



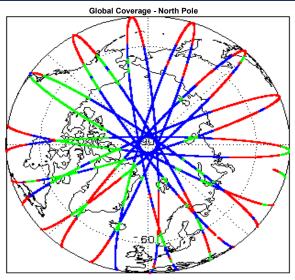
1. Overview

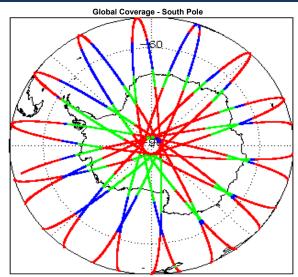
Report Production Date: 15-Jan-2019		
Processor Used:	CryoSat Ice Processor	
Data Used:	L1B and L2 OFFLINE Data	

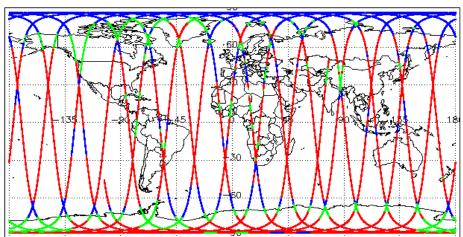
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	Nominal
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary Data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

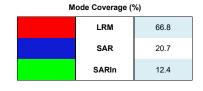
Mission / Instr	ument News
08-Dec-2018	None
09-Dec-2018	None
10-Dec-2018	Nothing planned

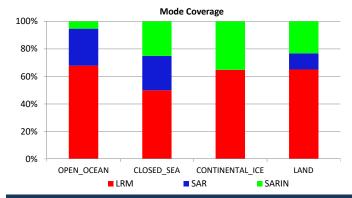
2. Global Coverage

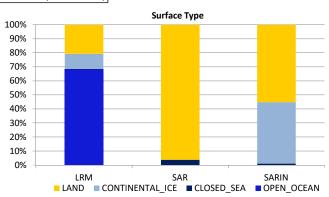












3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A
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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_20181209T075344_20181209T075345_C001.DBL	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_20181209T054302_20181209T054824_C001	Echo error, TRK echo error	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: 0

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:

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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:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220181209T000437_20181209T003016_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_220181209T003758_20181209T004123_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220181209T004453_20181209T005551_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_20181209T010125_20181209T011119_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_220181209T011148_20181209T011617_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_220181209T013958_20181209T020905_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_220181209T021656_20181209T022028_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20181209T022516_20181209T025810_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_220181209T031056_20181209T031305_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_220181209T035157_20181209T035718_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220181209T040352_20181209T042524_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_220181209T042810_20181209T043749_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_220181209T044926_20181209T045333_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_220181209T050932_20181209T051420_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_220181209T051607_20181209T052631_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_220181209T053211_20181209T053617_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220181209T054302_20181209T054824_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_220181209T054834_20181209T061541_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_220181209T063346_20181209T070356_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_220181209T072218_20181209T073943_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_220181209T074423_20181209T075128_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_220181209T081253_20181209T082827_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_220181209T083447_20181209T084549_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_220181209T090144_20181209T091612_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_220181209T091751_20181209T093222_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_220181209T095547_20181209T100154_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_220181209T100317_20181209T100728_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_20181209T101124_20181209T102658_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_20181209T103005_20181209T103840_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records

CS_OFFL_SIR_LRM_220181209T104108_20181209T110339_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_220181209T112930_20181209T113016_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_220181209T114116_20181209T120545_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_220181209T122024_20181209T124912_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_220181209T131827_20181209T132822_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_220181209T133400_20181209T134343_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_220181209T135944_20181209T142632_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_220181209T143507_20181209T143552_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_220181209T144949_20181209T152336_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_220181209T154224_20181209T154414_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_220181209T162923_20181209T163830_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_220181209T164116_20181209T170300_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_220181209T171935_20181209T172948_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_20181209T173136_20181209T173749_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_220181209T180844_20181209T184200_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_220181209T190027_20181209T193054_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_220181209T195036_20181209T200406_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_220181209T200551_20181209T202110_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_220181209T203754_20181209T204803_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_220181209T205422_20181209T210638_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_220181209T212803_20181209T213955_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_20181209T214129_20181209T214411_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_220181209T214551_20181209T220006_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_220181209T221427_20181209T223758_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_220181209T223857_20181209T224742_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_220181209T231712_20181209T233921_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_220181209T235337_20181210T002207_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_220181209T003118_20181209T003234_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220181209T003752_20181209T003758_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220181209T004123_20181209T004239_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220181209T013119_20181209T013156_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_220181209T021051_20181209T021214_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220181209T021653_20181209T021655_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220181209T022028_20181209T022144_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220181209T032012_20181209T032219_C001	Height error (Retracker 1)	There is a height error for Retracker 1 for one or more records	

		An ambiguous angle was detected for SARIn mode for one or more	
CS_OFFL_SIR_SIN_220181209T035031_20181209T035157_C001	SARIn X-track Angle Error	records	
CS_OFFL_SIR_SIN_220181209T035719_20181209T040027_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220181209T044843_20181209T044917_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_20181209T053013_20181209T053211_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220181209T053618_20181209T053947_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220181209T071055_20181209T071330_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220181209T071523_20181209T071828_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_2_20181209T071952_20181209T072148_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220181209T080601_20181209T080722_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220181209T081051_20181209T081252_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_2_20181209T084622_20181209T085217_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_220181209T085437_20181209T085511_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220181209T085932_20181209T090110_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220181209T094024_20181209T094122_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_220181209T094527_20181209T094739_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220181209T102821_20181209T103005_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220181209T103840_20181209T104038_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220181209T112440_20181209T112930_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_20181209T120755_20181209T120917_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220181209T121108_20181209T121204_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220181209T121641_20181209T121858_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_2_20181209T125923_20181209T125944_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_20181209T134726_20181209T134846_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_2_20181209T134856_20181209T135121_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_2_20181209T135715_20181209T135842_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_2_20181209T143824_20181209T143850_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_220181209T152716_20181209T153028_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_2_20181209T153546_20181209T153700_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220181209T170508_20181209T170914_C002	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_2_20181209T171444_20181209T171608_C002	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220181209T175235_20181209T175319_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_220181209T175456_20181209T175819_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220181209T184235_20181209T184416_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220181209T185240_20181209T185422_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220181209T193102_20181209T193238_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	

CS_OFFL_SIR_SIN_220181209T193620_20181209T193716_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220181209T202140_20181209T202322_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220181209T202857_20181209T202904_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220181209T203029_20181209T203245_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220181209T211417_20181209T211630_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_220181209T220046_20181209T220236_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220181209T220811_20181209T220818_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220181209T220923_20181209T221408_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220181209T230014_20181209T230048_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_220181209T234048_20181209T234319_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220181209T234653_20181209T234700_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220181209T235035_20181209T235226_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	173	173	173	0	0
SIR_LRM_2	169	169	169	0	0
SIR_LRMI2_	169	169	169	0	0
SIR_SAR_1B	130	130	130	0	0
SIR_SAR_2	129	129	129	0	0
SIR_SARI2_	129	129	129	0	0
SIR_SIN_1B	111	111	111	0	0
SIR_SIN_2	111	111	111	0	0
SIR_SINI2	111	111	111	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:

203