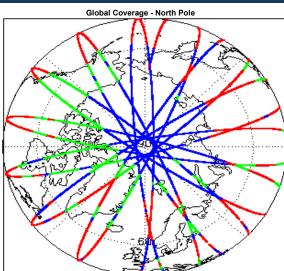
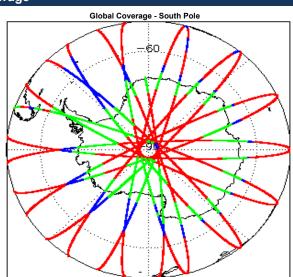


# IDEAS+ Daily Report for OFFLINE data:

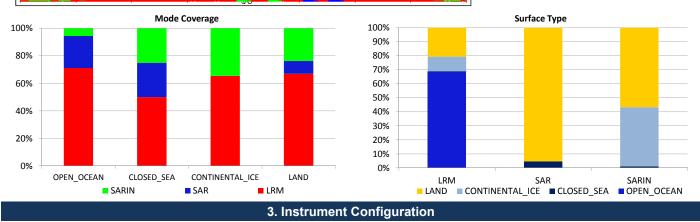
<u>03/04/2017</u>

			1. Overview				
		Check	Status				
Report Production Date:	04-May-2017	Server check: science-pds.cryosat.esa.int	Nominal				
	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal				
Processor Used:		Product Software Check	Nominal				
	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				
Mission / Instrument News							
02-Apr-2017 None							
03-Apr-2017 None							
04-Apr-2017 Nothing planned							
2. Global Coverage							





Mode Coverage (%)				
	LRM	17.7		
	SAR	12.9		
	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	o ensure it consists of both an XML hea	der 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 a	and SPH in order to identify any inconsi	stencies and/or errors raised by the ground-segment processing chain.		
Number of products with errors: 2				
Product	Test Failed			
CS_OFFL_SIR_SAR_1B_20170403T213146_20170403T213147_C001.DBL	Percentage of process	ing errors detected greater than minimum acceptable threshold.		
CS_OFFL_SIR_SAR_1B_20170403T130059_20170403T130101_C001.DBL	Percentage of process	ing 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: 0				
4.4 L1B Calibration Usage Check				
Each product is checked in order to ensure that the necessary calibration file	s have 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 p	pre-determined baseline and also to che	eck 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 measure	ment record. The bit value of this flag i	ndicates 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	n 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 p below, followed by a table of any additional issues arising from this tes		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 real	cords generally at the start or end of pr	oducts (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: 1				
Product	Test Failed	Description		
CS_OFFL_SIR_LRM_1B_20170403T142208_20170403T143426_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: 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 inconsistencies and/or errors raised by the ground-segment processing chain.

Number of products with errors: 2	
Product	Test Failed
CS_OFFL_SIR_SAR_220170403T130059_20170403T130101_C001.DBL	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OFFL_SIR_SAR_220170403T213146_20170403T213147_C001.DBL	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.

0

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: 108

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220170403T000315_20170403T003653_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_220170403T004448_20170403T004844_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more record
CS_OFFL_SIR_LRM_220170403T005126_20170403T012704_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_220170403T014644_20170403T015410_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_220170403T015851_20170403T020021_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_220170403T020024_20170403T021620_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_220170403T023406_20170403T024706_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
S_OFFL_SIR_LRM_220170403T024920_20170403T030139_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_220170403T030405_20170403T030511_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_220170403T032845_20170403T033911_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
S_OFFL_SIR_LRM_220170403T034050_20170403T035526_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_220170403T041111_20170403T041209_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
S_OFFL_SIR_LRM_220170403T041922_20170403T042310_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_220170403T043007_20170403T043258_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
S_OFFL_SIR_LRM_220170403T043421_20170403T044132_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 err for Retracker 3 for one or more records
S_OFFL_SIR_LRM_220170403T051312_20170403T053423_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 err for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220170403T054815_20170403T062253_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
S_OFFL_SIR_LRM_220170403T063734_20170403T063838_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
S_OFFL_SIR_LRM_220170403T064849_20170403T071413_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 err for Retracker 3 for one or more records
S_OFFL_SIR_LRM_220170403T072116_20170403T072441_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more record
S_OFFL_SIR_LRM_220170403T074446_20170403T080027_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
S_OFFL_SIR_LRM_220170403T082440_20170403T084526_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
S_OFFL_SIR_LRM_220170403T085543_20170403T090348_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more record
S_OFFL_SIR_LRM_220170403T090700_20170403T094109_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
S_OFFL_SIR_LRM_220170403T095429_20170403T095527_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
S_OFFL_SIR_LRM_220170403T095545_20170403T095627_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 err for Retracker 3 for one or more records
S_OFFL_SIR_LRM_2_20170403T101551_20170403T102359_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 err for Retracker 3 for one or more records
S_OFFL_SIR_LRM_220170403T102424_20170403T103309_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
S_OFFL_SIR_LRM_220170403T104627_20170403T110847_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
S_OFFL_SIR_LRM_220170403T111133_20170403T112054_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
S_OFFL_SIR_LRM_220170403T114049_20170403T114129_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
S_OFFL_SIR_LRM_220170403T114437_20170403T114930_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
S_OFFL_SIR_LRM_220170403T115228_20170403T115742_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
S_OFFL_SIR_LRM_220170403T115930_20170403T121204_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
S_OFFL_SIR_LRM_220170403T121641_20170403T121936_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more record
CS_OFFL_SIR_LRM_220170403T122600_20170403T125912_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 err for Retracker 3 for one or more records

CS OFFL SIR LRM 2 20170403T131554 20170403T132245 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170403T132259\_20170403T134714\_C001 CS OFFL SIR LRM 2 20170403T135648 20170403T135842 C001 CS OFFL SIR LRM 2 20170403T140107 20170403T140332 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170403T140533\_20170403T142205\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170403T142208\_20170403T143426\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170403T145932\_20170403T151150\_C001 CS\_OFFL\_SIR\_LRM\_2\_20170403T152039\_20170403T152937\_C001 CS OFFL SIR LRM 2 20170403T153529 20170403T153759 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170403T154443\_20170403T155933\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170403T160112\_20170403T160617\_C001 CS OFFL SIR LRM 2 20170403T163806 20170403T164516 C001 CS OFFL SIR LRM 2 20170403T164639 20170403T171035 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170403T172418\_20170403T174803\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170403T182406\_20170403T184932\_C001 CS OFFL SIR LRM 2 20170403T185526 20170403T185952 C001 CS OFFL SIR LRM 2 20170403T190316 20170403T193843 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170403T195705\_20170403T201145\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170403T201720\_20170403T202844\_C001 CS OFFL SIR LRM 2 20170403T204205 20170403T210045 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170403T210048\_20170403T210752\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170403T211256\_20170403T211420\_C001 CS OFFL SIR LRM 2 20170403T211939 20170403T212031 C001 CS OFFL SIR LRM 2 20170403T213309 20170403T220745 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170403T222051\_20170403T222345\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170403T223011\_20170403T223729\_C001 CS OFFL SIR LRM 2 20170403T225926 20170403T230017 C001 CS OFFL SIR LRM 2 20170403T231311 20170403T232154 C001 CS OFFL SIR LRM 2 20170403T232440 20170403T234644 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170403T003821\_20170403T004016\_C001 CS OFFL SIR SIN 2 20170403T004844 20170403T004953 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170403T012731\_20170403T012832\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170403T013116\_20170403T013225\_C001 CS OFFL SIR SIN 2 20170403T021632\_20170403T021811\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170403T022545\_20170403T022739\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170403T030922\_20170403T031139\_C001 CS OFFL SIR SIN 2 20170403T035549 20170403T035736 C001 CS OFFL SIR SIN 2 20170403T040418 20170403T040938 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170403T044505\_20170403T045018\_C001 CS OFFL SIR SIN 2 20170403T053454 20170403T053749 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170403T054414\_20170403T054708\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170403T071430\_20170403T071544\_C001 CS OFFL SIR SIN 2 20170403T072441 20170403T072600 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170403T081459\_20170403T081620\_C001 CS OFFL SIR SIN 2 20170403T085419 20170403T085543 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170403T090348\_20170403T090500\_C001

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Height Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error (Retracker 3), Backscatter Error for Retracker 3 for one or more records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) records Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records Height Error (Retracker 2) Height Error There is a height and backscatter error for Retracker 2 and a height error (Retracker 3), Backscatter Error for Retracker 3 for one or more records Height Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error (Retracker 3), Backscatter Error for Retracker 3 for one or more records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) records Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) records Height Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error (Retracker 3), Backscatter Error for Retracker 3 for one or more records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) records Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records. Height Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error (Retracker 3), Backscatter Error for Retracker 3 for one or more records (Retracker 2) Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) records There is a height and backscatter error for Retracker 2 for one or more Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) records Height Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error (Retracker 3), Backscatter Error for Retracker 3 for one or more records (Retracker 2) Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) records Height Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error (Retracker 3), Backscatter Error for Retracker 3 for one or more records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records SARIn X-track Angle Error, Surface An ambiguous angle was detected for SARIn mode and no DEM or Slope Model Unavailable Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records SARIn X-track Angle Error, Surface An ambiguous angle was detected for SARIn mode and no DEM or Slope Model Unavailabl Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records SARIn X-track Angle Error, Surface An ambiguous angle was detected for SARIn mode and no DEM or Slope Model Unavailable Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records

CS_OFFL_SIR_SIN_2_20170403T103354_20170403T103519_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170403T104036_20170403T104341_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170403T121338_20170403T121641_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170403T121936_20170403T122316_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170403T135414_20170403T135648_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170403T135842_20170403T140107_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170403T140332_20170403T140507_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170403T144924_20170403T145043_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170403T145444_20170403T145605_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170403T152938_20170403T153529_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170403T153759_20170403T153823_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170403T154249_20170403T154428_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170403T162857_20170403T163106_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170403T171136_20170403T171312_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170403T172203_20170403T172405_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170403T180810_20170403T181256_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_220170403T185112_20170403T185240_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170403T185420_20170403T185526_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170403T185952_20170403T190219_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170403T203049_20170403T203441_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170403T204030_20170403T204155_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170403T212116_20170403T212213_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_220170403T221034_20170403T221347_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170403T221901_20170403T222013_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170403T234759_20170403T235221_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170403T235803_20170403T235924_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records

# 6. QCC Report Analysis

The Quality Control for CryoSat (QCC) facility performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR_LRM_1B	146	146	146	0	0
SIR_LRM_2	144	144	144	0	0
SIR_LRMI2_	144	144	144	0	0
SIR_SAR_1B	112	112	112	0	0
SIR_SAR_2	112	112	112	0	0
SIR_SARI2_	112	112	112	0	0
SIR_SIN_1B	97	97	97	0	0
SIR_SIN_2	97	97	97	0	0
SIR_SINI2	97	97	97	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: 190