



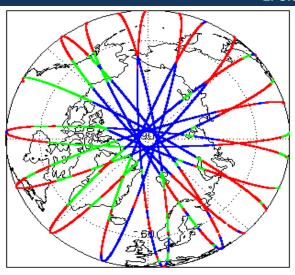
1. Overview

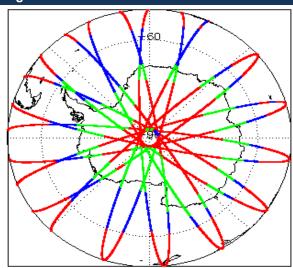
Report Production Date:	01-Nov-2019	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1B and L2 OFFLINE Data	

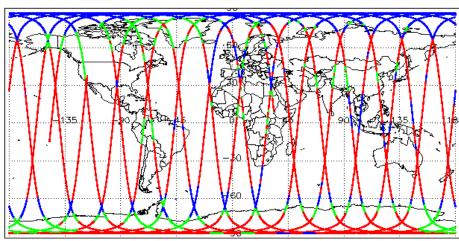
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check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

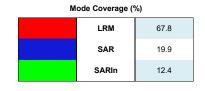
Mission / Insti	ument News
02-Oct-2019	None
03-Oct-2019	None
04-Oct-2019	Nothing planned

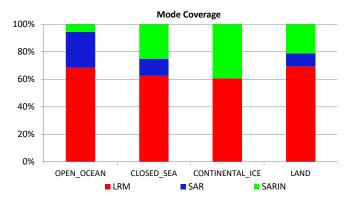
2. Global Coverage

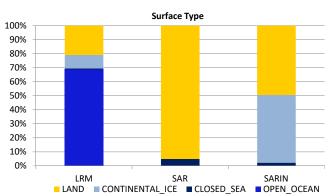












3. Instrument Configuration

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:

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.

Test Failed

Description

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: 0

4.4 L1B Tracking Flags Check

Product

CryoSat L1B data includes a tracking flag for each measurement record. The bit value of this flag indicates any problems when set.

Loss of Echo Flag: This flag is currently set for some products over land, but this is to be expected.

Number of products with errors: 83

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20191002T235730_20191003T000226_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T000332_20191003T000434_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T000647_20191003T000745_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T000921_20191003T001238_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T002955_20191003T010259_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T013803_20191003T014132_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T014316_20191003T014557_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T014824_20191003T014952_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T020712_20191003T021832_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T022118_20191003T024219_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T025957_20191003T031856_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20191003T034605 20191003T035001 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T035003_20191003T035359_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T035521_20191003T042131_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T042945_20191003T043208_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T044031_20191003T045258_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T052454_20191003T053040_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T053429_20191003T053457_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T053501_20191003T054353_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20191003T054557 20191003T060029 D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20191003T061738 20191003T062819 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T062822_20191003T062944_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20191003T063425 20191003T064718 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T064842_20191003T065052_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20191003T070327 20191003T070738 D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20191003T070834 20191003T070852 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T070854_20191003T071701_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T075531_20191003T082056_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T082210_20191003T082838_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T083001_20191003T083055_D001	Loss of echo	The tracking echo is missing for one or more records
	Loss of echo	
CS_OFFL_SIR_LRM_1B_20191003T084216_20191003T084939_D001		The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T085113_20191003T085211_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T085440_20191003T091525_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T093416_20191003T100151_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T102041_20191003T102838_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T102916_20191003T103117_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T103120_20191003T103339_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T103341_20191003T105734_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T110612_20191003T110940_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T115858_20191003T120328_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T120403_20191003T120624_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T120657_20191003T120740_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T120928_20191003T121039_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T121324_20191003T121355_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T121429_20191003T121802_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T121819_20191003T121957_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T122057_20191003T122210_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T122300_20191003T123004_D001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20191003T131720_20191003T132841_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T134302_20191003T134331_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T134954_20191003T135604_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T142029_20191003T142532_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T143231_20191003T150819_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T161231_20191003T162328_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T162418_20191003T162646_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T162655_20191003T162721_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T162723_20191003T162856_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T163337_20191003T164703_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T164706_20191003T164751_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T171952_20191003T173410_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T175129_20191003T180303_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T180413_20191003T180601_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T180802_20191003T181723_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T181922_20191003T182747_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T184034_20191003T185651_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T190211_20191003T191501_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T191935_20191003T192751_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T195328_20191003T195420_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T195423_20191003T195435_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T195823_20191003T195903_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T195951_20191003T200732_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T201856_20191003T201902_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T201928_20191003T202752_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T202846_20191003T205443_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T210110_20191003T210620_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T211124_20191003T213421_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T213638_20191003T213705_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T213722_20191003T214659_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T220552_20191003T220601_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T220604_20191003T223321_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T224959_20191003T231703_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T231743_20191003T232014_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191003T232047_20191003T232743_D001	Loss of echo	The tracking echo is missing for one or more records

4.5 L1B Calibration Usage Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_SIN_1B_20191003T074809_20191003T074815_D001	Cal1 correction missing	The Cal1 correction has not been applied

4.6 L1B Auxilary Data File Usage Check

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

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: 0

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_20191003T074809_20191003T074815_D001	Cal1 Correction missing	The Cal1 correction has not been applied

5. Level 2 Data Quality Check

5.1 L2 Product Format Check

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

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:

0

Product CS_OFFL_SIR_LRM_2_20191003T001614_20191003T001809_D001 Regtracker 3, Backscatter Error (Retracker 2), Height Error (Retracker 3) ackscatter Error (Retracker 3) ackscatter Error (Retracker 3) Backscatter Error (Retracker 3) For one or more records (Retracker 3) Backscatter Error (Retracker 2) Backscatter Err	eight error
CS_OFFL_SIR_LRM_2_20191003T001614_20191003T010259_D001 CS_OFFL_SIR_LRM_2_20191003T002955_20191003T010259_D001 CS_OFFL_SIR_LRM_2_20191003T012151_20191003T013645_D001 CS_OFFL_SIR_LRM_2_20191003T0212151_20191003T013645_D001 CS_OFFL_SIR_LRM_2_20191003T020712_20191003T021832_D001 CS_OFFL_SIR_LRM_2_20191003T020712_20191003T021832_D001 CS_OFFL_SIR_LRM_2_20191003T020712_20191003T021832_D001 CS_OFFL_SIR_LRM_2_20191003T022118_20191003T024219_D001 CS_OFFL_SIR_LRM_2_20191003T022118_20191003T031856_D001 CS_OFFL_SIR_LRM_2_20191003T025957_20191003T031856_D001 CS_OFFL_SIR_LRM_2_20191003T031940_20191003T032409_D001 CS_OFFL_SIR_LRM_2_20191003T031940_20191003T035001_D001 CS_OFFL_SIR_LRM_2_20191003T035003_20191003T035001_D001 CS_OFFL_SIR_LRM_2_20191003T035003_20191003T035059_D001 CS_OFFL_SIR_LRM_2_20191003T0350521_20191003T035059_D001 CS_OFFL_SIR_LRM_2_20191003T035003_20191003T035059_D001 CS_OFFL_SIR_LRM_2_20191003T035003_20191003T035059_D001 CS_OFFL_SIR_LRM_2_20191003T0350521_20191003T035059_D001 CS_OFFL_SIR_LRM_2_20191003T0350521_20191003T035059_D001 CS_OFFL_SIR_LRM_2_20191003T035003_20191003T035059_D001 CS_OFFL_SIR_LRM_2_20191003T035003_20191003T035059_D001 CS_OFFL_SIR_LRM_2_20191003T035003_20191003T035059_D001 CS_OFFL_SIR_LRM_2_20191003T035003_20191003T035059_D001 CS_OFFL_SIR_LRM_2_20191003	eight error
CS_OFFL_SIR_LRM_2_20191003T012955_20191003T013645_D001 (Retracker 3), Backscatter Error (Retracker 2), Height 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 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) for one or more records CS_OFFL_SIR_LRM_2_20191003T025957_20191003T031856_D001 Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) for one or more records Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retrac	
CS_OFFL_SIR_LRM_2_20191003T012151_20191003T013645_D001 (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3),	eight error
CS_OFFL_SIR_LRM_2_20191003T02118_20191003T021832_D001 (Retracker 3), Backscatter Error (Retracker 2), Surface Model Unavailable (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retrack	eight error
CS_OFFL_SIR_LRM_2_20191003T022118_20191003T024219_D001 (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3) for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one records There is a height and backscatter error for Retracker 2 for one records There is a height and backscatter error for Retracker 2 for one records There is a height and backscatter error for Retracker 2 for one records There is a height and backscatter error for Retracker 2 for one records There is a height and backscatter error for Retracker 2 for one records There is a height and backscatter error for Retracker 2 for one records There is a height and backscatter error for Retracker 2 for one records There is a height and backscatter error for Retracker 2 for one records There is a height and backscatter error for Retracker 2 for one records There is a height and backscatter error for Retracker 2 for one records There is a height and backscatter error for Retracker 2 for one records There is a height and backscatter error for Retracker 2 for one records There is a height and backscatter error for Retracker 2 for one records There is a height and backscatter error for Retracker 2 and a for Retracker 3 for one or more records	
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20191003T031940_20191003T032409_D001 Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 for one records CS_OFFL_SIR_LRM_2_20191003T035003_20191003T035001_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter	eight error
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20191003T034605_20191003T035001_D001 Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) CS_OFFL_SIR_LRM_2_20191003T035003_20191003T035359_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	or more
Error (Retracker 2) Error (Retracker 2) Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20191003T035003_20191003T035359_D001 Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3)	or more
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20191003T035521_20191003T042131_D001 Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3) for one or more records There is a height and backscatter error for Retracker 2 and a for Retracker 3 for one or more records Height Error (Retracker 2) Rackscatter.	or more
CS_OFFL_SIR_LRM_2_20191003T035521_20191003T042131_D001 (Retracker 3), Backscatter Error (Retracker 2) (Retracker 2) (Retracker 3), Backscatter Error (Retracker 3) for one or more records (Retracker 3) a height and backscatter error for Retracker 2 and a for Retracker 3 for one or more records	or more
Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one	eight error
CS_OFFL_SIR_LRM_220191003T044031_20191003T045258_D001	or more
CS_OFFL_SIR_LRM_2_20191003T045353_20191003T051053_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 for one records	or more
CS_OFFL_SIR_LRM_2_20191003T053429_20191003T053457_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 for one records	or more
CS_OFFL_SIR_LRM_2_20191003T053501_20191003T054353_D001 Height Error (Retracker 2), Height Error (Retracker 2) and a long terror (Retracker 3), Backscatter Error (Retracker 3) for Retracker 3 for one or more records	eight error
CS_OFFL_SIR_LRM_2_20191003T054557_20191003T060029_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 for one records	or more
CS_OFFL_SIR_LRM_2_20191003T061738_20191003T062819_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 for one records	or more
CS_OFFL_SIR_LRM_2_20191003T063425_20191003T064718_D001 Height Error (Retracker 2), Height Error (Retracker 2) and a long for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a long for Retracker 3 for one or more records	eight error
CS_OFFL_SIR_LRM_2_20191003T064842_20191003T065052_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Surface Model Unavailable There is a height and backscatter error for Retracker 2 and no Slope Model was used for the location of one or more records	DEM or
CS_OFFL_SIR_LRM_2_20191003T065408_20191003T065411_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 for one records	or more
CS_OFFL_SIR_LRM_2_20191003T070854_20191003T071701_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or m	ore records
CS_OFFL_SIR_LRM_2_20191003T075531_20191003T082056_D001 Height Error (Retracker 2), Height Error (Retracker 2) and a long for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a long for Retracker 3 for one or more records	eight error
CS_OFFL_SIR_LRM_2_20191003T085440_20191003T091525_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 for one records	or more
CS_OFFL_SIR_LRM_2_20191003T093416_20191003T100151_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 for one records	or more

CS_OFFL_SIR_LRM_220191003T102041_20191003T102838_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_20191003T102916_20191003T103117_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220191003T103120_20191003T103339_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220191003T103341_20191003T105734_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_220191003T111419_20191003T114742_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_220191003T115858_20191003T120328_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_220191003T125359_20191003T131713_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_220191003T131720_20191003T132841_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_220191003T133900_20191003T134110_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_220191003T134124_20191003T134136_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_220191003T135841_20191003T141459_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_220191003T143231_20191003T150819_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_220191003T151843_20191003T151953_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_20191003T153010_20191003T155307_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_20191003T161231_20191003T162328_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_20191003T162418_20191003T162646_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_220191003T162723_20191003T162856_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_20191003T163337_20191003T164703_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_20191003T170035_20191003T171746_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_20191003T171952_20191003T173410_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_220191003T180413_20191003T180601_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_220191003T180802_20191003T181723_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_20191003T183723_20191003T183906_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_220191003T184034_20191003T185651_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_2_20191003T190211_20191003T191501_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_220191003T194919_20191003T195130_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_220191003T195951_20191003T200732_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220191003T201856_20191003T201902_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_220191003T201928_20191003T202752_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_20191003T202846_20191003T205443_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_20191003T211124_20191003T213421_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_20191003T213638_20191003T213705_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20191003T213722_20191003T214659_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_220191003T220604_20191003T223321_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_220191003T224959_20191003T231703_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records

	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_220191003T233940_20191004T001143_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_SIN_220191003T074809_20191003T074815_D001		The Calibration correction is missing or has been taken from the IPFDB instead of the Calibration products for one or more records