

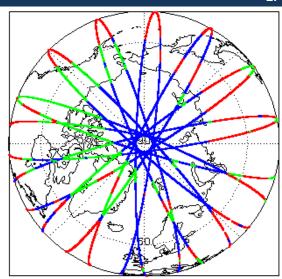
1. Overview

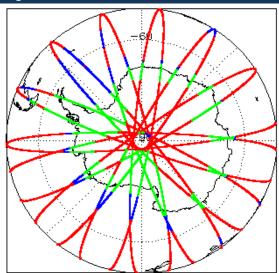
Report Production Date:	30-Apr-2020
Processor Used:	CryoSat Ice Processor
Data Used:	L1B and L2 OFFLINE Data

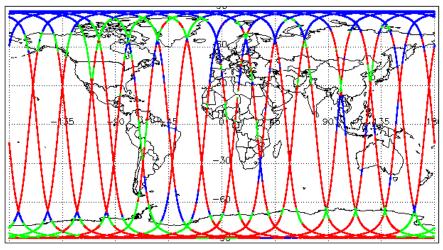
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check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

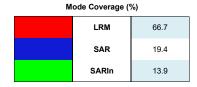
Mis	Mission / Instrument News		
31	-Mar-2020	None	
01	I-Apr-2020	None	
02	02-Apr-2020 SIRAL unavailability on 02-Apr-2020 from 18:09:29 to 19:56:55 due to a planned orbit manoeuvre.		

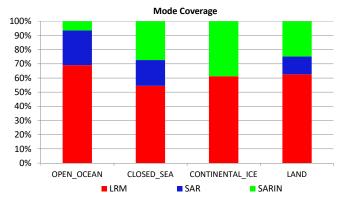
2. Global Coverage

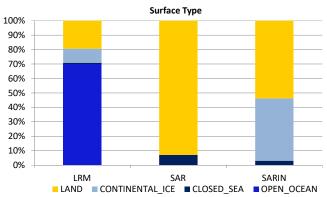












3. Instrument Configuration

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:

(

4.2 L1B Product Header Analysis

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

Number of products with errors:

0

4.3 Star Tracker Usage Check

Each product is checked in order to ensure a valid star tracker file has been used in processing.

Number of products with errors:

0

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: 1

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20200401T000505_20200401T003306_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T003308_20200401T003322_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T003324_20200401T003408_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T005659_20200401T010350_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T010512_20200401T013132_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T023538_20200401T023830_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T023904_20200401T024052_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T024147_20200401T024203_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T024206_20200401T024805_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T024808_20200401T024924_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T024950_20200401T025053_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T025056_20200401T025947_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T041336_20200401T041348_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T041736_20200401T041849_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T041900_20200401T042006_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T042325_20200401T042446_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T042629_20200401T043108_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T043119_20200401T045057_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T053853_20200401T054021_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T060217_20200401T060654_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T060733_20200401T062533_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T071753_20200401T071815_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T071819_20200401T071847_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T071850_20200401T071925_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T071929_20200401T072019_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T075158_20200401T080517_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T081355_20200401T081553_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T082232_20200401T083817_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T085303_20200401T085434_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T085436_20200401T085541_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T085545_20200401T090004_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T091722_20200401T092858_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T093424_20200401T093630_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T093633_20200401T093633_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T093636_20200401T093638_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T093641_20200401T093705_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T093707_20200401T093719_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T093721_20200401T093744_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T093747_20200401T094334_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T094406_20200401T094409_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T095213_20200401T095518_D001	Loss of echo	The tracking echo is missing for one or more records

Company Comp	CS_OFFL_SIR_LRM_1B_20200401T102537_20200401T102641_D001	Loss of echo	The tracking echo is missing for one or more records
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Company Comp			
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Comp. Comp			
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CS_OFT_ER_UTM_18_20200001713097_20000017130100_0000 CS_OFT_ER_UTM_18_20200001713097_20000017130100_0000 CS_OFT_ER_UTM_18_20200001713097_20000017130100_0000 CS_OFT_ER_UTM_18_20200001713097_20000017130100_0000 CS_OFT_ER_UTM_18_20200001713097_2000001713097_0000 CS_OFT_ER_UTM_18_20200001713097_20000017170097_0000 CS_OFT_ER_UTM_18_20200001713097_20000017170097_0000 CS_OFT_ER_UTM_18_20200001713097_20000017170097_0000 CS_OFT_ER_UTM_18_20200001713097_20000017170097_00000000000000000000000000			
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See OPE, Sirk Laws, 18, 2000441113004, 2000441114004, 2000441114001, 2000441114004, 2000441114004, 2000441114004, 2000441114001, 2000441114004, 2000441114004, 2000441114004, 2000441114004, 200044114004, 200044114004, 2000441			
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CS_OFFL_SIR_LRM_1B_20200401T210632_20200401T211350_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T214257_20200401T214612_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T214614_20200401T214633_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T214637_20200401T214650_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T214823_20200401T214854_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T215457_20200401T215632_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T215635_20200401T215907_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T215909_20200401T220310_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T220440_20200401T220310_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T220440_20200401T220310_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200401T204901_20200401T205056_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T214257_20200401T214612_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T214614_20200401T214633_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T214837_20200401T214650_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T214823_20200401T214854_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T215457_20200401T215632_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T215635_20200401T215907_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T215909_20200401T220310_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200401T205500_20200401T210429_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T214614_20200401T214633_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T214637_20200401T214650_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T214823_20200401T214854_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T215457_20200401T215632_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T215635_20200401T215907_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T215909_20200401T220310_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200401T210632_20200401T211350_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T214637_20200401T214650_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200401T214257_20200401T214612_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T214823_20200401T214854_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T215635_20200401T215907_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T215909_20200401T220310_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T220440_20200401T220755_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200401T214614_20200401T214633_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T215457_20200401T215632_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T215635_20200401T215907_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T215909_20200401T220310_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200401T214637_20200401T214650_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T215635_20200401T215907_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T2209200401T220310_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T220440_20200401T220755_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200401T214823_20200401T214854_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T215909_20200401T220310_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200401T220440_20200401T220755_D001 Loss of echo The tracking echo is missing for one or more records		Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T220440_20200401T220755_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200401T215635_20200401T215907_D001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20200401T215909_20200401T220310_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T222400_20200401T222915_D001 Loss of echo The tracking echo is missing for one or more records			
	CS_OFFL_SIR_LRM_1B_20200401T222400_20200401T222915_D001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20200401T222929_20200401T223136_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T223139_20200401T223258_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T223301_20200401T223307_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T223310_20200401T223314_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T223319_20200401T223337_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T223339_20200401T223418_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T223633_20200401T223732_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T230841_20200401T231008_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T231402_20200401T233803_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T233807_20200401T234915_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200401T235037_20200401T235121_D001	Loss of echo	The tracking echo is missing for one or more records

4.5 L1B Calibration Usage Check

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

lumber of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_SIN_1B_20200401T105127_20200401T105135_D001	Cal1 corr. missing	Ca1 Correction has not been applied

4.6 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.7 L1B Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag (field 54) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

4.8 L1B Measurement Confidence Data Check

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_SIN_1B_20200401T105127_20200401T105135_D001	Cal1 Correction missing,	Ca1 Correction has not been applied

5. Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors: 0

5.5 L2 Measurement Quality Flag Check

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

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

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

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220200401T000505_20200401T003306_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_220200401T010512_20200401T013132_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_220200401T014429_20200401T021905_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_220200401T024206_20200401T024805_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_220200401T032350_20200401T035755_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_220200401T043119_20200401T045057_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_20200401T050258_20200401T053740_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20200401T053853_20200401T054021_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20200401T054956_20200401T055015_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20200401T060217_20200401T060654_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_220200401T060733_20200401T062533_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_220200401T062759_20200401T063006_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_220200401T064345_20200401T071319_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20200401T071850_20200401T071925_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20200401T073242_20200401T075113_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_20200401T075158_20200401T080517_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_220200401T082232_20200401T083817_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_220200401T084019_20200401T084942_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_220200401T091722_20200401T092858_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_220200401T093424_20200401T093630_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200401T103016_20200401T103154_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200401T105517_20200401T110227_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_220200401T110237_20200401T112805_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_220200401T114106_20200401T120722_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_220200401T123820_20200401T130708_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_220200401T131957_20200401T134618_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_220200401T141257_20200401T144613_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_220200401T155100_20200401T162534_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_220200401T163750_20200401T165743_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_220200401T172943_20200401T180323_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_220200401T181717_20200401T185335_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_220200401T191209_20200401T192030_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records

	There is a height and backscatter error for Retracker 2 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 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
ace Model Unavailable	No DEM or Slope Model was used for the location of one or more records
	There is a height and backscatter error for Retracker 2 for one or more records
	There is a height and backscatter error for Retracker 2 for one or more records
	There is a height and backscatter error for Retracker 2 for one or more records
ace Model Unavailable	No DEM or Slope Model was used for the location of one or more records
ace Model Unavailable	No DEM or Slope Model was used for the location of one or more records
	There is a height and backscatter error for Retracker 2 for one or more records
	There is a height and backscatter error for Retracker 2 for one or more records
	There is a height and backscatter error for Retracker 2 for one or more records
ration Warning	The Calibration correction is missing or has been taken from the IPFDB instead of the Calibration products for one or more records
rate that the transport of the transport	cker 3), Backscatter Error cker 2) Error (Retracker 2), Height Error cker 3), Backscatter Error cker 3), Backscatter Error cker 2) Error (Retracker 2), Backscatter Retracker 2) Error (Retracker 2), Backscatter Retracker 2) Error (Retracker 2), Height Error cker 3), Backscatter Error cker 3), Backscatter Error cker 3), Backscatter Error cker 3), Backscatter Error cker 2) Error (Retracker 2), Backscatter Retracker 2)