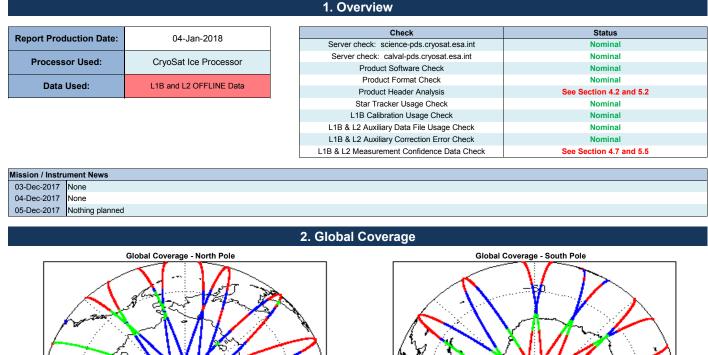
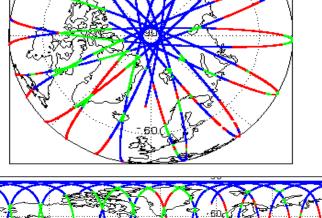
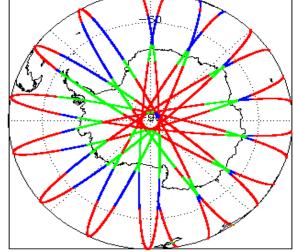


IDEAS+ Daily Report for OFFLINE data:

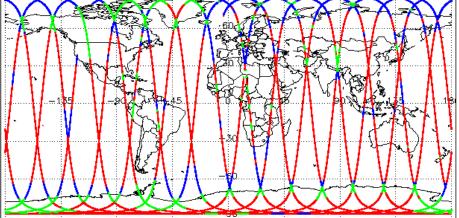
04/12/2017

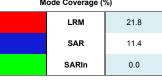


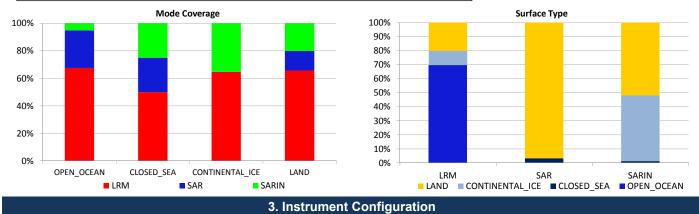




Mode Coverage (%)







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 er	nsure it consists of both an XML header	r file (.HDR) and a product file (.DBL).
Number of products with errors: 0		
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 inconsister	ncies and/or errors raised by the ground-segment processing chain.
Number of products with errors: 2		
Product	Test Failed	
CS_OFFL_SIR_SAR_1B_20171204T024758_20171204T024758_C001		errors detected greater than minimum acceptable threshold.
CS_OFFL_SIR_SAR_1B_20171204T021137_20171204T021138_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 use	ed in processing.	
Number of products with errors: 0		
4.4 L1B Calibration Usage Check		
Each product is checked in order to ensure that the necessary calibration files h	ave been used in processing.	
Number of products with errors: 0		
4.5 L1B Auxilary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with respect to a pre-	determined baseline and also to check	the validity of Auxiliary Data Files is correct.
Number of products with errors: 0		
4.6 L1B Auxiliary Correction Error Check		
CryoSat L1B data includes a correction error flag (field 54) for each measureme	nt record. The bit value of this flag indic	cates any problems when set.
Number of products with errors: 0		
4.7 L1B Measurement Confidence Data Check		
CryoSat L1B data includes a measurement confidence flag (field 18) for each m	easurement record. The bit value of thi	s flag indicates any problems when set.
	ducts which are expected due to ope	erational 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 recor	ds generally at the start or end of produ	urts (all modes) but this is to be expected
Phase Perturbation Flag: This flag is currently set for all L1B SARIn products,		
Number of products with errors: 1		
Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20171204T150630_20171204T150913_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
-	Lovel 2 Data Quality C	
	Level 2 Data Quality Cl	
5.1 L2 Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to en	sure it consists of both an XML header	r file (.HDR) and a product file (.DBL).
Number of products with errors: 0		
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 inconsister	ncies and/or errors raised by the ground-segment processing chain.
Number of products with errors: 1		
Product	Test Failed	
CS_OFFL_SIR_SAR_220171204T021137_20171204T021138_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: 0		
5.4 L2 Auxiliary Correction Error Check		
CryoSat L2 data includes a correction error flag (field 30) for each measuremen	t record. The bit value of this flag indica	ites any problems when set.
Number of products with errors: 0		
5.5 L2 Measurement Quality Flag Check	· · · · · · · · · · · · · · · · · · ·	
CryoSat L2 data includes a quality flag (field 50) for each 20-Hz measurement r	ecord. The bit value of this flag indicate	s 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.

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220171204T000018_20171204T000551_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_220171204T000601_20171204T003320_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_220171204T005225_20171204T012113_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_220171204T013939_20171204T015539_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_220171204T015541_20171204T015705_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_220171204T020146_20171204T020902_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_220171204T023016_20171204T024545_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_220171204T024813_20171204T030301_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_220171204T031902_20171204T033333_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220171204T033512_20171204T034654_C001	Error (Retracker 2) Height Error (Retracker 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
CS_OFFL_SIR_LRM_2_20171204T041306_20171204T041913_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_2_20171204T042035_20171204T042331_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_220171204T042904_20171204T0444414_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_220171204T045828_20171204T052101_C001	(Retracker 3), Backscatter Error (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_220171204T055539_20171204T062304_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_220171204T062921_20171204T063403_C001 CS_OFFL_SIR_LRM_220171204T063743_20171204T070325_C001	Surface Model Unavailable Height Error (Retracker 2), Backscatter	No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_2_20171204T073546_20171204T074540_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_220171204T081702_20171204T084045_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2)	records There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220171204T085231_20171204T085319_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_220171204T090714_20171204T094052_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_220171204T100343_20171204T100743_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_220171204T104647_20171204T105549_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_220171204T105834_20171204T112019_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220171204T113653_20171204T114709_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_2_20171204T114857_20171204T115508_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_220171204T115651_20171204T120131_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_220171204T131747_20171204T134828_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220171204T140740_20171204T142228_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 for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20171204T142307_20171204T143831_C001	(Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220171204T145519_20171204T150524_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2)	records There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220171204T151143_20171204T152405_C001	Height Error (Retracker 2) 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_220171204T154545_20171204T160129_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_220171204T160308_20171204T161721_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_220171204T163216_20171204T165521_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 erro for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220171204T165643_20171204T170457_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_220171204T173420_20171204T175637_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_220171204T181057_20171204T183830_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_220171204T191016_20171204T193548_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_220171204T195118_20171204T200132_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220171204T200710_20171204T202422_C001	Error (Retracker 2) Height Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220171204T204718_20171204T205826_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_220171204T211817_20171204T212358_C001	Surface Model Unavailable Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	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 Patracker 3 for one or more records.
	(Retracker 2)	for Retracker 3 for one or more records

CS_OFFL_SIR_LRM_2__20171204T221652_20171204T221751_C001 CS OFFL SIR LRM 2 20171204T223628 20171204T225253 C001 CS_OFFL_SIR_LRM_2__20171204T230915_20171204T234319_C001 CS_OFFL_SIR_SIN_2__20171204T004903_20171204T004955_C001 CS OFFL SIR SIN 2 20171204T012812 20171204T013047 C001 CS_OFFL_SIR_SIN_2__20171204T013241_20171204T013559_C001 CS_OFFL_SIR_SIN_2__20171204T013703_20171204T013908_C001 CS OFFL SIR SIN 2 20171204T022323 20171204T022444 C001 CS_OFFL_SIR_SIN_2__20171204T022800_20171204T023016_C001 CS OFFL SIR SIN 2 20171204T030336 20171204T030936 C001 CS OFFL SIR SIN 2 20171204T031154 20171204T031231 C001 CS_OFFL_SIR_SIN_2__20171204T031652_20171204T031830_C001 CS OFFL SIR SIN 2 20171204T035746 20171204T035836 C001 CS_OFFL_SIR_SIN_2__20171204T040247_20171204T040500_C001 CS_OFFL_SIR_SIN_2__20171204T040637_20171204T040854_C001 CS OFFL SIR SIN 2 20171204T044538 20171204T044725 C001 CS_OFFL_SIR_SIN_2__20171204T045558_20171204T045752_C001 CS_OFFL_SIR_SIN_2__20171204T054200_20171204T054650_C001 CS_OFFL_SIR_SIN_2_20171204T062512_20171204T062634_C001 CS_OFFL_SIR_SIN_2__20171204T062827_20171204T062921_C001 CS_OFFL_SIR_SIN_2__20171204T063403_20171204T063619_C001 CS OFFL SIR SIN 2 20171204T071644 20171204T071708 C001 CS OFFL SIR SIN 2 20171204T080442 20171204T080602 C001 CS OFFL SIR SIN 2 20171204T080618 20171204T080839 C001 CS OFFL SIR SIN 2 20171204T081435 20171204T081602 C001 CS OFFL SIR SIN 2 20171204T085548 20171204T085612 C001 CS_OFFL_SIR_SIN_2__20171204T094433_20171204T094746_C001 CS_OFFL_SIR_SIN_2__20171204T095305_20171204T095422_C001 CS_OFFL_SIR_SIN_2__20171204T112315_20171204T112633_C001 CS OFFL SIR SIN 2 20171204T113202 20171204T113327 C001 CS_OFFL_SIR_SIN_2_20171204T121000_20171204T121045_C001 CS_OFFL_SIR_SIN_2__20171204T121226_20171204T121541_C001 CS OFFL SIR SIN 2 20171204T125952 20171204T130137 C001 CS_OFFL_SIR_SIN_2__20171204T131004_20171204T131145_C001 CS_OFFL_SIR_SIN_2_20171204T134840_20171204T135012_C001 CS OFFL SIR SIN 2 20171204T135342 20171204T135439 C001 CS_OFFL_SIR_SIN_2__20171204T143856_20171204T144038_C001 CS OFFL SIR SIN 2 20171204T144615 20171204T144622 C001 CS_OFFL_SIR_SIN_2_20171204T153139_20171204T153353_C001 CS_OFFL_SIR_SIN_2__20171204T161807_20171204T161954_C001 CS_OFFL_SIR_SIN_2__20171204T162529_20171204T162536_C001 CS OFFL SIR SIN 2 20171204T162640 20171204T163132 C001 CS_OFFL_SIR_SIN_2__20171204T175803_20171204T180035_C001 CS OFFL SIR SIN 2 20171204T180412 20171204T180418 C001 CS_OFFL_SIR_SIN_2__20171204T180427_20171204T180433_C001 CS_OFFL_SIR_SIN_2__20171204T180748_20171204T180943_C001 CS OFFL SIR SIN 2 20171204T193644 20171204T193818 C001 CS_OFFL_SIR_SIN_2__20171204T194325_20171204T194332_C001 CS_OFFL_SIR_SIN_2__20171204T194700_20171204T194830_C001 CS OFFL SIR SIN 2 20171204T211659 20171204T211817 C001 CS_OFFL_SIR_SIN_2_20171204T212358_20171204T212446_C001

Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) SARIn X-track Angle Error, Surface Model Unavailable SARIn X-track Angle Error SARIn X-track Angle Error, Surface Model Unavailable SARIn X-track Angle Error SARIn X-track Angle Error SARIn X-track Angle Error, Surface Model Unavailable SARIn X-track Angle Error SARIn X-track Angle Error SARIn X-track Angle Error SARIn X-track Angle Error SARIn X-track Angle Error, Surface SARIn X-track Angle Error SARIn X-track Angle Error SARIn X-track Angle Error SARIn X-track Angle Error, Surface Model Unavailable SARIn X-track Angle Error SARIn X-track Angle Error SARIn X-track Angle Error SARIn X-track Angle Error, Surface Model Unavailable SARIn X-track Angle Error SARIn X-track Angle Error SARIn X-track Angle Error SARIn X-track Angle Error SARIn X-track Angle Error, Surface Model Unavailable SARIn X-track Angle Error SARIn X-track Angle Error, Surface Model Unavailable SARIn X-track Angle Error SARIn X-track Angle 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 for one or more records There is a height and backscatter error for Retracker 2 for one or more records An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used 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 and no DEM or Slope Model was used 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 and no DEM or Slope Model was used 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 and no DEM or Slope Model was used 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 and no DEM or Slope Model was used 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 and no DEM or Slope Model was used 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 and no DEM or Slope Model was used 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 and no DEM or Slope Model was used 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

CS_OFFL_SIR_SIN_220171204T212600_20171204T212714_C001	ISARIN X-TRACK ANDIE ETFOR	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171204T225616_20171204T225741_C001	SARIN X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171204T230252_20171204T230558_C001	ISARIN 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	160	160	160	0	0
SIR_LRM_2	160	160	160	0	0
SIR_LRMI2_	160	160	160	0	0
SIR_SAR_1B	124	124	124	0	0
SIR_SAR_2	122	122	122	0	0
SIR_SARI2_	122	122	122	0	0
SIR_SIN_1B	108	108	108	0	0
SIR_SIN_2	108	108	108	0	0
SIR_SINI2	108	108	108	0	0
SIR GDR 2	15	15	15	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: 190