



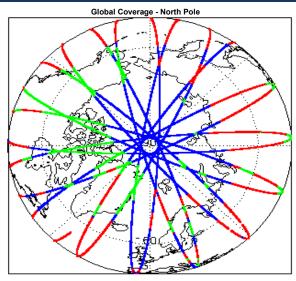
## 1. Overview

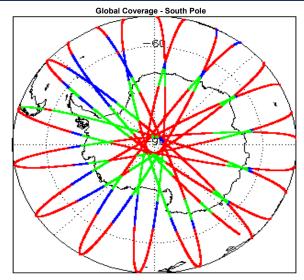
| Report Production Date: | 15-Feb-2018             |
|-------------------------|-------------------------|
| Processor Used:         | CryoSat Ice Processor   |
| Data Used:              | L1B and L2 OFFLINE Data |

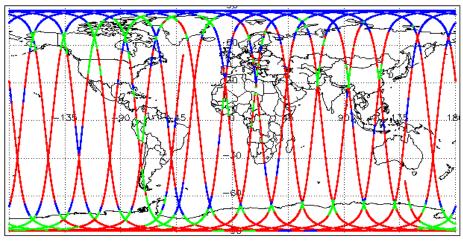
| Oh I-                                      | 04-4                    |
|--|-------------------------|
| Check                                      | Status                  |
| Server check: science-pds.cryosat.esa.int  | Nominal                 |
| Server check: calval-pds.cryosat.esa.int   | Nominal                 |
| 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 |

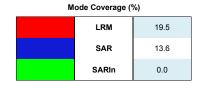
| Mission / Instru | ment News       |
|------------------|-----------------|
| 16-Jan-2018      | None            |
| 17-Jan-2018      | None            |
| 18-Jan-2018      | Nothing planned |

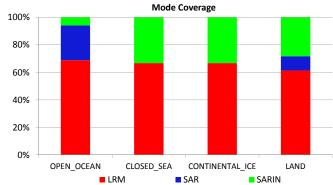
## 2. Global Coverage

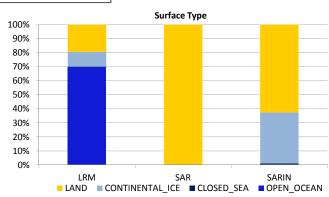












# 3. Instrument Configuration

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: 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:

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: 107

| Product  | Test Failed | Description  |
|--|-------------|--|
|  | , ,         | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_2_20180117T001512_20180117T002934_C001 | , ,         | 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 |

|  | Height Error (Retracker 2), Height Error  | L   |
|--|---|---|
| CS_OFFL_SIR_LRM_2_20180117T010318_20180117T011240_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_2_20180117T014112_20180117T015209_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_2_20180117T015736_20180117T021201_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_220180117T021454_20180117T022307_C001  | Surface Model Unavailable   | No DEM or Slope Model was used for the location of one or more records  |
| CS_OFFL_SIR_LRM_220180117T022525_20180117T024126_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_220180117T024459_20180117T024954_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_220180117T032405_20180117T035113_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_20180117T035625_20180117T040139_C001 | Surface Model Unavailable   | No DEM or Slope Model was used for the location of one or more records  |
| CS_OFFL_SIR_LRM_220180117T040424_20180117T042932_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_20180117T050208_20180117T051250_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_220180117T051829_20180117T052906_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_220180117T054325_20180117T061134_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 20180117T061959 20180117T062132 C001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error                     | There is a height and backscatter error for Retracker 2 and a height error  |
| 00_011   | (Retracker 2) Height Error (Retracker 2), Height Error  | for Retracker 3 for one or more records   |
| CS_OFFL_SIR_LRM_2_20180117T063502_20180117T070838_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_220180117T073107_20180117T073551_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_220180117T081439_20180117T082300_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_220180117T082545_20180117T084807_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_220180117T090118_20180117T092050_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_220180117T095305_20180117T102638_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_220180117T104501_20180117T111627_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_220180117T113633_20180117T114338_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_220180117T114820_20180117T114936_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_220180117T114939_20180117T120555_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_220180117T122313_20180117T123636_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_220180117T123850_20180117T125048_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_220180117T131816_20180117T132840_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_220180117T133020_20180117T134446_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_220180117T140631_20180117T141312_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_220180117T141757_20180117T142228_C001  | Height Error (Retracker 2), Height Error (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 20180117T142511 20180117T143059 C001 | (Retracker 2) Height Error (Retracker 2), Backscatter   | There is a height and backscatter error for Retracker 2 for one or more   |
| CS_OFFL_SIR_LRM_2_20180117T150147_20180117T152415_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_201801177130147_201801177132413_0001 | 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), Backscatter                                   | records There is a height and backscatter error for Retracker 2 for one or more   |
| CS_OFFL_SIR_LRM_220180117T163819_20180117T170343_C001  | Error (Retracker 2)   | records   |
| CS_OFFL_SIR_LRM_220180117T171046_20180117T171412_C001  | Surface Model Unavailable Height Error (Retracker 2), Backscatter                             | 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   |
| CS_OFFL_SIR_LRM_220180117T171742_20180117T172839_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_220180117T173417_20180117T175030_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_20180117T181341_20180117T182250_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_220180117T182253_20180117T183336_C001  | Error (Retracker 2)   | records   |
| CS_OFFL_SIR_LRM_220180117T184520_20180117T185316_C001  | Surface Model Unavailable  Height Error (Retracker 2), Backscatter                            | 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   |
| CS_OFFL_SIR_LRM_220180117T185704_20180117T193017_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_220180117T194358_20180117T194449_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_220180117T195611_20180117T195705_C001  | Error (Retracker 2) Height Error (Retracker 2) Height Error (Retracker 2), Backscatter        | There is a height and backscatter error for Retracker 2 for one or more   |
| CS_OFFL_SIR_LRM_220180117T200548_20180117T202246_C001  | Error (Retracker 2) Height Error (Retracker 2) Height Error (Retracker 2), Height Error       | records   |
| CS_OFFL_SIR_LRM_2_20180117T203550_20180117T205816_C001 | (Retracker 3), Backscatter Error<br>(Retracker 2)<br>Height Error (Retracker 2), Backscatter  | 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_220180117T210101_20180117T211036_C001  | Error (Retracker 2)   | records   |
| CS_OFFL_SIR_LRM_220180117T213359_20180117T213905_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_220180117T214105_20180117T214711_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_220180117T214859_20180117T220024_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   |
|  |   |   |

| Registration for interest 2, heavy first production of the company | CS OFFL SIR LRM 2 20180117T220632 20180117T220907 C001 | Surface Model Unavailable                | No DEM or Slope Model was used for the location of one or more records                                    |
|--|--|--|---|
| Security   Company   Com   |  | Height Error (Retracker 2), Height Error | ·   |
| Co. (1) 1. (2) (1) (2) (1) (2) (1) (2) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2  | CS_OFFL_SIR_LRM_220180117T221543_20180117T224821_C001  | (Retracker 2)                            | for Retracker 3 for one or more records   |
| COLONIA DEL DIO 1777 SOLO MANOR DEL CONTROLLA DEL CONTROLLA DEL COLO DEL CO | CS_OFFL_SIR_LRM_220180117T230443_20180117T233642_C001  |  |   |
| Dig OFFE, SER, 2012. 2 201611 FTT002022 20161 FTT002022 COST  CR. OFFE, SER, 2012. 2 201611 FTT002022 20161 FTT002022 COST  ARRON X Hann Angel Revo  ARRON X HANN Angel Rev | CS_OFFL_SIR_LRM_220180117T234619_20180117T234814_C001  | Surface Model Unavailable                | No DEM or Slope Model was used for the location of one or more records                                    |
| SCOTT, SIRS, 20, 2010 117 (1000) 2010 117 (100 | CS_OFFL_SIR_LRM_220180117T235017_20180117T235318_C001  | Surface Model Unavailable                | No DEM or Slope Model was used for the location of one or more records                                    |
| Company   Comp   | CS_OFFL_SIR_SIN_2_20180117T003337_20180117T003657_C001 | SARIn X-track Angle Error                | records   |
| Comparison   Com   | CS_OFFL_SIR_SIN_220180117T003904_20180117T003957_C001  | SARIn X-track Angle Error                | records   |
| Computer    | CS_OFFL_SIR_SIN_220180117T004406_20180117T004541_C001  | SARIn X-track Angle Error                | records   |
| Soft I, Sins St. 2, 2010/11/17/10040 (2010/11/10040) Cold Soft In made for one or more soft I | CS_OFFL_SIR_SIN_220180117T012948_20180117T013054_C001  | SARIn X-track Angle Error                | records   |
| Co. CPT_BR_SNL_2018117102455_008117100455_0081  SARIS XEACH Anjable Error  An analogous argue was demoted for SARIs mode of no DEM or Stope Anderson Company or Anne SARIS Mode Service or An analogous argue was demoted for SARIs mode or no DEM or Stope Anderson Company or An analogous argue was demoted for SARIs mode or no DEM or Stope Anderson Company or An analogous argue was demoted for SARIs mode or no DEM or Stope Anderson Company or An analogous argue was demoted for SARIs mode for or or more control.  Co. CPT_BR_SNL_2018117100457_008117100457_0081  SARIS XEACH Anjable Error   | CS_OFFL_SIR_SIN_220180117T013146_20180117T013242_C001  | SARIn X-track Angle Error                | records   |
| Confer List State 2, 2000/11/17/00220 (2010/11/100220 CONDITIVIDADE) CONDITIVIDADE CONDITIVIDADE CONDITIVIDADE CONDITIVIDADES CONDITITIVIDADES CONDITIVIDADES CONDITIVIDADES CONDITIVITICADES CONDITITIVIDADES CONDITIVITICADES CONDITITIVIDADES CON | CS_OFFL_SIR_SIN_220180117T021254_20180117T021454_C001  | SARIn X-track Angle Error                | records   |
| Model Unwarbable Model five seased for new or not records As Performance of the property of th | CS_OFFL_SIR_SIN_220180117T022307_20180117T022455_C001  |  | records   |
| Softer, Sell, 2_mitter/1708/05/2_mitter/1708/05/2_colors or more control of the colors | CS_OFFL_SIR_SIN_2_20180117T030901_20180117T031447_C001 |  | Model was used for one or more records  |
| Schill, Katak Angle Error  Schill, Katak Angle E | CS_OFFL_SIR_SIN_220180117T035226_20180117T035343_C001  | SARIn X-track Angle Error                | records   |
| Schen Astatic Angle Error  Schen Astatic Angle Error  Schen Astatic Angle Error  An arridiguous angle was detected for SARIn mode for one or more none.  SARIN Xeask Angle Error  An arridiguous angle was detected for SARIn mode for one or more none.  SARIN Xeask Angle Error  SARIN Xeask Angle Error  An arridiguous angle was detected for SARIn mode for one or more none.  SARIN Xeask Angle Error  An arridiguous angle was detected for SARIn mode for one or more none.  SARIN Xeask Angle Error  An arridiguous angle was detected for SARIn mode for one or more none.  SARIN Xeask Angle Error  An arridiguous angle was detected for SARIn mode for one or more none.  SARIN Xeask Angle Error  An arridiguous angle was detected for SARIn mode for one or more none.  SARIN Xeask Angle Error  An arridiguous angle was detected for SARIn mode for one or more none.  SARIN Xeask Angle Error  An arridiguous angle was detected for SARIn mode for one or more none.  SARIN Xeask Angle Error  An arridiguous angle was detected for SARIn mode for one or more none.  SARIN Xeask Angle Error  An arridiguous angle was detected for SARIn mode for one or more none.  SARIN Xeask Angle Error  An arridiguous angle was detected for SARIn mode for one or more none.  SARIN Xeask Angle Error  An arridiguous angle was detected for SARIn mode for one or more none.  SARIN Xeask Angle Error  An arridiguous angle was detected for SARIn mode for one or more none.  SARIN Xeask Angle Error  An arridiguous angle was detecte | CS_OFFL_SIR_SIN_220180117T035547_20180117T035625_C001  | SARIn X-track Angle Error                | records   |
| Model threvailable Model threvailable Model threvailable Model threvailable Model was used for one or more excess Sec. OFFIL, SIR, SIR 2, 201801177105356, 201801177053550, 2010 SARIN, Xrasak, Angle Error SARIN, | CS_OFFL_SIR_SIN_220180117T040140_20180117T040417_C001  | •  | records   |
| Schill, Keack Angle Error  Schill, Keack Angle E | CS_OFFL_SIR_SIN_220180117T044219_20180117T044249_C001  |  |   |
| SOPEL_SR_SN_2_201801177103939_201801177103939_20180 | CS_OFFL_SIR_SIN_220180117T053145_20180117T053306_C001  | SARIn X-track Angle Error                | records   |
| SARIO X-Lack Angle Error  SARIO X-Lack Angle Error  An ambiguous angle was detected for SARIo mode for one or more executes  SARIO X-Lack Angle Error  An ambiguous angle was detected for SARIo mode for one or more executes  SARIO X-Lack Angle Error  An ambiguous angle was detected for SARIo mode for one or more executes  SARIO X-Lack Angle Error  An ambiguous angle was detected for SARIo mode for one or more executes  SARIO X-Lack Angle Error  An ambiguous angle was detected for SARIo mode for one or more executes  SARIO X-Lack Angle Error  An ambiguous angle was detected for SARIo mode for one or more executes  SARIO X-Lack Angle Error  An ambiguous angle was detected for SARIo mode for one or more executes  SARIO X-Lack Angle Error  An ambiguous angle was detected for SARIo mode for one or more executes  SARIO X-Lack Angle Error  An ambiguous angle was detected for SARIo mode for one or more executes  SARIO X-Lack Angle Error  An ambiguous angle was detected for SARIo mode for one or more executes  SARIO X-Lack Angle Error  An ambiguous angle was detected for SARIo mode for one or more executes  SARIO X-Lack Angle Error  An ambiguous angle was detected for SARIo mode for one or more executes  SARIO X-Lack Angle Error  An ambiguous angle was detected for SARIo mode for one or more executes  SARIO X-Lack Angle Error  An ambiguous angle was detected for SARIo mode for one or more executes  SARIO X-Lack Angle Error  An ambiguous angle was detected for SARIo mode for one or more executes  SARIO X-Lack Angle Error  An ambiguous angle was detected for SARIo mode for one or more executes  SARIO X-Lack Angle Error  An ambiguous angle was detected for SARIo mode for one or more executes  SARIO X-Lack Angle Error  An ambiguous angle was detected for SARIo mode for one or more executes  SARIO X-Lack Angle Error  An ambiguous angle was detected for SARIo mode for one or more executes  SARIO X-Lack Angle Error  SARIO X-Lack Angle Error  An ambiguous angle was detected for SARIo mode for one or more executes  SARIO X-Lack A | CS_OFFL_SIR_SIN_220180117T053358_20180117T053550_C001  | SARIn X-track Angle Error                | records   |
| SOFIL-SIR-SIN_2_201801177107226_20180117707243_C001  SARIN-X1sack Angle Error  An ambiguous angle was delected for SARIN mode for one or more excess constructions. The excess construction of the second construc | CS_OFFL_SIR_SIN_2_20180117T054155_20180117T054319_C001 | SARIn X-track Angle Error                | records   |
| So, OFFL_SIR_SIN_2_201801171089015_20180117108938_0001  SARIN X-track Angle Error coords  An ambiguous angle was delected for SARIN mode for one or more records  SARIN X-track Angle Error coords  An ambiguous angle was delected for SARIN mode for one or more records  SARIN X-track Angle Error coords  SARIN X-track Angle Error coords  An ambiguous angle was delected for SARIN mode for one or more records  SARIN X-track Angle Error coords  SARIN  | CS_OFFL_SIR_SIN_2_20180117T071134_20180117T071459_C001 | SARIn X-track Angle Error                |   |
| SAFIR X-track Angle Error SOUTH_SIR_SIN_2_2018011771094015_201801177090038_C001 SAFIR X-track Angle Error SOUTH_SIR_SIR_2_201801177110242_20180117711747_C001 SAFIR X-track Angle Error SAFIR X-track Angle Error SAFIR X-track Angle Error SOUTH_SIR_SIR_2_20180117711206_201801177112774_C001 SAFIR X-track Angle Error SOUTH_SIR_SIR_2_20180117711206_20180117712774_C001 SAFIR X-track Angle Error SOUTH_SIR_SIR_2_20180117712074_20180117712774_C001 SAFIR X-track Angle Error SOUTH_SIR_SIR_2_20180117712074_20180117712774_C001 SAFIR X-track Angle Error SAFIR X-track Angle Error SAFIR X-track Angle Error SAFIR X-track Angle Error SOUTH_SIR_SIR_2_20180117712074_20180117713233_2001 SAFIR X-track Angle Error SAFIR X-track Angle  | CS_OFFL_SIR_SIN_2_20180117T072026_20180117T072143_C001 | SARIn X-track Angle Error                |   |
| SARIN Artack Angle Error records SARIN X-track Angle Error 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 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 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 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_220180117T085037_20180117T085358_C001  | SARIn X-track Angle Error                |   |
| SARIN Attrack Angle Error  An ambiguous angle was detected for SARIn mode for one or more excurse  Model Unavailable  SARIN Attrack Angle Error  SARIN Attra | CS_OFFL_SIR_SIN_220180117T085915_20180117T090038_C001  | SARIn X-track Angle Error                |   |
| SARIN X-track Angle Error  SARIN X-track Angle E | CS_OFFL_SIR_SIN_220180117T094015_20180117T094248_C001  | SARIn X-track Angle Error                |   |
| CS_OFFL_SIR_SIN_2_20180117T103802_20180117T11590_C001  SARIN x-track Angle Error ecords  An ambiguous angle was detected for SARIn mode for one or more records  SARIN x-track Angle Error  SARIN x-track x-track Error  SARIN x-track Angle  | CS_OFFL_SIR_SIN_220180117T102734_20180117T102921_C001  | SARIn X-track Angle Error                |   |
| CS_OFFL_SIR_SIN_2_20180117T119246_20180117T119250_C001  SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records executed for SARIn mo | CS_OFFL_SIR_SIN_220180117T103803_20180117T103922_C001  | SARIn X-track Angle Error                |   |
| SARIN X-track Angle Error Anabiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Surface Anabiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Surface Anabiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabiguous angle was detected for SARIn mode for one or more records  SARIN X-track  | CS_OFFL_SIR_SIN_220180117T111642_20180117T111747_C001  | SARIn X-track Angle Error                | records   |
| SARIN X-track Angle Error  SARIN X-track Angle E | CS_OFFL_SIR_SIN_2_20180117T112046_20180117T112150_C001 | SARIn X-track Angle Error                |   |
| SARIN X-track Angle Error  SARIN X-track Angle E | CS_OFFL_SIR_SIN_220180117T120606_20180117T120742_C001  | SARIn X-track Angle Error                |   |
| CS_OFFL_SIR_SIN_2_20180117T135242_20180117T135242_20180117T135243_20180117T135242_20180117T135243_2001  SARIN X-track Angle Error  SARIN X-track Ang | CS_OFFL_SIR_SIN_220180117T121330_20180117T121333_C001  | SARIn X-track Angle Error                |   |
| Model Unavailable  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  SARIn X-track Angle Error  SARIn X-track Angle Error  SARIn X-track Angle Error  SARIN STRACK Angle Error, Surface Model Unavailable  Model was used 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  SARIN X-track Angle Error, Surface Model Unavailable  Model was used 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 and no DEM or Slope Model unavailable  Model was used 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  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  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 am | CS_OFFL_SIR_SIN_220180117T121511_20180117T121711_C001  | SARIn X-track Angle Error                |   |
| SARIN X-track Angle Error 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  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 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  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  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 record | CS_OFFL_SIR_SIN_220180117T125848_20180117T130104_C001  |  | An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records |
| SARIN X-track Angle Error ecords  SARIN X-track Angle Error ecords  An ambiguous angle was detected for SARIn mode for one or more ecords  SARIN X-track Angle Error ecords  An ambiguous angle was detected for SARIn mode for one or more ecords  SARIN X-track Angle Error ecords  An ambiguous angle was detected for SARIn mode for one or more ecords  SARIN X-track Angle Error ecords  An ambiguous angle was detected for SARIn mode for one or more ecords  An ambiguous angle was detected for SARIn mode for one or more ecords  An ambiguous angle was detected for SARIn mode and no DEM or Slope Model Unavailable  SARIN X-track Angle Error Surface Model was used 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  SARIN X-track Angle Error SARIn mode for one or more records  SARIN X-track Angle Error Ecords  SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Ecords  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 am | CS_OFFL_SIR_SIN_220180117T134520_20180117T134708_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 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 | CS_OFFL_SIR_SIN_220180117T135228_20180117T135233_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  | CS_OFFL_SIR_SIN_220180117T135244_20180117T135247_C001  | SARIn X-track Angle Error                |   |
| SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180117T143428_20180117T143938_C001  CS_OFFL_SIR_SIN_2_20180117T153126_20180117T15372_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 mod | CS_OFFL_SIR_SIN_220180117T135348_20180117T135819_C001  | SARIn X-track Angle Error                |   |
| CS_OFFL_SIR_SIN_2_20180117T152426_20180117T152737_C001  CS_OFFL_SIR_SIN_2_20180117T152126_20180117T152737_C001  CS_OFFL_SIR_SIN_2_20180117T153126_20180117T153132_C001  CS_OFFL_SIR_SIN_2_20180117T153141_20180117T153147_C001  CS_OFFL_SIR_SIN_2_20180117T153141_20180117T153147_C001  CS_OFFL_SIR_SIN_2_20180117T153425_20180117T153643_C001  CS_OFFL_SIR_SIN_2_20180117T153425_20180117T153643_C001  CS_OFFL_SIR_SIN_2_20180117T170354_20180117T170354_C001  CS_OFFL_SIR_SIN_2_20180117T170354_20180117T170354_C001  CS_OFFL_SIR_SIN_2_20180117T17412_20180117T17034_C001  CS_OFFL_SIR_SIN_2_20180117T17412_20180117T17180312_C001  CS_OFFL_SIR_SIN_2_20180117T17412_20180117T180312_C001  CS_OFFL_SIR_SIN_2_20180117T18037_20180117T180312_C001  CS_OFFL_SIR_SIN_2_20180117T180317_20180117T184520_C001  CS_OFFL_SIR_SIN_2_20180117T185317_20180117T185429_C001  CS_OFFL_SIR_SIN_2_20180117T185317_20180117T185429_C001  CS_OFFL_SIR_SIN_2_20180117T180312_C001  CS_OFFL_SIR_SIN_2_20180117T185317_20180117T185429_C001  CS_OFFL_SIR_SIN_2_20180117T185317_20180117T1203308_C001  CS_OFFL_SIR_SIN_2_20180117T1203306_20180117T203308_C001  CS_OFFL_SIR_SIN_2_20180117T203306_20180117T203308_C001  CS_OFFL_SIR_SIN_2_20180117T203306_20180117T203306_C001  CS_OFFL_SIR_SIN_2_20180117T203306_20180117T203306_C001  CS_OFFL_SIR_SIN_2_20180117T203306_20180117T2033 | CS_OFFL_SIR_SIN_220180117T135823_20180117T140042_C001  | SARIn X-track Angle Error                |   |
| SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180117T153126_20180117T153132_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  | CS_OFFL_SIR_SIN_220180117T143428_20180117T143938_C001  |  | 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_20180117T153142_20180117T153147_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180117T153425_20180117T153643_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180117T170354_20180117T170519_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180117T170354_20180117T170519_C001  SARIN X-track Angle Error  SARIN X-track Angle Error, Surface Model Unavailable  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   | CS_OFFL_SIR_SIN_220180117T152426_20180117T152737_C001  | SARIn X-track Angle Error                |   |
| CS_OFFL_SIR_SIN_2_20180117T153425_20180117T153643_C001  SARIN X-track Angle Error  SARIN X-track Angle Error, Surface Model Unavailable  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_SIN_220180117T153126_20180117T153132_C001  | SARIn X-track Angle Error                |   |
| CS_OFFL_SIR_SIN_2_20180117T170354_20180117T170519_C001  SARIN X-track Angle Error  SARIN X-track Angle Error, Surface Model Unavailable  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_SIN_220180117T153141_20180117T153147_C001  | SARIn X-track Angle Error                |   |
| CS_OFFL_SIR_SIN_2_20180117T170334_20180117T17034_C001  SARIN X-track Angle Error  SARIN X-track Angle Error, Surface Model Unavailable  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_SIN_220180117T153425_20180117T153643_C001  | SARIn X-track Angle Error                |   |
| CS_OFFL_SIR_SIN_2_20180117T180237_20180117T180312_C001  CS_OFFL_SIR_SIN_2_20180117T180237_20180117T180312_C001  CS_OFFL_SIR_SIN_2_20180117T184355_20180117T184520_C001  CS_OFFL_SIR_SIN_2_20180117T185317_20180117T185429_C001  CS_OFFL_SIR_SIN_2_20180117T185317_20180117T185429_C001  CS_OFFL_SIR_SIN_2_20180117T202326_20180117T202452_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 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  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_220180117T170354_20180117T170519_C001  | SARIn X-track Angle Error                |   |
| Model Unavailable  Model Unavailable  Model Was used 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  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  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180117T203006_20180117T203308_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_SIN_2_20180117T171412_20180117T171534_C001 | SARIn X-track Angle Error                |   |
| CS_OFFL_SIR_SIN_2_20180117T184355_20180117T184329_C001  SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more records  CS_OFFL_SIR_SIN_2_20180117T20306_20180117T203308_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 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_220180117T180237_20180117T180312_C001  |  | 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_20180117T203306_20180117T203308_C001  SARIN X-track Angle Error records  SARIN X-track Angle Error Annual Error 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_220180117T184355_20180117T184520_C001  | SARIn X-track Angle Error                |   |
| CS_OFFL_SIR_SIN_2_20180117T202326_20180117T202452_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 records  An ambiguous angle was detected for SARIn mode for one or more records  SARIn X-track Angle Error  CS_OFFL_SIR_SIN_2_20180117T20336_20180117T20336_1_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_220180117T185317_20180117T185429_C001  | SARIn X-track Angle Error                | An ambiguous angle was detected for SARIn mode for one or more  |
| CS_OFFL_SIR_SIN_2_20180117T203006_20180117T203308_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 seconds  An ambiguous angle was detected for SARIn mode for one or more  | CS_OFFL_SIR_SIN_220180117T202326_20180117T202452_C001  | SARIn X-track Angle Error                | An ambiguous angle was detected for SARIn mode for one or more  |
| CS_OFFL_SIR_SIN_2 20180117T220326 20180117T220631 C001 SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more  | CS_OFFL_SIR_SIN_220180117T203006_20180117T203308_C001  | SARIn X-track Angle Error                | An ambiguous angle was detected for SARIn mode for one or more  |
| CS_OFFL_SIR_SIN_2201601171220326_201601171220331_C001  | CS_OFFL_SIR_SIN_220180117T220326_20180117T220631_C001  | SARIn X-track Angle Error                | An ambiguous angle was detected for SARIn mode for one or more  |

| CS_OFFL_SIR_SIN_220180117T220907_20180117T221418_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
|---|---------------------------|--|
| CS_OFFL_SIR_SIN_220180117T230008_20180117T230354_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220180117T234345_20180117T234619_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220180117T234814_20180117T235017_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220180117T235319_20180117T235440_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |

## 6. QCC Report Analysis

The Quality Control for CryoSat (QCC) facility performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

| Product type | No. Products | No. QCC Reports | No. Valid | No. Warnings | No. Errors |
|--------------|--------------|-----------------|-----------|--------------|------------|
| SIR_LRM_1B   | 165          | 165             | 165       | 0            | 0          |
| SIR_LRM_2    | 165          | 165             | 165       | 0            | 0          |
| SIR_LRMI2_   | 165          | 165             | 165       | 0            | 0          |
| SIR_SAR_1B   | 104          | 104             | 104       | 0            | 0          |
| SIR_SAR_2    | 104          | 104             | 104       | 0            | 0          |
| SIR_SARI2_   | 104          | 104             | 104       | 0            | 0          |
| SIR_SIN_1B   | 102          | 102             | 102       | 0            | 0          |
| SIR_SIN_2    | 102          | 102             | 102       | 0            | 0          |
| SIR_SINI2    | 102          | 102             | 102       | 0            | 0          |
| SIR GDR 2    | 14           | 14              | 14        | 0            | 0          |

## 6.1 QCC Errors

Number of products with QCC errors:

0

## 6.2 QCC Warnings

Number of QCC reports with warnings

Ο

# 6.2 Missing QCC Reports

Number of products with missing QCC reports:

201