

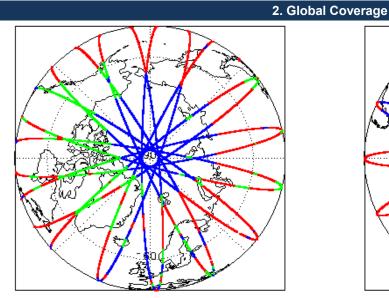
QA4EO Daily Report for OFFLINE data:

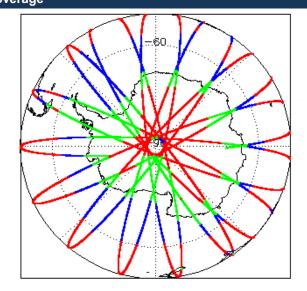
08/09/2020

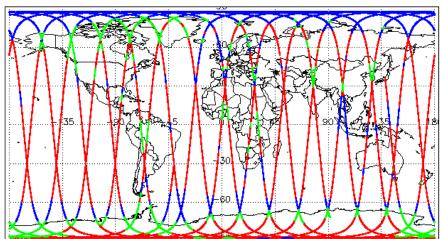
Check Status **Report Production Date:** 03-Nov-2020 Server check: science-pds.cryosat.esa.int Nominal Server check: calval-pds.cryosat.esa.int Nominal Processor Used: CryoSat Ice Processor Product Software Check Nominal Product Format Check Nominal Data Used: L1B and L2 OFFLINE Data Product Header Analysis 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

1. Overview

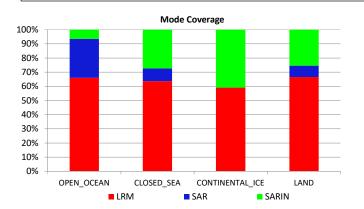
07-Sep-2020 None	
08-Sep-2020 None	
09-Sep-2020 Nothing planned	

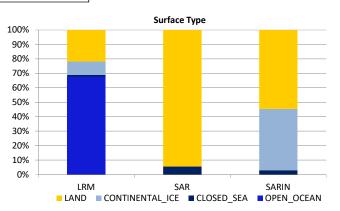






Mode Coverage (%)					
	LRM	65.4			
	SAR	20.3			
	SARIn	14.3			





3. Instrument Configuration

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

SIRAL - A

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SIRAL instrument(s) in use:

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. 0

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.

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20200908T001343_20200908T001540_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T001714_20200908T002042_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T002318_20200908T003802_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T004004_20200908T004926_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T005300_20200908T005656_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T005658_20200908T005941_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T011150_20200908T012847_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T013328_20200908T013626_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T013629_20200908T013646_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T013648_20200908T014202_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T014240_20200908T014300_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T015208_20200908T015504_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T022521_20200908T022633_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T022819_20200908T022923_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T022931_20200908T022958_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T023000_20200908T023113_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T023115_20200908T023518_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T023522_20200908T023924_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T025504_20200908T025901_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T025904_20200908T030054_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T030338_20200908T030434_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T030437_20200908T032628_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T033017_20200908T033032_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T034234_20200908T040651_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T041030_20200908T041159_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T041202_20200908T041503_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T043003_20200908T043048_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T043211_20200908T043605_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T043811_20200908T043852_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T043854_20200908T043939_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T043941_20200908T044023_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T044026_20200908T044030_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T044033_20200908T050544_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T052203_20200908T054741_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T054743_20200908T054954_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T055042_20200908T055203_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T055237_20200908T055254_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T055254_20200908T055933_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T071010_20200908T071416_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T071750_20200908T071807_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T071946_20200908T072533_D001	Loss of echo	The tracking echo is missing for one or more records

CS OFFL SIR LRM 1B 20200908T072824 20200908T072854 D001 CS OFFL SIR LRM 1B 20200908T072914 20200908T073233 D001 CS OFFL SIR LRM 1B 20200908T073522 20200908T073538 D001 CS_OFFL_SIR_LRM_1B_20200908T073627_20200908T073818_D001 CS OFFL SIR LRM 1B 20200908T073841 20200908T073905 D001 CS_OFFL_SIR_LRM_1B_20200908T090022_20200908T090616_D001 CS OFFL SIR LRM 1B 20200908T090736 20200908T090752 D001 CS OFFL SIR LRM 1B 20200908T090804 20200908T090820 D001 CS OFFL SIR LRM 1B 20200908T090824 20200908T090943 D001 CS OFFL SIR LRM 1B 20200908T092733 20200908T095800 D001 CS OFFL SIR LRM 1B 20200908T095810 20200908T100237 D001 CS OFFL SIR LRM 1B 20200908T101055 20200908T101509 D001 CS_OFFL_SIR_LRM_1B_20200908T110612_20200908T111150_D001 CS_OFFL_SIR_LRM_1B_20200908T112505_20200908T112729_D001 CS OFFL SIR LRM 1B 20200908T112732 20200908T113433 D001 CS_OFFL_SIR_LRM_1B_20200908T113435_20200908T113538_D001 CS_OFFL_SIR_LRM_1B_20200908T115007_20200908T115217_D001 CS_OFFL_SIR_LRM_1B_20200908T120058_20200908T121136_D001 CS_OFFL_SIR_LRM_1B_20200908T121139_20200908T121140_D001 CS_OFFL_SIR_LRM_1B_20200908T121142_20200908T121321_D001 CS_OFFL_SIR_LRM_1B_20200908T124526_20200908T124726_D001 CS_OFFL_SIR_LRM_1B_20200908T124728_20200908T125051_D001 CS OFFL SIR LRM 1B 20200908T125428 20200908T130210 D001 CS_OFFL_SIR_LRM_1B_20200908T130212_20200908T130425_D001 CS OFFL SIR LRM 1B 20200908T130628 20200908T131341 D001 CS_OFFL_SIR_LRM_1B_20200908T134306_20200908T134640_D001 CS_OFFL_SIR_LRM_1B_20200908T134642_20200908T134712_D001 CS OFFL SIR LRM 1B 20200908T134715 20200908T134812 D001 CS OFFL SIR LRM 1B 20200908T135449 20200908T140347 D001 CS OFFL SIR LRM 1B 20200908T140433 20200908T140747 D001 CS OFFL SIR LRM 1B 20200908T140910 20200908T141131 D001 CS_OFFL_SIR_LRM_1B_20200908T142355_20200908T142858_D001 CS OFFL SIR LRM 1B 20200908T142933 20200908T142945 D001 CS_OFFL_SIR_LRM_1B_20200908T142948_20200908T143001_D001 CS OFFL SIR LRM 1B 20200908T143004 20200908T143132 D001 CS_OFFL_SIR_LRM_1B_20200908T143134_20200908T143448_D001 CS OFFL SIR LRM 1B 20200908T143622 20200908T143655 D001 CS_OFFL_SIR_LRM_1B_20200908T143657_20200908T143730_D001 CS_OFEL_SIR_LRM_1B_20200908T150839_20200908T151000_D001 CS OFFL SIR LRM 1B 20200908T151557 20200908T153743 D001 CS OFFL SIR LRM 1B 20200908T153745 20200908T153747 D001 CS OFFL SIR LRM 1B 20200908T153749 20200908T154129 D001 CS_OFFL_SIR_LRM_1B_20200908T154248_20200908T154908_D001 CS_OFFL_SIR_LRM_1B_20200908T160240_20200908T160631_D001 CS OFFL SIR LRM 1B 20200908T160646 20200908T161026 D001 CS_OFFL_SIR_LRM_1B_20200908T161430_20200908T163842_D001 CS OFFL SIR LRM 1B 20200908T172255 20200908T172321 D001 CS_OFFL_SIR_LRM_1B_20200908T172505_20200908T172532_D001 CS OFFL SIR LRM 1B 20200908T174121 20200908T174932 D001 CS_OFFL_SIR_LRM_1B_20200908T174943_20200908T175210_D001 CS_OFFL_SIR_LRM_1B_20200908T175217_20200908T181813_D001 CS_OFFL_SIR_LRM_1B_20200908T182637_20200908T183008_D001 CS OFFL SIR LRM 1B 20200908T191931 20200908T192322 D001 CS_OFFL_SIR_LRM_1B_20200908T192451_20200908T192700_D001 CS OFFL SIR LRM 1B 20200908T192734 20200908T192832 D001 CS_OFFL_SIR_LRM_1B_20200908T193020_20200908T193034_D001 CS OFFL SIR LRM 1B 20200908T193037 20200908T193039 D001 CS OFFL SIR LRM 1B 20200908T193247 20200908T194045 D001 CS_OFFL_SIR_LRM_1B_20200908T194141_20200908T194542_D001 CS OFFL SIR LRM 1B 20200908T194705 20200908T195048 D001 CS OFFL SIR LRM 1B 20200908T200138 20200908T200701 D001 CS_OFFL_SIR_LRM_1B_20200908T203752_20200908T204915_D001 CS OFFL SIR LRM 1B 20200908T210628 20200908T210800 D001 CS_OFFL_SIR_LRM_1B_20200908T211028_20200908T211554_D001

Loss of echo l oss of echo Loss of echo l oss of echo Loss of echo l oss of echo Loss of echo l oss of echo 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_20200908T214107_20200908T214601_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T215302_20200908T222529_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T222531_20200908T222535_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T222538_20200908T222913_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T232843_20200908T232855_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T233310_20200908T233809_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T233827_20200908T234736_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T234738_20200908T234803_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T234806_20200908T234927_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200908T235409_20200909T000147_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:
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Product	Test Failed	Description
CS_OFFL_SIR_SIN_1B_20200908T022924_20200908T022931_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.

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: 4

Product Test Failed Description The tracking echo has returned an error and the Rx1 Echo Error flag is set, CS_OFFL_SIR_LRM_1B_20200908T023522_20200908T023924_D001 Echo error, TRK echo error indicating a degraded echo The tracking echo has returned an error and the Rx1 Echo Error flag is set, CS_OFFL_SIR_LRM_1B_20200908T140433_20200908T140747_D001 Echo error. TRK echo error indicating a degraded echo The tracking echo has returned an error and the Rx1 Echo Error flag is set, CS OFFL SIR LRM 1B 20200908T233310 20200908T233809 D001 Echo error. TRK echo error indicating a degraded echo CS_OFFL_SIR_SIN_1B_20200908T022924_20200908T022931_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: 0

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.

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220200907T235146_20200908T000449_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_220200908T002318_20200908T003802_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_220200908T004004_20200908T004926_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_220200908T011150_20200908T012847_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_220200908T020250_20200908T021632_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_220200908T022931_20200908T022958_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200908T023115_20200908T023518_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200908T025904_20200908T030054_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_220200908T030338_20200908T030434_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_220200908T030437_20200908T032628_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_220200908T034234_20200908T040651_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_220200908T041625_20200908T041926_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_220200908T041945_20200908T041954_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_220200908T044033_20200908T050544_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_220200908T052203_20200908T054741_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_220200908T055254_20200908T055933_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_220200908T061302_20200908T064318_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_220200908T073627_20200908T073818_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_220200908T073841_20200908T073905_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_220200908T075039_20200908T082322_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_220200908T084143_20200908T085722_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_220200908T090022_20200908T090616_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_220200908T091535_20200908T091700_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_220200908T092733_20200908T095800_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_220200908T095810_20200908T100237_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_220200908T102021_20200908T104435_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records

CEL GPL, BR, LEG 2. ADDOXETTENDO 2.00000FT11010 DOX Print (Print America Vision Control Contro Contro Control Control Control Control Control Control Contro Con		Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CH, SH, SH, MAX J, XXXXXXX11102, XXXXXXX111120, XXX1 Performance in the control of the second seco	CS_0FFL_SIK_LKM_2202009081104605_202009081105406_D001	. ,	records
CPUT_UNIT_UNIT_UNIT_UNIT_UNIT_UNIT_UNIT_UN	CS_OFFL_SIR_LRM_220200908T110612_20200908T111150_D001	(Retracker 3), Backscatter Error	
CHUCTURUSCURSUL_CALCOUNT INTER-LAND SECTION SEC	CS_OFFL_SIR_LRM_220200908T111243_20200908T112127_D001		-
CH. UNIT, SIN CHILL, ADDOREDT THATA, QUARTER THATA, DUARTER THATA	CS_OFFL_SIR_LRM_220200908T112505_20200908T112729_D001		
CPUT_DPUT_SPL_NUMDOUBDET TRADE_CONTROL TRADE_CONT Early Retrotement 2 recent * CS_DPL_SRL_MMDOUBDET TRADE_CONTROL TRADE_CONT Margy Fairs (Matchard 2), Matcharder Them is in registion on the Ratingher 2 for the or more service. CS_DPL_SRL_MMDOUBDET TRADE_CONT Margy Fairs (Matchard 2), Matcharder Them is in registion on the Ratingher 2 for the or more service. CS_DPL_SRL_MMDOUBDET TRADE_CONT Margy Fairs (Matchard 2), Matcharder Them is in registion on trade and tradewide 2 for the or more service. CS_DPL_SRL_MMDOUBDET TRADE_CONT Margy Fairs (Matchard 2), Matcharder Them is a registion on backarder on or far Ratingher 7 for one or more more registion on the Ratingher 7 for one or more registion on the Ratingher 7 for one o	CS_OFFL_SIR_LRM_220200908T112732_20200908T113433_D001		-
Dir Mitt, Sin Umit, 2., 20200001112100, 20200001112100, 20200001112100, 20200001112210, 202000001112210, 202000001112210, 20200001112210, 202000001112210, 2020	CS_OFFL_SIR_LRM_220200908T113435_20200908T113538_D001		
Confl., Seri, Low, 2	CS_OFFL_SIR_LRM_220200908T120058_20200908T121136_D001		
VM_UPTL_SM_UNIXC0000001122/11_0000001122/11_0000001122/11_0000001122/11_0000001122/11_0000001122/11_000000001122/11_000000001122/11_000000001122/11_000000001122/11_000000001122/11_000000001122/11_000000001122/11_000000001122/11_000000001122/11_000000001122/11_000000001122/11_000000001122/11_0000000000	CS_OFFL_SIR_LRM_220200908T121501_20200908T122350_D001		
CS_OFFL_SR_LINU_2_0000081132412_0000081132412_0000 Retinate 3), Bascatter Emer (Retinate 3), Rescatter Emer (Retinate 3), Rescatter Emer (Retinate 3), Retinate 3), Rescatter Emer (Retinate 3), Retinate 3), Retina	CS_OFFL_SIR_LRM_220200908T122517_20200908T123210_D001		
06.0 DFR_SR_LENU_2_2000000113022, 20200000113042, 202000001140347, 2001 Height Enry (Persodar 2, Backseatter Enry (Persodar 2, Backseatter 2, Backseat	CS_OFFL_SIR_LRM_220200908T125428_20200908T130210_D001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_32000008T19284_000098T19134_L0001 (Reinaber 2) Sin Gastascatter Emmi CS_OFFL_SIR_LRM_2_32000008T193746_000098T193612_0001 Height Error (Reinaber 2) Biokkoatter Error (Reinaber 2) A Debt or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_32000008T193649_000098T193612_0001 Height Error (Reinaber 2) Height Error (Reinaber 2) Height Error (Reinaber 2) Biokkoatter 2) CS_OFFL_SIR_LRM_2_3000008T193649_000098T193697_D001 Height Error (Reinaber 2) Height Error (Reinaber 2) Height Error (Reinaber 2) Height Error (Reinaber 2) Height Error (Reinaber 2) Height Error (Reinaber 2) Height Error (Reinaber 2) CS_OFFL_SIR_LRM_2_3000008T140347_D001 Height Error (Reinaber 2) Height Error (Reinaber 2) Height Error (Reinaber 2) Height Error (Reinaber 2) Height Error (Reinaber 2) Height Error (Reinaber 2) Height Error (Reinaber 2) CS_OFFL_SIR_LRM_2_30200008T140347_D001 Height Error (Reinaber 2) Height Error (Reinaber 2) Height Error (Reinaber 2) CS_OFFL_SIR_LRM_2_20200008T140340_00008T140347_D001 Height Error (Reinaber 2) Height Error (Reinaber 2) Height Error (Reinaber 2) CS_OFFL_SIR_LRM_2_20200008T140340_00008T140340_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200008T143340_00001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200008T143340_0001 Error (Reinaber 2), Backscatter Error (Reinaber 2), Backscatter CR_OFFL_SIR_LRM_2_20200008T143440_D001 Error (Reinaber 2), Backscatter CS_OFFL_SIR_LRM_2_20200008T143440_D001 Error (Reinaber 2), Backscatter CR_OFFL_SIR_LRM_2_20200008T143440_D001 Error (Reinaber 2), Backscatter CR_OFFL_SIR_LRM_2_20200008T143440_D001 Error (Reinaber 2), Backscatter CR_OFFL_SIR_LRM_2_20200008T143440_D001 Error (Reinaber 2), Backscatter CR_OFFL_SIR_LRM_2_20200008T14342_0001 Error (Reinaber 2), Backscatter CR_OFFL_SIR_LRM_2_2020008T14340_200008T143440_D001 Error (Reinaber 2), Backscatter CR_OFFL_SIR_	CS_OFFL_SIR_LRM_220200908T130212_20200908T130425_D001	(Retracker 3), Backscatter Error	
CS_OPFL_SIR_LEM_2_20200081134715_202008081134912_D001 Envi (Retracker 2) necords CS_OPFL_SIR_LEM_2_202000881134715_202008081134912_D001 Surface Model Unavailable No DEM or Skipe Model was used for the location of one or more records CS_OPFL_SIR_LEM_2_202000881134715_202008081140132_20200081140132_20200081140132_20200081140132_20200081140132_20200081140132_20200081140132_20200081140132_2020088114017 There is a height and backscatter error for Retracker 2 and a height error (Retracker 2). Surface Model Unavailable There is a height and backscatter error for Retracker 2 and a height error (Retracker 2). Surface model 2. Surface Model Unavailable There is a height and backscatter error for Retracker 2 and a height error (Retracker 2). Surface model Unavailable CS_OFFL_SIR_LEM_2_202000881140132_0200881141314_0200888114314_01014481448 No DEM or Skipe Model was used for the location of one or more records CS_OFFL_SIR_LEM_2_202008881163028_0001 Height Error (Retracker 2). Backscatter error for Retracker 2 for one or more records <	CS_OFFL_SIR_LRM_220200908T130628_20200908T131341_D001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_20200908T140347_D001 Height Error (Retracker 2) Backscatter There is a height and backscatter error for Retracker 2 and a height error (Retracker 2). CS_OFFL_SIR_LRM_2_20200908T140433_20200908T140747_D001 Height Error (Retracker 2). There is a height and backscatter error for Retracker 2 and a height error (Retracker 2). CS_OFFL_SIR_LRM_2_20200908T140910_20209080T141131_D001 Height Error (Retracker 2). Backscatter Error (Retracker 2). Backscatter error for Retracker 2 and a height error (Retracker 2). CS_OFFL_SIR_LRM_2_20200908T140910_20209080T143148_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records. CS_OFFL_SIR_LRM_2_20200908T143149_20209080T143148_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records. CS_OFFL_SIR_LRM_2_20200908T140149_D0010 Height Error (Retracker 2). Backscatter error for Retracker 2 for one or more records. CS_OFFL_SIR_LRM_2_20200908T1461429_D001 Height Error (Retracker 2). There is a height and backscatter error for Retracker 2 for one or more records. CS_OFFL_SIR_LRM_2_20200908T146048_2000908T164120_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records. CS_OFFL_SIR_LRM_2_20200908T160645_2000908T164120_D001 Height Error (Retracker 2). Backscatter error for Retracker 2 for one or more reco	CS_OFFL_SIR_LRM_220200908T133746_20200908T134047_D001		
CS_OFFL_SIR_LRM_2_20200908T140433_20200908T140747_D001 Eror (Retracker 2) records CS_OFFL_SIR_LRM_2_20200908T140433_20200908T140747_D001 Height Eror (Retracker 2), Backscatte Eror There is a height and backscatter error for Retracker 2 and a height error (Retracker 2), Backscatter Eror (Retracker 2), Backscatter error for Retracker 2 and no DEM or Signe Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200908T143134_20200908T143143_D001 Height Eror (Retracker 2), Backscatter Eror (Retracker 2), Backscatter Eror for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200908T163743_D001 Height Eror (Retracker 2), Backscatter Eror for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200908T163743_D001 Height Eror (Retracker 2), Backscatter eror for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200908T163743_D001 Height Eror (Retracker 2), Backscatter eror for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200908T160346_20200908T161026_D001 Surface Model Unavailable No DEM or Stope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200908T160346_20200908T160346_D001 Eror (Retracker 2), Backscatter error for Retracker 2 and no DEM or Stope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200908T160346_20200908T160346_D001 Height Error (Retracker 2), B	CS_OFFL_SIR_LRM_220200908T134715_20200908T134812_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20200008T140433_20200908T140147_D001 Retracker 3). Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 and a height error (Retracker 2). CS_OFFL_SIR_LRM_2_20200008T14910_20200908T141131_D001 Meight Error (Retracker 2). Backscatter Error (Retracker 2). Surface model unavailable There is a height and backscatter error for Retracker 2 and a neight error Sicpe Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200908T143134_20200908T143448_D001 Surface Model Unavailable No DEM or Sicpe Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200908T15572_20200908T153743_D001 Height Error (Retracker 2). Backscatter Error (Retracker 2). Backscatter Error (Retracker 2). Backscatter Error (Retracker 2). Backscatter Error (Retracker 2). Backscatter There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200908T163157_20200908T163122_D001 Error (Retracker 2). Backscatter Error (Retracker 2). Error error for Retracker 2 and a height error for Retracker 3 and no DEM or Sispe Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200008T16342_D001 Error (Retracker 2). Height Error (Retracker 2). Backscatter Error (Retracker 2). Backsc	CS_OFFL_SIR_LRM_220200908T135449_20200908T140347_D001		
CS_OFFL_SIR_LRM_2_20200908T1410910_20200908T141131_D001 Error (Retracker 2), Surface model invariable Interest is neight and backscatter error for Retracker 2 and no DEM or Stope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200908T141314_20200908T143144_20200908T143144_20200908T143144_20200908T143144_20200908T143144_20200908T143144_20200908T143144_20200908T1557_20200908T15574_3_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Eight Error (Retracker 2), Height	CS_OFFL_SIR_LRM_220200908T140433_20200908T140747_D001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_20200908T151557_20200908T153743_D001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200908T153749_20200908T154129_D001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200908T160646_20200908T161026_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200908T1610466_20200908T161026_D001 Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter 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_20200908T161450_20200908T163842_D001 Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3 for one or more records CS_OFFL_SIR_LRM_2_20200908T172505_20200908T172532_D001 Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Bac	CS_OFFL_SIR_LRM_220200908T140910_20200908T141131_D001	Error (Retracker 2), Surface model	
CS_OFFL_SIR_LRM_2_20200908T1557_20200908T154128_D001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20200908T153749_20200908T154128_D001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200908T160646_20200908T161026_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200908T161430_20200908T161026_D001 Error (Retracker 2), Backscatter 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_20200908T161430_20200908T163842_D001 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 CS_OFFL_SIR_LRM_2_20200908T165442_20200908T172059_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Ret	CS_OFFL_SIR_LRM_220200908T143134_20200908T143448_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20200908T160646_20200908T161026_D001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20200908T160646_20200908T161026_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200908T161430_20200908T163842_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), 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_20200908T165442_20200908T172059_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 on eo or more records CS_OFFL_SIR_LRM_2_20200908T172505_20200908T172532_D001 Height Error (Retracker 2), Height Error (Retracker 3), Backscatter error for Retracker 2 and a height error for Retracker 3), Backscatter Error (Retracker 3), Bac	CS_OFFL_SIR_LRM_220200908T151557_20200908T153743_D001		
CS_OFFL_SIR_LRM_2_20200908T161430_20200908T163842_D001 Height Error (Retracker 2), Backscatter 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_20200908T165442_20200908T172059_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and a height error for Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable There is a height and backscatter error for Retracker 2, a height error for Retracker 2, a height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 3) for one or more records	CS_OFFL_SIR_LRM_220200908T153749_20200908T154129_D001		
CS_OFFL_SIR_LRM_2_20200908T161430_20200908T163842_D001 Error (Retracker 2), Surface model unavailable There is a height and backscatter error for Retracker 2 and no DEM of Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200908T165442_20200908T172059_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200908T172505_20200908T172532_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Burlace model unavailable There is a height and backscatter error for Retracker 2, a height error for Retracker 2, Surface model unavailable CS_OFFL_SIR_LRM_2_20200908T175217_20200908T175217_20200908T181813_D001 Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 3 for one or more records CS_OFFL_SIR_LRM_2_20200908T175217_20200908T181813_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200908T183503_20200908T190759_D001 Height Err	CS_OFFL_SIR_LRM_220200908T160646_20200908T161026_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20200908T103442_20200908T172039_D001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20200908T172505_20200908T172532_D001 Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 2 and a height error for Retracker 2 and a height error (Retracker 2), Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records	CS_OFFL_SIR_LRM_220200908T161430_20200908T163842_D001	Error (Retracker 2), Surface model	
CS_OFFL_SIR_LRM_2_20200908T172505_20200908T172532_D001 (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_20200908T174121_20200908T174932_D001 Height Error (Retracker 2), Height 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_2_20200908T175217_20200908T181813_D001 Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Beight Error (Retracker 3 for one or more records CS_OFFL_SIR_LRM_2_20200908T183503_20200908T190759_D001 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	CS_OFFL_SIR_LRM_220200908T165442_20200908T172059_D001		
CS_OFFL_SIR_LRM_2_20200908T174121_20200908T174932_D001 (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Retracker 3 and no DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200908T175217_20200908T181813_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), 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_20200908T183503_20200908T190759_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records	CS_OFFL_SIR_LRM_220200908T172505_20200908T172532_D001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_20200908T175217_20200908T181813_D001 (Retracker 3), Backscatter Error (Retracker 2) Intere is a height and backscatter error for Retracker 2 and a height error for Retracker 2 and a	CS_OFFL_SIR_LRM_220200908T174121_20200908T174932_D001	(Retracker 3), Backscatter Error	Retracker 3 and no DEM or Slope Model was used for the location of one
CS_OFFL_SIR_LRM_2_202009081183503_202009081190759_D001 Error (Retracker 2) records	CS_OFFL_SIR_LRM_220200908T175217_20200908T181813_D001	(Retracker 3), Backscatter Error	
	CS_OFFL_SIR_LRM_220200908T183503_20200908T190759_D001		-
CS_OFFL_SIR_LRM_2_20200908T191931_20200908T192322_D001 Height Error (Retracker 2), Backscatter Provide the Backscatter error for Retracker 2 for one or more records	CS_OFFL_SIR_LRM_220200908T191931_20200908T192322_D001		

CS_OFFL_SIR_LRM_220200908T194705_20200908T195048_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_220200908T200138_20200908T200701_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200908T201416_20200908T203506_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_220200908T203752_20200908T204915_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_220200908T205915_20200908T210303_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_220200908T212550_20200908T213546_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_220200908T215302_20200908T222529_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_220200908T222538_20200908T222913_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_220200908T224650_20200908T224912_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_220200908T225043_20200908T231341_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_220200908T233310_20200908T233809_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_220200908T233827_20200908T234736_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_220200908T234806_20200908T234927_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_220200908T235409_20200909T000147_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_SIN_2_20200908T022924_20200908T022931_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 warrings is provided below.

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_LRM_1B	340	175	175	0	0
SIR_SAR_1B	198	98	98	0	0
SIR_SIN_1B	219	108	108	0	0
SIR_LRM_2	340	175	166	9	0
SIR_SAR_2	219	97	97	0	0
SIR_SIN_2	197	108	108	0	0
SIR_GDR_2	30	15	0	0	15

6.1 QCC Errors

Number of products with QCC errors:

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

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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)			
STRUCTURESIZEAND	STRUCTURE_SIZE_AND_READ	Under investigation.			

6.2 QCC Warnings

Number of QCC reports with warnings			11						
			Total number of occurrences of each warning						
	Product Type	AXSMMEOCI	AXSMEOOO	AXWMMEOOO	-	-	-	-	
	SIR_GDR_2_	1	0	0					
	SIR_LRM_2_	8	1	1					
			•						

Test Description Key:	est Description Key:						
Abbreviation	Test name	Details					
AXSMMEOCI	AttributeXrefSlopeModelMustExistOverContinentalIce	The xref_slope_model is mandatory in LRM products over continental ice					

AXSMEOOO	AttributeXrefSsbMustExistOverOpenOcean	The xref_ssb is mandatory in LRM products over open ocean						
AXWMMEOOO	AttributeXrefWindModelMustExistOverOpenOcean	The xref_wind_model attribute is mandatory in LRM products over open ocean						
6.2 Missing QCC Reports								
Number of products with missing QCC reports: 1								
Product name CS_OFFL_SIR_GDI	R_2_20200908T234925_20200909T012840_D002							