

12/06/2021



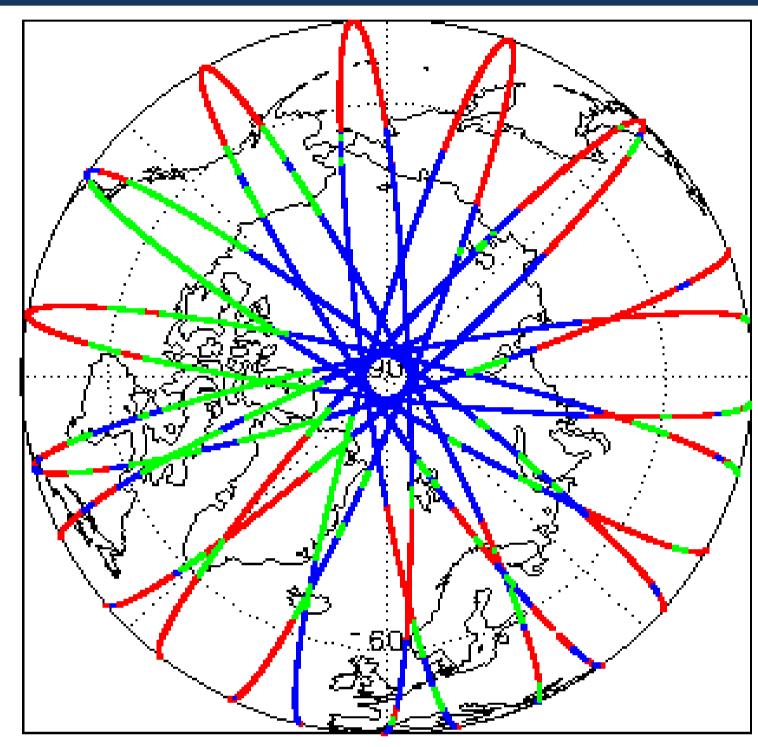
1. Overview

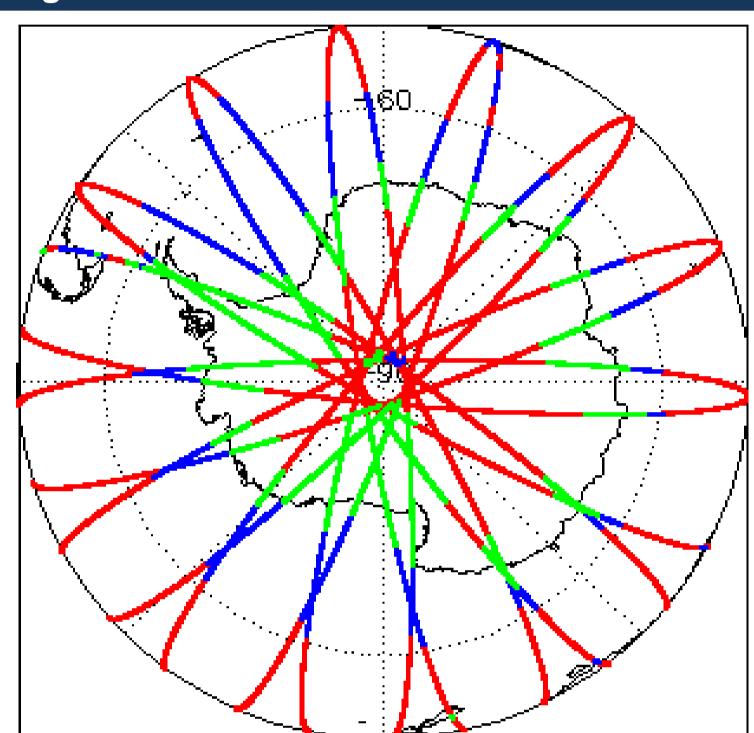
Report Production Date:	14-Jul-2021 CryoSat Ice Processor	
Processor Used:		
Data Used:	L1B and L2 OFFLINE Data	

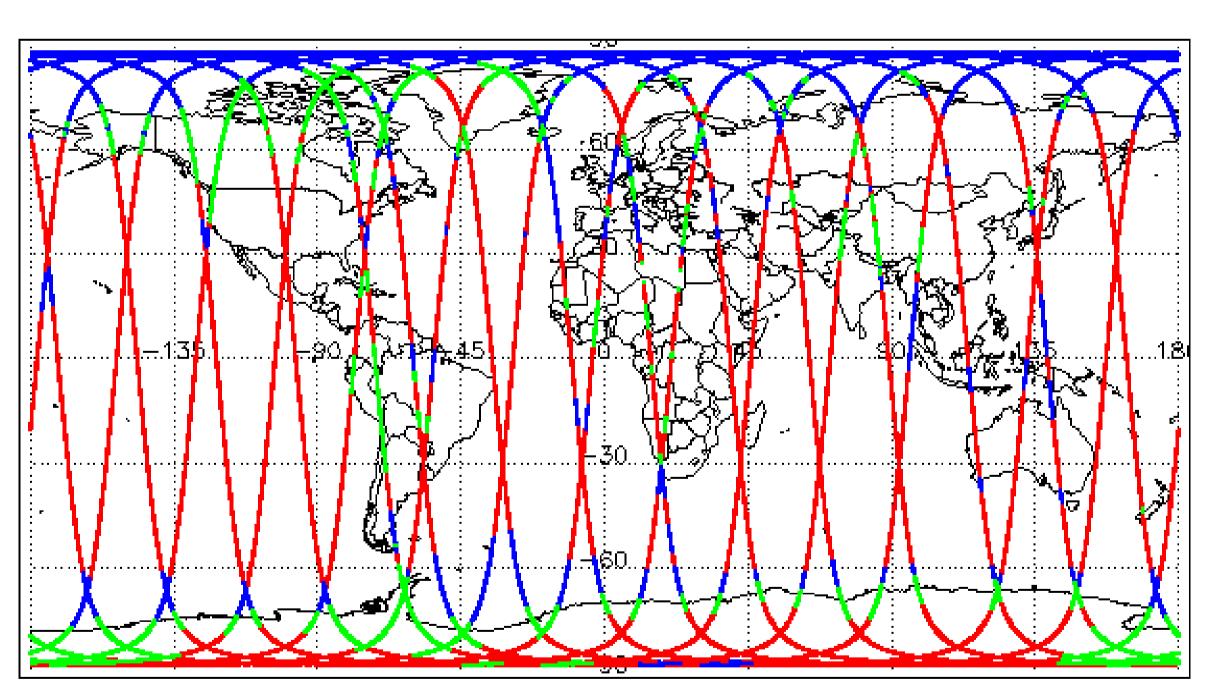
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check	See Section 4.5
L1B & L2 Auxiliary Data File Usage Check	Nominal
L1B & L2 Auxiliary Correction Error Check	Nominal
L1B & L2 Measurement Confidence Data Check	See Section 4.8 and 5.5
QCC Errors/ Warnings	See Section 6.1, 6.2 and 6.3

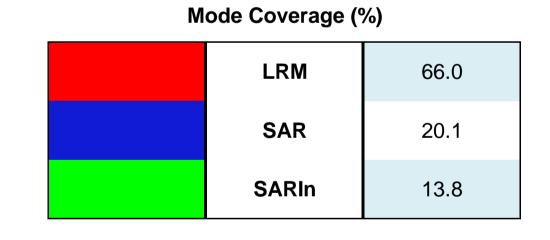
Mission / Instru	iment News
11-Jun-2021	None
12-Jun-2021	None
13-Jun-2021	Nothing planned

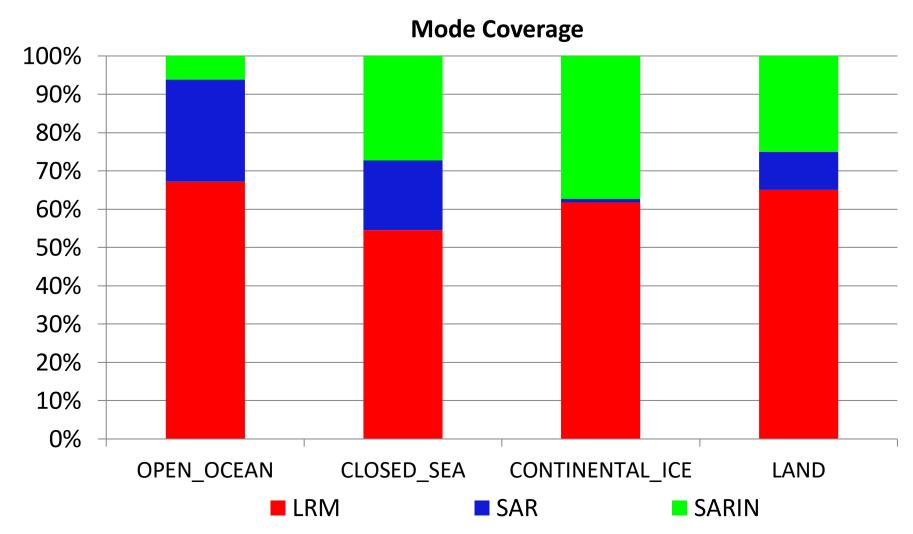
2. Global Coverage

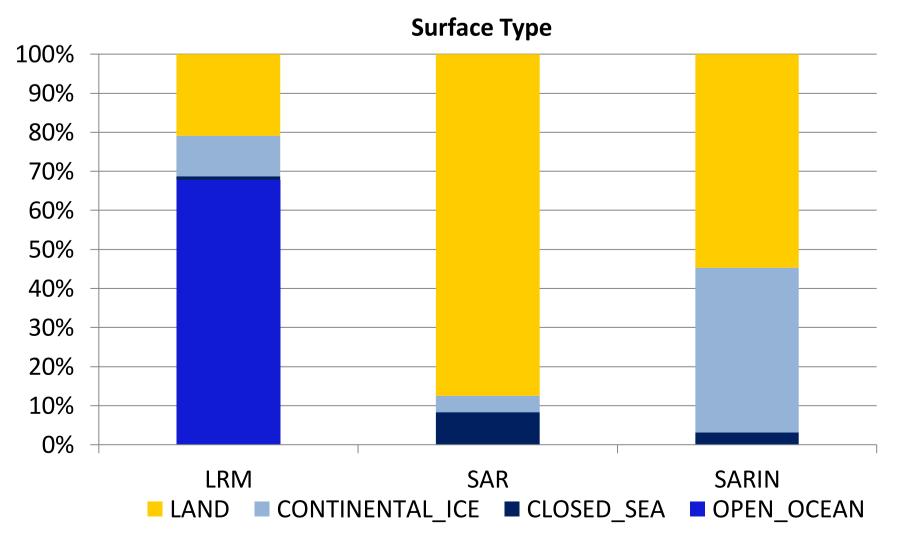












3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

0

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 Tracking Flags Check

CryoSat L1B data includes a tracking flag for each measurement record. The bit value of this flag indicates any problems when set.

Loss of Echo Flag: This flag is currently set for some products over land, but this is to be expected.

Number of products with errors:

105

0

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20210612T001155_20210612T001504_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T002503_20210612T002559_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T002602_20210612T002637_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T002639_20210612T002643_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210612T002647_20210612T002926_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210612T003455_20210612T003801_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T005408_20210612T010107_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T010110_20210612T010127_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T010130_20210612T010253_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T010255_20210612T010320_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T010626_20210612T010739_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T013359_20210612T013826_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T013847_20210612T014025_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T014527_20210612T020924_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T020926_20210612T020943_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T020946_20210612T021922_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T023635_20210612T023955_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210612T024012_20210612T024052_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T024055_20210612T024059_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T024447_20210612T030938_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T031747_20210612T032112_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T035313_20210612T035625_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T041408_20210612T041914_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210612T042004_20210612T042148_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T042150_20210612T042220_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T042223_20210612T042253_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210612T042256_20210612T042300_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T042304_20210612T044902_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T045645_20210612T050019_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T050441_20210612T053757_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T055205_20210612T055304_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T055521_20210612T055912_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T055934_20210612T060006_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T060551_20210612T061032_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T061034_20210612T061046_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T061103_20210612T061551_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T061657_20210612T061921_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T061925_20210612T061938_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T063149_20210612T063709_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T071943_20210612T071948_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T073702_20210612T073709_D001	Loss of echo	The tracking echo is missing for one or more records

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CS_OFFL_SIR_LRM_1B_20210612T073719_20210612T073836_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T073841_20210612T073853_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T073905_20210612T073927_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T074052_20210612T074556_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T081236_20210612T081610_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T082322_20210612T082810_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T082819_20210612T085943_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T095323_20210612T095517_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T100903_20210612T101447_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T101730_20210612T101941_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T102421_20210612T103050_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T103251_20210612T103849_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T105905_20210612T110821_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T111035_20210612T111334_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T111441_20210612T112548_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T113210_20210612T113433_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T114912_20210612T115610_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T115750_20210612T115914_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T115917_20210612T121250_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T121252_20210612T121317_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T121351_20210612T121934_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T123211_20210612T123318_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T123440_20210612T123752_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T124312_20210612T124757_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T130957_20210612T131838_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T135049_20210612T135117_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T135121_20210612T135407_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T135425_20210612T135709_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T141151_20210612T142055_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T142057_20210612T142217_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T142219_20210612T142225_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T142227_20210612T144540_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T150105_20210612T152459_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T152501_20210612T152656_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T152659_20210612T152706_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T152710_20210612T152913_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T153019_20210612T153314_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T153314_20210612T153530_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T155551_20210612T155630_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T163935_20210612T170556_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T170649_20210612T170757_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T170947_20210612T171028_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T171028_20210612T171101_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T171134_20210612T171306_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T171503_20210612T171554_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T181027_20210612T181544_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T182801_20210612T183432_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T183503_20210612T183806_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T183951_20210612T184135_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T184318_20210612T184459_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T192116_20210612T194234_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T201140_20210612T201852_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T201935_20210612T202414_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T204614_20210612T212128_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T222441_20210612T222950_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T222953_20210612T223004_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T223006_20210612T223024_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T223026_20210612T223107_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T223122_20210612T224348_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T224553_20210612T230049_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T231749_20210612T232809_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T232915_20210612T233140_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T233428_20210612T234648_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210612T234737_20210612T234916_D001	Loss of echo	The tracking echo is missing for one or more records

4.5 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:

Product	Test Failed	Description
CS_OFFL_SIR_SIN_1B_20210612T182757_20210612T182801_D001	Cal1 corr. missing	The Cal1 correction has not been applied

4.6 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

4.7 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:

4.8 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_20210612T042256_20210612T042300_D001	TECHO EFFOR TRK ECHO EFFOR	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_SIN_1B_20210612T182757_20210612T182801_D001	Cal1 Correction missing,	The Cal1 Correction has not been applied

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: 66

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220210612T000740_20210612T000841_D001	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_220210612T002647_20210612T002926_D001	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_220210612T003049_20210612T003438_D001	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_220210612T005408_20210612T010107_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210612T010255_20210612T010320_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210612T011414_20210612T013003_D001	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_220210612T014527_20210612T020924_D001	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_220210612T024447_20210612T030938_D001	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_220210612T032444_20210612T035148_D001	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_220210612T035313_20210612T035625_D001	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_220210612T042304_20210612T044902_D001	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_220210612T050441_20210612T053757_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210612T055102_20210612T055202_D001	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_220210612T055934_20210612T060006_D001	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_220210612T064401_20210612T070521_D001		There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220210612T070806_20210612T071829_D001	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_220210612T071943_20210612T071948_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210612T072910_20210612T073339_D001	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_220210612T073905_20210612T073927_D001	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_220210612T074926_20210612T075412_D001	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_220210612T075559_20210612T080627_D001	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_220210612T082322_20210612T082810_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210612T082819_20210612T085943_D001	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_220210612T091230_20210612T091947_D001	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_220210612T091953_20210612T094348_D001	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_220210612T100247_20210612T100809_D001	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_220210612T100903_20210612T101447_D001	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_220210612T101730_20210612T101941_D001	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_220210612T102421_20210612T103050_D001	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_220210612T105305_20210612T105839_D001	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_220210612T105905_20210612T110821_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records

As APPL 56 1847 APPLICATION OF 200 DETECTION OF PROPERTY OF THE PROPERTY OF TH	CS_OFFL_SIR_LRM_220210612T111441_20210612T112548_D001	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
### CFG OFF 38E 68 2 24 CHEST 128 (2016) 271020 128 CHEST 2016) CFG OFF 38E 78 CHEST 2016 CHEST 201	CS_OFFL_SIR_LRM_220210612T114912_20210612T115610_D001	, , , , , , , , , , , , , , , , , , , ,	
The BLINE 2 50000 97 2000 20100 97 2000 20100 97 2010 2010 97 2010 97 20	CS_OFFL_SIR_LRM_220210612T115917_20210612T121250_D001	Error (Retracker 2), Surface model	
Lend Stitlered 2 Co. OFF _ SRI _ Land 20000001 Leaf _ 20010011 Leaf _ 2	CS_OFFL_SIR_LRM_220210612T123211_20210612T123318_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
Cas OPPL SIR LEVE 2 20109177-05459 2001091710000 DDC1 Cas OPPL SIR LEVE 2 2010917-0559 2001001710000 DDC1 Cas OPPL SIR LEVE 2 2010917-0559 2001	CS_OFFL_SIR_LRM_220210612T123440_20210612T123752_D001	, , , , , , , , , , , , , , , , , , , ,	
Dis CRES 1881 1892 2 2015 (64071 6250 22015 (6711 6250 22015 (771 6250 2015 671 6250 12015 (771 6250 2015 671 6250 12015 (771 6250 2015 671 6250 12015 (771 6250 2015 671 6250 12015 (771 6250 2015 671 6250 12015 (771 6250 2015 671 6250 12015 (771 6250 2015 671 6250 12015 (771 6250 2015 671 6250 12015 (771 6250 2015 671 6250 12015 (771 6250 2015 671 6250 12015 671 6250 12015 671 6250 12015 671 671 671 671 671 671 671 671 671 671	CS_OFFL_SIR_LRM_220210612T123924_20210612T124149_D001	, ,	· ·
CS_OFF_SR_LRV_2_20016617137-31_20106_071-3259_0001 Perry (Remotator 2) Report Flow (Remotator 2) Remotator 2) Report Flow (Remotator 2) Report Flow (Remotator 2) Remotator 3) Remotator 2) Remotator 3) Remotator 3)	CS_OFFL_SIR_LRM_220210612T124312_20210612T124757_D001	(Retracker 3), Backscatter Error	
First (Manadard 7) CS OPH, SR LEW 2, 2021(61311-92792, 202109121192559, DOI CS OPH, SR LEW 2, 2021(61311-92792, 20210912119259, DOI CS OPH, SR LEW 2, 2021(61311-92792, 20210912119254, DOI CS OPH, SR LEW 2, 2021(613	CS_OFFL_SIR_LRM_220210612T125047_20210612T130625_D001	,	
Erro (Retrosor 2) Berro (CS_OFFL_SIR_LRM_220210612T132131_20210612T134329_D001	· · · · · · · · · · · · · · · · · · ·	
CS_OFFL_SR_LRAL2_20210512T152501_20210512T152550_D001 Surface Model Unavailable on more decoded. No DEM or Socie Model was seed for the obtained of the Robation of one of more records. No DEM or Socie Model was seed for the obtained of the Control of the Con	CS_OFFL_SIR_LRM_220210612T142227_20210612T144540_D001		
Height Error (Retractor 2). Backscatter Three is a height and backscatter error for Retractor 2 for one or more mounts. GS GFFL SIR LRM 2 202106127155750 202106127162411 DOI: Height Error (Retractor 2). Backscatter Three is a height and backscatter error for Retractor 2 for one or more mounts. GS_GFFL_SIR_LRM_2_202106127157589_20210612717058_DOI: Prof. (Retractor 2). Backscatter Three is a height and backscatter error for Retractor 2 for one or more records. GS_GFFL_SIR_LRM_2_202106127170589_20210612717075_DOI: Prof. (Retractor 2). Backscatter Three is a height and backscatter error for Retractor 2 for one or more records. GS_GFFL_SIR_LRM_2_202106127170589_20210612717055_DOI: Prof. (Retractor 2). Backscatter Firer (Retractor 2). Backscatter Fire	CS_OFFL_SIR_LRM_220210612T150105_20210612T152459_D001	(Retracker 3), Backscatter Error	Retracker 3 and no DEM or Slope Model was used for the location of one
Error (Retracker 2) records Error (Retracker 2) records Error (Retracker 2) Redescater records There is a neight and backscatter error for Retracker 2 for one or more records Error (Retracker 2) Redescater records There is a neight and backscatter error for Retracker 2 for one or more records Error (Retracker 2) Redescater records There is a neight and backscatter error for Retracker 2 for one or more records Error (Retracker 2) Redescater records There is a neight and backscatter error for Retracker 2 for one or more records Error (Retracker 2) Redescater records There is a neight and backscatter error for Retracker 2 and a height error for Retracker 2 and a height error for Retracker 2. Indight Error (Retracker 2) Redescater records Error (Re	CS_OFFL_SIR_LRM_220210612T152501_20210612T152656_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
Emir (Retracker 2) econds CS_OFFL_SIR_LRML2_20210912T196998_20210912T170556_D001 Find (Retracker 2) Backscatter Emir (Retracker 3) Backscatter Emir (Retracker 2) Backscatter Emir (Retr	CS_OFFL_SIR_LRM_220210612T155551_20210612T155630_D001	, ,	
Ersor (Retracker 2). CS_OFFL_SIR_LRM_2_20210612T170648_20210612T170757_D001 Ersor (Retracker 2), Backscatter Ersor (Retracker 3), Backscatter Ersor (Retracker 2),	CS_OFFL_SIR_LRM_220210612T155750_20210612T162411_D001	, , , , , , , , , , , , , , , , , , ,	
Error (Retracker 2) tecords CS_OFFL_SIR_LRM_2_20210612T171503_20210612T171554_D001 CS_OFFL_SIR_LRM_2_20210612T171503_20210612T171554_D001 CS_OFFL_SIR_LRM_2_20210612T172039_20210612T180302_D001 CS_OFFL_SIR_LRM_2_20210612T184318_20210612T184459_D001 CS_OFFL_SIR_LRM_2_20210612T184318_20210612T184459_D001 CS_OFFL_SIR_LRM_2_20210612T184318_20210612T184459_D001 CS_OFFL_SIR_LRM_2_20210612T184318_20210612T18459_D001 CS_OFFL_SIR_LRM_2_20210612T184318_20210612T18459_D001 CS_OFFL_SIR_LRM_2_20210612T184318_20210612T18459_D001 CS_OFFL_SIR_LRM_2_20210612T184318_20210612T185707_D001 CS_OFFL_SIR_LRM_2_20210612T184318_20210612T185707_D001 CS_OFFL_SIR_LRM_2_20210612T184318_20210612T185707_D001 CS_OFFL_SIR_LRM_2_20210612T1850703_20210612T19430_D001 CS_OFFL_SIR_LRM_2_20210612T1850703_20210612T19430_D001 CS_OFFL_SIR_LRM_2_20210612T195070 20210612T19430_D001 CS_OFFL_SIR_LRM_2_20210612T19507 20210612T19434_D001 CS_OFFL_SIR_LRM_2_20210612T19507 20210612T200862_D001 CS_OFFL_SIR_LRM_2_20210612T19507 20210612T200862_D001 CS_OFFL_SIR_LRM_2_20210612T201140_20210612T200852_D001 CS_OFFL_SIR_LRM_2_20210612T201140_20210612T200852_D001 CS_OFFL_SIR_LRM_2_20210612T201140_20210612T200852_D001 CS_OFFL_SIR_LRM_2_20210612T201140_20210612T200852_D001 CS_OFFL_SIR_LRM_2_20210612T201140_20210612T200852_D001 CS_OFFL_SIR_LRM_2_20210612T201140_20210612T200414_D001 CS_OFFL_SIR_LRM_2_20210612T201140_20210612T200414_D001 CS_OFFL_SIR_LRM_2_20210612T201140_20210612T200414_D001 CS_OFFL_SIR_LRM_2_20210612T201140_20210612T200414_D001 CS_OFFL_SIR_LRM_2_20210612T201140_20210612T200414_D001 CS_OFFL_SIR_LRM_2_20210612T201403_20210612T200414_D001 CS_OFFL_SIR_LRM_2_20210612T201403_20210612T200414_D001 CS_OFFL_SIR_LRM_2_20210612T20414_20210612T200414_D001 CS_OFFL_SIR_LRM_2_20210612T20414_20210612T200414_D001 CS_OFFL_SIR_LRM_2_20210612T20414_20210612T200414_D001 CS_OFFL_SIR_LRM_2_20210612T20414_20210612T200414_D001 CS_OFFL_SIR_LRM_2_20210612T20414_20210612T200414_D001 CS_OFFL_SIR_LRM_2_20210612T20414_20210612T200414_D001 CS_OFFL_SIR_LRM	CS_OFFL_SIR_LRM_220210612T163935_20210612T170556_D001	, , , , , , , , , , , , , , , , , , , ,	
GS_OFFL_SIR_LRM_2_20210612T17503_20210612T180322_D001 Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3) and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20210612T184318_20210612T184459_D001 CS_OFFL_SIR_LRM_2_20210612T184318_20210612T184459_D001 CS_OFFL_SIR_LRM_2_20210612T185313_20210612T185707_D001 CS_OFFL_SIR_LRM_2_20210612T185313_20210612T185707_D001 CS_OFFL_SIR_LRM_2_20210612T190733_20210612T191830_D001 CS_OFFL_SIR_LRM_2_20210612T190733_20210612T194234_D001 CS_OFFL_SIR_LRM_2_20210612T192116_20210612T194234_D001 CS_OFFL_SIR_LRM_2_20210612T192116_20210612T194234_D001 CS_OFFL_SIR_LRM_2_20210612T192116_20210612T194234_D001 CS_OFFL_SIR_LRM_2_20210612T195907_20210612T200952_D001 Error (Retracker 2), Backscatter Error (CS_OFFL_SIR_LRM_220210612T170649_20210612T170757_D001	,	
(Retracker 2) (Retracker 2) (Retracker 2) (Retracker 2) (Retracker 3) (Retracker 2) (Retracker 3) (Retracker 3) (Retracker 2) (Retracker 3) (R	CS_OFFL_SIR_LRM_220210612T171503_20210612T171554_D001	(Retracker 3), Backscatter Error	
Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20210612T185313_20210612T185707_D001	CS_OFFL_SIR_LRM_220210612T172939_20210612T180322_D001	(Retracker 3), Backscatter Error	· · · · · · · · · · · · · · · · · · ·
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20210612T190733_20210612T191830_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) and a height error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Surface model unavailable CS_OFFL_SIR_LRM_2_20210612T204614_20210612T212128_D001 Height Error (Retracker 2), Backscatter Err	CS_OFFL_SIR_LRM_220210612T184318_20210612T184459_D001		
Error (Retracker 2) Height Error (Retracker 3), Backscatter Error (Retracker 3 for one or more records 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 records 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 records 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 records 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 records There is a height and backscatter error for Retracker 2 and a height error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3 for one or more records 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 and 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 and 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 records 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 records 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 records	CS_OFFL_SIR_LRM_220210612T185313_20210612T185707_D001	· · · · · · · · · · · · · · · · · · ·	
CS_OFFL_SIR_LRM_2_20210612T192116_20210612T194234_D001 CS_OFFL_SIR_LRM_2_20210612T195907_20210612T200952_D001 Height Error (Retracker 2), Backscatter Error (Retracker 3 for one or more records 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 records 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 records There is a height and backscatter error for Retracker 2 and a height error (Retracker 2). Backscatter Error (Retracker 3 for one or more records CS_OFFL_SIR_LRM_2_20210612T201935_20210612T202414_D001 CS_OFFL_SIR_LRM_2_20210612T204614_20210612T212128_D001 Height Error (Retracker 2), Backscatter Error (Retracker 3 for one or more records 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 and 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 and 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 records 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 records 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 records	CS_OFFL_SIR_LRM_220210612T190733_20210612T191830_D001	, , , , , , , , , , , , , , , , , , , ,	
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20210612T201140_20210612T201852_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) CS_OFFL_SIR_LRM_2_20210612T201935_20210612T202414_D001 CS_OFFL_SIR_LRM_2_20210612T201935_20210612T202414_D001 CS_OFFL_SIR_LRM_2_20210612T204614_20210612T212128_D001 CS_OFFL_SIR_LRM_2_20210612T204614_20210612T212128_D001 Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3) for one or more records There is a height and backscatter error for Retracker 2 and a height error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Surface model unavailable CS_OFFL_SIR_LRM_2_20210612T214031_20210612T221041_D001 Height Error (Retracker 2), Backscatter Error (Retracker	CS_OFFL_SIR_LRM_220210612T192116_20210612T194234_D001	(Retracker 3), Backscatter Error	
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20210612T201935_20210612T202414_D001 CS_OFFL_SIR_LRM_2_20210612T201935_20210612T202414_D001 CS_OFFL_SIR_LRM_2_20210612T204614_20210612T212128_D001 CS_OFFL_SIR_LRM_2_20210612T204614_20210612T212128_D001 CS_OFFL_SIR_LRM_2_20210612T204614_20210612T212128_D001 CS_OFFL_SIR_LRM_2_20210612T204614_20210612T212128_D001 CS_OFFL_SIR_LRM_2_20210612T214031_20210612T21041_D001 Error (Retracker 2), Height Error (Retracker 2), Backscatter Error for Retracker 2 and 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 records 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 records 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 records 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 records	CS_OFFL_SIR_LRM_220210612T195907_20210612T200952_D001	, ,	
CS_OFFL_SIR_LRM_2_20210612T201935_20210612T202414_D001 (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Surface model unavailable CS_OFFL_SIR_LRM_2_20210612T204614_20210612T212128_D001 CS_OFFL_SIR_LRM_2_20210612T214031_20210612T221041_D001 Height Error (Retracker 2), Backscatter Error (Retrack	CS_OFFL_SIR_LRM_220210612T201140_20210612T201852_D001	, , , , , , , , , , , , , , , , , , , ,	
CS_OFFL_SIR_LRM_2_20210612T204614_20210612T212128_D001 Error (Retracker 2), Surface model unavailable Height Error (Retracker 2), Backscatter Error for Retracker 2 and no DEM of 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 records 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 records 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 records	CS_OFFL_SIR_LRM_220210612T201935_20210612T202414_D001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_220210612T214031_20210612T221041_D001 Error (Retracker 2) Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more	CS_OFFL_SIR_LRM_220210612T204614_20210612T212128_D001	Error (Retracker 2), Surface model	
US DEEL SIR LRIVI / 707106171777441 70710617177950 DOOL	CS_OFFL_SIR_LRM_220210612T214031_20210612T221041_D001	, , , , , , , , , , , , , , , , , , , ,	
	CS_OFFL_SIR_LRM_220210612T222441_20210612T222950_D001	, , , , , , , , , , , , , , , , , , , ,	

CS_OFFL_SIR_LRM_220210612T223026_20210612T223107_D001	Height Error (Retracker 3)	There is a height error for Retracker 3 for one or more records	
CS_OFFL_SIR_LRM_220210612T223122_20210612T224348_D001	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_220210612T224553_20210612T230049_D001	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_220210612T231749_20210612T232809_D001	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_220210612T233428_20210612T234648_D001	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_220210612T234737_20210612T234916_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records	
CS_OFFL_SIR_SIN_220210612T182757_20210612T182801_D001	Calibration Warning	The Calibration correction is missing or has been taken from the IPFDB instead of the Calibration products 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	160	160	160	0	0
SIR_SAR_1B	132	132	132	0	0
SIR_SIN_1B	123	123	123	0	0
SIR_LRM_2	160	160	153	7	0
SIR_SAR_2	123	131	131	0	0
SIR_SIN_2	131	123	121	2	0
SIR_GDR_2	15	15	0	0	15

6.1 QCC Errors

Number of products with QCC errors:

15

Product Type	MPHDUTNCDF	MPHXPFNCDF	MPHXVFNCDF	MPHYPFNCDF	MPHYVFNCDF	MPHZPFNCDF	MPHZVFNCDF	-	•	-	-
SIR_GDR_2_	15	15	15	15	15	15	15	-			

Test Description Key:						
Abbreviation	Test name	Details				
MPHDUTNCDF	MPH_Delta_UT1_NetCDF	Delta_UT1 mismatch				
MPHXPFNCDF	MPH_X_Position_Float_v2_NetCDF	X_Position mismatch (DBL float (GDR), rounded to 100)				
MPHXVFNCDF	MPH_X_Velocity_Float_v2_NetCDF	X_Velocity mismatch (DBL float (GDR), rounded to 1)				
MPHYPFNCDF	MPH_Y_Position_Float_v2_NetCDF	Y_Position mismatch (DBL float (GDR), rounded to 100)				
MPHYVFNCDF	MPH_Y_Velocity_Float_v2_NetCDF	Y_Velocity mismatch (DBL float (GDR), rounded to 1)				
MPHZPFNCDF	MPH_Z_Position_Float_v2_NetCDF	Z_Position mismatch (DBL float (GDR), rounded to 100)				
MPHZVFNCDF	MPH_Z_Velocity_Float_v2_NetCDF	Z_Velocity mismatch (DBL float (GDR), rounded to 1)				

6.2 QCC Warnings

Number of QCC reports with warnings

10

Total number of occurrences of each warning	a
Total Hamber of occurrences of each warring	3

Product Type	AXDME	AXSMMEOCI	-	-	-	-
SIR_GDR_2_	0	1				
SIR_LRM_2_	0	7				

Test Description Key:						
Abbreviation	Test name	Details				
AXDME	AttributeXrefDemMustExist	The xref_dem attribute is mandatory in SIN products over continental ice				
AXSMMEOCI	AttributeXrefSlopeModelMustExistOverContinentalIce	The xref_slope_model is mandatory in LRM products over continental ice				

6.2 Missing QCC Reports

Number of products with missing QCC reports:

1

Product name

CS_OFFL_SIR_GDR_2__20210612T233323_20210613T011237_D002