

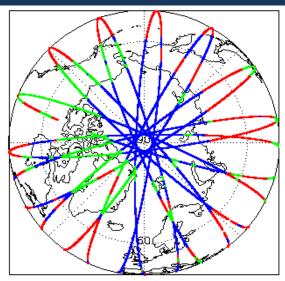
1. Overview

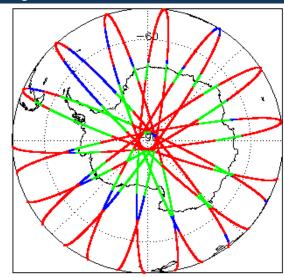
Report Production Date:	03-Apr-2020	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1B and L2 OFFLINE Data	

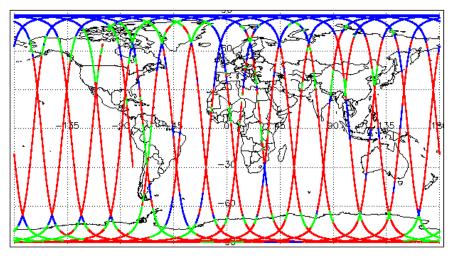
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check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

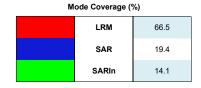
Mission / Instrument News		
04-Mar-2020	None	
05-Mar-2020	None	
06-Mar-2020	Nothing planned	

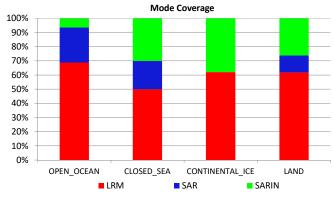
2. Global Coverage

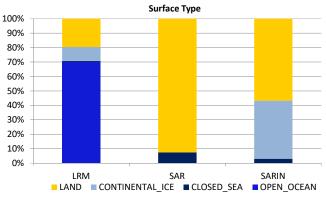












3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

4. Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

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: 10-

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20200304T234943_20200305T001243_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T001406_20200305T002233_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T002515_20200305T002544_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T003635_20200305T004141_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T004145_20200305T004309_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T004311_20200305T004439_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T004536_20200305T004613_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T005034_20200305T005042_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T011800_20200305T012135_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T012739_20200305T015645_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T021931_20200305T022628_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T022743_20200305T025409_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T030056_20200305T030423_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T035816_20200305T040108_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T040141_20200305T040325_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T040423_20200305T040439_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T040443_20200305T041501_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T041503_20200305T041602_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T041636_20200305T042243_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T044625_20200305T052031_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T053617_20200305T053625_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T054013_20200305T054124_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T054139_20200305T054236_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T054557_20200305T054724_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T054907_20200305T055330_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T055355_20200305T061332_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T070125_20200305T070221_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T070225_20200305T070255_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T072454_20200305T072927_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T073010_20200305T074742_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T084026_20200305T084031_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T084035_20200305T084108_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T084111_20200305T084201_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T084207_20200305T084253_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T091435_20200305T092759_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T093629_20200305T093827_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T094507_20200305T100049_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T100251_20200305T101214_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T101531_20200305T101629_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T101632_20200305T101653_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T101656_20200305T101820_D001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20200305T101824_20200305T101858_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T101900_20200305T101904_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T101907_20200305T102238_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T104001_20200305T105135_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T105814_20200305T105951_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T105957_20200305T110400_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T110404_20200305T110634_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T111446_20200305T112230_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T114809_20200305T114911_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T115233_20200305T115244_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T115248_20200305T115248_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T115252_20200305T115456_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T115459_20200305T115606_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T115610_20200305T115825_D001	Loss of echo Loss of echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T115828_20200305T120217_D001 CS_OFFL_SIR_LRM_1B_20200305T121753_20200305T125039_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20200305T125303 20200305T125518 D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20200305T125527 20200305T130124 D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20200305T130342 20200305T132948 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T133314_20200305T133750_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20200305T135458 20200305T135836 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T140056_20200305T142942_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T144230_20200305T151233_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T151315_20200305T151452_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T151526_20200305T151755_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T153527_20200305T160847_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T163209_20200305T163526_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T163530_20200305T163701_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T164706_20200305T164825_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T165105_20200305T165142_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T165201_20200305T165444_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T182336_20200305T182848_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T182951_20200305T183043_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T183051_20200305T183059_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T193334_20200305T193746_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T202841_20200305T202959_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T203002_20200305T203004_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T203006_20200305T203009_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T203020_20200305T203032_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T204746_20200305T204918_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T204923_20200305T204937_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T204939_20200305T204944_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T204947_20200305T205922_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T212340_20200305T213602_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T220756_20200305T220826_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T220832_20200305T220909_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T220912_20200305T221338_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T221737_20200305T222707_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T222909_20200305T223630_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T230443_20200305T230827_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T230830_20200305T230846_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T231056_20200305T231104_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T231729_20200305T231853_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T231857_20200305T232241_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T232713_20200305T233028_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T234637_20200305T235058_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T235111_20200305T235112_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T235114_20200305T235151_D001	Loss of echo	The tracking cabe is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T235201_20200305T235331_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T235333_20200305T235555_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_20200305T235614_20200305T235628_D001 CS_OFFL_SIR_LRM_1B_20200305T235630_20200305T235641_D001	Loss of echo Loss of echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200305T235630_20200305T235641_D001 CS_OFFL_SIR_LRM_1B_20200305T235910_20200306T000009_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 state of the s

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_20200305T163526_20200305T163530_D001	Cal1 corr. missing	The Cal1 correction is missing

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:

rs:

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_20200305T163526_20200305T163530_D001	Cal1 Correction missing,	The Cal1 correction is missing

5. Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

5.5 L2 Measurement Quality Flag Check

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

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

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

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

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

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

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

Number of products with errors: 55

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220200304T234943_20200305T001243_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_220200305T001406_20200305T002233_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_220200305T003635_20200305T004141_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200305T004311_20200305T004439_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200305T005146_20200305T011449_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records

Sign OFFL Bit URL 2 - 20000007100140 - 2000000710140 DOI 10 OFFL Bit URL 2 - 2000000710404 20000071040 DOI 10 OFFL Bit URL 2 - 2000000710404 20000071040 DOI 10 OFFL Bit URL 2 - 2000000710404 20000071040 DOI 10 OFFL Bit URL 2 - 2000000710404 20000071040 DOI 10 OFFL Bit URL 2 - 2000000710404 20000071040 DOI 10 OFFL Bit URL 2 - 200000071040 DOI 10 OFFL Bit URL 2 - 2000000710400 DOI 10 OFFL Bit URL 2 - 200000710400 DOI 10 OFFL Bit URL 2 - 2000000710400 DOI 10 OFFL Bit URL 2 - 2000000710400 DOI 10 OFFL Bit URL 2 - 2000000710400 DOI 10 OFFL Bit URL 2 - 200000710400 DOI 10 OFFL Bit URL 2 -	CS_OFFL_SIR_LRM_220200305T012739_20200305T015645_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
Conv. Communication (Conv. Com	CS_OFFL_SIR_LRM_220200305T022743_20200305T025409_D001		
Section (Control Control Contr	CS_OFFL_SIR_LRM_220200305T030703_20200305T034145_D001		
Inc. CPT., SRI, LINE 2, 20200000110404, 2000000110406, 200101 Inspit Line (Fernance 2) Integrations of New York Annual Part Part Part Part Part Part Part Part	CS_OFFL_SIR_LRM_220200305T040443_20200305T041501_D001		
CS OFFL SIRL LEW 2 20000000104502 (20000001102000 DOING 1000000000000000000000000000000000000	CS_OFFL_SIR_LRM_220200305T042732_20200305T043404_D001		ŭ
Large (Flore, Charles) Large	CS_OFFL_SIR_LRM_220200305T044625_20200305T052031_D001	(Retracker 3), Backscatter Error	
CS_OFFL_BILLIAN_2_0000000010000001100012_0000100011000100_00000000	CS_OFFL_SIR_LRM_220200305T054139_20200305T054236_D001		
Exp. (Fig. 1 pm. 2	CS_OFFL_SIR_LRM_220200305T055355_20200305T061332_D001		
CS_OFFL_SIR_LEM_2_0000005T109018_000005T109245_00001 CS_OFFL_SIR_LEM_2_0000005T109018_000005T109018_0001 CS_OFFL_SIR_LEM_2_0000005T109018_000005T109018_0001 CS_OFFL_SIR_LEM_2_0000005T109018_000005T109018_0001 CS_OFFL_SIR_LEM_2_0000005T109018_000005T100018_0001 CS_OFFL_SIR_LEM_2_0000005T109018_000005T100018_0001 CS_OFFL_SIR_LEM_2_0000005T100018_000005T100018_0001 CS_OFFL_SIR_LEM_2_0000005T100018_00005T100018_0001 CS_OFFL_SIR_LEM_2_0000005T100018_00005T100018_00005T100018_00005T100018_00005T100018_00005T100018_00005T100018_00005T100018_00005T100018_00005T100018_00005	CS_OFFL_SIR_LRM_220200305T062532_20200305T070012_D001		
Enry (Pictrosider 2) process Sept. SIR LIBML 2_20000005110901H_20000051001343_D001 Sept. SIR LIBML 2_20000005110901H_20000051001343_D001 Sept. SIR LIBML 2_20000005110901H_20000051001343_D001 Sept. SIR LIBML 2_200000051109141B_20000051100144_D001 Sept. SIR LIBML 2_200000051109141B_20000051100144_D001 Sept. SIR LIBML 2_200000051100014_2000051100144_D001 Sept. SIR LIBML 2_200000051100014_20000551100144_D001 Sept. Sir LIBML 2_200000051100014_20000551100144_D001 Sept. Sir LIBML 2_200000051100014_20000051100144_D001 Sept. Sir LIBML 2_200000051100014_20000551100144_D001 Sept. Sir LIBML 2_20000051100014_20000551100144_D001 Sept. Sir LIBML 2_20000051100014_20000551100144_D001 Sept. Sir LIBML 2_200000511100014_20000511100144_D001 Sept. Sir LIBML 2_200000511100014_20000551100044_D001 Sept. Sir LIBML 2_200000511100044_20000551100044_D001 Sept. Sir LIBML 2_200000511100044_20000551100044_D001 Sept. Sir LIBML 2_200000511100044_D001 Sept. Sir LIBML 2_200000511100044_2000051110004_D001 Sept. Sir LIBML 2_200000511100044_D001 Sept. Sir LIBML 2_20000051100044_D001051100044_D001 Sept. Sir LIBML 2_20000051100044_D001051100044_D001 Sept. Sir LIB	CS_OFFL_SIR_LRM_220200305T072454_20200305T072927_D001	(Retracker 3), Backscatter Error	
CS_OFFL_SRI_RN_2_2000005T109519_2000005T091420_0001 CS_OFFL_SRI_LRN_2_2000005T091592_2000005T091420_0001 CS_OFFL_SRI_LRN_2_2000005T091592_2000005T091420_0001 CS_OFFL_SRI_LRN_2_2000005T091592_2000005T091420_0001 CS_OFFL_SRI_LRN_2_2000005T091592_2000005T091592_0001 CS_OFFL_SRI_LRN_2_2000005T091592_2000005T091592_0001 CS_OFFL_SRI_LRN_2_2000005T10051_2000005T09159_0001 CS_OFFL_SRI_LRN_2_2000005T10051_2000005T09159_0001 CS_OFFL_SRI_LRN_2_2000005T10051_2000005T09159_0001 CS_OFFL_SRI_LRN_2_2000005T10051_2000005T09159_0001 CS_OFFL_SRI_LRN_2_2000005T10051_2000005T10051_0001 CS_OFFL_SRI_LRN_2_2000005T10051_2000005T10052_000001 CS_OFFL_SRI_LRN_2_2000005T10052_000005T10052_000001 CS_OFFL_SRI_LRN_2_2000005T10052_0000005T10052_000001 CS_OFFL_SRI_LRN_2_2000005T10052_000005T10052_000001 CS_OFFL_SRI_LRN_2_2000005T10052_000005T10052_000001 CS_OFFL_SRI_LRN_2_2000005T10052_000005T10052_000001 CS_OFFL_SRI_LRN_2_2000005T10052_000005T10052_000001 CS_OFFL_SRI_LRN_2_2000005T10052_000005T10052_000001 CS_OFFL_SRI_LRN_2_20000005T10052_0000001 CS_OFFL_SRI_LRN_2_20000005T10052_000001 CS_OFFL_SRI_LRN_2_	CS_OFFL_SIR_LRM_220200305T073010_20200305T074742_D001		
Exp (Retrocker 2) seconds Exp (Retrocker 2) sec	CS_OFFL_SIR_LRM_220200305T080618_20200305T083548_D001	(Retracker 3), Backscatter Error	
Error (Retracter 2). Beackscatter from (Retracter 2). Beackscatter from (Retracter 2). Broken and backscatter error for Retracter 2 and an DEM or Dispet from (Retracter 2). Surface mode of the location of one or more records. CS_OFFI_SIR_IRM20000006T104001_0000006T1010135_D001 CS_OFFI_SIR_IRM20000006T104001_0000006T105135_D001 CS_OFFI_SIR_IRM20000006T104001_0000006T105135_D001 CS_OFFI_SIR_IRM20000006T104001_0000006T105135_D001 CS_OFFI_SIR_IRM20000006T104001_0000006T105135_D001 CS_OFFI_SIR_IRM20000006T104135_D001 CS_OFFI_SIR_IRM20000006T104135_D001 CS_OFFI_SIR_IRM20000006T104135_D001 CS_OFFI_SIR_IRM20000006T112419_0000006T11353_D001 CS_OFFI_SIR_IRM20000006T112419_0000006T11353_D001 CS_OFFI_SIR_IRM20000006T112533_D000006T115254_D001 CS_OFFI_SIR_IRM20000006T112533_D000006T115254_D001 CS_OFFI_SIR_IRM20000006T112533_D000006T115254_D001 CS_OFFI_SIR_IRM20000006T11253_D000006T115254_D001 CS_OFFI_SIR_IRM20000006T11253_D000006T115254_D001 CS_OFFI_SIR_IRM20000006T10054_D000006T115254_D001 CS_OFFI_SIR_IRM20000006T10054_D000006T115254_D001 CS_OFFI_SIR_IRM20000006T10054_D000006T115252_D001 CS_OFFI_SIR_IRM20000006T10054_D000006T115252_D001 CS_OFFI_SIR_IRM20000006T10056_D000006T115253_D001 CS_OFFI_SIR_IRM20000006T10056_D000006T115253_D001 CS_OFFI_SIR_IRM20000006T10056_D000006T115253_D001 CS_OFFI_SIR_IRM20000006T10056_D000006T11523_D001 CS_OFFI_SIR_IRM20000006T10056_D000006T11523_D001 CS_OFFI_SIR_IRM20000006T10056_D000006T11523_D001 CS_OFFI_SIR_IRM20000006T10056_D000006T11523_D001 CS_OFFI_SIR_IRM20000006T10056_D000006T11523_D001 CS_OFFI_SIR_IRM20000006T10056_D000006T11523_D001 CS_OFFI_SIR_IRM20000006T10056_D000006T1100	CS_OFFL_SIR_LRM_2_20200305T085519_20200305T091343_D001		
Error (Retracker 2), Surface mode of more invariable in the public of the foliation of one or more records in the foliation of the foliation of one or more records in the foliation of the foliation of one or more records in the foliation of the folia	CS_OFFL_SIR_LRM_220200305T091435_20200305T092759_D001		
(Rehnacker 2) (Rehnacker 3) (R	CS_OFFL_SIR_LRM_2_20200305T094507_20200305T100049_D001	Error (Retracker 2), Surface model	
Error (Retracker 2) Surface Model Unavailable No DEM or Skipe Model was used for the location of one or more records Height Error (Retracker 2), Backscatter certification of the location of one or more records Surface Model Unavailable No DEM or Skipe Model was used for the location of one or more records No DEM or Skipe Model was used for the location of one or more records Surface Model Unavailable No DEM or Skipe Model was used for the location of one or more records No DEM or Skipe Model was used for the location of one or more records Surface Model Unavailable No DEM or Skipe Model was used for the location of one or more records No DEM or Skipe Model was used for the location of one or more records No DEM or Skipe Model was used for the location of one or more records No DEM or Skipe Model was used for the location of one or more records No DEM or Skipe Model was used for the location of one or more records Reflection (2) Reflec	CS_OFFL_SIR_LRM_220200305T100251_20200305T101214_D001	(Retracker 3), Backscatter Error	
Height Error (Retracker 2). Backscatter Error Retracker 2 and a height error Retracker 2 and	CS_OFFL_SIR_LRM_220200305T104001_20200305T105135_D001		ŭ
Error (Retracker 2) records Surface Model Unavailable No DEM or Stope Model was used for the location of one or more records Surface Model Unavailable No DEM or Stope Model was used for the location of one or more records No DEM or Stope Model was used for the location of one or more records Surface Model Unavailable No DEM or Stope Model was used for the location of one or more records No DEM or Stope Model was used for the location of one or more records No DEM or Stope Model was used for the location of one or more records No DEM or Stope Model was used for the location of one or more records No DEM or Stope Model was used for the location of one or more records No DEM or Stope Model was used for the location of one or more records No DEM or Stope 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 No DEM or Stope 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 or Retracker 3 for one or more records No DEM or Stope 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 and a height error for Retracker 3 for one or more records Retracker 3 for one or more records Retracker 3 for one or more records Sufface Model Unavailable No DEM or Stope Model was used for the location of 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 Retracker 2 for Retracker 2 for one or more records Retracker 2 for Retracker 2 for one or more records Retracker 3 for one or more re	CS_OFFL_SIR_LRM_220200305T105814_20200305T105951_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records Refracker 2, Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (R	CS_OFFL_SIR_LRM_220200305T112419_20200305T113953_D001	, ,	
CS_OFFL_SIR_LRM_2_20200305T130342_20200305T132948_D001 Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Err	CS_OFFL_SIR_LRM_2_20200305T115233_20200305T115244_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20200305T14036_20200305T142942_D001 CS_OFFL_SIR_LRM_2_20200305T14056_20200305T142942_D001 CS_OFFL_SIR_LRM_2_20200305T142942_D001 CS_OFFL_SIR_LRM_2_20200305T142942_D001 CS_OFFL_SIR_LRM_2_20200305T142942_D001 CS_OFFL_SIR_LRM_2_20200305T142942_D001 CS_OFFL_SIR_LRM_2_20200305T142942_D001 CS_OFFL_SIR_LRM_2_20200305T165927_20200305T160847_D001 CS_OFFL_SIR_LRM_2_20200305T165927_20200305T164825_D001 CS_OFFL_SIR_LRM_2_20200305T164706_20200305T164825_D001 CS_OFFL_SIR_LRM_2_20200305T165905_20200305T170022_D001 CS_OFFL_SIR_LRM_2_20200305T165905_20200305T170022_D001 CS_OFFL_SIR_LRM_2_20200305T165905_20200305T170022_D001 CS_OFFL_SIR_LRM_2_20200305T180042_20200305T170022_D001 CS_OFFL_SIR_LRM_2_20200305T180042_D000305T174808_D001 CS_OFFL_SIR_LRM_2_20200305T180042_20200305T192555_D001 CS_OFFL_SIR_LRM_2_20200305T180042_20200305T192555_D001 CS_OFFL_SIR_LRM_2_20200305T193949_20200305T200817_D001 CS_OFFL_SIR_LRM_2_20200305T193949_20200305T2049306_D001 CS_OFFL_SIR_LRM_2_20200305T193949_20200305T2049306_D001 CS_OFFL_SIR_LRM_2_20200305T193949_20200305T2049306_D001 CS_OFFL_SIR_LRM_2_20200305T204426_20200305T204936_D001 CS_OFFL_SIR_LRM_2_20200305T193949_20200305T2049306_D001 CS_OFFL_SIR_LRM_2_20200305T193949_20200305T2049306_D001 CS_OFFL_SIR_LRM_2_20200305T193949_20200305T2049306_D001 CS_OFFL_SIR_LRM_2_20200305T193949_20200305T2049306_D001 CS_OFFL_SIR_LRM_2_20200305T193949_20200305T2049306_D001 CS_OFFL_SIR_LRM_2_20200305T1	CS_OFFL_SIR_LRM_2_20200305T115252_20200305T115456_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20200305T140056_20200305T142942_D001 Height Error (Retracker 2), Height Error (Retracker 3) for one or more records There is a height and backscatter error for Retracker 2 and a height error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Err	CS_OFFL_SIR_LRM_220200305T121753_20200305T125039_D001		
CS_OFFL_SIR_LRM_2_20200305T140056_20200305T142942_D001 CS_OFFL_SIR_LRM_2_20200305T144230_20200305T151233_D001 CS_OFFL_SIR_LRM_2_20200305T144230_20200305T160847_D001 CS_OFFL_SIR_LRM_2_20200305T163527_20200305T160847_D001 CS_OFFL_SIR_LRM_2_20200305T164706_20200305T160847_D001 CS_OFFL_SIR_LRM_2_20200305T165905_20200305T170022_D001 CS_OFFL_SIR_LRM_2_20200305T171341_20200305T174808_D001 CS_OFFL_SIR_LRM_2_20200305T185217_20200305T185201_D001 CS_OFFL_SIR_LRM_2_20200305T185217_20200305T195555_D001 CS_OFFL_SIR_LRM_2_20200305T185217_20200305T195555_D001 CS_OFFL_SIR_LRM_2_20200305T185217_20200305T190225_D001 CS_OFFL_SIR_LRM_2_20200305T193949_20200305T203420_D00305T204306_D001 CS_OFFL_SIR_LRM_2_20200305T203420_20200305T2044306_D001 CS_OFFL_SIR_LRM_2_20200305T103442_20200305T204428_D001 CS_OFFL_SIR_LRM_2_20200305T204428_20200305T204428_D001 CS_OFFL_SIR_LRM_2_20200305T204428_20200305T204428_D001 CS_OFFL_SIR_LRM_2_20200305T204428_20200305T2044306_D001 CS_OFFL_SIR_LRM_2_20200305T204428_20200305T2044306_D	CS_OFFL_SIR_LRM_2_20200305T130342_20200305T132948_D001		
CS_OFFL_SIR_LRM_2_20200305T144230_20200305T151233_D001 (Retracker 3), Backscatter Error (Retracker 2) and a height error (Retracker 3) or noe or more records CS_OFFL_SIR_LRM_2_20200305T153527_20200305T160847_D001 CS_OFFL_SIR_LRM_2_20200305T164706_20200305T164825_D001 CS_OFFL_SIR_LRM_2_20200305T165905_20200305T170022_D001 CS_OFFL_SIR_LRM_2_20200305T165905_20200305T170022_D001 CS_OFFL_SIR_LRM_2_20200305T173441_20200305T174808_D001 CS_OFFL_SIR_LRM_2_20200305T180024_20200305T182021_D001 CS_OFFL_SIR_LRM_2_20200305T180024_20200305T192555_D001 CS_OFFL_SIR_LRM_2_20200305T185217_20200305T192555_D001 CS_OFFL_SIR_LRM_2_20200305T193949_20200305T203420_20200305T204306_D001 CS_OFFL_SIR_LRM_2_20200305T203420_20200305T204306_D001 CS_OFFL_SIR_LRM_2_20200305T203420_20200305T204308_D001 CS_OFFL_SIR_LRM_2_20200305T203420_20200305T2034308_D001 CS_OFFL_SIR_LRM_2_20200305T203420_20200305T2034308_D001 CS_OFFL_SIR_LRM_2_20200305T203420_20200305T2034308_D001 CS_OFFL_SIR_LRM_2_20200305T203420_20200305T2034308_D001 CS_OFFL_SIR_LRM_2_20200305T203420_20200305T2034308_D001 CS_OFFL_SIR_LRM_2_20200305T2034308_D001 CS_OFFL_SIR_LRM_2_20200305T203420_20200305T2034308_D001 CS_OFFL_SIR_LRM_2_20200305T203420_20200305T2034308_D001 CS_OFFL_SIR_LRM_2_20200305T203420_20200305T2034308_D001 CS_OFFL_SIR_LRM_2_20200305T203420_20200305T2034308_D001 CS_OFFL_SIR_LRM_2_20200305T203420_20200305T2034308_D001 CS_OFFL_SIR_LRM_2_20200305T2034308_D001 CS_OFFL_SIR_LRM_2_20200305T2034308_D001 CS_OFFL_SIR_LRM_2_20200305T2034308_D001 CS_OFFL_SIR_LRM_	CS_OFFL_SIR_LRM_2_20200305T140056_20200305T142942_D001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_20200305T163527_20200305T160847_D001 (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker	CS_OFFL_SIR_LRM_220200305T144230_20200305T151233_D001	(Retracker 3), Backscatter Error	
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20200305T165905_20200305T170022_D001 Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter	CS_OFFL_SIR_LRM_220200305T153527_20200305T160847_D001	(Retracker 3), Backscatter Error	
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20200305T171341_20200305T174808_D001 Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) CS_OFFL_SIR_LRM_2_20200305T180024_20200305T182021_D001 Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter	CS_OFFL_SIR_LRM_220200305T164706_20200305T164825_D001		
Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backsca	CS_OFFL_SIR_LRM_2_20200305T165905_20200305T170022_D001		
Error (Retracker 2) Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Height Error (Retracker 3), Backscatter Error (Retracker 3), Height Error (Retracker 3), Height Error (Retracker 3), Backscatter Erro	CS_OFFL_SIR_LRM_220200305T171341_20200305T174808_D001		
CS_OFFL_SIR_LRM_2_20200305T185217_20200305T192555_D001 (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3),	CS_OFFL_SIR_LRM_2_20200305T180024_20200305T182021_D001	Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_20200305T193949_20200305T200817_D001 (Retracker 3), Backscatter Error (Retracker 3) For Retracker 3 for one or more records CS_OFFL_SIR_LRM_2_20200305T203420_20200305T204306_D001 CS_OFFL_SIR_LRM_2_20200305T203420_20200305T204306_D001 CS_OFFL_SIR_LRM_2_20200305T203420_20200305T204318_D001 Height Error (Retracker 2), Backscatter From for Retracker 3 for one or more records Height Error (Retracker 2), Backscatter From for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records	CS_OFFL_SIR_LRM_220200305T185217_20200305T192555_D001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_20200305T203420_20200305T204306_D001 (Retracker 3), Backscatter Error (Retracker 3 for one or more records (Retracker 2) Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 and a neight error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a neight error for Retracker 2 and a neight error for Retracker 3 for one or more records	CS_OFFL_SIR_LRM_220200305T193949_20200305T200817_D001	(Retracker 3), Backscatter Error (Retracker 2)	
	CS_OFFL_SIR_LRM_220200305T203420_20200305T204306_D001	(Retracker 3), Backscatter Error	
	CS_OFFL_SIR_LRM_2_20200305T204746_20200305T204918_D001		

CS_OFFL_SIR_LRM_220200305T204947_20200305T205922_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_20200305T210112_20200305T210531_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_220200305T212340_20200305T213602_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_220200305T213805_20200305T215021_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_220200305T221737_20200305T222707_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_220200305T222909_20200305T223630_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_220200305T223737_20200305T224444_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_220200305T225930_20200305T230153_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_220200305T231056_20200305T231104_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200305T231729_20200305T231853_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200305T231857_20200305T232241_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_220200305T232315_20200305T232543_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_220200305T232713_20200305T233028_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_220200305T235201_20200305T235331_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200305T235333_20200305T235555_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_SIN_220200305T163526_20200305T163530_D001	Calibration Warning	The Calibration correction is missing or has been taken from the IPFDB instead of the Calibration products for one or more records