

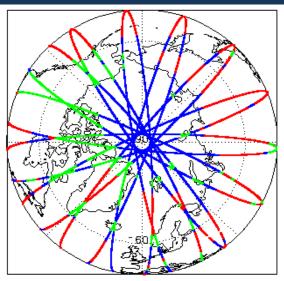
1. Overview

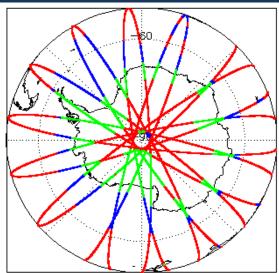
Report Production Date:	30-Jun-2020		
Processor Used:	CryoSat Ice Processor		
Data Used:	L1B and L2 OFFLINE Data		

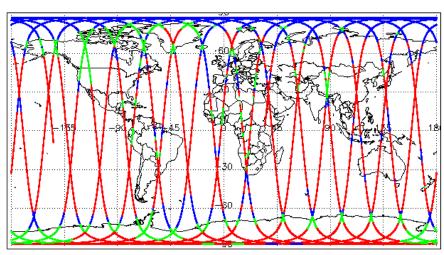
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check	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

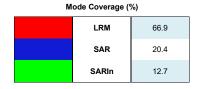
Mission / Instr	lission / Instrument News					
29-May-2020	None					
30-May-2020	None					
31-May-2020	Nothing planned					

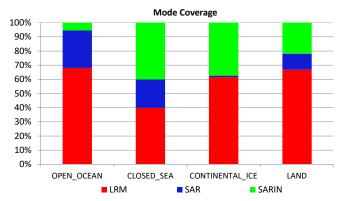
2. Global Coverage

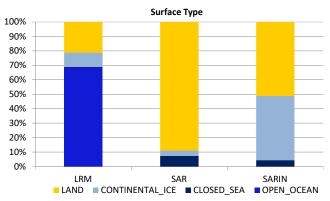












3. Instrument Configuration

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:

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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.

umber of products with errors: 10

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20200530T003506_20200530T003859_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T004247_20200530T004406_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T004550_20200530T005043_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T005106_20200530T005548_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T005654_20200530T005918_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T005922_20200530T010037_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T021640_20200530T021710_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T021725_20200530T021853_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T021900_20200530T021912_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T022038_20200530T022556_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T025155_20200530T025604_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T030256_20200530T030812_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T030822_20200530T031352_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T033736_20200530T033926_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T043317_20200530T043509_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T044214_20200530T044853_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T044859_20200530T045812_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T045814_20200530T045930_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T050411_20200530T051116_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T051233_20200530T051434_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T051459_20200530T051841_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T055029_20200530T055350_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T055434_20200530T060535_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T062920_20200530T063558_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T063738_20200530T063952_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T063954_20200530T065300_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T065303_20200530T065306_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T065309_20200530T065316_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T065402_20200530T065835_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T065858_20200530T065927_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T071433_20200530T071450_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T071536_20200530T071744_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T072305_20200530T072618_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T072623_20200530T072712_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T072718_20200530T072723_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T072725_20200530T072746_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T072748_20200530T072754_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T074952_20200530T075826_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T082828_20200530T082915_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T083033_20200530T083047_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200530T083049_20200530T083059_D001	Loss of echo	The tracking echo is missing for one or more records

Company Comp	CS_OFFL_SIR_LRM_1B_20200530T083135_20200530T083704_D001	Loss of echo	The tracking echo is missing for one or more records
Co. Comp. 12, Mar. 12, 2000,			
Comparison Com			
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Co. CPT_BILL_NEL_NEL_0.200000007000000_000000000000000000000			
Section Committee Commit			
Company May May 1, 200000000000000000000000000000000000			
Comp. Part			
Co., OFT. BRILLING. IR. 202005001110002, 20200501110002, D0001 Co., OFT. BRILLING. IR. 202005001110002, 20200501110002, D0001 Co., OFT. BRILLING. IR. 202005001110002, 20200501110002, D0001 Co., OFT. BRILLING. IR. 20200501110002, 20200501110002, D0001 Co., OFT. BRILLING. IR. 20200501110002, 20200501110002, D0001 Co., OFT. BRILLING. IR. 202005011110002, D0001 Co., OFT. BRILLING. IR. 20200501110002, D000100110002, D0001 Co., OFT. BRILLING. IR. 20200501110002, D0001001110002, D000100110002, D00010010002, D0001000000000000000000000			
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Co. CPT_SRI_LAN_IR_20200507111950_22000007119510_D01			
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See of each Per tracking or his investigation or nor more records			
Cal. Coff. Sim. Jam. 14, 200000011 1431 200000011 1432 20010 Los of either The facility get to is missing for one or more records			
Co. Co. P. C. P. C			
CS. OFFL, SR. LEW. 18. 20005030T114625, 20005030T114737, D0011 CS. OFFL, SR. LEW. 18. 20005030T11512 20005030T115150 D0011 CS. OFFL, SR. LEW. 18. 20005030T11512 2000503T115150 D0011 CS. OFFL, SR. LEW. 18. 20005030T11510 2000503T115150 D0011 CS. OFFL, SR. LEW. 18. 20005030T11510 2000503T11510 D0011 CS. OFFL, SR. LEW. 19. 2000503T11510 C000503T11510 D0011 CS. OFFL, SR. LEW. 19. 2000503T11510 C000503T11510 C000503T1			
CS_OFT_SIR_LEN_IB_20000501719120_2000501711920_00101 Loss of exho The tracking exho is missing for one or more records CS_OFT_SIR_LEN_IB_20000501719201_2000501719201_200100_001 CS_OFT_SIR_LEN_IB_20000501719201_2000501719201_0010 CS_OFT_SIR_LEN_IB_20000501719201_2000501719300_001 CS_OFT_SIR_LEN_IB_20000501719201_2000501719300_001 CS_OFT_SIR_LEN_IB_20000501719201_2000501719300_001 CS_OFT_SIR_LEN_IB_20000501719201_2000501719300_001 CS_OFT_SIR_LEN_IB_20000501719201_2000501719300_001 CS_OFT_SIR_LEN_IB_20000501719201_2000501719300_001 CS_OFT_SIR_LEN_IB_20000501719300_2000501719300_001 CS_OFT_SIR_LEN_IB_20000501719201_2000501719300_001 CS_OFT_SIR_LEN_IB_20000501719201_2000501719300_001 CS_OFT_SIR_LEN_IB_20000501719200_2000501719300_001 CS_OFT_SIR_LEN_IB_20000501719200_2000501719300_001 CS_OFT_SIR_LEN_IB_20000501719200_2000501719300_001 CS_OFT_SIR_LEN_IB_20000501719200_2000501719300_001 CS_OFT_SIR_LEN_IB_20000501719200_2000501719300_001 CS_OFT_SIR_LEN_IB_20000501719200_2000501719300_001 CS_OFT_SIR_LEN_IB_20000501719200_2000501719200_001 CS_OFT_SIR_LEN_IB_20000501719200_2000501719200_001 CS_OFT_SIR_LEN_IB_20000501719200_2000501719200_001 CS_OFT_SIR_LEN_IB_20000501719200_2000501719200_001 CS_OFT_SIR_LEN_IB_20000501719200_001 CS_OFT_SIR_LEN_IB_200005017			
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CS_OFFL_SIR_LEN_IB_202005307119558_20005307119565_D001 Loss of seho The flacking exho is missing for one or more records CS_OFFL_SIR_LEN_IB_202005307130742_20005307130744_D001 Loss of exho CS_OFFL_SIR_LEN_IB_20200530713108_20005007131344_D001 Loss of exho CS_OFFL_SIR_LEN_IB_20200530713108_20005007131344_D001 Loss of exho CS_OFFL_SIR_LEN_IB_20200530713108_20005007131340_D001 Loss of exho CS_OFFL_SIR_LEN_IB_20200530713108_20005007131340_D001 Loss of exho CS_OFFL_SIR_LEN_IB_20200530713108_20005007131340_D001 Loss of exho CS_OFFL_SIR_LEN_IB_20200530713108_20005007131740_D001 Loss of exho CS_OFFL_SIR_LEN_IB_2020053071308_2000500713085_D001 Loss of exho CS_OFFL_SIR_LEN_IB_2020053071308_2000500713085_D001 Loss of exho CS_OFFL_SIR_LEN_IB_2020053071308_2000500713085_D001 Loss of exho CS_OFFL_SIR_LEN_IB_2020053071308_2000500713085_D001 Loss of exho CS_OFFL_SIR_LEN_IB_20200530714080_2000500714085_D001 Loss of exho CS_OFFL_SIR_LEN_IB_20200530714080_2000500714085_D001 Loss of exho CS_OFFL_SIR_LEN_IB_20200530714080_2000500714080_D001 Loss of exho CS_OFFL_SIR_LEN_IB_20200530714080_2000500714080_D001 Loss of exho CS_OFFL_SIR_LEN_IB_20200530714080_D001007150780_D001 Loss of exho CS_OFFL_SIR_LEN_IB_20200530714080_D001007150780_D001 Loss of exho CS_OFFL_SIR_LEN_IB_20200530717080_D0017080_D001 Loss of exho CS_OFFL_SIR_LEN_IB_20200530717080_D0017080_D001 Loss of exho CS_OFFL_SIR_LEN_IB_20200530717080_D0017080_D001 Loss of exho CS_OFFL_SIR_LEN_IB_20200530717080_D0017080_D001 Loss of exho CS_OFFL_SIR_LEN_IB_20200530717080_D00017080_D001 Loss of exho CS_OFFL_SIR_LEN_IB_20200530717080_D0017080_D001 Loss of exho CS_OFFL_SIR_LEN_IB_20200530717080_D00017080_D001 Loss of exho CS_OFFL_SIR_LEN_IB_20200530717080_D00017080_D0017080_D001 Loss of exho CS_OFFL_SIR_LEN_IB_202005307170			
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CS_OFFL_SR_LRM_1B_20000530T131018_20200530T131340_D001 CS_OFFL_SR_LRM_1B_20000530T131342_20200530T131340_D001 CS_OFFL_SR_LRM_1B_20000530T131362_20200530T13170T_D001 CS_OFFL_SR_LRM_1B_20000530T13170B_20200530T13170T_D001 CS_OFFL_SR_LRM_1B_20000530T13170B_20200530T13170T_D001 CS_OFFL_SR_LRM_1B_20000530T13170B_20200530T13170T_D001 CS_OFFL_SR_LRM_1B_20000530T13170B_20200530T13170T_D001 CS_OFFL_SR_LRM_1B_20000530T13170B_20200530T13170D_D001 CS_OFFL_SR_LRM_1B_20000530T13170B_20200530T13170D_D001 CS_OFFL_SR_LRM_1B_20000530T132845_20200530T132854_D001 CS_OFFL_SR_LRM_1B_20000530T132845_20200530T132854_D001 CS_OFFL_SR_LRM_1B_20000530T132855_D00030T132855_D001 CS_OFFL_SR_LRM_1B_20000530T132855_D00030T132855_D001 CS_OFFL_SR_LRM_1B_20000530T132850_D00030T132850_D001 CS_OFFL_SR_LRM_1B_20000530T132850_D00030T132850_D001 CS_OFFL_SR_LRM_1B_20000530T145800_20200530T145828_D001 CS_OFFL_SR_LRM_1B_20000530T145800_D000530T145800			
CS_OFFL_SIR_LIM_18_20200530T131342_20200530T131344_D0001 CS_OFFL_SIR_LIM_18_20200530T131342_20200530T13170_D001 CS_OFFL_SIR_LIM_18_20200530T13170_20200530T13170_D001 CS_OFFL_SIR_LIM_18_20200530T13170_20200530T13170_D001 CS_OFFL_SIR_LIM_18_20200530T13170_20200530T13170_D001 CS_OFFL_SIR_LIM_18_20200530T13170_20200530T13170_D001 CS_OFFL_SIR_LIM_18_20200530T13120_20200530T13170_D001 CS_OFFL_SIR_LIM_18_20200530T13200_20200530T13120_D001 CS_OFFL_SIR_LIM_18_20200530T13200_20200530T13205_D001 CS_OFFL_SIR_LIM_18_20200530T13200_20200530T13205_D001 CS_OFFL_SIR_LIM_18_20200530T14302_20200530T143205_D001 CS_OFFL_SIR_LIM_18_20200530T14302_20200530T143205_D001 CS_OFFL_SIR_LIM_18_20200530T14305_20200530T143205_D001 CS_OFFL_SIR_LIM_18_20200530T14305_20200530T143035_D001 CS_OFFL_SIR_LIM_18_20200530T14305_20200530T143035_D001 CS_OFFL_SIR_LIM_18_20200530T14305_20200530T143035_D001 CS_OFFL_SIR_LIM_18_20200530T14305_20200530T143035_D001 CS_OFFL_SIR_LIM_18_20200530T15205_20200530T15205_D001 CS_OFFL_SIR_LIM_18_20200530T15205_20200530T15205_D001 CS_OFFL_SIR_LIM_18_20200530T15205_20200530T15205_D001 CS_OFFL_SIR_LIM_18_20200530T170472_20200530T17045_D001 CS_OFFL_SIR_LIM_18_20200530T170472_20200530T17045_D001 CS_OFFL_SIR_LIM_18_20200530T170472_20200530T17045_D001 CS_OFFL_SIR_LIM_18_20200530T170472_20200530T17045_D001 CS_OFFL_SIR_LIM_18_20200530T170472_20200530T17045_D001 CS_OFFL_SIR_LIM_18_20200530T170472_20200530T17045_D001 CS_OFFL_SIR_LIM_18_20200530T17042_20200530T17045_D001 CS_OFFL_SIR_LIM_18_20200530T17045_D001 CS_OFFL_S			
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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:

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:

5. Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

5.5 L2 Measurement Quality Flag Check

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

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

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

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

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

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

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

Number of products with errors:

61

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220200529T234405_20200530T001758_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_220200530T003059_20200530T003238_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_220200530T012336_20200530T014512_D001		There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200530T014758_20200530T015656_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_220200530T020932_20200530T021321_D001		There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200530T022919_20200530T023407_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_220200530T023555_20200530T024721_D001	, ,	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200530T030256_20200530T030812_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_220200530T030822_20200530T031352_D001		There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records

COLUMNIANE J. 2000000710014 J. 200000710014 J.	CS_OFFL_SIR_LRM_220200530T031615_20200530T033450_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
COUPT, BRILBRY 2. 200000007100001 (200000007100000) (20000000000000000000000000000000	CS_OFFL_SIR_LRM_220200530T035347_20200530T035916_D001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
Harge filter (Personer 2) Integrit Complete State C	CS_OFFL_SIR_LRM_2_20200530T040047_20200530T042343_D001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
COLORED SER JEBLE 2 20000000000000000000000000000000000	CS_OFFL_SIR_LRM_220200530T044214_20200530T044853_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error
So, OFTL, SRIL, IRM 2_200000001000112,00000001100000, DOOD SRIP SRIP, IRM 2_200000001000000, DOOD SRIP SRIP SRIP SRIP SRIP SRIP SRIP SRIP	CS_OFFL_SIR_LRM_220200530T044859_20200530T045812_D001	Height Error (Retracker 2), Backscatter	
Co. OFFL. SRI, LEW 2_20000000T005005_0000000T005005_0001 Co. OFFL. SRI, LEW 2_2000000T005005_000000T005005_0001 Co. OFFL. SRI, LEW 2_2000000T005005_000000T005005_00000T005005_0000000T005005_000000T005005_000000T005005_000000T005005_000000T005005_000000T005005_000000T005005_000000T005005_000000T005005_00000000	CS_OFFL_SIR_LRM_220200530T045814_20200530T045930_D001		· ·
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Envi (Retauder 2) Find (Retaude	CS_OFFL_SIR_LRM_220200530T063738_20200530T063952_D001	Height Error (Retracker 2), Backscatter	
Height Error (Retracker 2), Backscatter Error (Retracker 2), Berght and backscatter error for Retracker 2 and a height error (Retracker 2), Berght Error (Retracker 2), Be	CS_OFFL_SIR_LRM_220200530T063954_20200530T065300_D001		
CS_OFFL_SIR_LRM_2_202005301072815_202005301072815_D001 CS_OFFL_SIR_LRM_2_202005301072805_202005301072815_D001 CS_OFFL_SIR_LRM_2_202005301080058_202005301072816_D001 CS_OFFL_SIR_LRM_2_202005301080058_202005301082226_D001 CS_OFFL_SIR_LRM_2_202005301080058_202005301082226_D001 CS_OFFL_SIR_LRM_2_202005301080058_202005301082226_D001 CS_OFFL_SIR_LRM_2_202005301080058_202005301082226_D001 CS_OFFL_SIR_LRM_2_202005301080058_202005301082026_D001 CS_OFFL_SIR_LRM_2_202005301080059_D001 CS_OFFL_SIR_LRM_2_20200530111809_D0005301114319_D001 CS_OFFL_SIR_LRM_2_20200530111809_D0005301114319_D001 CS_OFFL_SIR_LRM_2_20200530111809_D000530111809_D001 CS_OFFL_SIR_LRM_2_20200530111809_D000530111809_D001 CS_OFFL_SIR_LRM_2_20200530111809_D000530111809_D001 CS_OFFL_SIR_LRM_2_20200530111809_D000530111809_D001 CS_OFFL_SIR_LRM_2_20200530111809_D000530111809_D001 CS_OFFL_SIR_LRM_2_20200530111809_D000530111809_D001 CS_OFFL_SIR_LRM_2_20200530111809_D000530111809_D001 CS_OFFL_SIR_LRM_2_20200530111809_D000530111809_D001 CS_OFFL_SIR_LRM_2_20200530111809_D000530111809_D001 CS_OFFL_SIR_LRM_2_20200530111809_D001 CS_OFFL_SIR_LRM_2_20200530111809_D000530111809_D001 CS_OFFL_SIR_LRM_2_20200530111809_D000530111809_D001 CS_OFFL_SIR_LRM_2_20200530111809_D000530111809_D001 CS_OFFL_SIR_LRM_2_20200530111809_D000530111809_D001 CS_OFFL_SIR_LRM_2_20200530111809_D000530111809_D001 CS_OFFL_SIR_LRM_2_20200530111	CS_OFFL_SIR_LRM_220200530T071230_20200530T071310_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
(Reinscher 3), Backscatter error for Retracker 2, and a height error (Retracker 2). He	CS_OFFL_SIR_LRM_220200530T071536_20200530T071744_D001		
CS_OFFL_SIR_LRM_2_20200530T080058_20200530T08004P_D001 CS_OFFL_SIR_LRM_2_20200530T080058_20200530T08004P_D001 CS_OFFL_SIR_LRM_2_20200530T080058_20200530T08004P_D001 CS_OFFL_SIR_LRM_2_20200530T080058_20200530T08004P_D001 CS_OFFL_SIR_LRM_2_20200530T080018_20200530T08004P_D001 CS_OFFL_SIR_LRM_2_20200530T080058_20200530T08004P_D001 CS_OFFL_SIR_LRM_2_20200530T080058_20200530T08000P_D001 CS_OFFL_SIR_LRM_2_20200530T080058_20200530T08000P_D001 CS_OFFL_SIR_LRM_2_20200530T080058_20200530T080500P_D001 CS_OFFL_SIR_LRM_2_20200530T080058_20200530T080500P_D001 CS_OFFL_SIR_LRM_2_20200530T080058_20200530T080500P_D001 CS_OFFL_SIR_LRM_2_20200530T080500P_D001 CS_OFFL_SIR_LRM_2_20200530T108058_D001 CS_OFFL_SIR_LRM_2_20200530T108059_D001 CS_OFFL_SIR_LRM_2_20200530T11849_20200530T118428_D001 CS_OFFL_SIR_LRM_2_20200530T11849_20200530T118433_D001 CS_OFFL_SIR_LRM_2_20200530T11849_20200530T118433_D001 CS_OFFL_SIR_LRM_2_20200530T118540_20200530T118540_D001 CS_OFFL_SIR_LRM_2_20200530T140104_20200530T142246_D001 CS_OFFL_SIR_LRM_2_20200530T140104_20200530T142246_D001 CS_OFFL_SIR_LRM_2_20200530T140104_20200530T142246_D001 CS_OFFL_SIR_LRM_2_20200530T140104_20200530T142246_D001 CS_OFFL_SIR_LRM_2_202	CS_OFFL_SIR_LRM_220200530T072305_20200530T072618_D001	(Retracker 3), Backscatter Error	
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20200530T083033_20200530T083047_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records 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 Error (Retracker 2). Backsc	CS_OFFL_SIR_LRM_220200530T073115_20200530T074640_D001	(Retracker 3), Backscatter Error	
Height Error (Retracker 2). Height Error (Retracker 2) and a height error for Retracker 2 and a height error for Retracker 3). Backscatter error for Retracker 2 and a height error for Retracker 3 for one or more exercts. There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more exercts. There is a height and backscatter error for Retracker 2 for one or more exercts. There is a height and backscatter error for Retracker 2 for one or more exercts. There is a height and backscatter error for Retracker 2 for one or more exercts. There is a height and backscatter error for Retracker 2 for one or more exercts. There is a height and backscatter error for Retracker 2 for one or more exercts. There is a height and backscatter error for Retracker 2 for one or more exercts. There is a height and backscatter error for Retracker 2 for one or more exercts. There is a height and backscatter error for Retracker 2 and a height error (Retracker 2). There is a height and backscatter error for Retracker 2 for one or more exercts. There is a height and backscatter error for Retracker 2 for one or more exercts. There is a height and backscatter error for Retracker 2 for one or more exercts. There is a height and backscatter error for Retracker 2 for one or more exercts. There is a height and backscatter error for Retracker 2 for one or more exercts. There is a height and backscatter error for Retracker 2 for one or more exercts. There is a height and backscatter error for Retracker 2 for one or more exercts. There is a height and backscatter error for Retracker 2 for one or more exercts. There is a height and backscatter error for Retracker 2 and a height error (Retracker 3). Backscatter error for Retracker 3 for one or more records. There is a height and backscatter error for Retracker 2 and a height error (Retracker 3). Backscatter error for Retracker 3 for one or more records. There is a height and backscatter error for Retracker 2 and a height error (Retracker	CS_OFFL_SIR_LRM_220200530T080058_20200530T082326_D001		· ·
CS_OFFL_SIR_LRM_2_20200530T084918_20200530T08509_D001 CS_OFFL_SIR_LRM_2_20200530T090246_20200530T092539_D001 CS_OFFL_SIR_LRM_2_20200530T0904452_20200530T100859_D001 CS_OFFL_SIR_LRM_2_20200530T094452_20200530T100859_D001 CS_OFFL_SIR_LRM_2_20200530T094452_20200530T100859_D001 CS_OFFL_SIR_LRM_2_20200530T094452_20200530T100859_D001 CS_OFFL_SIR_LRM_2_20200530T1093816_20200530T100859_D001 CS_OFFL_SIR_LRM_2_20200530T1093816_20200530T110428_D001 CS_OFFL_SIR_LRM_2_20200530T11849_20200530T113819_D001 CS_OFFL_SIR_LRM_2_20200530T11849_20200530T113819_D001 CS_OFFL_SIR_LRM_2_20200530T11849_20200530T113819_D001 CS_OFFL_SIR_LRM_2_20200530T115511_20200530T115540_D001 CS_OFFL_SIR_LRM_2_20200530T115556_20200530T115540_D001 CS_OFFL_SIR_LRM_2_20200530T115556_20200530T115540_D001 CS_OFFL_SIR_LRM_2_20200530T115556_20200530T115550_D001 CS_OFFL_SIR_LRM_2_20200530T130306_20200530T124329_D001 CS_OFFL_SIR_LRM_2_20200530T130306_20200530T124329_D001 CS_OFFL_SIR_LRM_2_20200530T130306_20200530T124329_D001 CS_OFFL_SIR_LRM_2_20200530T13002_20200530T13000 CS_OFFL_SIR_LRM_2_20200530T13006_20200530T1242246_D001 CS_OFFL_SIR_LRM_2_20200530T13006_20200530T1242246_D001 CS_OFFL_SIR_LRM_2_20200530T13006_20200530T142246_D001 CS_OFFL_SIR_LRM_2_20200530T13006_20200530T142246_D001 CS_OFFL_SIR_LRM_2_20200530T13006_20200530T142246_D001 CS_OFFL_SIR_LRM_2_20200530T13006_20200530T142246_D001 CS_OFFL_SIR_LRM_2_20200530T143740_20200530T144235_D001 CS_OFFL_SIR_LRM_2_20200530T143740_20200530T144235_D001 CS_OFFL_SIR_LRM_2_20200530T143740_20200530T144235_D001 CS_OFFL_SIR_LRM_2_20200530T143740_20200530T144235_D001 CS_OFFL_SIR_LRM_2_20200530T143740_20200530T144235_D001 CS_OFFL_SIR_LRM_2_20200530T144736_D001 CS_OFFL_SIR_LRM_2_20200530T144736_D001 CS_OFFL_SIR_LRM_2_20200530T144736_D001 CS_OFFL_SIR_LRM_2_20200530T144736_D001 CS_OFFL_SIR_LRM_2_20200530T144736_D001 CS_OFFL_SIR_LRM_2_20200530T144736_D001 CS_OFFL_SIR_LRM_2_20200530T144736_D001 CS_OFFL_SIR_LRM_2_20200530T144736_D001 CS_OFFL_SIR_LRM_2_20200530T144736_D000530T144235_D001 CS_	CS_OFFL_SIR_LRM_220200530T083033_20200530T083047_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
Error (Retracker 2) fecords CS_OFFL_SIR_LRM_2_20200530T108452_20200530T100859_D001	CS_OFFL_SIR_LRM_220200530T084918_20200530T085009_D001	(Retracker 3), Backscatter Error	
Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20200530T103815_20200530T110428_D001 CS_OFFL_SIR_LRM_2_20200530T111849_20200530T113819_D001 CS_OFFL_SIR_LRM_2_20200530T111849_20200530T113819_D001 CS_OFFL_SIR_LRM_2_20200530T114039_20200530T114313_D001 CS_OFFL_SIR_LRM_2_20200530T115514_D0200530T115540_D001 CS_OFFL_SIR_LRM_2_20200530T115514_D0200530T115540_D001 CS_OFFL_SIR_LRM_2_20200530T115566_20200530T115540_D001 CS_OFFL_SIR_LRM_2_20200530T115566_20200530T115654_D001 CS_OFFL_SIR_LRM_2_20200530T115566_20200530T115654_D001 CS_OFFL_SIR_LRM_2_20200530T120938_20200530T120938_20200530T120938_20200530T120938_20200530T133705_D001 CS_OFFL_SIR_LRM_2_20200530T133306_20200530T133705_D001 CS_OFFL_SIR_LRM_2_20200530T133306_20200530T135818_D001 CS_OFFL_SIR_LRM_2_20200530T133705_D001 CS_OFFL_SIR_LRM_2_20200530T140104_20200530T144935_D001 CS_OFFL_SIR_LRM_2_20200530T140104_20200530T144935_D001 CS_OFFL_SIR_LRM_2_20200530T145736_D001 CS_OFFL_SIR_LRM_2_2020053	CS_OFFL_SIR_LRM_220200530T090246_20200530T092539_D001	, ,	•
CS_OFFL_SIR_LRM_2_20200530T111849_20200530T113819_D001 CS_OFFL_SIR_LRM_2_20200530T111849_20200530T114313_D001 CS_OFFL_SIR_LRM_2_20200530T114039_20200530T114313_D001 CS_OFFL_SIR_LRM_2_20200530T114039_20200530T114313_D001 CS_OFFL_SIR_LRM_2_20200530T115511_20200530T115540_D001 CS_OFFL_SIR_LRM_2_20200530T115556_20200530T115540_D001 CS_OFFL_SIR_LRM_2_20200530T115556_20200530T115554_D001 CS_OFFL_SIR_LRM_2_20200530T115556_20200530T115540_D001 CS_OFFL_SIR_LRM_2_20200530T115556_20200530T112634_D001 CS_OFFL_SIR_LRM_2_20200530T1100338_20200530T120329_D001 CS_OFFL_SIR_LRM_2_20200530T133306_20200530T120329_D001 CS_OFFL_SIR_LRM_2_20200530T133306_20200530T133705_D001 CS_OFFL_SIR_LRM_2_20200530T1334920_20200530T135818_D001 CS_OFFL_SIR_LRM_2_20200530T134920_20200530T142246_D001 CS_OFFL_SIR_LRM_2_20200530T140104_20200530T142246_D001 CS_OFFL_SIR_LRM_2_20200530T140104_20200530T145736_D001 CS_OFFL_SIR_LRM_2_20200530T145722_20200530T145736_D001 CS_OFFL_SIR_LRM_2_20200530T1457342_20200530T145736_D001 CS_OFFL_SIR_LRM_2_20200530T	CS_OFFL_SIR_LRM_220200530T094452_20200530T100859_D001		ŭ
Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20200530T114039_20200530T114313_D001	CS_OFFL_SIR_LRM_220200530T103815_20200530T110428_D001	(Retracker 3), Backscatter Error	
Error (Retracker 2) Height Error (Retracker 3), Backscatter Error (Retracker 3) for one or more records CS_OFFL_SIR_LRM_2_20200530T115556_20200530T115654_D001 CS_OFFL_SIR_LRM_2_20200530T115556_20200530T115654_D001 CS_OFFL_SIR_LRM_2_20200530T120938_20200530T124329_D001 CS_OFFL_SIR_LRM_2_20200530T120938_20200530T124329_D001 CS_OFFL_SIR_LRM_2_20200530T133306_20200530T124329_D001 CS_OFFL_SIR_LRM_2_20200530T133306_20200530T135818_D001 CS_OFFL_SIR_LRM_2_20200530T134920_20200530T135818_D001 CS_OFFL_SIR_LRM_2_20200530T140104_20200530T142246_D001 CS_OFFL_SIR_LRM_2_20200530T140104_20200530T142246_D001 CS_OFFL_SIR_LRM_2_20200530T140104_20200530T142480_D001 CS_OFFL_SIR_LRM_2_20200530T140104_20200530T144935_D001 CS_OFFL_SIR_LRM_2_20200530T145740_20200530T144935_D001 CS_OFFL_SIR_LRM_2_20200530T145740_20200530T145736_D001 Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 3) is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height 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 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height 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 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height 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 3 for one or more records There is	CS_OFFL_SIR_LRM_220200530T111849_20200530T113819_D001		
CS_OFFL_SIR_LRM_2_20200530T115511_20200530T115540_D001 (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 3) for one or more records Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height 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 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height 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 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height 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 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height 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 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records	CS_OFFL_SIR_LRM_220200530T114039_20200530T114313_D001		
CS_OFFL_SIR_LRM_2_20200530T115556_20200530T115654_D001 (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Err	CS_OFFL_SIR_LRM_220200530T115511_20200530T115540_D001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_20200530T120938_20200530T124329_D001 CS_OFFL_SIR_LRM_2_20200530T133306_20200530T133705_D001 CS_OFFL_SIR_LRM_2_20200530T133306_20200530T133705_D001 CS_OFFL_SIR_LRM_2_20200530T134920_20200530T135818_D001 CS_OFFL_SIR_LRM_2_20200530T140104_20200530T142246_D001 CS_OFFL_SIR_LRM_2_20200530T140104_20200530T142246_D001 CS_OFFL_SIR_LRM_2_20200530T143740_20200530T14235_D001 CS_OFFL_SIR_LRM_2_20200530T143740_20200530T144935_D001 CS_OFFL_SIR_LRM_2_20200530T145736_D001 CS_OFFL_SIR_LRM_2_20200530T145122_20200530T145736_D001 CS_OFFL_SIR_LRM_2_20200530T145122_20200530T145736_D001 CS_OFFL_SIR_LRM_2_20200530T145124_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145145034_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145145034_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145124_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145124_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145734_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145124_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145734_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145734_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145734_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145734_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145734_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145734_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145734_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145734_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145734_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145734_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145734_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145734_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145734_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145734_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145734_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145734_20200530T145735_D001 CS_OFFL_SIR_LRM_2_20200530T145735	CS_OFFL_SIR_LRM_220200530T115556_20200530T115654_D001	(Retracker 3), Backscatter Error	
Error (Retracker 2) Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), B	CS_OFFL_SIR_LRM_220200530T120938_20200530T124329_D001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_20200530T134920_20200530T135818_D001 (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3),	CS_OFFL_SIR_LRM_2_20200530T133306_20200530T133705_D001		
CS_OFFL_SIR_LRM_2_20200530T140104_20200530T142246_D001 (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3),	CS_OFFL_SIR_LRM_220200530T134920_20200530T135818_D001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_20200530T143740_20200530T144935_D001 (Retracker 3), Backscatter Error (Retracker 2) CS_OFFL_SIR_LRM_2_20200530T145122_20200530T145736_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 and a neight error for Retra	CS_OFFL_SIR_LRM_220200530T140104_20200530T142246_D001	(Retracker 3), Backscatter Error	
Error (Retracker 2) records CS_OFFL_SIR_LRM_2_202005301145122_202005301145736_D001 Error (Retracker 2) records There is a height and backscatter error for Retracker 2 for one or more	CS_OFFL_SIR_LRM_220200530T143740_20200530T144935_D001	(Retracker 3), Backscatter Error	
	CS_OFFL_SIR_LRM_220200530T145122_20200530T145736_D001		
	CS_OFFL_SIR_LRM_220200530T145914_20200530T150357_D001		· ·

CS_OFFL_SIR_LRM_2_20200530T152853_20200530T160141_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_220200530T162014_20200530T165038_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_220200530T171007_20200530T172405_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_220200530T172539_20200530T174058_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_220200530T175742_20200530T180750_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_220200530T181409_20200530T182645_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_220200530T182720_20200530T182903_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200530T184307_20200530T190004_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_220200530T190117_20200530T190400_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_220200530T193417_20200530T195745_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_220200530T195903_20200530T200735_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_220200530T202139_20200530T202810_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200530T202813_20200530T202835_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200530T203659_20200530T205852_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_220200530T211321_20200530T214146_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_220200530T221239_20200530T223853_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_220200530T225304_20200530T232654_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_220200530T235323_20200530T235945_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	172	172	172	0	0
SIR_SAR_1B	125	125	125	0	0
SIR_SIN_1B	112	112	112	0	0
SIR_LRM_2	172	172	170	2	0
SIR_SAR_2	112	125	125	0	0
SIR_SIN_2	125	112	108	4	0
SIR_GDR_2	15	15	0	0	15

6.1 QCC Errors

Number of products with QCC errors:

15

Product Type | MPHDUTNCDF | MPHXPFNCDF | MPHXVFNCDF | MPHYPFNCDF | MPHYPFNCDF | MPHZPFNCDF | MPHZVFNCDF | STRUCTURESIZ

SIR_GDR_2_	15	15	15	15	15	15	15	15			
Test Description K	st Description Key:										
Abbreviation Test name				Details							
MPHDUTNCDF	MPH_De	elta_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)							
STRUCTURESIZE/	ANDFSTRUCT	TURE_SIZE_AND_	READ	Under investigatio	Under investigation.						

6.2 QCC Warnings

Number of QCC reports with warnings

Total number of occurrences of each warning

	Total name of occasioned of oach name						
Product Type	AXDME	AXSMMEOCI	-	-	-	-	-
SIR_LRM_2_	0	2					
SIR_SIN_2_	4	0					

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

6.2 Missing QCC Reports

Number of products with missing QCC reports:

0