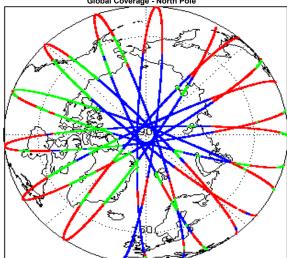
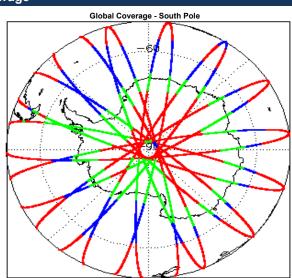


IDEAS+ Daily Report for OFFLINE data:

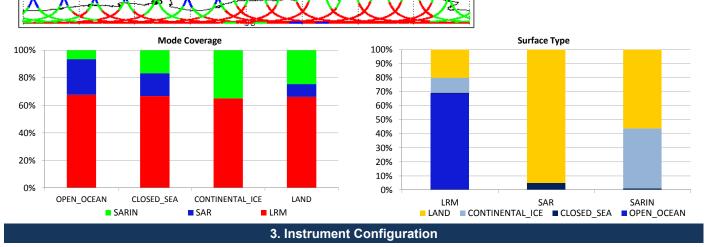
<u>14/08/2018</u>

Report Production Date:	13-Sep-2018	Check	Status	
Report Froudction Date.		Server check: science-pds.cryosat.esa.int	Nominal	
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal	
		Product Software Check	Nominal	
Data Upadu	L1B and L2 OFFLINE Data	Product Format Check	Nominal	
Data Used:		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	
Ilission / Instrument News 13-Aug-2018 None 14-Aug-2018 None 15-Aug-2018 Nothing planned				
		2. Global Coverage		
	Global Coverage - North Pole	Global Cover	rage - South Pole	





Mode Coverage (%)
LRM 19.7
SAR 13.3
SARin 0.0



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 ensu	ure it consists of both an XML header file (.HDR) and a product file (.DBL).		
Number of products with errors: 0	lumber 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 SF	PH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.		
Number of products with errors: 2			
Product	Test Failed		
CS_OFFL_SIR_SAR_1B_20180814T075125_20180814T075127_C001	Percentage of processing errors detected greater than minimum acceptable threshold.		
CS_OFFL_SIR_SIN_1B_20180814T144030_20180814T144031_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 i	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 have	e 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-de	termined 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 measurement	record. The bit value of this flag indicates 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 mea	surement record. The bit value of this flag indicates any problems when set.		
Currently, there are several common error flags raised in the Level 1B produ below, followed by a table of any additional issues arising from this test.	cts which are expected due to operational mode or surface type. All common flags are summarised in the list		
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, inc	dicating that the ADC correction application is deactivated, but this is in line with the current configuration.		
Number of products with errors: 0			
5. L	evel 2 Data Quality Check		
5.1 L2 Product Format Check			
Each product, retrieved and unpacked from the science server, is checked to ensu	ire it consists of both an XML header 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 SF	PH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.		
Number of products with errors: 1			
Product	Test Failed		
CS_OFFL_SIR_SAR_220180814T075125_20180814T075127_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-de	termined 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 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.

0

Product	
CS_OFFL_SIR_LRM_2_	_20180813T234838_20180814T002340_C001
CS_OFFL_SIR_LRM_2_	_20180814T004255_20180814T011403_C001
CS_OFFL_SIR_LRM_2_	_20180814T012655_20180814T014138_C001
CS_OFFL_SIR_LRM_2_	_20180814T014245_20180814T020313_C001
CS_OFFL_SIR_LRM_2_	_20180814T022035_20180814T023030_C001
CS_OFFL_SIR_LRM_2_	_20180814T023649_20180814T025231_C001
CS_OFFL_SIR_LRM_2_	_20180814T030553_20180814T032638_C001
CS_OFFL_SIR_LRM_2_	_20180814T032818_20180814T034151_C001
CS_OFFL_SIR_LRM_2_	_20180814T040148_20180814T042026_C001
CS_OFFL_SIR_LRM_2_	_20180814T042233_20180814T043237_C001
CS_OFFL_SIR_LRM_2_	_20180814T045916_20180814T052008_C001
CS_OFFL_SIR_LRM_2_	_20180814T053641_20180814T060422_C001
CS_OFFL_SIR_LRM_2_	_20180814T062533_20180814T062703_C001
CS_OFFL_SIR_LRM_2_	_20180814T063533_20180814T070000_C001
CS_OFFL_SIR_LRM_2_	_20180814T073216_20180814T074916_C001
CS_OFFL_SIR_LRM_2_	_20180814T080139_20180814T080847_C001
CS_OFFL_SIR_LRM_2_	_20180814T081630_20180814T081943_C001
CS_OFFL_SIR_LRM_2_	_20180814T085654_20180814T092851_C001
CS_OFFL_SIR_LRM_2_	_20180814T093155_20180814T093228_C001
CS_OFFL_SIR_LRM_2_	_20180814T094041_20180814T094056_C001
CS_OFFL_SIR_LRM_2_	_20180814T094117_20180814T094253_C001
CS_OFFL_SIR_LRM_2_	_20180814T095648_20180814T101714_C001
CS_OFFL_SIR_LRM_2_	_20180814T103504_20180814T111031_C001
CS_OFFL_SIR_LRM_2_	_20180814T111953_20180814T112220_C001
CS_OFFL_SIR_LRM_2_	_20180814T113235_20180814T113715_C001
CS_OFFL_SIR_LRM_2_	_20180814T113754_20180814T115630_C001
CS_OFFL_SIR_LRM_2_	_20180814T120451_20180814T120703_C001
CS_OFFL_SIR_LRM_2_	_20180814T121444_20180814T123120_C001
CS_OFFL_SIR_LRM_2_	_20180814T124240_20180814T125038_C001
CS_OFFL_SIR_LRM_2_	_20180814T130218_20180814T132136_C001
CS_OFFL_SIR_LRM_2_	_20180814T132217_20180814T133532_C001
CS_OFFL_SIR_LRM_2_	_20180814T134414_20180814T134611_C001
CS_OFFL_SIR_LRM_2_	_20180814T135340_20180814T140833_C001
CS_OFFL_SIR_LRM_2_	_20180814T141035_20180814T141956_C001
CS_OFFL_SIR_LRM_2_	_20180814T144208_20180814T145917_C001
CS_OFFL_SIR_LRM_2_	_20180814T152234_20180814T152536_C001
CS_OFFL_SIR_LRM_2_	_20180814T153311_20180814T154703_C001
CS_OFFL_SIR_LRM_2_	_20180814T162150_20180814T162409_C001
CS_OFFL_SIR_LRM_2_	_20180814T162533_20180814T163244_C001
CS_OFFL_SIR_LRM_2_	_20180814T163357_20180814T165705_C001
CS_OFFL_SIR_LRM_2_	_20180814T170048_20180814T170304_C001
CS_OFFL_SIR_LRM_2_	_20180814T170307_20180814T170912_C001
CS_OFFL_SIR_LRM_2_	_20180814T171259_20180814T173732_C001
CS_OFFL_SIR_LRM_2_	_20180814T174653_20180814T174725_C001
CS_OFFL_SIR_LRM_2_	_20180814T180837_20180814T181956_C001

Test Failed Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Surface Model Unavailable Surface Model Unavailable Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)

Description
There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
There is a height and backscatter error for Retracker 2 for one or more records
There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
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There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
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There is a height and backscatter error for Retracker 2 for one or more records
There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
There is a height and backscatter error for Retracker 2 for one or more records
There is a height and backscatter error for Retracker 2 for one or more records
There is a height and backscatter error for Retracker 2 for one or more records
No DEM or Slope Model was used for the location of one or more records
There is a height and backscatter error for Retracker 2 for one or more records
There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
There is a height and backscatter error for Retracker 2 for one or more records
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There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
No DEM or Slope Model was used for the location of one or more records
There is a height and backscatter error for Retracker 2 for one or more records
There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
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There is a height and backscatter error for Retracker 2 for one or more records
No DEM or Slope Model was used for the location of 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 3 for one or more records
There is a height and backscatter error for Retracker 2 for one or more records

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

CS_OFFL_SIR_LRM_2__20180814T185213_20180814T191816_C001 CS_OFFL_SIR_LRM_2__20180814T192305_20180814T193003_C001 CS OFFL SIR LRM 2 20180814T194318 20180814T195910 C001 CS OFFL SIR LRM 2 20180814T200331 20180814T201343 C001 CS_OFFL_SIR_LRM_2__20180814T210650_20180814T210832_C001 CS OFFL SIR LRM 2 20180814T212113 20180814T215404 C001 CS OFFL SIR LRM 2 20180814T221202 20180814T222756 C001 CS_OFFL_SIR_LRM_2__20180814T224601_20180814T224724_C001 CS OFFL SIR LRM 2 20180814T225752 20180814T233258 C001 CS OFFL SIR LRM 2 20180814T234120 20180814T234533 C001 CS_OFFL_SIR_LRM_2__20180814T235035_20180815T002428_C001 CS_OFFL_SIR_SIN_2__20180814T002501_20180814T002651_C001 CS_OFFL_SIR_SIN_2__20180814T003521_20180814T003659_C001 CS OFFL SIR SIN 2 20180814T011403 20180814T011522 C001 CS_OFFL_SIR_SIN_2__20180814T011846_20180814T011921_C001 CS OFFL SIR SIN 2 20180814T020406 20180814T020546 C001 CS_OFFL_SIR_SIN_2__20180814T021125_20180814T021131_C001 CS_OFFL_SIR_SIN_2__20180814T025231_20180814T025532_C001 CS OFFL SIR SIN 2 20180814T025644 20180814T025739 C001 CS_OFFL_SIR_SIN_2__20180814T025742_20180814T025858_C001 CS_OFFL_SIR_SIN_2__20180814T034318_20180814T034504_C001 CS OFFL SIR SIN 2 20180814T035039 20180814T035045 C001 CS OFFL SIR SIN 2 20180814T035148 20180814T035841 C001 CS OFFL SIR SIN 2 20180814T052310 20180814T052543 C001 CS OFFL SIR SIN 2 20180814T052921 20180814T052928 C001 CS_OFFL_SIR_SIN_2__20180814T052937_20180814T052943_C001 CS OFFL SIR SIN 2 20180814T053251 20180814T053449 C001 CS OFFL SIR SIN 2 20180814T070151 20180814T070326 C001 CS_OFFL_SIR_SIN_2__20180814T070835_20180814T070841_C001 CS_OFFL_SIR_SIN_2_20180814T071209_20180814T071337_C001 CS_OFFL_SIR_SIN_2__20180814T084203_20180814T084325_C001 CS_OFFL_SIR_SIN_2__20180814T084908_20180814T084939_C001 CS OFFL SIR SIN 2 20180814T085110 20180814T085224 C001 CS_OFFL_SIR_SIN_2__20180814T102125_20180814T102251_C001 CS_OFFL_SIR_SIN_2_20180814T102801_20180814T103106_C001 CS OFFL SIR SIN 2 20180814T120153 20180814T120450 C001 CS OFFL SIR SIN 2 20180814T120704 20180814T121224 C001 CS_OFFL_SIR_SIN_2__20180814T125757_20180814T130109_C001 CS_OFFL_SIR_SIN_2__20180814T130112_20180814T130217_C001 CS_OFFL_SIR_SIN_2__20180814T134612_20180814T134740_C001 CS OFFL SIR SIN 2 20180814T135114 20180814T135249 C001 CS_OFFL_SIR_SIN_2__20180814T143652_20180814T143804_C001 CS_OFFL_SIR_SIN_2__20180814T143941_20180814T144027_C001 CS_OFFL_SIR_SIN_2__20180814T144036_20180814T144046_C001 CS_OFFL_SIR_SIN_2__20180814T144051_20180814T144208_C001 CS_OFFL_SIR_SIN_2__20180814T151641_20180814T152234_C001 CS OFFL SIR SIN 2 20180814T153015 20180814T153200 C001 CS_OFFL_SIR_SIN_2__20180814T161613_20180814T161835_C001 CS OFFL SIR SIN 2 20180814T165856 20180814T170047 C001 CS OFFL SIR SIN 2 20180814T170305 20180814T170307 C001

Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) 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 ecords There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more 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 ecords There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records 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 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 ecords 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 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

CS_OFFL_SIR_SIN_220180814T170912_20180814T171117_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180814T174953_20180814T175010_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_220180814T183834_20180814T184012_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180814T184133_20180814T184259_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180814T184714_20180814T185007_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180814T201826_20180814T202210_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180814T202752_20180814T202906_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180814T210832_20180814T210930_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_220180814T215757_20180814T220114_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180814T220626_20180814T220750_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180814T224846_20180814T224941_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180814T233511_20180814T233905_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_0FFL_SIR_SIN_220180814T234533_20180814T234640_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	136	136	136	0	0
SIR_LRM_2	135	135	135	0	0
SIR_LRMI2_	135	135	135	0	0
SIR_SAR_1B	87	87	87	0	0
SIR_SAR_2	87	87	87	0	0
SIR_SARI2_	87	87	87	0	0
SIR_SIN_1B	107	107	107	0	0
SIR_SIN_2	106	106	106	0	0
SIR_SINI2	106	106	106	0	0
SIR_GDR_2	14	14	14	0	0

6.1 QCC Errors

0

Number of products with QCC errors:

6.2 QCC Warnings	
Number of QCC reports with warnings	0

6.2 Missing QCC Reports

Number of products with missing QCC reports: 174