

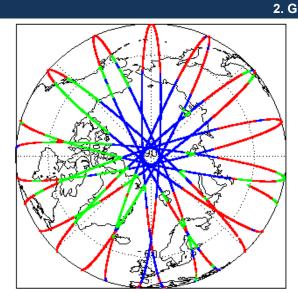
QA4EO Daily Report for OFFLINE data:

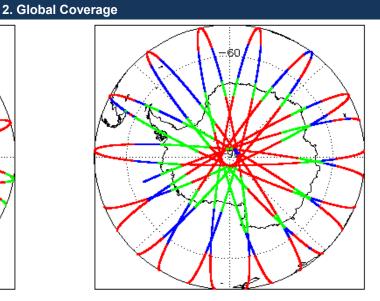
<u>11/08/2021</u>

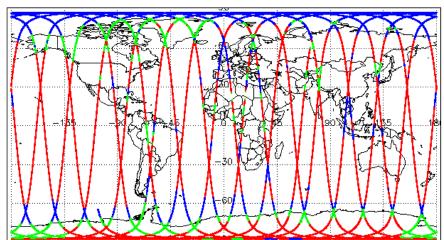
1. Overview

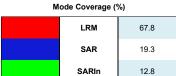
Report Production Date:	10-Sep-2021	Check	Status
Report Production Date:	10-Sep-2021	Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal
	CryoSat ice Processor	Product Software Check	Nominal
Data Used:	L1B and L2 OFFLINE Data	Product Format Check	Nominal
Data Oseu.	LID and LZ OFFLINE Data	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

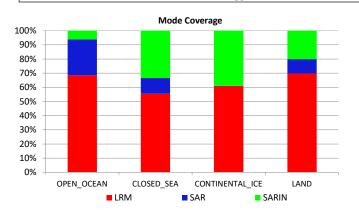
Mission / Instru	iment News
10-Aug-2021	None
11-Aug-2021	None
12-Aug-2021	Nothing planned

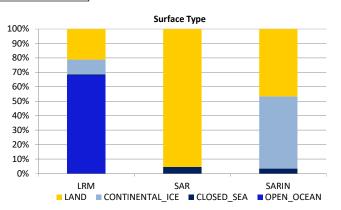












3. Instrument Configuration

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:

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_20210810T235935_20210811T000418_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T004049_20210811T004415_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T013541_20210811T014100_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T014133_20210811T014335_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T014338_20210811T014341_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T014345_20210811T014449_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T014452_20210811T014501_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T014504_20210811T020332_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T021525_20210811T022320_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T022906_20210811T030037_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T031534_20210811T031612_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T031917_20210811T032211_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T032222_20210811T032241_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T032245_20210811T032326_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T032857_20210811T033039_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T033224_20210811T033503_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T033507_20210811T033520_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T033558_20210811T033704_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T033706_20210811T033831_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T043109_20210811T044245_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T050202_20210811T050349_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T050404_20210811T050409_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T050413_20210811T050454_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T050456_20210811T050501_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T050504_20210811T050505_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T050509_20210811T050518_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T050521_20210811T050916_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T051113_20210811T051719_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T061654_20210811T062255_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T063433_20210811T070649_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T071626_20210811T071821_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T072913_20210811T074047_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T074210_20210811T074226_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T074228_20210811T074229_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T074232_20210811T075333_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T075611_20210811T080223_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T081515_20210811T083129_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T083421_20210811T083602_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T083610_20210811T083704_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T083706_20210811T084314_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210811T085500_20210811T085742_D001	Loss of echo	The tracking echo is missing for one or more records

CS OFFL SIR LRM 1B 20210811T092804 20210811T093124 D001 CS OFFL SIR LRM 1B 20210811T093126 20210811T094224 D001 CS OFFL SIR LRM 1B 20210811T095406 20210811T095623 D001 CS_OFFL_SIR_LRM_1B_20210811T095746_20210811T100336_D001 CS OFFL SIR LRM 1B 20210811T100620 20210811T100900 D001 CS_OFFL_SIR_LRM_1B_20210811T100904_20210811T102901_D001 CS OFFL SIR LRM 1B 20210811T103254 20210811T104136 D001 CS OFFL SIR LRM 1B 20210811T104454 20210811T110855 D001 CS_OFFL_SIR_LRM_1B_20210811T111127 20210811T111212 D001 CS OFFL SIR LRM 1B 20210811T111331 20210811T111746 D001 CS OFFL SIR LRM 1B 20210811T113455 20210811T113850 D001 CS_OFFL_SIR_LRM_1B_20210811T113852_20210811T114013_D001 CS_OFFL_SIR_LRM_1B_20210811T114056_20210811T120832_D001 CS_OFFL_SIR_LRM_1B_20210811T122422_20210811T125032_D001 CS OFFL SIR LRM 1B 20210811T125034 20210811T125035 D001 CS_OFFL_SIR_LRM_1B_20210811T125037_20210811T125251_D001 CS_OFFL_SIR_LRM_1B_20210811T125323_20210811T125555_D001 CS_OFFL_SIR_LRM_1B_20210811T125555_20210811T130215_D001 CS_OFFL_SIR_LRM_1B_20210811T131618_20210811T134623_D001 CS_OFFL_SIR_LRM_1B_20210811T141136_20210811T141838_D001 CS_OFFL_SIR_LRM_1B_20210811T142033_20210811T142046_D001 CS_OFFL_SIR_LRM_1B_20210811T142048_20210811T142530_D001 CS OFFL SIR LRM 1B 20210811T142952 20210811T143042 D001 CS_OFFL_SIR_LRM_1B_20210811T143220_20210811T143334_D001 CS OFFL SIR LRM 1B 20210811T143334 20210811T143540 D001 CS_OFFL_SIR_LRM_1B_20210811T143808_20210811T143839_D001 CS_OFFL_SIR_LRM_1B_20210811T145304_20210811T152615_D001 CS OFFL SIR LRM 1B 20210811T160125 20210811T160420 D001 CS OFFL SIR LRM 1B 20210811T160603 20210811T160902 D001 CS_OFFL_SIR_LRM_1B_20210811T161100_20210811T161212_D001 CS_OFFL_SIR_LRM_1B_20210811T161226_20210811T161253_D001 CS_OFFL_SIR_LRM_1B_20210811T163019_20210811T164140_D001 CS OFFL SIR LRM 1B 20210811T164426 20210811T170520 D001 CS_OFFL_SIR_LRM_1B_20210811T180912_20210811T181708_D001 CS OFFL SIR LRM 1B 20210811T181723 20210811T184438 D001 CS_OFFL_SIR_LRM_1B_20210811T185250_20210811T185510_D001 CS OFFL SIR LRM 1B 20210811T190336 20210811T191604 D001 CS_OFFL_SIR_LRM_1B_20210811T194755_20210811T195041_D001 CS_OFEL_SIR_LRM_1B_20210811T195045_20210811T195126_D001 CS OFFL SIR LRM 1B 20210811T195129 20210811T195347 D001 CS OFFL SIR LRM 1B 20210811T195738 20210811T200703 D001 CS OFFL SIR LRM 1B 20210811T200907 20210811T202342 D001 CS_OFFL_SIR_LRM_1B_20210811T204103_20210811T205103_D001 CS_OFFL_SIR_LRM_1B_20210811T205106_20210811T205251_D001 CS OFFL SIR LRM 1B 20210811T205732 20210811T205927 D001 CS_OFFL_SIR_LRM_1B_20210811T205930_20210811T211028_D001 CS_OFFL_SIR_LRM_1B_20210811T211152_20210811T211405_D001 CS_OFFL_SIR_LRM_1B_20210811T212643_20210811T213053_D001 CS_OFFL_SIR_LRM_1B_20210811T213151_20210811T213157_D001 CS_OFFL_SIR_LRM_1B_20210811T213159_20210811T213209_D001 CS_OFFL_SIR_LRM_1B_20210811T213212_20210811T213229_D001 CS_OFFL_SIR_LRM_1B_20210811T213232_20210811T214012_D001 CS_OFFL_SIR_LRM_1B_20210811T221122_20210811T221237_D001 CS_OFFL_SIR_LRM_1B_20210811T221832_20210811T224405_D001 CS OFFL SIR LRM 1B 20210811T224535 20210811T224605 D001 CS_OFFL_SIR_LRM_1B_20210811T224620_20210811T225149_D001 CS OFFL SIR LRM 1B 20210811T230528 20210811T231228 D001 CS_OFFL_SIR_LRM_1B_20210811T231231_20210811T231233_D001 CS_OFFL_SIR_LRM_1B_20210811T231237_20210811T231250_D001 CS_OFFL_SIR_LRM_1B_20210811T231746_20210811T233819_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

4.5 L1B Calibration Usage Check

Each product is checked in order to ensure that the necessary calibration files have been used in processing

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.

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Number of products with errors:

4.8 L1B Measurement Confidence Data Check

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20210811T075611_20210811T080223_D001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

5. Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220210811T000822_20210811T003203_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_220210811T004803_20210811T012040_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_220210811T013356_20210811T013527_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_220210811T013541_20210811T014100_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_220210811T014504_20210811T020332_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_220210811T022906_20210811T030037_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_220210811T031242_20210811T031458_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records

Q:Q:Q:Q:Q:Q:Q:Q:Q:Q:Q:Q:Q:Q:Q:Q:Q:Q:Q:	CS_OFFL_SIR_LRM_220210811T040716_20210811T042824_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
Control Each interact on the interact	CS_OFFL_SIR_LRM_220210811T043109_20210811T044245_D001		
Construction Construction Construction Construction Construction Press	CS_OFFL_SIR_LRM_220210811T045202_20210811T045524_D001		-
CCUT_CONCURS_CALCUPUTIONEC_ACCONTINUESEC_CONT Pair (Retarder 2) modes C2_COT_LON_LON_Z_2CONTINUESEC_CONTINUESEC_CONT Pair (Retarder 2) Back Retard 2) C3_COT_LON_LON_Z_2CONTINUESEC_CONTINUESEC_CONTINUESEC_CONT Pair (Retarder 2) Back Retard 2) C3_COT_LON_LON_Z_2CONTINUESEC_CONTINUESEC_CONTINUESEC_CONTINUESEC Pair (Retarder 2) Back Retard 2) C3_COT_LON_LON_Z_2CONTINUESEC_CONTINUESEC_CONTINUESEC Pair (Retarder 2) Back Retard 2) C3_COT_LON_LON_Z_2CONTINUESEC_CONTINUESEC Pair (Retarder 2) Back Retard 2) Back Retard 2) C3_COT_LON_LON_Z_2CONTINUESEC_CONTINUESEC_CONTINUESEC Pair (Retarder 2) Back Retard 2) Back Retard 2) C3_COT_LON_LON_Z_2CONTINUESEC_CONTINUESEC_CONTINUESEC Pair (Retarder 2) Back Retard 2) Back Retard 2) C3_COT_LON_LON_Z_2CONTINUESEC_CONTINUESEC Pair (Retarder 2) Back Retard 2) Back Retard 2) Back Retard 2) C3_COT_LON_LON_Z_2CONTINUESEC_CONTINUESEC Pair (Retarder 2) Back Retard 2) Back	CS_OFFL_SIR_LRM_220210811T051113_20210811T051719_D001		
Control Control Event in the second of the	CS_OFFL_SIR_LRM_220210811T051906_20210811T052915_D001		
CB, DFL_BRLEM_2_S21691116456_3216911102258_D001 Explicit for Second and the scalar of an increase. CB, DFL_BRLEM_2_S216911102568_D001 Height Err (Rescalar 2), height Err (Rescalar 2), height Err CB, DFL_BRLEM_2_S216911102568_D001 Height Err (Rescalar 2), height Err (Rescalar 2), height Err CB, DFL_BRLEM_2_S216911102568_D001 Height Err (Rescalar 2), height Err CB, DFL_BRLEM_2_S216911102569_T001 Height Err (Rescalar 2), height Err CB, DFL_BRLEM_2_S216911102569_T001 Height Err (Rescalar 2), height Err CB, DFL_BRLEM_2_S216911102569_T001 Height Err (Rescalar 2), height Err CB, DFL_BRLEM_2_S2216911102559_T001 Height Err (Rescalar 2), height Err CB, DFL_BRLEM_2_S2216911102550_D0101 Height Err (Rescalar 2), height Err CB, DFL_BRLEM_2_S2216911102550_D0101	CS_OFFL_SIR_LRM_220210811T054647_20210811T061627_D001		
CB: OFL_SR_URM_2_302108111003103_20210811100309_D010 Indexter ID (Rescuerce 3), backwatter Euror (Rescuerce 3), backwatter Euror	CS_OFFL_SIR_LRM_220210811T061654_20210811T062255_D001	Error (Retracker 2), Surface model	
CB_OFFL_SR_LINU_2_02108111072613_202108111072612_0001 Feended 7; Becounder Error CB_OFFL_SR_LINU_2_02108111072612_020108111072613_0001 Feedded 7; Becounder Error CB_OFFL_SR_LINU_2_02108111072613_02010 Error (Resounder 2), Becounder Error CB_OFFL_SR_LINU_2_02108111082142_0011 Surface Mode Unavailable No DEM or Suppl and backstatter error for Resounder 2 and a height error CB_OFFL_SR_LINU_2_02108111082142_0001 Error (Resounder 2), Becounder Error No DEM or Suppl and backstatter error for Resounder 2 and a height error CB_OFFL_SR_LINU_2_0210811108244_0001 Error (Resounder 2), Becounder Error No DEM or Suppl and backstatter error for Resounder 2 and a height error CB_OFFL_SR_LINU_2_0210811108244_0001 Error (Resounder 2), Becounder Error No E Enror for Resounder 2 and a height error CB_OFFL_SR_LINU_2_02108111108244_0001 Error (Resounder 2), Becounder Error No or or error for Resounder 2 and a height error CB_OFFL_SR_LINU_2_022108111108246_0001 Error	CS_OFFL_SIR_LRM_220210811T063433_20210811T070649_D001	(Retracker 3), Backscatter Error	
05 0FL_SRLLML_2_02108111074322_0210811105133_0001 Freidader 3) Freidader 3) Freidader 3) 05.0FL_SRLLML_2_0210811108155_021081108132_0001 Freidader 3) Freidader 3) Freidader 3) Freidader 3) 05.0FL_SRLLML_2_0210811108155_021081108128_0001 Freidader 3) Freidader 3) Freidader 3) Freidader 3) Freidader 3) 05.0FL_SRLLML_2_0210811108216_021100802_0001 Expl. Freidader 3) Freida	CS_OFFL_SIR_LRM_220210811T072913_20210811T074047_D001	(Retracker 3), Backscatter Error	
CS_OFTL_SIT_LINU_2_0210811108156_0210811108232_0001 (Relacked 2) (Relacked 2) Relacked 2) </td <td>CS_OFFL_SIR_LRM_220210811T074232_20210811T075333_D001</td> <td>(Retracker 3), Backscatter Error</td> <td></td>	CS_OFFL_SIR_LRM_220210811T074232_20210811T075333_D001	(Retracker 3), Backscatter Error	
Concernence End (Retacker 2) records CS_OFFL_SIR_LEM_2_20210811100526_002108111005226_0001 Surface Model Unavailable No DEM of Slope Model was used for the location of one or more records. CS_OFFL_SIR_LEM_2_20210811100526_002_00210811100525_0001 Hight Entror (Retacker 2), Height Entror (Retacker 2), Each and the Entror (Retacker 2). There is a height and backscatter error for Retacker 2 and a height error (Retacker 2). CS_OFFL_SIR_LEM_2_202108111100500_020108111100500_0001 Hight Entror (Retacker 2). There is a height and backscatter error for Retacker 2 for one or more records. CS_OFFL_SIR_LEM_2_202108111100500_020108111100500_0001 Hight Entror (Retacker 2). There is a height and backscatter error for Retacker 2 for one or more records. CS_OFFL_SIR_LEM_2_a02108111100500_02010010 Height Entror (Retacker 2). There is a height and backscatter error for Retacker 2 and a height error (Retacker 2). CS_OFFL_SIR_LEM_2_a02108111100501_0001 Height Entror (Retacker 2). Height Entror (Retacker 2). There is a height and backscatter error for Retacker 2 and a height error (Retacker 2). CS_OFFL_SIR_LEM_2_a02108111110500_00108111110500_0001 Height Entror (Retacker 2). Entror (Retacker 2). There is a height and backscatter error for Retacker 2 for one or more records. CS_OFFL_SIR_LEM_2_a02108111110100_001001111110500_0001 Height Entror (Retacker 2). Entror (Retacker 2). Th	CS_OFFL_SIR_LRM_220210811T081515_20210811T083129_D001	(Retracker 3), Backscatter Error	
Name Height Error (Ratasker 2) Height Error There is a height and backscatter error for Retracker 2 and a height error CS_OFFL_SIR_LEM_2_20210911T095/06_20210911T100330_DD01 Height Error (Ratasker 2) There is a height and backscatter error for Retracker 2 for one or more CS_OFFL_SIR_LEM_2_20210911T100620_20210911T100330_DD01 Height Error (Ratasker 2) There is a height and backscatter error for Retracker 2 for one or more CS_OFFL_SIR_LEM_2_20210911T100620_20210911T100620_D001 Height Error (Ratasker 2) Backscatter There is a height and backscatter error for Retracker 2 for one or more CS_OFFL_SIR_LEM_2_20210911T100620_20210911T100620_D001 Height Error (Ratasker 2) Backscatter There is a height and backscatter error for Retracker 2 and a height error CS_OFFL_SIR_LEM_2_20210911T100620_20210911T100620_D001 Height Error (Ratasker 2) Backscatter There is a height and backscatter error for Retracker 2 and a height error CS_OFFL_SIR_LEM_2_20210911T110454_20210811T110685_D001 Height Error (Ratasker 2) Backscatter There is a height and backscatter error for Retracker 2 and a height error CS_OFFL_SIR_LEM_2_20210911T11910_20210811T119282_D001 Height Error (Ratasker 2) Backscatter There is a height and backscatter error for Retracker 2 and a height error CS_OFFL_SIR_LEM_2_20210911T11910_20210811T1120832_D001 Height Error (Ratasker 2). B	CS_OFFL_SIR_LRM_220210811T092054_20210811T092337_D001		
CS_OFFL_SIR_LEM_2_20210811T006408_20210811T1005682_D001 (Refracker 3), Backscatter Emror Interesting in indicaduation and indigite indicaduation and indigite indicaduation. CS_OFFL_SIR_LEM_2_20210811T10085746_20210811T100358_D001 Height Enror (Retracker 2) There is a height and backscatter enror for Retracker 2 for one or more records. CS_OFFL_SIR_LEM_2_20210811T100804_20210811T100900_D001 Height Enror (Retracker 2) There is a height and backscatter enror for Retracker 2 for one or more records. CS_OFFL_SIR_LEM_2_20210811T100804_20210811T100900_D001 Height Enror (Retracker 2) There is a height and backscatter enror for Retracker 2 and a height enror (Retracker 2) CS_OFFL_SIR_LEM_2_20210811T100804_20210811T100900_20210811T100900 Height Enror (Retracker 2) There is a height and backscatter enror for Retracker 2 and a height enror (Retracker 2) CS_OFFL_SIR_LEM_2_20210811T100804_20210811T1100805_D001 Height Enror (Retracker 2) There is a height and backscatter enror for Retracker 2 for one or more records. CS_OFFL_SIR_LEM_2_20210811T1100805_D001 Height Enror (Retracker 2) There is a height and backscatter enror for Retracker 2 and a height enror (Retracker 2). CS_OFFL_SIR_LEM_2_20210811T1100805_D001 Height Enror (Retracker 2). There is a height and backscatter enror for Retracker 2 and a height enror (Retracker 2). CS_OFFL_SIR_LEM_2_20210811T110083_D001 Height Enror (Retracker 2). There is a height and backscatter enror for Retracker 2 and a height enro	CS_OFFL_SIR_LRM_220210811T093126_20210811T094224_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_202108117100802_0210811710000_D001 Enror (Retracker 2) necords CS_OFFL_SIR_LRM_2_202108117100802_02108117100000_D001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 and a height error (Retracker 2), Backscatter CS_OFFL_SIR_LRM_2_202108117100800_202108117100800_D001 Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 and a height error (Retracker 2), Backscatter CS_OFFL_SIR_LRM_2_2021081171104454_202108117110855_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_202108117110454_202108117110852_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_202108117110454_202108117110852_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_2021081171122422_2021081171126352_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_2021081171122452_02108117130215_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_2021081171431919_202108117144388_D001 Height Error (Retracker	CS_OFFL_SIR_LRM_220210811T095406_20210811T095623_D001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_20210811T100004_20210811T100004_2001 Emrir (Retracker 2) records CS_OFFL_SIR_LRM_2_20210811T100004_20210811T102001_D001 Height Emrir (Retracker 2) There is a height and backscatter error for Retracker 2 and a height error (Retracker 2) CS_OFFL_SIR_LRM_2_20210811T100004_20210811T1102001_D001 Height Emrir (Retracker 2) There is a height and backscatter error for Retracker 2 on one or more records CS_OFFL_SIR_LRM_2_20210811T110454_20210811T110055_D001 Height Emrir (Retracker 2) There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20210811T110052_D001 Height Emrir (Retracker 2) There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20210811T110052_D001 Height Emrir (Retracker 2) There is a height and backscatter error for Retracker 2 on one or more records CS_OFFL_SIR_LRM_2_20210811T112032_D001 Height Emrir (Retracker 2) There is a height and backscatter error for Retracker 2 on one or more records CS_OFFL_SIR_LRM_2_20210811T12032_D001 Height Emrir (Retracker 2) Backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20210811T13015_D001 Height Emrir (Retracker 2) Backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20210811T140319_20210811T14032_D001 Height Emrir (Retracker 2) Backscatter error for Retracker 2 for one or more records <	CS_OFFL_SIR_LRM_220210811T095746_20210811T100336_D001		
CS_OFFL_SIR_LRM_2_20210811T100904_20210811T102901_0001 (Reiracker 2), Backscatter Error (Retracker 2) Infere is a height and backscatter error for Retracker 2 and a height error (Retracker 2) CS_OFFL_SIR_LRM_2_20210811T104454_20210811T110855_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20210811T114055_0001 Height Error (Retracker 2), Height Error (Retracker 2) There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20210811T114055_0001 Height Error (Retracker 2), Height 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_20210811T114055_00210811T1120832_0001 Height Error (Retracker 2), Height 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_20210811T112555_02010811T1126032_0001 Height Error (Retracker 2), Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20210811T1130215_0001 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_2_20210811T1411111111114618_00010811T144183_0001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Ret	CS_OFFL_SIR_LRM_220210811T100620_20210811T100900_D001		-
CS_OFFL_SIR_LRM_2_20210811114438_20210811114439_20001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20210811111190_202108111111952_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_202108111114056_2021081111120832_D001 Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20210811T13055_D001 Height Error (Retracker 2), Backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20210811T131618_20210811T134623_D001 Height Error (Retracker 2), Backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20210811T141388_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backs	CS_OFFL_SIR_LRM_220210811T100904_20210811T102901_D001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_20210811111902_20210811111902_2001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_202108111114056_2021081111120832_D001 Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracke	CS_OFFL_SIR_LRM_220210811T104454_20210811T110855_D001		
CS_OFFL_SIR_LRM_2_20210811T114056_20210811T120832_D001 (Retracker 3) Backscatter Error (Retracker 2) Integet and backscatter error for Retracker 2 and a height end for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20210811T122422_20210811T125032_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_2_20210811T125555_20210811T130215_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_2_20210811T131618_20210811T134623_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_2_20210811T141136_20210811T144633_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), 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_2_20210811T14136_20210811T144183_D001 Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3) for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records CS_OFFL_SIR_LRM_2_20210811T145304_20210811T155950_D001	CS_OFFL_SIR_LRM_220210811T111910_20210811T111952_D001		
CS_OFFL_SIR_LRM_2_20210811T122422_00210811T130215_D001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20210811T125555_20210811T130215_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_20210811T131618_20210811T134623_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_20210811T141186_20210811T144623_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_20210811T141186_20210811T141838_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_20210811T141116_20210811T141838_D001 Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error for Retracker 2 and a height error for Retracker 2) There is a height and backscatter error for Retracker 2 and a height error for Retracker 2 and a height error (Retracker 2), Backscatter Error for Retracker 3 for one or more records CS_OFFL_SIR_LRM_2_20210811T145304_20210811T152615_D001 Height Error (Retracker 2), Height Error for Retracker 3 for one or more records CS_OFFL_SIR_LRM_2_20210811T154242_20210811T155950_D001 Height Error (Retracker 2), Backscatter Error for Retracker 3 for one or more records <	CS_OFFL_SIR_LRM_220210811T114056_20210811T120832_D001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_202108111130215_D001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_202108111131618_202108111134623_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_202108111141136_202108111144023_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_202108111141136_202108111144118_2001 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_202108111143919_202108111144111_D001 Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retr	CS_OFFL_SIR_LRM_220210811T122422_20210811T125032_D001		
CS_OFFL_SIR_LRM_2_20210811T1818_20210811T184623_D001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20210811T141136_20210811T141838_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error for Retracker 3 for one or more records CS_OFFL_SIR_LRM_2_20210811T154424_20210811T155950_D001 Height Error (Retracker 2), Backscatter Error for Retracker 2), Backscatter Error for Retracker 2), Backscatter Error (Retracker 2), Backscatter Error for Retracker 2), Backscatter Error for Retracker 2 for one or more CS_OFFL_SIR_LRM_2_20210811T154424_20210811T155950_D001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more CS_OFFL_SIR_LIM_2_20210811T161602_20210811T161709_D001 Height Error (Retracker 2), Backscatter There is a	CS_OFFL_SIR_LRM_220210811T125555_20210811T130215_D001		
CS_OFFL_SIR_LRM_2_20210811T141136_20210811T141838_D001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20210811T143919_20210811T144111_D001 Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter 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 (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error for Retracker 2) for one or more records	CS_OFFL_SIR_LRM_220210811T131618_20210811T134623_D001		
CS_OFFL_SIR_LRM_2_20210811T143919_20210811T144111_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 height error for Retracker 2 and a height error (Retracker 2) CS_OFFL_SIR_LRM_2_20210811T145304_20210811T152615_D001 Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), 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) CS_OFFL_SIR_LRM_2_20210811T154424_20210811T155950_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20210811T161602_20210811T161709_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records	CS_OFFL_SIR_LRM_220210811T141136_20210811T141838_D001		
CS_OFFL_SIR_LRM_2_20210811T145304_20210811T152615_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 height error for Retracker 2 and a height error records CS_OFFL_SIR_LRM_2_20210811T154424_20210811T155950_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20210811T161602_20210811T161709_D001 Height Error (Retracker 2), Backscatter error for Retracker 2 for one or more	CS_OFFL_SIR_LRM_220210811T143919_20210811T144111_D001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_20210811116424_202108111165950_D001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_202108111161602_202108111161709_D001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more	CS_OFFL_SIR_LRM_220210811T145304_20210811T152615_D001	(Retracker 3), Backscatter Error	
	CS_OFFL_SIR_LRM_220210811T154424_20210811T155950_D001	o	
	CS_OFFL_SIR_LRM_220210811T161602_20210811T161709_D001		

CS_OFFL_SIR_LRM_220210811T161817_20210811T162008_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_220210811T163019_20210811T164140_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_220210811T164426_20210811T170520_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_220210811T172249_20210811T174201_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_220210811T174240_20210811T174715_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_220210811T174836_20210811T175514_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_220210811T175514_20210811T175604_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_220210811T175618_20210811T175646_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_220210811T180912_20210811T181708_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_220210811T181723_20210811T184438_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_220210811T190336_20210811T191604_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_220210811T191706_20210811T193403_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_220210811T194755_20210811T195041_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210811T195738_20210811T200703_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_220210811T200907_20210811T202342_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_220210811T204103_20210811T205103_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_220210811T205930_20210811T211028_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_220210811T211152_20210811T211405_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_220210811T213232_20210811T214012_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210811T214828_20210811T220230_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_220210811T221832_20210811T224405_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_220210811T231746_20210811T233819_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
e	OCC Report Analysis	

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	163	163	163	0	0
SIR_SAR_1B	113	113	113	0	0
SIR_SIN_1B	108	108	108	0	0
SIR_LRM_2	163	163	160	3	0
SIR_SAR_2	108	113	113	0	0
SIR_SIN_2	113	108	105	3	0
SIR_GDR_2	14	14	0	0	14

6.1 QCC Errors

Number of products with QCC errors:

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

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SIR_GDR_2_	14 14	14	14	14	14	14	14			
	·	·								
Test Description Key:										
Abbreviation	Test name		Details							
MPHDUTNCDF	MPH_Delta_UT1_NetC	DF	Delta_UT1 mismate	ch						
MPHXPFNCDF	MPH_X_Position_Float	v2_NetCDF	X_Position mismate	ch (DBL float (GDF	R), rounded to 100)					
MPHXVFNCDF	MPH_X_Velocity_Float	v2_NetCDF	X_Velocity mismate	ch (DBL float (GDF	R), rounded to 1)					
MPHYPFNCDF	MPH_Y_Position_Float	v2_NetCDF	Y_Position mismate	ch (DBL float (GDF	R), rounded to 100)					
MPHYVFNCDF	MPH_Y_Velocity_Float	v2_NetCDF	Y_Velocity mismate	ch (DBL float (GDF	R), rounded to 1)					
MPHZPFNCDF	MPH_Z_Position_Float	v2_NetCDF	Z_Position mismate	ch (DBL float (GDF	R), rounded to 100)					
MPHZVFNCDF	MPH_Z_Velocity_Float	v2_NetCDF	Z_Velocity mismate	h (DBL float (GDF	R), rounded to 1)					
STRUCTURESIZEAND	STRUCTURE_SIZE_A	ND_READ	Under investigation	l.						

6.2 QCC Warnings

Number of QCC reports with warnings

Number of QCC repor	is with warnings	0								
	Total number of occurrences of each warning									
Product Type	AXDME	AXSMMEOCI	-	-	-	-	-			
SIR_LRM_2_	0	3								
SIR_SIN_2_	3	0								
						,				
Test Description Key:										
Abbreviation	Test name			Details						
AXDME	AttributeXrefDemMustExis	st		The xref_dem attribute is mandatory in SIN products over continental ice						
	A thaile and a Marcella in a Marcella INA			The surf class model is ma						
AXSMMEOCI	AttributeXretSiopeiviodelivi	lustExistOverContinentalIce		i ne xref_slope_model is ma	andatory in LRM products ov	er continental ice				
•	1			1						

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6.2 Missing QCC Reports

Number of products with missing QCC reports: