

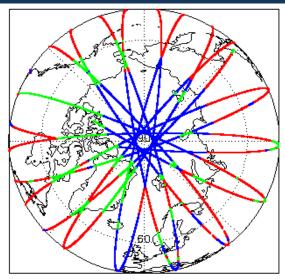
1. Overview

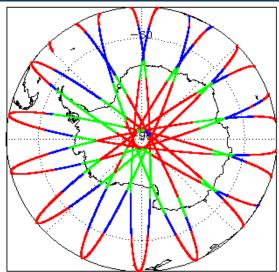
Report Production Date:	03-Nov-2020
Processor Used:	CryoSat Ice Processor
Data Used:	L1B and L2 OFFLINE Data

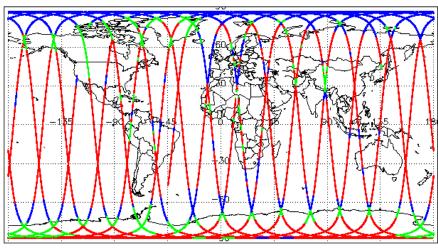
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check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

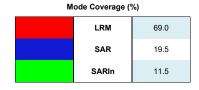
Mission / Instrument News					
10-Sep-2020	None				
11-Sep-2020	None				
12-Sep-2020	Nothing planned				

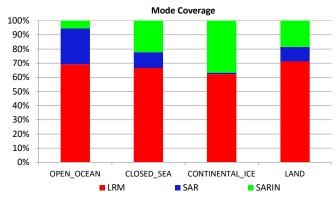
2. Global Coverage

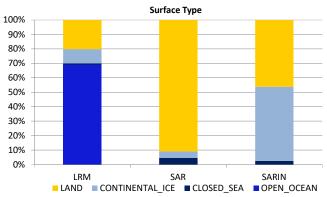












3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

4. Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

0

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:

0

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:

٩n

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20200911T000032_20200911T000410_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T000414_20200911T000622_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T003833_20200911T003935_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T003937_20200911T003941_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T003943_20200911T005311_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T011730_20200911T012403_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T012542_20200911T012704_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T012707_20200911T012708_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T012711_20200911T012713_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T012715_20200911T012721_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T012724_20200911T012729_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T012731_20200911T014130_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T014216_20200911T014624_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T015927_20200911T020206_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T020238_20200911T020947_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T021110_20200911T021321_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T021426_20200911T021521_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T021527_20200911T021527_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T021530_20200911T021536_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T021539_20200911T021555_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T023800_20200911T024631_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T031640_20200911T031723_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T031837_20200911T031921_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T031938_20200911T032621_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T033724_20200911T034500_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T034708_20200911T034910_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T034912_20200911T041326_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T043230_20200911T045317_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T045319_20200911T045355_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T045501_20200911T045706_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T045812_20200911T050440_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T060836_20200911T063456_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T063459_20200911T063502_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T063504_20200911T063540_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T063746_20200911T063855_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T063928_20200911T064108_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T064233_20200911T064353_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T075419_20200911T075818_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T075924_20200911T080245_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T080336_20200911T080559_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T081112_20200911T081238_D001	Loss of echo	The tracking echo is missing for one or more records

CC OFFI CID LDM 4D 20200044T004656 20200044T004706 D004	l and of asks	The American cohe is unicoing for one or more processed
CS_OFFL_SIR_LRM_1B_20200911T081656_20200911T081706_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T081716_20200911T081817_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T093932_20200911T094542_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T094726_20200911T095206_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T101418_20200911T104856_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T115246_20200911T121316_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T121349_20200911T122839_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T124559_20200911T125602_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T125708_20200911T125951_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T130221_20200911T131811_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T133127_20200911T135212_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T142339_20200911T144559_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T144721_20200911T145859_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T151011_20200911T151755_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T151852_20200911T151929_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T155119_20200911T155454_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T160220_20200911T162839_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T162841_20200911T162908_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T162911_20200911T162915_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T162919_20200911T163001_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T164852_20200911T165235_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T165248_20200911T165937_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T165939_20200911T165940_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T165943_20200911T165946_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T170101_20200911T170204_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T170206_20200911T172529_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T173416_20200911T173743_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T182715_20200911T183426_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T183459_20200911T183643_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T183742_20200911T183757_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T183802_20200911T184339_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T184341_20200911T184649_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T184651_20200911T184658_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T184700_20200911T184826_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20200911T184828 20200911T184924 D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20200911T184956 20200911T185150 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T185152_20200911T185603_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T192227_20200911T195434_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T200936_20200911T200944_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T201314_20200911T201443_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T201458_20200911T201555_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20200911T201917 20200911T202043 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T202226_20200911T202651_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20200911T202715 20200911T204257 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202009111202713_202009111213603_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202009117215013_202009117215003_20001 CS_OFFL_SIR_LRM_1B_202009117215814_202009117220249_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_202009111213014_202009111220249_0001 CS_OFFL_SIR_LRM_IB_202009111220331_202009111222106_0001	Loss of echo	
		The tracking echo is missing for one or more records The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200911T224024_20200911T231602_D001 CS_OFFL_SIR_LRM_1B_20200911T234758_20200912T000123_D001	Loss of echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records
30_011 E_0111_E11W1_1D_202009111294130_202009121000123_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.

0

Number of products with errors:

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:

0

4.8 L1B Measurement Confidence Data Check

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.

4

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_20200911T045812_20200911T050440_D001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20200911T115246_20200911T121316_D001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20200911T151011_20200911T151755_D001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20200911T201458_20200911T201555_D001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

5. Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors: 0

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:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_2_20200911T002048_20200911T002636_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_2_20200911T002802_20200911T003619_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_2_20200911T003943_20200911T005311_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_2_20200911T011730_20200911T012403_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_2_20200911T012542_20200911T012704_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_2_20200911T012731_20200911T014130_D001		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_2_20200911T015600_20200911T015711_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_2_20200911T015927_20200911T020206_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_2_20200911T020238_20200911T020947_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_2_20200911T021110_20200911T021321_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

Principle Conce (Retroader 2), Respectively from Particles 2 for the or more received 2 and a height of the Retroader 3 (Respectively Respectively R	CC OFFI CID I DM 2 20000044T004406 20000044T004504 D004	Surface Model Unavailable	No DEM or Close Model was used freshed castian of one or more according
CB_OFFL_SIR_LEM_2_DO00911T00092_D00091 CB_OFFL_SIR_LEM_2_D000911T00092_D00091 CB_OFFL_SIR_LEM_2_D000911T00092_D00091 CB_OFFL_SIR_LEM_2_D000911T00092_D00091 CB_OFFL_SIR_LEM_2_D000911T00092_D00091 CB_OFFL_SIR_LEM_2_D000911T00092_D00091T000092_D00091 CB_OFFL_SIR_LEM_2_D000991T000092_D00091T000092_D00091 CB_OFFL_SIR_LEM_2_D000991T000092_D00091T00000092_D00091T0000092_D00091T0000092_D00091T00000092_D00091T	CS_OFFL_SIR_LRM_220200911T021426_20200911T021521_D001	·	No DEM or Slope Model was used for the location of one or more records
CS. OFFL_SIR_LEM_2_200009117034292_20009117034590_D001 File Enric (Relander 2). Bedeeader cross security and backsoatter error for Petracter 2 for one or more records. There is a height and backsoatter error for Petracter 2 for one or more records. There is a height and backsoatter error for Petracter 2 for one or more records. There is a height and backsoatter error for Petracter 2 for one or more records. There is a height and backsoatter error for Petracter 2 for one or more records. There is a height and backsoatter error for Petracter 2 for one or more records. There is a height and backsoatter error for Petracter 2 for one or more records. There is a height and backsoatter error for Petracter 2 for one or more records. There is a height and backsoatter error for Petracter 2 for one or more records. There is a height and backsoatter error for Petracter 2 for one or more records. There is a height and backsoatter error for Petracter 2 for one or more records. There is a height and backsoatter error for Petracter 2 for one or more records. There is a height and backsoatter error for Petracter 2 for one or more records. There is a height and backsoatter error for Petracter 2 and a height and backsoatter error for Petracter 2 and a height and backsoatter error for Petracter 2 and a height and backsoatter error for Petracter 2 and a height and backsoatter error for Petracter 2 and a height and backsoatter error for Petracter 2 and a height and backsoatter error for Petracter 2 and a height and backsoatter error for Petracter 2 and a height and backsoatter error for Petracter 2 and a height and backsoatter error for Petracter 2 and a height and backsoatter error for Petracter 2 and a height and backsoatter error for Petracter 2 and a height and backsoatter error for Petracter 2 for one or more records. CS. OFFL SIR LEMI 2 20000911708092 20000911708092 D001 CS. OFFL SIR LEMI 2 20000911708092 20000911708092 D001 CS. OFFL SIR LEMI 2 20000911708092 20000911708092 D001 CS. OFFL SIR LEMI 2 2000091170	CS_OFFL_SIR_LRM_2_20200911T025005_20200911T031132_D001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
Error (Retracter 2). Backscatter cries is a beight and backscatter error for Retracter 2 for one or more records. There is a beight and backscatter error for Retracter 2 for one or more records. There is a beight and backscatter error for Retracter 2 for one or more records. There is a beight and backscatter error for Retracter 2 for one or more records. There is a beight and backscatter error for Retracter 2 for one or more records. There is a beight and backscatter error for Retracter 2 for one or more records. There is a beight and backscatter error for Retracter 2 for one or more records. There is a beight and backscatter error for Retracter 2 for one or more records. There is a beight and backscatter error for Retracter 2 for one or more records. There is a beight and backscatter error for Retracter 2 for one or more records. There is a beight and backscatter error for Retracter 2 for one or more records. There is a beight and backscatter error for Retracter 2 for one or more records. There is a beight and backscatter error for Retracter 2 for one or more records. There is a beight and backscatter error for Retracter 2 and a height or Retracter 3 for one or more records. There is a beight and backscatter error for Retracter 2 and a height or Retracter 3 for one or more records. There is a beight and backscatter error for Retracter 2 and a height or Retracter 3 for one or more records. There is a beight and backscatter error for Retracter 2 and a height or Retracter 3 for one or more records. There is a beight and backscatter error for Retracter 2 and a height or Retracter 3 for one or more records. There is a beight and backscatter error for Retracter 2 and a height or Retracter 3 for one or more records. There is a beight and backscatter error for Retracter 2 for one or more records. There is a beight and backscatter error for Retracter 2 for one or more records. There is a beight and backscatter error for Retracter 2 for one or more records. There is a beight and backscatter error f	CS_OFFL_SIR_LRM_220200911T031938_20200911T032621_D001		There is a height and backscatter error for Retracker 2 for one or more records
Error (Retracker 2) recods CS_OFFL_SR_LRNL_2_20200911T045312_20200911T045312_20200911T055440_D001 Error (Retracker 2) Backscatter records record records record records records records records records records records reco	CS_OFFL_SIR_LRM_220200911T033724_20200911T034500_D001		There is a height and backscatter error for Retracker 2 for one or more records
Error (Retracter 2), Backscatter	CS_OFFL_SIR_LRM_220200911T034912_20200911T041326_D001		There is a height and backscatter error for Retracker 2 for one or more records
Error (Retracker 2) Service (Retracker 2) S	CS_OFFL_SIR_LRM_220200911T043230_20200911T045317_D001		There is a height and backscatter error for Retracker 2 for one or more records
Emor (Retracker 2) CS_OFFL_SIR_LRM_2_20200911T060836_2020091T1063455_D001 CS_OFFL_SIR_LRM_2_2020091T060838_2020091T1063455_D001 CS_OFFL_SIR_LRM_2_2020091T064233_2020091T1064635_D001 CS_OFFL_SIR_LRM_2_2020091T064400_2020091T064635_D001 CS_OFFL_SIR_LRM_2_2020091T064400_2020091T064635_D001 CS_OFFL_SIR_LRM_2_2020091T064701_2020091T073045_D001 CS_OFFL_SIR_LRM_2_2020091T086751_2020091T083655_D001 CS_OFFL_SIR_LRM_2_2020091T083742_2020091T083655_D001 CS_OFFL_SIR_LRM_2_2020091T083742_2020091T083655_D001 CS_OFFL_SIR_LRM_2_2020091T083742_2020091T083655_D001 CS_OFFL_SIR_LRM_2_2020091T083742_2020091T093745_D001 CS_OFFL_SIR_LRM_2_2020091T083742_2020091T093745_D001 CS_OFFL_SIR_LRM_2_2020091T083742_2020091T093745_D001 CS_OFFL_SIR_LRM_2_2020091T083792_2020091T093745_D001 CS_OFFL_SIR_LRM_2_2020091T083792_2020091T093745_D001 CS_OFFL_SIR_LRM_2_2020091T093932_2020091T094642_D001 CS_OFFL_SIR_LRM_2_2020091T093932_2020091T094642_D001 CS_OFFL_SIR_LRM_2_2020091T093932_2020091T094642_D001 CS_OFFL_SIR_LRM_2_2020091T093932_2020091T094642_D001 CS_OFFL_SIR_LRM_2_2020091T093932_2020091T094642_D001 CS_OFFL_SIR_LRM_2_2020091T093932_2020091T1094642_D001 CS_OFFL_SIR_LRM_2_2020091T1094726_2020091T1094642_D001 CS_OFFL_SIR_LRM_2_2020091T1094726_2020091T10946	CS_OFFL_SIR_LRM_220200911T045812_20200911T050440_D001		There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20200911T06433_20200911T06433_D001 CS_OFFL_SIR_LRM_2_20200911T06400_20200911T064022_D001 CS_OFFL_SIR_LRM_2_20200911T06400_20200911T064022_D001 CS_OFFL_SIR_LRM_2_2020091T06400_2020091T064022_D001 CS_OFFL_SIR_LRM_2_2020091T06400_2020091T064022_D001 CS_OFFL_SIR_LRM_2_2020091T065751_2020091T073045_D001 CS_OFFL_SIR_LRM_2_2020091T087119_2020091T083055_D001 CS_OFFL_SIR_LRM_2_2020091T083142_2020091T083055_D001 CS_OFFL_SIR_LRM_2_2020091T083702_2020091T083055_D001 CS_OFFL_SIR_LRM_2_2020091T083702_2020091T093055_D001 CS_OFFL_SIR_LRM_2_2020091T083702_2020091T093055_D001 CS_OFFL_SIR_LRM_2_2020091T083702_2020091T093055_D001 CS_OFFL_SIR_LRM_2_2020091T083702_2020091T094027_D001 CS_OFFL_SIR_LRM_2_2020091T083702_2020091T094027_D001 CS_OFFL_SIR_LRM_2_2020091T083702_2020091T094027_D001 CS_OFFL_SIR_LRM_2_2020091T083702_2020091T094027_D001 CS_OFFL_SIR_LRM_2_2020091T093702_2020091T094027_D001 CS_OFFL_SIR_LRM_2_2020091T093702_2020091T094027_D001 CS_OFFL_SIR_LRM_2_2020091T093702_2020091T094027_D001 CS_OFFL_SIR_LRM_2_2020091T093702_2020091T094027_D001 CS_OFFL_SIR_LRM_2_2020091T093702_2020091T094027_D001 CS_OFFL_SIR_LRM_2_2020091T094726_2020091T093745_D001 CS_OFFL_SIR_LRM_2_2020091T094726_2020091T1093745_D001 CS_OFFL_SIR_LRM_2_2020091T1093732_2020091T1094542_D001 CS_OFFL_SIR_LRM_2_2020091T1093732_2020091T1094542_D001 CS_OFFL_SIR_LRM_2_2020091T1094726_2020091T1095206_D001 CS_OFFL_SIR_LRM_2_2020091T1094726_2020091T1095206_D001 CS_OFFL_SIR_LRM_2_2020091T1094726_2020091T1095206_D001 CS_OFFL_SIR_LRM_2_2020091T1094726_2020091T1094542_D001 CS_OFFL_SIR_LRM_2_2020091T1094726_2020091T1094542_D001 CS_OFFL_SIR_LRM_2_2020091T1094726_2020091T1094542_D001 CS_OFFL_SIR_LRM_2_2020091T1094726_2020091T1094542_D001 CS_OFFL_SIR_LRM_2_2020091T10947426_2020091T1094542_D001 CS_OFFL_SIR_LRM_2_2020091T10947426_2020091T1094542_D001 CS_OFFL_SIR_LRM_2_2020091T10947426_2020091T1094542_D001 CS_OFFL_SIR_LRM_2_2020091T10947426_2020091T1094542_D001 CS_OFFL_SIR_LRM_2_2020091T10947426_2020091T1094542_D001 CS_OFFL_SIR_LR	CS_OFFL_SIR_LRM_220200911T052622_20200911T055142_D001		There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20200911T064203_20200911T06422_D001 Referacker 3, Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Backsca	CS_OFFL_SIR_LRM_220200911T060836_20200911T063456_D001	(Retracker 3), Backscatter 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_2_20200911T06402_20200911T073045_D001 CS_OFFL_SIR_LRM_2_20200911T065751_20200911T073045_D001 CS_OFFL_SIR_LRM_2_20200911T082119_20200911T082524_D001 CS_OFFL_SIR_LRM_2_20200911T082119_20200911T082524_D001 CS_OFFL_SIR_LRM_2_20200911T083542_20200911T083655_D001 CS_OFFL_SIR_LRM_2_20200911T083542_20200911T083655_D001 CS_OFFL_SIR_LRM_2_20200911T083702_20200911T084627_D001 CS_OFFL_SIR_LRM_2_20200911T084913_20200911T0946427_D001 CS_OFFL_SIR_LRM_2_20200911T084913_20200911T093745_D001 CS_OFFL_SIR_LRM_2_20200911T083332_20200911T093745_D001 CS_OFFL_SIR_LRM_2_20200911T083332_20200911T094542_D001 CS_OFFL_SIR_LRM_2_20200911T083332_20200911T094542_D001 CS_OFFL_SIR_LRM_2_20200911T094726_20200911T095206_D001 CS_OFFL_SIR_LRM_2_20200911T094726_20200911T095206_D001 CS_OFFL_SIR_LRM_2_20200911T094726_20200911T095206_D001 CS_OFFL_SIR_LRM_2_20200911T094726_20200911T094542_D001 CS_OFFL_SIR_LRM_2_20200911T094726_20200911T094542_D001 CS_OFFL_SIR_LRM_2_20200911T094726_20200911T094542_D001 CS_OFFL_SIR_LRM_2_20200911T094726_20200911T094542_D001 CS_OFFL_SIR_LRM_2_20200911T094726_20200911T09506_D001 CS_OFFL_SIR_LRM_2_20200911T094726_20200911T09506_D001 CS_OFFL_SIR_LRM_2_20200911T094726_20200911T109506_D001 CS_OFFL_SIR_LRM_2_20200911T094726_20200911T109506_D001 CS_OFFL_SIR_LRM_2_2020091T1094726_20200911T109506_D001 CS_OFFL_SIR_LRM_2_2020091T1094726_2020091T113919_D001 CS_OFFL_SIR_LRM_2_2020091T110825_2020091T113919_D001 CS_OFFL_SIR_LRM_2_2020091T110825_2020091T113919_D001 CS_OFFL_SIR_LRM_2_2020091T1110825_2020091T113919_D001 CS_OFFL_SIR_LRM_2_2020091T1110825_2020091T113919_D001 CS_OFFL_SIR_LRM_2_2020091T1110825_2020091T113919_D001 CS_OFFL_SIR_LRM_2_2020091T1110825_2020091T113919_D001 CS_OFFL_SIR_LRM_2_2020091T1110825_2020091T113919_D001 CS_OFFL_SIR_LRM_2_2020091T1110825_2020091T113919_D001 CS_OFFL_SIR_LRM_2_2020091T1110825_2020091T113919_D001 CS_OFFL_SIR_LRM_2_2020091T110825_2020091T113919_D001 CS_OFFL_SIR_LRM_2_2020091T1110825_2020091T113919_D001 CS_OFFL_SIR_LRM_2_2020091T110825_2020091T113919	CS_OFFL_SIR_LRM_220200911T064233_20200911T064353_D001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20200911T082119_20200911T082524_D001	CS_OFFL_SIR_LRM_220200911T064400_20200911T064622_D001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20200911T083542_20200911T083655_D001 Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracke	CS_OFFL_SIR_LRM_220200911T065751_20200911T073045_D001		There is a height and backscatter error for Retracker 2 for one or more records
Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Er	CS_OFFL_SIR_LRM_220200911T082119_20200911T082524_D001		There is a height and backscatter error for Retracker 2 for one or more records
Error (Retracker 2) Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3 for one or more records CS_OFFL_SIR_LRM_2_20200911T092810_20200911T093745_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 (Retracker 2). Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2). Backscatter Error (Retracker 3). Backscatter	CS_OFFL_SIR_LRM_220200911T083542_20200911T083655_D001		There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20200911T094913_20200911T09475_D001 CS_OFFL_SIR_LRM_2_20200911T093932_20200911T094542_D001 CS_OFFL_SIR_LRM_2_20200911T093932_20200911T095206_D001 CS_OFFL_SIR_LRM_2_20200911T094726_20200911T095206_D001 CS_OFFL_SIR_LRM_2_20200911T094726_20200911T094726_D001 CS_OFFL_SIR_LRM_2_20200911T094726_20200911T095206_D001 CS_OFFL_SIR_LRM_2_20200911T094726_20200911T095206_D001 CS_OFFL_SIR_LRM_2_20200911T094726_20200911T095206_D001 CS_OFFL_SIR_LRM_2_20200911T094726_20200911T095206_D001 CS_OFFL_SIR_LRM_2_20200911T10418_20200911T104856_D001 CS_OFFL_SIR_LRM_2_20200911T10418_20200911T104856_D001 CS_OFFL_SIR_LRM_2_20200911T10418_20200911T104856_D001 CS_OFFL_SIR_LRM_2_20200911T104456_D001 CS_OFFL_SIR_LRM_2_20200911T104456_D001 CS_OFFL_SIR_LRM_2_20200911T104456_D001 CS_OFFL_SIR_LRM_2_20200911T110456_20200911T113919_D001 CS_OFFL_SIR_LRM_2_20200911T115246_20200911T112316_D001 CS_OFFL_SIR_LRM_2_20200911T115246_20200911T112316_D001 CS_OFFL_SIR_LRM_2_20200911T115246_20200911T112316_D001 CS_OFFL_SIR_LRM_2_20200911T115246_20200911T123349_2020091T1123383_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatte	CS_OFFL_SIR_LRM_220200911T083702_20200911T084627_D001		There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20200911T093932_20200911T094542_D001 Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) 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 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) CS_OFFL_SIR_LRM_2_20200911T110825_20200911T113919_D001 Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error	CS_OFFL_SIR_LRM_220200911T084913_20200911T091035_D001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20200911T094726_20200911T095206_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2) CS_OFFL_SIR_LRM_2_20200911T101418_20200911T104856_D001 CS_OFFL_SIR_LRM_2_20200911T101418_20200911T104856_D001 CS_OFFL_SIR_LRM_2_20200911T110825_20200911T104856_D001 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) for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error (Retracker 2). Height Error (Retracker 2), Backscatter Error (Retracker 2). Height Error (Retracker 2). Height Error (Retracker 2). Height Error (Retracker 2). Height Error (Retracker 3). Backscatter E	CS_OFFL_SIR_LRM_220200911T092810_20200911T093745_D001		There is a height and backscatter error for Retracker 2 for one or more records
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20200911T1094/26_20200911T1095206_D001 Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3) for one or more records CS_OFFL_SIR_LRM_2_20200911T110825_20200911T113919_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Surface model unavailable or more records CS_OFFL_SIR_LRM_2_20200911T121349_20200911T122839_D001 Height Error (Retracker 2), Height Error (Retracker 3) for one or more records There is a height and backscatter error for Retracker 2, a height error (Retracker 3), Backscatter E	CS_OFFL_SIR_LRM_220200911T093932_20200911T094542_D001		There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20200911T101418_20200911T104856_D001 (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3),	CS_OFFL_SIR_LRM_220200911T094726_20200911T095206_D001		There is a height and backscatter error for Retracker 2 for one or more records
Error (Retracker 2) Error (Retracker 2) Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 4), Backscatter E	CS_OFFL_SIR_LRM_220200911T101418_20200911T104856_D001	(Retracker 3), Backscatter 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_2_20200911T115246_20200911T121316_D001 (Retracker 3), Backscatter Error (Retracker 3 and no DEM or Slope Model was used for the location of or more records Retracker 3 and no DEM or Slope Model was used for the location of or more records There is a height and backscatter error for Retracker 2 for one or more records	CS_OFFL_SIR_LRM_220200911T110825_20200911T113919_D001		There is a height and backscatter error for Retracker 2 for one or more records
	CS_OFFL_SIR_LRM_220200911T115246_20200911T121316_D001	(Retracker 3), Backscatter Error	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_220200911T121349_20200911T122839_D001		There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20200911T124559_20200911T125602_D001 Height Error (Retracker 2), Height Error (Retracker 3), Backscatter 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 of retracker 3 for one or more records	CS_OFFL_SIR_LRM_220200911T124559_20200911T125602_D001	(Retracker 3), Backscatter 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_220200911T130221_20200911T131811_D001	(Retracker 3), Backscatter Error	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_2_20200911T132112_20200911T132209_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records	CS_OFFL_SIR_LRM_220200911T132112_20200911T132209_D001		There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20200911T133127_20200911T135212_D001 Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3) Backscatter Error (Retracker 3) For one or more records	CS_OFFL_SIR_LRM_220200911T133127_20200911T135212_D001	(Retracker 3), Backscatter 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_2_20200911T135352_20200911T140715_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_2_20200911T135352_20200911T140715_D001		There is a height and backscatter error for Retracker 2 for one or more records

CS_OFFL_SIR_LRM_220200911T142339_20200911T144559_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_220200911T144721_20200911T145859_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_220200911T151011_20200911T151755_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200911T152503_20200911T154534_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_220200911T160220_20200911T162839_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_220200911T164852_20200911T165235_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_220200911T170206_20200911T172529_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_220200911T174146_20200911T181502_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_220200911T182715_20200911T183426_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_220200911T183802_20200911T184339_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_220200911T192227_20200911T195434_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_220200911T195647_20200911T195709_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_220200911T200607_20200911T200636_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_220200911T200638_20200911T200835_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_220200911T201458_20200911T201555_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_220200911T202715_20200911T204257_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_220200911T210045_20200911T213603_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_220200911T215814_20200911T220249_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_220200911T220331_20200911T222106_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_220200911T224024_20200911T231602_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_220200911T232800_20200911T234706_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_220200911T234758_20200912T000123_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 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	308	156	156	0	0
SIR_SAR_1B	190	92	92	0	0
SIR_SIN_1B	214	107	107	0	0
SIR_LRM_2	308	156	153	3	0
SIR_SAR_2	214	92	92	0	0
SIR_SIN_2	190	107	103	4	0
SIR GDR 2	28	14	0	0	14

6.1 QCC Errors

Number of products with QCC errors:

	MPHDUTNCDF	MPHXPFNCDF	MPHXVFNCDF	MPHYPFNCDF	MPHYVFNCDF	MPHZPFNCDF	STRUCTURESIZ		
Product Type							EANDREAD		

14

SIR GDR 2	14 14 14	14 14 14 14 14					
Test Description Key	est 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)					
STRUCTURESIZEAN	DESTRUCTURE_SIZE_AND_READ	Under investigation.					

6.2 QCC Warnings

Number of QCC reports with warnings

Total number of occurrences of each warning

	Total number of occurrences of each warming						
Product Type	AXDME	AXSMMEOCI	•	-	•	•	•
SIR_LRM_2_	0	3					
SIR SIN 2	4	0					

Test Description Key:	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:

4

Product name

CS_OFFL_SIR_GDR_2__20200911T225657_20200912T003612_D002