



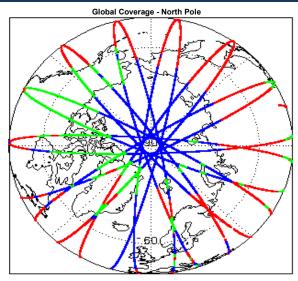
1. Overview

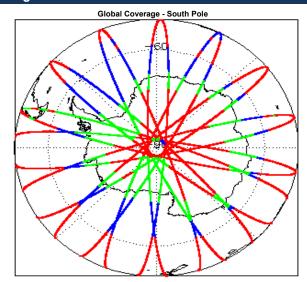
Report Production Date:	01-Aug-2017	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1B and L2 OFFLINE Data	

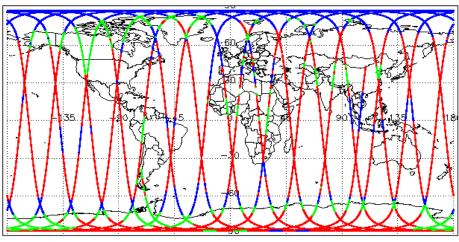
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2 and 5.2
Star Tracker Usage Check	Nominal
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary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

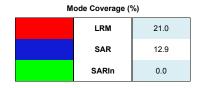
Mission / Instru	ment News
29-Jun-2017	None
30-Jun-2017	None
01-Jul-2017	Nothing planned

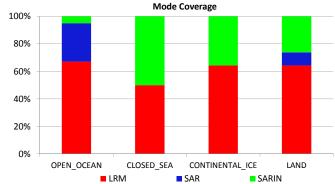
2. Global Coverage

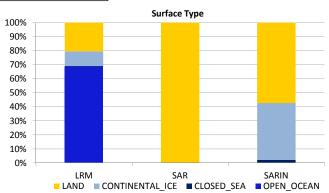












3. Instrument Configuration

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_20170630T123628_20170630T123629_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:

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:

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_20170630T063036_20170630T063100_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20170630T145544_20170630T150545_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20170630T153715_20170630T160453_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:

Product	Test Failed	
CS_OFFL_SIR_SAR_220170630T123628_20170630T123629_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.

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.

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Number of products with errors:

CS_OFFL_SIR_LRM_2__20170630T202714_20170630T203106_C001

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220170630T001331_20170630T002757_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_220170630T004337_20170630T010914_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_220170630T014352_20170630T020505_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_220170630T021525_20170630T021851_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220170630T022211_20170630T023736_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_220170630T023849_20170630T024930_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_220170630T032144_20170630T034649_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_220170630T041802_20170630T043556_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_220170630T044856_20170630T045435_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_220170630T050032_20170630T050207_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_220170630T052917_20170630T053447_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20170630T054138_20170630T061629_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_220170630T062733_20170630T062908_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_20170630T064705_20170630T070413_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_220170630T070835_20170630T071343_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220170630T072017_20170630T075618_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_220170630T081836_20170630T082308_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_220170630T082311_20170630T084118_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_220170630T085053_20170630T085247_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220170630T090019_20170630T091706_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_220170630T092147_20170630T093613_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_220170630T094910_20170630T100616_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_220170630T100805_20170630T102220_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_220170630T103908_20170630T105412_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_220170630T105613_20170630T110535_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_220170630T113224_20170630T114504_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_220170630T115040_20170630T115858_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_220170630T120753_20170630T121601_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220170630T121838_20170630T123354_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_220170630T131650_20170630T134309_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_220170630T134916_20170630T135439_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220170630T135841_20170630T142227_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_220170630T145544_20170630T150545_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_220170630T153715_20170630T160453_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_220170630T160856_20170630T161416_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_220170630T162805_20170630T170034_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_220170630T175206_20170630T175456_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_220170630T180656_20170630T181715_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_220170630T181841_20170630T184030_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_220170630T185617_20170630T191345_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_220170630T194437_20170630T201851_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

Surface Model Unavailable

No DEM or Slope Model was used for the location of one or more records

Comparignment Comparignmen		Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
Court Set 104.2 20170007121492 20170007121492 COOR COURT Set 204.2 20	CS_OFFL_SIR_LRM_220170630T203756_20170630T210917_C001	Error (Retracker 2)	records
Co. CFF. Bit. 19.1. 2. 20170607723415 20170607723420 CO. CFF. Bit. 19.1. 2. 20170607723415 20170607723415 CO. CFF. Bit. 19.1. 2. 20170607723412 20170607723412 CO. CFF. Bit. 19.1. 2. 2017060772341 CO. CFF. Bit. 19.1. 2. 2017	CS_OFFL_SIR_LRM_220170630T212156_20170630T213633_C001	(Retracker 3), Backscatter Error (Retracker 2)	
Comparing Comp	CS_OFFL_SIR_LRM_220170630T214115_20170630T215830_C001	(Retracker 3), Backscatter Error (Retracker 2)	
Company Comp	CS_OFFL_SIR_LRM_220170630T221615_20170630T222930_C001		•
Cont. Serv. Cont. Cont	CS_OFFL_SIR_LRM_220170630T223144_20170630T224508_C001	(Retracker 3), Backscatter Error	
Co., OFF., SML, CALL _ 2017/00/10/2019 (2017/00/20/2019) (2017) Co., OFF., SML, SML_2 _ 2017/00/10/2019 (2017/00/20/2019) (2017/00/20/20/2019) (2017/00/20/2019) (2017/00/20/2019) (2017/00/20/20/2019) (2017/00/20/20/2019) (2017/00/20/20/20/20/20/20/20/20/20/20/20/20/	CS_OFFL_SIR_LRM_220170630T224620_20170630T224817_C001		· · · · · · · · · · · · · · · · · · ·
Co. CHE, SHILL MIN. 2, 091700011222214 20170001122227 2019 Co. CHE, SHILL SHILL AND ADDRESS AND AD	CS_OFFL_SIR_LRM_220170630T231110_20170630T232134_C001	(Retracker 3), Backscatter Error (Retracker 2)	
Sec. OFF. 19th Styl. 2. 2017/000110000100001000001000001000001000000	CS_OFFL_SIR_LRM_220170630T232314_20170630T233719_C001	(Retracker 3), Backscatter Error	
George G	CS_OFFL_SIR_SIN_220170630T002841_20170630T003101_C001	SARIn X-track Angle Error	
Social Programs and the second of the second	CS_OFFL_SIR_SIN_220170630T003620_20170630T003627_C001	SARIn X-track Angle Error	
Model Liberoplastic SOFTE, SIR N. 2. 2017085077061902 2017000071001000 COST SOFTE, SIR N. 2. 2017085077061902 2017000071001000 COST SOFTE, SIR N. 2. 2017085077061902 201700007100000 COST SOFTE, SIR N. 2. 201708507706007 COST SOFTE, SIR N. 2. 201708507700007 COST SOFTE, SIR N. 2. 2017085077000007 COST SOFTE, SIR N. 2. 20170850770000000000000000000000000000000	CS_OFFL_SIR_SIN_220170630T003738_20170630T004158_C001	SARIn X-track Angle Error	
See GFFL_Sist_Sist_2_D17000010001000100001_C001 SARIN XERAK Angle Error An antispoous arrow was detected for SARIn mode for one or more As GFFL_Sist_Sist_2_D1700001000100010001_C001 SARIN XERAK Angle Error An antispoous arrow was detected for SARIn mode for one or more As GFFL_Sist_Sist_2_D1700001000100010001_C001 SARIN XERAK Angle Error An antispoous arrow was detected for SARIn mode for one or more An antispoous arrow was detected for SARIn mode for one or more An antispoous arrow was detected for SARIn mode for one or more An antispoous arrow was detected for SARIn mode for one or more An antispoous arrow was detected for SARIn mode for one or more An antispoous arrow was detected for SARIn mode for one or more An antispoous arrow was detected for SARIn mode for one or more An antispoous arrow was detected for SARIn mode for one or more An antispoous arrow was detected for SARIn mode for one or more An antispoous arrow was detected for SARIn mode for one or more As GFFL_Sist_Sist_2_D17000010000100000000000000000000000000	CS_OFFL_SIR_SIN_220170630T012811_20170630T012846_C001		
S. OPFL_SIR_SIN_2_20170630112632_0010 SARIE X-track Angle Error SARIE X-tr	CS_OFFL_SIR_SIN_220170630T020857_20170630T021128_C001	SARIn X-track Angle Error	
S. CPFL_SIR_SIN_2_201706007103472_00000 SARIN Kritack Angle Error CRS. CPFL_SIR_SIN_2_201706007103472_000000 SARIN Kritack Angle Error CRS. CPFL_SIR_SIN_2_201706007103472_000000000000000000000000000000000000	CS_OFFL_SIR_SIN_220170630T021502_20170630T021509_C001	SARIn X-track Angle Error	
SARIN X-lack Angle Error SARIN X-lack Angle Error An ambiguous angle was deceded for SARIN mode for one or more needs SARIN X-lack Angle Error An ambiguous angle was deceded for SARIN mode for one or more needs SARIN X-lack Angle Error An ambiguous angle was deceded for SARIN mode for one or more needs SARIN X-lack Angle Error SARIN X-lack Angle Error An ambiguous angle was deceded for SARIN mode for one or more needs SARIN X-lack Angle Error SARIN X-lack Angle Error An ambiguous angle was deceded for SARIN mode for one or more needs SARIN X-lack Angle Error SARIN X-lac	CS_OFFL_SIR_SIN_220170630T021851_20170630T022034_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
S. OFFL_SR_SN_2_20170000T003F10_20170000T003F02_00000 S. OFFL_SR_SN_2_20170000T003F30_20170000T003F02_F1_C0001 S. ARIIN X-freak Angle Error An embriguous angle was detected for SARIIn mode for one or more records. An embriguous angle was detected for SARIIn mode for one or more records. An embriguous angle was detected for SARIIn mode for one or more records. An embriguous angle was detected for SARIIn mode for one or more records. An embriguous angle was detected for SARIIn mode for one or more records. An embriguous angle was detected for SARIIn mode for one or more records. An embryous angle was detected for SARIIn mode for one or more records. An embryous angle was detected for SARIIn mode for one or more records. An embryous angle was detected for SARIIn mode for one or more records. An embryous angle was detected for SARIIn mode for one or more records. An embryous angle was detected for SARIIn mode for one or more records. An embryous angle was detected for SARIIn mode for one or more records. An embryous angle was detected for SARIIn mode for one or more records. SO OFFL SIR, SIN_2_201700001704917_070001708007_0700001 SARIIN X-frack Angle Error An embryous angle was detected for SARIIn mode for one or more records. SO OFFL SIR, SIN_2_201700001704917_070001708007_0700001 SARIIN X-frack Angle Error An embryous angle was detected for SARIIn mode for one or more records. SO OFFL SIR, SIN_2_201700001704917_070001708007_0700001 SARIIN X-frack Angle Error An embryous angle was detected for SARIIn mode for one or more records. SO OFFL SIR, SIN_2_201700001704917_070001704901_070001 SARIIN X-frack Angle Error SARIIN X-frack Angle Error An embryous angle was detected for SARIIn mode for one or more records. SO OFFL SIR, SIN_2_201700001703017_07000171244_0.0001 SARIIN X-frack Angle Error SARIIN X-frack	CS_OFFL_SIR_SIN_220170630T034751_20170630T034919_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
Sp. CPFL_SIR_SIN_2_20170830703515_20170830702580_0001 SARIIN X184A Angle Error An embrguous angle was detected for SARIII mode for one or more exercise. SARIII x184A Angle Error An embrguous angle was detected for SARIII mode for one or more records SARIII X184A Angle Error SARIII X184A Angle Error An embrguous angle was detected for SARIII mode for one or more records SARIII X184A Angle Error SARIII X184A Angle Error SARIII X184A Angle Error SARIII X184A Angle Error An embrguous angle was detected for SARIII mode for one or more records SARIII X184A Angle Error SARIII X	CS_OFFL_SIR_SIN_220170630T035416_20170630T035423_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
S. OFFL_SIR_SIN_2_20170930706427_20170930703939_20100 S. OFFL_SIR_SIN_2_20170930706259_20170930703939_20100 S. OFFL_SIR_SIN_2_20170930706259_20170930706264 COOl	CS_OFFL_SIR_SIN_220170630T035751_20170630T035930_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
SARID X-track Angle Error SARID X-track Angle E	CS_OFFL_SIR_SIN_220170630T052758_20170630T052917_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
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SAFIN X-frack Angle Error records SAFIN X-frack An	CS_OFFL_SIR_SIN_220170630T062558_20170630T062641_C001		An ambiguous angle was detected for SARIn mode and no DEM or Slope
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SARIN X-track Angle Error SARIN X-track Angle E	CS_OFFL_SIR_SIN_2_20170630T071343_20170630T071658_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_220170630T084817_20170630T085052_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
S. OFFL_SIR_SIN_2_20170630T104533_20170630T104542_C001 S. ARIN X-track Angle Error S. OFFL_SIR_SIN_2_20170630T112442_20170630T112349_C001 S. ARIN X-track Angle Error S. ARIN X-track Angl	CS OFFL SIR SIN 2 20170630T085247 20170630T085827 C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
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SARIN X-track Angle Error SARIN X-track Angle E	CS OFFL SIR SIN 2 20170630T103659 20170630T103836 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-120170630T112446_20170630T120752_C001 SARIN X-track Angle Error S			An ambiguous angle was detected for SARIn mode for one or more
SARIN X-track Angle Error CS_OFFL_SIR_SIN_2_20170630T120545_20170630T120747_C001 SARIN X-track Angle Error SARIN X-track Angle Error, Surface Model Unavailable SARIN X-track Angle Error, Surface Model Unavailable SARIN X-track Angle Error, Surface Model 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 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		C C	An ambiguous angle was detected for SARIn mode for one or more
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CS_OFFL_SIR_SIN_2_20170630T135439_20170630T143540_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 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			An ambiguous angle was detected for SARIn mode for one or more
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CS_OFFL_SIR_SIN_2_20170630T152437_20170630T152844_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		Model Unavailable	Model was used for one or more records
CS_OFFL_SIR_SIN_2_20170630T153447_20170630T153609_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		-	records
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CS_OFFL_SIR_SIN_2_20170630T171321_20170630T171438_C001 SARIN X-track Angle Error An ambiguous angle was detected for SARIN mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIN mode for one or more records An ambiguous angle was detected for SARIN mode for one or more records An ambiguous 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
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CS_OFFL_SIR_SIN_2_20170630T18333_20170630T1836332_C001 CS_OFFL_SIR_SIN_2_20170630T185209_20170630T185332_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
CS_OFFL_SIR_SIN_2_20170630T193335_20170630T193543_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
CS_OFFL_SIR_SIN_2_2017/0530T193335_2017/0530T193345_C001 SARIM A-track Angle Error CS_OFFL_SIR_SIN_2_2017/0530T202039_2017/0530T202226_C001 SARIM A-track Angle Error An ambiguous angle was detected for SARIn mode for one or more		SARIn X-track Angle Error	records
		-	records
	CS_OFFL_SIR_SIN_220170630T202039_20170630T202226_C001	SARIn X-track Angle Error	

CS_OFFL_SIR_SIN_220170630T203106_20170630T203216_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170630T210939_20170630T211047_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170630T211339_20170630T211446_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170630T215859_20170630T220036_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170630T220625_20170630T220627_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170630T220807_20170630T221005_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170630T225143_20170630T225400_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_220170630T233814_20170630T234002_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170630T234522_20170630T234528_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170630T234538_20170630T234541_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170630T234642_20170630T235335_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	145	145	145	0	0
SIR_LRM_2	144	144	144	0	0
SIR_LRMI2_	144	144	144	0	0
SIR_SAR_1B	101	101	101	0	0
SIR_SAR_2	101	101	101	0	0
SIR_SARI2_	101	101	101	0	0
SIR_SIN_1B	102	102	102	0	0
SIR_SIN_2	102	102	102	0	0
SIR_SINI2	102	102	102	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:

183