



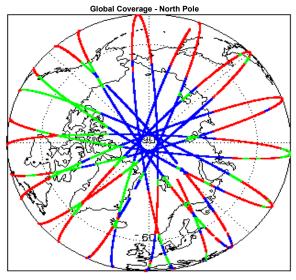
# 1. Overview

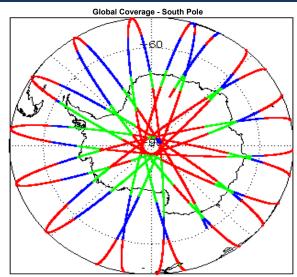
Report Production Date:	17-Nov-2017		
Processor Used:	CryoSat Ice Processor		
Data Used:	L1B and L2 OFFLINE Data		

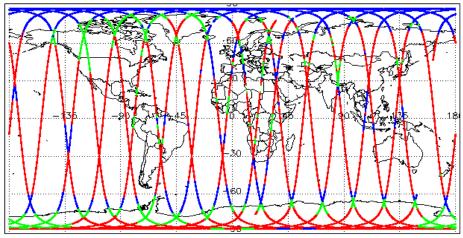
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary Data File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

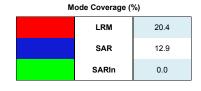
ı	Mission / Instrument News		
	14-Oct-2017	None	
	15-Oct-2017	None	
	16-Oct-2017	Nothing planned	

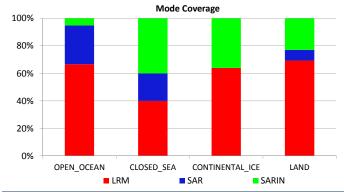
# 2. Global Coverage

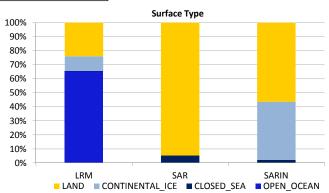












# 3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

#### 4.1 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:

#### 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: 112

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220171015T000951_20171015T001043_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_20171015T003702_20171015T003811_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_220171015T003910_20171015T004351_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_220171015T004930_20171015T005448_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records

CS_OFFL_SIR_LRM_2_20171015T010207_20171015T012256_C001	Height Error (Retracker 2), Backscatter	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_2_20171015T012542_20171015T013724_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20171015T015835_20171015T020335_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_220171015T020708_20171015T021152_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_220171015T021340_20171015T022323_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_220171015T023033_20171015T023348_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220171015T024101_20171015T024540_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_20171015T024550_20171015T031714_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_220171015T033729_20171015T040127_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_220171015T042023_20171015T043619_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_220171015T043622_20171015T043715_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20171015T043956_20171015T044846_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_220171015T051018_20171015T052559_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220171015T053219_20171015T054332_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_220171015T054945_20171015T055210_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220171015T055958_20171015T061343_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20171015T061523_20171015T062945_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_20171015T064852_20171015T065052_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_20171015T065215_20171015T065925_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_20171015T070048_20171015T070536_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_220171015T070803_20171015T072330_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_220171015T072730_20171015T073613_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
	Height Force (Betweeker 0) Height Force	
CS_OFFL_SIR_LRM_220171015T073944_20171015T080052_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_20171015T073944_20171015T080052_C001 CS_OFFL_SIR_LRM_2_20171015T081335_20171015T081435_C001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records
	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220171015T081335_20171015T081435_C001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20171015T081335_20171015T081435_C001 CS_OFFL_SIR_LRM_2_20171015T082925_20171015T090301_C001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20171015T081335_20171015T081435_C001 CS_OFFL_SIR_LRM_2_20171015T082925_20171015T090301_C001 CS_OFFL_SIR_LRM_2_20171015T091907_20171015T094218_C001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20171015T081335_20171015T081435_C001  CS_OFFL_SIR_LRM_2_20171015T082925_20171015T090301_C001  CS_OFFL_SIR_LRM_2_20171015T091907_20171015T094218_C001  CS_OFFL_SIR_LRM_2_20171015T095457_20171015T095624_C001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20171015T081335_20171015T081435_C001 CS_OFFL_SIR_LRM_2_20171015T082925_20171015T090301_C001 CS_OFFL_SIR_LRM_2_20171015T091907_20171015T094218_C001 CS_OFFL_SIR_LRM_2_20171015T095457_20171015T095624_C001 CS_OFFL_SIR_LRM_2_20171015T101140_20171015T102555_C001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records
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CS_OFFL_SIR_LRM_2_20171015T081335_20171015T081435_C001  CS_OFFL_SIR_LRM_2_20171015T082925_20171015T090301_C001  CS_OFFL_SIR_LRM_2_20171015T091907_20171015T094218_C001  CS_OFFL_SIR_LRM_2_20171015T095457_20171015T095624_C001  CS_OFFL_SIR_LRM_2_20171015T101140_20171015T102555_C001  CS_OFFL_SIR_LRM_2_20171015T103131_20171015T104046_C001  CS_OFFL_SIR_LRM_2_20171015T105816_20171015T111713_C001  CS_OFFL_SIR_LRM_2_20171015T111739_20171015T1112226_C001  CS_OFFL_SIR_LRM_2_20171015T111739_20171015T1113529_C001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records
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CS_OFFL_SIR_LRM_220171015T173512_20171015T174534_C001	Height Error (Retracker 2), Backscatter	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_220171015T175153_20171015T180801_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220171015T183901_20171015T183956_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_220171015T184323_20171015T185642_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_220171015T191307_20171015T194829_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_220171015T201321_20171015T203532_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_220171015T205138_20171015T211718_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_220171015T211727_20171015T211907_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_220171015T215128_20171015T221505_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_220171015T222344_20171015T222711_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220171015T224721_20171015T230456_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_220171015T233034_20171015T233729_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_SIN_220171015T004805_20171015T004930_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171015T005449_20171015T005755_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171015T014618_20171015T014644_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_220171015T022748_20171015T023033_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171015T023349_20171015T023723_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20171015T040827_20171015T041101_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20171015T041255_20171015T041534_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20171015T041734_20171015T041918_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171015T050331_20171015T050452_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171015T050905_20171015T051018_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171015T054359_20171015T054944_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171015T055210_20171015T055238_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171015T055702_20171015T055840_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171015T063801_20171015T063855_C001	SARIn X-track Angle Error, Surface	An ambiguous angle was detected for SARIn mode and no DEM or Slope
CS_OFFL_SIR_SIN_220171015T064302_20171015T064513_C001	Model Unavailable SARIn X-track Angle Error	Model was used for one or more records  An ambiguous angle was detected for SARIn mode for one or more
CS OFFL SIR SIN 2 20171015T072550 20171015T072729 C001	SARIn X-track Angle Error	records  An ambiguous angle was detected for SARIn mode for one or more records
CS OFFL SIR SIN 2 20171015T073613 20171015T073822 C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220171015T082215_20171015T082702_C001	SARIn X-track Angle Error, Surface	records An ambiguous angle was detected for SARIn mode and no DEM or Slope
CS OFFL SIR SIN 2 20171015T090525 20171015T090650 C001	Model Unavailable SARIn X-track Angle Error	Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more
CS OFFL SIR SIN 2 20171015T090836 20171015T090937 C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220171015T091406_20171015T091627_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220171015T104500_20171015T104853_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220171015T105444_20171015T105609_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS OFFL SIR SIN 2 20171015T113530 20171015T113550 C001	SARIn X-track Angle Error, Surface	records An ambiguous angle was detected for SARIn mode and no DEM or Slope
CS_OFFL_SIR_SIN_2_20171015T113556_20171015T113622_C001	Model Unavailable SARIn X-track Angle Error, Surface	Model was used for one or more records  An ambiguous angle was detected for SARIn mode and no DEM or Slope
CS_OFFL_SIR_SIN_2_20171015T122447_20171015T122759_C001	Model Unavailable SARIn X-track Angle Error	Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20171015T123424_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20171015T140223_20171015T140638_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20171015T141215_20171015T141339_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20171015T145146_20171015T145550_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20171015T154009_20171015T154138_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20171015T154959_20171015T155144_C001	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
CS_OFFL_SIR_SIN_2_20171015T162808_20171015T162934_C001  CS_OFFL_SIR_SIN_2_20171015T163352_20171015T163446_C001	SARIn X-track Angle Error SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_201710151163332_201710151163446_C001  CS_OFFL_SIR_SIN_2_20171015T171914_20171015T172056_C001	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
CS_OFFL_SIR_SIN_2_20171015T172628_20171015T172634_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20171015T172758_20171015T173018_C001  CS_OFFL_SIR_SIN_2_20171015T181148_20171015T181400_C001	SARIn X-track Angle Error SARIn X-track Angle Error, Surface	records An ambiguous angle was detected for SARIn mode and no DEM or Slope
00_011 E_0IN_0IN_2 _2017 I0101 101140_2017 I0101 101400_0001	Model Unavailable	Model was used for one or more records

CS_OFFL_SIR_SIN_2_20171015T185809_20171015T190010_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171015T190526_20171015T190532_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171015T190541_20171015T190548_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171015T190656_20171015T191129_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171015T195740_20171015T195813_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_220171015T203822_20171015T204053_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171015T204424_20171015T204430_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171015T204440_20171015T204445_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171015T204814_20171015T204957_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171015T221706_20171015T221836_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171015T222337_20171015T222344_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171015T222712_20171015T222847_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20171015T235719_20171015T235834_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	163	163	163	0	0
SIR_LRM_2	163	163	163	0	0
SIR_LRMI2_	163	163	163	0	0
SIR_SAR_1B	105	105	105	0	0
SIR_SAR_2	105	105	105	0	0
SIR_SARI2_	105	105	105	0	0
SIR_SIN_1B	107	107	107	0	0
SIR_SIN_2	107	107	107	0	0
SIR_SINI2	107	107	107	0	0
SIR_GDR_2	14	14	14	0	0

# 6.1 QCC Errors

Number of products with QCC errors:

# 6.2 QCC Warnings

Number of QCC reports with warnings

0

0

# 6.2 Missing QCC Reports

Number of products with missing QCC reports:

180