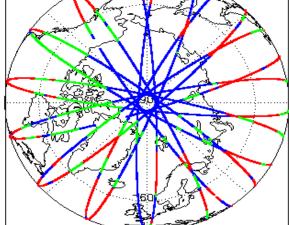
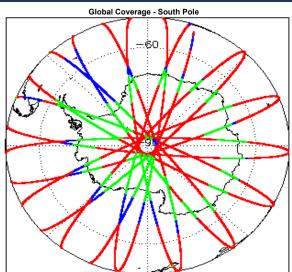


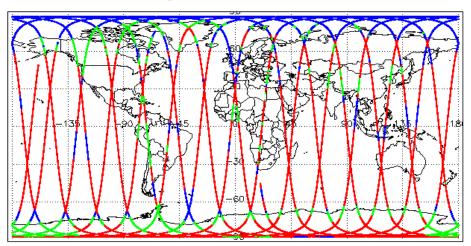
# IDEAS+ Daily Report for OFFLINE data:

27/02/2017

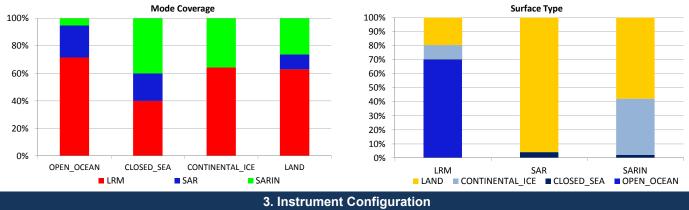
		1. Overview		
Demant Draduction Deter	20 Mar 2017	Che	ck	Status
Report Production Date:	30-Mar-2017	Server check: science	e-pds.cryosat.esa.int	Nominal
	CryoSat Ice Processor	Server check: calval	-pds.cryosat.esa.int	Nominal
Processor Used:		Product Soft	ware Check	Nominal
Dete Hered		Product For	mat Check	Nominal
Data Used:	L1B and L2 OFFLINE Data	Product Head	der Analysis	See Section 4.2 and 5.2
		Star Tracker L	Jsage Check	Nominal
		L1B Calibration	Usage Check	Nominal
		L1B & L2 Auxiliary Da	ta File Usage Check	Nominal
		L1B & L2 Auxiliary Co	rrection Error Check	Nominal
		L1B & L2 Measurement	Confidence Data Check	See Section 4.7 and 5.5
Iission / Instrument News           26-Feb-2017         None           27-Feb-2017         None				
28-Feb-2017 Nothing planned				
		2. Global Coverag	ge	
Global Coverage - North Pole			Global Coverage - South Pole	
	Kall Co	$\mathbf{x}$		60







• •	
LRM	18.1
SAR	13.1
SARIn	0.0



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

SIRAL instrument(s) in use: 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	ansura it consists of both an XML boa	der file ( HDP) and a product file ( DPL )
lumber of products with errors: 0		
.2 L1B Product Header Analysis		
or all products, a series of pre-defined checks are carried out on the MPH an	d SPH in order to identify any inconsis	stencies and/or errors raised by the ground-segment processing chain.
umber of products with errors: 3		
roduct	Test Failed	
S_OFFL_SIR_SAR_1B_20170227T174906_20170227T174908_C001	Percentage of process	ing errors detected greater than minimum acceptable threshold.
S_OFFL_SIR_SAR_1B_20170227T161455_20170227T161500_C001	Percentage of process	ing errors detected greater than minimum acceptable threshold.
S_OFFL_SIR_SAR_1B_20170227T174911_20170227T174914_C001	Percentage of process	ing errors detected greater than minimum acceptable threshold.
.3 Star Tracker Usage Check		
ach product is checked in order to ensure a valid star tracker file has been u	sed in processing.	
lumber of products with errors: 0		
.4 L1B Calibration Usage Check		
ach product is checked in order to ensure that the necessary calibration files	have been used in processing.	
umber of products with errors: 0		
.5 L1B Auxilary Data File Usage Check		
ach product is checked for missing Data Set Descriptors with respect to a pr	e-determined baseline and also to che	eck the validity of Auxiliary Data Files is correct.
umber of products with errors: 0		
.6 L1B Auxiliary Correction Error Check		
ryoSat L1B data includes a correction error flag (field 54) for each measurem	nent record. The bit value of this flag ir	idicates any problems when set.
umber of products with errors: 0		
.7 L1B Measurement Confidence Data Check		
ryoSat L1B data includes a measurement confidence flag (field 18) for each	measurement record. The bit value of	this flag indicates any problems when set.
urrently, there are several common error flags raised in the Level 1B p elow, followed by a table of any additional issues arising from this test		operational mode or surface type. All common flags are summarised in the list
lock Degraded Flag: This flag is currently set for a number of individual reco	ords generally at the start or end of pro	oducts (all modes), but this is to be expected.
hase Perturbation Flag: This flag is currently set for all L1B SARIn product	s, indicating that the ADC correction a	pplication is deactivated, but this is in line with the current configuration.
umber of products with errors: 1		
roduct	Test Failed	Description
S_OFFL_SIR_LRM_1B_20170227T173509_20170227T174751_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is s indicating a degraded echo
5	Level 2 Data Quality	Check
5.1 L2 Product Format Check		
ach product, retrieved and unpacked from the science server, is checked to	ensure it consists of both an XML hea	der file (.HDR) and a product file (.DBL).
lumber of products with errors: 0		
.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: 3

Product	Test Failed
CS_OFFL_SIR_SAR_220170227T161456_20170227T161459_C001	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OFFL_SIR_SAR_220170227T174906_20170227T174908_C001	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OFFL_SIR_SAR_220170227T174911_20170227T174913_C001	Percentage of processing errors detected greater than minimum acceptable threshold.

## 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.

0

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.

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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:

Draduat	Test Failed	Description
Product	Height Error (Retracker 2), Height Error	
CS_OFFL_SIR_LRM_220170226T235711_20170227T003140_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_220170227T004353_20170227T010353_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_220170227T011247_20170227T011414_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_220170227T013533_20170227T020926_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_220170227T022310_20170227T025154_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_220170227T031748_20170227T032631_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_220170227T033112_20170227T033259_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_220170227T033301_20170227T034857_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_220170227T040700_20170227T041929_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_220170227T042143_20170227T043329_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_220170227T050102_20170227T051014_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_220170227T051018_20170227T051034_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_220170227T051236_20170227T051246_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_220170227T051310_20170227T052809_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_220170227T060315_20170227T060519_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_220170227T060642_20170227T061031_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_220170227T061048_20170227T061354_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_220170227T065019_20170227T070722_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_220170227T071444_20170227T071618_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220170227T072018_20170227T074615_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_220170227T082034_20170227T084700_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_220170227T085342_20170227T085707_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220170227T085925_20170227T091135_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_220170227T091710_20170227T093211_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_220170227T095810_20170227T102629_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_220170227T102801_20170227T103237_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220170227T103239_20170227T103613_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220170227T103843_20170227T111349_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_220170227T112703_20170227T112846_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_220170227T113839_20170227T114000_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_220170227T115519_20170227T115624_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_220170227T121832_20170227T124109_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_220170227T124355_20170227T125307_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_220170227T131637_20170227T132148_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_220170227T132517_20170227T133003_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_220170227T133151_20170227T134508_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_220170227T134819_20170227T135202_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220170227T135752_20170227T140403_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_220170227T140412_20170227T143006_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_220170227T144829_20170227T151939_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_220170227T153741_20170227T155419_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_220170227T155422_20170227T155528_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
	1	1

CS\_OFFL\_SIR\_LRM\_2\_\_20170227T160008\_20170227T160707\_C001 CS OFFL SIR LRM 2 20170227T163227 20170227T164411 C001 CS OFFL SIR LRM 2 20170227T165031 20170227T170208 C001 CS OFFL SIR LRM 2 20170227T170800 20170227T171022 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170227T171655\_20170227T173156\_C001 CS OFFL SIR LRM 2 20170227T173336 20170227T173506 C001 CS OFFL SIR LRM 2 20170227T173509 20170227T174751 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170227T181027\_20170227T181737\_C001 CS OFFL SIR LRM 2 20170227T181900 20170227T182349 C001 CS OFFL SIR LRM 2 20170227T182647 20170227T184315 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170227T184547\_20170227T185425\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170227T185645\_20170227T191919\_C001 CS OFFL SIR LRM 2 20170227T195649 20170227T202234 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170227T202749\_20170227T203222\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170227T203503\_20170227T210456\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170227T213142\_20170227T213215\_C001 CS OFFL SIR LRM 2 20170227T213322 20170227T214406 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170227T214944\_20170227T220154\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170227T221425\_20170227T223637\_C001 CS OFFL SIR LRM 2 20170227T223640 20170227T224153 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170227T224231\_20170227T224255\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170227T225154\_20170227T225244\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20170227T230527\_20170227T234028\_C001 CS OFFL SIR SIN 2 20170227T003339 20170227T003657 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170227T004209\_20170227T004334\_C001 CS\_OFFL\_SIR\_SIN\_2\_20170227T012424\_20170227T012530\_C001 CS OFFL SIR SIN 2 20170227T021052 20170227T021430 C001 CS\_OFFL\_SIR\_SIN\_2\_20170227T022114\_20170227T022221\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170227T030010\_20170227T030135\_C001 CS OFFL SIR SIN 2 20170227T030334 20170227T030447 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170227T034858\_20170227T035036\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170227T035817\_20170227T040005\_C001 CS OFFL SIR SIN 2 20170227T044103 20170227T044401 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170227T052815\_20170227T053000\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170227T053646\_20170227T054255\_C001 CS OFFL SIR SIN 2 20170227T061829 20170227T062244 C001 CS OFFL SIR SIN 2 20170227T070723 20170227T070952 C001 CS OFFL SIR SIN 2 20170227T071618 20170227T071930 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170227T084700\_20170227T084816\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170227T085323\_20170227T085325\_C001 CS OFFL SIR SIN 2 20170227T085707 20170227T085824 C001 CS\_OFFL\_SIR\_SIN\_2\_20170227T094704\_20170227T094748\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170227T102637\_20170227T102800\_C001 CS\_OFFL\_SIR\_SIN\_2\_20170227T103613\_20170227T103728\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20170227T120616\_20170227T120741\_C001 CS\_OFFL\_SIR\_SIN\_2\_20170227T121302\_20170227T121610\_C001 CS OFFL SIR SIN 2 20170227T130428 20170227T130500 C001 CS OFFL SIR SIN 2 20170227T134559 20170227T134819 C001 CS OFFL SIR SIN 2 20170227T135202 20170227T135534 C001

Retracker 2)

(Retracker 2)

(Retracker 2)

(Retracker 2)

(Retracker 2)

(Retracker 2)

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) ecords Height Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error (Retracker 3), Backscatter Error for Retracker 3 for one or more records Surface Model Unavailable 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 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 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), Height Error There is a height and backscatter error for Retracker 2 and a height error (Retracker 3), Backscatter Error for Retracker 3 for one or more records Height Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error (Retracker 3), Backscatter Error for Retracker 3 for one or more records Height Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error (Retracker 3), Backscatter Error for Retracker 3 for one or more records Surface Model Unavailable 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 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 No DEM or Slope Model was used for the location of one or more records Surface Model Unavailable Height Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error (Retracker 3), Backscatter Error for Retracker 3 for one or more records 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 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 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) ecords 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), Height Error There is a height and backscatter error for Retracker 2 and a height error (Retracker 3), Backscatter Error for Retracker 3 for one or more records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records SARIn X-track Angle Error, Surface An ambiguous angle was detected for SARIn mode and no DEM or Slope Model Unavailable Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records SARIn X-track Angle Error, Surface An ambiguous angle was detected for SARIn mode and no DEM or Slope Model Unavailable Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records SARIn X-track Angle Error, Surface An ambiguous angle was detected for SARIn mode and no DEM or Slope Model Unavailable Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records SARIn X-track Angle Error, Surface An ambiguous angle was detected for SARIn mode and no DEM or Slope Model Unavailable Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records

CS_OFFL_SIR_SIN_220170227T152639_20170227T152914_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170227T153107_20170227T153402_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170227T153540_20170227T153732_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170227T162144_20170227T162305_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170227T162705_20170227T162833_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170227T170208_20170227T170800_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_220170227T171022_20170227T171054_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170227T171516_20170227T171654_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170227T175607_20170227T175710_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_220170227T184404_20170227T184547_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170227T185425_20170227T185627_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170227T194025_20170227T194513_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_220170227T202338_20170227T202502_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170227T202651_20170227T202749_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170227T203222_20170227T203442_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170227T220311_20170227T220431_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170227T220435_20170227T220706_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170227T221258_20170227T221425_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170227T225408_20170227T225434_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_220170227T234300_20170227T234612_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170227T235129_20170227T235241_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	155	155	155	0	0
SIR_LRM_2	154	154	154	0	0
SIR_LRMI2_	154	154	154	0	0
SIR_SAR_1B	119	119	119	0	0
SIR_SAR_2	119	119	119	0	0
SIR_SARI2_	119	119	119	0	0
SIR_SIN_1B	101	101	101	0	0
SIR_SIN_2	101	101	101	0	0
SIR_SINI2	101	101	101	0	0
SIR_GDR_2	14	14	14	0	0

6.1 QCC Errors		
Number of products with QCC errors:	0	
6.2 QCC Warnings		
Number of QCC reports with warnings	0	
6.2 Missing QCC Reports		
Number of products with missing QCC reports:	96	