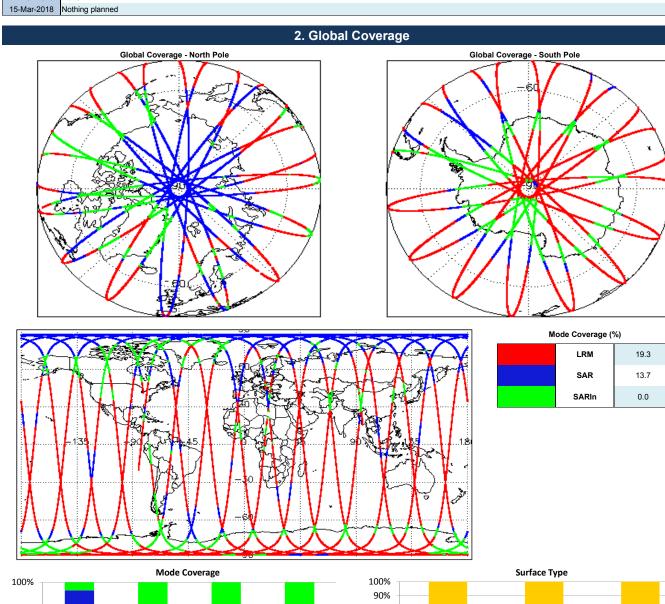
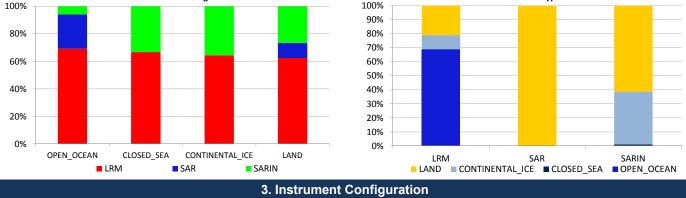


# IDEAS+ Daily Report for OFFLINE data:

<u>14/03/2018</u>

Report Production Date:	12-Apr-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	See Section 4.2	
		Star Tracker Usage Check	Nominal	
		L1B Calibration Usage Check	Nominal	
		L1B & L2 Auxiliary Data File Usage Check	Nominal	
		L1B & L2 Auxiliary Correction Error Check	Nominal	
		L1B & L2 Measurement Confidence Data Check	See Section 4.7 and 5.5	





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

SIRAL instrument(s) in use: SIRA

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 orden Number of products with errors: 1	er to identify any inconsistencies and/or errors raised by the ground-segment processing chain.
Product	Test Failed
CS_OFFL_SIR_SAR_1B_20180314T200220_20180314T200221_C001	Percentage of processing errors detected greater than minimum acceptable threshold.
4.3 Star Tracker Usage Check	

Each product is checked in order to ensure a valid star tracker file has been used in processing.

Number of products with errors:

## 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: 0

### 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:

### 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:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20180314T044331_20180314T045304_C001		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.

Number of products with errors:

## 5.4 L2 Auxiliary Correction Error Check

CryoSat L2 data includes a correction error flag (field 30) for each measurement record. The bit value of this flag indicates any problems when set.

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 Height Error (Retracker 2), Backscatter	Description There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180313T235816_20180314T000223_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_220180314T003630_20180314T010333_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_220180314T010845_20180314T011403_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more record
CS_OFFL_SIR_LRM_220180314T011639_20180314T014159_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_220180314T021441_20180314T022513_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 en for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180314T023050_20180314T024218_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 en for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180314T025540_20180314T031724_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 er for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180314T033222_20180314T033356_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 er for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180314T034730_20180314T042153_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_220180314T043415_20180314T044039_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_220180314T051134_20180314T051400_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_220180314T052700_20180314T053525_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_220180314T053809_20180314T060115_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180314T061314_20180314T063316_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 2 201803141070533 201803141073904 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_220180314T075724_20180314T082850_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_220180314T084857_20180314T085602_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_2_20180314T090043_20180314T090202_C001	Error (Retracker 2) Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 for one of more There is a height and backscatter error for Retracker 2 and a height er
CS_OFFL_SIR_LRM_220180314T090205_20180314T091826_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180314T093539_20180314T094902_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_220180314T095116_20180314T100319_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_220180314T103040_20180314T104102_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 er for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180314T104242_20180314T105738_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_220180314T111910_20180314T112533_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_220180314T121428_20180314T123647_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_220180314T124945_20180314T131843_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_220180314T135045_20180314T141616_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_220180314T142308_20180314T142634_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more reco
CS_OFFL_SIR_LRM_220180314T142852_20180314T144104_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 20180314T144642 20180314T150253 C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180314T152601_20180314T154609_C001	Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	records There is a height and backscatter error for Retracker 2 and a height er for Retracker 3 for one or more records
CS OFFL SIR LRM 2 20180314T155740 20180314T160538 C001	(Retracker 2) Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more reco
	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_2_20180314T160822_20180314T164248_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_2_20180314T165617_20180314T165715_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_220180314T171807_20180314T173534_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_220180314T173713_20180314T174227_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more reco
CS_OFFL_SIR_LRM_220180314T174748_20180314T181042_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_220180314T181328_20180314T182255_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 er for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180314T183610_20180314T183822_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_220180314T185330_20180314T185933_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 e for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180314T190121_20180314T191440_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_220180314T191851_20180314T192128_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more reco
CS_OFFL_SIR_LRM_220180314T192731_20180314T195927_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 er for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180314T201725_20180314T204903_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180314T205840_20180314T210035_C001	Error (Retracker 2) Surface Model Unavailable	records No DEM or Slope Model was used for the location of one or more reco
	Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 and a height er
CS_OFFL_SIR_LRM_220180314T210706_20180314T213604_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records

CS\_OFFL\_SIR\_LRM\_2\_\_20180314T215743\_20180314T215934\_C001 CS OFFL SIR LRM 2 20180314T220142 20180314T221342 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20180314T223715\_20180314T223954\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20180314T224626\_20180314T230128\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20180314T230308\_20180314T230551\_C001 CS OFFL SIR LRM 2 20180314T233958 20180314T234548 C001 CS OFFL SIR LRM 2 20180314T234831 20180315T001250 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180314T002128\_20180314T002715\_C001 CS OFFL SIR SIN 2 20180314T010447 20180314T010604 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180314T010809\_20180314T010845\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180314T011404\_20180314T011639\_C001 CS OFFL SIR SIN 2 20180314T015449 20180314T015517 C001 CS OFFL SIR SIN 2 20180314T024406 20180314T024526 C001 CS OFFL SIR SIN 2 20180314T024621 20180314T024812 C001 CS OFFL SIR SIN 2 20180314T025417 20180314T025540 C001 CS OFFL SIR SIN 2 20180314T042355 20180314T042720 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180314T043248\_20180314T043405\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180314T060259\_20180314T060620\_C001 CS OFFL SIR SIN 2 20180314T061138 20180314T061300 C001 CS OFFL SIR SIN 2 20180314T065248 20180314T065515 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180314T074003\_20180314T074146\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180314T075028\_20180314T075144\_C001 CS OFFL SIR SIN 2 20180314T082910 20180314T083016 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180314T083313\_20180314T083417\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180314T091827\_20180314T092003\_C001 CS OFFL SIR SIN 2 20180314T092552 20180314T092555 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180314T092733\_20180314T092933\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180314T101116\_20180314T101331\_C001 CS OFFL SIR SIN 2 20180314T105742 20180314T105929 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180314T110450\_20180314T110455\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180314T110506\_20180314T110508\_C001 CS OFFL SIR SIN 2 20180314T110610 20180314T111109 C001 CS OFFL SIR SIN 2 20180314T111112 20180314T111304 C001 CS OFFL SIR SIN 2 20180314T114653 20180314T115206 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180314T123647\_20180314T123956\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180314T124348\_20180314T124354\_C001 CS OFFL SIR SIN 2 20180314T124403 20180314T124409 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180314T124644\_20180314T124905\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180314T141616\_20180314T141740\_C001 CS\_OFFL\_SIR\_SIN\_2\_20180314T142302\_20180314T142308\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180314T142634\_20180314T142756\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180314T151504\_20180314T151539\_C001 CS OFFL SIR SIN 2 20180314T155616 20180314T155740 C001 CS OFFL SIR SIN 2 20180314T160539 20180314T160651 C001 CS OFFL SIR SIN 2 20180314T173547 20180314T173713 C001 CS OFFL SIR SIN 2 20180314T174228 20180314T174531 C001 CS OFFL SIR SIN 2 20180314T191544 20180314T191850 C001 CS OFFL SIR SIN 2 20180314T192129 20180314T192636 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180314T201235\_20180314T201619\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180314T205606\_20180314T205840\_C001 CS OFFL SIR SIN 2 20180314T210036 20180314T210241 C001

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) 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) 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 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 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 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 record 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 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 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 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

CS_OFFL_SIR_SIN_220180314T210541_20180314T210702_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180314T215119_20180314T215235_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_220180314T215524_20180314T215739_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180314T223104_20180314T223715_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180314T223955_20180314T224012_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180314T224441_20180314T224622_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180314T233049_20180314T233301_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180314T233354_20180314T233621_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
		#N/A

# 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	153	153	153	0	0
SIR_LRM_2	151	151	151	0	0
SIR_LRMI2_	151	151	151	0	0
SIR_SAR_1B	102	102	102	0	0
SIR_SAR_2	101	101	101	0	0
SIR_SARI2_	101	101	101	0	0
SIR_SIN_1B	102	102	102	0	0
SIR_SIN_2	102	102	102	0	0
SIR_SINI2	102	102	102	0	0
SIR_GDR_2	14	14	14	0	0

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: 182