



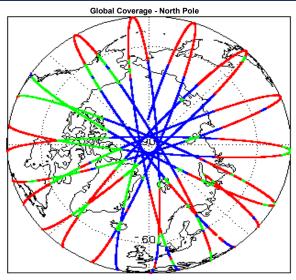
1. Overview

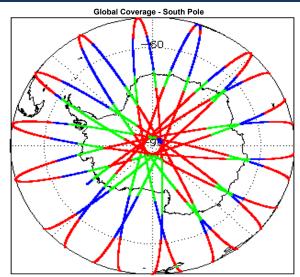
Report Production Date:	12-Oct-2017		
Processor Used:	CryoSat Ice Processor		
Data Used:	L1B and L2 OFFLINE Data		

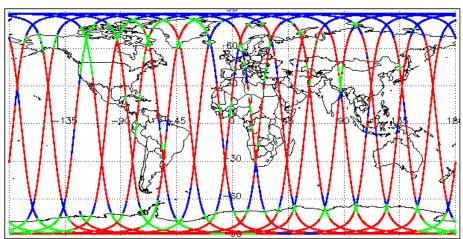
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary Data File Usage Check	Nominal
L1B & L2 Auxiliary Correction Error Check	Nominal
L1B & L2 Measurement Confidence Data Check	See Section 4.7 and 5.5

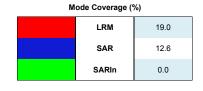
Mission / Instru	ument News
11-Sep-2017	None
12-Sep-2017	None
13-Sep-2017	Nothing planned

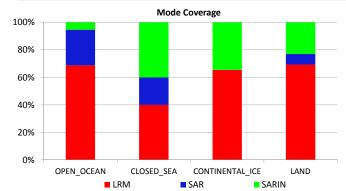
2. Global Coverage

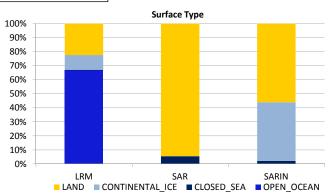












3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A
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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:

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

0

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.

lumber of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20170912T000955_20170912T003554_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20170912T041603_20170912T044702_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20170912T130337_20170912T130553_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20170912T210616_20170912T211827_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

5. Level 2 Data Quality Check

5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a product file (.DBL).

Number of products with errors:

5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

5.5 L2 Measurement Quality Flag Check

CryoSat L2 data includes a quality flag (field 50) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Currently, there are several common error flags raised in the Level 2 products which are expected due to operational mode or surface type. All common flags are summarised in the list below, followed by a table of any additional issues arising from this test.

Freeboard error: This flag is correctly set in all L2 SAR products that are not discriminated as sea-ice, and for which freeboard cannot be calculated.

Height and Backscatter errors: These flags are currently set for products over land, but this is to be expected. Retracker 1 Height and Backscatter error flags are also set for products over sea-ice, but this is to be expected.

Peakiness error: This flag is currently set for products over sea-ice, but this is to be expected.

SARIn X-Track Angle Error: This flag is set when the difference between the computed surface elevation and the DEM is >50 m. The DEM is only available over Greenland and Antarctica and as a result this flag is set for L2 SARIn products in all other locations as expected.

SSHA interpolation error: This flag is currently set for a number of SAR products occurring at surface type boundaries, but this is to be expected.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_2_20170912T000028_20170912T000649_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_220170912T000955_20170912T003554_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_220170912T004424_20170912T004757_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220170912T005303_20170912T012539_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_220170912T013718_20170912T014049_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_220170912T015025_20170912T015145_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_220170912T021925_20170912T022447_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220170912T023159_20170912T025255_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_220170912T025541_20170912T030703_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_220170912T031646_20170912T032102_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_220170912T033658_20170912T034147_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_220170912T034334_20170912T035330_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_220170912T035941_20170912T040346_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220170912T041059_20170912T041554_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20170912T041603_20170912T044702_C001	Reight Error (Retracker 2), Height Error (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_220170912T050108_20170912T053123_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records
CS_OFFL_SIR_LRM_220170912T055046_20170912T060714_C001	Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20170912T061154_20170912T061858_C001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error	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_20170912T064020_20170912T065554_C001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error	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_220170912T070213_20170912T071252_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_2_20170912T072951_20170912T074342_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_20170912T074521_20170912T080057_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_220170912T081533_20170912T081632_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220170912T081857_20170912T082050_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_2_20170912T082212_20170912T082921_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_220170912T083043_20170912T083355_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_220170912T083849_20170912T085317_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_220170912T085733_20170912T090609_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20170912T090942_20170912T093110_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_220170912T093842_20170912T094558_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_220170912T095658_20170912T100843_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_2_20170912T101027_20170912T103300_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_220170912T103932_20170912T104410_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20170912T104921_20170912T111642_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_2_20170912T111748_20170912T112416_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_220170912T112513_20170912T112627_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_220170912T114554_20170912T115549_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_220170912T122811_20170912T125400_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_220170912T130337_20170912T130553_C001	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_220170912T131716_20170912T135020_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_220170912T144046_20170912T144452_C001	Error (Retracker 2) Height Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_2_20170912T145508_20170912T150557_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_2_20170912T150843_20170912T153005_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_220170912T155906_20170912T160520_C001	Error (Retracker 2)	records

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General Series Se	General Gene	CS_OFFL_SIR_LRM_220170912T214440_20170912T220504_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
Sept Ser Limit 2_0170912720692_20170912720409_2010	Second S	CS_OFFL_SIR_LRM_220170912T222147_20170912T224937_C001	(Retracker 3), Backscatter Error	
Felgit Error (Relative 2) Backsoatter	February 1.2 Serious and process 1.2 Serious and	CS_OFFL_SIR_LRM_220170912T230812_20170912T231033_C001	Height Error (Retracker 2), Backscatter	
S. OFFL, SIR, SIN, 2_201709127003492, 20170912700494, C001 S. OFFL, SIR, SIN, 2_20170912700476, 201709127093940, C001 S. OFFL, SIR, SIN, 2_20170912700476, 201709127093940, C001 S. OFFL, SIR, SIN, 2_20170912700476, 201709127093941, C001 S. OFFL, SIR, SIN, 2_201709127003764, 20170912709498, C001 S. OFFL, SIR, SIN, 2_201709127003642, 20170912709498, C001 S. OFFL, SIR, SIN, 2_201709127003642, 20170912709498, C001 S. OFFL, SIR, SIN, 2_201709127003642, 20170912709498, C001 S. OFFL, SIR, SIN, 2_2017091270036420, 20170912709498, C001 S. OFFL, SIR, SIN, 2_201709127003622, 20170912709499, C001 S. OFFL, SIR, SIN, 2_201709127003622, 20170912709499, C001 S. OFFL, SIR, SIN, 2_201709127003622, 20170912709399, C001 S. OFFL, SIR, SIN, 2_2017091270703622, 20170912709399, C001 S. OFFL, SIR, SIN, 2_201709127070362, 20170912709363, C001 S. OFFL, SIR, SIN, 2_201709127070362, 20170912709363, C001 S. O	S. CPFL_SR_SNL20170912700492_20170912704942_C001 SARIN X-task Angle Error An ambiguous angle was detected for SARin mode for one or more records SC CPFL_SR_SNL20170912700492_20170912700494_C001 SARIN X-task Angle Error 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 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	CS_OFFL_SIR_LRM_2_20170912T232010_20170912T234456_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
SARIN X-track Angle Error SARIN X-track Angle E	S. OFFL, SR, SNL 2_00170912700492_0170912700494_0001 SARIN Xtrack Angle Error An entriguous angle was delected for SARIn mode for one or more records. SOFFL, SR, SNL 2_00170912702792_0170912702796_0001 SARIN Xtrack Angle Error An entriguous angle was delected for SARIn mode for one or more records. An entriguous angle was delected for SARIn mode for one or more records. An entriguous angle was delected for SARIn mode for one or more records. An entriguous angle was delected for SARIn mode for one or more records. An entriguous angle was delected for SARIn mode for one or more records. An entriguous angle was delected for SARIn mode for one or more records. An entriguous angle was delected for SARIn mode for one or more records. An entriguous angle was delected for SARIn mode for one or more records. An entriguous angle was delected for SARIn mode for one or more records. An entriguous angle was delected for SARIn mode for one or more records. An entriguous angle was delected for SARIn mode for one or more records. An entriguous angle was delected for SARIn mode for one or more records. An entriguous angle was delected for SARIn mode for one or more records. An entriguous angle was delected for SARIn mode for one or more records. An entriguous angle was delected for SARIn mode for one or more records. An entriguous angle was delected for SARIn mode for one or more records. An entriguous angle was delected for SARIn mode for one or more records. An entriguous angle was delected for SARIn mode for one or more records. An entriguous angle was delected for SARIn mode for one or more records. An entriguous angle was delected for SARIn mode for one or more records. An entriguous angle was delected for SARIn mode for one or more records. An entriguous angle was delected for SARIn mode for one or more records. An entriguous angle was delected for SARIn mode for one or more records. An entriguous angle was delected for SARIn mode for one or more records. An entriguous angle was delected for S	CS_OFFL_SIR_SIN_220170912T003819_20170912T003942_C001	, ,	An ambiguous angle was detected for SARIn mode for one or more
SARIA X-rack Angle Error SARIA X-rack Angle	SARIA X-track Angle Error SARIA X-track Angle E	CS_OFFL_SIR_SIN_220170912T004421_20170912T004424_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
Seril X-track Angle Error Seril Sir, Sin, 2_20170912702347_20170912703406_0001 SARIN X-track Angle Error SARIN X-track Angle E	SARIA X-track Angle Error SARIA X-track Angle E	CS_OFFL_SIR_SIN_220170912T004757_20170912T004914_C001	SARIn X-track Angle Error	
SARIN X-frack Angle Error SARIN X-frack Angle E	SARIN X-frack Angle Error SARIN X-frack Angl	CS_OFFL_SIR_SIN_220170912T021759_20170912T021925_C001	SARIn X-track Angle Error	
Model Unavailable Model Unavail	Model Unavailable Mode Unavai	CS_OFFL_SIR_SIN_220170912T022447_20170912T022756_C001	SARIn X-track Angle Error	
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CS_OFFL_SIR_SIN_2_20170912T040342_20170912T040585_C001 SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error SARIN X-track Angle Error SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error SARI	CS_OFFL_SIR_SIN_2_20170912T093232_20170912T094556_C001 SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode	CS_OFFL_SIR_SIN_220170912T035741_20170912T035941_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_201709121093826_20170912109405455_C010 SARIN X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more records FS_OFFL_SIR_SIN_2_201709121093450_C001 SARIN X-track Angle Error 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 ARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records ARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records ARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records ARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records ARIN X-track Angle Error An ambiguous angle was detected for SARIn mode and no DEM or Slope Model Unavailable and the provided Intervals and	SARIN X-track Angle Error SARIN X-track Angle E	CS_OFFL_SIR_SIN_220170912T040346_20170912T040717_C001	SARIn X-track Angle Error	records
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SARIN X-track Angle Error, Surface Model Unavailable Model Unavail	SARIN X-track Angle Error, Surface Model Unavailable Model Unavail		-	
CS_OFFL_SIR_SIN_2_20170912T080833_20170912T080852_C001 SARIN X-track Angle Error, Surface Model Unavailable SARIN X-track Angle Error An ambiguous angle	CS_OFFL_SIR_SIN_2_20170912T080833_20170912T080852_C001 SARIN X-track Angle Error, Surface Model Unavailable SARIN X-track Angle Error 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 ambiguo		•	
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CS_OFFL_SIR_SIN_2_20170912T121624_20170912T121850_C001 CS_OFFL_SIR_SIN_2_20170912T121624_20170912T121850_C001 SARIN X-track Angle Error	CS_OFFL_SIR_SIN_2_20170912T121644_20170912T121619_C001 CS_OFFL_SIR_SIN_2_20170912T122444_20170912T122611_C001 CS_OFFL_SIR_SIN_2_20170912T130553_20170912T130619_C001 CS_OFFL_SIR_SIN_2_20170912T130553_20170912T130619_C001 CS_OFFL_SIR_SIN_2_20170912T135444_20170912T135757_C001 SARIN X-track Angle Error An ambiguous angle was detected for SARIN mode and no DEM or Slope Model Unavailable SARIN X-track Angle Error SARIN X-track Angle Error An ambiguous angle was detected for SARIN mode for one or more records An ambiguous angle was detected for SARIN mode for one or more records An ambiguous angle was detected for SARIN mode for one or more records An ambiguous angle was detected for SARIN mode for one or more records An ambiguous angle was detected for SARIN mode for one or more records An ambiguous angle was detected for SARIN mode for one or more records	CS_OFFL_SIR_SIN_2_20170912T112652_20170912T112713_C001		
CS_OFFL_SIR_SIN_2_20170912T121624_20170912T12501_C001 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	CS_OFFL_SIR_SIN_2_20170912T122444_20170912T122611_C001 CS_OFFL_SIR_SIN_2_20170912T122444_20170912T122611_C001 CS_OFFL_SIR_SIN_2_20170912T130553_20170912T130619_C001 CS_OFFL_SIR_SIN_2_20170912T135444_20170912T135757_C001 SARIN X-track Angle Error SARIN X-track Angle Error, Surface Model Unavailable SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records	CS_OFFL_SIR_SIN_2_20170912T121454_20170912T121614_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20170912T130553_20170912T130619_C001 CS_OFFL_SIR_SIN_2_20170912T130553_20170912T130619_C001 CS_OFFL_SIR_SIN_2_20170912T135444_20170912T135757_C001 SARIN X-track Angle Error, Surface Model Unavailable SARIN X-track Angle Error	CS_OFFL_SIR_SIN_2_20170912T135444_20170912T135757_C001 SARIN X-track Angle Error, Surface Model Unavailable SARIN X-track Angle Error 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	CS_OFFL_SIR_SIN_2_20170912T121624_20170912T121850_C001	SARIn X-track Angle Error	
Model Unavailable CS_OFFL_SIR_SIN_2_20170912T135444_20170912T135757_C001 Model Unavailable Model Unavailable SARIn X-track Angle Error SARIn x-track Angle Error SARIn x-track Angle Error SARIn x-track Angle Error	Model Unavailable CS_OFFL_SIR_SIN_2_20170912T135444_20170912T135757_C001 SARIn X-track Angle Error 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	CS_OFFL_SIR_SIN_2_20170912T122444_20170912T122611_C001	-	records
CS_OFFL_SIR_SIN_2Z017/09121135444_Z017/09121135757_C001 SARIN X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more	CS_OFFL_SIR_SIN_22017/0912T135444_2017/0912T135757_C001 SARIN X-track Angle Error SARIN X-track Angle Error SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more	CS_OFFL_SIR_SIN_2_20170912T130553_20170912T130619_C001		Model was used for one or more records
In ambiguous angle was detected for CADIn made for one or more		CS_OFFL_SIR_SIN_2_20170912T135444_20170912T135757_C001	SARIn X-track Angle Error	records
		CS_OFFL_SIR_SIN_220170912T140315_20170912T140429_C001	SARIn X-track Angle Error	

CS_OFFL_SIR_SIN_2_20170912T153233_20170912T153642_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170912T154213_20170912T154338_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170912T162004_20170912T162049_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_220170912T162225_20170912T162548_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170912T171003_20170912T171144_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170912T172008_20170912T172151_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170912T175831_20170912T180007_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170912T180349_20170912T180445_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170912T184908_20170912T185050_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170912T185626_20170912T185633_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170912T185758_20170912T190014_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170912T194146_20170912T194359_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_220170912T202814_20170912T203004_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170912T203524_20170912T203530_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170912T203539_20170912T203546_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170912T203651_20170912T204137_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170912T212742_20170912T212816_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

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	143	143	143	0	0
SIR_LRM_2	143	143	143	0	0
SIR_LRMI2_	143	143	143	0	0
SIR_SAR_1B	97	97	97	0	0
SIR_SAR_2	97	97	97	0	0
SIR_SARI2_	97	97	97	0	0
SIR_SIN_1B	111	111	111	0	0
SIR_SIN_2	111	111	111	0	0
SIR_SINI2	111	111	111	0	0
SIR GDR 2	14	14	14	0	0

6.1 QCC Errors

Number of products with QCC errors:

6.2 QCC Warnings

Number of QCC reports with warnings

6.2 Missing QCC Reports

Number of products with missing QCC reports:

164

0

0