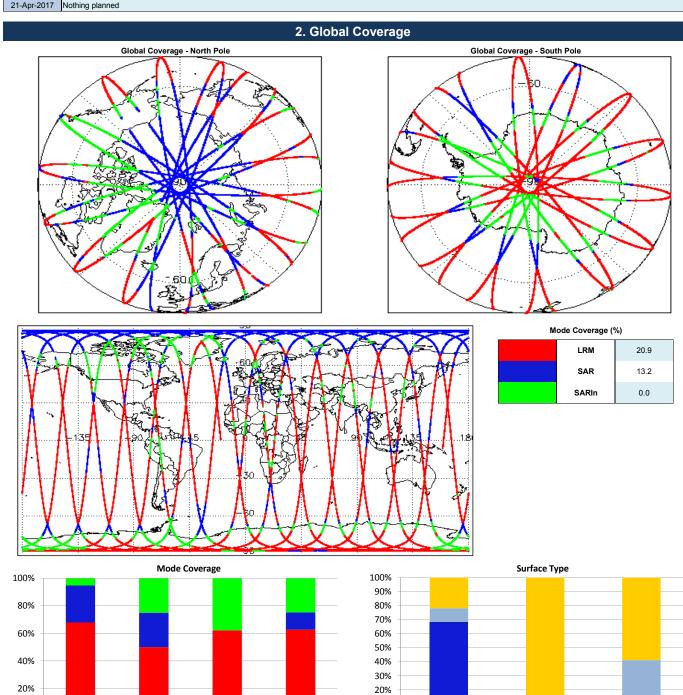


# IDEAS+ Daily Report for OFFLINE data:

20/04/2017

eport Production Date:	18 May 2017	Check	Status
eport Production Date.	18-May-2017	Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal
riocessor Useu.		Product Software Check	Nominal
Data Used:	L1B and L2 OFFLINE Data	Product Format Check	Nominal
Data Used:	LID and LZ OFFLINE Data	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
		-	See Section 4.7 and 5.5
ission / Instrument News			
19-Apr-2017 None			
20-Apr-2017 None			
21 Apr 2017 Nothing planned			



10%

0%

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

3. Instrument Configuration

SARIN

LAND

CONTINENTAL\_ICE

SAR

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

CLOSED\_SEA

LRM

OPEN\_OCEAN

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

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: 2

# Product Test Failed Description CS\_OFFL\_SIR\_LRM\_1B\_20170420T145237\_20170420T150654\_C001 Echo error, TRK echo error The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo CS\_OFFL\_SIR\_LRM\_1B\_20170420T182328\_20170420T182843\_C001 Echo error, TRK echo error 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: 0

## 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.

## 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:

Product
CS_OFFL_SIR_LRM_220170419T234058_20170420T001703_C001
CS_OFFL_SIR_LRM_220170420T003319_20170420T004356_C001
CS_OFFL_SIR_LRM_220170420T004836_20170420T005044_C001
CS_OFFL_SIR_LRM_220170420T005054_20170420T010609_C001
CS_OFFL_SIR_LRM_220170420T012429_20170420T013652_C001
CS_OFFL_SIR_LRM_220170420T013842_20170420T015127_C001
CS_OFFL_SIR_LRM_220170420T015235_20170420T015559_C001
CS_OFFL_SIR_LRM_220170420T021826_20170420T022755_C001
CS_OFFL_SIR_LRM_220170420T022957_20170420T024512_C001
CS_OFFL_SIR_LRM_220170420T031820_20170420T032226_C001
CS_OFFL_SIR_LRM_220170420T032230_20170420T033119_C001
CS_OFFL_SIR_LRM_220170420T040822_20170420T042413_C001
CS_OFFL_SIR_LRM_220170420T043205_20170420T043329_C001
CS_OFFL_SIR_LRM_220170420T043754_20170420T050113_C001
CS_OFFL_SIR_LRM_220170420T050116_20170420T050513_C001
CS_OFFL_SIR_LRM_220170420T052700_20170420T052955_C001
CS_OFFL_SIR_LRM_220170420T053751_20170420T060344_C001
CS_OFFL_SIR_LRM_220170420T061104_20170420T061428_C001
CS_OFFL_SIR_LRM_220170420T063433_20170420T064429_C001
CS_OFFL_SIR_LRM_220170420T064624_20170420T064702_C001
CS_OFFL_SIR_LRM_220170420T064717_20170420T064911_C001
CS_OFFL_SIR_LRM_220170420T071613_20170420T074341_C001
CS_OFFL_SIR_LRM_220170420T075001_20170420T075333_C001
CS_OFFL_SIR_LRM_220170420T075648_20170420T083125_C001
CS_OFFL_SIR_LRM_220170420T084442_20170420T084609_C001
CS_OFFL_SIR_LRM_220170420T092502_20170420T093024_C001
CS_OFFL_SIR_LRM_220170420T093615_20170420T095833_C001
CS_OFFL_SIR_LRM_220170420T100119_20170420T101017_C001
CS_OFFL_SIR_LRM_220170420T104237_20170420T104726_C001
CS_OFFL_SIR_LRM_220170420T104913_20170420T110200_C001
CS_OFFL_SIR_LRM_220170420T110431_20170420T110923_C001
CS_OFFL_SIR_LRM_220170420T111529_20170420T112141_C001
CS_OFFL_SIR_LRM_220170420T112150_20170420T114806_C001
CS_OFFL_SIR_LRM_220170420T120853_20170420T123702_C001
CS_OFFL_SIR_LRM_220170420T125525_20170420T131251_C001
CS_OFFL_SIR_LRM_220170420T131733_20170420T132458_C001
CS_OFFL_SIR_LRM_220170420T134614_20170420T140134_C001
CS_OFFL_SIR_LRM_220170420T140348_20170420T141846_C001
CS_OFFL_SIR_LRM_220170420T143427_20170420T144920_C001
CS_OFFL_SIR_LRM_220170420T145059_20170420T145234_C001
CS_OFFL_SIR_LRM_220170420T145237_20170420T150654_C001
CS_OFFL_SIR_LRM_220170420T152905_20170420T153503_C001
CS_OFFL_SIR_LRM_220170420T153625_20170420T153842_C001
CS_OFFL_SIR_LRM_220170420T154503_20170420T160022_C001
CS_OFFL_SIR_LRM_220170420T161404_20170420T163648_C001
CS_OFFL_SIR_LRM_220170420T171228_20170420T173935_C001

Test Failed Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) ecords 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 Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) ecords 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) ecords 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) Surface Model Unavailable Height Error (Retracker 2), Height Error (Retracker 3) Backscatter Error (Retracker 2) 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), 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), Backscatter Error (Retracker 2) ecords 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 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), 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 Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2)

Description 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 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 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 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 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 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 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 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 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 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

CS_OFFL_SIR_LRM_220170420T174508_20170420T174951_C001
CS_OFFL_SIR_LRM_220170420T175257_20170420T175550_C001
CS_OFFL_SIR_LRM_220170420T175558_20170420T181908_C001
CS_OFFL_SIR_LRM_220170420T190707_20170420T191825_C001
CS_OFFL_SIR_LRM_220170420T193155_20170420T200054_C001
CS_OFFL_SIR_LRM_220170420T200823_20170420T200909_C001
CS OFFL SIR LRM 2 20170420T202306 20170420T205725 C001
CS_0FFL_SIR_LRM_220170420T214635_20170420T215032_C001
CS_OFFL_SIR_LRM_220170420T221424_20170420T223639_C001
CS_0FFL_SIR_LRM_220170420T224945_20170420T230255_C001
CS_OFFL_SIR_LRM_220170420T230443_20170420T231053_C001
CS_OFFL_SIR_LRM_220170420T231237_20170420T231719_C001
CS_OFFL_SIR_LRM_220170420T234151_20170421T001506_C001
CS_OFFL_SIR_SIN_2_20170420T001739_20170420T001939_C001
CS_OFFL_SIR_SIN_220170420T010623_20170420T010756_C001
CS_OFFL_SIR_SIN_2_20170420T011544_20170420T011726_C001
CS_OFFL_SIR_SIN_220170420T015600_20170420T015946_C001
CS_OFFL_SIR_SIN_220170420T015951_20170420T020127_C001
CS_OFFL_SIR_SIN_220170420T024537_20170420T024721_C001
CS_OFFL_SIR_SIN_220170420T025409_20170420T030022_C001
CS_OFFL_SIR_SIN_220170420T033613_20170420T034015_C001
CS_OFFL_SIR_SIN_220170420T042452_20170420T042702_C001
CS_OFFL_SIR_SIN_220170420T043159_20170420T043205_C001
CS_OFFL_SIR_SIN_220170420T043330_20170420T043649_C001
CS_OFFL_SIR_SIN_220170420T060425_20170420T060643_C001
CS_OFFL_SIR_SIN_220170420T061044_20170420T061047_C001
CS_OFFL_SIR_SIN_220170420T061429_20170420T061543_C001
CS_OFFL_SIR_SIN_220170420T070428_20170420T070455_C001
CS_OFFL_SIR_SIN_2_20170420T074352_20170420T074515_C001
CS_OFFL_SIR_SIN_220170420T074957_20170420T075001_C001
CS_OFFL_SIR_SIN_220170420T075333_20170420T075451_C001
CS_OFFL_SIR_SIN_220170420T092335_20170420T092501_C001
CS_OFFL_SIR_SIN_220170420T093024_20170420T093334_C001
CS_OFFL_SIR_SIN_220170420T102151_20170420T102234_C001
CS_OFFL_SIR_SIN_220170420T110316_20170420T110431_C001
CS_OFFL_SIR_SIN_220170420T110923_20170420T111250_C001
CS_OFFL_SIR_SIN_220170420T120451_20170420T120543_C001
CS_OFFL_SIR_SIN_220170420T124400_20170420T124635_C001
CS_OFFL_SIR_SIN_220170420T124828_20170420T125152_C001
CS_OFFL_SIR_SIN_220170420T125238_20170420T125455_C001
CS_OFFL_SIR_SIN_220170420T133913_20170420T134033_C001
CS_OFFL_SIR_SIN_220170420T134346_20170420T134606_C001
CS_OFFL_SIR_SIN_220170420T141923_20170420T142524_C001
CS_OFFL_SIR_SIN_220170420T142742_20170420T142819_C001
CS_OFFL_SIR_SIN_220170420T143239_20170420T143417_C001
CS_OFFL_SIR_SIN_220170420T151335_20170420T151419_C001
CS_OFFL_SIR_SIN_220170420T151836_20170420T152049_C001
CS_OFFL_SIR_SIN_220170420T152232_20170420T152445_C001

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)
Height Error (Retracker 2), Backscatter Error (Retracker 2)
Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error
(Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2)
Height Error (Retracker 2), Backscatter Error (Retracker 2)
Height Error (Retracker 2), Backscatter Error (Retracker 2)
Height Error (Retracker 2), Backscatter Error (Retracker 2)
Height Error (Retracker 2), Backscatter Error (Retracker 2)
Height Error (Retracker 2), Backscatter Error (Retracker 2)
Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)
Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error
(Retracker 2) SARIn X-track Angle Error
SARIN X-track Angle Error
SARIN X-track Angle Error
SARIN X-track Angle Error
SARIn X-track Angle Error, Surface
Model Unavailable SARIn X-track Angle Error
SARIn X-track Angle Error
SARIn X-track Angle Error, Surface Model Unavailable
SARIn X-track Angle Error
SARIn X-track Angle Error, 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, Surface
Model Unavailable
SARIn X-track Angle Error
SARIn X-track Angle Error SARIn X-track Angle Error, Surface
Model Unavailable SARIn X-track Angle Error
SARIN X-track Angle Error
SARIn X-track Angle Error, Surface
Model Unavailable SARIn X-track Angle Error
SARIn X-track Angle Error

or	No DEM or Slope Model was used for the location of one or more records
51	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
er	There is a height and backscatter error for Retracker 2 for one or more records
er	There is a height and backscatter error for Retracker 2 for one or more records
er	There is a height and backscatter error for Retracker 2 for one or more records
or	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
er	There is a height and backscatter error for Retracker 2 for one or more records
er	There is a height and backscatter error for Retracker 2 for one or more records
er	There is a height and backscatter error for Retracker 2 for one or more records
er	There is a height and backscatter error for Retracker 2 for one or more records
er	There is a height and backscatter error for Retracker 2 for one or more records
er	There is a height and backscatter error for Retracker 2 for one or more records
or	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
or	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 for one or more records
	An ambiguous angle was detected for SARIn mode for one or more records
	An ambiguous angle was detected for SARIn mode for one or more
	records An ambiguous angle was detected for SARIn mode for one or more
	records An ambiguous angle was detected for SARIn mode and no DEM or Slope
	Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more
	records An ambiguous angle was detected for SARIn mode for one or more
	records An ambiguous angle was detected for SARIn mode and no DEM or Slope
	Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more
	records An ambiguous angle was detected for SARIn mode for one or more
	records An ambiguous angle was detected for SARIn mode for one or more
	records An ambiguous angle was detected for SARIn mode for one or more
	records An ambiguous angle was detected for SARIn mode 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 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
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	An ambiguous angle was detected for SARIn mode for one or more
	records An ambiguous angle was detected for SARIn mode for one or more records
	An ambiguous angle was detected for SARIn mode for one or more records
	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
	An ambiguous angle was detected for SARIn mode for one or more records
	An ambiguous angle was detected for SARIn mode for one or more records
	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
	An ambiguous angle was detected for SARIn mode for one or more records
	An ambiguous angle was detected for SARIn mode for one or more records

CS_OFFL_SIR_SIN_220170420T160126_20170420T160314_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170420T161145_20170420T161337_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170420T165748_20170420T170239_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_220170420T174100_20170420T174221_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170420T174415_20170420T174508_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170420T174951_20170420T175206_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170420T183233_20170420T183257_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_220170420T192029_20170420T192149_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170420T192209_20170420T192426_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170420T193022_20170420T193150_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170420T201138_20170420T201200_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_220170420T210020_20170420T210334_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170420T210853_20170420T211011_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170420T223903_20170420T224222_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170420T224749_20170420T224914_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170420T232549_20170420T232634_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_220170420T232818_20170420T233129_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	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR_LRM_1B	150	150	150	0	0
SIR_LRM_2	149	149	149	0	0
SIR_LRMI2_	149	149	149	0	0
SIR_SAR_1B	122	122	122	0	0
SIR_SAR_2	122	122	122	0	0
SIR_SARI2_	122	122	122	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	13	13	13	0	0

6.1 QCC Errors		
Number of products with QCC errors:	0	
6.2 QCC Warnings		
Number of QCC reports with warnings	0	

188

# 6.2 Missing QCC Reports

Number of products with missing QCC reports: