



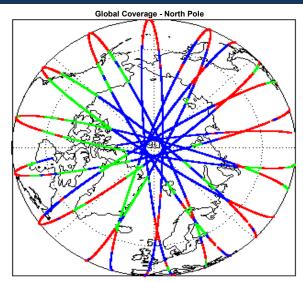
# 1. Overview

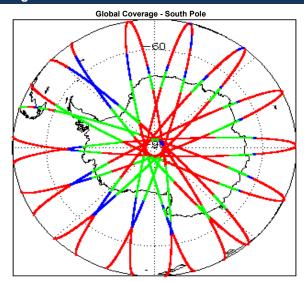
| Report Production Date: | 05-Feb-2016             |  |
|-------------------------|-------------------------|--|
| Processor Used:         | CryoSat Ice Processor   |  |
| Data Used:              | L1B and L2 OFFLINE Data |  |

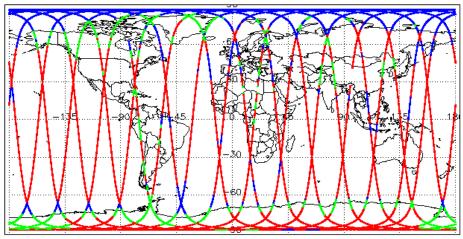
| Check                                      | Status                  |
|--|-------------------------|
| Server check: science-pds.cryosat.esa.int  | Nominal                 |
| Server check: calval-pds.cryosat.esa.int   | Nominal                 |
| Product Software Check                     | Nominal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

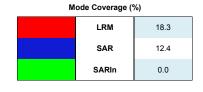
| Mission / Instru | ument News      |
|------------------|-----------------|
| 07-Jan-2016      | None            |
| 08-Jan-2016      | None            |
| 09-Jan-2016      | Nothing planned |

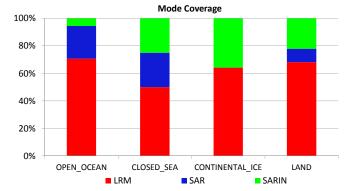
# 2. Global Coverage

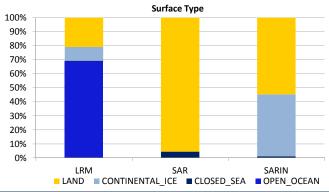












# 3. Instrument Configuration

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:

#### 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.

umber of products with errors:

| Product   | Test Failed | Description  |
|---|-------------|--|
| CS_OFFL_SIR_LRM_1B_20160108T010000_20160108T011307_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_20160108T194538_20160108T194623_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:

### 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:

| 97 |
|----|
|    |

| Product  | Test Failed                             | Description   |
|--|---|---|
| CS OFFL SIR LRM 2 20160108T001250 20160108T002009 C001 | Height Error (Retracker 2), Backscatter | There is a height and backscatter error for Retracker 2 for one or more |
| C3_OFFL_3IK_LKIW_2201001001001230_201001001002009_C001 | Error (Retracker 2)                     | records   |

| CS_OFFL_SIR_LRM_220160108T002451_20160108T004230_C001  | Height Error (Retracker 2), Backscatter   | There is a height and backscatter error for Retracker 2 for one or more  |
|--|---|--|
| CS_OFFL_SIR_LRM_220160108T010000_20160108T011307_C001  | Error (Retracker 2) Height Error (Retracker 2), Backscatter                             | records There is a height and backscatter error for Retracker 2 for one or more                                    |
| CS OFFL SIR LRM 2 20160108T011521 20160108T012731 C001 | Error (Retracker 2) Height Error (Retracker 2), Backscatter                             | records There is a height and backscatter error for Retracker 2 for one or more                                    |
|  | Error (Retracker 2) Height Error (Retracker 2), Height Error                            | records There is a height and backscatter error for Retracker 2 and a height error                                 |
| CS_OFFL_SIR_LRM_220160108T015445_20160108T020510_C001  | (Retracker 3), Backscatter Error<br>(Retracker 2)                                       | for Retracker 3 for one or more records  |
| CS_OFFL_SIR_LRM_220160108T020650_20160108T022114_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_220160108T024432_20160108T024923_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_2_20160108T025548_20160108T025859_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_20160108T030022_20160108T030731_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_220160108T033904_20160108T040042_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_220160108T041415_20160108T044249_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_220160108T050336_20160108T050436_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_220160108T051649_20160108T054011_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_220160108T054718_20160108T055043_C001  | Surface Model Unavailable   | No DEM or Slope Model was used for the location of one or more records   |
| CS_OFFL_SIR_LRM_220160108T055409_20160108T062639_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_20160108T065111_20160108T071100_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_220160108T072148_20160108T072950_C001  | Surface Model Unavailable   | No DEM or Slope Model was used for the location of one or more records   |
| CS_OFFL_SIR_LRM_220160108T073335_20160108T080701_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_220160108T085004_20160108T085914_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_220160108T091216_20160108T093448_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_220160108T093733_20160108T094718_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_220160108T100021_20160108T100309_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_220160108T101035_20160108T102342_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_220160108T102530_20160108T103656_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_2_20160108T105210_20160108T112455_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_220160108T114854_20160108T121315_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_220160108T122251_20160108T122445_C001  | Surface Model Unavailable   | No DEM or Slope Model was used for the location of one or more records   |
| CS_OFFL_SIR_LRM_2_20160108T123111_20160108T130019_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_220160108T132418_20160108T133749_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_220160108T134409_20160108T135512_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_220160108T140129_20160108T140402_C001  | Surface Model Unavailable   | No DEM or Slope Model was used for the location of one or more records   |
| CS_OFFL_SIR_LRM_220160108T141049_20160108T142534_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_220160108T142714_20160108T142956_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_220160108T150404_20160108T151115_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_220160108T151238_20160108T153641_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_220160108T153913_20160108T154804_C001  | Surface Model Unavailable   | No DEM or Slope Model was used for the location of one or more records   |
| CS_OFFL_SIR_LRM_2_20160108T155018_20160108T161218_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_20160108T165145_20160108T171515_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_20160108T172848_20160108T175449_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_20160108T182254_20160108T185413_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_220160108T190811_20160108T193232_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_220160108T193252_20160108T193427_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_220160108T194538_20160108T194623_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_220160108T195910_20160108T203400_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_220160108T204700_20160108T204948_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_220160108T205615_20160108T210035_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_2_20160108T210038_20160108T211053_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_2201601081212217_201601081212446_C001   | nere is a height and backscatter error for Retracker 2 for one or more   |
|---|--|
| Height Error (Retracker 2), Backscatter The   | cords here is a height and backscatter error for Retracker 2 for one or more   |
| CS_OFFL_SIR_LRM_2_z01601081213850_201601081214753_C001  | cords  |
| CS_OFFL_SIR_LRM_2_20160108T215039_20160108T221236_C001 (Retracker 3), Backscatter Error (Retracker 2) | nere is a height and backscatter error for Retracker 2 and a height error r Retracker 3 for one or more records  |
| CS_OFFL_SIR_LRM_2201601081222613_201601081223912_C001   | nere is a height and backscatter error for Retracker 2 for one or more cords   |
|   | nere is a height and backscatter error for Retracker 2 and a height error r Retracker 3 for one or more records  |
| US OFFI SIR LRM 2 201601081231953 201601081235157 C001  | nere is a height and backscatter error for Retracker 2 for one or more ecords  |
|   | n ambiguous angle was detected for SARIn mode for one or more  |
| CS_OFFL_SIR_SIN_2_20160108T005146_20160108T005342_C001SARIn_X-track_Angle_ErrorAn                     | n ambiguous angle was detected for SARIn mode for one or more  |
| CS OFFI SIR SIN 2 20160108T013520 20160108T013736 C001  SARIn X-track Angle Error, Surface An         | n ambiguous angle was detected for SARIn mode and no DEM or Slope odel was used for one or more records  |
| CS_OFFL_SIR_SIN_2_20160108T022151_20160108T022339_C001SARIn_X-track_Angle_ErrorAn                     | n ambiguous angle was detected for SARIn mode for one or more cords  |
| CS_OFFL_SIR_SIN_2_20160108T022900_20160108T022906_C001SARin_X-track_Angle_ErrorAn                     | on ambiguous angle was detected for SARIn mode for one or more cords   |
| CS_OEFL_SIR_SIN_2_20160108T023020_20160108T023713_C001SARIn_X-track_Angle_ErrorAn                     | onds ambiguous angle was detected for SARIn mode for one or more cords   |
| CS_OFFL_SIR_SIN_2_20160108T040057_20160108T040358_C001SARIn_X-track_Angle_ErrorAn                     | n ambiguous angle was detected for SARIn mode for one or more cords  |
| CS_OFFL_SIR_SIN_2_20160108T040758_20160108T040804_C001SARIn_X-track_Angle_ErrorAn                     | cords  ambiguous angle was detected for SARIn mode for one or more cords   |
| CS_OEFL_SIR_SIN_2_20160108T040813_20160108T040819_C001SARIn_X-track_Angle_ErrorAn                     | n ambiguous angle was detected for SARIn mode for one or more  |
| CS_OFFI_SIR_SIN_2_20160108T041029_20160108T041312_C001 SARIn_X-track_Angle_ErrorAn                    | cords n ambiguous angle was detected for SARIn mode for one or more  |
| CS_OFFI_SIR_SIN_2_20160108T054030_20160108T054146_C001 SARIn X-track Angle Error An                   | cords<br>n ambiguous angle was detected for SARIn mode for one or more   |
| CS_OFFL_SIR_SIN_2_20160108T055044_20160108T055204_C001  | cords<br>n ambiguous angle was detected for SARIn mode for one or more   |
| CS_OFFI_SIR_SIN_2_20160108T063909_20160108T063944_C001 SARIn X-track Angle Error, Surface An          | cords<br>n ambiguous angle was detected for SARIn mode and no DEM or Slope   |
| Model Orlavaliable Mo   | odel was used for one or more records n ambiguous angle was detected for SARIn mode for one or more  |
| An  | cords n ambiguous angle was detected for SARIn mode for one or more  |
| An  | cords and the cords are the cords and the cords are the cords and the cords are the co |
| CS_OFFL_SIR_SIN_2_201001081085957_201001081090122_C001 SARIII A-tiack Arigle Eritol rec               | cords n ambiguous angle was detected for SARIn mode for one or more  |
| CS_OFFL_SIR_SIN_2201601081090638_201601081090942_C001   | cords n ambiguous angle was detected for SARIn mode for one or more  |
| CS_OFFL_SIR_SIN_2201001061103943_201001061104252_C001 SARIH X-Hack Aligie Elitol rec                  | cords  n ambiguous angle was detected for SARIn mode for one or more   |
| CS_OFFL_SIR_SIN_2201601081104539_201601081104921_C001 SARIN X-track Angle Error rec                   | cords  n ambiguous angle was detected for SARIn mode for one or more   |
| CS_OFFL_SIR_SIN_2201601081113643_201601081114017_C001 SARIN X-track Angle Error                       | cords  |
| CS_OFFL_SIR_SIN_2201601081122017_201601081122250_C001 SARIN X-track Angle Error rec                   | n ambiguous angle was detected for SARIn mode for one or more scords   |
| CS_OFFL_SIR_SIN_2201601081122445_201601081122702_C001 SARIn X-track Angle Error rec                   | n ambiguous angle was detected for SARIn mode for one or more cords  |
| CS_OFFL_SIR_SIN_2201601081122941_201601081123110_C001 SARIN X-track Angle Error                       | n ambiguous angle was detected for SARIn mode for one or more cords  |
| CS_OFFL_SIR_SIN_2201601081131522_201601081131641_C001 SARIN X-track Angle Error                       | n ambiguous angle was detected for SARIn mode for one or more scords   |
| CS_OFFL_SIR_SIN_2201001061132035_201001061132201_C001 SARIII X-tiack Aligie Elfor                     | n ambiguous angle was detected for SARIn mode for one or more cords  |
| CS_OFFL_SIR_SIN_2201601081135513_201601081140129_C001 SARIN X-track Angle Error                       | n ambiguous angle was detected for SARIn mode for one or more<br>cords   |
| CS_OFFL_SIR_SIN_2201001061140402_201001061140425_C001   SARIII X-tiack Aligle Effor                   | n ambiguous angle was detected for SARIn mode for one or more<br>cords   |
| CS_OFFL_SIR_SIN_2201601081140851_201601081141031_C001 SARIN X-track Angle Error rec                   | n ambiguous angle was detected for SARIn mode for one or more<br>cords   |
|   | n ambiguous angle was detected for SARIn mode for one or more<br>cords   |
|   | n ambiguous angle was detected for SARIn mode for one or more cords  |
| US OFFE SIR SIN Z. ZUTBUTURT 1548US ZUTBUTURT 155UU3 CUUT — ISARIN X-TRACK ANDIE ETTOR                | n ambiguous angle was detected for SARIn mode for one or more cords  |
|   | n ambiguous angle was detected for SARIn mode and no DEM or Slope odel was used for one or more records  |
| US OFFE SIR SIN Z. ZUIBUTUSETZIZTA ZUIBUTUSETZIZTSAG CUUT SARID X-TRACK ANDIE ERROF                   | n ambiguous angle was detected for SARIn mode for one or more cords  |
|   | n ambiguous angle was detected for SARIn mode for one or more cords  |
| US OFFE SIR SIN Z. ZUIDUTURETZZSS4 ZUIDUTURETZZRZS CUUT — ISARIO X-TRACK ANDIE ETTOR                  | n ambiguous angle was detected for SARIn mode for one or more cords  |
| CS_OFFL_SIR_SIN_2_20160108T185653_20160108T190044_C001SARIn_X-track_Angle_ErrorAn                     | n ambiguous angle was detected for SARIn mode for one or more cords  |
| CS_OEFL_SIR_SIN_2_20160108T190632_20160108T190757_C001SARIn_X-track_Angle_ErrorAn                     | n ambiguous angle was detected for SARIn mode for one or more cords  |
| CS OFFI SIR SIN 2 20160108T194715 20160108T194811 C001 SARIn X-track Angle Error, Surface An          | n ambiguous angle was detected for SARIn mode and no DEM or Slope odel was used for one or more records  |
| CS_OFFI_SIR_SIN_2_20160108T203636_20160108T203949_C001SARIn_X-track_Angle_ErrorAn                     | n ambiguous angle was detected for SARIn mode for one or more cords  |
| CS_OFFI_SIR_SIN_2_20160108T204503_20160108T204617_C001SARIn_X-track_Angle_ErrorAn                     | cords  a mbiguous angle was detected for SARIn mode for one or more cords  |
| CS_OEEL_SIR_SIN_2_20160108T221354_20160108T221819_C001SARIn_X-track_Angle_ErrorAn                     | cords  ambiguous angle was detected for SARIn mode for one or more cords   |
| CS OFFI SIR SIN 2 20160108T222406 20160108T222525 C001 SAPIn X-track Angle Error                      | cords  ambiguous angle was detected for SARIn mode for one or more cords   |
| CS_OFFI_SIR_SIN_2_20160108T230327_20160108T230740_C001  | cords ambiguous angle was detected for SARIn mode for one or more  |
| CS_OFFI_SIR_SIN_2_20160108T235200_20160108T235321_C001SARIn_X-track_Angle_ErrorAn                     | cords  ambiguous angle was detected for SARIn mode for one or more cords   |
| lec   |  |