



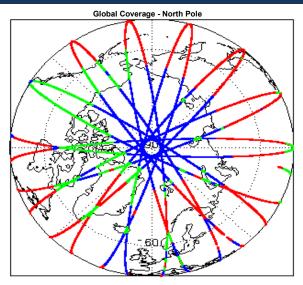
## 1. Overview

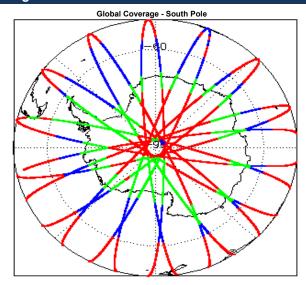
Report Production Date:	07-Sep-2017	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1B and L2 OFFLINE Data	

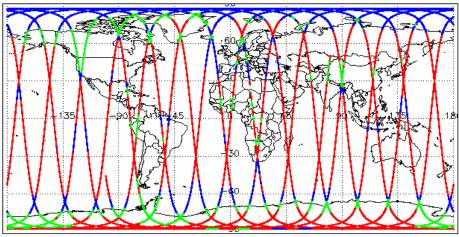
Check	Status	
Server check: science-pds.cryosat.esa.int	Nominal	
Server check: calval-pds.cryosat.esa.int	Nominal	
Product Software Check	Nominal	
Product Format Check	Nominal	
Product Header Analysis	See Section 4.2 and 5.2	
Star Tracker Usage Check	Nominal	
L1B Calibration Usage Check	Nominal	
L1B & L2 Auxiliary Data File Usage Check	Nominal	
L1B & L2 Auxiliary Correction Error Check	Nominal	
L1B & L2 Measurement Confidence Data Check	See Section 4.7 and 5.5	

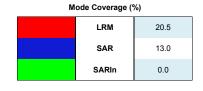
Mission / Instrument News			
07-Aug-2017	None		
08-Aug-2017	None		
09-Aug-2017	Nothing planned		

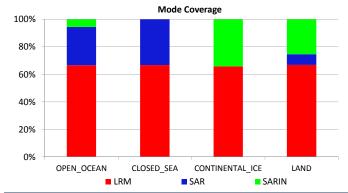
# 2. Global Coverage

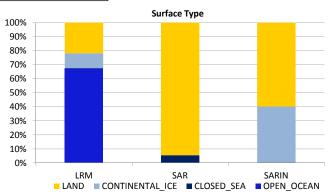












# 3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A

## 4. Level 1B Data Quality Check

#### 4.1 L1B Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a product file (.DBL).

Number of products with errors:

#### 4.2 L1B Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

Number of products with errors:

Product	Test Failed	
CS_OFFL_SIR_SAR_1B_20170808T144821_20170808T144823_C001	Percentage of processing errors detected greater than minimum acceptable threshold.	

#### 4.3 Star Tracker Usage Check

Each product is checked in order to ensure a valid star tracker file has been used in processing

Number of products with errors:

## 4.4 L1B Calibration Usage Check

Each product is checked in order to ensure that the necessary calibration files have been used in processing

Number of products with errors:

### 4.5 L1B Auxilary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors:

#### 4.6 L1B Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag (field 54) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

#### 4.7 L1B Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement record. The bit value of this flag indicates any problems when set

Currently, there are several common error flags raised in the Level 1B products which are expected due to operational mode or surface type. All common flags are summarised in the list below, followed by a table of any additional issues arising from this test.

Block Degraded Flag: This flag is currently set for a number of individual records generally at the start or end of products (all modes), but this is to be expected

Phase Perturbation Flag: This flag is currently set for all L1B SARIn products, indicating that the ADC correction application is deactivated, but this is in line with the current configuration.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20170808T095144_20170808T100555_C001	IECDO EFFOR TEK ECDO EFFOR	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20170808T160923_20170808T160949_C001	IECDO EFFOR LEK ECDO EFFOR	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

### 5. Level 2 Data Quality Check

### 5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a product file (.DBL).

Number of products with errors:

#### 5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

Number of products with errors:

Product	Test Failed	
CS_OFFL_SIR_SAR_220170808T144821_20170808T144823_C001	Percentage of processing errors detected greater than minimum acceptable threshold.	

#### 5.3 L2 Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors:

### 5.4 L2 Auxiliary Correction Error Check

CryoSat L2 data includes a correction error flag (field 30) for each measurement record. The bit value of this flag indicates any problems when set

Number of products with errors:

## 5.5 L2 Measurement Quality Flag Check

CryoSat L2 data includes a quality flag (field 50) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Currently, there are several common error flags raised in the Level 2 products which are expected due to operational mode or surface type. All common flags are summarised in the list below, followed by a table of any additional issues arising from this test.

Freeboard error: This flag is correctly set in all L2 SAR products that are not discriminated as sea-ice, and for which freeboard cannot be calculated.

Height and Backscatter errors: These flags are currently set for products over land, but this is to be expected. Retracker 1 Height and Backscatter error flags are also set for products over sea-ice, but this is to be expected.

Peakiness error: This flag is currently set for products over sea-ice, but this is to be expected.

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.

CS_OFFL_SIR_LRM_2_20170808T000457_20170808T002908_C001	Retracker 2), Backscatter (er 2) Retracker 2), Backscatter (er 2) Retracker 2), Backscatter (er 2) Retracker 2), Height Error (Backscatter Error)  Retracker 2), Backscatter (Error)  Retracker 2), Height Error (Backscatter Error)  Retracker 2), Height Error (Backscatter Error)  Retracker 2), Backscatter (Error)  Retracker 2), Backscatter (Error)  Retracker 2), Height Error (Backscatter Error)  Retracker 2), Height Error (Backscatter Error)  Retracker 2), Height Error (Backscatter Error)  Retracker 2), Backscatter (Backscatter Error)
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CS_OFFL_SIR_LRM_2_20170808T022513_20170808T023510_C001  (Retracker 3) (Retracker 2) CS_OFFL_SIR_LRM_2_20170808T023534_20170808T025821_C001  Error (Retracker 3) (Retracker	Backscatter Error  Inere is a height and backscatter error for Retracker 2 and a height error for Retracker 2, Backscatter error  Retracker 2), Backscatter error  Retracker 2), Height Error Backscatter Error  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 2 for one or more records  No DEM or Slope Model was used for the location of one or more records  Retracker 2), 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 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_20170808T023534_20170808T025821_C001         Height Error (Error (Retrack CS_OFFL_SIR_LRM_2_20170808T030949_20170808T031346_C001           CS_OFFL_SIR_LRM_2_20170808T030949_20170808T035716_C001         Surface Mode (Retracker 2) (Retracker 2) (Retracker 2) (Retracker 2)           CS_OFFL_SIR_LRM_2_20170808T040422_20170808T042524_C001         Height Error (Error (Retrack CS_OFFL_SIR_LRM_2_20170808T042810_20170808T043935_C001           CS_OFFL_SIR_LRM_2_20170808T042810_20170808T043935_C001         Height Error (Error (Retrack CS_OFFL_SIR_LRM_2_20170808T044945_20170808T045314_C001           CS_OFFL_SIR_LRM_2_20170808T044945_20170808T052606_C001         Height Error (Error (Retrack CS_OFFL_SIR_LRM_2_20170808T053119_20170808T053614_C001           CS_OFFL_SIR_LRM_2_20170808T053119_20170808T061553_C001         Height Error (Retrack CS_OFFL_SIR_LRM_2_20170808T061557_20170808T061929_C001           CS_OFFL_SIR_LRM_2_20170808T063001_20170808T063042_C001         Height Error (Error (Retrack CS_OFFL_SIR_LRM_2_20170808T063081_20170808T063042_C001           CS_OFFL_SIR_LRM_2_20170808T063839_20170808T070352_C001         Height Error (Error (Retrack CS_OFFL_SIR_LRM_2_20170808T0638839_20170808T073818_C001           CS_OFFL_SIR_LRM_2_20170808T063087_20170808T073818_C001         Height Error (Error (Retrack H	records Retracker 2), Height Error Backscatter Error 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 and a height error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  Retracker 2), 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_20170808T030949_20170808T031346_C001  (Retracker 3) (Retracker 2)  CS_OFFL_SIR_LRM_2_20170808T035152_20170808T035716_C001  CS_OFFL_SIR_LRM_2_20170808T040422_20170808T042524_C001  Height Error (Retracker 2)  CS_OFFL_SIR_LRM_2_20170808T042810_20170808T043935_C001  CS_OFFL_SIR_LRM_2_20170808T042845_20170808T045314_C001  CS_OFFL_SIR_LRM_2_20170808T044945_20170808T045314_C001  CS_OFFL_SIR_LRM_2_20170808T050924_20170808T052606_C001  CS_OFFL_SIR_LRM_2_20170808T053119_20170808T053614_C001  CS_OFFL_SIR_LRM_2_20170808T053119_20170808T053614_C001  CS_OFFL_SIR_LRM_2_20170808T054325_20170808T061553_C001  CS_OFFL_SIR_LRM_2_20170808T061557_20170808T061929_C001  CS_OFFL_SIR_LRM_2_20170808T063001_20170808T063042_C001  CS_OFFL_SIR_LRM_2_20170808T063839_20170808T070352_C001  CS_OFFL_SIR_LRM_2_20170808T063839_20170808T070352_C001  Height Error (Retracker 2)  Height Error (Retracker 2)  Height Error (Retracker 3)  CS_OFFL_SIR_LRM_2_20170808T063839_20170808T070352_C001  Height Error (Retracker 3)  Height Error (Retracker 3)  Height Error (Retracker 3)  CS_OFFL_SIR_LRM_2_20170808T063839_20170808T070352_C001  Height Error (Retracker 3)  Height Error (Retracker 3)  CS_OFFL_SIR_LRM_2_20170808T063839_20170808T073818_C001  Height Error (Retracker 3)	Backscatter Error Inere is a neight and backscatter error for Retracker 2 and a neight error for Retracker 2 for one or more records  There is a neight and backscatter error for Retracker 2 for one or more records  There is a neight and backscatter error for Retracker 2 for one or more records  There is a neight and backscatter error for Retracker 2 for one or more records  There is a neight and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20170808T035152_20170808T035716_C001  Surface Mode CS_OFFL_SIR_LRM_2_20170808T040422_20170808T042524_C001  Height Error (Retract CS_OFFL_SIR_LRM_2_20170808T042810_20170808T043935_C001  CS_OFFL_SIR_LRM_2_20170808T044945_20170808T045314_C001  CS_OFFL_SIR_LRM_2_20170808T050924_20170808T052606_C001  CS_OFFL_SIR_LRM_2_20170808T050924_20170808T052606_C001  CS_OFFL_SIR_LRM_2_20170808T053119_20170808T053614_C001  CS_OFFL_SIR_LRM_2_20170808T053119_20170808T053614_C001  CS_OFFL_SIR_LRM_2_20170808T054325_20170808T061553_C001  CS_OFFL_SIR_LRM_2_20170808T061557_20170808T061929_C001  CS_OFFL_SIR_LRM_2_20170808T063001_20170808T063042_C001  CS_OFFL_SIR_LRM_2_20170808T063001_20170808T063042_C001  CS_OFFL_SIR_LRM_2_20170808T063839_20170808T070352_C001  Height Error (Retract CS_OFFL_SIR_LRM_2_20170808T063839_20170808T070352_C001  Height Error (Retract CS_OFFL_SIR_LRM_2_20170808T063839_20170808T073818_C001  Height Error (Retract CS_OFFL_SIR_LRM_2_20170808T072307_20170808T073818_C001  Height Error (Retract CS_OFFL_SIR_LRM_2_20170808T072307_20170808T073818_C001	Retracker 2), Backscatter (er 2) 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_20170808T042810_20170808T043935_C001	records Retracker 2), Backscatter 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_20170808T042810_20170808T043935_C001  Height Error (Retract CS_OFFL_SIR_LRM_2_20170808T0494945_20170808T045314_C001  CS_OFFL_SIR_LRM_2_20170808T050924_20170808T052606_C001  CS_OFFL_SIR_LRM_2_20170808T053119_20170808T053614_C001  CS_OFFL_SIR_LRM_2_20170808T053119_20170808T053614_C001  CS_OFFL_SIR_LRM_2_20170808T054325_20170808T061553_C001  CS_OFFL_SIR_LRM_2_20170808T061557_20170808T061929_C001  CS_OFFL_SIR_LRM_2_20170808T063001_20170808T063042_C001  CS_OFFL_SIR_LRM_2_20170808T0630301_20170808T063042_C001  CS_OFFL_SIR_LRM_2_20170808T063839_20170808T070352_C001  CS_OFFL_SIR_LRM_2_20170808T063839_20170808T073818_C001  Height Error (Retract Height Error (Retrac	Retracker 2), Backscatter ker 2)  Retracker 2), Backscatter 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_20170808T044945_20170808T045314_C001	Retracker 2), Backscatter free is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20170808T050924_20170808T052606_C001	
CS_OFFL_SIR_LRM_2_20170808T053119_20170808T053614_C001  Surface Mode  CS_OFFL_SIR_LRM_2_20170808T054325_20170808T061553_C001  CS_OFFL_SIR_LRM_2_20170808T061557_20170808T061929_C001  CS_OFFL_SIR_LRM_2_20170808T063001_20170808T063042_C001  CS_OFFL_SIR_LRM_2_20170808T063839_20170808T070352_C001  Height Error (Retract CS_OFFL_SIR_LRM_2_20170808T063839_20170808T070352_C001  CS_OFFL_SIR_LRM_2_20170808T072307_20170808T073818_C001  Height Error (Retract CS_OFFL_SIR_LRM_2_20170808T072307_20170808T073818_C001  Height Error (Retract CS_OFFL_SIR_LRM_2_20170808T072307_20170808T073818_C001  Height Error (Retract CS_OFFL_SIR_LRM_2_20170808T072307_20170808T073818_C001  Height Error (Retract CS_OFFL_SIR_LRM_2_20170808T072307_20170808T073818_C001	,
Height Error (Retracker 2)	·
CS_OFFL_SIR_LRM_2_20170808T061557_20170808T061929_C001	Retracker 2), Height Error Backscatter Error There is a height and backscatter error for Retracker 2 and a height erro for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20170808T063001_20170808T063042_C001	Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20170808T063839_20170808T070352_C001	Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_2_20170808T072307_20170808T073818_C001	Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more
Height Error (	Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more
(Retracker 2)	Retracker 2), Height Error Backscatter Error
Height Error (	Retracker 2), Height Error Backscatter Error There is a height and backscatter error for Retracker 2 and a height erro for Retracker 3 for one or more records
, ,	Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records
	Retracker 2), Height Error Backscatter Error There is a height and backscatter error for Retracker 2 and a height erro for Retracker 3 for one or more records
	Retracker 2), Height Error Backscatter Error
	Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records
Height Error (	Retracker 2), Height Error Backscatter Error  There is a height and backscatter error for Retracker 2 and a height erro for Retracker 3 for one or more records
Height Error (	Retracker 2), Height Error Backscatter Error There is a height and backscatter error for Retracker 2 and a height erro for Retracker 3 for one or more records
, ,	Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records
Height Error (	Retracker 2), Height Error Backscatter Error There is a height and backscatter error for Retracker 2 and a height erro for Retracker 3 for one or more records
, ,	Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records
·	Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more
Elloi (Retiaci	Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more
Elloi (Retiaci	records  l Unavailable  No DEM or Slope Model was used for the location of one or more records
	Retracker 2), Height Error Backscatter Error There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
, ,	Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records
Error (Retract	Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_2_20170808T140030_20170808T142746_C001	Retracker 2), Height Error  Backscatter Error  There is a height and backscatter error for Retracker 2 and a height erro for Retracker 3 for one or more records
	Retracker 2), Height Error Backscatter Error There is a height and backscatter error for Retracker 2 and a height erro for Retracker 3 for one or more records
CS OFFI SIR LRM 2 20170808T145007 20170808T152256 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_20170808T161339_20170808T161737_C001	xer 2) records

	Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 and a height error
CS_OFFL_SIR_LRM_220170808T162912_20170808T163829_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220170808T164114_20170808T170227_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_220170808T172001_20170808T172947_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_220170808T173135_20170808T173737_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_220170808T173934_20170808T174409_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_220170808T175424_20170808T175431_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_220170808T180611_20170808T184109_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_220170808T190026_20170808T193152_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_20170808T194428_20170808T195909_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_220170808T200233_20170808T200446_C001	Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	records There is a height and backscatter error for Retracker 2 and a height error
CS_OFFL_SIR_LRM_220170808T200449_20170808T202039_C001	(Retracker 2) Height Error (Retracker 2), Backscatter	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_220170808T203811_20170808T204828_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_LRW_22017/00061203611_2017/00061204626_C001	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_220170808T205421_20170808T211021_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220170808T213353_20170808T214408_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_220170808T214548_20170808T215922_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_220170808T221936_20170808T223045_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_220170808T223208_20170808T223759_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_220170808T224043_20170808T225012_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_220170808T225041_20170808T225055_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_220170808T231648_20170808T233736_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_20170808T003118_20170808T003341_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T003734_20170808T003739_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T004121_20170808T004241_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T013118_20170808T013137_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_220170808T021038_20170808T021201_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T021648_20170808T021653_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T022024_20170808T022148_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T035027_20170808T035152_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T035717_20170808T040027_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T044840_20170808T044900_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_220170808T053004_20170808T053118_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T053615_20170808T053938_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T063145_20170808T063227_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_220170808T071051_20170808T071326_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170808T071520_20170808T072146_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170808T080605_20170808T080725_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170808T081027_20170808T081231_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170808T084609_20170808T085218_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170808T085432_20170808T085513_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T085932_20170808T090108_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T094554_20170808T094633_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T094701_20170808T094744_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T102819_20170808T103009_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T103836_20170808T104023_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T112438_20170808T112641_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_220170808T120752_20170808T120911_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T121108_20170808T121156_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T121649_20170808T121906_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records

CS_OFFL_SIR_SIN_2_20170808T125729_20170808T125809_C001	SARIn X-track Angle Error, Surface	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
CS_OFFL_SIR_SIN_220170808T134718_20170808T134838_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20170808T134909_20170808T135117_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T135716_20170808T135844_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T152708_20170808T153025_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T153547_20170808T153705_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T170557_20170808T170917_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T171441_20170808T171605_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T175246_20170808T175323_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_220170808T175522_20170808T175744_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T175747_20170808T175820_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T184230_20170808T184423_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T185256_20170808T185432_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T193153_20170808T193302_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T193620_20170808T193720_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T202135_20170808T202314_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T202855_20170808T202901_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T203030_20170808T203239_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T211022_20170808T211252_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T211419_20170808T211513_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T211522_20170808T211634_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_220170808T220047_20170808T220233_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T220808_20170808T220814_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T220917_20170808T221611_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T234025_20170808T234311_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T234651_20170808T234657_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170808T235016_20170808T235217_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	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR_LRM_1B	136	136	136	0	0
SIR_LRM_2	134	134	134	0	0
SIR_LRMI2_	134	134	134	0	0
SIR_SAR_1B	102	102	102	0	0
SIR_SAR_2	102	102	102	0	0
SIR_SARI2_	102	102	102	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

## 6.2 Missing QCC Reports

Number of products with missing QCC reports:

179

0

0