





1. Overview

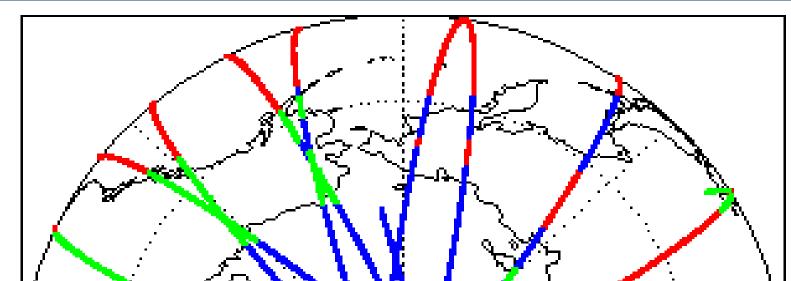
Report Production Date:	23-Mar-2023
Processor Used:	CryoSat Ice Processor
Data Used:	L1B and L2 OFFLINE Data

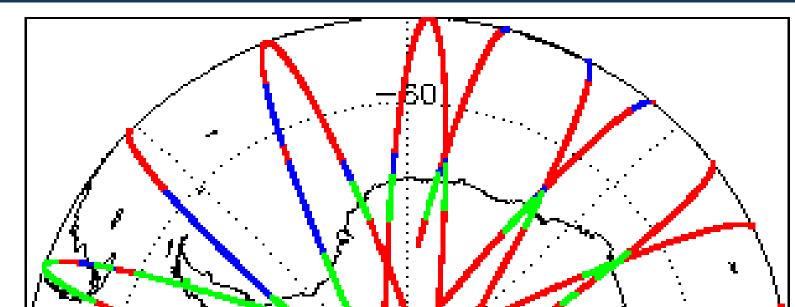
We would love to hear from you! Please let us know your feedback about these daily quality reports: What do you like/ dislike? What quality information do you need? Send your feedback to cs2_qc_team@telespazio.com

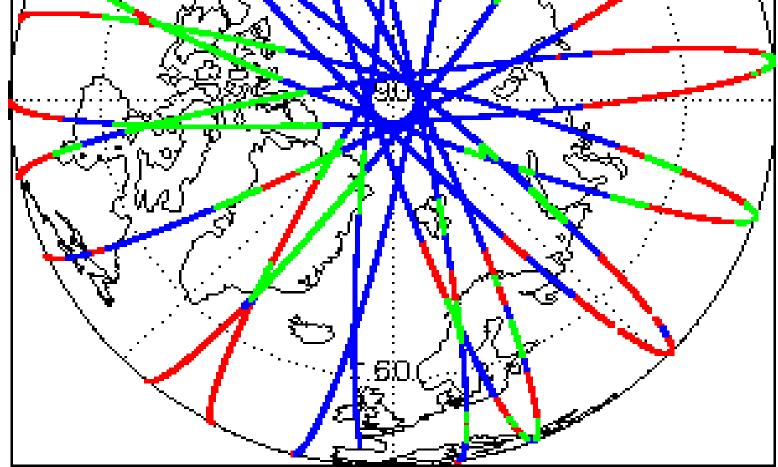
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary Data File Usage Check	Nominal
L1B & L2 Auxiliary Correction Error Check	See Section 4.7 and 5.4
L1B & L2 Measurement Confidence Data Check	See Section 4.8 and 5.5
QCC Errors/ Warnings	See Section 6.1, 6.2 and 6.3

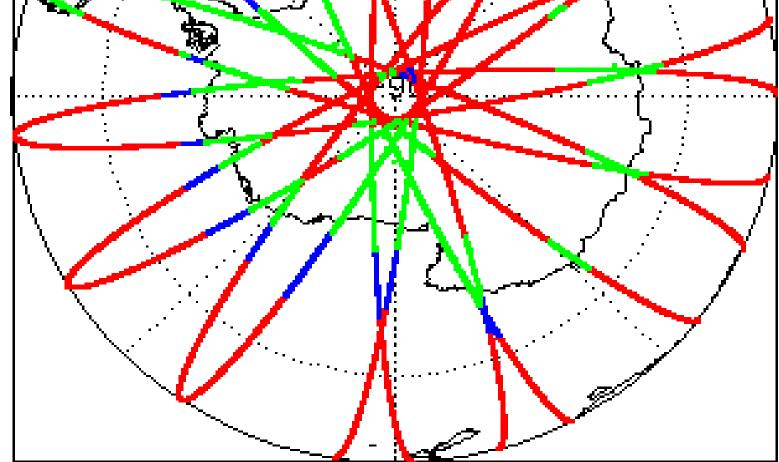
N	Mission / Instrument News	
	20-Feb-2023	None
	21-Feb-2023	SIRAL unavailability from 14:57:02 to 16:48:34
	22-Feb-2023	Nothing planned

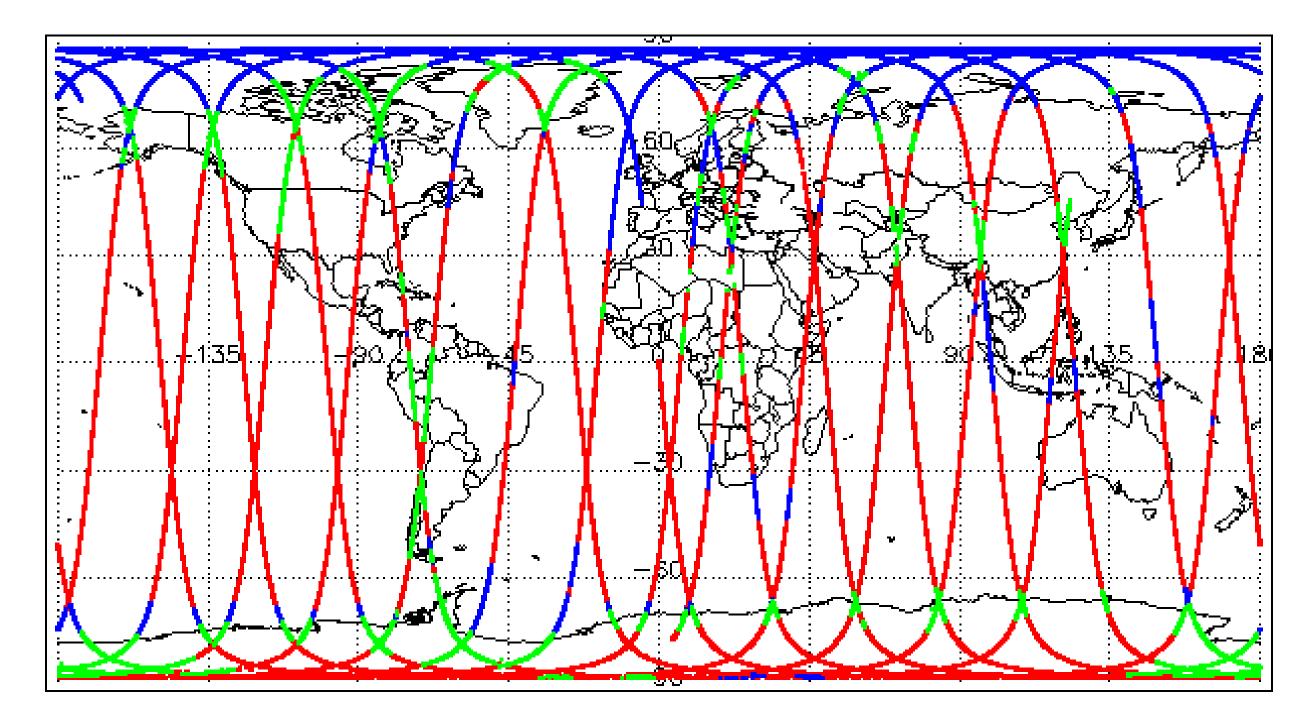
2. Global Coverage





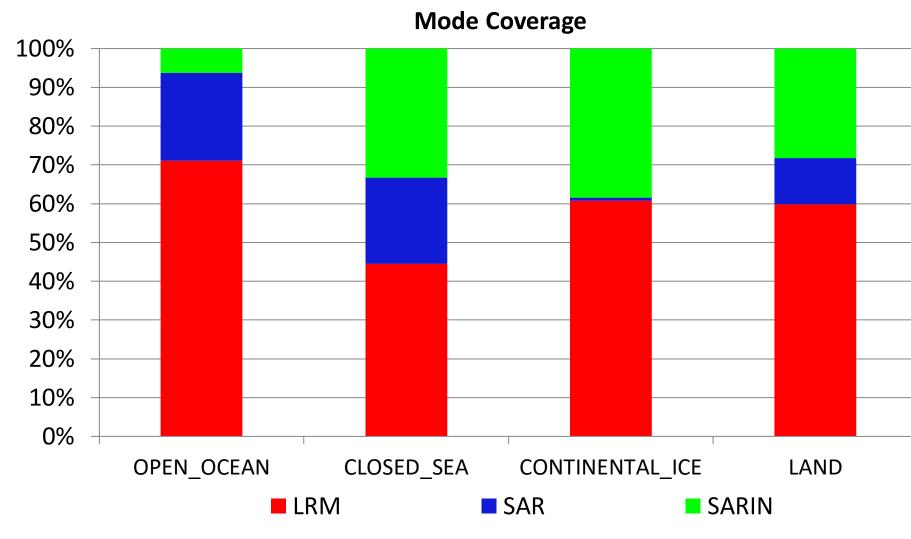


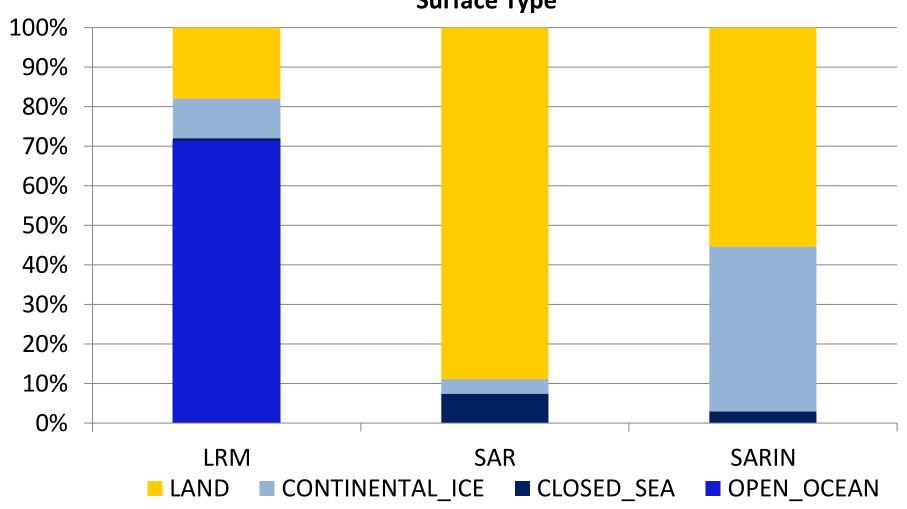




Mode Coverage (%)

LRM	67.4
SAR	18.0
SARIn	14.5





Surface Type

3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

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.

Number of products with errors:

0

0

0

4.4 L1B Tracking Flags Check

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

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

Number of products with errors:

121

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20230221T001056_20230221T001109_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230221T001449 20230221T001518 E001	Loss of echo	The tracking echo is missing for one or more records

Loss of echo

C5_OFFL_SIR_LRIM_1B_202302211001449_202302211001518_E001
CS_OFFL_SIR_LRM_1B_20230221T001528_20230221T001540_E001
CS_OFFL_SIR_LRM_1B_20230221T001856_20230221T001916_E001
CS_OFFL_SIR_LRM_1B_20230221T001934_20230221T002130_E001
CS_OFFL_SIR_LRM_1B_20230221T002313_20230221T002605_E001
CS_OFFL_SIR_LRM_1B_20230221T004912_20230221T005421_E001
CS_OFFL_SIR_LRM_1B_20230221T005936_20230221T013420_E001
CS_OFFL_SIR_LRM_1B_20230221T013558_20230221T013639_E001
CS_OFFL_SIR_LRM_1B_20230221T013642_20230221T013659_E001
CS_OFFL_SIR_LRM_1B_20230221T023128_20230221T023325_E001
CS_OFFL_SIR_LRM_1B_20230221T024015_20230221T025504_E001
CS_OFFL_SIR_LRM_1B_20230221T030228_20230221T030941_E001
CS_OFFL_SIR_LRM_1B_20230221T031426_20230221T031439_E001
CS_OFFL_SIR_LRM_1B_20230221T031445_20230221T031447_E001
CS_OFFL_SIR_LRM_1B_20230221T031451_20230221T031506_E001
CS_OFFL_SIR_LRM_1B_20230221T031510_20230221T031512_E001
CS_OFFL_SIR_LRM_1B_20230221T031514_20230221T031517_E001
CS_OFFL_SIR_LRM_1B_20230221T031521_20230221T031538_E001
CS_OFFL_SIR_LRM_1B_20230221T031541_20230221T031545_E001
CS_OFFL_SIR_LRM_1B_20230221T031547_20230221T031557_E001
CS_OFFL_SIR_LRM_1B_20230221T031601_20230221T031606_E001
CS_OFFL_SIR_LRM_1B_20230221T031610_20230221T031659_E001
CS_OFFL_SIR_LRM_1B_20230221T034842_20230221T040245_E001
CS_OFFL_SIR_LRM_1B_20230221T041034_20230221T041236_E001
CS_OFFL_SIR_LRM_1B_20230221T041917_20230221T043456_E001
CS_OFFL_SIR_LRM_1B_20230221T043657_20230221T044621_E001
CS_OFFL_SIR_LRM_1B_20230221T044901_20230221T045109_E001

The tracking echo is missing for one of more records
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CS_OFFL_SIR_LRM_1B_20230221T044901_20230221T045109_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T045113_20230221T045129_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T045131_20230221T045144_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T045148_20230221T045206_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T045208_20230221T045209_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T045212_20230221T045645_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T051415_20230221T052523_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T052530_20230221T052543_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T053216_20230221T053417_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T053419_20230221T053559_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T062220_20230221T062349_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T062728_20230221T062752_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T062755_20230221T062803_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T062806_20230221T062816_E001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20230221T062829_20230221T062830_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T062838_20230221T062843_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T062846_20230221T062854_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T062857_20230221T062910_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T062913_20230221T062939_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T062945_20230221T063013_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T063016_20230221T063018_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T063023_20230221T063024_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T063027_20230221T063038_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T063041_20230221T063101_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T063106_20230221T063107_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T063110_20230221T063112_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T063115_20230221T063120_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T063123_20230221T063608_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T065055_20230221T072450_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T072717_20230221T072925_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T072955_20230221T073527_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T080718_20230221T081228_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T081347_20230221T081356_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T082700_20230221T082747_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T083447_20230221T083502_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T083504_20230221T090328_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T091648_20230221T094526_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T094529_20230221T094616_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T094623_20230221T094910_E001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20230221T094943_20230221T095155_E001 CS_OFFL_SIR_LRM_1B_20230221T104837_20230221T105409_E001 CS_OFFL_SIR_LRM_1B_20230221T110513_20230221T111305_E001 CS_OFFL_SIR_LRM_1B_20230221T111429_20230221T111941_E001 CS_OFFL_SIR_LRM_1B_20230221T112124_20230221T112255_E001 CS_OFFL_SIR_LRM_1B_20230221T112511_20230221T112530_E001 CS_OFFL_SIR_LRM_1B_20230221T112532_20230221T112535_E001 CS_OFFL_SIR_LRM_1B_20230221T112537_20230221T112620_E001 CS_OFFL_SIR_LRM_1B_20230221T112710_20230221T112746_E001 CS_OFFL_SIR_LRM_1B_20230221T112746_20230221T112848_E001 CS_OFFL_SIR_LRM_1B_20230221T113152_20230221T113200_E001 CS_OFFL_SIR_LRM_1B_20230221T132416_20230221T132449_E001 CS_OFFL_SIR_LRM_1B_20230221T134718_20230221T140019_E001 CS_OFFL_SIR_LRM_1B_20230221T140759_20230221T141156_E001 CS_OFFL_SIR_LRM_1B_20230221T165156_20230221T170222_E001 CS_OFFL_SIR_LRM_1B_20230221T173721_20230221T173736_E001 CS_OFFL_SIR_LRM_1B_20230221T173739_20230221T173936_E001 CS_OFFL_SIR_LRM_1B_20230221T174228_20230221T174627_E001 CS_OFFL_SIR_LRM_1B_20230221T175141_20230221T175206_E001 CS_OFFL_SIR_LRM_1B_20230221T175208_20230221T175222_E001 CS_OFFL_SIR_LRM_1B_20230221T175226_20230221T175257_E001 CS_OFFL_SIR_LRM_1B_20230221T175311_20230221T175613_E001 CS_OFFL_SIR_LRM_1B_20230221T175736_20230221T180447_E001 CS_OFFL_SIR_LRM_1B_20230221T181942_20230221T181957_E001 CS_OFFL_SIR_LRM_1B_20230221T182044_20230221T182513_E001 CS_OFFL_SIR_LRM_1B_20230221T182515_20230221T182531_E001

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

CS_OFFL_SIR_LRM_1B_20230221T182534_20230221T182654_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T182657_20230221T182720_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T182722_20230221T182756_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T182758_20230221T182926_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T183300_20230221T183305_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T183308_20230221T183553_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T191118_20230221T193501_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T193503_20230221T193503_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T193505_20230221T193510_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T193512_20230221T193728_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T193730_20230221T193800_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T193802_20230221T194609_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T200315_20230221T200752_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T201203_20230221T203745_E001	Loss of echo	The tracking echo is missing for one or more records

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CS_OFFL_SIR_LRM_1B_20230221T204432_20230221T204757_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T214107_20230221T214443_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T214702_20230221T214720_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T214722_20230221T214723_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T214726_20230221T214729_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T214735_20230221T214820_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T214823_20230221T220836_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T221900_20230221T222706_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T231753_20230221T231843_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T231901_20230221T231946_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T232230_20230221T232600_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T232618_20230221T232637_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T232640_20230221T232659_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T233238_20230221T233744_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230221T233909_20230221T234428_E001	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

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

0

4.7 L1B Auxiliary Correction Error Check

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

Number of products with errors:

4.8 L1B Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag 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 Applied 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:

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: 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 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 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 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.

Sea State Bias error: This flag is currently set in all L2 LRM products over ocean, indicating a problem with the sea state bias Due to a known anomaly, the sea state bias field is currently unfilled in all Baseline-E L2 LRM products. This anomaly will be resolved in the next IPF update.

Snow Depth Model error: This flag is currently set in all L2 SAR products over ocean, which fall outside of the extent of the current snow depth model. Currently the snow depth model is only available over the high-latitude Arctic. There is no model currently provided for the Antarctic or marginal Arctic regions. An updated model will be provided in the next IPF update.

Number of products with errors:

85

Product	Test Failed	Description
CS_OFFL_SIR_SAR_220230221T000732_20230221T000830_E001		There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T001109_20230221T001408_E001		There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T001622_20230221T001856_E001		There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T001916_20230221T001934_E001		There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T004711_20230221T004754_E001	\mathbf{N}	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model

		There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230221T005733_20230221T005936_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230221T013420_20230221T013526_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230221T013528_20230221T013535_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T013538_20230221T013551_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T013553_20230221T013558_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T014415_20230221T014842_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T014844_20230221T015859_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T022154_20230221T022457_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T022545_20230221T022851_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T023859_20230221T024015_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T025504_20230221T025601_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T025603_20230221T025624_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T025747_20230221T030228_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T030941_20230221T031118_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T031120_20230221T031124_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T031140_20230221T031414_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T031416_20230221T031426_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230221T032909_20230221T032933_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230221T034710_20230221T034842_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230221T040245_20230221T040757_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
		falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230221T043456_20230221T043657_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230221T050658_20230221T051128_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230221T051227_20230221T051415_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230221T054549_20230221T054619_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230221T061405_20230221T061619_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230221T061621_20230221T061900_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230221T061900_20230221T062220_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230221T064835_20230221T065055_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230221T072450_20230221T072529_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T090329_20230221T090457_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T095155_20230221T095355_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T095455_20230221T100453_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T104243_20230221T104506_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T105525_20230221T105536_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T110157_20230221T110512_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T112255_20230221T112341_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T112848_20230221T113152_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T113458_20230221T114346_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T114534_20230221T114539_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T114542_20230221T114700_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T114750_20230221T114821_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T122226_20230221T122420_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T123419_20230221T123430_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T130523_20230221T130819_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T130819_20230221T131454_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T132449_20230221T132622_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230221T134649_20230221T134718_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T140020_20230221T140130_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230221T140742_20230221T140748_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230221T140755_20230221T140759_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
		falls outside of the extent of the current snow depth model

CS_OFFL_SIR_SAR_220230221T141305_20230221T141350_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T145018_20230221T145041_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T170222_20230221T170401_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T172553_20230221T172600_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T173524_20230221T173532_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T173624_20230221T173721_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T175258_20230221T175311_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T180609_20230221T180819_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T183553_20230221T183624_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T191024_20230221T191118_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T204917_20230221T205027_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T213935_20230221T214107_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T214617_20230221T214702_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T220836_20230221T221049_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T221724_20230221T221736_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T222817_20230221T222932_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T230553_20230221T230625_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T231448_20230221T231753_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T231946_20230221T232022_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T232145_20230221T232230_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records

CS_OFFL_SIR_SAR_2202302211232145_202302211232230_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T232848_20230221T232923_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T234429_20230221T234736_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230221T235702_20230221T235711_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SIN_220230221T005421_20230221T005733_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230221T022851_20230221T023127_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230221T023325_20230221T023859_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230221T040758_20230221T041034_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230221T104506_20230221T104837_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230221T122420_20230221T122741_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230221T172732_20230221T173425_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records

5.5 L2 Measurement Quality Flag Check

CryoSat L2 data includes a quality flag 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.

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.

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.

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.

Peakiness error: This flag is currently set for products over sea-ice, but this is to be expected.

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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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220230221T000831_20230221T000938_E001	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_220230221T001856_20230221T001916_E001	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_220230221T002752_20230221T004710_E001	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_220230221T005936_20230221T013420_E001	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_220230221T015859_20230221T020327_E001	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_220230221T020416_20230221T022154_E001	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_220230221T024015_20230221T025504_E001	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

C2_OPTL_SRL_ENAL2220221T00228_020221T00310_E01 Heigh End (Facaded 2) Bucksolate (Figure Results 2) There is a height and bucksolate and for Results 2) for one of the second of SAPEL_SRL_ENAL22202221T01104_07_2020221T011057_E01 Surface Model Unswalable No DEM of Signe Model accuacitor the branch of one or more re- sults (Figure Results 2) C3_OPFL_SRL_ENAL22202221T01104_7_20202221T011057_E011 Surface Model Unswalable No DEM of Signe Model accuacitor the branch of one or more re- ending them benchmarks 2) C3_OPFL_SRL_ENAL22202221T01104_7_20202221T011057_E011 Heigh End (Facaded 2) Becksolate (Figure Results 2) Heigh End (Figure Result 2) Heigh End (Figure Result 2) C3_OPFL_SRL_ENAL22202221T01104_07_2020221T010426_E011 Heigh End (Figure Result 2) Heigh End (Figure Result 2) Height End (Figure Result 2) C3_OPFL_SRL_ENAL22202221T01104_07_2020221T014428_E001 Height End (Figure Result 2) Height End (Figure Result 2) Height End (Figure Result 2) C3_OPFL_SRL_ENAL22202221T01104_07_2020221T014428_E001 Height End (Figure Result 2) Height End (Figure Result 2) Height End (Figure Result 2) C3_OPFL_SRL_ENAL22202221T01104_07_10_E001 Height End (Figure Result 2) Height End (Figure Result 2) Height End (Figure Result 2) C3_OPFL_SRL_ENAL22202221T054519_E001 Height End (Figure Result 2) Height End (Figure Result 2) Height End (Figure Result 2) C3_OPFL_SRL_ENAL_2_2220221T054519_E001 Height End (Figure Result 2) Height End (Figure Result 2)	
Column Surface Model Unavailable No DEM of Septe Model was used for the location of one or more re- ferred (Paradoce 2). CS_OFFL_SIR_LEM_2_2022021T031047_2022021103216_E001 Height Error (Paradoce 2). Beachesite There is a height and backscalate error for Retraceer 2. CS_OFFL_SIR_LEM_2_202202211031042_20220221103216_E001 Height Error (Paradoce 2). There is a height and backscalate error for Retraceer 2. CS_OFFL_SIR_LEM_2_20220221T031042_20220221103216_E001 Height Error (Paradoce 2). There is a height and backscalate error for Retraceer 2. CS_OFFL_SIR_LEM_2_20220221T031047_20230221T045406_E001 Height Error (Paradoce 2). There is a height and backscalate error for Retraceer 2. There is a height and backscalate error for Retraceer 2 and a height Retraceer 3 for one or more records CS_OFFL_SIR_LEM_2_20220221T031045_2022021T052522 Height Error (Paradoce 2). Back texa and text and	rds
Control Page 1 and the second area of the second	
CS OFFL SIR LRM 2_20230221T094942_20230221T040465_E001 Ferrer (Retracker 2) records CS_OFFL_SIR_LRM 2_20230221T041917_20230221T040456_E001 Height Error (Retracker 2), Height Error CS_OFFL_SIR_LRM 2_20230221T041917_20230221T040456_E001 Height Error (Retracker 2), Height Error CS_OFFL_SIR_LRM 2_20230221T041917_20230221T040456_E001 Height Error (Retracker 2), Height Error CS_OFFL_SIR_LRM 2_20230221T041917_20230221T040457_E001 Height Error (Retracker 2), Height Error CS_OFFL_SIR_LRM 2_20230221T051416_20230221T052523_E001 Height Error (Retracker 2), Backscatter Trace is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM 2_20230221T051416_20230221T053417_E001 Height Error (Retracker 2), Backscatter Trace is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM 2_20230221T053410_20230221T053450_E001 Height Error (Retracker 2), Backscatter Trace is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM 2_20230221T053410_20230221T053560_E001 Height Error (Retracker 2), Backscatter Trace is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM 2_20230221T053410_20230221T053560_E001 Height Error (Retracker 2), Backscatter Trace is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM 2_20230221T053410_20230221T053565_E001 Height Error (Retracke	ords
US OFFL Sin LINK 2 20200211704304 2020021704346 E001 Enrol (Retracker 2) records CS OFFL Sin LINK 2 20200217041917 2020021704346 E001 Retracker 3), Backconter Error (Retracker 2), Height Error (Retracker 2), Each and Sockaster error for Retracker 2 and a height Retracker 3), Backconter Error (Retracker 2), Each and Sockaster error for Retracker 2 and a height Retracker 3), Backconter Error (Retracker 2), Each and Sockaster error for Retracker 2 and a height Retracker 3), Backconter Error (Retracker 2), Each and Sockaster error for Retracker 2 and a height Retracker 3), Backconter Error (Retracker 2), Backconter Error	}
GS_OFFL_SIR_LRM_2_20230221104365_001 (fetroder 3), Backscatter From (fetroder 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Error (Betracker 2),	÷
CS_OFFL_SIR_LRM_2_20230221T04867 20230221T04867 20230221T051415 20230221T051415 20230221T051415 20230221T052633 End (Retacker 2) CS_OFFL_SIR_LRM_2_20230221T05316 20230221T053417 E001 First (Retacker 2) There is a height and backscatter error for Retacker 2 for one or me CS_OFFL_SIR_LRM_2_20230221T05316 20230221T053417 E001 First (Retacker 2) There is a height and backscatter error for Retacker 2 for one or me CS_OFFL_SIR_LRM_2_20230221T055316 20230221T0536417 E001 First (Retacker 2) There is a height and backscatter error for Retacker 2 for one or me CS_OFFL_SIR_LRM_2_20230221T055316 20230221T055466 E001 First (Retacker 2) There is a height and backscatter error for Retracker 2 for one or mo CS_OFFL_SIR_LRM_2_20230221T05505_20230221T072450_E001 First (Retracker 2) There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20230221T072777_20230221T072450_E001 First (Retracker 2) Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 and a height (Retracker 2) CS_OFFL_SIR_LRM_2_20230221T073752_20230221T072450_E001 First (Retracker 2) Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 and a height (Retracker 2) CS_OFFL_SIR_LRM_2_20230221T07352_20230221T09328_E001	rror for
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CS_OFFL_SIR_LRM_2_20230221T073752_20230221T080314_E001Height Error (Retracker 2), Height Error (Retracker 2), Error (Retracker 2), Backscatter Error for Retracker 2), Backscatter error for Retracker 2 for one or more recordsCS_OFFL_SIR_LRM_2_20230221T095355_20230221T095455_E001Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatt	;
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CS_OFFL_SIR_LRM_2_20230221T083504_20230221T090328_E001 (Retracker 3), Backscatter Error (Retracker 2) Intere is a height and backscatter error for Retracker 2 and a height Retracker 3), Backscatter Error CS_OFFL_SIR_LRM_2_20230221T091648_20230221T094526_E001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20230221T095355_20230221T095455_E001 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_20230221T100902_20230221T104243_E001 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_20230221T112124_20230221T112255_E001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20230221T112124_20230221T112255_E001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 and a height records CS_OFFL_SIR_LRM_2_20230221T114821_20230221T112255_E001 Height Error (Retracker 2), Height Error (Retracker 2) There is a height and backscatter error for Retracker 2 and a height records CS_OFFL_SIR_LRM_2_20230221T123430_20230221T125315_E001 Height Error (Retracker 2), Backscatter Error (Retracker 2) There is a height an	rror for
CS_OFFL_SIR_LRM_2_20230221T095355_20230221T095455_E001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20230221T095355_20230221T095455_E001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20230221T100902_20230221T104243_E001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20230221T112124_20230221T112255_E001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20230221T112124_20230221T112255_E001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20230221T114821_20230221T112255_E001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20230221T114821_20230221T12225_E001 Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error There is a height and backscatter error for Retracker 2 and a height Retracker 2), Error (Retracker 2), Backscatter Error There is a height and backscatter error for Retracker 2 and a height Retracker 2), Error (Retracker 2), Backscatter Error There is a height and backscatter error for Retracker 2 and a height Retracker 2), Error (Retracker 2), Backscatter Error CS_OFFL_SIR_LRM_2_20230221T123430_20230221T125315_E001 <td>rror for</td>	rror for
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CS_OFFL_SIR_LRM_2_20230221T100902_20230221T104243_E001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20230221T112124_20230221T112255_E001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter 2) There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20230221T114821_20230221T122225_E001 Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Ba	÷
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CS_OFFL_SIR_LRM_2_20230221T114821_20230221T122225_E001 (Retracker 3), Backscatter Error (Retracker 2) Retracker 3 for one or more records (Retracker 2) Height Error (Retracker 2), Backscatter Error for Retracker 2 for one or more records (Retracker 2), Backscatter Error (Retracker 2), Backscatter	÷
CS_OFFL_SIR_LRM_2202302211123430_202302211125315_E001 Error (Retracker 2) records	rror for
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CS_OFFL_SIR_LRM_220230221T132623_20230221T134649_E001 Height Error (Retracker 2), Backscatter 2), Backscatter error for Retracker 2 for one or more than the second seco	è
CS_OFFL_SIR_LRM_220230221T134718_20230221T140019_E001 Height Error (Retracker 2), Height Error (Retracker 3), Backscatter 2), Backscatter Error (Retracker 3), Backscatter 2),	rror for
CS_OFFL_SIR_LRM_220230221T141351_20230221T145018_E001 Height Error (Retracker 2), Backscatter 2), Backscatter error for Retracker 2 for one or more than the second seco	è
CS_OFFL_SIR_LRM_2_20230221T165156_20230221T170222_E001 Height Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height (Retracker 2), Backscatter Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height (Retracker 2), Backscatter Error (Retracker 3), Backscatter	rror for
CS_OFFL_SIR_LRM_220230221T170401_20230221T171901_E001 Height Error (Retracker 2), Backscatter 2), Backscatter 2) There is a height and backscatter error for Retracker 2 for one or more than the second se	÷
CS_OFFL_SIR_LRM_220230221T174228_20230221T174627_E001 Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height (Retracker 2), Backscatter Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height (Retracker 2), Backscatter Error Retracker 3 for one or more records	rror for
CS_OFFL_SIR_LRM_2_20230221T175311_20230221T175613_E001 Height Error (Retracker 2), Backscatter 2), Backscatter 2) There is a height and backscatter error for Retracker 2 for one or more than the second sec	÷
CS_OFFL_SIR_LRM_2_20230221T175736_20230221T180447_E001 Height Error (Retracker 2), Height Error (Retracker 3), Hei	
CS_OFFL_SIR_LRM_220230221T182534_20230221T182654_E001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more re-	rror for
CS_OFFL_SIR_LRM_220230221T183624_20230221T185808_E001 Height Error (Retracker 2), Backscatter 2) There is a height and backscatter error for Retracker 2 for one or more than the second seco	
CS_OFFL_SIR_LRM_220230221T191118_20230221T193501_E001 Height Error (Retracker 2), Backscatter 2) There is a height and backscatter error for Retracker 2 for one or more records	ords

Data Data Description Description Description Description CALCHER DER VERVER ADDRESS TO SERVER ADDRESS	CS_OFFL_SIR_LRM_220230221T200048_20230221T200152_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CODDescriptionProduct of DescriptionProduct of DescriptionCODDescriptionProduct of DescriptionProduct of	CS_OFFL_SIR_LRM_220230221T201203_20230221T203745_E001	(Retracker 3), Backscatter Error	
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b2 <	CS_OFFL_SIR_LRM_220230221T214823_20230221T220836_E001	(Retracker 3), Backscatter Error	
UN_14 MICRARY LANSING MICRARY ALL SUBJECT STRUCTURE AND ALL SUBJECT STRUCTURE A	CS_OFFL_SIR_LRM_220230221T221050_20230221T221724_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2), Surface model	
Bit Min	CS_OFFL_SIR_LRM_220230221T222932_20230221T230425_E001	(Retracker 3), Backscatter Error	Retracker 3 and no DEM or Slope Model was used for the location of one or
CPU 099 88 198 2 2020001120600 20200011201000 2000 Painter 2, backasian Pain The last of the company of the co	CS_OFFL_SIR_LRM_220230221T231753_20230221T231843_E001		
CS 000000000000000000000000000000000000	CS_OFFL_SIR_LRM_220230221T232640_20230221T232659_E001	(Retracker 3), Backscatter Error	
Construction Description Description Description Description CS OPF. SRI. SAN 2: 702/32711002017.202032711002017 Provide Sam 3700 (Sam 3700) Description First Relation First R	CS_OFFL_SIR_LRM_220230221T234737_20230221T235702_E001		
CLUTTERISENCE Decision of an intervences Provide a subsection and intervences CB De1 SB	CS_OFFL_SIR_SAR_220230220T235445_20230221T000515_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
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Construction Decision Decision Decision Profile is a backacture of the function of	CS_OFFL_SIR_SAR_220230221T001109_20230221T001408_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Cite OPPL Site Set 2: Additional information of the state of the	CS_OFFL_SIR_SAR_220230221T001622_20230221T001856_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CALL_PERT_SRLS_EXP	CS_OFFL_SIR_SAR_220230221T001916_20230221T001934_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Cited Press, Br. 2	CS_OFFL_SIR_SAR_220230221T004711_20230221T004754_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFF_SR_SR_2_202302211034221013402_0039221101405_E001 Backscatter Error (Retractor 7), Backscatter Error (Retractor 7), Backscater Error (Retractor 7), Backscatter Error (Retractor 7)	CS_OFFL_SIR_SAR_220230221T005733_20230221T005936_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_DFT_SR_SR_2_20230211013/10_2023021101445_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SR_SAR_2_20230221102245_0030221102245_001 Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Drete is a backscatter error for Retracker 2 and 3 for one or more records, Backscatter Error (Retracker 3), Drete is a backscatter error for Retracker 2 and 3 for one or more records, Backscatter Error (Retracker 3), Drete is a backscatter error for Retracker 2 and 3 for one or more records, Backscatter Error (Retracker 3), Drete is a backscatter error for Retracker 2 and 3 for one or more records, Backscatter Error (Retracker 3), Drete is a backscatter error for Retrack	CS_OFFL_SIR_SAR_220230221T013420_20230221T013526_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_2023021101415_20230211014415_20230221101464 Backscatter Error (Rainacker 3) There is a backscatter error for Reinacker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_202302211022154_202302211022457_E001 Backscatter Error (Reinacker 2), Backscatter Error (Reinacker 3) There is a backscatter error for Reinacker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_202302211022154_202302211022457_E001 Backscatter Error (Reinacker 2), Backscatter Error (Reinacker 3) There is a backscatter error for Reinacker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221102245 Backscatter Error (Reinacker 2), Backscatter Error (Reinacker 3) There is a backscatter error for Reinacker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_202302211022645 Backscatter Error (Reinacker 3), Backscatter Error (Reinacker 3) There is a backscatter error for Reinacker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_202302211025604_202302211025604_E001 Backscatter Error (Reinacker 3), Backscatter Error (Reinack	CS_OFFL_SIR_SAR_220230221T013710_20230221T014415_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_202302211022164_202302211022467_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2)	CS_OFFL_SIR_SAR_220230221T014415_20230221T014842_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230221T022545_20230221T022851_E001 Backscatter Error (Retracker 2) Backscatter Error (Retracker 3) Backscatter Error (Retracker 3) CS_OFFL_SIR_SAR_2_20230221T025604_20230221T025604_E001 Backscatter Error (Retracker 3) Backscatter Error (Retracker 3) Backscatter Error (Retracker 3) Backscatter Error (Retracker 3) CS_OFFL_SIR_SAR_2_20230221T025604_20230221T025604_E001 Backscatter Error (Retracker 3) Backscatter Error (Retracker 2) Backscatter E	CS_OFFL_SIR_SAR_220230221T014844_20230221T015859_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230221T02345_20230221T024015_E001 Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T025604_20230221T02601_E001 Backscatter Error (Retracker 2) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T025604_20230221T025604_20230221T025624_E001 Backscatter Error (Retracker 2) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T025603_20230221T025624_E001 Backscatter Error (Retracker 2) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T025604_20230221T025624_E001 Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T025641_20230221T030228_E001 Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T031140_20230221T031118_E001 Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T031140_20230221T031141_E001 Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T031414_E001 Backscatter Error (Retracker 2) There is a backscatter error for Retracker 2 and 3 for one or more records	CS_OFFL_SIR_SAR_220230221T022154_20230221T022457_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230221T025604_20230221T025601_E001 Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T025604_20230221T025604_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T025603_20230221T025624_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T03041_20230221T031148_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T031140_20230221T031414_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T031659_20230221T031823_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T03208_20230221T03208_E001 Backscatter Error (Retracker 2)	CS_OFFL_SIR_SAR_220230221T022545_20230221T022851_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230221T025603_20230221T025624_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T031140_20230221T031118_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T031140_20230221T031141_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T032308_20230221T032308_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records	CS_OFFL_SIR_SAR_220230221T023859_20230221T024015_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230221T025003_20230221T025024_E001 Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T025747_20230221T030228_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T030941_20230221T031118_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T031140_20230221T031414_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T031659_20230221T031414_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T031659_20230221T031823_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker	CS_OFFL_SIR_SAR_220230221T025504_20230221T025601_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230221T030941_20230221T031118_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_220230221T031848_20230221T03208_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_220230221T03208_20230221T032908_20230221T03293_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_220230221T032909_20230221T032933_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records	CS_OFFL_SIR_SAR_220230221T025603_20230221T025624_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230221T031140_20230221T031414_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T031659_20230221T031823_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T031848_20230221T032308_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T03208_20230221T032417_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T03208_20230221T03293_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T032909_20230221T03293_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T034710_20230221T034842_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3	CS_OFFL_SIR_SAR_220230221T025747_20230221T030228_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230221T031140_20230221T031144_E001 Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T031659_20230221T031823_E001 Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T031848_20230221T032308_E001 Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T032308_20230221T032308_E001 Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T032308_20230221T032417_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T032909_20230221T032933_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T032909_20230221T032933_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T034740_20230221T034842_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error for Retracker 2 and 3 for one or more records	CS_OFFL_SIR_SAR_220230221T030941_20230221T031118_E001	· · · ·	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_202302211031659_202302211031823_E001 Backscatter Error (Retracker 3) Infere is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T031848_20230221T032308_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T032308_20230221T032308_20230221T032417_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T032909_20230221T032933_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T032909_20230221T032933_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T034710_20230221T034842_E001 Backscatter Error (Retracker 2), Backscatter Error for Retracker 2), Error for Retracker 2 and 3 for one or more records	CS_OFFL_SIR_SAR_220230221T031140_20230221T031414_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_202302211031848_202302211032308_E001 Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T032308_20230221T032417_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T032909_20230221T032933_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T032909_20230221T032933_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230221T034710_20230221T034842_E001 Backscatter Error (Retracker 2), Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error for Retracker 2), Error for Retracker 2 and 3 for one or more records	CS_OFFL_SIR_SAR_220230221T031659_20230221T031823_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230221T032308_20230221T032417_E001 Backscatter Error (Retracker 3) CS_OFFL_SIR_SAR_2_20230221T032909_20230221T032933_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) Backscatter Error (Retracker 2), Backscatter Error (Retracker 2),	CS_OFFL_SIR_SAR_220230221T031848_20230221T032308_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230221T032909_20230221T032933_E001 Backscatter Error (Retracker 3) Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), There is a backscatter error for Retracker 2 and 3 for one or more records	CS_OFFL_SIR_SAR_220230221T032308_20230221T032417_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
	CS_OFFL_SIR_SAR_220230221T032909_20230221T032933_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
	CS_OFFL_SIR_SAR_220230221T034710_20230221T034842_E001		There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220230221T040245_20230221T040757_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T043456_20230221T043657_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T045645_20230221T045959_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T045959_20230221T050323_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T050658_20230221T051128_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T051227_20230221T051415_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T054549_20230221T054619_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T061405_20230221T061619_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T061621_20230221T061900_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T061900_20230221T062220_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T063608_20230221T064240_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T064835_20230221T065055_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T072450_20230221T072529_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T081356_20230221T081612_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T081634_20230221T081731_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T081801_20230221T082254_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T090329_20230221T090457_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T095155_20230221T095355_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T095455_20230221T100453_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T104243_20230221T104506_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T105525_20230221T105536_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T110157_20230221T110512_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T112255_20230221T112341_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T112848_20230221T113152_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T113458_20230221T114346_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T114750_20230221T114821_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T122226_20230221T122420_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T123419_20230221T123430_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T130523_20230221T130819_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T130819_20230221T131454_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T131629_20230221T132352_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T132449_20230221T132622_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T134649_20230221T134718_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T140020_20230221T140130_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T141305_20230221T141350_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220230221T145018_20230221T145041_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T145536_20230221T145703_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T170222_20230221T170401_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T173524_20230221T173532_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T173624_20230221T173721_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T180609_20230221T180819_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T181331_20230221T181942_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T183553_20230221T183624_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T191024_20230221T191118_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T195154_20230221T200048_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T204917_20230221T205027_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T212848_20230221T213552_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T213552_20230221T213627_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T213659_20230221T213815_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T213935_20230221T214107_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T220836_20230221T221049_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T221724_20230221T221736_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T222817_20230221T222932_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T230818_20230221T231448_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T231448_20230221T231753_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T232848_20230221T232923_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T234429_20230221T234736_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230221T235702_20230221T235711_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220230221T000637_20230221T000732_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220230221T000938_20230221T001056_E001	unavailable Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220230221T001540_20230221T001622_E001	SARIn X-track Angle Error, Surface model unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_220230221T002605_20230221T002752_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220230221T004754_20230221T004912_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T005421_20230221T005733_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T020328_20230221T020415_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220230221T022851_20230221T023127_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T023325_20230221T023859_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T031823_20230221T031848_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220230221T032417_20230221T032909_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records

CS_OFFL_SIR_SIN_220230221T040758_20230221T041034_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T041236_20230221T041340_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T041738_20230221T041917_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T044621_20230221T044901_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220230221T050323_20230221T050432_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T050537_20230221T050658_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T052543_20230221T053215_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220230221T053559_20230221T053848_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220230221T053851_20230221T054118_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220230221T054534_20230221T054549_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220230221T054619_20230221T054838_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T055642_20230221T055830_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T062352_20230221T062727_E001	SARIn X-track Angle Error, Surface model unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_220230221T064240_20230221T064835_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220230221T072529_20230221T072717_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T072925_20230221T072955_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T073527_20230221T073752_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T080537_20230221T080718_E001	SARIn X-track Angle Error, Surface model unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_220230221T081612_20230221T081634_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220230221T081731_20230221T081801_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220230221T082254_20230221T082700_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220230221T082747_20230221T083446_E001	SARIn X-track Angle Error, Surface model unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_220230221T090457_20230221T090639_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T090744_20230221T090927_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T091410_20230221T091439_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T091525_20230221T091647_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records

	Track Angle End	
CS_OFFL_SIR_SIN_220230221T100453_20230221T100902_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220230221T104506_20230221T104837_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T105409_20230221T105525_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T112341_20230221T112511_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220230221T113200_20230221T113303_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220230221T114346_20230221T114532_E001	SARIn X-track Angle Error, Surface model unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records

CS_OFFL_SIR_SIN_220230221T114700_20230221T114749_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220230221T122420_20230221T122741_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T123254_20230221T123419_E001	IBackscatter Fron (Retracker 3) SARIN X-	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T131455_20230221T131628_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T140131_20230221T140325_E001	IBACKSCATTER ETTOR RETTACKED 3) SARIO X-	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T141156_20230221T141304_E001		There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T145042_20230221T145120_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T145120_20230221T145143_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T145428_20230221T145536_E001	IBACKSCATTELETTOLIRETTACKELAL SARIO X-	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T164836_20230221T165156_E001	Backscatter Error (Retracker 3), SARIN X-	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220230221T171901_20230221T172049_E001	IBackscatter Error (Retracker 3) SARIN X-	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T172732_20230221T173425_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T173533_20230221T173624_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220230221T174628_20230221T175139_E001	-	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_220230221T175614_20230221T175736_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220230221T180447_20230221T180609_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220230221T180819_20230221T180827_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220230221T180827_20230221T181331_E001	track Angle Error Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220230221T182929_20230221T183300_E001		An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_220230221T185808_20230221T190105_E001	IBACKSCATTER ETTOR RETTACKED 3) SARIO X-	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T190730_20230221T191024_E001	track Angle Error (Retracker 3), SARIN X-	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T194817_20230221T195154_E001	track Angle Error Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220230221T200753_20230221T200957_E001		An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_220230221T203745_20230221T203859_E001	Backscatter Error (Retracker 3) SARIN X-	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T204757_20230221T204917_E001	track Angle Error (Retracker 3), SARIN X-	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T212347_20230221T212848_E001	track Angle Error Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220230221T213627_20230221T213658_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220230221T213815_20230221T213935_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220230221T221736_20230221T221900_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X-	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T222706_20230221T222817_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X-	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230221T230425_20230221T230553_E001	SARIn X-track Angle Error, Surface model	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_220230221T230646_20230221T230818_E001	track Angle Error Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records

	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220230221T235711_20230221T235837_E001		There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records