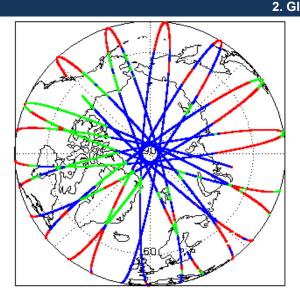


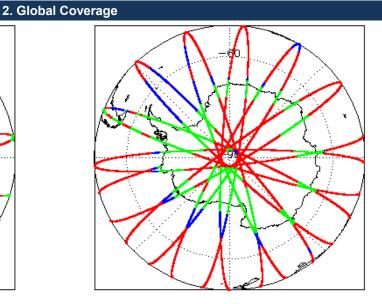
QA4EO Daily Report for OFFLINE data:

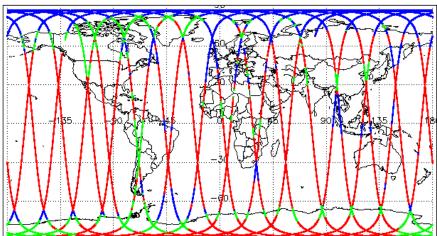
05/04/2020

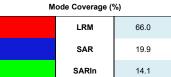
1. Overview			
			-
Report Production Date:	06-May-2020	Check	Status
		Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal
		Product Software Check	Nominal
Data Used:	L1B and L2 OFFLINE Data	Product Format Check	Nominal
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

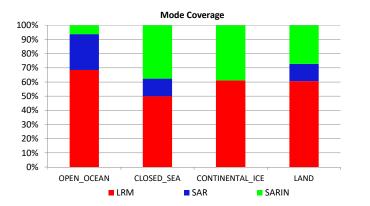
Mission / Instrument News		
04-Apr-2020	None	
05-Apr-2020	None	
06-Apr-2020	Nothing planned	

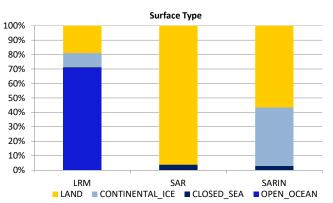












3. Instrument Configuration

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:

4.3 Star Tracker Usage Check

Each product is checked in order to ensure a valid star tracker file has been used in processing. 0

Number of products with errors:

4.4 L1B Tracking Flags Check

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

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

101

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20200405T000013_20200405T002927_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T005154_20200405T005904_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T005952_20200405T012643_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T013328_20200405T013656_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T023053_20200405T023338_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T023411_20200405T023459_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T023516_20200405T023545_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T023655_20200405T024454_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T024456_20200405T024701_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T024704_20200405T024712_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T024907_20200405T025604_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T041245_20200405T041352_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T041429_20200405T041442_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T041821_20200405T041955_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T042138_20200405T042534_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T053406_20200405T053528_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T055724_20200405T060148_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T071257_20200405T071329_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T071332_20200405T071337_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T071339_20200405T071349_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T071352_20200405T071418_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T071420_20200405T071445_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T071447_20200405T071525_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T074706_20200405T080042_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T080900_20200405T081100_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T081743_20200405T083322_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T083524_20200405T083721_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T083723_20200405T084447_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T084753_20200405T085042_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T085044_20200405T085049_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T085052_20200405T085056_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T085059_20200405T085115_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T085117_20200405T085510_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T091234_20200405T092405_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T093620_20200405T093639_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T093642_20200405T093820_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T094713_20200405T095503_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T102043_20200405T102146_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T102531_20200405T102707_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T102712_20200405T102716_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200405T102718_20200405T102828_D001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20200405T102830_20200405T102831_D001 CS OFFL SIR LRM 1B 20200405T102834 20200405T102846 D001 CS OFFL SIR LRM 1B 20200405T102850 20200405T102852 D001 CS_OFFL_SIR_LRM_1B_20200405T102855_20200405T102934_D001 CS OFFL SIR LRM 1B 20200405T102936 20200405T102941 D001 CS_OFFL_SIR_LRM_1B_20200405T102943_20200405T103027_D001 CS OFFL SIR LRM 1B 20200405T103029 20200405T103042 D001 CS OFFL SIR LRM 1B 20200405T103045 20200405T103445 D001 CS_OFFL_SIR_LRM_1B_20200405T105025 20200405T112311 D001 CS OFFL SIR LRM 1B 20200405T112805 20200405T113355 D001 CS OFFL SIR LRM 1B 20200405T113621 20200405T120206 D001 CS_OFFL_SIR_LRM_1B_20200405T120545_20200405T121031_D001 CS OFFL SIR LRM 1B 20200405T122729 20200405T123045 D001 CS_OFFL_SIR_LRM_1B_20200405T123325_20200405T130212_D001 CS OFFL SIR LRM 1B 20200405T131500 20200405T134315 D001 CS_OFFL_SIR_LRM_1B_20200405T134317_20200405T134422_D001 CS_OFFL_SIR_LRM_1B_20200405T134425_20200405T134433_D001 CS_OFFL_SIR_LRM_1B_20200405T134436_20200405T134502_D001 CS_OFFL_SIR_LRM_1B_20200405T134538_20200405T134728_D001 CS OFFL SIR LRM 1B 20200405T134801 20200405T135024 D001 CS_OFFL_SIR_LRM_1B_20200405T150412_20200405T150540_D001 CS_OFFL_SIR_LRM_1B_20200405T150542_20200405T150935_D001 CS OFFL SIR LRM 1B 20200405T151116 20200405T151759 D001 CS_OFFL_SIR_LRM_1B_20200405T152336_20200405T152421_D001 CS OFFL SIR LRM 1B 20200405T152439 20200405T152706 D001 CS_OFFL_SIR_LRM_1B_20200405T154620_20200405T162040_D001 CS_OFFL_SIR_LRM_1B_20200405T165613_20200405T170116_D001 CS OFFL SIR LRM 1B 20200405T170154 20200405T170322 D001 CS OFFL SIR LRM 1B 20200405T180330 20200405T180600 D001 CS_OFFL_SIR_LRM_1B_20200405T180616_20200405T181017_D001 CS_OFFL_SIR_LRM_1B_20200405T190108_20200405T190201_D001 CS_OFFL_SIR_LRM_1B_20200405T190205_20200405T190213_D001 CS OFFL SIR LRM 1B 20200405T190215 20200405T190238 D001 CS_OFFL_SIR_LRM_1B_20200405T190240_20200405T190259_D001 CS OFFL SIR LRM 1B 20200405T190301 20200405T190307 D001 CS_OFFL_SIR_LRM_1B_20200405T192017_20200405T193309_D001 CS OFFL SIR LRM 1B 20200405T195602 20200405T200836 D001 CS_OFFL_SIR_LRM_1B_20200405T204029_20200405T204133_D001 CS_OFEL_SIR_LRM_1B_20200405T204135_20200405T204136_D001 CS OFFL SIR LRM 1B 20200405T204144 20200405T204149 D001 CS OFFL SIR LRM 1B 20200405T204151 20200405T204356 D001 CS OFFL SIR LRM 1B 20200405T204358 20200405T204620 D001 CS_OFFL_SIR_LRM_1B_20200405T205008_20200405T205939_D001 CS_OFFL_SIR_LRM_1B_20200405T210215_20200405T211716_D001 CS OFFL SIR LRM 1B 20200405T213659 20200405T214014 D001 CS_OFFL_SIR_LRM_1B_20200405T215004_20200405T215116_D001 CS_OFFL_SIR_LRM_1B_20200405T215118_20200405T215158_D001 CS_OFFL_SIR_LRM_1B_20200405T215201_20200405T215203_D001 CS OFFL SIR LRM 1B 20200405T215207 20200405T215427 D001 CS_OFFL_SIR_LRM_1B_20200405T215956_20200405T220302_D001 CS_OFFL_SIR_LRM_1B_20200405T221910_20200405T222434_D001 CS_OFFL_SIR_LRM_1B_20200405T222437_20200405T222549_D001 CS OFFL SIR LRM 1B 20200405T222552 20200405T222822 D001 CS_OFFL_SIR_LRM_1B_20200405T223128_20200405T223240_D001 CS OFFL SIR LRM 1B 20200405T225857 20200405T230326 D001 CS_OFFL_SIR_LRM_1B_20200405T230347_20200405T230523_D001 CS OFFL SIR LRM 1B 20200405T230916 20200405T233449 D001 CS OFFL SIR LRM 1B 20200405T233451 20200405T233453 D001 CS_OFFL_SIR_LRM_1B_20200405T233456_20200405T234422_D001 CS_OFFL_SIR_LRM_1B_20200405T234545_20200405T234626_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

4.5 L1B Calibration Usage Check

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

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

inditiber of products with errors.

4.8 L1B Measurement Confidence Data Check

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

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

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

Phase Perturbation Flag: This flag is currently set for all L1B SARIn products, indicating that the ADC correction application is deactivated, but this is in line with the current configuration. Number of products with errors: 4

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20200405T023411_20200405T023459_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
CS_OFFL_SIR_LRM_1B_20200405T023516_20200405T023545_D001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20200405T041245_20200405T041352_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
CS_OFFL_SIR_LRM_1B_20200405T105025_20200405T112311_D001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

5. Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

5.3 L2 Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. Number of products with errors: 0

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.

45

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220200405T000013_20200405T002927_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_220200405T005952_20200405T012643_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_220200405T013938_20200405T021428_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_220200405T023655_20200405T024454_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_220200405T030004_20200405T030636_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_220200405T031901_20200405T035307_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_220200405T042624_20200405T044605_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_220200405T045806_20200405T053253_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_220200405T055724_20200405T060148_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_220200405T060240_20200405T062015_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_220200405T063847_20200405T070812_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_20200405T072754_20200405T074602_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_220200405T074706_20200405T080042_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_220200405T081743_20200405T083322_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_220200405T083524_20200405T083721_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_220200405T083723_20200405T084447_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_220200405T091234_20200405T092405_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_220200405T093008_20200405T093039_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200405T095653_20200405T101227_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_220200405T102718_20200405T102828_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200405T105025_20200405T112311_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_220200405T113621_20200405T120206_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_220200405T123325_20200405T130212_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_220200405T131500_20200405T134315_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_220200405T140746_20200405T144116_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_220200405T145355_20200405T150019_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_220200405T153133_20200405T153302_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_220200405T154620_20200405T162040_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_220200405T163257_20200405T165259_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_220200405T172445_20200405T174711_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_220200405T181220_20200405T184108_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_220200405T190740_20200405T191536_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_220200405T192017_20200405T193309_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_220200405T193402_20200405T193800_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_220200405T195602_20200405T200836_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_220200405T201050_20200405T202253_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_220200405T205008_20200405T205939_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
		There is a bailed and back and the second for Data along 0, and a bailed second
CS_OFFL_SIR_LRM_2_20200405T210215_20200405T211716_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_220200405T210215_20200405T211716_D001 CS_OFFL_SIR_LRM_220200405T215207_20200405T215427_D001	(Retracker 3), Backscatter Error	

CS OFFL SIR LRM 2 202004051215956 202004051220302 D001	-	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20200405T221910_20200405T222434_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200405T222437_20200405T222549_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200405T223918_20200405T225620_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_220200405T230916_20200405T233449_D001	S	There is a height and backscatter error for Retracker 2 for one or more records