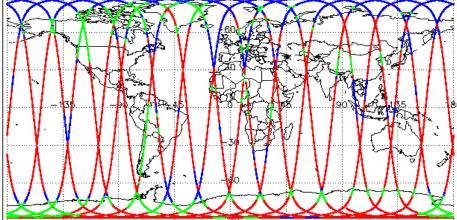


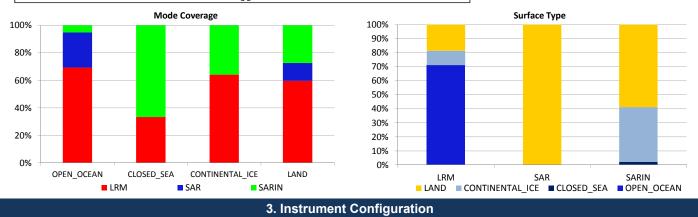
## IDEAS+ Daily Report for OFFLINE data:

<u>01/04/2018</u>

		1. Overview		
		Check	Status	
Report Production Date: 02-May-2018		Server check: science-pds.cryosat.esa.int	Nominal	
		Server check: calval-pds.cryosat.esa.int	Nominal	
Processor Used:	CryoSat Ice Processor	Product Software Check	Nominal	
		Product Format Check	Nominal	
Data Used:	L1B and L2 OFFLINE Data	Product Header Analysis	See Section 4.2 and 5.2	
		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	
sion / Instrument News				
-Mar-2018 None				
1-Apr-2018 None				
2-Apr-2018 Nothing planned	1			
		2. Global Coverage		
	Global Coverage - North Pole		overage - South Pole	



LRM	20.1
SAR	13.4
SARIn	0.0



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 en	sure it consists of both an XML head	er file (.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 S	SPH in order to identify any inconsist	encies and/or errors raised by the ground-segment processing chain.
Number of products with errors: 2		
Product	Test Failed	
CS_OFFL_SIR_SAR_1B_20180401T092854_20180401T092855_C001 CS_OFFL_SIR_SAR_1B_20180401T064100_20180401T064101_C001	- ·	g errors detected greater than minimum acceptable threshold.
	r elcentage of processi	g errors detected greater than minimum acceptable timeshold.
4.3 Star Tracker Usage Check		
Each product is checked in order to ensure a valid star tracker file has been used	d in processing.	
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 ha	ave 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-c	determined baseline and also to chec	k the validity 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 measuremen	t record. The bit value of this flag inc	licates any 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 me	easurement record. The bit value of t	his flag indicates any problems when set.
Currently, there are several common error flags raised in the Level 1B proc below, followed by a table of any additional issues arising from this test.	lucts which are expected due to o	perational mode or surface type. All common flags are summarised in the list
Block Degraded Flag: This flag is currently set for a number of individual record	Is generally at the start or end of prod	ducts (all modes), but this is to be expected.
Phase Perturbation Flag: This flag is currently set for all L1B SARIn products, i	ndicating that the ADC correction ap	plication is deactivated, but this is in line with the current configuration.
Number of products with errors: 1		
	Test Failed	Description The tracking echo has returned an error and the Rx1 Echo Error flag is set,
CS_OFFL_SIR_LRM_1B_20180401T042253_20180401T042925_C001	Echo error, TRK echo error	indicating a degraded echo
5. L	_evel 2 Data Quality C	Check
5.1 L2 Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to en	sure it consists of both an XML head	er 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 s	SPH in order to identify any inconsist	encies and/or errors raised by the ground-segment processing chain.
Number of products with errors: 1		
Product	Test Failed	
CS_OFFL_SIR_SAR_220180401T092854_20180401T092855_C001	Percentage of processin	g 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-c	letermined baseline and also to chec	k 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 indic	cates any problems when set.
Number of meducts with emerge		

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.

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Number of products with errors:

Decision		Description
Product CS_OFFL_SIR_LRM_220180401T000646_20180401T004149_C001	Test Failed Height Error (Retracker 2), Backscatter Error (Retracker 2)	Description There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220180401T004656_20180401T005128_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180401T005426_20180401T012014_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_220180401T015154_20180401T020312_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_220180401T020850_20180401T022050_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_220180401T023332_20180401T025513_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_220180401T025605_20180401T025903_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_220180401T032435_20180401T035948_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_220180401T042139_20180401T042248_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_220180401T044806_20180401T045043_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_220180401T051607_20180401T053906_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_220180401T055108_20180401T060442_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_220180401T060630_20180401T061340_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_220180401T061424_20180401T061904_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_220180401T064428_20180401T071714_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_220180401T073107_20180401T073217_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_220180401T073520_20180401T080531_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_220180401T082605_20180401T083837_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_220180401T084042_20180401T085631_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_220180401T091239_20180401T092257_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_220180401T092916_20180401T094031_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_220180401T101619_20180401T101902_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_220180401T102041_20180401T103524_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_220180401T104855_20180401T112247_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_220180401T112505_20180401T112552_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_220180401T115040_20180401T121501_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_220180401T122750_20180401T125709_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_220180401T132838_20180401T135422_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_220180401T140104_20180401T140432_C001	Surface Model Unavailable	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
CS_OFFL_SIR_LRM_220180401T140716_20180401T141906_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter	records
CS_OFFL_SIR_LRM_220180401T142444_20180401T144211_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter	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
CS_OFFL_SIR_LRM_220180401T150430_20180401T150939_C001	Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter	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
CS_OFFL_SIR_LRM_220180401T152741_20180401T153413_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_220180401T153552_20180401T154129_C001	Surface Model Unavailable Height Error (Retracker 2), Backscatter	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
CS_OFFL_SIR_LRM_220180401T154640_20180401T162044_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter	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
CS_OFFL_SIR_LRM_220180401T163434_20180401T163531_C001	Error (Retracker 2), Backscatter 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_220180401T165359_20180401T171342_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_220180401T171514_20180401T172024_C001	Surface Model Unavailable Height Error (Retracker 2), Height Error	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180401T172543_20180401T180032_C001	(Retracker 3), Backscratter Error (Retracker 2) Height 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_220180401T182459_20180401T182920_C001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter	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
CS_OFFL_SIR_LRM_220180401T183016_20180401T184752_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_220180401T185051_20180401T185215_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_220180401T185723_20180401T185927_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180401T190621_20180401T192628_C001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records

(Retracker 3), Backscatter Error (Retracker 2)

CS\_OFFL\_SIR\_LRM\_2\_\_20180401T190621\_20180401T192628\_C001

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\_2\_\_20180401T192828\_20180401T193541\_C001 CS\_OFFL\_SIR\_LRM\_2\_20180401T195532\_20180401T201328\_C001 CS OFFL SIR LRM 2 20180401T201441 20180401T202827 C001 CS OFFL SIR LRM 2 20180401T203636 20180401T203836 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20180401T204519\_20180401T210058\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20180401T210300\_20180401T211222\_C001 CS OFFL SIR LRM 2 20180401T213751 20180401T213819 C001 CS OFFL SIR LRM 2 20180401T214010 20180401T215141 C001 CS OFFL SIR LRM 2 20180401T221445 20180401T222240 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20180401T222428\_20180401T224003\_C001 CS OFFL SIR LRM 2 20180401T231733 20180401T233201 C001 CS OFFL SIR LRM 2 20180401T233204 20180401T235046 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20180401T235314\_20180401T235525\_C001 CS OFFL SIR LRM 2 20180401T235545 20180402T000129 C001 CS OFFL SIR SIN 2 20180331T235935 20180401T000423 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180401T004244\_20180401T004408\_C001 CS OFFL SIR SIN 2 20180401T004557 20180401T004656 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180401T005129\_20180401T005349\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180401T022217\_20180401T022612\_C001 CS OFFL SIR SIN 2 20180401T023205 20180401T023332 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180401T031318\_20180401T031344\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180401T040206\_20180401T040519\_C001 CS\_OFFL\_SIR\_SIN\_2\_20180401T041036\_20180401T041147\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180401T053949\_20180401T054401\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180401T054935\_20180401T055100\_C001 CS OFFL SIR SIN 2 20180401T062912 20180401T063313 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180401T071726\_20180401T071901\_C001 CS OFFL SIR SIN 2 20180401T072724 20180401T072908 C001 CS OFFL SIR SIN 2 20180401T080535 20180401T080715 C001 CS OFFL SIR SIN 2 20180401T081114 20180401T081209 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180401T085631\_20180401T085813\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180401T090348\_20180401T090355\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180401T090519\_20180401T090737\_C001 CS OFFL SIR SIN 2 20180401T094911 20180401T095123 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180401T103532\_20180401T103726\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180401T104246\_20180401T104251\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180401T104301\_20180401T104308\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180401T104414\_20180401T104855\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180401T113505\_20180401T113538\_C001 CS OFFL SIR SIN 2 20180401T121540 20180401T121811 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180401T122143\_20180401T122150\_C001 CS OFFL SIR SIN 2 20180401T122533 20180401T122718 C001 CS OFFL SIR SIN 2 20180401T135422 20180401T135553 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180401T140057\_20180401T140104\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180401T140432\_20180401T140607\_C001 CS OFFL SIR SIN 2 20180401T153438 20180401T153552 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180401T154129\_20180401T154310\_C001 CS\_OFFL\_SIR\_SIN\_2\_20180401T154331\_20180401T154447\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20180401T163242\_20180401T163305\_C001

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) Surface Model Unavailable Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) 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) Surface Model Unavailable 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 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

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 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 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 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 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 No DEM or Slope Model was used for the location of 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 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 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 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_220180401T163315_20180401T163338_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_220180401T171352_20180401T171514_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180401T172024_20180401T172333_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180401T185439_20180401T185723_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180401T185927_20180401T190455_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180401T195019_20180401T195448_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180401T203836_20180401T203947_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180401T204338_20180401T204518_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180401T212921_20180401T213030_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180401T213146_20180401T213335_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180401T221121_20180401T221445_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180401T222240_20180401T222428_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180401T230839_20180401T231338_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_220180401T235124_20180401T235313_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180401T235525_20180401T235545_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	155	155	155	0	0
SIR_LRM_2	155	155	155	0	0
SIR_LRMI2_	155	155	155	0	0
SIR_SAR_1B	117	117	117	0	0
SIR_SAR_2	116	116	116	0	0
SIR_SARI2_	116	116	116	0	0
SIR_SIN_1B	105	105	105	0	0
SIR_SIN_2	105	105	105	0	0
SIR_SINI2	105	105	105	0	0
SIR GDR 2	14	14	14	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: 192