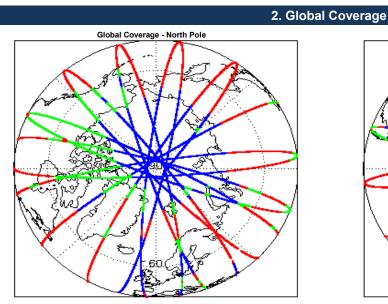


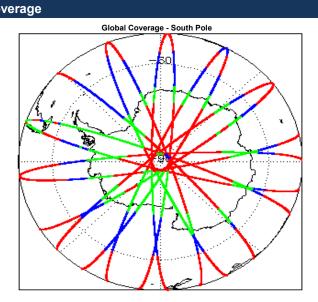
# IDEAS+ Daily Report for OFFLINE data:

# 23/08/2017

1. Overview			
Report Production Date:	21-Sep-2017	Check	Status
Report Production Date.	21-3ep-2017	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
	L1B and L2 OFFLINE Data	Product Format Check	Nominal
Data Used:		Product Header Analysis	Nominal
		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

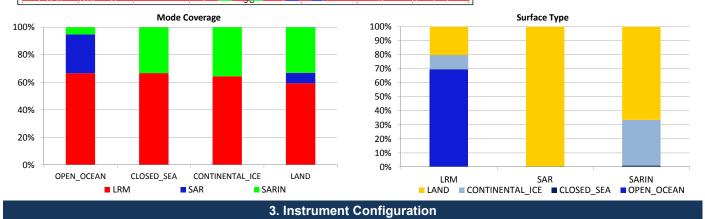
Mission / Instru	Mission / Instrument News		
22-Aug-2017	None		
23-Aug-2017	SIRAL unavailability on 23-Aug-2017 from 06:56:21 to 08:59:18 due to a planned orbit manoeuvre.		
24-Aug-2017	Nothing planned		





Mode	Coverage	(%)
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LRM	20.8
SAR	14.6
SARIn	0.0



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

SIRAL instrument(s) in use: SIR

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 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:

## 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: 0

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: 1

Test Failed

Product

CS\_OFFL\_SIR\_LRM\_1B\_20170823T183624\_20170823T185107\_C001

Echo error, TRK echo error

Description 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.

#### 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.

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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_220170822T233650_20170823T000443_C001	(Retracker 3) Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records

CS\_OFFL\_SIR\_LRM\_2\_\_20170823T003412\_20170823T010028\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T010858\_20170823T011226\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T011637\_20170823T012703\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T013240\_20170823T015024\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T020154\_20170823T020910\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T021549\_20170823T021658\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T023538\_20170823T023931\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T024349\_20170823T024921\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T025646\_20170823T033236\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T034129\_20170823T034338\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T040147\_20170823T041751\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T042309\_20170823T042817\_C001 CS OFFL SIR LRM 2 20170823T043520 20170823T051049 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T052055\_20170823T052240\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T053256\_20170823T053727\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T053812\_20170823T055550\_C001 CS\_OFFL\_SIR\_LRM\_2\_20170823T060524\_20170823T060721\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T061507\_20170823T063143\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T063625\_20170823T065053\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T090532\_20170823T091104\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T092231\_20170823T093035\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T093342\_20170823T094801\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T102228\_20170823T105736\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T110110\_20170823T110317\_C001 CS\_OFFL\_SIR\_LRM\_2\_20170823T110347\_20170823T110918\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T111402\_20170823T113707\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T120905\_20170823T122017\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T125241\_20170823T131136\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T131139\_20170823T131931\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T132334\_20170823T133030\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T134250\_20170823T141412\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T150652\_20170823T150940\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T152137\_20170823T155428\_C001 CS OFFL SIR LRM 2 20170823T161219 20170823T162825 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T164625\_20170823T164715\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T165808\_20170823T173309\_C001 CS OFFL SIR LRM 2 20170823T174148 20170823T174543 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T175051\_20170823T182427\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T183624\_20170823T185107\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T185548\_20170823T191242\_C001 CS OFFL SIR LRM 2 20170823T193102 20170823T194407 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T194622\_20170823T200353\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T202543\_20170823T203607\_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
Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
(Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
Error (Retracker 2) Surface Model Unavailable	records 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 (Retracker 2)	for Retracker 3 for one or more records
Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for 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 (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
Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error
(Retracker 2)	for Retracker 3 for one or more records
Surface Model Unavailable Height Error (Retracker 2), Height Error	No DEM or Slope Model was used for the location of one or more records
(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
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
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
Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
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
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), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
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
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
Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
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
Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
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
Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
(Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
Error (Retracker 2) Surface Model Unavailable	records 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 (Retracker 2)	for Retracker 3 for one or more records
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
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
Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
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
Height Error (Retracker 2), Height Error	

CS\_OFFL\_SIR\_LRM\_2\_\_20170823T203747\_20170823T205135\_C001 CS\_OFFL\_SIR\_LRM\_2\_20170823T211556\_20170823T212017\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T212648\_20170823T212916\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T213123\_20170823T213832\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T213955\_20170823T214203\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T221008\_20170823T223006\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T224633\_20170823T231953\_C001 CS OFFL SIR LRM 2 20170823T233438 20170823T233536 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170823T234707\_20170824T000930\_C001 CS OFFL SIR SIN 2 20170823T010222 20170823T010351 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T010851\_20170823T010857\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T011226\_20170823T011403\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T020110\_20170823T020133\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T024232\_20170823T024349\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T024923\_20170823T025240\_C001 CS OFFL SIR SIN 2 20170823T034035 20170823T034128 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T042152\_20170823T042308\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T042818\_20170823T043130\_C001 CS OFFL SIR SIN 2 20170823T060248 20170823T060523 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T060721\_20170823T061256\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T091105\_20170823T091502\_C001 CS OFFL SIR SIN 2 20170823T092014 20170823T092230 C001 CS OFFL SIR SIN 2 20170823T093035 20170823T093223 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T101634\_20170823T102228\_C001 CS OFFL SIR SIN 2 20170823T105922 20170823T110109 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T110317\_20170823T110346\_C001 CS OFFL SIR SIN 2 20170823T110919 20170823T111145 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T115003\_20170823T115026\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T115124\_20170823T115153\_C001 CS OFFL SIR SIN 2 20170823T123848 20170823T124030 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T124135\_20170823T124318\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T124804\_20170823T124822\_C001 CS OFFL SIR SIN 2 20170823T124917 20170823T125040 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T141857\_20170823T142227\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T142758\_20170823T142915\_C001 CS OFFL SIR SIN 2 20170823T155808 20170823T160129 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T160644\_20170823T160807\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T164839\_20170823T165017\_C001 CS OFFL SIR SIN 2 20170823T173517 20170823T173711 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T174543\_20170823T174652\_C001 CS OFFL SIR SIN 2 20170823T182427 20170823T182530 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T182816\_20170823T182924\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T191331\_20170823T191509\_C001 CS OFFL SIR SIN 2 20170823T192244 20170823T192439 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T200622\_20170823T200838\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T205247\_20170823T205434\_C001 CS OFFL SIR SIN 2 20170823T210117 20170823T210811 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T214536\_20170823T214716\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170823T223153\_20170823T223450\_C001 CS OFFL SIR SIN 2 20170823T224121 20170823T224409 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) 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), Backscatter Error (Retracker 2) 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, 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 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, Surface Model Unavailab 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

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 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 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 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 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 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 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

# 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	121	121	121	0	0
SIR_LRM_2	121	121	121	0	0
SIR_LRMI2_	121	121	121	0	0
SIR_SAR_1B	78	78	78	0	0
SIR_SAR_2	78	78	78	0	0
SIR_SARI2_	78	78	78	0	0
SIR_SIN_1B	94	94	94	0	0
SIR_SIN_2	94	94	94	0	0
SIR_SINI2	94	94	94	0	0
SIR GDR 2	14	14	14	0	0

# 6.1 QCC Errors

Number of products with QCC errors:

## 6.2 QCC Warnings

Number of QCC reports with warnings

## 6.2 Missing QCC Reports

Number of products with missing QCC reports: 135

0

0