



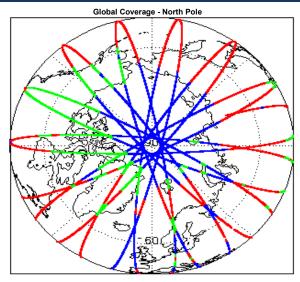
1. Overview

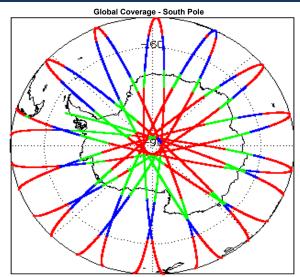
Report Production Date:	26-Nov-2018		
Processor Used:	CryoSat Ice Processor		
Data Used:	L1B and L2 OFFLINE Data		

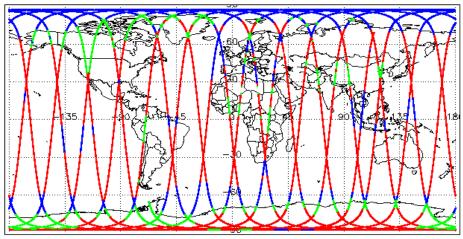
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary Data File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

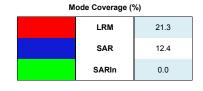
Mission / I	strument News
24-Oct-20	18 None
25-Oct-20	18 None
26-Oct-20	Nothing planned

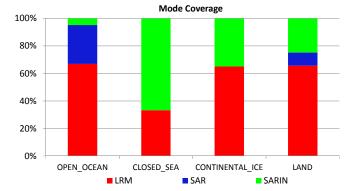
2. Global Coverage

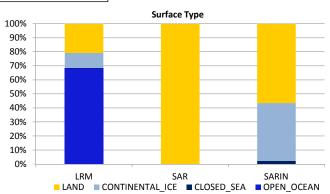












3. Instrument Configuration

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

4. Level 1B Data Quality Check

4.1 L1B Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it 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:

Ο

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: 107

Product	Test Failed	Description
	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS OFFE SIR LRM 2 201810251005057 201810251011629 C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records

	Height Error (Retracker 2), Height Error	L
CS_OFFL_SIR_LRM_220181025T015022_20181025T021331_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_220181025T022238_20181025T022604_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220181025T022934_20181025T024421_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_220181025T024606_20181025T025735_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_20181025T032907_20181025T035254_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_220181025T042519_20181025T044313_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_220181025T045440_20181025T045725_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_220181025T050745_20181025T050920_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_220181025T052817_20181025T052940_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_220181025T053629_20181025T054159_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220181025T054934_20181025T062405_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_220181025T063355_20181025T063624_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_220181025T065416_20181025T071014_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_220181025T071548_20181025T072056_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220181025T072755_20181025T080355_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_20181025T082549_20181025T084830_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_220181025T085806_20181025T090000_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220181025T090742_20181025T092422_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_220181025T092904_20181025T094232_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_220181025T095557_20181025T101326_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_220181025T101516_20181025T102933_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_220181025T104640_20181025T110128_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_220181025T110330_20181025T110706_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_220181025T110709_20181025T111252_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_220181025T113327_20181025T113442_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_220181025T113457_20181025T115215_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_220181025T115750_20181025T120617_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_220181025T120653_20181025T121018_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_220181025T121504_20181025T122315_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220181025T122629_20181025T124116_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_220181025T124715_20181025T125011_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_220181025T131501_20181025T132347_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_20181025T132404_20181025T135013_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_220181025T135630_20181025T140151_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220181025T140641_20181025T142825_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_220181025T150257_20181025T151257_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_220181025T154526_20181025T161304_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_220181025T162001_20181025T162244_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_220181025T163517_20181025T170657_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_220181025T172446_20181025T172825_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_220181025T175921_20181025T180220_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_220181025T181409_20181025T182400_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_20181025T182553_20181025T184712_C001	(Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
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For University 1	CS_OFFL_SIR_LRM_220181025T190450_20181025T192102_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CQ-OPT_BID_PID_2_2010002773047_2610027204010_COORD CQ-OPT_BID_PID_2_2010002773047_2610027204010_COORD CQ-OPT_BID_PID_2_2010002773041027204010_COORD CQ-OPT_BID_PID_2_2010002773041027204010_COORD CQ-OPT_BID_PID_2_201000277304102773041002707040_COORD CQ-OPT_BID_PID_2_201000277304102773041002707040_COORD CQ-OPT_BID_PID_2_201000277304102720410_COORD CQ-OPT_BID_PID_2_201000277304102720410007027040_COORD CQ-OPT_BID_PID_2_201000277304102720410_COORD CQ-OPT_BID_PID_2_20100027730410272041000702704_COORD CQ-OPT_BID_PID_2_2010002773041000702704_COORD CQ-OPT_BID_PID_2_2010002773041000702704_COORD CQ-OPT_BID_PID_2_201000277304100702704_COORD CQ-OPT_BID_PID_2_201000277304000702704_COORD CQ-OPT_BID_PID_2_201000277304000702704000704_COORD CQ-OPT_BID_PID_2_2010002773040007040	00_011E_0II_EI\III_2201010231130430_201010231132102_0001		
D_CPT_DR_DL_2_2014002712401_2014002712401 CO	CS_OFFL_SIR_LRM_220181025T195035_20181025T202555_C001	(Retracker 3), Backscatter Error	
Copper_Bit_Bit_D20010020720200_0010020720200_0010000000000	CS_OFFL_SIR_LRM_220181025T203427_20181025T203819_C001		·
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Fig. (Fig. Millands 2), while the product of the pr	CS_OFFL_SIR_LRM_220181025T214827_20181025T220517_C001	(Retracker 3), Backscatter Error	
CS_OFF_SR_INL_2_consciouszage_pass_pass_pass_pass_pass_pass_pass_pas	CS_OFFL_SIR_LRM_220181025T222329_20181025T223647_C001	Error (Retracker 2)	
Expert Set Links 2_control control con	CS_OFFL_SIR_LRM_220181025T223901_20181025T225624_C001	(Retracker 3), Backscatter Error	
Co., OFF_IRS_BILE_20160257032460_20181025700340_0015 ORGANISMS	CS_OFFL_SIR_LRM_220181025T225637_20181025T225726_C001	Error (Retracker 2)	
Excit Plateaute 2 Section 1997 Conf. Birt Plateaute 2 Se	CS_OFFL_SIR_LRM_2_20181025T231823_20181025T232846_C001	(Retracker 3), Backscatter Error	
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CB_OFF_SR_SN_2_2016025700451_2016025700451_C0101	CS_OFFL_SIR_SIN_2_20181025T003554_20181025T003813_C001		An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20191025T00451_20191025T01900_C001 SARTIN_Krisak_Angle_Error SARTIN_Krisak_Angle_E			An ambiguous angle was detected for SARIn mode for one or more
SARID. Kritisch Angle Error SARID. SARID. SARID. SARID. Angle Error SARID. Kritisch Angle Error SARID. Kritisch Angle Error SARID. Kritisch Angle Error SARID. SARID. SARID. SARID. SARID. Angle Error SARID. SARID		-	
Model Liberalisation Model Publication Model Publ		· ·	
S. OFFL, SRI, SRIV. 2. 201810237022215 201810237022747. C001 SARID X-Yatak Angle Error SARID X-Yatak	CS_UFFL_SIR_SIN_220181025T013526_20181025T013600_C001	•	Model was used for one or more records
Sept. Sin Sin N. 2 20181023102208 281810231022747 (2001 Sept. Sin Sin N. 2 20181023102308 281810231022747 (2001 Sept. Sin Sin N. 2 2018102310363 2018102310364 (2001 Sept. Sin Sin N. 2 2018102310363 2018102310363 (2001 Sept. Sin Sin N. 2 2018102310363 (2018102310363 (2001) Sept. Sin Sin N. 2 201810231040102 2018102310363 (2001) Sept. Sin Sin N. 2 201810231040102 2018102310363 (2001) Sept. Sin Sin N. 2 2018102310363 (2018102310363 (2001) Sept. Sin Sin N. 2 2018102310440 (2018102310364 (2018) (2018102310364 (2018) (2018) (20181036)	CS_OFFL_SIR_SIN_2_20181025T021608_20181025T021840_C001	SARIn X-track Angle Error	records
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CS_OFFL_SIR_SIN_2_20181025T031544_20181025T03503_00	CS_OFFL_SIR_SIN_220181025T022605_20181025T022747_C001	SARIn X-track Angle Error	
SAPIN X-track Angle Error CS_OFFL_SIR_SIN_2_201810257040129_201810257058029_001 SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more necoda An ambiguous angle was detected for SARIn mode for one or more necoda SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more necoda SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more necoda SARIN X-track Angle Error SARIN	CS_OFFL_SIR_SIN_220181025T031544_20181025T031604_C001		An ambiguous angle was detected for SARIn mode and no DEM or Slope
CS_OFFL_SIR_SIN_2_20181025T040502_20181025T040402_C001 SARIN X-track Angle Error encords SARIN X-track Angle Error enco	CS_OFFL_SIR_SIN_220181025T035503_20181025T035631_C001	SARIn X-track Angle Error	
SAFIN X-track Angle Error	CS_OFFL_SIR_SIN_220181025T040129_20181025T040136_C001	SARIn X-track Angle Error	
SARIN X-track Angle Error SARIN X-track Angl	CS_OFFL_SIR_SIN_220181025T040505_20181025T040643_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_201810251054304_201810251095355_C001 SARIN X-track Angle Error Error Surface Model Unavailable An ambiguous angle was detected for SARIn mode and no DEM or Stope 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 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 mod	CS_OFFL_SIR_SIN_220181025T053510_20181025T053629_C001	SARIn X-track Angle Error	
CS_OFFL_SIR_SIN_2_20181025T083314_20181025T075385_C001 SARIN X-track Angle Error. Surface Model Wanasilable Model was detected for SARIn mode and no DEM or Slope Model was asset 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. SC_OFFL_SIR_SIN_2_20181025T095082_20181025T095896_C001 SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records. SC_OFFL_SIR_SIN_2_20181025T0950002_20181025T0950942_C001 SARIN X-track Angle Error SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records. SC_OFFL_SIR_SIN_2_20181025T0950902_20181025T095557_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. SC_OFFL_SIR_SIN_2_20181025T095043_20181025T095557_C001 SARIN X-track Angle Error SARIN X	CS_OFFL_SIR_SIN_220181025T054200_20181025T054516_C001	SARIn X-track Angle Error	
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SARIN X-track Angle Error Robust angle was detected for SARIn mode for one or more records and analysis angle was detected for SARIn mode for one or more records. SARIN X-track Angle Error Robust Analysis angle was detected for SARIn mode for one or more records. SARIN X-track Angle Error Robust Analysis angle was detected for SARIn mode for one or more records. SARIN X-track Angle Error Robust Analysis angle was detected for SARIn mode for one or more records. SARIN X-track Angle Error Robust Analysis angle was detected for SARIn mode for one or more records. SARIN X-track Angle Error Robust Analysis angle was detected for SARIn mode for one or more records. SARIN X-track Angle Error Robust Analysis angle was detected for SARIn mode for one or more records. SARIN X-track Angle Error Robust Analysis angle was detected for SARIn mode for one or more records. SARIN X-track Angle Error Robust R	CS_OFFL_SIR_SIN_2_20181025T071434_20181025T071548_C001		An ambiguous angle was detected for SARIn mode for one or more
SARIN X-track Angle Error SARIN X-track Angl	CS_OFFL_SIR_SIN_220181025T072056_20181025T072411_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
SOFFL SIR, SIN 2_20181025T1090000_20181025T090542_C001 SARIN X-track Angle Error SARIN X-track Angle	CS OFFL SIR SIN 2 20181025T085529 20181025T085806 C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
SARIN X-track Angle Error SARIN X-track Angle E		-	An ambiguous angle was detected for SARIn mode for one or more
SARIN X-track Angle Error SARIN X-track Angle E		-	
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CS_OFFL_SIR_SIN_2_20181025T113200_20181025T113300_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 ambiguo	CS_OFFL_SIR_SIN_220181025T104413_20181025T104550_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20181025T121258_20181025T121504_C001 CS_OFFL_SIR_SIN_2_20181025T121258_20181025T122502_C001 SARIN X-track Angle Error SARIN X-track Angle Error CS_OFFL_SIR_SIN_2_20181025T132315_20181025T131500_C001 CS_OFFL_SIR_SIN_2_20181025T135322_20181025T135304_C001 CS_OFFL_SIR_SIN_2_20181025T135332_20181025T135349_C001 CS_OFFL_SIR_SIN_2_20181025T135534_20181025T1353349_C001 CS_OFFL_SIR_SIN_2_20181025T135554_20181025T135630_C001 SARIN X-track Angle Error CS_OFFL_SIR_SIN_2_20181025T140152_20181025T140424_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 reco	CS_OFFL_SIR_SIN_220181025T112958_20181025T113105_C001	SARIn X-track Angle Error	records
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CS_OFFL_SIR_SIN_2_20181025T12315_20181025T131500_C001 SARIN X-track Angle Error, Surface Model Unavailable SARIN X-track Angle Error SARIN X-track Angle Error, Surface Model Unavailable SARIN X-track Angle Error SARIN X-track Angle Error, Surface Model Unavailable SARIN X-track Angle Error SARIN X-track Angle Error, Surface Model Unavailable SARIN X-track Angle Error 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	CS_OFFL_SIR_SIN_220181025T121258_20181025T121504_C001	SARIn X-track Angle Error	
CS_OFFL_SIR_SIN_2_20181025T130912_20181025T131500_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 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 A	CS_OFFL_SIR_SIN_220181025T122315_20181025T122502_C001	SARIn X-track Angle Error	
CS_OFFL_SIR_SIN_2_20181025T135232_20181025T135349_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	CS_OFFL_SIR_SIN_220181025T130912_20181025T131500_C001		An ambiguous angle was detected for SARIn mode and no DEM or Slope
CS_OFFL_SIR_SIN_2_20181025T135554_20181025T140424_C001 SARIN X-track Angle Error 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 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_220181025T135232_20181025T135349_C001		An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20181025T140152_20181025T140424_C001 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 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_220181025T135554_20181025T135630_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20181025T144235_20181025T144302_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 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		SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20181025T153150_20181025T153311_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		SARIn X-track Angle Error, Surface	An ambiguous angle was detected for SARIn mode and no DEM or Slope
CS_OFFL_SIR_SIN_2_20181025T153408_20181025T153557_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
CS_OFFL_SIR_SIN_2_20181025T154201_20181025T154324_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		-	
CS_OFFL_SIR_SIN_2_201810251194201_201810251194324_C001 SARIN X-track Angle Error CS_OFFL_SIR_SIN_2_20181025T171139_20181025T171506_C001 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 An ambiguous angle was detected for SARIn mode for one or more			
CS_OFFL_SIR_SIN_2201610291171139_201610291171300_C001 SARIN X-track Angle Error CS_OFFL_SIR_SIN_2_20161029117139_201610291171300_C001 SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more			records
		, and the second	records
	CS_OFFL_SIR_SIN_220181025T172035_20181025T172152_C001	SARIn X-track Angle Error	

CS_OFFL_SIR_SIN_2_20181025T185045_20181025T185406_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220181025T185923_20181025T190046_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220181025T194045_20181025T194259_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220181025T202750_20181025T202936_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220181025T203819_20181025T203930_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220181025T211655_20181025T211802_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220181025T212056_20181025T212201_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220181025T220612_20181025T220748_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220181025T221338_20181025T221340_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220181025T221520_20181025T221718_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220181025T225900_20181025T230116_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_220181025T234526_20181025T234714_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220181025T235251_20181025T235254_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220181025T235355_20181026T000050_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	148	148	148	0	0
SIR_LRM_2	147	147	147	0	0
SIR_LRMI2_	147	147	147	0	0
SIR_SAR_1B	93	93	93	0	0
SIR_SAR_2	93	93	93	0	0
SIR_SARI2_	93	93	93	0	0
SIR_SIN_1B	98	98	98	0	0
SIR_SIN_2	98	98	98	0	0
SIR_SINI2	98	98	98	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:

178