



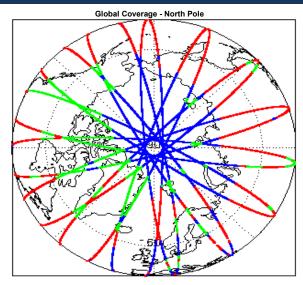
## 1. Overview

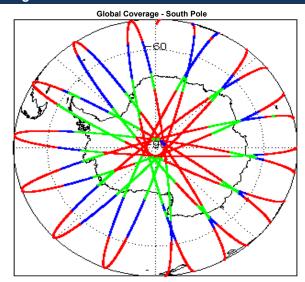
Report Production Date:	18-Dec-2017	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1B and L2 OFFLINE Data	

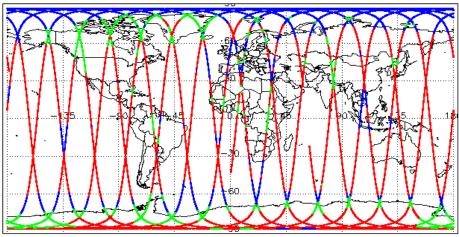
Oh I-	04-4
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary 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

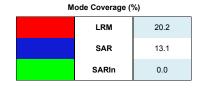
Mission / Instrument News			
16-Nov-2017	None		
17-Nov-2017	None		
18-Nov-2017	Nothing planned		

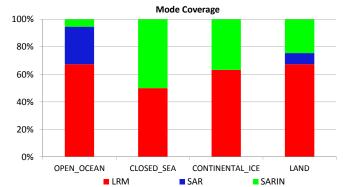
# 2. Global Coverage

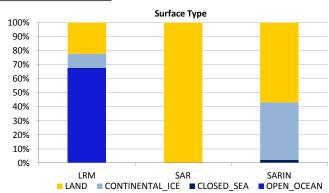












# 3. Instrument Configuration

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

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

### 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.

lumber 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: 108

Product	Test Failed	Description
		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_220171117T000632_20171117T000736_C001		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_220171117T001640_20171117T002128_C001		There is a height and backscatter error for Retracker 2 for one or more records

CS_OFFL_SIR_LRM_220171117T002854_20171117T003348_C001	Heigh Error
CS_OFFL_SIR_LRM_2_20171117T003621_20171117T004159_C001	Heigh (Retra
00_0112_011_21441_2201111111000021_201111111004100_0001	(Retra
CS_OFFL_SIR_LRM_220171117T004346_20171117T005359_C001	Error
CS_OFFL_SIR_LRM_220171117T011107_20171117T014516_C001	Heigh Error
CS_OFFL_SIR_LRM_220171117T020010_20171117T020700_C001	Heigh Error
CS_OFFL_SIR_LRM_220171117T020713_20171117T023131_C001	Heigh Error
CS_OFFL_SIR_LRM_220171117T025023_20171117T030627_C001	Heigh Error
CS_OFFL_SIR_LRM_220171117T030633_20171117T031842_C001	Heigh (Retra
00.000	(Retra
CS_OFFL_SIR_LRM_220171117T034023_20171117T035607_C001	Error Heigh
CS_OFFL_SIR_LRM_220171117T040449_20171117T041327_C001	Error
CS_OFFL_SIR_LRM_220171117T041945_201711117T042216_C001	Surfa Heigh
CS_OFFL_SIR_LRM_220171117T042933_20171117T044351_C001	(Retra
CS_OFFL_SIR_LRM_220171117T044531_20171117T044932_C001	Heigh Error
CC OFFI CID LDM 2 200474447T0F40F2 20474447T0F0404 C004	Heigh
CS_OFFL_SIR_LRM_220171117T051853_20171117T052101_C001	(Retra
CS_OFFL_SIR_LRM_220171117T052224_20171117T052934_C001	Heigh Error
CS_OFFL_SIR_LRM_220171117T053056_20171117T055358_C001	Heigh (Retra
CS OFFL SIR LRM 2 20171117T055727 20171117T060621 C001	(Retra
CS_OFFL_SIR_LRM_220171117T060917_20171117T063232_C001	Heigh
C3_011	Error Heigh
CS_OFFL_SIR_LRM_220171117T065933_20171117T073250_C001	(Retra
CS_OFFL_SIR_LRM_220171117T074855_20171117T075908_C001	Heigh Error
CS_OFFL_SIR_LRM_220171117T084119_20171117T085602_C001	Heigh Error
CS_OFFL_SIR_LRM_220171117T090136_20171117T091049_C001	Heigh Error
CS_OFFL_SIR_LRM_220171117T092812_20171117T094215_C001	Heigh Error
CS OFFL SIR LRM 2 20171117T094218 20171117T095247 C001	Heigh (Retra
00_011	(Retra
CS_OFFL_SIR_LRM_220171117T100358_20171117T100457_C001	Error
CS_OFFL_SIR_LRM_220171117T101728_20171117T105101_C001	Heigh (Retra (Retra
CS_OFFL_SIR_LRM_220171117T111430_20171117T112147_C001	Heigh Error
CS_OFFL_SIR_LRM_2_20171117T115556_20171117T120612_C001	Heigh
00.0051.010.100.004744477400057.004744477400000.0004	Error Heigh
CS_OFFL_SIR_LRM_220171117T120857_20171117T123009_C001	(Retra
CS_OFFL_SIR_LRM_220171117T124724_20171117T125728_C001	Heigh Error
CS_OFFL_SIR_LRM_220171117T125916_20171117T130634_C001	Heigh Error
CS_OFFL_SIR_LRM_220171117T130730_20171117T131136_C001	Heigh (Retra
	(Retra
CS_OFFL_SIR_LRM_220171117T132108_20171117T132113_C001	(Retra
CS_OFFL_SIR_LRM_220171117T133458_20171117T133702_C001	Heigh (Retra
	(Retra
CS_OFFL_SIR_LRM_220171117T133704_20171117T140911_C001	(Retra
CS_OFFL_SIR_LRM_220171117T141722_20171117T141954_C001	Surfa
CS_OFFL_SIR_LRM_220171117T142806_20171117T144036_C001	Heigh Error
CS_OFFL_SIR_LRM_220171117T144106_20171117T145826_C001	Heigh Error
CS_OFFL_SIR_LRM_220171117T151558_20171117T151642_C001	Heigh Error
CS_OFFL_SIR_LRM_220171117T151954_20171117T153130_C001	Heigh (Retra
	(Retra
CS_OFFL_SIR_LRM_220171117T153333_20171117T154838_C001	Error Heigh
CS_OFFL_SIR_LRM_220171117T160506_20171117T161604_C001	Error
CS_OFFL_SIR_LRM_220171117T162202_20171117T163823_C001	Heigh (Retra
CS_OFFL_SIR_LRM_2_20171117T174246_20171117T180847_C001	(Retra Heigh
-	Error

ht Error (Retracker 2), Height Error acker 3), Backscatter Error acker 2) ht Error (Retracker 2), Height Error racker 3), Backscatter Error racker 2) ace Model Unavailable ht Error (Retracker 2), Backscatter (Retracker 2) ht Error (Retracker 2), Backscatter (Retracker 2) ht Error (Retracker 2), Backscatter (Retracker 2) ht Error (Retracker 2), Height Error acker 3), Backscatter Error acker 2) ht Error (Retracker 2), Backscatter (Retracker 2) ht Error (Retracker 2), Backscatter (Retracker 2) ht Error (Retracker 2), Height Error acker 3), Backscatter Error acker 2) ht Error (Retracker 2), Backscatter (Retracker 2)

ht Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more (Retracker 2) ht Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error acker 3), Backscatter Error for Retracker 3 for one or more records acker 2) There is a height and backscatter error for Retracker 2 for one or more ht Error (Retracker 2), Backscatter (Retracker 2) records ht Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more (Retracker 2) records ht Error (Retracker 2) Backscatter There is a height and backscatter error for Retracker 2 for one or more (Retracker 2) records ht Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more (Retracker 2) records nt Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more (Retracker 2) records ht Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error acker 3), Backscatter Error for Retracker 3 for one or more records acker 2) ht Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more (Retracker 2) records ht Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more (Retracker 2) ace Model Unavailable No DEM or Slope Model was used for the location of one or more records ht Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error acker 3), Backscatter Error for Retracker 3 for one or more records acker 2) ht Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more (Retracker 2) records ht Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error acker 3), Backscatter Error for Retracker 3 for one or more records acker 2) ht Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more (Retracker 2) nt Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error acker 3), Backscatter Error for Retracker 3 for one or more records acker 2) ace Model Unavailable No DEM or Slope Model was used for the location of one or more records ht Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more (Retracker 2) ht Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error racker 3), Backscatter Error for Retracker 3 for one or more records acker 2) ht Error (Retracker 2), Backscatter r (Retracker 2) There is a height and backscatter error for Retracker 2 for one or more records ht Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more (Retracker 2) nt Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more (Retracker 2) records ht Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more (Retracker 2) records ht Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2, and a height error acker 3), Backscatter Error for Retracker 3 for one or more records acker 2) ht Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more (Retracker 2) nt Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error acker 3), Backscatter Error for Retracker 3 for one or more records acker 2) ht Error (Retracker 2), Backscatter (Retracker 2) records ht Error (Retracker 2), Backscatter (Retracker 2) records ht Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error acker 3), Backscatter Error for Retracker 3 for one or more records racker 2) ht Error (Retracker 2), Backscatter (Retracker 2) records ht Error (Retracker 2), Backscatter (Retracker 2) records ht Error (Retracker 2), Height Error acker 3), Backscatter Error for Retracker 3 for one or more records ht Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error racker 3), Backscatter Error for Retracker 3 for one or more records acker 2)

There is a height and backscatter error for Retracker 2 for one or more There is a height and backscatter error for Retracker 2 for one or more

There is a height and backscatter error for Retracker 2 for one or more

There is a height and backscatter error for Retracker 2 for one or more

There is a height and backscatter error for Retracker 2 and a height error

There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records

There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records

No DEM or Slope Model was used for the location of one or more records

There is a height and backscatter error for Retracker 2 for one or more records

There is a height and backscatter error for Retracker 2 for one or more records

There is a height and backscatter error for Retracker 2 for one or more records

There is a height and backscatter error for Retracker 2 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

ecords

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_220171117T184320_20171117T190429_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_220171117T191450_20171117T191817_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220171117T193817_20171117T194816_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_20171117T202113_20171117T204516_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_220171117T211730_20171117T213522_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_220171117T214736_20171117T215003_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_20171117T215959_20171117T220135_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_2_20171117T222842_20171117T223412_C001	Error (Retracker 2) Surface Model Unavailable	records  No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20171117T224130_20171117T231501_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_220171117T234635_20171118T000229_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_SIN_2_20171117T005755_20171117T010102_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20171117T010353_20171117T010734_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20171117T023831_20171117T024105_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20171117T024300_20171117T024521_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20171117T024752_20171117T024925_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20171117T033342_20171117T033501_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171117T033859_20171117T034023_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20171117T041327_20171117T041944_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220171117T042216_20171117T042240_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS OFFL SIR SIN 2 20171117T042706 20171117T042846 C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20171117T050823_20171117T050900_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_20171117T051316_20171117T051525_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_20171117T055553_20171117T055727_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20171117T060621_20171117T060821_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS OFFL SIR SIN 2 20171117T065229 20171117T065714 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 20171117T073528 20171117T073657 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_20171117T073837_20171117T073944_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20171117T074409_20171117T074638_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20171117T091507_20171117T091858_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS OFFL SIR SIN 2 20171117T092447 20171117T092612 C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20171117T100534_20171117T100632_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_20171117T105451_20171117T105804_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_20171117T110318_20171117T110431_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20171117T123213_20171117T123636_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20171117T124221_20171117T124341_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_2IN_2_20171117T132149_20171117T132600_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_20171117T141015_20171117T141135_C001  CS_OFFL_SIR_SIN_2_20171117T141954_20171117T142141_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_20171177141994_20171177142141_C001  CS_OFFL_SIR_SIN_2_20171117T145826_20171117T145954_C001	SARIN X-track Angle Error SARIN X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220171117T150107_201711117T150214_C001		records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20171117T150403_20171117T150505_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20171117T154920_20171117T155103_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20171117T155632_20171117T155639_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20171117T155800_20171117T160025_C001	SARIn X-track Angle Error SARIn X-track Angle Error, Surface	records  An ambiguous angle was detected for SARIn mode and no DEM or Slope
CS_OFFL_SIR_SIN_2_20171117T163823_20171117T164122_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_20171117T164157_20171117T164408_C001	Model Unavailable	Model was used for one or more records  An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20171117T172805_20171117T173024_C001	SARIn X-track Angle Error	records  An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220171117T173530_20171117T173536_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20171117T173702_20171117T174126_C001	SARIn X-track Angle Error SARIn X-track Angle Error, Surface	records  An ambiguous angle was detected for SARIn mode for one of more  An ambiguous angle was detected for SARIn mode and no DEM or Slope
CS_OFFL_SIR_SIN_220171117T182743_20171117T182817_C001	Model Unavailable	Model was used for one or more records

CS_OFFL_SIR_SIN_2_20171117T190822_20171117T191055_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171117T191427_20171117T191435_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171117T191444_20171117T191450_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20171117T191817_20171117T192000_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171117T204715_20171117T204844_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171117T205341_20171117T205349_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171117T205717_20171117T205855_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171117T214603_20171117T214626_C001	SARIn X-track Angle Error, Surface Model Unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_2_20171117T222723_20171117T222842_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20171117T223412_20171117T223730_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171117T232528_20171117T232615_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

# 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	172	172	172	0	0
SIR_LRM_2	171	171	171	0	0
SIR_LRMI2_	171	171	171	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	110	110	110	0	0
SIR_SIN_2	110	110	110	0	0
SIR_SINI2	110	110	110	0	0
SIR GDR 2	13	13	13	0	0

## 6.1 QCC Errors

Number of products with QCC errors:

0

## 6.2 QCC Warnings

Number of QCC reports with warnings

0

## 6.2 Missing QCC Reports

Number of products with missing QCC reports:

183