



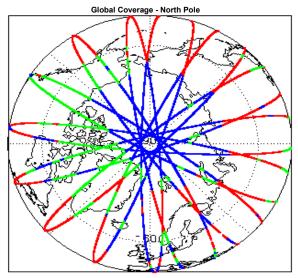
1. Overview

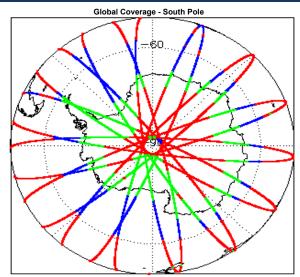
Report Production Date:	15-Aug-2018			
Processor Used:	CryoSat Ice Processor			
Data Used:	L1B and L2 OFFLINE Data			

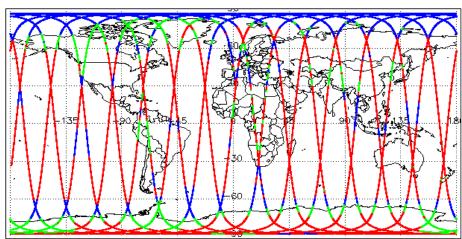
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary Data File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

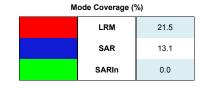
Mission / Instru	Mission / Instrument News			
16-Jul-2018	None			
17-Jul-2018	None			
18-Jul-2018	Nothing planned			

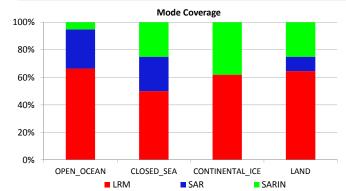
2. Global Coverage

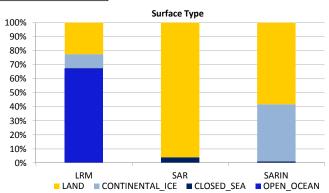












3. Instrument Configuration

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

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

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:

0

4.6 L1B Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag (field 54) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

4.7 L1B Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement record. The bit value of this flag indicates any problems when set

Currently, there are several common error flags raised in the Level 1B products which are expected due to operational mode or surface type. All common flags are summarised in the list below, followed by a table of any additional issues arising from this test.

Block Degraded Flag: This flag is currently set for a number of individual records generally at the start or end of products (all modes), but this is to be expected.

Phase Perturbation Flag: This flag is currently set for all L1B SARIn products, indicating that the ADC correction application is deactivated, but this is in line with the current configuration.

lumber of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20180717T000325_20180717T000345_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_20180717T181539_20180717T182216_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_20180717T195513_20180717T200140_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

5. Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

5.5 L2 Measurement Quality Flag Check

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

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

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

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_2_20180717T001055_20180717T001140_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_220180717T002241_20180717T005321_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_220180717T010611_20180717T011026_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180717T011512_20180717T014910_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_220180717T020124_20180717T021539_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_220180717T022019_20180717T022206_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_220180717T022209_20180717T022224_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_220180717T022239_20180717T023713_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_220180717T031028_20180717T032743_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_220180717T035009_20180717T035938_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_20180717T040141_20180717T041612_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_220180717T043306_20180717T043529_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_20180717T045007_20180717T050304_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_220180717T054007_20180717T055508_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_220180717T060352_20180717T060516_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180717T061054_20180717T063658_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_220180717T065840_20180717T070139_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_220180717T070935_20180717T073417_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_220180717T074251_20180717T074616_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180717T080620_20180717T081614_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_220180717T081810_20180717T081847_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180717T081908_20180717T082056_C001	Error (Retracker 2), Height Error Height Error (Retracker 2), Height Error	records
CS_OFFL_SIR_LRM_2_20180717T083756_20180717T084440_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_220180717T084758_20180717T085408_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_20180717T085410_20180717T091351_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_220180717T092148_20180717T092520_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180717T093005_20180717T100310_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_220180717T101532_20180717T101826_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_220180717T105648_20180717T110211_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180717T110915_20180717T113019_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220180717T113305_20180717T114436_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180717T115419_20180717T115816_C001	Error (Retracker 2), Backscatter Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180717T122058_20180717T123108_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_20180717T123617_20180717T124110_C001	Surface Model Unavailable Height Error (Retracker 2), Backscatter	No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180717T124821_20180717T125329_C001	Error (Retracker 2) Height Error (Retracker 2), Height Error	records
CS_OFFL_SIR_LRM_2_20180717T125339_20180717T132430_C001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180717T134046_20180717T140847_C001	Error (Retracker 2) Height Error (Retracker 2), Height Error	records
CS_OFFL_SIR_LRM_220180717T142752_20180717T144438_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_220180717T144919_20180717T145644_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_2_20180717T151750_20180717T153318_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_20180717T153532_20180717T155019_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_20180717T160658_20180717T162107_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_20180717T162246_20180717T162421_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_20180717T162424_20180717T163840_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_20180717T165733_20180717T170646_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

Description Company	CS_OFFL_SIR_LRM_2_20180717T170808_20180717T171031_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
DOUBLING AND PROTECTION CONTINUES. CONTINUES			
Co. Comp. Section 1771		Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
COUNT, DRI, 1982, 2. 2019077719025, 2019077719025, COUNT		Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
Company Comp		, , , ,	
Heigh Chris (Personne 2). And a hoppe or of indication 2 in the part of indication 3 in the part		Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error
Seg. OFF., SIRL, LEAN E_DOISONTTOCOLOGY_COUNTY TESTED COST GO. OFF., SIRL, LEAN E_DOISONTTOCOLOGY_COST GO. OF	CS_OFFL_SIR_LRM_220180717T195513_20180717T200140_C001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	
CS. OFFL. SRI, LIMIT 2. 20180717121092, 20180717120050, COOL CS. OFFL. SRI, LIMIT 2. 20180717120050, 20180717120050, COOL CS. OFFL. SRI, LIMIT 2. 201807171700500, 20180717120050, COOL CS. OFFL. SRI, LIMIT 2. 201807171700500, 201807171700500, COOL CS. OFFL. SRI, LIMIT 2. 201807171700500, COOL CS. OFFL.	CS_OFFL_SIR_LRM_2_20180717T200247_20180717T200319_C001	Height Error (Retracker 2), Backscatter	The state of the s
SS_CPF_SIR_LIM_2_200071712030_200071712030_20007 SS_CPF_SIR_LIM_2_2000771712030_200071712030_20007 SS_CPF_SIR_LIM_2_2000771712030_200071712030_20007 SS_CPF_SIR_LIM_2_2000771712030_2000771712030_2000771712030_20007 SS_CPF_SIR_LIM_2_2000771712030_2000771712030_2000771712030_20007 SS_CPF_SIR_LIM_2_2000771710030_20007717120	CS_OFFL_SIR_LRM_220180717T202318_20180717T203313_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
Co. OFF_SIR_LIM_2_20180717724662_01977724625_0001 Co. OFF_SIR_LIM_2_20180777724662_01977724625_0001 Co. OFF_SIR_LIM_2_20180777723602_0197772462_0001 Co. OFF_SIR_LIM_2_20180777723602_01977723503_0001 Co. OFF_SIR_LIM_2_20180777723602_01977723503_0001 Co. OFF_SIR_LIM_2_20180777723602_01977723503_0001 Co. OFF_SIR_LIM_2_20180777723602_01977723503_0001 Co. OFF_SIR_LIM_2_20180777733603_0001977723503_0001 Co. OFF_SIR_LIM_2_20180777733603_0001977723503_0001 Co. OFF_SIR_LIM_2_20180777733603_0001977723503_0001 Co. OFF_SIR_LIM_2_20180777733603_0001977723603_0001 Co. OFF_SIR_LIM_2_20180777733603_0001977723603_0001 Co. OFF_SIR_LIM_2_20180777733603_00019777033603_000197703603_0001977013603_00019770013603_00019770013603_00019770013603_00019770013603_00019770013603_00019770013603_00019770013603_00019770013603_00019770013603_00019770013603_00019770013603_00019770013603_00019770	CS_OFFL_SIR_LRM_2_20180717T210459_20180717T213240_C001	Height Error (Retracker 2), Backscatter	
Expirit Premade 2 So CFFL SIN LENG 2 201601717231919 20160171723293 COOL Expirit Records 2 So CFFL SIN LENG 2 20160171723319 20160171723335 COOL Expirit Records 2 So CFFL SIN LENG 2 20160171723319 20160171723335 COOL Expirit Records 2 So CFFL SIN LENG 2 20160171723319 20160171723335 COOL Expirit Records 2 So CFFL SIN LENG 2 20160171723319 20160171723335 COOL Expirit Records 2 So CFFL SIN LENG 2 20160171723319 20160171723319 COOL Expirit Records 2 So CFFL SIN LENG 2 20160171723319 20160171723319 COOL Expirit Records 2 So CFFL SIN LENG 2 20160171723319 20160171723319 COOL Expirit Records 2 So CFFL SIN LENG 2 20160171723319 COOL Expirit Records 2 So CFFL SIN LENG 2 20160171723319 COOL Expirit Records 2 So CFFL SIN LENG 2 20160171723319 COOL Expirit Records 2 So CFFL SIN LENG 2 20160171723319 COOL SO CFFL SIN LENG 2 2016017172331 COOL SO	CS_OFFL_SIR_LRM_220180717T213928_20180717T214054_C001	(Retracker 3), Backscatter Error	
GS OFFL SRI LENG 2. 20199717T125919. 20199717T125915 COOP GS OFFL SRI SRI SRI 2. 20199717T101005 20199717T101005 COOP GS OFFL SRI SRI SRI 2. 20199717T101005 20199717T101005 COOP GS OFFL SRI SRI SRI 2. 20199717T101005 20199717T101005 COOP GS OFFL SRI SRI SRI 2. 20199717T101005 20199717T101005 COOP GS OFFL SRI SRI SRI 2. 20199717T101005 20199717T101005 COOP GS OFFL SRI SRI SRI 2. 20199717T101005 20199717T101005 COOP GS OFFL SRI SRI SRI 2. 20199717T101005 20199717T101005 COOP GS OFFL SRI SRI SRI 2. 20199717T101005 20199717T101005 COOP GS OFFL SRI SRI 2. 20199717T100105 20199717T101005 COOP GS OFFL SRI SRI 2. 20199717T100105 COOP GS OFFL SRI SRI 2. 20199717T100105 20199717T100105 COOP GS OFFL SRI SRI 2. 20199717T100	CS_OFFL_SIR_LRM_220180717T214058_20180717T214233_C001		
Enric (Febracker 2). Description of Enric (Febracker 2) in coords. There is a height and backscatter error for Petracker 2 for ore or more height ferrir (Febracker 2). Becascatter Enric (Febracker 2) in coords. Sept. Seq. Jan. 2, 201807177123333, 201807177123333, 201807177123333, 201807177123333, 201807177123333, 201807177123333, 201807177123407, 201807177123407, 201807177123407, 201807177123407, 201807177123407, 201807177123407, 201807177123407, 201807177123407, 201807177123407, 201807177123407, 201807177123407, 20180717710344, 20180717701342, 20180717701342, 20180717701342, 20180717701342, 20180717701342, 20180717701342, 20180717701342, 20180717701342, 20180717701342, 20180717701342, 20180717701342, 20180717701342, 20180717701342, 20180717701342, 201807177013424, 201807177013424, 201807177013424, 201807177013424, 201807177013424, 20180717701344, 2018071701344, 20180717013	CS_OFFL_SIR_LRM_220180717T215450_20180717T222754_C001	(Retracker 3), Backscatter Error	
Empty (February 2) and backscatter error for Retrocker 2 for one or more horses. SC (FFL_SR_LBM_2_20180717723592_0180717723422_0001 SC (FFL_SR_LBM_2_20180717710144_0018071770144_001012 SC (FFL_SR_LBM_2_20180717710144_00180717701444_001012 SC (FFL_SR_SR_LBM_2_20180717710144_00180717701444_001012 SC (FFL_SR_SR_LBM_2_20180717701044_0010012 SC (FFL_SR_SR_LBM_2_20180717701044_001012 SC (FFL_SR_SR_LBM_2_201807177010444_00180717010444_001012 SC (FFL_SR_SR_LBM_2_201807177010444_00180717010444_001012 SC (FFL_SR_SR_LBM_2_201807177010444_00180717010444_001012 SC (FFL_SR_SR_LBM_2_201807177010442_00180717010444_001012 SC (FFL_SR_SR_LBM_2_201807177010442_001807170104440_0010144444 SC (FFL_SR_SR_LBM_2_201807177010444_0014444444) SC (FFL_SR_SR_LBM_2_2018071770104442_0018071701045044_001444444) SC (FFL_SR_SR_LBM_2_2018071770104442_0018071701045044_001444444) SC (FFL_SR_SR_LBM_2_2018071770104444_001444444444444444444444444	CS_OFFL_SIR_LRM_2_20180717T225119_20180717T225517_C001		The state of the s
First (Retander 2) For	CS_OFFL_SIR_LRM_220180717T231819_20180717T232213_C001	Height Error (Retracker 2), Backscatter	
Errol (Retrolled 2) For Spirit Birl Birl 2 201807/17010392 201807/1700134 201807/1700134 201807/1700134 201807/1700134 201807/1700139 201807/17010392 201807/1700392 2	CS_OFFL_SIR_LRM_220180717T233238_20180717T233333_C001	Height Error (Retracker 2), Backscatter	
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SARIA X-track Angle Error SARIA X-track Angle E	CS_OFFL_SIR_SIN_220180717T001341_20180717T001434_C001	SARIn X-track Angle Error	
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Septimental Section (Section (CS_OFFL_SIR_SIN_220180717T014923_20180717T015124_C001	SARIn X-track Angle Error	
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SARIN X-track Angle Error SARIN X-track Angl	CS_OFFL_SIR_SIN_2_20180717T041723_20180717T041908_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20180717T059312_20180717T059314_C001 SARIN_X-track Angle Error SARIN_X-track Angle	CS_OFFL_SIR_SIN_2_20180717T042432_20180717T042438_C001	SARIn X-track Angle Error	records
SS_OFFL_SIR_SIN_2_20180717109512_201807171095140_0001 SARIN X-track Angle Error	CS_OFFL_SIR_SIN_220180717T042556_20180717T043210_C001	-	records
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CS_OFFL_SIR_SIN_2_20180717T060346_20180717T060352_C001 CS_OFFL_SIR_SIN_2_20180717T060516_20180717T060362_C001 SARIN X-track Angle Error CS_OFFL_SIR_SIN_2_20180717T073611_20180717T074234_C001 CS_OFFL_SIR_SIN_2_20180717T074231_20180717T074234_C001 CS_OFFL_SIR_SIN_2_20180717T074616_20180717T074234_C001 CS_OFFL_SIR_SIN_2_20180717T074616_20180717T074731_C001 SARIN X-track Angle Error CS_OFFL_SIR_SIN_2_20180717T074616_20180717T074731_C001 SARIN X-track Angle Error SARIN X-track Angle Error CS_OFFL_SIR_SIN_2_20180717T074616_20180717T074731_C001 SARIN X-track Angle Error An ambiguous angle was detected	CS_OFFL_SIR_SIN_2_20180717T055639_20180717T055849_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20180717T080516_20180717T080836_C001 SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error SARIN X-track Angle Error CS_OFFL_SIR_SIN_2_20180717T074231_20180717T074234_C001 SARIN X-track Angle Error SARIN X-track Angle Error CS_OFFL_SIR_SIN_2_20180717T074616_20180717T074731_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 amb	CS_OFFL_SIR_SIN_220180717T060331_20180717T060337_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20180717T073611_20180717T073829_C001 CS_OFFL_SIR_SIN_2_20180717T074231_20180717T074234_C001 CS_OFFL_SIR_SIN_2_20180717T074231_20180717T074234_C001 CS_OFFL_SIR_SIN_2_20180717T074616_20180717T074234_C001 CS_OFFL_SIR_SIN_2_20180717T074616_20180717T074731_C001 CS_OFFL_SIR_SIN_2_20180717T083612_20180717T083637_C001 CS_OFFL_SIR_SIN_2_20180717T083612_20180717T083637_C001 CS_OFFL_SIR_SIN_2_20180717T091538_20180717T091702_C001 CS_OFFL_SIR_SIN_2_20180717T091538_20180717T091702_C001 CS_OFFL_SIR_SIN_2_20180717T092145_20180717T092148_C001 CS_OFFL_SIR_SIN_2_20180717T092520_20180717T092639_C001 CS_OFFL_SIR_SIN_2_20180717T1092520_20180717T092639_C001 CS_OFFL_SIR_SIN_2_20180717T105521_20180717T105648_C001 CS_OFFL_SIR_SIN_2_20180717T105221_20180717T110521_C001 CS_OFFL_SIR_SIN_2_20180717T110534_20180717T1105418_C001 CS_OFFL_SIR_SIN_2_20180717T115334_20180717T115418_C001 CS_OFFL_SIR_SIN_2_20180717T115334_20180717T115418_C001 CS_OFFL_SIR_SIN_2_20180717T115334_20180717T115418_C001 CS_OFFL_SIR_SIN_2_20180717T1123502_20180717T1123617_C001 CS_OFFL_SIR_SIN_2_20180717T112334_20180717T1124437_C001 CS_OFFL_SIR_SIN_2_20180717T124110_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T124110_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T124110_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T124110_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T124110_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T124110_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T124110_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T124110_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T124110_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T124334_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T124334_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T124334_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T124334_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T124334_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T124437_C001 CS_OFFL_SIR_SIN_2	CS_OFFL_SIR_SIN_2_20180717T060346_20180717T060352_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20180717T074231_20180717T074234_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	CS_OFFL_SIR_SIN_220180717T060516_20180717T060836_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20180717T07423_20180717T074731_C001 SARIN X-track Angle Error SARIN X-track Angle Error CS_OFFL_SIR_SIN_2_20180717T083612_20180717T093637_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	CS_OFFL_SIR_SIN_220180717T073611_20180717T073829_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20180717T074616_20180717T083637_C001 CS_OFFL_SIR_SIN_2_20180717T091538_20180717T091702_C001 CS_OFFL_SIR_SIN_2_20180717T091538_20180717T092148_C001 CS_OFFL_SIR_SIN_2_20180717T092520_20180717T092639_C001 CS_OFFL_SIR_SIN_2_20180717T092520_20180717T092639_C001 CS_OFFL_SIR_SIN_2_20180717T105521_20180717T105648_C001 CS_OFFL_SIR_SIN_2_20180717T105521_20180717T105648_C001 CS_OFFL_SIR_SIN_2_20180717T115334_20180717T10521_C001 CS_OFFL_SIR_SIN_2_20180717T115334_20180717T115314_C001 CS_OFFL_SIR_SIN_2_20180717T115334_20180717T115418_C001 CS_OFFL_SIR_SIN_2_20180717T1123502_20180717T123617_C001 CS_OFFL_SIR_SIN_2_20180717T123502_20180717T123617_C001 CS_OFFL_SIR_SIN_2_20180717T123502_20180717T123617_C001 CS_OFFL_SIR_SIN_2_20180717T123634_20180717T123617_C001 CS_OFFL_SIR_SIN_2_20180717T123502_20180717T123617_C001 CS_OFFL_SIR_SIN_2_20180717T123502_20180717T123617_C001 CS_OFFL_SIR_SIN_2_20180717T123502_20180717T123617_C001 CS_OFFL_SIR_SIN_2_20180717T123502_20180717T123617_C001 CS_OFFL_SIR_SIN_2_20180717T123502_20180717T123617_C001 CS_OFFL_SIR_SIN_2_20180717T123502_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T123502_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T124110_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T104110_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T104110_20180717T104437_C001 CS_OFFL_SIR_SIN_2_20180717T104110_20180717T104437_C001 CS_OFFL_SIR_SIN_2_20180717T104110_20180717T104437_C001 CS_OFFL_SIR_SIN_2_20180717T104	CS_OFFL_SIR_SIN_220180717T074231_20180717T074234_C001	SARIn X-track Angle Error	records
Model Unavailable CS_OFFL_SIR_SIN_2_20180717T091538_20180717T091702_C001 SARIN X-track Angle Error CS_OFFL_SIR_SIN_2_20180717T092145_20180717T092148_C001 CS_OFFL_SIR_SIN_2_20180717T092145_20180717T092148_C001 SARIN X-track Angle Error SARIN X-track Angle Error SARIN X-track Angle Error CS_OFFL_SIR_SIN_2_20180717T1092520_20180717T092639_C001 SARIN X-track Angle Error SARIN X-track Angle Error SARIN X-track Angle Error SARIN X-track Angle Error CS_OFFL_SIR_SIN_2_20180717T105521_20180717T105648_C001 SARIN X-track Angle Error SARIN X-track Angle Error, Surface 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 and no DEM or Slope Model Unavailable 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 and no DEM or Slope An ambiguous angle was detected for SARIn mode and no DEM or Slope An ambiguous angle was detected for SARIn mode and no DEM or Slope	CS_OFFL_SIR_SIN_220180717T074616_20180717T074731_C001	-	records
CS_OFFL_SIR_SIN_2_20180717T092145_20180717T092148_C001 CS_OFFL_SIR_SIN_2_20180717T092520_20180717T092639_C001 CS_OFFL_SIR_SIN_2_20180717T092520_20180717T092639_C001 CS_OFFL_SIR_SIN_2_20180717T105521_20180717T105648_C001 CS_OFFL_SIR_SIN_2_20180717T105521_20180717T105648_C001 CS_OFFL_SIR_SIN_2_20180717T110521_C001 CS_OFFL_SIR_SIN_2_20180717T110521_C001 CS_OFFL_SIR_SIN_2_20180717T115334_20180717T115418_C001 CS_OFFL_SIR_SIN_2_20180717T115334_20180717T115418_C001 CS_OFFL_SIR_SIN_2_20180717T1123502_20180717T1123617_C001 CS_OFFL_SIR_SIN_2_20180717T123502_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T123502_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T123617_C001 CS_OFFL_SIR_SIN_2_20180717T123617_C001 CS_OFFL_SIR_SIN_2_20180717T123602_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T124110_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T123634_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T123133634_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T123133634_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T1233634_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T1233634_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T1333634_20180717T1333725_C001 CS_OFFL_SIR_SIN_2_20180717T1333634_20180717T1333725_C001 CS_OFFL_SIR_SIN_2_20180717T1333634_20180717T1333725_C001	CS_OFFL_SIR_SIN_220180717T083612_20180717T083637_C001		Model was used for one or more records
CS_OFFL_SIR_SIN_2_20180717T092520_20180717T092639_C001 SARIN X-track Angle Error SARIN X-track Angle Error, Surface SARIN X-track Angle Error, Surface SARIN X-track Angle Error SARIN X-track Angle Error, Surface SARIN X-track Angle Error An ambiguous angle was detected for SARIN mode for one or more records An ambiguous angle was detected for SARIN mode for one or more records An ambiguous angle was detected for SARIN mode for one or more records SARIN X-track Angle Error SARIN X-track Angle Error, Surface An ambiguous angle was detected for SARIN mode and no DEM or Slope	CS_OFFL_SIR_SIN_220180717T091538_20180717T091702_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20180717T105232_20180717T10524_C001 CS_OFFL_SIR_SIN_2_20180717T10521_20180717T10521_C001 CS_OFFL_SIR_SIN_2_20180717T110212_20180717T110521_C001 CS_OFFL_SIR_SIN_2_20180717T115334_20180717T115418_C001 CS_OFFL_SIR_SIN_2_20180717T115334_20180717T115418_C001 CS_OFFL_SIR_SIN_2_20180717T123502_20180717T123617_C001 CS_OFFL_SIR_SIN_2_20180717T123502_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T124110_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T124110_20180717T124437_C001 SARIN X-track Angle Error	CS_OFFL_SIR_SIN_220180717T092145_20180717T092148_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20180717T10521_20180717T10521_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 SARIN X-track Angle Error SARIN X-track Angle Error SARIN X-track Angle Error SARIN X-track Angle Error An ambiguous angle was detected for SARIN mode and no DEM or Slope	CS_OFFL_SIR_SIN_220180717T092520_20180717T092639_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20180717T115334_20180717T115418_C001 CS_OFFL_SIR_SIN_2_20180717T115334_20180717T115418_C001 CS_OFFL_SIR_SIN_2_20180717T123502_20180717T123617_C001 SARIN X-track Angle Error, Surface Model Unavailable SARIN X-track Angle Error	CS_OFFL_SIR_SIN_220180717T105521_20180717T105648_C001	SARIn X-track Angle Error	records
Model Unavailable CS_OFFL_SIR_SIN_2_20180717T123502_20180717T123617_C001 CS_OFFL_SIR_SIN_2_20180717T123502_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T124110_20180717T124437_C001 SARIN X-track Angle Error	CS_OFFL_SIR_SIN_220180717T110212_20180717T110521_C001	-	records
CS_OFFL_SIR_SIN_2_20180717T124110_20180717T124437_C001 CS_OFFL_SIR_SIN_2_20180717T124110_20180717T124437_C001 SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode and no DEM or Slope SARIN X-track Angle Error SARIN X-track Angle Error SARIN X-track Angle Error SARIN X-track Angle Error	CS_OFFL_SIR_SIN_220180717T115334_20180717T115418_C001		Model was used for one or more records
CS_OFFL_SIR_SIN_2_20180/17/1124110_20180/17/112443/_C001 SARIN X-track Angle Error 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_220180717T123502_20180717T123617_C001	SARIn X-track Angle Error	records
	CS_OFFL_SIR_SIN_220180717T124110_20180717T124437_C001	-	records
	CS_OFFL_SIR_SIN_220180717T133634_20180717T133725_C001		

CS_OFFL_SIR_SIN_220180717T141547_20180717T141822_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180717T142015_20180717T142341_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180717T142422_20180717T142642_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180717T151056_20180717T151132_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180717T151136_20180717T151217_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180717T151529_20180717T151750_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180717T155109_20180717T155711_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_220180717T155928_20180717T160006_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180717T160427_20180717T160604_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180717T164519_20180717T164604_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_220180717T165019_20180717T165232_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180717T165416_20180717T165629_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180717T173313_20180717T173501_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180717T174332_20180717T174524_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180717T182932_20180717T183422_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_220180717T191247_20180717T191408_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180717T191602_20180717T191655_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180717T192140_20180717T192354_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180717T200417_20180717T200441_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_220180717T205216_20180717T205336_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180717T205356_20180717T205614_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180717T210210_20180717T210338_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180717T214323_20180717T214344_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_220180717T223207_20180717T223521_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20180717T224041_20180717T224159_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	151	151	151	0	0
SIR_LRM_2	149	149	149	0	0
SIR LRMI2	149	149	149	0	0
SIR SAR 1B	105	105	105	0	0
SIR_SAR_2	105	105	105	0	0
SIR_SARI2_	105	105	105	0	0
SIR SIN 1B	115	115	115	0	0
SIR_SIN_2	115	115	115	0	0
SIR_SINI2	115	115	115	0	0
SIR GDR 2	13	13	13	0	0

6.1 QCC Errors

Number of products with QCC errors:

6.2 QCC Warnings

Number of QCC reports with warnings

6.2 Missing QCC Reports

Number of products with missing QCC reports:

184

0