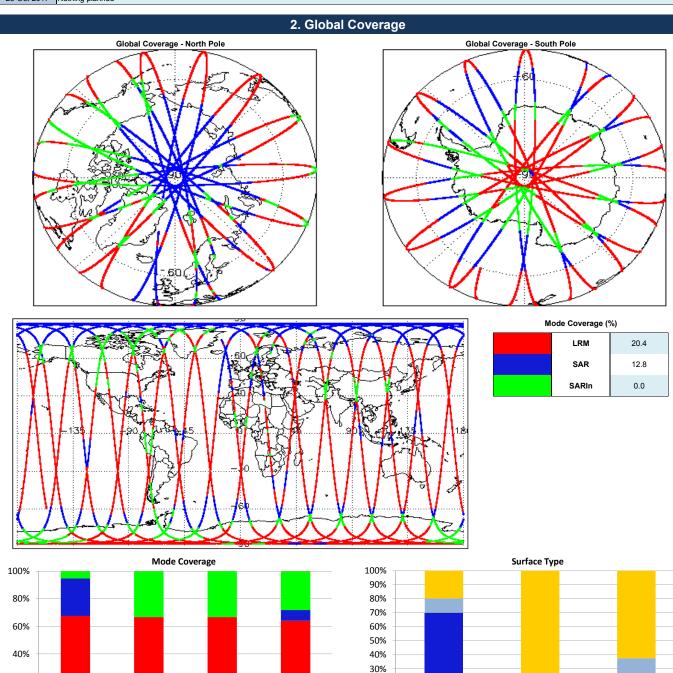


# IDEAS+ Daily Report for OFFLINE data:

## <u>24/10/2017</u>

1. Overview				
Depart Draduction Dates	22 Nov 2017	Check	Status	
Report Production Date:	22-Nov-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	
Data Used:	L1B and L2 OFFLINE Data	Product Format Check	Nominal	
		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	
		<u> </u>		
lission / Instrument News				
23-Oct-2017 None				
24-Oct-2017 None				
25-Oct-2017 Nothing planned				





LAND

SARIN

20% 10%

0%

LRM SAR SARIN LAND CONTINENTAL\_ICE CLOSED\_SEA OPEN\_OCEAN

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

CLOSED\_SEA

CONTINENTAL\_ICE

SAR

SIRAL instrument(s) in use: SIRAL - A

LRM

OPEN\_OCEAN

20%

0%

## 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: 0

#### 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

0

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:

## 5. Level 2 Data Quality Check

### 5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a product file (.DBL).

Number of products with errors:

#### 5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

#### 5.3 L2 Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. Number of products with errors: 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.

Number of products with errors: 104				
Product	Test Failed	Description		
CS_OFFL_SIR_LRM_220171024T000149_20171024T003624_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_220171024T004629_20171024T004851_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_220171024T005741_20171024T010404_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records		

CS\_OFFL\_SIR\_LRM\_2\_\_20171024T010632\_20171024T012229\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T012811\_20171024T013315\_C001 CS OFFL SIR LRM 2 20171024T014014 20171024T021544 C001 CS OFFL SIR LRM 2 20171024T022615 20171024T022739 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T023757\_20171024T030052\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T031027\_20171024T031219\_C001 CS OFFL SIR LRM 2 20171024T032002 20171024T033454 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T033503\_20171024T033639\_C001 CS OFFL SIR LRM 2 20171024T034121 20171024T035459 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T040820\_20171024T042539\_C001 CS OFFL SIR LRM 2 20171024T042744 20171024T044202 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T045856\_20171024T051344\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T051545\_20171024T052508\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T054753\_20171024T060438\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T061003\_20171024T062242\_C001 CS OFFL SIR LRM 2 20171024T062721 20171024T063534 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T063854\_20171024T065355\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T065716\_20171024T070006\_C001 CS OFFL SIR LRM 2 20171024T072717 20171024T073551 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T073634\_20171024T080234\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T080852\_20171024T081406\_C001 CS OFFL SIR LRM 2 20171024T081859 20171024T084200 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T085518\_20171024T085534\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T091438\_20171024T092519\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T093057\_20171024T094044\_C001 CS OFFL SIR LRM 2 20171024T095743 20171024T102353 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T103217\_20171024T103502\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T104731\_20171024T111920\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T114333\_20171024T114807\_C001 CS OFFL SIR LRM 2 20171024T121133 20171024T121437 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T122626\_20171024T123530\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T123815\_20171024T125933\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T131708\_20171024T133317\_C001 CS OFFL SIR LRM 2 20171024T140257 20171024T143815 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T145727\_20171024T152911\_C001 CS OFFL SIR LRM 2 20171024T154255 20171024T155608 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T160049\_20171024T161740\_C001 CS OFFL SIR LRM 2 20171024T165118 20171024T170827 C001 CS OFFL SIR LRM 2 20171024T173046 20171024T174109 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T174249\_20171024T175622\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T181854\_20171024T182540\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T183024\_20171024T183456\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T183739\_20171024T184328\_C001 CS OFFL SIR LRM 2 20171024T184450 20171024T184657 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T191412\_20171024T193449\_C001

Height Error (Retracker 2), Backscatter Error (Retracker 2) 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), Backscatter Error (Retracker 2) Surface Model Unavailable 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), 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) Surface Model Unavailable 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), 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), 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), 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)

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

for Retracker 3 for one or more records

CS\_OFFL\_SIR\_LRM\_2\_\_20171024T195119\_20171024T201849\_C001 CS OFFL SIR LRM 2 20171024T205048 20171024T211417 C001 CS OFFL SIR LRM 2 20171024T212313 20171024T212639 C001 CS OFFL SIR LRM 2 20171024T213033 20171024T214106 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T214644\_20171024T220259\_C001 CS OFFL SIR LRM 2 20171024T221805 20171024T221837 C001 CS OFFL SIR LRM 2 20171024T222747 20171024T224603 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171024T225747\_20171024T230543\_C001 CS OFFL SIR LRM 2 20171024T231123 20171024T234256 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171024T004534\_20171024T004628\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171024T012657\_20171024T012811\_C001 CS OFFL SIR SIN 2 20171024T013316 20171024T013632 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171024T030750\_20171024T031027\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171024T031220\_20171024T031805\_C001 CS OFFL SIR SIN 2 20171024T040307 20171024T040427 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171024T040703\_20171024T040820\_C001 CS OFFL SIR SIN 2 20171024T044603 20171024T044924 C001 CS OFFL SIR SIN 2 20171024T045131 20171024T045224 C001 CS OFFL SIR SIN 2 20171024T045632 20171024T045808 C001 CS OFFL SIR SIN 2 20171024T054218 20171024T054324 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171024T054416\_20171024T054511\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171024T062521\_20171024T062720\_C001 CS OFFL SIR SIN 2 20171024T063534 20171024T063721 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171024T072131\_20171024T072717\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171024T080453\_20171024T080610\_C001 CS\_OFFL\_SIR\_SIN\_2\_20171024T080814\_20171024T080852\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171024T081406\_20171024T081643\_C001 CS OFFL SIR SIN 2 20171024T085449 20171024T085518 C001 CS OFFL SIR SIN 2 20171024T094413 20171024T094533 C001 CS OFFL SIR SIN 2 20171024T094625 20171024T094817 C001 CS OFFL SIR SIN 2 20171024T095422 20171024T095546 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171024T112401\_20171024T112726\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171024T113252\_20171024T113409\_C001 CS OFFL SIR SIN 2 20171024T130305 20171024T130624 C001 CS OFFL SIR SIN 2 20171024T131142 20171024T131305 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171024T144000\_20171024T144148\_C001 CS\_OFFL\_SIR\_SIN\_2\_20171024T145029\_20171024T145148\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171024T152911\_20171024T153017\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171024T153316\_20171024T153420\_C001 CS OFFL SIR SIN 2 20171024T161834 20171024T162009 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171024T162557\_20171024T162600\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171024T162738\_20171024T162938\_C001 CS OFFL SIR SIN 2 20171024T171156 20171024T171334 C001 CS OFFL SIR SIN 2 20171024T175748 20171024T175935 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171024T180455\_20171024T180500\_C001 CS OFFL SIR SIN 2 20171024T180615 20171024T181108 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171024T181112\_20171024T181308\_C001 CS OFFL SIR SIN 2 20171024T184658 20171024T185207 C001 CS OFFL SIR SIN 2 20171024T193654 20171024T194004 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171024T194353\_20171024T194359\_C001

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), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Surface Model Unavailable Height Error (Retracker 2), Height Error (Retracker 3), 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 SARIn X-track Angle Error, Surface Aodel 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 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 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 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 and a height error for Retracker 3 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 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 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 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_220171024T194653_20171024T194910_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171024T211621_20171024T211747_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171024T212639_20171024T212801_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171024T221507_20171024T221542_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_220171024T225623_20171024T225747_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171024T230544_20171024T230655_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	157	157	157	0	0
SIR_LRM_2	156	156	156	0	0
SIR_LRMI2_	156	156	156	0	0
SIR_SAR_1B	88	88	88	0	0
SIR_SAR_2	88	88	88	0	0
SIR_SARI2_	88	88	88	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: 180