFL_SIR_LRM_2_20160731T20001_C001  CS_OFFL_SIR_LRM_2_20160731T00010000000000000000000000000000000  |
| CS_OFFL_SIR_LRM_2_201607311714907_2016073117165251_C001  CS_OFFL_SIR_LRM_2_2016073117186021_C001  CS_OFFL_SIR_LRM_2_2016073117186021_C001  CS_OFFL_SIR_LRM_2_2016073117186021_C001  CS_OFFL_SIR_LRM_2_2016073117182236_2016073117192236_C001  CS_OFFL_SIR_LRM_2_201607311720031_C001  CS_OFFL_SIR_LRM_2_201607311720031_C001  CS_OFFL_SIR_LRM_2_201607317200311_C001  CS_OFFL_SIR_LRM_2_201607317200311_C001  CS_OFFL_SIR_LRM_2_201607317200311_C001  CS_OFFL_SIR_LRM_2_201607317200311_C001  CS_OFFL_SIR_LRM_2_201607317200311_C001  CS_OFFL_SIR_LRM_2_201607317200311_C001  CS_OFFL_SIR_LRM_2_201607317203011_C001  CS_OFFL_SIR_LRM_2_201607317203011_C001  CS_OFFL_SIR_LRM_2_201607317203011_C001  CS_OFFL_SIR_LRM_2_201607317203011_C001  CS_OFFL_SIR_LRM_2_201607317203011_C001  CS_OFFL_SIR_LRM_2_201607317213130_201607317213511_C001  CS_OFFL_SIR_LRM_2_20160731722358_201607317224632_C001  CS_OFFL_SIR_LRM_2_20160731722358_201607317230042_C001  CS_OFFL_SIR_LRM_2_20160731723032_01607317230042_C001  CS_OFFL_SIR_LRM_2_201607317232151_201607317230042_C001  CS_OFFL_SIR_LRM_2_20160731723258_201607317235728_C001  CS_OFFL_SIR_LRM_2_20160731723258_201607317235728_C001  CS_OFFL_SIR_LRM_2_201607317232512_001607317235728_C001  CS_OFFL_SIR_LRM_2_201607317232512_001607317235728_C001  CS_OFFL_SIR_LRM_2_201607317232512_001607317235728_C001  CS_OFFL_SIR_LRM_2_201607317235728_C001  CS_OFFL_SIR_LRM_2_20160731723512_201607317235728_C001  CS_OFFL_SIR_SIR_2_201607317004240_201607317004544_C001  CS_OFFL_SIR_SIR_2_201607317004240_201607317004544_C001  CS_OFFL_SIR_SIR_2_201607317004240_201607317004544_C001  CS_OFFL_SIR_SIR_2_201607317004240_201607317004546_C001  CS_OFFL_SIR_SIR_2_201607317004540_201607317004546_C001  CS_OFFL_SIR_SIR_2_201607317004540_201607317004546_C001  CS_OFFL_SIR_SIR_2_201607317004540_201607317004546_C001  CS_OFFL_SIR_SIR_2_201607317004540_201607317004546_C001  CS_OFFL_SIR_SIR_2_201607317004540_201607317004546_C001  CS_OFFL_SIR_SIR_2_201607317004540_201607317004546_C001  CS_OFFL_SIR_SIR_2_201607317004540_201607317004546_C001  CS_OFFL_SIR_SIR_2_20160 |
| S_OFFL_SIR_LRM_2_20160731T182624_20160731T195251_C001  S_OFFL_SIR_LRM_2_20160731T192362_20160731T199235_C001  S_OFFL_SIR_LRM_2_20160731T192362_20160731T199235_C001  S_OFFL_SIR_LRM_2_20160731T192236_20160731T193228_0001  S_OFFL_SIR_LRM_2_20160731T19236_20160731T193228_0001  S_OFFL_SIR_LRM_2_20160731T203011_C0001  S_OFFL_SIR_LRM_2_20160731T20307_20160731T203011_C001  S_OFFL_SIR_LRM_2_20160731T20307_20160731T204137_C001  S_OFFL_SIR_LRM_2_20160731T210116_20160731T211935_C001  S_OFFL_SIR_LRM_2_20160731T210116_20160731T211935_C001  S_OFFL_SIR_LRM_2_20160731T213139_20160731T213511_C001  S_OFFL_SIR_LRM_2_20160731T224018_20160731T230042_C001  S_OFFL_SIR_LRM_2_20160731T224018_20160731T230042_C001  S_OFFL_SIR_LRM_2_20160731T23053_20160731T230042_C001  S_OFFL_SIR_LRM_2_20160731T23151_20160731T231354_C001  S_OFFL_SIR_LRM_2_20160731T231512_20160731T231720001  S_OFFL_SIR_LRM_2_20160731T231512_20160731T231720001  S_OFFL_SIR_LRM_2_20160731T231512_20160731T237720_C001  S_OFFL_SIR_LRM_2_20160731T231512_20160731T237720_C001  S_OFFL_SIR_LRM_2_20160731T231512_20160731T237720_C001  S_OFFL_SIR_LRM_2_20160731T231512_20160731T237720_C001  S_OFFL_SIR_LRM_2_20160731T231512_20160731T237720_C001  S_OFFL_SIR_LRM_2_20160731T231512_20160731T237720_C001  S_OFFL_SIR_LRM_2_20160731T231512_20160731T237720_C001  S_OFFL_SIR_LRM_2_20160731T230032_20160731T2372720_C001  S_OFFL_SIR_LRM_2_20160731T230032_20160731T237720_C001  S_OFFL_SIR_LRM_2_20160731T230032_20160731T237720_C001  S_OFFL_SIR_SIR_N_2_20160731T004544_C001  S_OFFL_SIR |
| Error (Retracker 2)  CS_OFFL_SIR_LRM_2_20160731T18509_20160731T190235_C001  CS_OFFL_SIR_LRM_2_20160731T192236_20160731T193228_C001  CS_OFFL_SIR_LRM_2_20160731T200514_20160731T203011_C001  CS_OFFL_SIR_LRM_2_20160731T200514_20160731T203011_C001  CS_OFFL_SIR_LRM_2_20160731T200507_20160731T203011_C001  CS_OFFL_SIR_LRM_2_20160731T20116_20160731T20135_C001  CS_OFFL_SIR_LRM_2_20160731T2111935_C001  CS_OFFL_SIR_LRM_2_20160731T213139_20160731T213511_C001  CS_OFFL_SIR_LRM_2_20160731T213139_20160731T224632_C001  CS_OFFL_SIR_LRM_2_20160731T222538_20160731T224632_C001  CS_OFFL_SIR_LRM_2_20160731T224918_20160731T223514_C001  CS_OFFL_SIR_LRM_2_20160731T22353_C001  CS_OFFL_SIR_LRM_2_20160731T22353_C001  CS_OFFL_SIR_LRM_2_20160731T22353_C001  CS_OFFL_SIR_LRM_2_20160731T224532_C001  CS_OFFL_SIR_LRM_2_20160731T224632_C001  CS_OFFL_SIR_LRM_2_20160731T22353_C00731T231354_C001  CS_OFFL_SIR_LRM_2_20160731T235725_C001  CS_OFFL_SIR_LRM_2_20160731T2315522_C001  CS_OFFL_SIR_LRM_2_20160731T235752_C001  CS_OFFL_SIR_LRM_2_20160731T235252_C001  CS_OFFL_SIR_LRM_2_20160731T235252_C001  CS_OFFL_SIR_LRM_2_20160731T235252_C001  CS_OFFL_SIR_LRM_2_20160731T23522_C001  CS_OFFL_SIR_SIR_2_20160731T004544_C001  CS_OFFL_SIR_SIR_2_20160731T004544_C001  CS_OFFL_SIR_SIR_2_20160731T004544_C001  CS_OFFL_SIR_SIR_2_20160731T004544_C001  CS_OFFL_SIR_SIR_2_20160731T004542_C001  CS_OFFL_SIR_SIR_2_20160731T004544_C001  CS_OFFL_SIR_SIR_2_20160731T004544_C001  CS_OFFL_SIR_SIR_2_20160731T004544_C001  CS_OFFL_SIR_SIR_2_20160731T004544_C001  CS_OFFL_SIR_SIR_2_20160731T004544_C001  CS_OFFL_SIR_SIR_2_20160731T004544_C001  CS_OFFL_SIR_SIR_2_20160731T004544_C001  CS_OFFL_SIR_SIR_2_20160731T004544_C001  CS_OFFL_SIR_SIR_2_20160731 |
| Height Error (Retracker 2), Backscatter Error (Retracker 2) and a height error (Retracker 2) theight Error (Retracker 3) to ne or more records (Retracker 3) theight Error (Retracker 2) theight Error (Retracker 3) theight Error (Retracker 2) theight Error |
| Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3) and backscatter error for Retracker 2 and a height error (Retracker 2) and a height error (Retracker 3) and backscatter error for Retracker 2 and a height error (Retracker 3) and backscatter error for Retracker 3 for one or more records  CS_OFFL_SIR_LRM_2_20160731T203807_20160731T204137_C001  CS_OFFL_SIR_LRM_2_20160731T210116_20160731T211935_C001  CS_OFFL_SIR_LRM_2_20160731T213139_20160731T213511_C001  CS_OFFL_SIR_LRM_2_20160731T213139_20160731T213511_C001  CS_OFFL_SIR_LRM_2_20160731T213139_20160731T23511_C001  CS_OFFL_SIR_LRM_2_20160731T222538_20160731T224632_C001  CS_OFFL_SIR_LRM_2_20160731T224918_20160731T230042_C001  CS_OFFL_SIR_LRM_2_20160731T224918_20160731T230042_C001  CS_OFFL_SIR_LRM_2_20160731T23153_20160731T23154_C001  CS_OFFL_SIR_LRM_2_20160731T23155_20160731T23728_C001  CS_OFFL_SIR_LRM_2_20160731T23155_20160731T23728_C001  CS_OFFL_SIR_LRM_2_20160731T23229_20160731T235728_C001  CS_OFFL_SIR_LRM_2_20160731T0351229_20160731T03526_C001  CS_OFFL_SIR_LRM_2_20160731T03424_020160731T03526_C001  CS_OFFL_SIR_SIN_2_20160731T03413_20160731T03526_C001  CS_OFFL_SIR_SIN_2_20160731T03413_20160731T03526_C001  CS_OFFL_SIR_SIN_2_20160731T03413_20160731T03526_C001  CS_OFFL_SIR_SIN_2_20160731T03413_20160731T03526_C001  CS_OFFL_SIR_SIN_2_20160731T03413_20160731T03536_C001  CS_OFFL_SIR_SIN_2_20160731T03413_20160731T03536_C001  CS_OFFL_SIR_SIN_2_20160731T03413_20160731T03536_C001  CS_OFFL_SIR_SIN_2_20160731T03413_20160731T03536_C001  CS_OFFL_SIR_SIN_2_20160731T03413_20160731T03536_C001  CS_OFFL_SIR_SIN_2_20160731T03413_20160731T03536_C001  CS_OFFL_SIR_SIN_2_20160731T03413_20160731T03454_C001  CS_OFFL_SIR_SIN_2_20160731T03413_20160731T03536_C001  CS_OFFL_SIR_SIN_2_20160731T03411_20160731T03454_C001  CS_OFFL_SIR_SIN_2_20160731T03411_20160731T03454_C001  CS_OFFL_SIR_SIN_2_20160731T03411_20160731T03454_C001  CS_OFFL_SIR_SIN_2_20160731T03411_20160731T03454_C001  CS_OFFL_SIR_SIN_2_20160731T03411_20160731T03454_C001  CS_OFFL_SIR_SIN_2_20160731T03411_2016073 |
| CS_OFFL_SIR_LRM_2_20160731T203807_20160731T204137_C001  CS_OFFL_SIR_LRM_2_20160731T20116_20160731T211935_C001  CS_OFFL_SIR_LRM_2_20160731T210116_20160731T211935_C001  CS_OFFL_SIR_LRM_2_20160731T213139_20160731T213511_C001  CS_OFFL_SIR_LRM_2_20160731T213139_20160731T213511_C001  CS_OFFL_SIR_LRM_2_20160731T213139_20160731T213511_C001  CS_OFFL_SIR_LRM_2_20160731T22538_20160731T224632_C001  CS_OFFL_SIR_LRM_2_20160731T222538_20160731T224632_C001  CS_OFFL_SIR_LRM_2_20160731T231053_20160731T234632_C001  CS_OFFL_SIR_LRM_2_20160731T231515_20160731T23454_C001  CS_OFFL_SIR_LRM_2_20160731T232529_20160731T234720_C001  CS_OFFL_SIR_LRM_2_20160731T232151_20160731T234720_C001  CS_OFFL_SIR_LRM_2_20160731T232151_20160731T234720_C001  CS_OFFL_SIR_LRM_2_20160731T232529_20160731T234720_C001  CS_OFFL_SIR_LRM_2_20160731T235229_20160731T235728_C001  CS_OFFL_SIR_SIN_2_20160731T004240_20160731T004544_C001  CS_OFFL_SIR_SIN_2_20160731T004240_20160731T004544_C001  CS_OFFL_SIR_SIN_2_20160731T004240_20160731T004544_C001  CS_OFFL_SIR_SIN_2_20160731T004240_20160731T004544_C001  CS_OFFL_SIR_SIN_2_20160731T004240_20160731T004564_C001  CS_OFFL_SIR_SIN_2_20160731T004240_20160731T004564_C001  CS_OFFL_SIR_SIN_2_20160731T004240_20160731T004564_C001  CS_OFFL_SIR_SIN_2_20160731T004240_20160731T004564_C001  CS_OFFL_SIR_SIN_2_20160731T004240_20160731T004566_C001  CS_OFFL_SIR_SIN_2_20160731T004240 |
| Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Back |
| Error (Retracker 2)  CS_OFFL_SIR_LRM_2_20160731T213139_20160731T213511_C001  CS_OFFL_SIR_LRM_2_20160731T213139_20160731T224632_C001  CS_OFFL_SIR_LRM_2_20160731T222538_20160731T224632_C001  CS_OFFL_SIR_LRM_2_20160731T224918_20160731T230042_C001  CS_OFFL_SIR_LRM_2_20160731T231053_20160731T230042_C001  CS_OFFL_SIR_LRM_2_20160731T231053_20160731T230042_C001  CS_OFFL_SIR_LRM_2_20160731T231053_20160731T231354_C001  CS_OFFL_SIR_LRM_2_20160731T231053_20160731T234720_C001  CS_OFFL_SIR_LRM_2_20160731T232151_20160731T234720_C001  CS_OFFL_SIR_LRM_2_20160731T232151_20160731T235728_C001  CS_OFFL_SIR_LRM_2_20160731T235229_20160731T235728_C001  CS_OFFL_SIR_SIN_2_20160731T004240_20160731T004544_C001  CS_OFFL_SIR_SIN_2_20160731T004813_20160731T004544_C001  CS_OFFL_SIR_SIN_2_20160731T004813_20160731T004544_C001  SARIn X-track Angle Error  CS_OFFL_SIR_SIN_2_20160731T014911_20160731T014906_C001  SARIn X-track Angle Error  CS_OFFL_SIR_SIN_2_20160731T014910_20160731T014906_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 records  An ambiguous angle was detected for SARIn mode for one or more records     |
| CS_OFFL_SIR_LRM_2_20160731T213139_20160731T224632_C001  CS_OFFL_SIR_LRM_2_20160731T222538_20160731T224632_C001  CS_OFFL_SIR_LRM_2_20160731T224918_20160731T230042_C001  CS_OFFL_SIR_LRM_2_20160731T231053_20160731T230042_C001  CS_OFFL_SIR_LRM_2_20160731T231053_20160731T231053_20160731T231053_20160731T231053_20160731T231053_20160731T234720_C001  CS_OFFL_SIR_LRM_2_20160731T232151_20160731T234720_C001  CS_OFFL_SIR_LRM_2_20160731T232151_20160731T235728_C001  CS_OFFL_SIR_LRM_2_20160731T04240_20160731T0456_C001  CS_OFFL_SIR_SIN_2_20160731T04410_20160731T044306_C001  CS_OFFL_SIR_SIN_2_20160731T04401_20160731T044306_C001  CS_OFFL_SIR_SIN_2_20160731T04401_20160731T044306_C001  CS_OFFL_SIR_SIN_2_20160731T04401_20160731T044306_C001  CS_OFFL_SIR_SIN_2_20160731T04401_20160731T04406_C001 |
| CS_OFFL_SIR_LRM_2_20160731T224918_20160731T230042_C001  CS_OFFL_SIR_LRM_2_20160731T231053_20160731T231054_C001  CS_OFFL_SIR_LRM_2_20160731T231053_20160731T23154_C001  CS_OFFL_SIR_LRM_2_20160731T231053_20160731T234720_C001  CS_OFFL_SIR_LRM_2_20160731T232151_20160731T234720_C001  CS_OFFL_SIR_LRM_2_20160731T23229_20160731T234720_C001  CS_OFFL_SIR_LRM_2_20160731T235229_20160731T235728_C001  CS_OFFL_SIR_LRM_2_20160731T004240_20160731T004544_C001  CS_OFFL_SIR_SIN_2_20160731T004240_20160731T005326_C001  CS_OFFL_SIR_SIN_2_20160731T004813_20160731T004544_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160731T013912_20160731T014056_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160731T013912_20160731T014056_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160731T014101_20160731T014306_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160731T014101_20160731T014306_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 records  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 records  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 records  An ambiguous angle was detected for SARIn mode for one or more records  |
| CS_OFFL_SIR_LRM_2_20160731T231053_20160731T231354_C001  Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2)  CS_OFFL_SIR_LRM_2_20160731T232151_20160731T234720_C001  CS_OFFL_SIR_LRM_2_20160731T232151_20160731T234720_C001  CS_OFFL_SIR_LRM_2_20160731T235229_20160731T235728_C001  CS_OFFL_SIR_SIN_2_20160731T004240_20160731T004544_C001  CS_OFFL_SIR_SIN_2_20160731T004240_20160731T005326_C001  CS_OFFL_SIR_SIN_2_20160731T004813_20160731T005326_C001  CS_OFFL_SIR_SIN_2_20160731T013912_20160731T014056_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160731T014101_20160731T014056_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160731T014101_20160731T014056_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160731T014101_20160731T014056_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160731T014101_20160731T014306_C001   |
| CS_OFFL_SIR_LRM_2_20160731T23153_20160731T234720_C001  Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3 for one or more records  CS_OFFL_SIR_LRM_2_20160731T235229_20160731T235728_C001  CS_OFFL_SIR_SIN_2_20160731T004240_20160731T004544_C001  CS_OFFL_SIR_SIN_2_20160731T004240_20160731T005326_C001  CS_OFFL_SIR_SIN_2_20160731T004813_20160731T005326_C001  CS_OFFL_SIR_SIN_2_20160731T013912_20160731T014056_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160731T013912_20160731T014056_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  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 records  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 records  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 records  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 records  An ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_LRM_2_20160731T232151_20160731T235728_C001  CS_OFFL_SIR_LRM_2_20160731T235229_20160731T235728_C001  CS_OFFL_SIR_SIN_2_20160731T004240_20160731T004544_C001  CS_OFFL_SIR_SIN_2_20160731T004240_20160731T004544_C001  CS_OFFL_SIR_SIN_2_20160731T004813_20160731T0045326_C001  CS_OFFL_SIR_SIN_2_20160731T013912_20160731T014056_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 records  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 records   |
| CS_OFFL_SIR_SIN_2_20160731T004240_20160731T004544_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 records  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 records  An ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20160731T004240_20160731T004344_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160731T013912_20160731T014056_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 records  An ambiguous angle was detected for SARIn mode for one or more  |
| CS_OFFL_SIR_SIN_2_20160731T014913_20160731T014056_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160731T013912_20160731T014056_C001  SARIN X-track Angle Error  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_2_20160731T013912_20160731T014096_C001  SARIII X-track Angle Error records  An ambiguous angle was detected for SARIn mode for one or more   |
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| CS_OFFL_SIR_SIN_2_20160731T022251_20160731T022525_C001  SARIn X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more records  |
| CS_OFFL_SIR_SIN_2_20160731T022721_20160731T022914_C001  SARIn X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more records  |
| CS_OFFL_SIR_SIN_2_20160731T023225_20160731T023350_C001  SARIn X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more records  |
| CS_OFFL_SIR_SIN_2_20160731T031759_20160731T031914_C001  SARIn X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more records  |
| CS_OFFL_SIR_SIN_2_20160731T032118_20160731T032400_C001  SARIn X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more records  |
| CS_OFFL_SIR_SIN_2_20160731T035749_20160731T040355_C001  SARIn X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more records  |
| CS_OFFL_SIR_SIN_2_20160731T040641_20160731T040656_C001  SARIn X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more records  |
| CS_OFFL_SIR_SIN_2_20160731T041125_20160731T041307_C001  SARIn X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more records  |
| CS_OFFL_SIR_SIN_2_20160731T050030_20160731T050207_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_2_20160731T054009_20160731T054152_C001  SARIn X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more records  |
| CS_OFFL_SIR_SIN_2_20160731T055031_20160731T055209_C001  SARIn X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more records  |
| CS_OFFL_SIR_SIN_2_20160731T063651_20160731T064134_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_2_20160731T071946_20160731T072119_C001  SARIn X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more records  |
| CS_OFFL_SIR_SIN_2_20160731T072251_20160731T072406_C001  SARIn X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more records  |
| CS_OFFL_SIR_SIN_2_20160731T072827_20160731T073108_C001  SARIn X-track Angle Error  An ambiguous angle was detected for SARin mode for one or more records  |
| CS_OFFL_SIR_SIN_2_20160731T085930_20160731T090319_C001  SARIn X-track Angle Error  An ambiguous angle was detected for SARin mode for one or more records  |
| CS_OFFL_SIR_SIN_2_20160731T090906_20160731T091025_C001  SARIn X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more records  |
| CS_OFFL_SIR_SIN_2_20160731T094958_20160731T095043_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.  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_2_20160731T103909_20160731T104224_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 records  |
| CS_OFFL_SIR_SIN_2_20160731T104737_20160731T104855_C001  SARIn X-track Angle Error  An ambiguous angle was detected for SARin mode for one or more records  and application of the same of  |
| CS_OFFL_SIR_SIN_2_20160731T121626_20160731T122040_C001  SARIn X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more records  and application of the same of  |
| CS_OFFL_SIR_SIN_2_20160731T122643_20160731T122755_C001  SARIn X-track Angle Error  An ambiguous angle was detected for SARin mode for one or more records  and application of the same of  |
| CS_OFFL_SIR_SIN_2_20160731T130551_20160731T130822_C001  SARIn X-track Angle Error  An ambiguous angle was detected for SARin mode for one or more records  and the same of the |
| CS_OFFL_SIR_SIN_2_20160731T130852_20160731T131008_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 records  |
| CS_OFFL_SIR_SIN_2_20160731T135434_20160731T135558_C001  SARIn X-track Angle Error  An ambiguous angle was detected for SARin mode for one or more records  and application of the same of  |
| CS_OFFL_SIR_SIN_2_20160731T140400_20160731T140545_C001  SARIn X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more records  |

| CS_OFFL_SIR_SIN_220160731T144253_20160731T144713_C001 | SARIn X-track Angle Error                               | An ambiguous angle was detected for SARIn mode for one or more records                                    |
|---|---|---|
| CS_OFFL_SIR_SIN_220160731T144813_20160731T144923_C001 | SARIn X-track Angle Error                               | An ambiguous angle was detected for SARIn mode for one or more records                                    |
| CS_OFFL_SIR_SIN_220160731T153342_20160731T153525_C001 | SARIn X-track Angle Error                               | An ambiguous angle was detected for SARIn mode for one or more records                                    |
| CS_OFFL_SIR_SIN_220160731T154051_20160731T154057_C001 | SARIn X-track Angle Error                               | An ambiguous angle was detected for SARIn mode for one or more records                                    |
| CS_OFFL_SIR_SIN_220160731T154217_20160731T154450_C001 | SARIn X-track Angle Error                               | An ambiguous angle was detected for SARIn mode for one or more records                                    |
| CS_OFFL_SIR_SIN_220160731T154707_20160731T154835_C001 | SARIn X-track Angle Error, Surface<br>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_220160731T162350_20160731T162819_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_220160731T171243_20160731T171456_C001 | SARIn X-track Angle Error                               | An ambiguous angle was detected for SARIn mode for one or more records                                    |
| CS_OFFL_SIR_SIN_220160731T171950_20160731T171955_C001 | SARIn X-track Angle Error                               | An ambiguous angle was detected for SARIn mode for one or more records                                    |
| CS_OFFL_SIR_SIN_220160731T172127_20160731T172457_C001 | SARIn X-track Angle Error                               | An ambiguous angle was detected for SARIn mode for one or more records                                    |
| CS_OFFL_SIR_SIN_220160731T181147_20160731T181225_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_220160731T185235_20160731T185502_C001 | SARIn X-track Angle Error                               | An ambiguous angle was detected for SARIn mode for one or more records                                    |
| CS_OFFL_SIR_SIN_220160731T185848_20160731T185853_C001 | SARIn X-track Angle Error                               | An ambiguous angle was detected for SARIn mode for one or more records                                    |
| CS_OFFL_SIR_SIN_220160731T185904_20160731T185909_C001 | SARIn X-track Angle Error                               | An ambiguous angle was detected for SARIn mode for one or more records                                    |
| CS_OFFL_SIR_SIN_220160731T190235_20160731T190417_C001 | SARIn X-track Angle Error                               | An ambiguous angle was detected for SARIn mode for one or more records                                    |
| CS_OFFL_SIR_SIN_220160731T195218_20160731T195239_C001 | SARIn X-track Angle Error, Surface<br>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_220160731T203145_20160731T203309_C001 | SARIn X-track Angle Error                               | An ambiguous angle was detected for SARIn mode for one or more records                                    |
| CS_OFFL_SIR_SIN_220160731T203802_20160731T203807_C001 | SARIn X-track Angle Error                               | An ambiguous angle was detected for SARIn mode for one or more records                                    |
| CS_OFFL_SIR_SIN_220160731T204137_20160731T204319_C001 | SARIn X-track Angle Error                               | An ambiguous angle was detected for SARIn mode for one or more records                                    |
| CS_OFFL_SIR_SIN_220160731T221142_20160731T221304_C001 | SARIn X-track Angle Error                               | An ambiguous angle was detected for SARIn mode for one or more records                                    |
| CS_OFFL_SIR_SIN_220160731T221831_20160731T222144_C001 | SARIn X-track Angle Error                               | An ambiguous angle was detected for SARIn mode for one or more records                                    |
| CS_OFFL_SIR_SIN_220160731T230944_20160731T231050_C001 | SARIn X-track Angle Error, Surface<br>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_220160731T235114_20160731T235228_C001 | SARIn X-track Angle Error                               | An ambiguous angle was detected for SARIn mode for one or more records                                    |
| CS_OFFL_SIR_SIN_220160731T235729_20160801T000049_C001 | SARIn X-track Angle Error                               | An ambiguous angle was detected for SARIn mode for one or more records                                    |
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