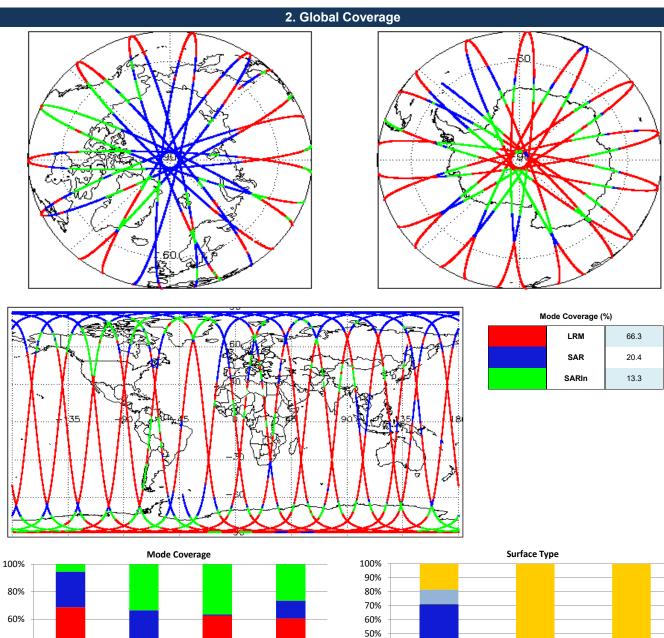


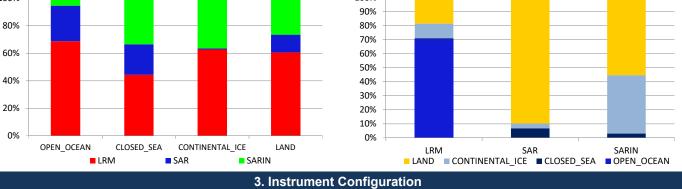
## **QA4EO Daily Report for OFFLINE data:**

<u>17/01/2020</u>

1. Overview						
Report Production Date:	17-Feb-2020	Check	Status			
Report Froduction Date.		Server check: science-pds.cryosat.esa.int	Nominal			
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal			
Processor Used.		Product Software Check	Nominal			
Dete Head	L1B and L2 OFFLINE Data	Product Format Check	Nominal			
Data Used:		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				
16-Jan-2020	None			
17-Jan-2020	None			
18-Jan-2020	Nothing planned			





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

### 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:

Loss of echo

oss of echo

Loss of echo

l oss of echo

Loss of echo

#### 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

105

Number of products with errors:

Product	Test Failed
CS_OFFL_SIR_LRM_1B_20200116T235903_20200116T235937_D001	Loss of echo
CS_OFFL_SIR_LRM_1B_20200116T235940_20200116T235957_D001	Loss of echo
CS_OFFL_SIR_LRM_1B_20200117T000248_20200117T000308_D001	Loss of echo
CS_OFFL_SIR_LRM_1B_20200117T000312_20200117T000325_D001	Loss of echo
CS_OFFL_SIR_LRM_1B_20200117T000433_20200117T001618_D001	Loss of echo
CS_OFFL_SIR_LRM_1B_20200117T001822_20200117T003407_D001	Loss of echo
CS_OFFL_SIR_LRM_1B_20200117T005006_20200117T005824_D001	Loss of echo
CS_OFFL_SIR_LRM_1B_20200117T010141_20200117T010351_D001	Loss of echo
CS_OFFL_SIR_LRM_1B_20200117T010653_20200117T011756_D001	Loss of echo
CS_OFFL_SIR_LRM_1B_20200117T011837_20200117T011903_D001	Loss of echo
CS_OFFL_SIR_LRM_1B_20200117T012000_20200117T012140_D001	Loss of echo
CS_OFFL_SIR_LRM_1B_20200117T013549_20200117T013921_D001	Loss of echo
CS_OFFL_SIR_LRM_1B_20200117T013924_20200117T013925_D001	Loss of echo
CS_OFFL_SIR_LRM_1B_20200117T013931_20200117T013936_D001	Loss of echo
CS_OFFL_SIR_LRM_1B_20200117T013942_20200117T013942_D001	Loss of echo
CS_OFFL_SIR_LRM_1B_20200117T013947_20200117T014032_D001	Loss of echo
CS_OFFL_SIR_LRM_1B_20200117T014034_20200117T014104_D001	Loss of echo
CS_OFFL_SIR_LRM_1B_20200117T014107_20200117T014123_D001	Loss of echo
CS_OFFL_SIR_LRM_1B_20200117T014127_20200117T014932_D001	Loss of echo
CS_OFFL_SIR_LRM_1B_20200117T022633_20200117T030028_D001	Loss of echo

CS OFFL SIR LRM 1B 20200117T031432 20200117T032052 D001

CS OFFL SIR LRM 1B 20200117T032055 20200117T032214 D001

CS\_OFFL\_SIR\_LRM\_1B\_20200117T032330\_20200117T032425\_D001

CS OFFL SIR LRM 1B 20200117T032808 20200117T034919 D001

CS\_OFFL\_SIR\_LRM\_1B\_20200117T040536\_20200117T043446\_D001

CS\_OFFL\_SIR\_LRM\_1B\_20200117T045536\_20200117T045546\_D001

CS OFFL SIR LRM 1B 20200117T045645 20200117T050107 D001

CS\_OFFL\_SIR\_LRM\_1B\_20200117T050213\_20200117T053154\_D001

CS OFFL SIR LRM 1B 20200117T063925 20200117T064004 D001

CS OFFL SIR LRM 1B 20200117T064202 20200117T064306 D001

CS OFFL SIR LRM 1B 20200117T064436 20200117T065136 D001

CS OFFL SIR LRM 1B 20200117T065210 20200117T065226 D001

CS OFFL SIR LRM 1B 20200117T065600 20200117T065730 D001

CS OFFL SIR LRM 1B 20200117T065735 20200117T070210 D001

CS OFFL SIR LRM 1B 20200117T071333 20200117T071906 D001

CS\_OFFL\_SIR\_LRM\_1B\_20200117T081434\_20200117T081447\_D001

CS\_OFFL\_SIR\_LRM\_1B\_20200117T081746\_20200117T081755\_D001

CS OFFL SIR LRM 1B 20200117T081829 20200117T081857 D001

CS\_OFFL\_SIR\_LRM\_1B\_20200117T081907\_20200117T081919\_D001

CS\_OFFL\_SIR\_LRM\_1B\_20200117T082237\_20200117T082254\_D001

CS\_OFFL\_SIR\_LRM\_1B\_20200117T082314\_20200117T082510\_D001

CS\_OFFL\_SIR\_LRM\_1B\_20200117T082653\_20200117T082947\_D001

CS OFFL SIR LRM 1B 20200117T085253 20200117T085802 D001

CS OFFL SIR LRM 1B 20200117T090344 20200117T093751 D001

CS OFFL SIR LRM 1B 20200117T093935 20200117T093937 D001

CS OFFL SIR LRM 1B 20200117T093940 20200117T094037 D001

CS\_OFFL\_SIR\_LRM\_1B\_20200117T100238\_20200117T100705\_D001

CS\_OFFL\_SIR\_LRM\_1B\_20200117T103508\_20200117T103705\_D001

Description The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20200117T104401_20200117T105846_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T111803_20200117T111826_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T111830_20200117T111851_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T111854_20200117T111901_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T111905_20200117T111923_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T111926_20200117T111950_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T111954_20200117T112036_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T115220_20200117T120624_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T121413_20200117T121616_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T122303_20200117T123833_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T124034_20200117T124957_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T125238_20200117T125252_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T125255_20200117T125529_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T125535_20200117T125549_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T125552_20200117T130020_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T131504_20200117T131602_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T131811_20200117T132900_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T132907_20200117T132920_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T133600_20200117T133800_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T133804_20200117T133807_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T133811_20200117T133841_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T133847_20200117T133919_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T142555_20200117T142727_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T143103_20200117T143135_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T143140_20200117T143151_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T143203_20200117T143224_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T143228_20200117T143237_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T143240_20200117T143322_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T143328_20200117T143346_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T143351_20200117T143401_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T143405_20200117T143407_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T143412_20200117T143504_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T143508_20200117T143943_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T145429_20200117T152821_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T153331_20200117T153904_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T154142_20200117T160649_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T161052_20200117T161601_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T161720_20200117T161730_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T163821_20200117T163834_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T163840_20200117T163857_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T163901_20200117T170621_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T172041_20200117T174927_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T174930_20200117T175241_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T175314_20200117T175528_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T190847_20200117T191635_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T191759_20200117T192313_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T192842_20200117T192950_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T193040_20200117T193217_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T210132_20200117T210624_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T210655_20200117T210835_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T212746_20200117T212817_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T215055_20200117T220336_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T221132_20200117T221528_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T230618_20200117T230828_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T231207_20200117T232050_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T232531_20200117T232947_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200117T233022_20200117T234311_D001	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.
Number of products with errors:
0

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# 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 measurements Number of products with errors: 0	ent record. The bit value of this flag indicates a	iny problems when set.
4.8 L1B Measurement Confidence Data Check		
CryoSat L1B data includes a measurement confidence flag (field 18) for each m	neasurement record. The bit value of this flag	indicates any problems when set.
Currently, there are several common error flags raised in the Level 1B probelow, 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 record	rds generally at the start or end of products (a	Il modes), but this is to be expected.
Phase Perturbation Flag: This flag is currently set for all L1B SARIn products, Number of products with errors: 0	indicating that the ADC correction application	is deactivated, but this is in line with the current configuration.
5	Level 2 Data Quality Chec	k
	Level 2 Data Quality Offee	
5.1 L2 Product Format Check Each product, retrieved and unpacked from the science server, is checked to e Number of products with errors: 0	nsure it consists of both an XML header file (.	HDR) and a product file (.DBL).
5.2 L2 Product Header Analysis		
For all products, a series of pre-defined checks are carried out on the MPH and Number of products with errors: 0	SPH in order to identify any inconsistencies a	and/or errors raised by the ground-segment processing chain.
5.3 L2 Auxiliary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with respect to a pre Number of products with errors: 0	-determined baseline and also to check the va	ilidity 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 measuremen Number of products with errors: 0	t record. The bit value of this flag indicates ar	y problems when set.
5.5 L2 Measurement Quality Flag Check		
<ul> <li>below, followed by a table of any additional issues arising from this test.</li> <li>Freeboard error: This flag is correctly set in all L2 SAR products that are not d</li> <li>Height and Backscatter errors: These flags are currently set for products over this is to be expected.</li> <li>Peakiness error: This flag is currently set for products over sea-ice, but this is:</li> <li>SARIN X-Track Angle Error: This flag is set when the difference between the result this flag is set for L2 SARIn products in all other locations as expected.</li> <li>SSHA interpolation error: This flag is currently set for a number of SAR product.</li> <li>Number of products with errors:</li> </ul>	r land, but this is to be expected. Retracker 1 to be expected. computed surface elevation and the DEM is >	Height and Backscatter error flags are also set for products over sea-ice, but 50 m. The DEM is only available over Greenland and Antarctica and as a
Product	Test Failed	Description
CS_OFFL_SIR_LRM_220200117T000433_20200117T001618_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_220200117T001822_20200117T003407_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_220200117T005006_20200117T005824_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_220200117T010653_20200117T011756_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_220200117T012000_20200117T012140_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200117T015804_20200117T021253_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_220200117T022633_20200117T030028_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_220200117T032055_20200117T032214_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200117T032808_20200117T034919_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_220200117T040536_20200117T043446_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error	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_220200117T050213_20200117T053154_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\_2\_\_20200117T054604\_20200117T062001\_D001

CS\_OFFL\_SIR\_LRM\_2\_\_20200117T064436\_20200117T065136\_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), 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_220200117T072506_20200117T075824_D001	Height Error (Retracker 2), Height Error (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
CS_OFFL_SIR_LRM_220200117T083133_20200117T085048_D001	(Retracker 2) 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_0FFL_SIR_LRM_220200117T090344_20200117T093751_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_220200117T100238_20200117T100705_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_220200117T100754_20200117T102534_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_220200117T104401_20200117T105846_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_220200117T110606_20200117T111306_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_220200117T111830_20200117T111851_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200117T111905_20200117T111923_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200117T111926_20200117T111950_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200117T113310_20200117T115049_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_220200117T115220_20200117T120624_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_220200117T122303_20200117T123833_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_220200117T124034_20200117T124957_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_220200117T125238_20200117T125252_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200117T131811_20200117T132900_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_220200117T133600_20200117T133800_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_220200117T133811_20200117T133841_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_220200117T133847_20200117T133919_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_220200117T140242_20200117T141741_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_220200117T145429_20200117T152821_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_220200117T154142_20200117T160649_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_220200117T163901_20200117T170621_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_220200117T172041_20200117T174927_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_220200117T181235_20200117T184542_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_220200117T193634_20200117T193828_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_220200117T195157_20200117T202533_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_220200117T203832_20200117T205808_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_0FFL_SIR_LRM_220200117T212953_20200117T215020_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_220200117T215055_20200117T220336_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_220200117T221919_20200117T225347_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_220200117T231207_20200117T232050_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_220200117T232531_20200117T232947_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_220200117T233022_20200117T234311_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records