



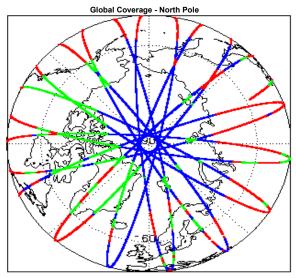
# 1. Overview

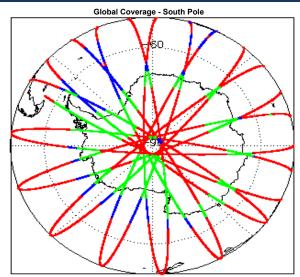
Report Production Date:	09-Mar-2018	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1B and L2 OFFLINE Data	

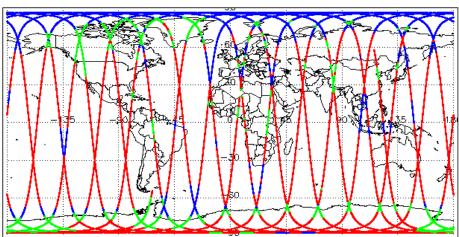
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary Data File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

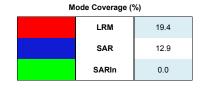
N	lission / Instru	ment News
	09-Feb-2018	None
	10-Feb-2018	None
	11-Feb-2018	Nothing planned

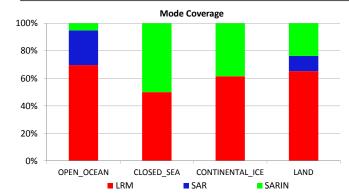
# 2. Global Coverage

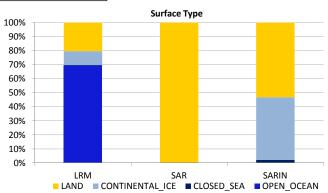












# 3. Instrument Configuration

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

SIRAL - A

## 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:

cts with errors:

#### 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_20180210T054157_20180210T054305_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.

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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_220180210T000718_20180210T000949_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20180210T001618_20180210T003122_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_220180210T003301_20180210T003714_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_220180210T010955_20180210T011705_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_20180210T011828_20180210T014238_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_20180210T015559_20180210T022001_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_220180210T025745_20180210T032150_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_220180210T033430_20180210T040039_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_220180210T042850_20180210T044334_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_220180210T044909_20180210T050112_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_20180210T051344_20180210T054016_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_220180210T055127_20180210T055210_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_220180210T060459_20180210T064002_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_220180210T065228_20180210T065534_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_220180210T070201_20180210T070916_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_220180210T074457_20180210T075343_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_20180210T075629_20180210T081849_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_220180210T083203_20180210T084459_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_220180210T084647_20180210T085404_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_220180210T085500_20180210T085906_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_220180210T090837_20180210T090841_C001	Height Error (Retracker 3),	#N/A
CS_OFFL_SIR_LRM_220180210T092532_20180210T094851_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_20180210T094859_20180210T095741_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_220180210T100455_20180210T100726_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180210T101537_20180210T102806_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_220180210T102835_20180210T104549_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_220180210T110725_20180210T111902_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_20180210T112106_20180210T113653_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_220180210T115238_20180210T120452_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_220180210T120932_20180210T122055_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_220180210T130029_20180210T131533_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_220180210T132858_20180210T140330_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_220180210T143051_20180210T145202_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_220180210T150223_20180210T150549_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180210T150809_20180210T153702_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_220180210T160641_20180210T163448_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_220180210T164757_20180210T165925_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_20180210T170500_20180210T172250_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_220180210T174730_20180210T174907_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_220180210T181615_20180210T182145_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20180210T182712_20180210T190107_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_220180210T192501_20180210T192754_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_220180210T193408_20180210T195325_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_220180210T200558_20180210T204027_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_20180210T210535_20180210T211002_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_220180210T211038_20180210T212816_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records

Company   19   19   20   19   19   19   19   19   19   19   1			
Co. 0.011_000_1000_2000000000000000000000000	CS_OFFL_SIR_LRM_220180210T213121_20180210T213157_C001		, and the second
Service (1994) and production of the control of the	CS_OFFL_SIR_LRM_220180210T213750_20180210T213945_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
Co. One, 18, 1841.2, 20180017732892, 2018017732892, COTS  Co. One, 1881.2, 20180017732892, 20180177392, COTS  Co. One, 1881.2, 20180017732892, 20180177392, COTS  Co. One, 1881.2, 20180017732892, 20180177392, COTS  Co. One, 1881.2, 2018001773392, 201801777392, COTS  Co. One, 1881.2, 201800177392, 201800177392, COTS  Co. One, 1881.2, 201800177392, 20180017739	CS_OFFL_SIR_LRM_220180210T214632_20180210T220127_C001		· ·
CS_CPT_SC_LON2-DIRECTOTIZENS_2 DIRECTOTIZENS_COID  CS_CPT_SC_LON2-DIRECTOTIZENS_COID  CS_CPT_SC_LON2-DIRECTOTIZENS_2 DIRECTOTIZENS_COID  CS_CPT_SC_LON2-DIRECTOTIZENS_2 DIRECTOTIZENS_COID  CS_CPT_SC_LON2-DIRECTOTIZENS_2 DIRECTOTIZENS_COID  CS_CPT_SC_LON2-DIRECTOTIZENS_2 DIRECTOTIZENS_COID  CS_CPT_SC_LON2-DIRECTOTIZENS_COID  CS_CPT_SC_LON_	CS_OFFL_SIR_LRM_220180210T220130_20180210T220404_C001	(Retracker 3), Backscatter Error (Retracker 2)	
Comparison   Com	CS_OFFL_SIR_LRM_220180210T220845_20180210T221609_C001	(Retracker 3), Backscatter Error	
Co. OFT. SR. LAN 2. 2018201712393_2018217123911_CO.   Co. OFT. SR. LAN 2. 2018201712391_2018217123911_CO.   Co. OFT. SR. LAN 2. 2018201712391_201821712391_CO.   Co. OFT. SR. LAN 2. 2018201712391_201821712391_CO.   Co. OFT. SR. SR. 2. 2018201712391_CO.   Co. OFT. SR. SR. 2. 2018201712391_CO.   Co. OFT. SR. SR. 2. 2018201712392_CO.   Co. OFT. SR. SR. 2. 2018201712393_CO.   Co. O	CS_OFFL_SIR_LRM_220180210T223556_20180210T225320_C001		
Fig. (FILLING) _ selected tracked processors _ records	CS_OFFL_SIR_LRM_220180210T225503_20180210T230915_C001	(Retracker 3), Backscatter Error	
GS_CPF_SR_NIL_D_concentration_colors   Shakesome froid minimized by 1 Shakesome froid by 1 Shakesome froid minimized by 1 Shakesome froid by 1 Shakesome froid minimized by 1 Shakesome froid by 1 Shakesome froid minimized by 1 Shakesome froid by 1	CS_OFFL_SIR_LRM_220180210T232534_20180210T234111_C001		
Soft, Sign 2, 2 descentionous 2 descentionous 2 descentionous 2 descention 2 descen	CS_OFFL_SIR_LRM_2_20180210T234312_20180210T235235_C001	(Retracker 3), Backscatter Error	
Section State (1) and the control of	CS_OFFL_SIR_SIN_220180210T000102_20180210T000718_C001	SARIn X-track Angle Error	
See P. P. B. B. P. 2. 201802107103602 201802107103602 COID SARIO K. Read. Angle Error SARIO K. Read. Angle Error SARIO K. Read. Angle Error An antibuous angle was described for SARIO mode for or or more records CS. OFFL, SIR SIR 2. 20180210710400 20180210710480 COID SARIO K. Read. Angle Error An antibuous angle was described for SARIO mode for or or more An antibuous angle was described for SARIO mode for or or more An antibuous angle was described for SARIO mode for or or more An antibuous angle was described for SARIO mode for or or more An antibuous angle was described for SARIO mode for or or more An antibuous angle was described for SARIO mode for or or more CS. OFFL, SIR, SIR 2. 20180210702802 20180210702810, COID SARIO K. Read. Angle Error SARIO K. Read. Angle	CS_OFFL_SIR_SIN_220180210T000949_20180210T001013_C001	SARIn X-track Angle Error	
Model Unavailable	CS_OFFL_SIR_SIN_2_20180210T001438_20180210T001618_C001	SARIn X-track Angle Error	
Sept. 1, 1987, 2018/2017/01/03/20, 2018/2017/01/03/20, 2018/2017/01/03/20, 2018/2017/01/03/20, 2018/2017/01/03/20, 2018/2017/01/03/20, 2018/2017/01/03/20, 2018/2017/01/03/20, 2018/2017/01/03/20, 2018/2017/01/03/20, 2018/2017/01/03/20, 2018/2017/03/2018/2018/2018/2018/2018/2018/2018/2018	CS_OFFL_SIR_SIN_2_20180210T005552_20180210T005630_C001		
Schrift, Sies, Sies, 2, 2018021010103402, 20180210103515, 2001  Schrift, Xinaxi Angle Error  Schrift, X	CS_OFFL_SIR_SIN_220180210T010046_20180210T010255_C001	SARIn X-track Angle Error	
Sofert, Ser, Ser, 2. 20162011032022, 20162011032402, CO11  So, OFFL, Ser, Ser, 2. 20162011032022, 20162011032403, CO11  Sofert, Ser, Ser, 3. 2. 201620110320202, 20162011032403, CO11  Sofert, Ser, Ser, 3. 2. 201620110320202, 20162011032403, CO11  Sofert, Ser, Ser, 3. 2. 201620110732024, 20162011032404, CO11  Sofert, Ser, Ser, 3. 2. 201620110732024, 201620110042014, CO11  Sofert, Ser, Ser, 3. 2. 201620110762024, 201620110042014, CO11  Sofert, Ser, Ser, 3. 2. 201620110762024, 201620110042014, CO11  Sofert, Ser, Ser, 3. 2. 201620110762024, 201620110042024, CO11  Sofert, Ser, Ser, 3. 2. 201620110762024, 201620110042024, CO11  Sofert, Ser, Ser, 3. 2. 201620110062024, 201620110042025, CO11  Sofert, Ser, Ser, 3. 2. 201620110062025, 20162011006203, CO11  Sofert, Ser, Ser, 3. 2. 201620110062025, 20162011006200, CO11  Sofert, Ser, Ser, 3. 2. 2016201101062025, 201620110106200, CO11  Sofert, Ser, Ser, 3. 2. 2016201101062025, 201620110106200, CO11  Sofert, Ser, Ser, 3. 2. 2016201101062025, 201620110106200, CO11  Sofert, Ser, Ser, 3. 2. 2016201101062025, 201620110106204, CO11  Sofert, Ser, Ser, 3. 2. 2016201101062025, 201620110106204, CO11  Sofert, Ser, Ser, 3.	CS_OFFL_SIR_SIN_220180210T014326_20180210T014500_C001	SARIn X-track Angle Error	
Sc. OFFL_SIR_SIN_2_201802107002809_201802107032445_0001  SARIN X-rack Angle Error  SARIN X-rack	CS_OFFL_SIR_SIN_220180210T015353_20180210T015553_C001	SARIn X-track Angle Error	
S. CFEL_SIR_SIN_2_20180210703210_201	CS_OFFL_SIR_SIN_220180210T023959_20180210T024445_C001		An ambiguous angle was detected for SARIn mode and no DEM or Slope
S. OFFL_SIR_SIN_2_201802101703242_20180210703342_00180210703452_20180210703452_00183452_00180210703452_00183452_00180210703452	CS_OFFL_SIR_SIN_2_20180210T032302_20180210T032430_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
SARIN X-rank Angle Error records  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 records  S	CS_OFFL_SIR_SIN_220180210T032610_20180210T032716_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
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-tra	CS_OFFL_SIR_SIN_220180210T033142_20180210T033410_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
SAFIN X-track Angle Error Surface SAFIN X-track Angle Error Surface Model Unavailable Model Unavailable SAFIN X-track Angle Error Surface Model Unavailable Model Unavailable Model Unavailable Model Unavailable Model Unavailabl	CS_OFFL_SIR_SIN_2_20180210T050240_20180210T050631_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
SAFIIN X-frack Angle Error in Surface Model Usersailable in Control of SAFIIn mode and no DEM or Stope Model Usersailable in Model U	CS_OFFL_SIR_SIN_2_20180210T051220_20180210T051344_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 Angl	CS_OFFL_SIR_SIN_2_20180210T055304_20180210T055401_C001		An ambiguous angle was detected for SARIn mode and no DEM or Slope
SARIN X-track Angle Error SARIN M-track Angle Error SARIN X-track Angle Error SARIN M-track Angl	CS_OFFL_SIR_SIN_2_20180210T064224_20180210T064537_C001		An ambiguous angle was detected for SARIn mode for one or more
SARIN X-track Angle Error SARIN X-track X-track Angle Error SARIN X-track X-track Angle Error SARIN X-track X-track X-track Error SARIN X-track X-track Error SARIN X-track X-track X-track Error SARIN X-track	CS_OFFL_SIR_SIN_220180210T065051_20180210T065203_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
SARIN X-track Angle Error exceeds  An ambiguous angle was detected for SARin mode for one or more records  SARIN X-track Angle Error exceeds  An ambiguous angle was 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 mode for one or more records  An ambiguous angle was detected	CS_OFFL_SIR_SIN_220180210T081947_20180210T082409_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
SARIN X-track Angle Error	CS_OFFL_SIR_SIN_2_20180210T082953_20180210T083113_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 Angl	CS_OFFL_SIR_SIN_220180210T090919_20180210T091330_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	CS_OFFL_SIR_SIN_2_20180210T095748_20180210T095908_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	CS_OFFL_SIR_SIN_2_20180210T100727_20180210T100914_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
SARIN X-track Angle Error  S_OFFL_SIR_SIN_2_20180210T104932_20180210T105234_C001  SARIN X-track Angle Error  S_OFFL_SIR_SIN_2_20180210T113653_20180210T113835_C001  SARIN X-track Angle Error  S_OFFL_SIR_SIN_2_20180210T114405_20180210T114411_C001  SARIN X-track Angle Error  S_OFFL_SIR_SIN_2_20180210T114405_20180210T114411_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  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	CS_OFFL_SIR_SIN_2_20180210T104556_20180210T104722_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
SARIN X-track Angle Error ecords An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode and no DEM or Slope Model Unavailable An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode f	CS_OFFL_SIR_SIN_220180210T104839_20180210T104942_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	CS_OFFL_SIR_SIN_2_20180210T105133_20180210T105234_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
SARIn X-track Angle Error  CS_OFFL_SIR_SIN_2_20180210T114533_20180210T114758_C001  SARIn X-track Angle Error  SARIn X-track Angle Error  SARIn X-track Angle Error  SARIn X-track Angle Error  SARIn X-track Angle Error, Surface Model Unavailable  SARIn X-track Angle Error, Surface Model Was used for one or more records  SARIn X-track Angle Error, Surface Model was used for one or more records  SARIn X-track Angle Error, Surface Model was used for one or more records  SARIn X-track Angle Error, Surface Model was used for one or more records  SARIn X-track Angle Error, Surface Model 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  An ambiguous angle was 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 fo	CS_OFFL_SIR_SIN_220180210T113653_20180210T113835_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180210T114533_20180210T112552_0010  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 detec		SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180210T122552_20180210T122850_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  An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records  An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records  An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one 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 recor		SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180210T122927_20180210T123138_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			An ambiguous angle was detected for SARIn mode and no DEM or Slope
CS_OFFL_SIR_SIN_2_20180210T131538_20180210T132309_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_20180210T132303_20180210T132309_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
CS_OFFL_SIR_SIN_2_20180210T132318_20180210T132325_C001  SARIN X-track Angle Error  SARIN X-track Angle Error, Surface Model Unavailable  CS_OFFL_SIR_SIN_2_20180210T145556_20180210T145828_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
CS_OFFL_SIR_SIN_2_20180210T132435_20180210T132858_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 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  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  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  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
CS_OFFL_SIR_SIN_2_20180210T141513_20180210T141547_C001  SARIn X-track Angle Error, Surface Model Unavailable  SARIn X-track Angle Error, Surface Model Was used for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one 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_20180210T145556_20180210T145828_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180210T150200_20180210T150207_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180210T150217_20180210T150223_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180210T150549_20180210T150732_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180210T150549_20180210T150732_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		SARIn X-track Angle Error, Surface	An ambiguous angle was detected for SARIn mode and no DEM or Slope
CS_OFFL_SIR_SIN_2_20180210T150200_20180210T150207_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180210T150217_20180210T150223_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_20180210T150217_20180210T150223_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180210T150549_20180210T150732_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180210T163448_20180210T163616_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 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_20180210T150549_20180210T150732_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			An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180210T163448_20180210T163616_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			An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180210T164114_20180210T164121_C001 SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more			An ambiguous angle was detected for SARIn mode for one or more
records		-	An ambiguous angle was detected for SARIn mode for one or more
	5oozarooz lot 104   14_z01002   01   104   21_0001	-/ a an / Cadok/ angle Enter	records

CS_OFFL_SIR_SIN_2_20180210T164449_20180210T164627_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20180210T173333_20180210T173356_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_220180210T181456_20180210T181614_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180210T182145_20180210T182502_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180210T191258_20180210T191346_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_220180210T195418_20180210T195533_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180210T200042_20180210T200355_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180210T213514_20180210T213750_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180210T213945_20180210T214522_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180210T223034_20180210T223540_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180210T231359_20180210T231651_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180210T231856_20180210T231954_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180210T232357_20180210T232534_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	169	169	169	0	0
SIR_LRM_2	166	166	166	0	0
SIR_LRMI2_	166	166	166	0	0
SIR_SAR_1B	115	115	115	0	0
SIR_SAR_2	115	115	115	0	0
SIR_SARI2_	115	115	115	0	0
SIR_SIN_1B	105	105	105	0	0
SIR_SIN_2	105	105	105	0	0
SIR_SINI2	105	105	105	0	0
SIR_GDR_2	14	14	14	0	0

# 6.1 QCC Errors

Number of products with QCC errors:

# 6.2 QCC Warnings

Number of QCC reports with warnings

0

0

# 6.2 Missing QCC Reports

Number of products with missing QCC reports:

104