



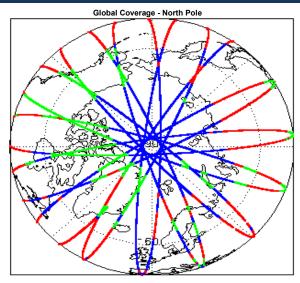
1. Overview

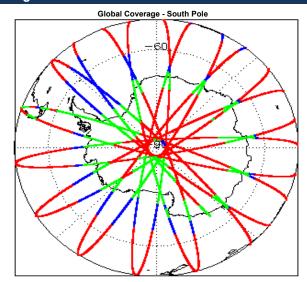
Report Production Date:	14-Feb-2018			
Processor Used:	CryoSat Ice Processor			
Data Used:	L1B and L2 OFFLINE Data			

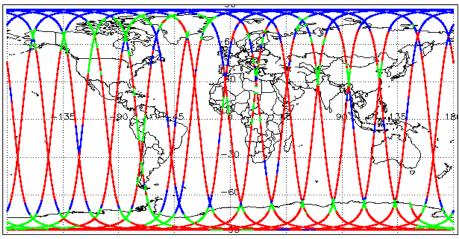
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary Data File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

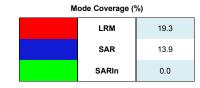
Mission / Instru	ment News
12-Jan-2018	None
13-Jan-2018	None
14-Jan-2018	Nothing planned

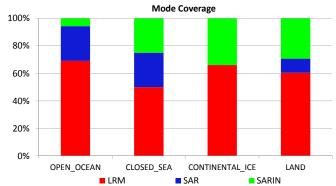
2. Global Coverage

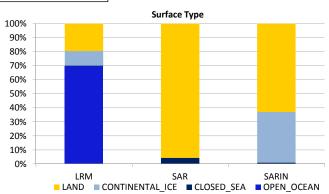












3. Instrument Configuration

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: 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 validity of Auxiliary Data Files is correct.

Number of products with errors:

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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:

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: 108

Product	Test Failed	Description
	,	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220180113T002001_20180113T003412_C001	. ,	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 and a height error for Retracker 3 for one or more records

CS_OFFL_SIR_LRM_220180113T010813_20180113T011446_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
CS_OFFL_SIR_LRM_2_20180113T011450_20180113T011735_C001	(Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error
CS_OFFL_SIR_LRM_220180113T0114600_20180113T015700_C001	(Retracker 2) Height Error (Retracker 2), Backscatter	for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more
	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_220180113T020245_20180113T021027_C001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter	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_220180113T021211_20180113T021648_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_220180113T021954_20180113T022759_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_220180113T023021_20180113T024534_C001	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_220180113T032207_20180113T035603_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180113T035835_20180113T040041_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180113T040114_20180113T040642_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180113T040920_20180113T043427_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_220180113T050556_20180113T051741_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_220180113T052320_20180113T053400_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_220180113T054820_20180113T061738_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_220180113T064008_20180113T071325_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_220180113T072719_20180113T073310_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_220180113T081936_20180113T085309_C001	Error (Retracker 2) Height Error (Retracker 2) Height Error (Retracker 2), Backscatter	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_220180113T090614_20180113T092546_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_220180113T095525_20180113T095611_C001	Error (Retracker 2) Height 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_220180113T095740_20180113T103115_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_20180113T103912_20180113T104307_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_220180113T104658_20180113T112124_C001	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_220180113T114111_20180113T114830_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180113T115312_20180113T115437_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_220180113T115440_20180113T121051_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_220180113T122822_20180113T124129_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_220180113T124343_20180113T125553_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_20180113T125857_20180113T125944_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_20180113T132306_20180113T133331_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
CS_OFFL_SIR_LRM_220180113T133511_20180113T134936_C001	(Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
	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_220180113T141254_20180113T141744_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180113T142410_20180113T142720_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_220180113T142843_20180113T143552_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_220180113T150732_20180113T152903_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_220180113T154236_20180113T160921_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_220180113T163157_20180113T163257_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_220180113T164310_20180113T170832_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_220180113T171540_20180113T171905_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180113T172231_20180113T173333_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_220180113T173910_20180113T175500_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_220180113T181930_20180113T183921_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_220180113T185009_20180113T185811_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180113T190157_20180113T193523_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_220180113T201825_20180113T202735_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_220180113T204037_20180113T210309_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records

Bodden Col. Displace of the State of the		Height Error (Retracker 2), Height Error	
CQ-071_301_10422010011212005_001011212005_0010000000000	CS_OFFL_SIR_LRM_220180113T210555_20180113T211539_C001	(Retracker 3), Backscatter Error	
Service Serv	CS_OFFL_SIR_LRM_220180113T213855_20180113T214352_C001		
Copt - Sex Bird 2 - 2008111721102 2010 (19712480 COS) Copt - Sex Bird 2 - 2008111721102 2010 (19712480 COS) Copt - Sex Bird 2 - 200811172102 2010 (19712480 COS) Copt - Sex Bird 2 - 2008117210 2010 (19712480 COS) Copt - Sex Bird 2 - 2008117210 2010 (19712480 COS) Copt - Sex Bird 2 - 2008117210 2010 (19712480 COS) Copt - Sex Bird 2 - 2008117210 2010 (19712480 COS) Copt - Sex Bird 2 - 2008117210 2010 (19712480 COS) Copt - Sex Bird 2 - 2008117210 (19702480 COS) Copt - Sex Bird 2 - 2008117210 (19702480 COS) Copt - Sex Bird 2 - 2008117210 (19702480 COS) Copt - Sex Bird 2 - 2008117210 (19702480 COS) Copt - Sex Bird 2 - 2008117210 (19702480 COS) Copt - Sex Bird 2 - 2008117210 (19702480 COS) Copt - Sex Bird 2 - 2008117210 (19702480 COS) Copt - Sex Bird 2 - 2008117210 (19702480 COS) Copt - Sex Bird 2 - 2008117210 (19702480 COS) Copt - Sex Bird 2 - 2008117210 (19702480 COS) Copt - Sex Bird 2 - 2008117210 (19702480 COS) Copt - Sex Bird 2 - 2008117210 (19702480 COS) Copt - Sex Bird 2 - 2008117210 (19702480 COS) Copt - Sex Bird 2 - 2008117210 (19702480 COS) Copt - Sex Bird 2 - 2008117210 (19702480 COS) Copt - Sex Bird 2 - 2008117210 (19702480 COS) Copt - Sex Bird 2 - 2008117210 (19702480 COS) Copt - Sex Bird 2 - 2008117210 (19702480 COS) Copt - Sex Bird 2 - 2008117210 (1970240 COS) Copt - Sex Bird 2 - 2008117210 (1970240 COS) Copt - Sex Bird 2 - 2008117210 (1970240 COS) Copt - Sex Bird 2 - 2008117210 (1970240 COS) Copt - Sex Bird 2 - 2008117210 (1970240 COS) Copt - Sex Bird 2 - 2008117210 (1970240 COS) Copt - Sex Bird 2 - 2008117210 (1970240 COS) Copt - Sex Bird 2 - 2008117210 (1970240 COS) Copt - Sex Bird 2 - 2008117210 (1970240 COS) Copt - Sex Bird 2 - 2008117210 (1970240 COS) Copt - Sex Bird 2 - 2008117210 (1970240 COS) Copt - Sex Bird 2 - 2008117210 (1970240 COS) Copt - Sex Bird 2 - 2008117210 (1970240 COS) Copt - Sex Bird 2 - 2008117210 (1970240 COS) Copt - Sex Bird 2 - 2008117210 (1970240 COS) Copt - Sex Bird 2 - 2008117210 (1970240 COS) Copt - Sex Bird 2 - 2008117210 (1970240	CS_OFFL_SIR_LRM_220180113T214604_20180113T215203_C001		
Supplier part of the control of the	CS_OFFL_SIR_LRM_220180113T215351_20180113T220517_C001		
CQ-071_0P.0.1.0.2_20160117310475_2016011731045_0001 Author Manual Manua	CS_OFFL_SIR_LRM_220180113T221113_20180113T221400_C001	·	No DEM or Slope Model was used for the location of one or more records
Co. Comp. Bigs. 2016;197139112, 2016;19713912, 2016;19713913913912, 2016;197139139	CS_OFFL_SIR_LRM_220180113T222031_20180113T225316_C001	(Retracker 3), Backscatter Error	
Section Sect	CS_OFFL_SIR_LRM_220180113T231715_20180113T234136_C001	Height Error (Retracker 2), Backscatter	~
Social Section Section (Section Section Sectio	CS_OFFL_SIR_LRM_220180113T235112_20180113T235306_C001	,	
SQ. OFFL. SR. N. 2. 20100113T00059. 2010013T00059. 2010 SQ. OFFL. SR. N. 2. 20100113T00059. 201013T00059. 2010 SQ. OFFL. SR. N. 2. 20100113T0059. 201013T00059. 2010 SQ. OFFL. SR. N. 2. 20100113T00059. 201013T00059. 2010 SQ. OFFL. SR. N. 2. 20100113T00059. 201013T00059. 2010 SQ. OFFL. SR. N. 2. 20100113T00059. 201013T00169. 2010 SQ. OFFL. SR. SR. 2. 20100113T00059. 201013T00059. 2010 SQ. OFFL. SR	CS_OFFL_SIR_SIN_220180112T235532_20180113T000035_C001	SARIn X-track Angle Error	
SQ. OFFL. SIN. 2_20161137304655_0010137304655_0010137304655_0010137304655_0010137304655_0010137304655_0010137304655_0010137304655_0010137304655_0010137304655_0010137304655_0010137304655_0010137304655_0010137304655_001013730465	CS_OFFL_SIR_SIN_220180113T003904_20180113T004152_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
Sept. Sept. 2, 20160113110489_001013110490_00101310490_001013110490_001013110490_001013110490_001013110490_00101310490_001013110490_001013110490_001013110490_001013110490_00101310490_001013110490_001013110490_001013110490_001013110490_00101310490_001013110490_001013110490_001013110490_001013110490_00101310490_001013110490_001013110490_001013110490_001013110490_00101310490_001013110490_00101	CS_OFFL_SIR_SIN_220180113T004356_20180113T004456_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
S., OFFL. SRI, SNI, 2, 24100113705478, 2018011370749, 2018 C. O., OFFL. SRI, SNI, 2, 24100113705471, 2018011370749, 2010 SARIN Areach Argie Error An ambiguous angle was detected for SARIn mode for one or more record. An ambiguous angle was detected for SARIn mode for one or more or more and the saring of	CS_OFFL_SIR_SIN_220180113T004858_20180113T005035_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
SCOPTL, SIR, SIN, 2_2018113701847_2018013701850_001 SARRA X-roads Angle Error An antiquous angle was detected for SARRa mode for one or more records. SCOPTL, SIR, SIN, 2_20181131020182_018013701850_001 SARRA X-roads Angle Error An antiquous angle was detected for SARRa mode for one or more records. SCOPTL, SIR, SIN, 2_20181131020182_018013700385_001 SARRA X-roads Angle Error An antiquous angle was detected for SARRa mode for one or more records. SCOPTL, SIR, SIN, 2_20181131020182_018013700385_001 SARRA X-roads Angle Error An antiquous angle was detected for SARRa mode and no DEM or Skips. An antiquous angle was detected for SARRa mode for one or more records. SCOPTL, SIR, SIN, 2_2018113700401_20180137004014_001 SARRA X-roads Angle Error SCOPTL, SIR, SIN, 2_2018013700402_018013700404_001 SARRA X-roads Angle Error SCOPTL, SIR, SIN, 2_2018013700402_018013700404_001 SARRA X-roads Angle Error SCOPTL, SIR, SIN, 2_2018013700402_0180137004040_001 SARRA X-roads Angle Error SARRA X-roads Angle	CS_OFFL_SIR_SIN_220180113T013439_20180113T013547_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
Se, OFF_SR_SN_2_0160113702802_01801131702802_018011	CS_OFFL_SIR_SIN_2_20180113T013647_20180113T013758_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
SAPID. X Instal. Angle Error SAPID.		-	An ambiguous angle was detected for SARIn mode for one or more
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SAPIN X-mack Angle Error SAPIN X-mack Angle			An ambiguous angle was detected for SARIn mode for one or more
GR_OFFL_SIR_SIN_2_20180113T04472_20180113T04474_C001 SARIN X-rack Angle Error An ambiguous angle was detected for SARIn mode and no DEM or Sixpe William X-rack Angle Error SARIN X-rack Angle Error SARIN X-rack 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 SARIN X-rack Angle Error SARIN X-rack Angle Error An ambiguous angle was detected for SARIn mode for one or more records CO_OFFL_SIR_SIN_2_20180113T075822_20180113T075825_0001 SARIN X-rack Angle Error SARIN X-rack Angle Error An ambiguous angle was detected for SARIn mode for one or more records CO_OFFL_SIR_SIN_2_20180113T075823_20180113T075825_0001 SARIN X-rack Angle Error SARIN X-rack Angle Error SARIN X-rack Angle Error SARIN X-rack Angle Error An ambiguous angle was detected for SARIn mode for one or more records CO_OFFL_SIR_SIN_2_20180113T075825_20180113T075825_0001 SARIN X-rack Angle Error An ambiguous angle was detected for SARIn mode for one or more records CO_OFFL_SIR_SIN_2_20180113T1004402_20180113T104415_0001 SARIN X-rack Angle Error An ambiguous angle was detected for SARIn mode for one or more records CO_OFFL_SIR_SIN_2_20180113T1004402_20180113T104415_0001 SARIN X-rack Angle Error An ambiguous angle was detected for SARIn mode for one or more records CO_OFFL_SIR_SIN_2_20180113T1004402_20180113T104415_0001		-	An ambiguous angle was detected for SARIn mode for one or more
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CS_OFFL_SIR_SIN_2_20180113T06453_20180113T064586_0001 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 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 An ambiguous angle was detected for SARIn mode for one or more records. SARIN X-track Angle Error SARIN X-track Ang		-	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_201801131054843_201801131054806_C001 SARIN X-track Angle Error SARIN X-track Angle		-	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180113T071623_20180113T071852_C001 SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more executed in the control of		, and the second	An ambiguous angle was detected for SARIn mode for one or more
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CS_OFFL_SIR_SIN_2_20180113T090488_20180113T090531_C001 SARIN 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 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 ARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or m		, and the second	An ambiguous angle was detected for SARIn mode for one or more
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CS_OFFL_SIR_SIN_2_20180113T103240_20180113T104416_C001 SARIN X-track Angle Error SARIN X-track Angle			An ambiguous angle was detected for SARIn mode for one or more
SARIN X-track Angle Error SARIN X-track Angle E	CS OFFL SIR SIN 2 20180113T103240 20180113T103431 C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180113T112143_20180113T112244_C001 SARIN X-track Angle Error 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 SARIN X-track Angle Error surface 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 SARIN X-track Angle Error surface was used 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 surface was used 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 surface 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		, and the second	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180113T112537_20180113T112544_C001 SARIN X-track Angle Error An ambiguous angle			An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180113T121057_20180113T121234_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 An ambiguous angle was detected for SARIN mode			An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180113T122007_20180113T132203_C001 SARIN X-track Angle Error, Surface Model Unavailable 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 Unavailable An ambiguous angle was detected for SARIn mode and no DEM or Slope Model Unavailable 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			An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180113T130342_20180113T130558_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 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 SARIN X-track Angle Error S			An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180113T135012_20180113T135200_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 An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detec		SARIn X-track Angle Error, Surface	An ambiguous angle was detected for SARIn mode and no DEM or Slope
CS_OFFL_SIR_SIN_2_20180113T135721_20180113T140535_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 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			An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180113T135842_20180113T140535_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, 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 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 S		-	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180113T143922_20180113T144434_C001 SARIN X-track Angle Error, Surface Model Unavailable SARIN X-track Angle Error An ambiguous angle was detected for SARIN mode			An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180113T152918_20180113T153219_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 An ambiguous angle was detected for SARIN mode for one or more records		SARIn X-track Angle Error, Surface	An ambiguous angle was detected for SARIn mode and no DEM or Slope
CS_OFFL_SIR_SIN_2_20180113T153620_20180113T153625_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 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
CS_OFFL_SIR_SIN_2_20180113T153635_20180113T153640_C001 SARIn X-track Angle Error			An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180113T153851_20180113T154133_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 records An ambiguous angle was detected for SARIn mode for one or more records CS_OFFL_SIR_SIN_2_20180113T171533_20180113T171539_C001 SARIn X-track Angle Error		-	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180113T170851_20180113T171008_C001 SARIn X-track Angle Error			An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180113T171533_20180113T171539_C001 SARIn X-track Angle Error SARIn X-track Angle Error, Surface 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
CS_OFFL_SIR_SIN_2_20180113T171905_20180113T172025_C001 SARIn X-track Angle Error SARIn X-track Angle Error, Surface SARIn X-track Angle Error, Surface 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			An ambiguous angle was detected for SARIn mode for one or more
CS_OFFI_SIR_SIN_2_20180113T180730_20180113T180805_C001 SARIn X-track Angle Error, Surface An ambiguous angle was detected for SARIn mode and no DEM or Slope		-	An ambiguous angle was detected for SARIn mode for one or more
Model Unavailable Model was used for one or more records		SARIn X-track Angle Error, Surface	An ambiguous angle was detected for SARIn mode and no DEM or Slope
	00_0.1.2_0IN_0IN_2201001101100100_201001101100000_0001	Model Unavailable	Model was used for one or more records

CS_OFFL_SIR_SIN_220180113T184845_20180113T185009_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20180113T185812_20180113T185923_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180113T202818_20180113T202943_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20180113T203500_20180113T203804_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180113T220804_20180113T221113_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180113T221400_20180113T221742_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180113T230504_20180113T230838_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20180113T234838_20180113T235112_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180113T235307_20180113T235523_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180113T235802_20180113T235932_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	162	162	162	0	0
SIR_LRM_2	160	160	160	0	0
SIR_LRMI2_	160	160	160	0	0
SIR_SAR_1B	107	107	107	0	0
SIR_SAR_2	107	107	107	0	0
SIR_SARI2_	107	107	107	0	0
SIR_SIN_1B	99	99	99	0	0
SIR_SIN_2	99	99	99	0	0
SIR_SINI2	99	99	99	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:

188