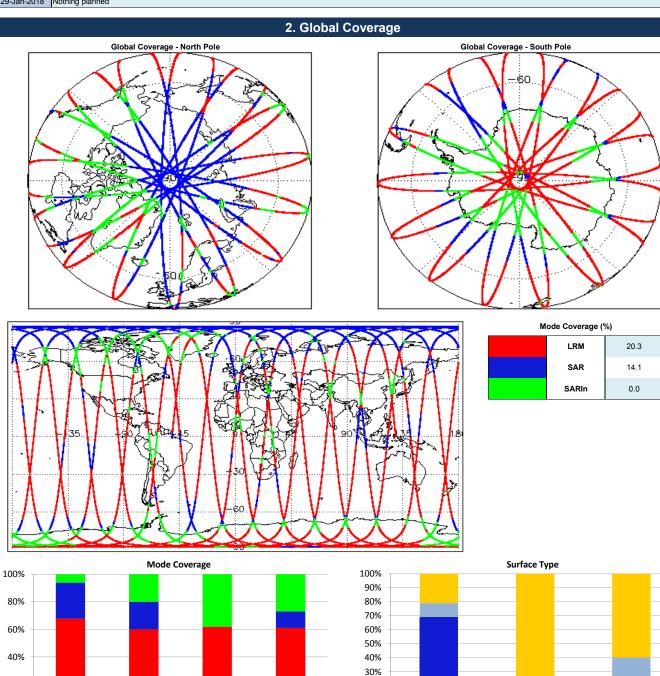


# IDEAS+ Daily Report for OFFLINE data:

<u>28/01/2018</u>

1. Overview							
Report Production Date:	28-Feb-2018	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				
		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				
Aission / Instrument News							
27-Jan-2018 None							
28-Jan-2018 None							
29-Jan-2018 Nothing planned							



20% 10%

0%

3. Instrument Configuration

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

LAND

SARIN

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:

#### 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

#### Number of products with errors.

Product

CS\_OFFL\_SIR\_LRM\_1B\_20180128T135149\_20180128T135325\_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.

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_220180128T000024_20180128T000946_C001	Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 and a height error
CS_OFFL_SIK_LRIVI_2201001261000024_201001261000940_0001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180128T003709_20180128T004908_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_220180128T011225_20180128T011526_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180128T012217_20180128T013652_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_220180128T021523_20180128T022235_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_220180128T022358_20180128T024805_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_220180128T025037_20180128T025902_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180128T030132_20180128T032719_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_220180128T033643_20180128T033721_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_220180128T040043_20180128T040947_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_220180128T041521_20180128T042617_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_220180128T044022_20180128T050729_C001	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), Height Error	records There is a height and backscatter error for Retracker 2 and a height error
CS_OFFL_SIR_LRM_220180128T053309_20180128T054901_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180128T061909_20180128T062522_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_220180128T065640_20180128T065742_C001	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), Height Error	There is a height and backscatter error for Retracker 2 and a height error
CS_OFFL_SIR_LRM_220180128T071102_20180128T074522_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180128T075811_20180128T081744_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_220180128T084937_20180128T091822_C001	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
CS_OFFL_SIR_LRM_220180128T091825_20180128T092331_C001	(Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180128T093109_20180128T093523_C001	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), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180128T093847_20180128T101343_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180128T103014_20180128T104039_C001	Error (Retracker 2) Height Error (Retracker 2), Height Error	records
CS_OFFL_SIR_LRM_220180128T104519_20180128T104728_C001	(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_220180128T104742_20180128T110304_C001	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
CC OFFL SID LDM 2 204004007442442 204004007442224 C004	(Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180128T112112_20180128T113334_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180128T113524_20180128T114915_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180128T114932_20180128T115241_C001	Error (Retracker 2) Height Error (Retracker 2), Height Error	records
CS_OFFL_SIR_LRM_220180128T121508_20180128T122439_C001	(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_220180128T122641_20180128T124157_C001	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) Height Error (Retracker 2), Backscatter	for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180128T125706_20180128T130018_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180128T131501_20180128T131908_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180128T131914_20180128T132759_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180128T140504_20180128T142104_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_220180128T142850_20180128T143015_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180128T143441_20180128T150919_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_220180128T152341_20180128T152635_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more records
	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more coverde
CS_OFFL_SIR_LRM_2_20180128T160749_20180128T161113_C001	Error (Retracker 2) Surface Model Unavailable	records No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180128T161338_20180128T162542_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_2201801281164304_201801281164343_C001	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
CS_OFFL_SIR_LRM_220180128T164351_20180128T164552_C001	Error (Retracker 2) Height Error (Retracker 2), Height Error	records
CS_OFFL_SIR_LRM_220180128T170950_20180128T174024_C001	(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_220180128T174646_20180128T175018_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180128T175413_20180128T182805_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_220180128T184100_20180128T184252_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_220180128T191232_20180128T191455_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\_\_20180128T192147\_20180128T192709\_C001 CS\_OFFL\_SIR\_LRM\_2\_20180128T193257\_20180128T195514\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20180128T195800\_20180128T200715\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20180128T201944\_20180128T202315\_C001 CS OFFL SIR LRM 2 20180128T203039 20180128T203559 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20180128T203920\_20180128T204410\_C001 CS OFFL SIR LRM 2 20180128T204557 20180128T205912 C001 CS\_OFFL\_SIR\_LRM\_2\_20180128T210116\_20180128T210608\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20180128T211219\_20180128T211824\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20180128T211833\_20180128T214427\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20180128T220528\_20180128T223347\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20180128T225148\_20180128T230933\_C001 CS OFFL SIR LRM 2 20180128T231414 20180128T232137 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20180128T234247\_20180128T235818\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180128T002642\_20180128T002755\_C001 CS OFFL SIR SIN 2 20180128T002932 20180128T003200 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180128T010631\_20180128T011225\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180128T012005\_20180128T012149\_C001 CS OFFL SIR SIN 2 20180128T020604 20180128T020826 C001 CS OFFL SIR SIN 2 20180128T024845 20180128T025037 C001 CS OFFL SIR SIN 2 20180128T025902 20180128T030106 C001 CS OFFL SIR SIN 2 20180128T033943 20180128T034001 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180128T042824\_20180128T043002\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180128T043123\_20180128T043248\_C001 CS OFFL SIR SIN 2 20180128T043704 20180128T043956 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180128T060816\_20180128T061159\_C001 CS\_OFFL\_SIR\_SIN\_2\_20180128T061742\_20180128T061856\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180128T074747\_20180128T075103\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180128T075615\_20180128T075739\_C001 CS OFFL SIR SIN 2 20180128T083836 20180128T083930 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180128T092501\_20180128T092857\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180128T093523\_20180128T093630\_C001 CS OFFL SIR SIN 2 20180128T101418 20180128T101618 C001 CS OFFL SIR SIN 2 20180128T101738 20180128T101854 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180128T110308\_20180128T110441\_C001 CS OFFL SIR SIN 2 20180128T111229 20180128T111411 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180128T115241\_20180128T115626\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180128T115630\_20180128T115807\_C001 CS OFFL SIR SIN 2 20180128T124222 20180128T124407 C001 CS OFFL SIR SIN 2 20180128T124930 20180128T124936 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180128T125054\_20180128T125706\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180128T133253\_20180128T133655\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180128T142137\_20180128T142348\_C001 CS OFFL SIR SIN 2 20180128T142829 20180128T142835 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180128T142844\_20180128T142850\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180128T143015\_20180128T143334\_C001 CS OFFL SIR SIN 2 20180128T160110 20180128T160328 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180128T160729\_20180128T160732\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180128T161113\_20180128T161228\_C001

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 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), 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), 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 SARIn X-track Angle Error records SARIn X-track Angle Error, Surface Model Unavailable SARIn X-track Angle Error records SARIn X-track Angle Error records SARIn X-track Angle Error, Surface Model Unavailable SARIn X-track Angle Error records SARIn X-track Angle Error, Surface Model Unavailable SARIn X-track Angle Error records SARIn X-track Angle Error records SARIn X-track Angle Error, Surface Model Unavailable SARIn X-track Angle Error, Surface Model Unavailable SARIn X-track Angle Error records SARIn X-track Angle Error 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 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 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 An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more 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 An ambiguous angle was detected for SARIn mode for one or more 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 An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more 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 An ambiguous angle was detected for SARIn mode for one or more 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 An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more

CS_OFFL_SIR_SIN_220180128T170109_20180128T170136_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_220180128T174037_20180128T174201_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180128T174642_20180128T174646_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180128T175018_20180128T175136_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180128T192020_20180128T192147_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180128T192709_20180128T193019_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180128T201831_20180128T201913_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_220180128T210001_20180128T210116_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180128T210608_20180128T210935_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180128T220132_20180128T220223_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_220180128T224045_20180128T224320_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180128T224513_20180128T224836_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180128T224924_20180128T225140_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180128T233553_20180128T233714_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180128T234027_20180128T234247_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	170	170	170	0	0
SIR_LRM_2	169	169	169	0	0
SIR_LRMI2_	169	169	169	0	0
SIR_SAR_1B	115	115	115	0	0
SIR_SAR_2	115	115	115	0	0
SIR_SARI2_	115	115	115	0	0
SIR_SIN_1B	108	108	108	0	0
SIR_SIN_2	108	108	108	0	0
SIR SINI2	108	108	108	0	0
SIR GDR 2	15	15	15	0	0

### 6.1 QCC Errors

Number of products with QCC errors:

0

0

# 6.2 QCC Warnings

Number of QCC reports with warnings

# 6.2 Missing QCC Reports

Number of products with missing QCC reports: 180