



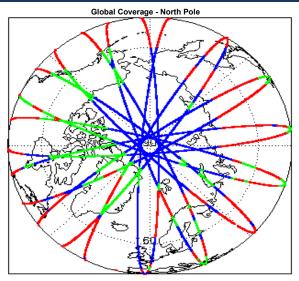
1. Overview

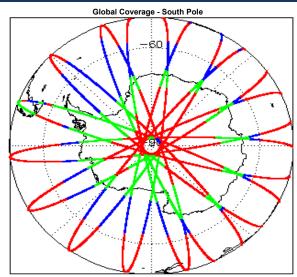
Report Production Date:	e: 10-Jan-2018	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1B and L2 OFFLINE Data	

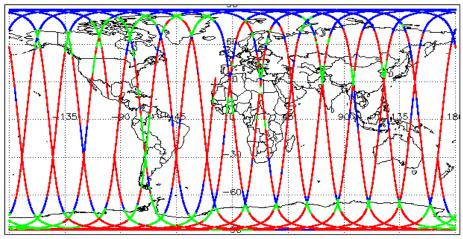
Check	Status		
Server check: science-pds.cryosat.esa.int	Nominal		
Server check: calval-pds.cryosat.esa.int	Nominal		
Product Software Check	Nominal		
Product Format Check	Nominal		
Product Header Analysis	See Section 4.2 and 5.2		
Star Tracker Usage Check	Nominal		
L1B Calibration Usage Check	Nominal		
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		

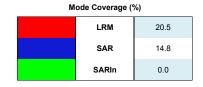
Mission / Insti	rument News
10-Dec-2017	None
11-Dec-2017	None
12-Dec-2017	Nothing planned

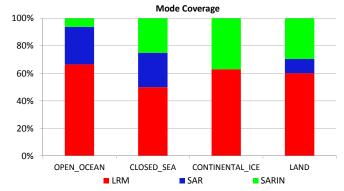
2. Global Coverage

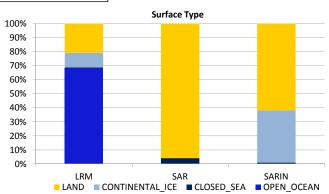












3. Instrument Configuration

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:

Product	Test Failed
CS_OFFL_SIR_SAR_1B_20171211T144305_20171211T144307_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:

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_220171211T144305_20171211T144307_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.

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:

105

Product	Test Failed	Description
CS_OFFL_SIR_LRM_2_20171211T000008_20171211T000428_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_20171211T000524_20171211T002301_C001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20171211T003234_20171211T003434_C001	(Retracker 2) Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20171211T004148_20171211T005950_C001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20171211T010337_20171211T011158_C001	(Retracker 2) 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_220171211T013035_20171211T014830_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_20171211T014949_20171211T020342_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_20171211T022044_20171211T023605_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_20171211T023807_20171211T024730_C001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20171211T031018_20171211T031145_C001	(Retracker 2) 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_20171211T031316_20171211T032633_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_20171211T034950_20171211T035748_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220171211T040028_20171211T041511_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_20171211T045237_20171211T050141_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_220171211T050144_20171211T052517_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_220171211T052822_20171211T053032_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220171211T053057_20171211T053635_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220171211T054005_20171211T060428_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_20171211T063558_20171211T063814_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_220171211T063823_20171211T064729_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_220171211T065306_20171211T070319_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_220171211T071849_20171211T074647_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_220171211T075428_20171211T075629_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_220171211T081016_20171211T084231_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_220171211T093411_20171211T093630_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_220171211T094906_20171211T102222_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_220171211T103837_20171211T105541_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_220171211T112716_20171211T120057_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_220171211T120901_20171211T121259_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220171211T121745_20171211T124402_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_220171211T130709_20171211T131819_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_220171211T132301_20171211T132423_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_20171211T132454_20171211T134024_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_20171211T141335_20171211T142700_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_220171211T145253_20171211T150320_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_20171211T150459_20171211T151909_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_20171211T154451_20171211T154712_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_20171211T155433_20171211T155712_C001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20171211T155835_20171211T160511_C001	(Retracker 2) 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_20171211T163654_20171211T163932_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_20171211T164132_20171211T165804_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_20171211T171244_20171211T172340_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_20171211T181255_20171211T183745_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_220171211T184529_20171211T184854_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220171211T185236_20171211T190325_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
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Comparation	CS_OFFL_SIR_LRM_220171211T190901_20171211T192425_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
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Soft Confession and the confession of the confes	CS_OFFL_SIR_SIN_220171211T002952_20171211T003233_C001	SARIn X-track Angle Error	records
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SARIN X-rask Angle Error CS_OFFL_SR_SNL2_2017121170434_20171211704935_C001 SARIN X-rask Angle Error SARIN X-rask Angle	CS_OFFL_SIR_SIN_220171211T030429_20171211T030538_C001	SARIn X-track Angle Error	records
SARIA Krisck Angle Error SARIA Krisck Angle	CS_OFFL_SIR_SIN_220171211T030650_20171211T030746_C001	SARIn X-track Angle Error	
SARIN X-track Angle Error SARIN X-track Angl	CS_OFFL_SIR_SIN_220171211T034634_20171211T034950_C001	SARIn X-track Angle Error	
SOFFL_SIR_SIN_2_20171211105333_20171211105335_C001 SARIN X-track Angle Error SARIN X-track Angl	CS_OFFL_SIR_SIN_220171211T035748_20171211T035937_C001	SARIn X-track Angle Error	
SARIN X-track Angle Error SO (FFL SIR, SIN 2_2017/2111063932_2017/2111063985_2017/21111063985_2017/2111063985_2017/2111063985_2017/2111063985_	CS_OFFL_SIR_SIN_220171211T044347_20171211T044936_C001		
SARIN X-track Angle Error SARIN X-track Angle E	CS_OFFL_SIR_SIN_220171211T052633_20171211T052822_C001	SARIn X-track Angle Error	
SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle wa	CS_OFFL_SIR_SIN_220171211T053032_20171211T053056_C001	SARIn X-track Angle Error	
Mode Unavailable	CS_OFFL_SIR_SIN_220171211T053636_20171211T053858_C001	ŭ	records
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CS_OFFL_SIR_SIN_2_20171211107083, 201712117071031_C001 SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records CS_OFFL_SIR_SIN_2_201712111120525_2017121111120526_20101 SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected f	CS_OFFL_SIR_SIN_220171211T061835_20171211T061908_C001		Model was used for one or more records
SARIN X-track Angle Error SARIN Z-20171211T071506_2017121T17071506_2017121T17071602_2011 SARIN X-track Angle Error SARIN X	CS_OFFL_SIR_SIN_2_20171211T070603_20171211T070743_C001	SARIn X-track Angle Error	records
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SARIN X-track Angle Error ecords An ambiguous angle was detected for SARin mode for one or more records CS_OFFL_SIR_SIN_2_20171211T085515_20171211T1085631_C001 SARIN X-track Angle Error An ambiguous angle was detected for SARin mode for one or more records CS_OFFL_SIR_SIN_2_20171211T10357_20171211T103522_C001 SARIN X-track Angle Error An ambiguous angle was detected for SARin mode for one or more records CS_OFFL_SIR_SIN_2_20171211T110357_20171211T1103522_C001 SARIN X-track Angle Error An ambiguous angle was detected for SARin mode for one or more records CS_OFFL_SIR_SIN_2_20171211T1110357_2017121T111727_C001 SARIN X-track Angle Error An ambiguous angle was detected for SARin mode for one or more records CS_OFFL_SIR_SIN_2_20171211T1120235_2017121T1112056_C001 SARIN X-track Angle Error An ambiguous angle was detected for SARin mode for one or more records CS_OFFL_SIR_SIN_2_2017121T1120235_2017121T112056_C001 SARIN X-track Angle Error An ambiguous angle was detected for SARin mode for one or more records An ambiguous angle was detected for SARin mode for one or more records An ambiguous angle was detected for SARin mode for one or more records An ambiguous angle was detected for SARin mode for one or more records An ambiguous angle was detected for SARin mode for one or more records An ambiguous angle was detected for SARin mode for one or more records An ambiguous angle was detected for SARin mode for one or more records An ambiguous angle was detected for SARin mode for one or more records An ambiguous angle was detected for SARin mode for one or more records An ambiguous angle was detected for SARin mode for one or more records An ambiguous angle was detected for SARin mode for one or more records An ambiguous angle was detected for SARin mode for one or more records An ambiguous angle was detected for SARin mode for one or more records An ambiguous angle was detected for SARin mode for one or more records An ambiguous angle was detected for SARin mode for one or more records An ambiguous angle was detected for	CS_OFFL_SIR_SIN_2_20171211T071506_20171211T071612_C001	SARIn X-track Angle Error	records
SARIN X-track Angle Error An ambiguous angle was detected for SARIN mode for one or more records An ambiguous angle was detected for SARIN mode for one or	CS_OFFL_SIR_SIN_2_20171211T071626_20171211T071748_C001	SARIn X-track Angle Error	records
SARIN X-track Angle Error records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error, Surface Model Unavailable Model Unavailable SARIN X-track Angle Error, Surface Model Was used for on	CS_OFFL_SIR_SIN_2_20171211T084607_20171211T084941_C001	SARIn X-track Angle Error	records
SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detecte	CS_OFFL_SIR_SIN_2_20171211T085515_20171211T085631_C001	SARIn X-track Angle Error	records
SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode f	CS_OFFL_SIR_SIN_2_20171211T102524_20171211T102844_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20171211T1120235_20171211T1120266_C001 SARIN X-track Angle Error An ambiguous angl	CS_OFFL_SIR_SIN_220171211T103357_20171211T103522_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20171211T12592_0171211T12553_C001 CS_OFFL_SIR_SIN_2_20171211T12552_20171211T125253_C001 CS_OFFL_SIR_SIN_2_20171211T125527_20171211T125253_C001 CS_OFFL_SIR_SIN_2_20171211T125527_20171211T125253_C001 CS_OFFL_SIR_SIN_2_20171211T135527_20171211T13637_C001 CS_OFFL_SIR_SIN_2_20171211T134043_20171211T134223_C001 CS_OFFL_SIR_SIN_2_20171211T134043_20171211T134223_C001 CS_OFFL_SIR_SIN_2_20171211T134043_20171211T135153_C001 CS_OFFL_SIR_SIN_2_20171211T135001_20171211T135153_C001 CS_OFFL_SIR_SIN_2_20171211T143330_20171211T143551_C001 CS_OFFL_SIR_SIN_2_20171211T152001_20171211T135132_C001 CS_OFFL_SIR_SIN_2_20171211T152001_20171211T152148_C001 CS_OFFL_SIR_SIN_2_20171211T152832_20171211T153524_C001 CS_OFFL_SIR_SIN_2_20171211T161001_20171211T161432_C001 CS_OFFL_SIR_SIN_2_20171211T165904_20171211T161432_C001 CS_OFFL_SIR_SIN_2_20171211T165904_20171211T170553_C001 CS_OFFL_SIR_SIN_2_20171211T170609_20171211T170615_C001 CS_OFFL_SIR_SIN_2_20171211T170609_20171211T170615_C001 CS_OFFL_SIR_SIN_2_20171211T170609_20171211T170615_C001 CS_OFFL_SIR_SIN_2_20171211T170816_201211T1717120_C001 CS_OFFL_SIR_SIN_2_20171211T170816_201211T1717120_C001	CS_OFFL_SIR_SIN_2_20171211T111609_20171211T111727_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20171211T125152_20171211T125253_C001 SARIN X-track Angle Error SARIN X-track Angle	CS_OFFL_SIR_SIN_220171211T120235_20171211T120526_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20171211T125527_20171211T12537_C001 SARIN X-track Angle Error SARIN X-track Angle Error, Surface Model Was used for one or more records CS_OFFL_SIR_SIN_2_20171211T152012_20171211T152148_C001 SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records	CS_OFFL_SIR_SIN_220171211T121259_20171211T121407_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20171211T134043_20171211T134223_C001 CS_OFFL_SIR_SIN_2_20171211T134043_20171211T134223_C001 CS_OFFL_SIR_SIN_2_20171211T135001_20171211T135153_C001 CS_OFFL_SIR_SIN_2_20171211T135001_20171211T135153_C001 CS_OFFL_SIR_SIN_2_20171211T143330_20171211T143551_C001 CS_OFFL_SIR_SIN_2_20171211T152001_20171211T152148_C001 CS_OFFL_SIR_SIN_2_20171211T152001_20171211T152148_C001 CS_OFFL_SIR_SIN_2_20171211T152832_20171211T153524_C001 CS_OFFL_SIR_SIN_2_20171211T152832_20171211T153524_C001 CS_OFFL_SIR_SIN_2_20171211T161001_20171211T161432_C001 CS_OFFL_SIR_SIN_2_20171211T161001_20171211T161432_C001 CS_OFFL_SIR_SIN_2_20171211T165904_20171211T170153_C001 CS_OFFL_SIR_SIN_2_20171211T165904_20171211T170153_C001 CS_OFFL_SIR_SIN_2_20171211T170609_20171211T170615_C001	CS_OFFL_SIR_SIN_220171211T125152_20171211T125253_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20171211T134043_20171211T134253_C001 CS_OFFL_SIR_SIN_2_20171211T135001_20171211T135153_C001 CS_OFFL_SIR_SIN_2_20171211T143330_20171211T143551_C001 CS_OFFL_SIR_SIN_2_20171211T152001_20171211T152148_C001 CS_OFFL_SIR_SIN_2_20171211T152832_20171211T152544_C001 CS_OFFL_SIR_SIN_2_20171211T152832_20171211T15354_C001 CS_OFFL_SIR_SIN_2_20171211T161001_20171211T161432_C001 CS_OFFL_SIR_SIN_2_20171211T161001_20171211T161432_C001 CS_OFFL_SIR_SIN_2_20171211T165904_20171211T170615_C001 CS_OFFL_SIR_SIN_2_20171211T170609_20171211T170615_C001 CS_OFFL_SIR_SIN_2_20171211T170609_20171211T170615_C001 CS_OFFL_SIR_SIN_2_20171211T170616_20171211T170615_C001 CS_OFFL_SIR_SIN_2_20171211T170616_2017121T170615_C001 CS_OFFL_SIR_SIN_2_20171211T170616_2017121T170615_C001	CS_OFFL_SIR_SIN_220171211T125527_20171211T125637_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20171211T143300_20171211T143515_C001 CS_OFFL_SIR_SIN_2_20171211T152001_20171211T152148_C001 CS_OFFL_SIR_SIN_2_20171211T152001_20171211T152148_C001 CS_OFFL_SIR_SIN_2_20171211T152001_20171211T152148_C001 CS_OFFL_SIR_SIN_2_20171211T152001_20171211T152148_C001 SARIN X-track Angle Error SARIN X-track Angle Error, Surface Model was used for one or more o	CS_OFFL_SIR_SIN_220171211T134043_20171211T134223_C001	SARIn X-track Angle Error	records
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CS_OFFL_SIR_SIN_2_20171211T15204_2001 CS_OFFL_SIR_SIN_2_20171211T15282_2017 CS_OFFL_SIR_SIN_2_20171211T161001_20171211T161432_C001 CS_OFFL_SIR_SIN_2_20171211T165904_20171211T170153_C001 CS_OFFL_SIR_SIN_2_20171211T165904_20171211T170153_C001 CS_OFFL_SIR_SIN_2_20171211T170609_20171211T170615_C001 CS_OFFL_SIR_SIN_2_20171211T170609_20171211T170615_C001 SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records	CS_OFFL_SIR_SIN_220171211T143330_20171211T143551_C001		Model was used for one or more records
CS_OFFL_SIR_SIN_2_20171211T152832_20171211T153524_C001 CS_OFFL_SIR_SIN_2_20171211T161001_20171211T161432_C001 CS_OFFL_SIR_SIN_2_20171211T165904_20171211T170153_C001 CS_OFFL_SIR_SIN_2_20171211T170609_20171211T170615_C001 CS_OFFL_SIR_SIN_2_20171211T170609_20171211T170615_C001 CS_OFFL_SIR_SIN_2_20171211T170609_20171211T170615_C001 SARIN X-track Angle Error	CS_OFFL_SIR_SIN_2_20171211T152001_20171211T152148_C001	SARIn X-track Angle Error	records
Model Unavailable Model Was used for one or more records An ambiguous angle was detected for SARIn mode for one or more records CS_OFFL_SIR_SIN_2_20171211T170609_20171211T170615_C001 SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records	CS_OFFL_SIR_SIN_220171211T152832_20171211T153524_C001		records
CS_OFFL_SIR_SIN_2_20171211T170609_20171211T170615_C001 CS_OFFL_SIR_SIN_2_20171211T170609_20171211T170615_C001 SARIN X-track Angle Error	CS_OFFL_SIR_SIN_220171211T161001_20171211T161432_C001		Model was used for one or more records
CS_OFFL_SIR_SIN_2_20171211170609_201712111170615_C001 SARIM A-track Angle Error CS_OFFL_SIR_SIN_2_201712111170816_20171211171120_C001 SARIM X-track Angle Error SARIM X-track Angle Error SARIM X-track Angle Error	CS_OFFL_SIR_SIN_220171211T165904_20171211T170153_C001	SARIn X-track Angle Error	records
US OFFI SIR SIN 2 2017/271117/0816 2017/271117/1120 CD01 ISARID X-TRZCK ADDIE FITOT 1 3 3	CS_OFFL_SIR_SIN_2_20171211T170609_20171211T170615_C001	SARIn X-track Angle Error	records
	CS_OFFL_SIR_SIN_2_20171211T170816_20171211T171120_C001	SARIn X-track Angle Error	

CS_OFFL_SIR_SIN_2_20171211T183845_20171211T183959_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171211T184855_20171211T185013_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171211T193903_20171211T194033_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_220171211T201829_20171211T201952_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171211T202802_20171211T202914_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171211T215805_20171211T215930_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171211T220449_20171211T220756_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171211T225622_20171211T225642_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_220171211T233749_20171211T234043_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171211T234349_20171211T234726_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	159	159	159	0	0
SIR_LRM_2	158	158	158	0	0
SIR_LRMI2_	158	158	158	0	0
SIR_SAR_1B	108	108	108	0	0
SIR_SAR_2	108	108	108	0	0
SIR_SARI2_	108	108	108	0	0
SIR_SIN_1B	101	101	101	0	0
SIR_SIN_2	101	101	101	0	0
SIR_SINI2	101	101	101	0	0
SIR_GDR_2	14	14	14	0	0

6.1 QCC Errors

Number of products with QCC errors:

0

6.2 QCC Warnings

Number of QCC reports with warnings

0

6.2 Missing QCC Reports

Number of products with missing QCC reports:

172