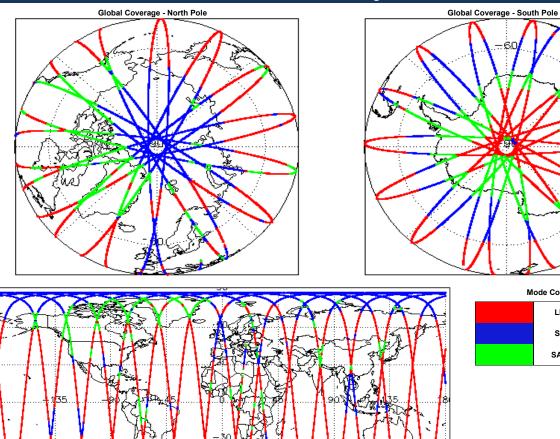


# IDEAS+ Daily Report for OFFLINE data:

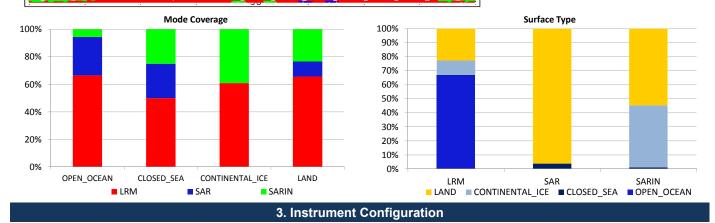
29/10/2017

1. Overview					
Report Production Date:	29-Nov-2017	Check	Status		
•		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		
Data Oseu.		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 / Instrument News					
28-Oct-2017 None					
29-Oct-2017 None					
30-Oct-2017 Nothing planned					
2. Global Coverage					



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Mode Coverage (%) 21.0 LRM SAR 13.4 SARIn 0.0



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

### 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.

Product	Test Failed	Description		
CS_OFFL_SIR_LRM_220171029T001343_20171029T002655_C001		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_220171029T004451_20171029T010551_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_220171029T010836_20171029T012017_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\_\_20171029T014204\_20171029T014657\_C001 CS OFFL SIR LRM 2 20171029T014835 20171029T020628 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T021416\_20171029T021640\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T022408\_20171029T025850\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T031156\_20171029T033141\_C001 CS OFFL SIR LRM 2 20171029T033155 20171029T034437 C001 CS OFFL SIR LRM 2 20171029T035352 20171029T035548 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T040320\_20171029T041811\_C001 CS OFFL SIR LRM 2 20171029T042015 20171029T043011 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T045221\_20171029T050856\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T053221\_20171029T053509\_C001 CS OFFL SIR LRM 2 20171029T055818 20171029T055928 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T063037\_20171029T063049\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T063128\_20171029T063348\_C001 CS OFFL SIR LRM 2 20171029T064345 20171029T070635 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T071021\_20171029T071855\_C001 CS OFFL SIR LRM 2 20171029T072239 20171029T074636 C001 CS OFFL SIR LRM 2 20171029T081912 20171029T083246 C001 CS OFFL SIR LRM 2 20171029T083506 20171029T084547 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T090203\_20171029T092745\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T095326\_20171029T100849\_C001 CS OFFL SIR LRM 2 20171029T101421 20171029T102325 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T104107\_20171029T104513\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T113032\_20171029T120326\_C001 CS OFFL SIR LRM 2 20171029T122137 20171029T123711 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T130738\_20171029T133746\_C001 CS OFFL SIR LRM 2 20171029T133757 20171029T134247 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T135058\_20171029T135510\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T140033\_20171029T143405\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T144634\_20171029T150751\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T150754\_20171029T152200\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T154056\_20171029T155321\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T155441\_20171029T161129\_C001 CS OFFL SIR LRM 2 20171029T163315 20171029T164423 C001 CS OFFL SIR LRM 2 20171029T164627 20171029T170047 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T171730\_20171029T172213\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T173509\_20171029T174746\_C001 CS OFFL SIR LRM 2 20171029T174909 20171029T175127 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T175211\_20171029T175221\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T182541\_20171029T183930\_C001 CS OFFL SIR LRM 2 20171029T184839 20171029T184955 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T185551\_20171029T192113\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T195447\_20171029T201839\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T202737\_20171029T203101\_C001 CS OFFL SIR LRM 2 20171029T203436 20171029T204531 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T205103\_20171029T210057\_C001

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 Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) ecords Surface Model Unavailable Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter records Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) ecords Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Erro (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) records 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) records Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) records 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) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) 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 There is a height and backscatter error for Retracker 2 for one or more 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 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 There is a height and backscatter error for Retracker 2 for one or more There is a height and backscatter error for Retracker 2 for one or more There is a height and backscatter error for Retracker 2 for one or more 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 There is a height and backscatter error for Retracker 2 for one or more There is a height and backscatter error for Retracker 2 for one or more 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 There is a height and backscatter error for Retracker 2 for one or more There is a height and backscatter error for Retracker 2 for one or more 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 There is a height and backscatter error for Retracker 2 for one or more 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 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 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 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 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 There is a height and backscatter error for Retracker 2 for one or more 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 There is a height and backscatter error for Retracker 2 for one or more 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 There is a height and backscatter error for Retracker 2 for one or more

CS\_OFFL\_SIR\_LRM\_2\_\_20171029T213223\_20171029T215804\_C001 CS OFFL SIR LRM 2 20171029T220635 20171029T221004 C001 CS OFFL SIR LRM 2 20171029T221518 20171029T222446 C001 CS OFFL SIR LRM 2 20171029T222737 20171029T224802 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T225942\_20171029T230236\_C001 CS OFFL SIR LRM 2 20171029T231250 20171029T232116 C001 CS OFFL SIR LRM 2 20171029T233305 20171029T233443 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20171029T234133\_20171029T234657\_C001 CS\_OFFL\_SIR\_SIN\_2\_20171029T003101\_20171029T003227\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171029T003739\_20171029T004040\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171029T021113\_20171029T021415\_C001 CS OFFL SIR SIN 2 20171029T021641 20171029T022155 C001 CS OFFL SIR SIN 2 20171029T030742 20171029T031141 C001 CS OFFL SIR SIN 2 20171029T035118 20171029T035352 C001 CS OFFL SIR SIN 2 20171029T035548 20171029T035735 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171029T040051\_20171029T040218\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171029T044630\_20171029T044745\_C001 CS OFFL SIR SIN 2 20171029T044942 20171029T045220 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171029T052618\_20171029T053220\_C001 CS OFFL SIR SIN 2 20171029T053509 20171029T053522 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171029T053952\_20171029T054134\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171029T062554\_20171029T062813\_C001 CS OFFL SIR SIN 2 20171029T070835 20171029T071021 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171029T071856\_20171029T072040\_C001 CS\_OFFL\_SIR\_SIN\_2\_20171029T080524\_20171029T081007\_C001 CS OFFL SIR SIN 2 20171029T084813 20171029T084947 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171029T085116\_20171029T085234\_C001 CS OFFL SIR SIN 2 20171029T085653 20171029T085938 C001 CS OFFL SIR SIN 2 20171029T102758 20171029T103146 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171029T103732\_20171029T103849\_C001 CS OFFL SIR SIN 2 20171029T111824 20171029T111912 C001 CS OFFL SIR SIN 2 20171029T120736 20171029T121051 C001 CS\_OFFL\_SIR\_SIN\_2\_20171029T121603\_20171029T121722\_C001 CS OFFL SIR SIN 2 20171029T134453 20171029T134903 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171029T135510\_20171029T135620\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171029T143417\_20171029T143503\_C001 CS OFFL SIR SIN 2 20171029T143506 20171029T143642 C001 CS OFFL SIR SIN 2 20171029T143724 20171029T143844 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171029T152301\_20171029T152427\_C001 CS OFFL SIR SIN 2 20171029T153224\_20171029T153408\_C001 CS\_OFFL\_SIR\_SIN\_2\_20171029T161130\_20171029T161552\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171029T161638\_20171029T161754\_C001 CS OFFL SIR SIN 2 20171029T170210 20171029T170353 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171029T170918\_20171029T170924\_C001 CS OFFL SIR SIN 2 20171029T171043 20171029T171318 C001 CS OFFL SIR SIN 2 20171029T171529 20171029T171659 C001 CS OFFL SIR SIN 2 20171029T175221 20171029T175648 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171029T184134\_20171029T184327\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171029T184817\_20171029T184822\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171029T184832\_20171029T184838\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20171029T184955\_20171029T185322\_C001

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), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) 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, Surface Model Unavailable SARIn X-track Angle Error SARIn X-track Angle Error, Surface Model Unavailable 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

records

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 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 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 ambigu ous 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 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 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

CS_OFFL_SIR_SIN_220171029T194017_20171029T194055_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_220171029T202101_20171029T202326_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171029T202715_20171029T202720_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171029T203102_20171029T203241_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171029T220016_20171029T220140_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171029T220629_20171029T220634_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171029T221004_20171029T221140_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171029T234009_20171029T234133_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220171029T234658_20171029T235009_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	161	161	161	0	0
SIR_LRM_2	161	161	161	0	0
SIR_LRMI2_	161	161	161	0	0
SIR_SAR_1B	103	103	103	0	0
SIR_SAR_2	103	103	102	0	1
SIR_SARI2_	103	103	99	0	4
SIR_SIN_1B	105	105	105	0	0
SIR_SIN_2	105	105	105	0	0
SIR_SINI2	105	105	105	0	0
SIR_GDR_2	14	14	14	0	0

### 6.1 QCC Errors

Number of products with QCC errors:

Product Type	Product Start Time	Test Abbreviation	Test name
SIR_SARI2_	20171029T075954	STRUCTURESIZEANDREADHEADER	Error under investigation
SIR_SARI2_	20171029T121723	STRUCTURESIZEANDREADHEADER	Error under investigation
SIR_SARI2_	20171029T170047	STRUCTURESIZEANDREADHEADER	Error under investigation
SIR_SARI2_	20171029T111912	STRUCTURESIZEANDREADHEADER	Error under investigation
SIR_SAR_2_	20171029T075954	STRUCTURESIZEANDREADHEADER	Error under investigation

5

0

### 6.2 QCC Warnings

Number of QCC reports with warnings

### 6.2 Missing QCC Reports

Number of products with missing QCC reports: 186