



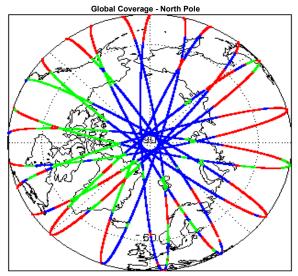
# 1. Overview

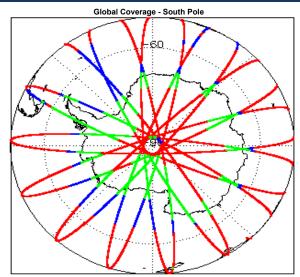
Report Production Date:	16-Feb-2018	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1B and L2 OFFLINE Data	

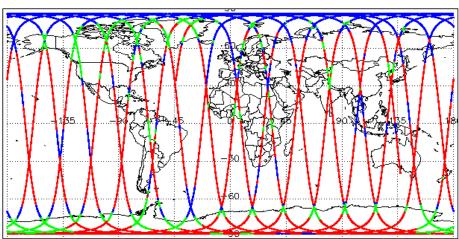
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2 and 5.2
Star Tracker Usage Check	Nominal
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary Data File Usage Check	Nominal
L1B & L2 Auxiliary Correction Error Check	Nominal
L1B & L2 Measurement Confidence Data Check	See Section 4.7 and 5.5

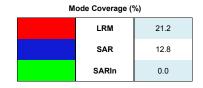
Missio	n / Instru	ment News
19-Ja	an-2018	None
20-Ja	an-2018	None
21-Ja	an-2018	Nothing planned

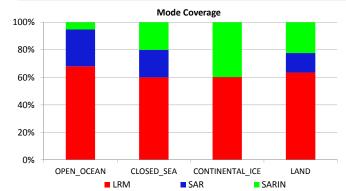
# 2. Global Coverage

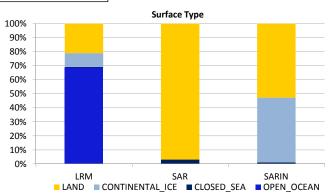












# 3. Instrument Configuration

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

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

### 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:

Product	Test Failed
CS_OFFL_SIR_SAR_1B_20180120T233315_20180120T233316_C001	Percentage of processing errors detected greater than minimum acceptable threshold.

#### 4.3 Star Tracker Usage Check

Each product is checked in order to ensure a valid star tracker file has been used in processing

Number of products with errors:

### 4.4 L1B Calibration Usage Check

Each product is checked in order to ensure that the necessary calibration files have been used in processing

Number of products with errors:

### 4.5 L1B Auxilary Data File Usage Check

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

Number of products with errors:

### 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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20180120T010333_20180120T011037_C001	IECDO EFFOR LEK ECDO EFFOR	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:

Product	Test Failed
CS_OFFL_SIR_SAR_220180120T233315_20180120T233316_C001	Percentage of processing errors detected greater than minimum acceptable threshold.

### 5.3 L2 Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-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: 111		
Product	Test Failed Height Error (Retracker 2), Height Error	Description
CS_OFFL_SIR_LRM_220180119T235216_20180120T000811_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_220180120T001014_20180120T002039_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_220180120T004625_20180120T005852_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_220180120T012223_20180120T012507_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180120T013158_20180120T014637_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_220180120T014817_20180120T015059_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_220180120T022509_20180120T023057_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_220180120T023341_20180120T025747_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_220180120T030019_20180120T030858_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180120T031121_20180120T033622_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_220180120T034629_20180120T034712_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_220180120T040816_20180120T043611_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_220180120T045000_20180120T051637_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_20180120T054331_20180120T055847_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_220180120T060420_20180120T061517_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_220180120T062914_20180120T063515_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_220180120T063927_20180120T064558_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_220180120T070635_20180120T070721_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_220180120T072023_20180120T075458_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_220180120T080800_20180120T081051_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_220180120T081120_20180120T082709_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_220180120T084316_20180120T084352_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_220180120T085939_20180120T090857_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_220180120T091057_20180120T092735_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_220180120T092746_20180120T093333_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_220180120T094711_20180120T100918_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_220180120T101435_20180120T102336_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_220180120T104135_20180120T111301_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_220180120T112008_20180120T112227_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180120T113055_20180120T114320_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_220180120T114429_20180120T120119_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_220180120T122303_20180120T123419_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_220180120T123623_20180120T125147_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_20180120T130736_20180120T132007_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_220180120T132447_20180120T133626_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
CS_OFFL_SIR_LRM_220180120T143838_20180120T143953_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180120T144413_20180120T151118_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_220180120T154453_20180120T161040_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_20180120T161736_20180120T162102_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20180120T162326_20180120T163532_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_20180120T164102_20180120T165054_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_220180120T172326_20180120T174951_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_220180120T175635_20180120T180004_C001	Surface Model Unavailable  Height Error (Retracker 2), Backscatter	No DEM or Slope Model was used for the location of one or more records

Control   Cont		lu : 1.5 (D. 1.6) D. 1. (	
G. OFFE, SER, LEG. 2. 2010 0277 03102, 2010 0277 03102, 0210 0277 03102, 0	CS_OFFL_SIR_LRM_220180120T182004_20180120T183802_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
Section   Company   Comp	CS_OFFL_SIR_LRM_220180120T185052_20180120T185223_C001		ŭ
1. Comp. ps.	CS_OFFL_SIR_LRM_220180120T192641_20180120T192931_C001		-
Court   Security 2   20060127713402   2007012710200   200701271044	CS_OFFL_SIR_LRM_220180120T193132_20180120T193658_C001	,	
Section   Sect	CS_OFFL_SIR_LRM_220180120T194251_20180120T200458_C001		
Page	CS_OFFL_SIR_LRM_2_20180120T200744_20180120T201638_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
Computer		Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
Co. OFT.   Bits.   2011-10100701488-2 print/01011148-3 print/0101148-3 print/0101148-		Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
Supplemental State		Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
Seg. CFFL. Bill. 1 May 2_motionization 2_motionization 2 motionization 2 motio		,	
So, OHE, SHI, LEWIZ _201912/2172009, 201912/2172009 (cell)  Solden Model (cell)  Solden Solde	55_6112_68(_E148_E_251601261211000_E51601261211000_6501		
So OFE, SEL (1997) 2. 2016/00/2012/2016/2016	CS_OFFL_SIR_LRM_220180120T212159_20180120T215449_C001	(Retracker 2)	for Retracker 3 for one or more records
CS_OFT_SR_LEM_2_20180107120142_20180107120149_C010  SS_OFT_SR_LEM_2_20180107120140_20180107120140_C010  SAMPA NEWS AND PERFORMANCE 2. Considerable and the Felly Emrit (Researche 2.) Considerable and the Felly Emrit (Resear	CS_OFFL_SIR_LRM_220180120T222036_20180120T224332_C001		
For CPFL, SIR, SIR, 2, 2018/2017/01/2012, 2019/2017/01/2012, COVID- SAFIN, X-RAMA Angle Error  Assisting X-Rama Angle Error  A	CS_OFFL_SIR_LRM_220180120T225307_20180120T225459_C001		·
So, CPFL, SIR, SIR, 2, 21601270701282 2016127070142 2016 2016128 20161	CS_OFFL_SIR_LRM_220180120T230142_20180120T231919_C001	• • • • • • • • • • • • • • • • • • • •	•
Specific Specific Control (1994) 2, 2018 (1997) 2018 (1997) 1797 (1222, 2001)  Specific Speci	CS_OFFL_SIR_LRM_220180120T232400_20180120T233235_C001		
Se, CPFL_SRIS_NL_2_201601207101262_2016012071201332_0001 SARIA Kritask Angle Error CR. CPFL_SRIS_NL_2_201601207101262_201601207101332_0001 SARIA Kritask Angle Error CR. CPFL_SRIS_NL_2_201601207101262_201601207101332_0001 SARIA Kritask Angle Error CR. CPFL_SRIS_NL_2_201601207101262_201601207101308_20101 SARIA Kritask Angle Error CR. CPFL_SRIS_NL_2_201601207101262_201601207101260_0001 SARIA Kritask Angle Error CR. CPFL_SRIS_NL_2_201601207101262_201601207101260_0001 SARIA Kritask Angle Error CR. CPFL_SRIS_NL_2_201601207101262_201601207101260_0001 SARIA Kritask Angle Error CR. CPFL_SRIS_NL_2_20160120710362_201601207101008_2001 SARIA Kritask Angle Error CR. CPFL_SRIS_NL_2_201601207103632_20160120710308_2001 SARIA Kritask Angle Error CR. CPFL_SRIS_NL_2_201601207103632_20160120710308_2001 SARIA Kritask Angle Error CR. CPFL_SRIS_NL_2_20160120703631_20160120710308_2001 SARIA Kritask Angle Error CR. CPFL_SRIS_NL_2_20160120703631_20160120710308_2001 SARIA Kritask Angle Error CR. CPFL_SRIS_NL_2_20160120703631_20160120710369_2001 SARIA Kritask Angle Error CR. CPFL_SRIS_NL_2_20160120703632_20160120710369_2001 SARIA Kritask Angle Error CR. CPFL_SRIS_NL_2_20160120703632_2016012070369_2001 SARIA Kritask Angle Error CR. CPFL_SRIS_NL_2_2016012070364_	CS_OFFL_SIR_SIN_220180120T003625_20180120T003741_C001	SARIn X-track Angle Error	
SAPIN X-back Angle Error  SAPIN X-back Angle	CS_OFFL_SIR_SIN_220180120T003947_20180120T004229_C001	SARIn X-track Angle Error	· · ·
SO, OFFL_SR_SNL20100120701253_20100120701333_0010  SARIN X-track Angle Error  An arrhignous angle was detected for SARIn mode for one or more necessary and state of the SARIn mode for one or more necessary and state of the SARIN mode for one or more necessary an	CS_OFFL_SIR_SIN_220180120T011616_20180120T012223_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
S. OFFL_SIR_SIN_2_20180120701535_20180120702180_C001  SARIN X-reak Angle Error  An ambiquous angle was detected for SARIn mode for one or more records.  SARIN X-reak Angle Error  SARIN X-reak Angle Error  An ambiquous angle was detected for SARIn mode for one or more records.  SARIN X-reak Angle Error	CS_OFFL_SIR_SIN_220180120T012507_20180120T012523_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_20180120T012952_20180120T013133_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 control.  SARIN X-track Angle Error.  SARIN X-track	CS_OFFL_SIR_SIN_2_20180120T021553_20180120T021809_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
SAPIN X-track Angle Error	CS_OFFL_SIR_SIN_220180120T021857_20180120T022125_C001		An ambiguous angle was detected for SARIn mode and no DEM or Slope
SAPIN X-track Angle Error convoirs  SAPIN X-track Angle Error Surface Model Unavailable Convoirs  SAPIN X-track Angle Error Convoirs  SAPIN X-			An ambiguous angle was detected for SARIn mode for one or more
SAPIN X-frack Angle Error (Surface Model Wassealborn as more records and an DEM or Slope Model was used for one or more records and an DEM or Slope Model was used for one or more records and an DEM or Slope Model was used for one or more records and an		-	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180120T043913_20180120T044233_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 was detected for SARIn mode for one or more records. An ambiguous angle was detected for SARIn mode for one or more records. An ambiguous angle was detected for SARIn mode for one or more records. An ambiguous angle was detected for SARIn mode for one or more records. An ambiguous angle was detected for SARIn mode for one or more records. An ambiguous angle was detected for SARIn mode for one or more records. An ambiguous angle was detected for SARIn mode for one or more records. An ambiguous angle was detected for SARIn mode for one or more records. An ambiguous angle was detected for SARIn mode for one or more records. An ambiguous angle was detected for SARIn mode for one or more records. An ambiguous angle was detected for SARIn mode for one or more records. An ambiguous angle was detected for SARIn mode for one or more records. An ambiguous angle was detected for SARIn mode for one or more records. An ambiguous angle was detected for SARIn mode for one or more records. An ambiguous angle was detected for SARIn mode for one or more records. An ambiguous angle was detected for SARIn mode for one or more records. An ambiguous angle was detected for SARIn mode for one or more records. An ambiguous angle was detected for SARIn mode for one or more records. An ambiguous angle w		SARIn X-track Angle Error, Surface	An ambiguous angle was detected for SARIn mode and no DEM or Slope
SAPIN X-track Angle Error  SARIN X-track Angle Error  An ambiguous angle was delected for SARIn mode for one or more records  SARIN X-track Angle Error  An ambiguous angle was delected for SARIn mode for one or more records  SARIN X-track Angle Error  An ambiguous angle was delected for SARIn mode for one or more records  SARIN X-track Angle Error  An ambiguous angle was delected for SARIn mode for one or more records  SARIN X-track Angle Error  An ambiguous angle was delected for SARIn mode for one or more records  SARIN X-track Angle Error  An ambiguous angle was delected for SARIn mode for one or more records  SARIN X-track Angle Error  An ambiguous angle was delected for SARIn mode f			
S. OFFL_SIR_SIN_2_20180120T044653_20180120T04493_C0001  SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more executed by the state of the			
S. OFFL_SIR_SIN_2_20180120T061757_20180120T062446_C001  SARIN X-track Angle Error  SARIN X-track Angle		-	
SARIN X-track Angle Error Anabitiquous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabitiquous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabitiquous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabitiquous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabitiquous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabitiquous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabitiquous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabitiquous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabitiquous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabitiquous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabitiquous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabitiquous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabitiquous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabitiquous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabitiquous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabitiquous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabitiquous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error Anabitiquous angle was detected for SARIn mode for one or more records  An annibiguous angle was detected for SARIn mode for one or more records  An annibiguous angle was detected for SARIn mode for one or more records  An annibiguous angle was detected for SARIn mode for one or more records  An annibiguous angle was detected for SARIn mode for one or		-	
SARIN Artack 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 o		-	records
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	CS_OFFL_SIR_SIN_220180120T062732_20180120T062852_C001	•	records
SARIN X-track Angle Error  SARIN X-track Angle E	CS_OFFL_SIR_SIN_220180120T070825_20180120T070910_C001		Model was used for one or more records
SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180120T093453_20180120T1093908_CO01  SARIN X-track Angle Error  SARIN X-track Angl	CS_OFFL_SIR_SIN_220180120T075736_20180120T080051_C001	SARIn X-track Angle Error	records
SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180120T102418_20180120T102650_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180120T102418_20180120T102650_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180120T102719_20180120T1102841_C001  SARIN X-track Angle Error  SARIN X-track	CS_OFFL_SIR_SIN_220180120T080603_20180120T080721_C001	SARIn X-track Angle Error	records
SARIN X-track Angle Error records  SARIN X-track Angle Error annibiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error annibiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error annibiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error annibiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error annibiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error annibiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error annibiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error annibiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error annibiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or	CS_OFFL_SIR_SIN_220180120T093453_20180120T093908_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20180120T102719_20180120T102841_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180120T111301_20180120T111425_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180120T112227_20180120T111421_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180120T112227_20180120T112412_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180120T120119_20180120T120539_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180120T120641_20180120T120539_C001  SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more	CS_OFFL_SIR_SIN_2_20180120T094509_20180120T094622_C001	SARIn X-track Angle Error	
SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180120T10279_20180120T112425_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180120T112227_20180120T112412_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180120T112227_20180120T112412_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20180120T120641_20180120T120749_C001  SARIN X-track Angle Error  An ambiguous angle was detected for SARIN mode for one or more recor	CS_OFFL_SIR_SIN_2_20180120T102418_20180120T102650_C001	SARIn X-track Angle Error	
CS_OFFL_SIR_SIN_2_20180120T11222T_20180120T112412_C001  CS_OFFL_SIR_SIN_2_20180120T120119_20180120T120539_C001  CS_OFFL_SIR_SIN_2_20180120T120641_20180120T120539_C001  CS_OFFL_SIR_SIN_2_20180120T120641_20180120T120749_C001  CS_OFFL_SIR_SIN_2_20180120T125209_20180120T125352_C001  CS_OFFL_SIR_SIN_2_20180120T125209_20180120T125352_C001  CS_OFFL_SIR_SIN_2_20180120T125209_20180120T125352_C001  CS_OFFL_SIR_SIN_2_20180120T125918_20180120T125924_C001  CS_OFFL_SIR_SIN_2_20180120T125918_20180120T125924_C001  CS_OFFL_SIR_SIN_2_20180120T130044_20180120T130316_C001  CS_OFFL_SIR_SIN_2_20180120T130534_20180120T130701_C001  CS_OFFL_SIR_SIN_2_20180120T130534_20180120T130701_C001  CS_OFFL_SIR_SIN_2_20180120T134121_20180120T134646_C001  CS_OFFL_SIR_SIN_2_20180120T134121_20180120T134646_C001  CS_OFFL_SIR_SIN_2_20180120T134110_20180120T134846_C001  CS_OFFL_SIR_SIN_2_20180120T143110_20180120T143832_C001  CS_OFFL_SIR_SIN_2_20180120T143832_20180120T143838_C001  CS_OFFL_SIR_SIN_2_20180120T143953_20180120T1443838_C001  CS_OFFL_SIR_SIN_2_20180120T143953_20180120T144384_C001  SARIn X-track Angle Error, Surface Model Unavailable  Model Was used for one or more records  An ambiguous angle was detected for SARIn mode and no DEM or Slope Model Unavailable  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	CS_OFFL_SIR_SIN_220180120T102719_20180120T102841_C001	SARIn X-track Angle Error	
CS_OFFL_SIR_SIN_2_20180120T12227_20180120T120539_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 o	CS_OFFL_SIR_SIN_220180120T111301_20180120T111425_C001	SARIn X-track Angle Error	
CS_OFFL_SIR_SIN_2_20180120T120539_C001  CS_OFFL_SIR_SIN_2_20180120T125209_20180120T125352_C001  CS_OFFL_SIR_SIN_2_20180120T125294_C001  CS_OFFL_SIR_SIN_2_20180120T125918_20180120T125924_C001  CS_OFFL_SIR_SIN_2_20180120T135918_20180120T125924_C001  CS_OFFL_SIR_SIN_2_20180120T130044_20180120T130316_C001  CS_OFFL_SIR_SIN_2_20180120T1300534_20180120T130701_C001  CS_OFFL_SIR_SIN_2_20180120T130534_20180120T130701_C001  CS_OFFL_SIR_SIN_2_20180120T130534_20180120T130701_C001  CS_OFFL_SIR_SIN_2_20180120T134121_20180120T134646_C001  CS_OFFL_SIR_SIN_2_20180120T134121_20180120T134646_C001  CS_OFFL_SIR_SIN_2_20180120T143110_20180120T134323_C001  CS_OFFL_SIR_SIN_2_20180120T143817_20180120T143822_C001  CS_OFFL_SIR_SIN_2_20180120T143817_20180120T143822_C001  CS_OFFL_SIR_SIN_2_20180120T143817_20180120T143838_C001  CS_OFFL_SIR_SIN_2_20180120T143853_20180120T143838_C001  CS_OFFL_SIR_SIN_2_20180120T143853_20180120T144324_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  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 re	CS_OFFL_SIR_SIN_220180120T112227_20180120T112412_C001	SARIn X-track Angle Error	
CS_OFFL_SIR_SIN_2_20180120T120641_20180120T125352_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 r	CS_OFFL_SIR_SIN_220180120T120119_20180120T120539_C001	SARIn X-track Angle Error	
CS_OFFL_SIR_SIN_2_20180120T125209_20180120T125352_C001  SARIn X-track Angle Error  SARIn X-track Angle	CS_OFFL_SIR_SIN_220180120T120641_20180120T120749_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180120T125918_20180120T125924_C001  SARIN X-track Angle Error  SARIN X-track Angle Error, Surface Model Unavailable  SARIN X-track Angle Error  An ambiguous angle was detected for SARIN mode for one or more records  An ambiguous angle was detected for SARIN mode for one or more records  An ambiguous angle was detected for SARIN mode for one or more records	CS_OFFL_SIR_SIN_220180120T125209_20180120T125352_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180120T130044_20180120T130316_C001  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, Surface Model was used 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, Surface Model was used for one or more records  CS_OFFL_SIR_SIN_2_20180120T143110_20180120T143323_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 and no DEM or Stope  An ambiguous angle was detected for SARIN mode and no DEM or Stope  An ambiguous angle was detected for SARIN mode for one or more records	CS_OFFL_SIR_SIN_220180120T125918_20180120T125924_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180120T130534_20180120T130701_C001  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 Stone  An ambiguous angle was detected for SARIN mode and no DEM or Stone  An ambiguous angle was detected for SARIN mode and no DEM or Stone  An ambiguous angle was detected for SARIN mode and no DEM or Stone  An ambiguous angle was detected for SARIN mo	CS_OFFL_SIR_SIN_220180120T130044_20180120T130316_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180120T134121_20180120T134646_C001  CS_OFFL_SIR_SIN_2_20180120T143110_20180120T143323_C001  CS_OFFL_SIR_SIN_2_20180120T143110_20180120T143323_C001  CS_OFFL_SIR_SIN_2_20180120T143817_20180120T143822_C001  CS_OFFL_SIR_SIN_2_20180120T143832_20180120T143838_C001  CS_OFFL_SIR_SIN_2_20180120T143832_20180120T143838_C001  CS_OFFL_SIR_SIN_2_20180120T143832_20180120T143838_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 records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one 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
CS_OFFL_SIR_SIN_2_20180120T143110_20180120T143323_C001  SARIn X-track Angle Error		SARIn X-track Angle Error, Surface	An ambiguous angle was detected for SARIn mode and no DEM or Slope
CS_OFFL_SIR_SIN_2_20180120T143817_20180120T143822_C001  SARIn X-track Angle Error			An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180120T143832_20180120T143838_C001  CS_OFFL_SIR_SIN_2_20180120T143832_20180120T143838_C001  SARIN X-track Angle Error		-	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180120T143853_20180120T144324_C001  SARIN A-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 and no DEM or Stone and no DEM or St			records
SARIN X-track Angle Error records  SARIN X-track Angle Error Surface  An ambiguous angle was detected for SARIn mode and no DEM or Slope		-	records
1 S. LIBET STD. STD. 7. 2013/01/2013/01/10/10/10/10/10/10/10/10/10/10/10/10/		•	records
CS_OFFL_SIR_SIN_2_201801201153014_201801201153053_C001  Model Unavailable  Model was used for one or more records	CS_OFFL_SIR_SIN_220180120T153014_20180120T153053_C001	S .	

CS_OFFL_SIR_SIN_2_20180120T161102_20180120T161330_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180120T161714_20180120T161720_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180120T162102_20180120T162244_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180120T171045_20180120T171106_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_220180120T175012_20180120T175135_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180120T175628_20180120T175634_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180120T180004_20180120T180146_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180120T193009_20180120T193131_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180120T193658_20180120T194011_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180120T202811_20180120T202918_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_220180120T210941_20180120T211055_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180120T211555_20180120T211915_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180120T225031_20180120T225307_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180120T225500_20180120T230125_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180120T234542_20180120T234702_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180120T234949_20180120T235103_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	126	126	126	0	0
SIR_SAR_2	126	126	126	0	0
SIR_SARI2_	126	126	126	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:

195