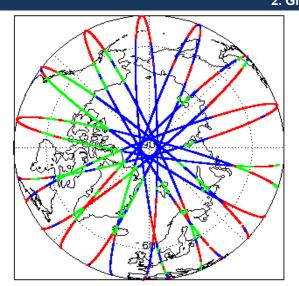


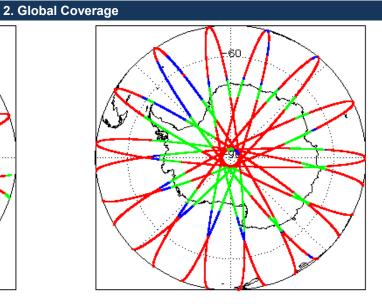
QA4EO Daily Report for OFFLINE data:

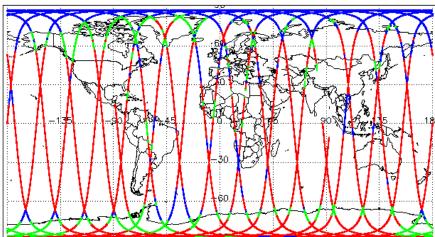
<u>14/03/2020</u>

1. Overview						
	16-Apr-2020	Check	Status			
Report Production Date:		Server check: science-pds.cryosat.esa.int	Nominal			
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal			
		Product Software Check	Nominal			
Data Used:	L1B and L2 OFFLINE Data	Product Format Check	Nominal			
Data Oseu.		Product Header Analysis	Nominal			
		Star Tracker Usage Check	Nominal			
		L1B Tracking Flag Check	See Section 4.4			
		L1B Calibration Usage Check	Nominal			
		L1B & L2 Auxiliary Data File Usage Check	Nominal			
		L1B & L2 Auxiliary Correction Error Check	Nominal			
		L1B & L2 Measurement Confidence Data Check	See Section 4.8 and 5.5			

Mission / Instrument News			
13-Mar-2020	None		
14-Mar-2020	None		
15-Mar-2020	Nothing planned		







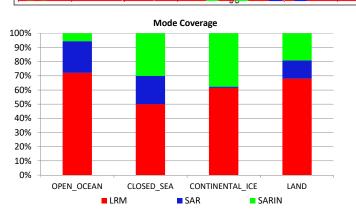
 Mode Coverage (%)

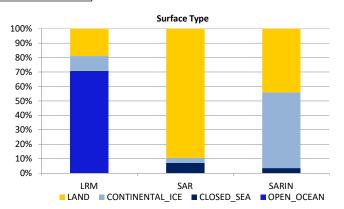
 LRM
 70.0

 SAR
 18.0

SARIn

12.0





3. Instrument Configuration

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

SIRAL - A

SIRAL instrument(s) in use:

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:

Test Failed

4.3 Star Tracker Usage Check

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

Number of products with errors:

4.4 L1B Tracking Flags Check

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

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

Number of products with errors:

Product Description CS OFFL SIR LRM 1B 20200314T002700 20200314T005351 D001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM 1B 20200314T005353 20200314T005401 D001 oss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM 1B 20200314T005409 20200314T010203 D001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM 1B 20200314T011910 20200314T012346 D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200314T012758_20200314T015339_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200314T020025_20200314T020350_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200314T025711_20200314T030041_D001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM 1B 20200314T030255 20200314T030337 D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200314T030340_20200314T032442_D001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM 1B 20200314T033451 20200314T034257 D001 Loss of echo The tracking echo is missing for one or more records Loss of echo CS_OFFL_SIR_LRM_1B_20200314T043454_20200314T043538_D001 The tracking echo is missing for one or more records CS OFFL SIR LRM 1B 20200314T043819 20200314T044154 D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200314T044212_20200314T044251_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200314T044831 20200314T045326 D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200314T045442_20200314T050041_D001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM 1B 20200314T060158 20200314T060220 D001 l oss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200314T061955_20200314T062043_D001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM 1B 20200314T062137 20200314T062307 D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200314T062346_20200314T062838_D001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM 1B 20200314T063153 20200314T063650 D001 Loss of echo The tracking echo is missing for one or more records Loss of echo CS_OFFL_SIR_LRM_1B_20200314T065548_20200314T065845_D001 The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200314T074013_20200314T074024_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200314T074029_20200314T074054_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200314T074056_20200314T074112_D001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM 1B 20200314T074114 20200314T074217 D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200314T085022_20200314T090115_D001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM 1B 20200314T090120 20200314T091154 D001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM 1B 20200314T091537 20200314T091704 D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200314T091707_20200314T091813_D001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM 1B 20200314T091818 20200314T091827 D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200314T091829_20200314T092031_D001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM 1B 20200314T092034 20200314T092037 D001 oss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM 1B 20200314T092040 20200314T092050 D001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM 1B 20200314T092055 20200314T092058 D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200314T092101_20200314T092159_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200314T093853_20200314T095032_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200314T095311_20200314T095611_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200314T095717_20200314T095919_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200314T095932_20200314T100906_D001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM 1B 20200314T101438 20200314T101707 D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200314T102338_20200314T103843_D001 Loss of echo The tracking echo is missing for one or more records

CS OFFL SIR LRM 1B 20200314T104022 20200314T104609 D001 CS OFFL SIR LRM 1B 20200314T104731 20200314T105536 D001 CS OFFL SIR LRM 1B 20200314T105607 20200314T105642 D001 CS_OFFL_SIR_LRM_1B_20200314T105650_20200314T105655_D001 CS OFFL SIR LRM 1B 20200314T105700 20200314T110205 D001 CS_OFFL_SIR_LRM_1B_20200314T111430_20200314T111553_D001 CS OFFL SIR LRM 1B 20200314T111715 20200314T112020 D001 CS OFFL SIR LRM 1B 20200314T112037 20200314T112425 D001 CS_OFFL_SIR_LRM_1B_20200314T112548 20200314T115006 D001 CS OFFL SIR LRM 1B 20200314T123325 20200314T123342 D001 CS OFFL SIR LRM 1B 20200314T123345 20200314T123659 D001 CS_OFFL_SIR_LRM_1B_20200314T125205_20200314T125303_D001 CS_OFFL_SIR_LRM_1B_20200314T125424_20200314T132929_D001 CS_OFFL_SIR_LRM_1B_20200314T134200_20200314T141744_D001 CS OFFL SIR LRM 1B 20200314T152105 20200314T153952 D001 CS_OFFL_SIR_LRM_1B_20200314T153958_20200314T154049_D001 CS_OFFL_SIR_LRM_1B_20200314T154051_20200314T154739_D001 CS_OFFL_SIR_LRM_1B_20200314T154918_20200314T155029_D001 CS_OFFL_SIR_LRM_1B_20200314T155207_20200314T155329_D001 CS_OFFL_SIR_LRM_1B_20200314T155403_20200314T155527_D001 CS_OFFL_SIR_LRM_1B_20200314T155741_20200314T155819_D001 CS_OFFL_SIR_LRM_1B_20200314T171455_20200314T171641_D001 CS OFFL SIR LRM 1B 20200314T171659 20200314T172404 D001 CS_OFFL_SIR_LRM_1B_20200314T172548_20200314T172830_D001 CS OFFL SIR LRM 1B 20200314T173119 20200314T173217 D001 CS_OFFL_SIR_LRM_1B_20200314T175220_20200314T180102_D001 CS_OFFL_SIR_LRM_1B_20200314T180348_20200314T182621_D001 CS OFFL SIR LRM 1B 20200314T185407 20200314T190125 D001 CS OFFL SIR LRM 1B 20200314T192844 20200314T192937 D001 CS_OFFL_SIR_LRM_1B_20200314T193810_20200314T200457_D001 CS_OFFL_SIR_LRM_1B_20200314T201214_20200314T201448_D001 CS_OFFL_SIR_LRM_1B_20200314T202257_20200314T203527_D001 CS OFFL SIR LRM 1B 20200314T210712 20200314T210738 D001 CS_OFFL_SIR_LRM_1B_20200314T210741_20200314T210752_D001 CS OFFL SIR LRM 1B 20200314T210754 20200314T210816 D001 CS_OFFL_SIR_LRM_1B_20200314T210819_20200314T210920_D001 CS OFFL SIR LRM 1B 20200314T210927 20200314T210946 D001 CS_OFFL_SIR_LRM_1B_20200314T210951_20200314T210952_D001 CS_OFEL_SIR_LRM_1B_20200314T210954_20200314T211000_D001 CS OFFL SIR LRM 1B 20200314T211300 20200314T211326 D001 CS OFFL SIR LRM 1B 20200314T211440 20200314T212621 D001 CS OFFL SIR LRM 1B 20200314T212824 20200314T214411 D001 CS_OFFL_SIR_LRM_1B_20200314T220001_20200314T220806_D001 CS_OFFL_SIR_LRM_1B_20200314T220826_20200314T221040_D001 CS OFFL SIR LRM 1B 20200314T221044 20200314T221213 D001 CS_OFFL_SIR_LRM_1B_20200314T221228_20200314T221339_D001 CS_OFFL_SIR_LRM_1B_20200314T221653_20200314T222806_D001 CS_OFFL_SIR_LRM_1B_20200314T222835_20200314T222859_D001 CS_OFFL_SIR_LRM_1B_20200314T222959_20200314T223142_D001 CS_OFFL_SIR_LRM_1B_20200314T224553_20200314T224937_D001 CS_OFFL_SIR_LRM_1B_20200314T224940_20200314T224941_D001 CS_OFFL_SIR_LRM_1B_20200314T224943_20200314T224950_D001 CS OFFL SIR LRM 1B 20200314T224955 20200314T225001 D001 CS_OFFL_SIR_LRM_1B_20200314T225004_20200314T225934_D001 CS OFFL SIR LRM 1B 20200314T233044 20200314T233153 D001 CS_OFFL_SIR_LRM_1B_20200314T233621_20200315T000034_D001

Loss of echo l oss of echo Loss of echo l oss of echo Loss of echo l oss of echo Loss of echo l oss of echo Loss of echo

The tracking echo is missing for one or more records The tracking echo is missing for one or more records

4.5 L1B Calibration Usage Check

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

Number of products with errors:

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:
0

Loss of echo

4.7 L1B Auxiliary Correction Error Check						
CryoSat L1B data includes a correction error flag (field 54) for each measurement r	ecord. The bit value of this flag indicates a	ny 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 meas	surement record. The bit value of this flag i	ndicates any problems when set.				
Currently, there are several common error flags raised in the Level 1B produce below, followed by a table of any additional issues arising from this test.	cts which are expected due to operatior	al mode or surface type. All common flags are summarised in the list				
Block Degraded Flag: This flag is currently set for a number of individual records	generally at the start or end of products (al	modes), but this is to be expected.				
Phase Perturbation Flag: This flag is currently set for all L1B SARIn products, ind	licating that the ADC correction application	is deactivated, but this is in line with the current configuration.				
Number of products with errors: 1						
Product	Test Failed	Description				
CS_OFFL_SIR_LRM_1B_20200314T125424_20200314T132929_D001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo				
5. Le	evel 2 Data Quality Checl	(
5.1 L2 Product Format Check						
Each product, retrieved and unpacked from the science server, is checked to ensu	re it consists of both an XML header file (.h	IDR) and a product file (.DBL).				
Number of products with errors: 0						
5.2 L2 Product Header Analysis						
For all products, a series of pre-defined checks are carried out on the MPH and SP	PH in order to identify any inconsistencies a	nd/or errors raised by the ground-segment processing chain.				
Number of products with errors: 0						
5.3 L2 Auxiliary Data File Usage Check						
Each product is checked for missing Data Set Descriptors with respect to a pre-det	ermined baseline and also to check the va	idity of Auxiliary Data Files is correct.				
Number of products with errors: 0						
5.4 L2 Auxiliary Correction Error Check						
CryoSat L2 data includes a correction error flag (field 30) for each measurement re	cord. The bit value of this flag indicates an	y 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 reco	rd. The bit value of this flag indicates any p	roblems 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 lat this is to be expected.	nd, but this is to be expected. Retracker 1	Height and Backscatter error flags are also set for products over sea-ice, but				
Peakiness error: This flag is currently set for products over sea-ice, but this is to be						
SARIN X-Track Angle Error: This flag is set when the difference between the com result this flag is set for L2 SARIn products in all other locations as expected.	nputed surface elevation and the DEM is >	50 m. The DEM is only available over Greenland and Antarctica and as a				
SSHA interpolation error: This flag is currently set for a number of SAR products	occurring at surface type boundaries, but	his is to be expected.				
Number of products with errors: 50						
Product	Test Failed	Description				
CS_OFFL_SIR_LRM_220200313T235452_20200314T001352_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_220200314T002700_20200314T005351_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_220200314T012758_20200314T015339_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), Backscatter Error (Retracker 2)

Height Error (Retracker 2), Backscatter

Height Error (Retracker 2), Backscatter Error (Retracker 2)

Height Error (Retracker 2), Backscatter Error (Retracker 2)

Height Error (Retracker 2), Backscatter Error (Retracker 2)

Error (Retracker 2)

Height Error (Retracker 2), Backscatter Error (Retracker 2) CS_OFFL_SIR_LRM_2__20200314T073342_20200314T073649_D001

CS_OFFL_SIR_LRM_2__20200314T020605_20200314T023933_D001

CS_OFFL_SIR_LRM_2__20200314T030340_20200314T032442_D001

CS_OFFL_SIR_LRM_2__20200314T034533_20200314T042020_D001

CS_OFFL_SIR_LRM_2__20200314T052504_20200314T054757_D001

CS_OFFL_SIR_LRM_2__20200314T063153_20200314T063650_D001

CS_OFFL_SIR_LRM_2__20200314T063838_20200314T065151_D001

CS_OFFL_SIR_LRM_2__20200314T070433_20200314T073203_D001

Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Height Error

records

records

records

records

records

There is a height and backscatter error for Retracker 2 and a height error (Retracker 3), Backscatter Error (Retracker 2) for Retracker 3 for one or more records

There is a height and backscatter error for Retracker 2 for one or more

There is a height and backscatter error for Retracker 2 for one or more

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

There is a height and backscatter error for Retracker 2 for one or more

There is a height and backscatter error for Retracker 2 for one or more

There is a height and backscatter error for Retracker 2 for one or more

CS_OFFL_SIR_LRM_220200314T075505_20200314T080156_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_220200314T080210_20200314T082622_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_220200314T085022_20200314T090115_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_220200314T090120_20200314T091154_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_220200314T093853_20200314T095032_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_220200314T095932_20200314T100906_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_220200314T102338_20200314T103843_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_220200314T104022_20200314T104609_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_220200314T111430_20200314T111553_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200314T111715_20200314T112020_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_220200314T112037_20200314T112425_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_220200314T112548_20200314T115006_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_220200314T120316_20200314T122042_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_220200314T125424_20200314T132929_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_20200314T134200_20200314T141744_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_220200314T143617_20200314T143859_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_20200314T144022_20200314T150826_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_220200314T152105_20200314T153952_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_220200314T154051_20200314T154739_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_20200314T161217_20200314T164724_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_20200314T165946_20200314T170254_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_20200314T171455_20200314T171641_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_220200314T175220_20200314T180102_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_220200314T180348_20200314T182621_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_220200314T183851_20200314T185219_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_220200314T185407_20200314T190125_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_220200314T190221_20200314T190627_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_220200314T193810_20200314T200457_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_220200314T202257_20200314T203527_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_220200314T203549_20200314T205306_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_220200314T210754_20200314T210816_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200314T210819_20200314T210920_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200314T211440_20200314T212621_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
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CS_OFFL_SIR_LRM_220200314T212824_20200314T214411_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_220200314T220001_20200314T220806_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_220200314T221653_20200314T222806_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_220200314T222959_20200314T223142_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200314T230748_20200314T232259_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_220200314T233621_20200315T000034_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records