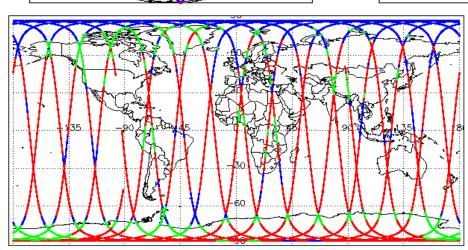
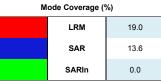


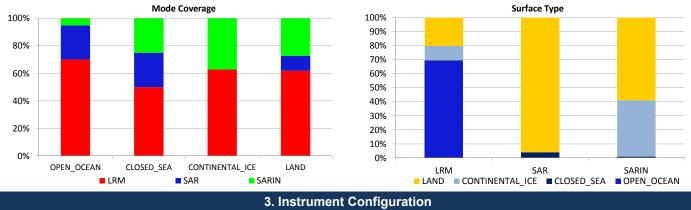
## IDEAS+ Daily Report for OFFLINE data:

<u>21/03/2018</u>

01-May-2018 CryoSat Ice Processor L1B and L2 OFFLINE Data	Check Server check: science-pds.cryosat.esa.int Server check: calval-pds.cryosat.esa.int Product Software Check Product Format Check Product Header Analysis Star Tracker Usage Check L1B Calibration Usage Check L1B & L2 Auxiliary Data File Usage Check	Status Nominal Nominal Nominal See Section 4.2 and 5.2 Nominal Nominal	
CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int Product Software Check Product Format Check Product Header Analysis Star Tracker Usage Check L1B Calibration Usage Check L1B & L2 Auxiliary Data File Usage Check	Nominal Nominal Nominal See Section 4.2 and 5.2 Nominal	
-	Product Software Check Product Format Check Product Header Analysis Star Tracker Usage Check L1B Calibration Usage Check L1B & L2 Auxiliary Data File Usage Check	Nominal Nominal See Section 4.2 and 5.2 Nominal	
-	Product Format Check Product Header Analysis Star Tracker Usage Check L1B Calibration Usage Check L1B & L2 Auxiliary Data File Usage Check	Nominal See Section 4.2 and 5.2 Nominal	
L1B and L2 OFFLINE Data	Product Header Analysis Star Tracker Usage Check L1B Calibration Usage Check L1B & L2 Auxiliary Data File Usage Check	See Section 4.2 and 5.2 Nominal	
	Star Tracker Usage Check L1B Calibration Usage Check L1B & L2 Auxiliary Data File Usage Check	Nominal	
	L1B Calibration Usage Check L1B & L2 Auxiliary Data File Usage Check		
	L1B & L2 Auxiliary Data File Usage Check	Nominal	
		Nominal	
	L1B & L2 Auxiliary Correction Error Check	Nominal	
	L1B & L2 Measurement Confidence Data Check	See Section 4.7 and 5.5	
Coverage - North Pole	-	erage - South Pole	
	Coverage - North Pole	2. Global Coverage Coverage - North Pole Global Cov Global Cov	







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

## 4. Level 1B Data Quality Check

4.1 L1B Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to ensure it cons	sists of both an XML header file (.F	HDR) and a product file (.DBL).
Number of products with errors: 0		
4.2 L1B Product Header Analysis		
For all products, a series of pre-defined checks are carried out on the MPH and SPH in orde	er to identify any inconsistencies a	nd/or errors raised by the around-segment processing chain
Number of products with errors: 2		
Product	Test Failed	
CS_OFFL_SIR_SAR_1B_20180321T190342_20180321T190344_C001		detected greater than minimum acceptable threshold.
CS_OFFL_SIR_SAR_1B_20180321T203958_20180321T204000_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 process	sing.	
Number of products with errors: 0		
4.4 L1B Calibration Usage Check		
Each product is checked in order to ensure that the necessary calibration files have been us	sed 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 val	lidity of Auxiliary Data Files is correct.
Number of products with errors: 0		
4.6 L1B Auxiliary Correction Error Check		
CryoSat L1B data includes a correction error flag (field 54) for each measurement record. The second s	he bit value of this flag indicates a	ny problems when set.
Number of products with errors: 0		
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 in	ndicates any problems when set.
Currently, there are several common error flags raised in the Level 1B products whic	h are expected due to operation	al 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	I modes) but this is to be expected
Phase Perturbation Flag: This flag is currently set for all L1B SARIn products, indicating the		
Number of products with errors: 1		-
Product Test Fa	ailed	Description
CS_OFFL_SIR_LRM_1B_20180321T102034_20180321T102517_C001 Echo e	rror, 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	K
5.1 L2 Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to ensure it cons	sists of both an XML beader file ( F	IDR) and a product file ( DRI )
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 orde	er to identify any inconsistencies a	nd/or errors raised by the ground-segment processing chain.
Number of products with errors: 2		
Product	Test Failed	
CS_OFFL_SIR_SAR_220180321T203958_20180321T204000_C001		detected greater than minimum acceptable threshold.
CS_OFFL_SIR_SAR_220180321T190342_20180321T190344_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 val	lidity 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	e bit value of this flag indicates any	y problems when set.
Number of products with errors: 0		
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.

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#### Number of products with errors:

Product	Test Failed	Description
CS_0FFL_SIR_LRM_220180321T000749_20180321T001622_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180321T001829_20180321T004413_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS OFFL SIR LRM 2 _20180321T011738 20180321T012902 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_220180321T013232_20180321T014434_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_220180321T015721_20180321T022735_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_220180321T025048_20180321T030615_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_220180321T031146_20180321T032341_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_220180321T033617_20180321T034242_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_220180321T041405_20180321T041453_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_220180321T042803_20180321T050255_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_220180321T051512_20180321T053446_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_220180321T060714_20180321T063516_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_220180321T063527_20180321T064118_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_220180321T064825_20180321T065238_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180321T065441_20180321T073105_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_220180321T074847_20180321T080211_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_220180321T080233_20180321T082026_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_220180321T083826_20180321T085053_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_220180321T085218_20180321T090502_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_220180321T090602_20180321T090906_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_220180321T093046_20180321T094150_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_220180321T094353_20180321T095932_C001	(Retracker 2) 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_220180321T101458_20180321T101917_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_220180321T103240_20180321T104517_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_220180321T112258_20180321T113836_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180321T114606_20180321T114723_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_220180321T115115_20180321T121043_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
00_0112_0112_010021110110_201000211121040_0001	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_220180321T125208_20180321T131812_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180321T132504_20180321T132829_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180321T133053_20180321T134301_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_220180321T134834_20180321T135828_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_220180321T142932_20180321T145744_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_220180321T150402_20180321T150732_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS OFFL SIR LRM 2 20180321T155835 20180321T160002 C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180321T161015_20180321T161832_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_220180321T163900_20180321T164425_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_2_20180321T164929_20180321T171232_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_220180321T171518_20180321T172409_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_220180321T175630_20180321T181614_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_220180321T181826_20180321T182323_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180321T182838_20180321T190212_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_220180321T192643_20180321T195100_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 20180321T202531 20180321T202651 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20180321T203133\_20180321T203955\_C001 CS OFFL SIR LRM 2 20180321T210000 20180321T211531 C001 CS\_OFFL\_SIR\_LRM\_2\_20180321T211745\_20180321T213232\_C001 CS OFFL SIR LRM 2 20180321T214817 20180321T220320 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20180321T220459\_20180321T222542\_C001 CS OFFL SIR LRM 2 20180321T224254 20180321T225240 C001 CS OFFL SIR LRM 2 20180321T225939 20180321T231454 C001 CS OFFL SIR LRM 2 20180321T232743 20180321T235048 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180321T000601\_20180321T000748\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180321T001623\_20180321T001811\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180321T005706\_20180321T005723\_C001 CS OFFL SIR SIN 2 20180321T010255 20180321T010736 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180321T014539\_20180321T014715\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180321T014843\_20180321T015001\_C001 CS OFFL SIR SIN 2 20180321T015421 20180321T015708 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180321T032525\_20180321T032913\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180321T033501\_20180321T033617\_C001 CS OFFL SIR SIN 2 20180321T041551 20180321T041624 C001 CS OFFL SIR SIN 2 20180321T050503 20180321T050818 C001 CS OFFL SIR SIN 2 20180321T051331 20180321T051452 C001 CS OFFL SIR SIN 2 20180321T055601 20180321T055640 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180321T064219\_20180321T064627\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180321T065239\_20180321T065348\_C001 CS OFFL SIR SIN 2 20180321T073145 20180321T073407 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180321T073454\_20180321T073613\_C001 CS\_OFFL\_SIR\_SIN\_2\_20180321T082026\_20180321T082154\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180321T082950\_20180321T083135\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180321T090912\_20180321T091326\_C001 CS OFFL SIR SIN 2 20180321T091405 20180321T091523 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180321T095937\_20180321T100120\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180321T100646\_20180321T100652\_C001 CS OFFL SIR SIN 2 20180321T100811 20180321T101047 C001 CS OFFL SIR SIN 2 20180321T101254 20180321T101427 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180321T104952\_20180321T105417\_C001 CS OFFL SIR SIN 2 20180321T113859 20180321T114055 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180321T114544\_20180321T114550\_C001 CS OFFL SIR SIN 2 20180321T114559 20180321T114605 C001 CS OFFL SIR SIN 2 20180321T114724 20180321T115049 C001 CS OFFL SIR SIN 2 20180321T131826 20180321T132051 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180321T132443\_20180321T132448\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180321T132458\_20180321T132503\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180321T132830\_20180321T132959\_C001 CS OFFL SIR SIN 2 20180321T141824 20180321T141842 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180321T145744\_20180321T145908\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180321T150356\_20180321T150402\_C001 CS OFFL SIR SIN 2 20180321T150733 20180321T150902 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180321T163735\_20180321T163900\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180321T164425\_20180321T164737\_C001

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

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_SIN_220180321T173546_20180321T173609_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_220180321T181711_20180321T181825_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180321T182323_20180321T182646_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180321T191853_20180321T191931_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_220180321T195759_20180321T200034_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180321T200228_20180321T200854_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180321T205313_20180321T205433_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180321T205730_20180321T205920_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180321T213315_20180321T213927_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180321T214140_20180321T214223_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180321T214642_20180321T214817_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180321T223231_20180321T223334_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180321T223410_20180321T223454_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180321T231527_20180321T231719_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180321T232544_20180321T232710_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	152	152	152	0	0
SIR_LRM_2	151	151	151	0	0
SIR_LRMI2_	151	151	151	0	0
SIR_SAR_1B	124	124	124	0	0
SIR_SAR_2	124	124	124	0	0
SIR_SARI2_	124	124	124	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	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: 189