

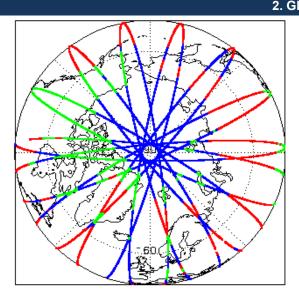
QA4EO Daily Report for OFFLINE data:

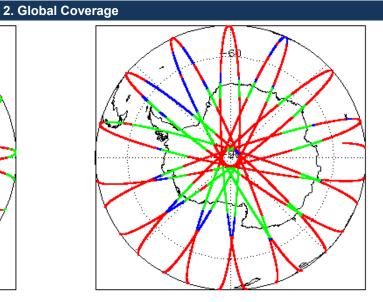
23/03/2020

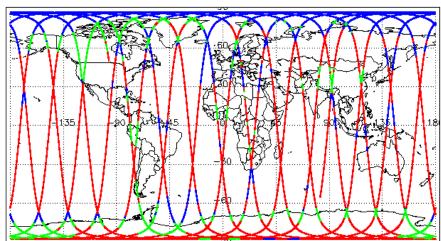
1. Overview

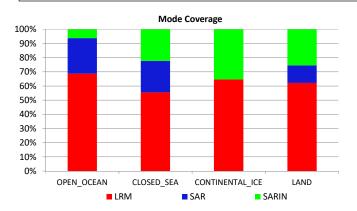
Papart Production Data	23-Apr-2020	Check	Status
Report Production Date:		Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal
		Product Software Check	Nominal
Data Used:	L1B and L2 OFFLINE Data	Product Format Check	Nominal
		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

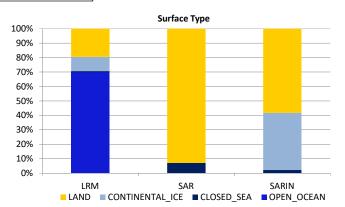
Mission / Instrument News		
22-Mar-2020	None	
23-Mar-2020	None	
24-Mar-2020	Nothing planned	











LRM	66.9
SAR	19.8
SARIn	13.3

Mode Coverage (%)

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.

110

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20200323T000248_20200323T000340_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T001511_20200323T002204_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T002208_20200323T002223_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T002400_20200323T002458_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T002717_20200323T004746_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T015617_20200323T020554_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T020557_20200323T023227_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T023852_20200323T024221_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T034216_20200323T034323_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T034605_20200323T035437_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T035519_20200323T040246_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T041349_20200323T041915_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T051828_20200323T051848_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T051934_20200323T051945_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T052237_20200323T052831_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T055311_20200323T055813_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T060326_20200323T063718_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T063958_20200323T064002_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T064005_20200323T064029_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T064032_20200323T064039_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T064041_20200323T064100_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T064103_20200323T064112_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T074358_20200323T075615_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T075618_20200323T075942_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T075944_20200323T075948_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T075950_20200323T075958_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T080001_20200323T080140_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T080622_20200323T081435_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T081803_20200323T081807_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T081811_20200323T081818_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T081822_20200323T081826_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T081832_20200323T081914_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T081918_20200323T081943_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T081946_20200323T081948_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T081954_20200323T082000_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T082005_20200323T082024_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T082027_20200323T082033_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T082035_20200323T082049_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T085235_20200323T090709_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T092306_20200323T093543_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T093611_20200323T093844_D001	Loss of echo	The tracking echo is missing for one or more records

CS OFFL SIR LRM 1B 20200323T094045 20200323T094102 D001 CS OFFL SIR LRM 1B 20200323T094105 20200323T095007 D001 CS OFFL SIR LRM 1B 20200323T095151 20200323T095529 D001 CS_OFFL_SIR_LRM_1B_20200323T095531_20200323T095531_D001 CS OFFL SIR LRM 1B 20200323T095537 20200323T095548 D001 CS_OFFL_SIR_LRM_1B_20200323T095550_20200323T095600_D001 CS OFFL SIR LRM 1B 20200323T095602 20200323T095649 D001 CS OFFL SIR LRM 1B 20200323T095653 20200323T100033 D001 CS_OFFL_SIR_LRM_1B_20200323T100143 20200323T100145 D001 CS OFFL SIR LRM 1B 20200323T101720 20200323T101752 D001 CS OFFL SIR LRM 1B 20200323T101824 20200323T102756 D001 CS OFFL SIR LRM 1B 20200323T102800 20200323T102806 D001 CS_OFFL_SIR_LRM_1B_20200323T102808_20200323T102809_D001 CS_OFFL_SIR_LRM_1B_20200323T102812_20200323T102934_D001 CS OFFL SIR LRM 1B 20200323T103446 20200323T104950 D001 CS_OFFL_SIR_LRM_1B_20200323T112627_20200323T112718_D001 CS_OFFL_SIR_LRM_1B_20200323T113106_20200323T113143_D001 CS_OFFL_SIR_LRM_1B_20200323T113232_20200323T113301_D001 CS_OFFL_SIR_LRM_1B_20200323T113306_20200323T113338_D001 CS_OFFL_SIR_LRM_1B_20200323T113342_20200323T113926_D001 CS_OFFL_SIR_LRM_1B_20200323T115138_20200323T115145_D001 CS_OFFL_SIR_LRM_1B_20200323T115434_20200323T120021_D001 CS OFFL SIR LRM 1B 20200323T120131 20200323T122840 D001 CS_OFFL_SIR_LRM_1B_20200323T123352_20200323T123857_D001 CS OFFL SIR LRM 1B 20200323T124138 20200323T130714 D001 CS_OFFL_SIR_LRM_1B_20200323T130920_20200323T131724_D001 CS_OFFL_SIR_LRM_1B_20200323T133913_20200323T140725_D001 CS OFFL SIR LRM 1B 20200323T142048 20200323T144908 D001 CS OFFL SIR LRM 1B 20200323T144910 20200323T144943 D001 CS OFFL SIR LRM 1B 20200323T145038 20200323T145259 D001 CS OFFL SIR LRM 1B 20200323T145332 20200323T145538 D001 CS_OFFL_SIR_LRM_1B_20200323T160832_20200323T161202_D001 CS OFFL SIR LRM 1B 20200323T161325 20200323T161812 D001 CS_OFFL_SIR_LRM_1B_20200323T161830_20200323T162330_D001 CS OFFL SIR LRM 1B 20200323T162951 20200323T163048 D001 CS_OFFL_SIR_LRM_1B_20200323T163111_20200323T163218_D001 CS OFFL SIR LRM 1B 20200323T180142 20200323T180610 D001 CS_OFFL_SIR_LRM_1B_20200323T180720_20200323T180804_D001 CS_OFEL_SIR_LRM_1B_20200323T182802_20200323T182920_D001 CS OFFL SIR LRM 1B 20200323T200633 20200323T200715 D001 CS OFFL SIR LRM 1B 20200323T200720 20200323T200736 D001 CS OFFL SIR LRM 1B 20200323T200741 20200323T200747 D001 CS_OFFL_SIR_LRM_1B_20200323T200749_20200323T200750_D001 CS_OFFL_SIR_LRM_1B_20200323T200752_20200323T200828_D001 CS OFFL SIR LRM 1B 20200323T200832 20200323T200835 D001 CS_OFFL_SIR_LRM_1B_20200323T200838_20200323T200840_D001 CS_OFFL_SIR_LRM_1B_20200323T200843_20200323T200849_D001 CS_OFFL_SIR_LRM_1B_20200323T202546_20200323T202640_D001 CS OFFL SIR LRM 1B 20200323T202644 20200323T204331 D001 CS_OFFL_SIR_LRM_1B_20200323T210027_20200323T211405_D001 CS_OFFL_SIR_LRM_1B_20200323T212943_20200323T213015_D001 CS_OFFL_SIR_LRM_1B_20200323T214515_20200323T214936_D001 CS OFFL SIR LRM 1B 20200323T214939 20200323T215306 D001 CS_OFFL_SIR_LRM_1B_20200323T215546_20200323T220605 D001 CS OFFL SIR LRM 1B 20200323T224245 20200323T225119 D001 CS_OFFL_SIR_LRM_1B_20200323T225509_20200323T225957_D001 CS OFFL SIR LRM 1B 20200323T230241 20200323T230827 D001 CS_OFFL_SIR_LRM_1B_20200323T232334_20200323T232910_D001 CS_OFFL_SIR_LRM_1B_20200323T232912_20200323T232949_D001 CS OFFL SIR LRM 1B 20200323T232952 20200323T232959 D001 CS OFFL SIR LRM 1B 20200323T233002 20200323T233015 D001 CS_OFFL_SIR_LRM_1B_20200323T233020_20200323T233040_D001 CS OFFL SIR LRM 1B 20200323T233042 20200323T233125 D001 CS_OFFL_SIR_LRM_1B_20200323T233128_20200323T233135_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

CS_OFFL_SIR_LRM_1B_20200323T233138_20200323T233142_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T233145_20200323T233150_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T233153_20200323T233201_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T233218_20200323T233307_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200323T233707_20200323T233738_D001	Loss of echo	The tracking echo is missing for one or more records

4.5.1.4.P. Calibratian Llagge Check			
4.5 L1B Calibration Usage Check			
Each product is checked in order to ensure that the necessary calibration files h	ave been used in processing.		
Number of products with errors: 1			
Product	Test Failed	Description	
CS_OFFL_SIR_SIN_1B_20200323T223008_20200323T223011_D001	Cal1 corr. missing	Cal1 Correction has not been applied	
4.6 L1B Auxilary Data File Usage Check			
Each product is checked for missing Data Set Descriptors with respect to a pre-	determined baseline and also to check th	he validity of Auxiliary Data Files is correct.	
Number of products with errors: 0			
4.7 L1B Auxiliary Correction Error Check			
CryoSat L1B data includes a correction error flag (field 54) for each measurement	nt record. The bit value of this flag indica	ates any problems when set.	
Number of products with errors: 0			
4.8 L1B Measurement Confidence Data Check			
CryoSat L1B data includes a measurement confidence flag (field 18) for each m	easurement record. The bit value of this	flag indicates any problems when set.	
Currently, there are several common error flags raised in the Level 1B pro- below, followed by a table of any additional issues arising from this test.	ducts which are expected due to oper	rational 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 record	is generally at the start or end of produc	ts (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 applic	cation is deactivated, but this is in line with the current configuration.	
Number of products with errors: 2			
Product	Test Failed	Description	
CS_OFFL_SIR_LRM_1B_20200323T142048_20200323T144908_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_SIN_1B_20200323T223008_20200323T223011_D001	Cal1 Correction missing,	Call Correction has not been applied	
5.	Level 2 Data Quality Ch	IECK	
5.1 L2 Product Format Check			
Each product, retrieved and unpacked from the science server, is checked to er	sure it consists of both an XML header t	file (.HDR) 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	SPH in order to identify any inconsisten	cies 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 th	he 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 indicate	es any problems when set.	
Number of products with errors: 0			
5.5 L2 Measurement Quality Flag Check			
CryoSat L2 data includes a quality flag (field 50) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.			
Currently, there are several common error flags raised in the Level 2 products which are expected due to operational mode or surface type. All common flags are summarised in the list below, followed by a table of any additional issues arising from this test.			
Freeboard error: This flag is correctly set in all L2 SAR products that are not discriminated as sea-ice, and for which freeboard cannot be calculated.			
Height and Backscatter errors: These flags are currently set for products over land, but this is to be expected. Retracker 1 Height and Backscatter error flags are also set for products over sea-ice, but this is to be expected.			
Peakiness error: This flag is currently set for products over sea-ice, but this is to be expected.			
SARIN X-Track Angle Error: This flag is set when the difference between the computed surface elevation and the DEM is >50 m. The DEM is only available over Greenland and Antarctica and as a result this flag is set for L2 SARIn products in all other locations as expected.			
SSHA interpolation error: This flag is currently set for a number of SAR products occurring at surface type boundaries, but this is to be expected.			
Number of products with errors: 59			
	Test Failed	Description	

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

No DEM or Slope Model was used for the location of one or more records

Surface Model Unavailable

CS_OFFL_SIR_LRM_2__20200323T000248_20200323T000340_D001

CS_OFFL_SIR_LRM_220200323T010545_20200323T013351_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_20200323T020557_20200323T023227_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_220200323T024529_20200323T032026_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_220200323T033329_20200323T033445_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_220200323T040536_20200323T040658_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_220200323T042419_20200323T044806_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_220200323T045006_20200323T045846_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_220200323T051205_20200323T051435_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_220200323T053120_20200323T055104_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_220200323T060326_20200323T063718_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_220200323T070256_20200323T072549_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_220200323T074358_20200323T075615_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_220200323T075618_20200323T075942_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_220200323T080001_20200323T080140_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_220200323T080622_20200323T081435_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_220200323T083411_20200323T085022_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_220200323T085235_20200323T090709_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_220200323T092306_20200323T093543_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_220200323T093611_20200323T093844_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_20200323T094045_20200323T094102_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_220200323T094105_20200323T095007_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_220200323T101435_20200323T101625_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_0FFL_SIR_LRM_220200323T101824_20200323T102756_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_220200323T103446_20200323T104950_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_220200323T110229_20200323T111930_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_220200323T112203_20200323T112414_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_220200323T113106_20200323T113143_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_0FFL_SIR_LRM_220200323T113342_20200323T113926_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200323T115138_20200323T115145_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_220200323T120131_20200323T122840_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_220200323T124138_20200323T130714_D001	Reight 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_0FFL_SIR_LRM_220200323T133913_20200323T140725_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_220200323T142048_20200323T144908_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_220200323T145717_20200323T145906_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_220200323T151219_20200323T154659_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_220200323T155916_20200323T160542_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_220200323T163602_20200323T163922_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_220200323T165159_20200323T170026_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200323T170311_20200323T172617_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_220200323T173816_20200323T175233_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_220200323T175333_20200323T175816_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_220200323T183046_20200323T190413_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_220200323T192225_20200323T195346_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_220200323T201350_20200323T202105_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_220200323T202546_20200323T202640_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_220200323T202644_20200323T204331_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_220200323T210027_20200323T211405_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_220200323T211731_20200323T212755_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_220200323T212943_20200323T213015_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_220200323T214939_20200323T215306_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200323T215546_20200323T220605_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_220200323T220745_20200323T222238_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_220200323T224245_20200323T225119_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_220200323T225509_20200323T225957_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_220200323T233002_20200323T233015_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200323T233844_20200324T000149_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_SIN_220200323T223008_20200323T223011_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