



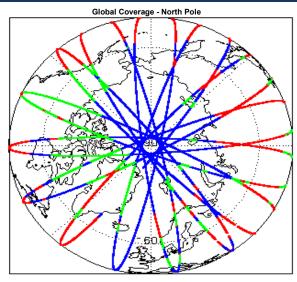
1. Overview

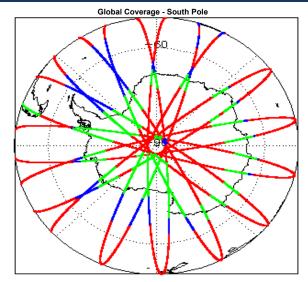
Report Production Date:	21-Mar-2017	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1B and L2 OFFLINE Data	

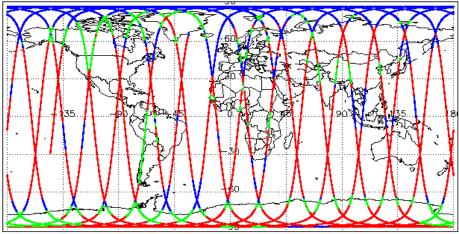
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	Nominal
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary Data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

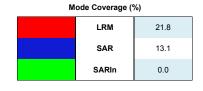
N	Mission / Instrument News				
	02-Feb-2017	None			
	03-Feb-2017	None			
	04-Feb-2017	Nothing planned			

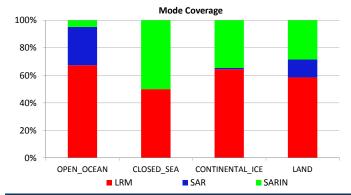
2. Global Coverage

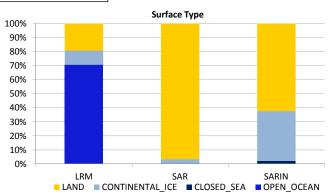












3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A
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4. Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

4.2 L1B Product Header Analysis

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

Number of products with errors:

Product	Test Failed
CS_OFFL_SIR_SAR_1B_20170203T000356_20170203T000356_C001	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OFFL_SIR_SAR_1B_20170203T114453_20170203T114454_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_20170203T210505_20170203T213013_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

5. Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

5.5 L2 Measurement Quality Flag Check

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

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

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

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

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

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

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

Number of products with errors:

100

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220170202T235603_20170203T000028_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_20170203T001209_20170203T001258_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_220170203T002533_20170203T010027_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_220170203T014859_20170203T015130_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_220170203T020535_20170203T021422_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_220170203T021708_20170203T023910_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_220170203T025243_20170203T030543_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_220170203T030731_20170203T031448_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_220170203T031533_20170203T032005_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_220170203T032913_20170203T032932_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_220170203T034554_20170203T041821_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_220170203T043621_20170203T044852_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_220170203T044900_20170203T050632_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_220170203T052739_20170203T053939_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_220170203T054143_20170203T055730_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_220170203T061332_20170203T062358_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_220170203T063017_20170203T064112_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_220170203T072141_20170203T073614_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220170203T074957_20170203T082351_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_220170203T085140_20170203T091616_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_220170203T092858_20170203T095809_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_220170203T102930_20170203T103120_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_220170203T103123_20170203T105515_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_220170203T110204_20170203T110532_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220170203T112545_20170203T114321_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20170203T120852_20170203T121548_C001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220170203T124830_20170203T132146_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_220170203T134645_20170203T134832_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_220170203T135458_20170203T141409_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_220170203T141615_20170203T142124_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220170203T142702_20170203T150122_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_220170203T152600_20170203T153021_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_220170203T153116_20170203T154855_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_220170203T160732_20170203T162449_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_220170203T165631_20170203T171417_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_220170203T171542_20170203T172939_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_220170203T174623_20170203T180157_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_220170203T180359_20170203T181322_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_20170203T184127_20170203T185221_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_220170203T190825_20170203T191219_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_220170203T191541_20170203T192341_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220170203T192606_20170203T194104_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_220170203T201755_20170203T205142_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_220170203T205415_20170203T205624_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records

Description 19			
60, GFF, 8R 194. 2 STREETSTORES, 2017/2017/2019/2019/2019/2019/2019/2019/2019/2019	CS_OFFL_SIR_LRM_220170203T205650_20170203T210227_C001		No DEM or Slope Model was used for the location of one or more records
Section 1.	CS_OFFL_SIR_LRM_220170203T210505_20170203T213013_C001	(Retracker 3), Backscatter Error	
BOUTH_DIST_1001_2_PRINCETTOMOS_	CS_OFFL_SIR_LRM_220170203T220147_20170203T220403_C001		
Page	CS_OFFL_SIR_LRM_220170203T220406_20170203T221322_C001	Height Error (Retracker 2), Backscatter	
Comparing Comp	CS_OFFL_SIR_LRM_220170203T221859_20170203T222943_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more
Section Comparison Compar	CS_OFFL_SIR_LRM_220170203T224405_20170203T231125_C001	(Retracker 3), Backscatter Error	
Comparing and	CS_OFFL_SIR_LRM_220170203T233603_20170204T000901_C001		· ·
Mode threatable Mode t	CS_OFFL_SIR_SIN_220170203T001352_20170203T001414_C001	<u> </u>	
Series (1981 Serie	CS_OFFL_SIR_SIN_2_20170203T001419_20170203T001445_C001		
Sec. OFFL. Silk St. 2201702007000020 2017020070000050 COOL Sec. OFFL. Silk St. 2201702007000002 C017020070000050 COOL Sec. OFFL. Silk St. 2201702007000000 COOL Sec. OFFL. Silk St. 22017020070000000 COOL Sec. OFFL. Silk St. 2201702007000000 COOL Sec. OFFL. Silk St. 22017020070000000 COOL Sec. OFFL. Silk St. 220170200700000000 COOL Sec. OFFL. Silk St. 22017020070000000 COOL Sec. OFFL. Silk St. 220170200700000000 COOL Sec. OFFL. Silk St. 22017020070000000 COOL Sec. OFFL. Silk St. 220170200700000000 COOL Sec. OFFL. Silk St. 220170200700000000 COOL Sec. OFFL. Silk St. 2201702007000000000 COOL Sec. OFFL. Silk St. 2201702007000000000 COOL Sec. OFFL. Silk St. 22017020071000000 COOL Sec. OFFL	CS_OFFL_SIR_SIN_2_20170203T010306_20170203T010619_C001	SARIn X-track Angle Error	
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Soon-Market Angle Error Son PFL_SIR_SIR_2_201700037100912_0011401_0001 Solin Artista Angle Error So	CS_OFFL_SIR_SIN_220170203T024042_20170203T024458_C001	SARIn X-track Angle Error	
Sept. Bill. Str. 2. 2017/0031760452 2017/2020704520 CODI SARIO KIRSAN Angle Entry An antibipous anyle was develed for SARIO mode for one or more increase. SEC. OFF. Bill. Str. 2. 2017/0031760452 2017/2020704520 CODI SARIO KIRSAN Angle Entry An antibipous anyle was develed for SARIO mode for one or more increase. SEC. OFF. Bill. Str. 2. 2017/0031760452 2017/20207052515 CODI SARIO KIRSAN Angle Entry An antibipous anyle was develed for SARIO mode for one or more increase. SEC. OFF. Bill. Str. 2. 2017/0031760452 2017/20207052515 CODI SARIO KIRSAN Angle Entry An antibipous anyle was develed for SARIO mode for one or more increase. SEC. OFF. Bill. Str. 2. 2017/0031760452 2017/20207052515 CODI SARIO KIRSAN Angle Entry An antibipous anyle was develed for SARIO mode for one or more increase. SEC. OFF. Bill. Str. 2. 2017/0031760452 2017/2020705251 CODI SARIO KIRSAN Angle Entry An antibipous anyle was develed for SARIO mode for one or more increase. SEC. OFF. Bill. Str. 2. 2017/0031760452 2017/20207070352 CODI SARIO KIRSAN Angle Entry An antibipous anyle was develed for SARIO mode for ore or more increase. SEC. OFF. Bill. Str. 2. 2017/003176416 2017/20207070352 CODI SARIO KIRSAN Angle Entry An antibipous anyle was develed for SARIO mode for ore or more increase. SEC. OFF. Bill. Str. 2. 2017/003176416 2017/20207070352 CODI SARIO KIRSAN Angle Entry An antibipous anyle was develed for SARIO mode for ore or more increase. SEC. OFF. Bill. Str. 2. 2017/003176416 2017/20207070352 CODI SARIO KIRSAN Angle Entry An antibipous anyle was develed for SARIO mode for ore or more increase. SEC. OFF. Bill. Str. 2. 2017/003176416 2017/20207070352 CODI SARIO KIRSAN Angle Entry An antibipous anyle was develed for SARIO mode for ore or more increase. SEC. OFF. Bill. Str. 2. 2017/003176652 A017/20207070351 CODI SARIO KIRSAN Angle Entry An antibipous anyle was develed for SARIO mode for ore or more increase. SEC. OFF. Bill. Str. 2. 2017/003176652 A017/20207176560 CODI SARIO KIRSAN Angle Entry An antibipous	CS_OFFL_SIR_SIN_2_20170203T025036_20170203T025200_C001	SARIn X-track Angle Error	
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SOUTH_SIL_SIL_2.01702007561918_201702037109595 C001 SARIA AreaA Angle Error SA	CS_OFFL_SIR_SIN_2_20170203T041829_20170203T041957_C001	SARIn X-track Angle Error	
S. OFFL, SR, SNL _ 20170200700418, 20170203710498, C001 SARIN X-roox Angle Error An ambiguous angle was detected for SARin mode for one or more mode, and ambiguous angle was detected for SARin mode for one or more mode, and ambiguous angle was detected for SARin mode for one or more mode, and ambiguous angle was detected for SARin mode for one or more mode, and ambiguous angle was detected for SARin mode for one or more mode. So, OFFL, SR, SNL _ 201702007004018, 201702037100495, C001 SARIN X-roox Angle Error SARIN X-roox Angle Error SARIN X-roox Angle Error SARIN X-roox Angle Error An ambiguous angle was detected for SARin mode for one or more mode. An ambiguous angle was detected for SARin mode and no DEM or Sixya Model through the second transport of the	CS_OFFL_SIR_SIN_220170203T042819_20170203T043004_C001	SARIn X-track Angle Error	
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SARIN X-track Angle Error SARIN X-track Angle E	CS_OFFL_SIR_SIN_2_20170203T055733_20170203T055915_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_220170203T060448_20170203T060455_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
SO FFE_SIR_SIN_2_2017003704501_2017023708522_2017003708505_CO11 SARIN X-rack Angle Error. SARIN X-ra	CS_OFFL_SIR_SIN_220170203T060618_20170203T060839_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
SAPIN X-frack Angle Error SAPIN X-frack Angle E	CS_OFFL_SIR_SIN_220170203T065011_20170203T065222_C001		An ambiguous angle was detected for SARIn mode and no DEM or Slope
SARIN X-track Angle Error SARIN X-track Angle E	CS_OFFL_SIR_SIN_2_20170203T073628_20170203T073831_C001		An ambiguous angle was detected for SARIn mode for one or more
S. OFFL_SIR_SIN_2_20170203T0936902_20170203T093919_C001 S. RARIN X-track Angle Error S. OFFL_SIR_SIN_2_20170203T09244_20170203T092818_C001 S. RARIN X-track Angle Error S. OFFL_SIR_SIN_2_20170203T09284_20170203T092818_C001 S. RARIN X-track Angle Error S. OFFL_SIR_SIN_2_20170203T09284_20170203T092818_C001 S. RARIN X-track Angle Error S. OFFL_SIR_SIN_2_20170203T09284_20170203T109286_C001 S. RARIN X-track Angle Error S. OFFL_SIR_SIN_2_20170203T10933_20170203T109566_C001 S. RARIN X-track Angle Error S. OFFL_SIR_SIN_2_20170203T112333_20170203T112684_C001 S. RARIN X-track Angle Error S. OFFL_SIR_SIN_2_20170203T123334_20170203T112684_C001 S. OFFL_SIR_SIN_2_20170203T123340_C010 S. OFFL_SIR_SIN_2_20170203T123440_C001 S. OFFL_SIR_SIN_2_20170203T124124_20170203T124240_C001 S. OFFL_SIR_SIN_2_20170203T124124_20170203T124240_C001 S. OFFL_SIR_SIN_2_20170203T1241405_20170203T124240_C001 S. OFFL_SIR_SIN_2_20170203T124140_00001 S. OFFL_SIR_SIN_2_20170203T124000000000000000000000000000000		SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
S. OFFL_SIR_SIN_2_20170203T1091641_20170203T109251_C001 S. ARIN X-track Angle Error S. ARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode and no DEM or Stope Model Unavailable An ambiguous angle was detected for SARIn mode and no DEM or Stope Model Unavailable An ambiguous angle was detected for SARIn mode and no DEM or Stope Model Unavailable An ambiguous angle was detected for SARIn mode and no DEM or Stope Model Unavailable An ambiguous angle was detected for SARIn mode and no DEM or Stope Model Unavailable An ambiguous angle was detected for SARIn mode and no DEM or Stope Model Unavailable An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode and no DEM or Stope Model Unavailable An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected f	CS OFFL SIR SIN 2 20170203T083602 20170203T083634 C001		An ambiguous angle was detected for SARIn mode and no DEM or Slope
S. OFFL_SIR_SIN_2_20170203T092344_20170203T1092818_C001 S. ARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records S. OFFL_SIR_SIN_2_20170203T109526_20170203T109565_C001 S. ARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records S. OFFL_SIR_SIN_2_20170203T109526_20170203T109565_C001 S. ARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records S. OFFL_SIR_SIN_2_20170203T119514_20170203T119540_C001 S. ARIN X-track Angle Error S. OFFL_SIR_SIN_2_20170203T123539_20170203T12556_C001 S. ARIN X-track Angle Error S. urface Model Unavailable S. OFFL_SIR_SIN_2_20170203T12429_20170203T124548_C001 S. OFFL_SIR_SIN_2_20170203T134310_20170203T13436_C001 S. OFFL_SIR_SIN_2_20170203T134310_20170203T13436_C001 S. OFFL_SIR_SIN_2_20170203T134310_20170203T141455_C00170203T14456_C001 S. OFFL_SIR_SIN_2_20170203T1414455_20170203T141645_C001 S. OFFL_SIR_SIN_2_20170203T141445_C00170203T141645_C001 S. OFFL_SIR_SIN_2_20170203T141445_C00170203T141645_C001 S. OFFL_SIR_SIN_2_20170203T140203T141645_C00170203T141645_C001 S. OFFL_SIR_SIN_2_20170203T140203T141645_C00170203T14649_C001 S. OFFL_SIR_SIN_2_20170203T140203T14649_C001 S. OFFL_SIR_SIN_2_20170203T160002_20170203T16000_C001 S. OFFL_SIR_SIN_2_20170203	CS OFFL SIR SIN 2 20170203T091641 20170203T091913 C001		An ambiguous angle was detected for SARIn mode for one or more
SOFFL_SIR_SIN_2_20170203T105264_20170203T105566_C001 SARIN X-track Angle Error SARIN X-track Angle E	CS_OFFL_SIR_SIN_220170203T092244_20170203T092251_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
SOFFL SIR, SIN 2_20170203T10532_20170203T110709_C001 SARIN X-track Angle Error SARIN X-track Angle E	CS OFFL SIR SIN 2 20170203T092634 20170203T092818 C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
SARIN X-track Angle Error surface Model Unavailable Model Model Unavailable Model Unavailable Model Model Unavailable Model Mo		SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
SARIN X-track Angle Error surface SARIN X-track An	CS OFFL SIR SIN 2 20170203T110533 20170203T110709 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 20170203T115414 20170203T115440 C001		An ambiguous angle was detected for SARIn mode and no DEM or Slope
SARIN X-track Angle Error SARIN X-track Angle E			An ambiguous angle was detected for SARIn mode for one or more
SARIn X-track Angle Error Surface Model Unavailable SARIn X-track Angle Error, Surface Model Unavailable 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 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 SARIN X-track Angle Error CS_OFFL_SIR_SIN_2_20170203T14243_C001 SARIN X-track Angle Error SA		-	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170203T141455_20170203T142436_C001 SARIN X-track Angle Error SARIN X-track Angle		SARIn X-track Angle Error, Surface	An ambiguous angle was detected for SARIn mode and no DEM or Slope
CS_OFFL_SIR_SIN_2_20170203T141455_20170203T141455_20170203T141455_20170203T1414455_20170203T1414436_C001 SARIN X-track Angle Error SARIN X-track Angle Error CS_OFFL_SIR_SIN_2_20170203T142124_20170203T155827_C001 SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode f		SARIn X-track Angle Error, Surface	An ambiguous angle was detected for SARIn mode and no DEM or Slope
CS_OFFL_SIR_SIN_2_20170203T142124_20170203T142436_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			An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170203T155548_20170203T160600_C001 SARIN X-track Angle Error SARIN X-track Angle		-	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170203T160028_20170203T160600_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 r		-	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170203T173938_20170203T174043_C001 SARIN X-track Angle Error SARIN X-track Angle Error SARIN X-track Angle Error CS_OFFL_SIR_SIN_2_20170203T183022_20170203T183131_C001 SARIN X-track Angle Error SARIN X-track Angle Error CS_OFFL_SIR_SIN_2_20170203T183239_20170203T183409_C001 SARIN X-track Angle Error SARIN X-track Angle Error CS_OFFL_SIR_SIN_2_20170203T183239_20170203T183409_C001 SARIN X-track Angle Error SARIN X-track Angle Error, Surface Model Unavailable SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records		-	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170203T174440_20170203T174618_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 r		-	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170203T183022_20170203T183131_C001 SARIN X-track Angle Error SARIN X-track Angle Error, Surface Model Unavailable CS_OFFL_SIR_SIN_2_20170203T191316_20170203T191541_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 ambig		-	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170203T183239_20170203T183409_C001 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 An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode and no DEM or Slope Model Unavailable SARIN X-track Angle Error, 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 An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambigu		-	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170203T185242_20170203T190825_C001 SARIN X-track Angle Error, Surface Model Unavailable SARIN X-track Angle Error An ambiguous angle was detected for SARIN mode for one or more records An ambiguous angle was detected for SARIN mode for one or more records An ambiguous angle was detected for SARIN mode for one or more records An ambiguous angle was detected for SARIN mode for one or more records		-	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170203T191316_20170203T191541_C001 SARIN X-track Angle Error SARIN X-track Angle Error, Surface An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode and no DEM or Slope 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 An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous 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_20170203T192341_20170203T192530_C001 SARIN X-track Angle Error An ambiguous angle was detected for SARIN mode and no DEM or Slope Model Unavailable SARIN X-track Angle Error An ambiguous angle was detected for SARIN mode for one or more records An ambiguous angle was detected for SARIN mode for one or more records An ambiguous angle was detected for SARIN mode for one or more records An ambiguous angle was detected for SARIN mode for one or more records An ambiguous angle was detected for SARIN mode for one or more records An ambiguous angle was detected for SARIN mode for one or more records			
CS_OFFL_SIR_SIN_2_20170203T200939_20170203T201530_C001 CS_OFFL_SIR_SIN_2_20170203T200939_20170203T201530_C001 CS_OFFL_SIR_SIN_2_20170203T205227_20170203T205415_C001 CS_OFFL_SIR_SIN_2_20170203T205625_20170203T205650_C001 CS_OFFL_SIR_SIN_2_20170203T205625_20170203T205650_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		-	records
Model Unavailable CS_OFFL_SIR_SIN_2_20170203T205625_20170203T205650_C001 CS_OFFL_SIR_SIN_2_20170203T205625_20170203T205650_C001 SARIn X-track Angle Error		-	records
CS_OFFL_SIR_SIN_2_20170203T205625_20170203T205650_C001 CS_OFFL_SIR_SIN_2_20170203T205625_20170203T205650_C001 SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more SARIN X-track Angle Error		Model Unavailable	Model was used for one or more records
CS_OFFL_SIR_SIN_2_201702031205025_201702031205050_C001 SARIM A-track Angle Entor records An ambiguous angle was detected for SARIn mode for one or more		-	records
		-	records
	05_01 FL_01R_0111_2201/02001210221_201/02031210451_C001	OARIII A-IIAUK ATIYIE ETIOF	

CS_OFFL_SIR_SIN_220170203T214312_20170203T214331_C001		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_220170203T214427_20170203T214500_C001		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_220170203T223155_20170203T223336_C001	ISARIN X-Track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170203T223445_20170203T223624_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170203T224103_20170203T224151_C001	ISARIN X-frack Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170203T224220_20170203T224343_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	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR_LRM_1B	173	173	173	0	0
SIR_LRM_2	169	169	169	0	0
SIR_LRMI2_	169	169	169	0	0
SIR_SAR_1B	119	119	119	0	0
SIR_SAR_2	117	117	117	0	0
SIR_SARI2_	117	117	117	0	0
SIR_SIN_1B	104	104	104	0	0
SIR_SIN_2	104	104	104	0	0
SIR_SINI2	104	104	104	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:

95