

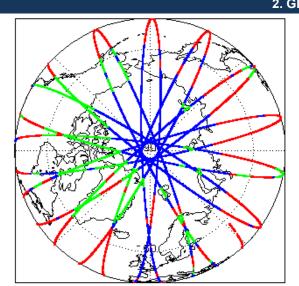
QA4EO Daily Report for OFFLINE data:

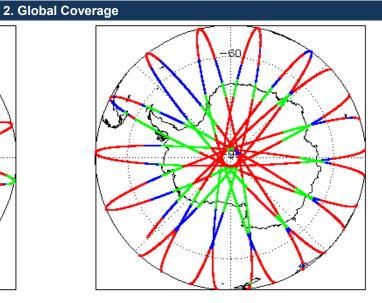
<u>19/05/2020</u>

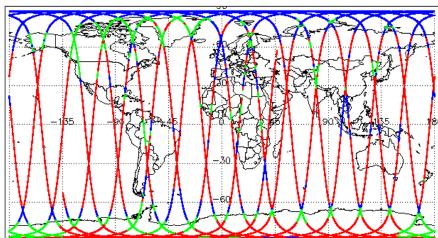
1. Overview

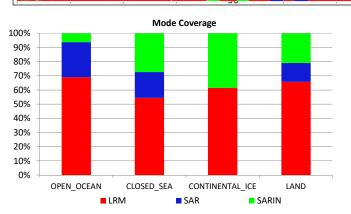
Banart Braduation Data	18-Jun-2020	Check	Status
Report Production Date:		Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal
Processor used.	CryoSat ice Processor	Product Software Check	Nominal
Data Used:		Product Format Check	Nominal
Data Used:	L1B and L2 OFFLINE Data	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

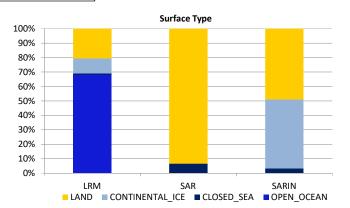
Mission / Instrument News		
18-May-2020	None	
19-May-2020	None	
20-May-2020	Nothing planned	











LRM	67.5
SAR	19.5
SARIn	13.0

Mode Coverage (%)

3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

0

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.

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20200518T235728_20200519T000049_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T000122_20200519T000326_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T000329_20200519T000332_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T000336_20200519T000443_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T000446_20200519T000454_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T000456_20200519T001121_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T001124_20200519T002258_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T003518_20200519T004311_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T013928_20200519T014154_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T014206_20200519T014251_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T014846_20200519T015028_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T015213_20200519T015524_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T015555_20200519T015643_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T015645_20200519T015751_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T030128_20200519T030139_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T030144_20200519T030236_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T032147_20200519T032330_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T032410_20200519T032458_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T032501_20200519T032501_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T032503_20200519T032926_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T033057_20200519T033707_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T044011_20200519T044036_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T044039_20200519T044044_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T044046_20200519T044230_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T051414_20200519T052648_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T053614_20200519T053809_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T054003_20200519T054313_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T054508_20200519T060033_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T060236_20200519T061255_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T061549_20200519T062217_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T063719_20200519T065115_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T065413_20200519T065538_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T065556_20200519T065729_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T065732_20200519T070300_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T071445_20200519T071729_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T074749_20200519T075033_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T075037_20200519T075054_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T075100_20200519T075104_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T075107_20200519T075155_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T075157_20200519T075354_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200519T075359_20200519T080208_D001	Loss of echo	The tracking echo is missing for one or more records

CS OFFL SIR LRM 1B 20200519T081736 20200519T082320 D001 CS OFFL SIR LRM 1B 20200519T082604 20200519T084944 D001 CS OFFL SIR LRM 1B 20200519T085242 20200519T090119 D001 CS_OFFL_SIR_LRM_1B_20200519T090406_20200519T092847_D001 CS OFFL SIR LRM 1B 20200519T093352 20200519T093729 D001 CS_OFFL_SIR_LRM_1B_20200519T095226_20200519T095315_D001 CS OFFL SIR LRM 1B 20200519T095437 20200519T095922 D001 CS OFFL SIR LRM 1B 20200519T100038 20200519T100042 D001 CS OFFL SIR LRM 1B 20200519T100045 20200519T100108 D001 CS OFFL SIR LRM 1B 20200519T100111 20200519T100120 D001 CS OFFL SIR LRM 1B 20200519T100127 20200519T100304 D001 CS OFFL SIR LRM 1B 20200519T100306 20200519T100343 D001 CS OFFL SIR LRM 1B 20200519T100348 20200519T102833 D001 CS_OFFL_SIR_LRM_1B_20200519T104316_20200519T110835_D001 CS OFFL SIR LRM 1B 20200519T110837 20200519T110859 D001 CS_OFFL_SIR_LRM_1B_20200519T110901_20200519T110905_D001 CS_OFFL_SIR_LRM_1B_20200519T110908_20200519T111011_D001 CS_OFFL_SIR_LRM_1B_20200519T111013_20200519T111235_D001 CS_OFFL_SIR_LRM_1B_20200519T111312_20200519T111757_D001 CS_OFFL_SIR_LRM_1B_20200519T123201_20200519T123820_D001 CS_OFFL_SIR_LRM_1B_20200519T124015_20200519T124511_D001 CS_OFFL_SIR_LRM_1B_20200519T124617_20200519T124651_D001 CS OFFL SIR LRM 1B 20200519T124932 20200519T125024 D001 CS_OFFL_SIR_LRM_1B_20200519T125156_20200519T125514 D001 CS OFFL SIR LRM 1B 20200519T142129 20200519T142844 D001 CS_OFFL_SIR_LRM_1B_20200519T143037_20200519T143151_D001 CS_OFFL_SIR_LRM_1B_20200519T143209_20200519T143225_D001 CS OFFL SIR LRM 1B 20200519T152011 20200519T152530 D001 CS OFFL SIR LRM 1B 20200519T162842 20200519T162937 D001 CS OFFL SIR LRM 1B 20200519T162939 20200519T162943 D001 CS OFFL SIR LRM 1B 20200519T162946 20200519T162959 D001 CS_OFFL_SIR_LRM_1B_20200519T163212_20200519T163216_D001 CS OFFL SIR LRM 1B 20200519T163220 20200519T163227 D001 CS_OFFL_SIR_LRM_1B_20200519T163229_20200519T164732_D001 CS OFFL SIR LRM 1B 20200519T165056 20200519T165829 D001 CS_OFFL_SIR_LRM_1B_20200519T165846_20200519T170451_D001 CS OFFL SIR LRM 1B 20200519T171231 20200519T171448 D001 CS_OFFL_SIR_LRM_1B_20200519T172317_20200519T173543_D001 CS_OFEL_SIR_LRM_1B_20200519T180731_20200519T180817_D001 CS OFFL SIR LRM 1B 20200519T180820 20200519T181114 D001 CS OFFL SIR LRM 1B 20200519T181130 20200519T181135 D001 CS OFFL SIR LRM 1B 20200519T181137 20200519T181322 D001 CS_OFFL_SIR_LRM_1B_20200519T181621_20200519T182642_D001 CS_OFFL_SIR_LRM_1B_20200519T182846_20200519T184341_D001 CS OFFL SIR LRM 1B 20200519T190525 20200519T191201 D001 CS_OFFL_SIR_LRM_1B_20200519T191730_20200519T192900_D001 CS OFFL SIR LRM 1B 20200519T192943 20200519T193005 D001 CS_OFFL_SIR_LRM_1B_20200519T194610_20200519T195045_D001 CS OFFL SIR LRM 1B 20200519T195133 20200519T195809 D001 CS_OFFL_SIR_LRM_1B_20200519T195829_20200519T195949_D001 CS_OFFL_SIR_LRM_1B_20200519T203101_20200519T203216_D001 CS_OFFL_SIR_LRM_1B_20200519T203718_20200519T205520_D001 CS OFFL SIR LRM 1B 20200519T205522 20200519T205948 D001 CS_OFFL_SIR_LRM_1B_20200519T205951_20200519T210339 D001 CS OFFL SIR LRM 1B 20200519T210601 20200519T211125 D001 CS_OFFL_SIR_LRM_1B_20200519T211248_20200519T211339_D001 CS OFFL SIR LRM 1B 20200519T212525 20200519T213225 D001 CS_OFFL_SIR_LRM_1B_20200519T213404_20200519T213502_D001 CS_OFFL_SIR_LRM_1B_20200519T213714_20200519T215734_D001 CS OFFL SIR LRM 1B 20200519T230603 20200519T231406 D001 CS OFFL SIR LRM 1B 20200519T231408 20200519T231412 D001 CS_OFFL_SIR_LRM_1B_20200519T231415_20200519T234213_D001 CS OFFL SIR LRM 1B 20200519T234857 20200519T235226 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: 0			
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			
4.7 L1B Auxiliary Correction Error Check			
CryoSat L1B data includes a correction error flag (field 54) for each measurement re Number of products with errors: 0	ecord. The bit value of this flag indicates ar	y problems when set.	
4.8 L1B Measurement Confidence Data Check			
CryoSat L1B data includes a measurement confidence flag (field 18) for each meas	urement record. The bit value of this flag in	dicates any problems when set.	
Currently, there are several common error flags raised in the Level 1B produc	ts which are expected due to operation	al 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 g	enerally 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, indi Number of products with errors: 0			
5. Le	vel 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: 0			
5.2 L2 Product Header Analysis			
For all products, a series of pre-defined checks are carried out on the MPH and SPI	H in order to identify any inconsistencies ar	d/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-deternation of products with errors: 0	ermined baseline and also to check the vali	dity of Auxiliary Data Files is correct.	
5.4 L2 Auxiliary Correction Error Check			
CryoSat L2 data includes a correction error flag (field 30) for each measurement rec	ord. The bit value of this flag indicates 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 recor	d. The bit value of this flag indicates any p	oblems when set.	
Currently, there are several common error flags raised in the Level 2 products below, followed by a table of any additional issues arising from this test.	which are expected due to operational	mode or surface type. All common flags are summarised in the list	
Freeboard error: This flag is correctly set in all L2 SAR products that are not discri	ninated as sea-ice, and for which freeboar	d cannot be calculated.	
Height and Backscatter errors: These flags are currently set for products over lan this is to be expected.	d, but this is to be expected. Retracker 1 H	leight 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 comp		0 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: 57			
Product	Test Failed	Description	
CS_OFFL_SIR_LRM_220200519T000329_20200519T000332_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records	
CS_OFFL_SIR_LRM_220200519T000456_20200519T001121_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_220200519T001124_20200519T002258_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_220200519T004709_20200519T012014_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_220200519T013354_20200519T013445_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 for one or more records	
CS_OFFL_SIR_LRM_220200519T015645_20200519T015751_D001	(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_220200519T020027_20200519T021152_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_220200519T022628_20200519T024812_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_220200519T025057_20200519T030033_D001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS OFFL SIR LRM 2 20200519T031151 20200519T031435 D001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
CS OFFL SIR LRM 2 20200519T033057 20200519T033707 D001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220200519T033822_20200519T034958_D001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_2_20200519T040606_20200519T043845_D001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
	Error (Retracker 2)	
CS_OFFL_SIR_LRM_220200519T044011_20200519T044036_D001	Surface Model Unavailable Height Error (Retracker 2), Backscatter	No DEM or Slope 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
CS_OFFL_SIR_LRM_220200519T045442_20200519T051409_D001	Error (Retracker 2) Height Error (Retracker 2), Height Error	records
CS_OFFL_SIR_LRM_220200519T051414_20200519T052648_D001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error	for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error
CS_OFFL_SIR_LRM_220200519T054508_20200519T060033_D001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error	for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220200519T060236_20200519T061255_D001	(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_220200519T063456_20200519T063704_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200519T063719_20200519T065115_D001	(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_220200519T074039_20200519T074322_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_220200519T075359_20200519T080208_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200519T081736_20200519T082320_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_220200519T082604_20200519T084944_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_220200519T090406_20200519T092847_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_220200519T093852_20200519T093934_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_220200519T100348_20200519T102833_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_220200519T104316_20200519T110835_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_220200519T113553_20200519T120733_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_220200519T123201_20200519T123820_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_220200519T125857_20200519T125949_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_220200519T131247_20200519T134632_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_220200519T140333_20200519T141932_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_220200519T143757_20200519T143833_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_220200519T145221_20200519T150121_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_220200519T150248_20200519T152000_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_220200519T152011_20200519T152530_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_220200519T154105_20200519T160140_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_220200519T160213_20200519T161602_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_220200519T163229_20200519T164732_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_220200519T165056_20200519T165829_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_220200519T165846_20200519T170451_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_220200519T172317_20200519T173543_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_220200519T173653_20200519T175342_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_220200519T181621_20200519T182642_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_220200519T182846_20200519T184341_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_220200519T185957_20200519T190515_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_220200519T190525_20200519T191201_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_220200519T191730_20200519T192900_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_220200519T193129_20200519T193258_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200519T200806_20200519T202251_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_220200519T203718_20200519T205520_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_220200519T205522_20200519T205948_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_220200519T205951_20200519T210339_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_220200519T213714_20200519T215734_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_220200519T221633_20200519T224317_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_220200519T231415_20200519T234213_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