





1. Overview

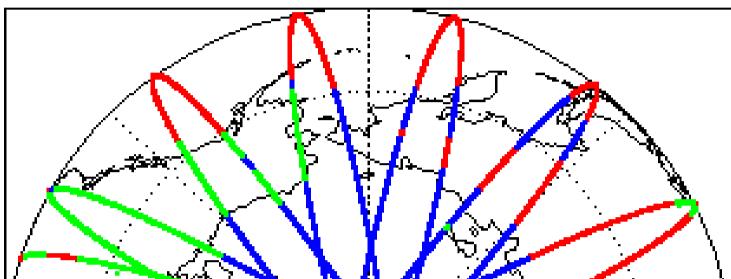
Report Production Date:	18-Jan-2023
Processor Used:	CryoSat Ice Processor
Data Used:	L1B and L2 OFFLINE Data

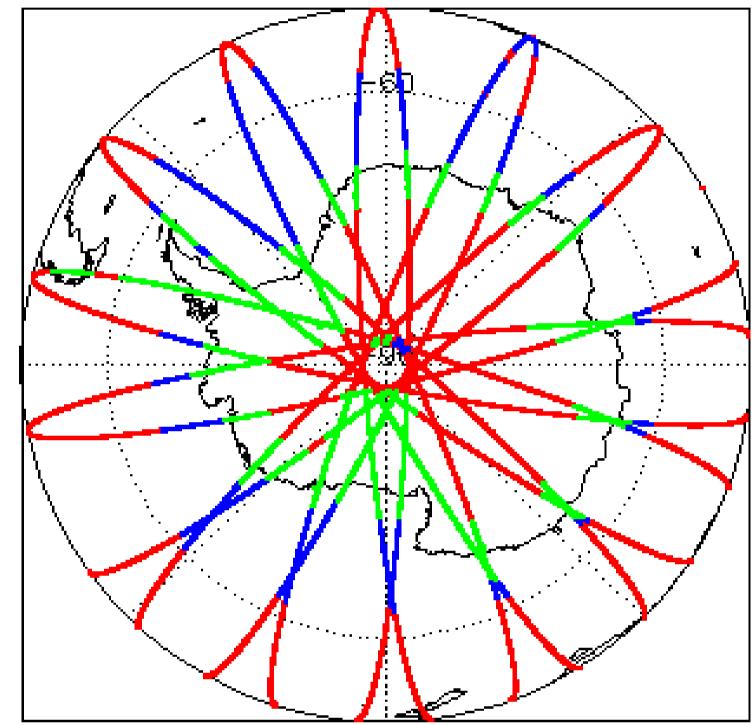
We would love to hear from you! Please let us know your feedback about these daily quality reports: What do you like/ dislike? What quality information do you need? Send your feedback to cs2_qc_team@telespazio.com

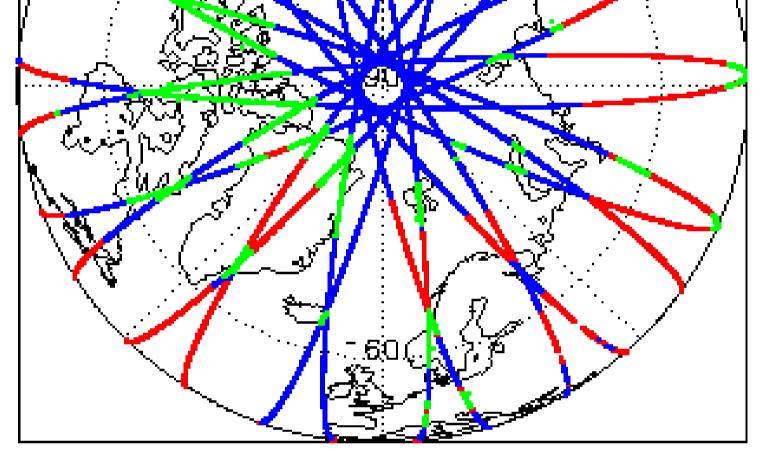
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary Data File Usage Check	Nominal
L1B & L2 Auxiliary Correction Error Check	See Section 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

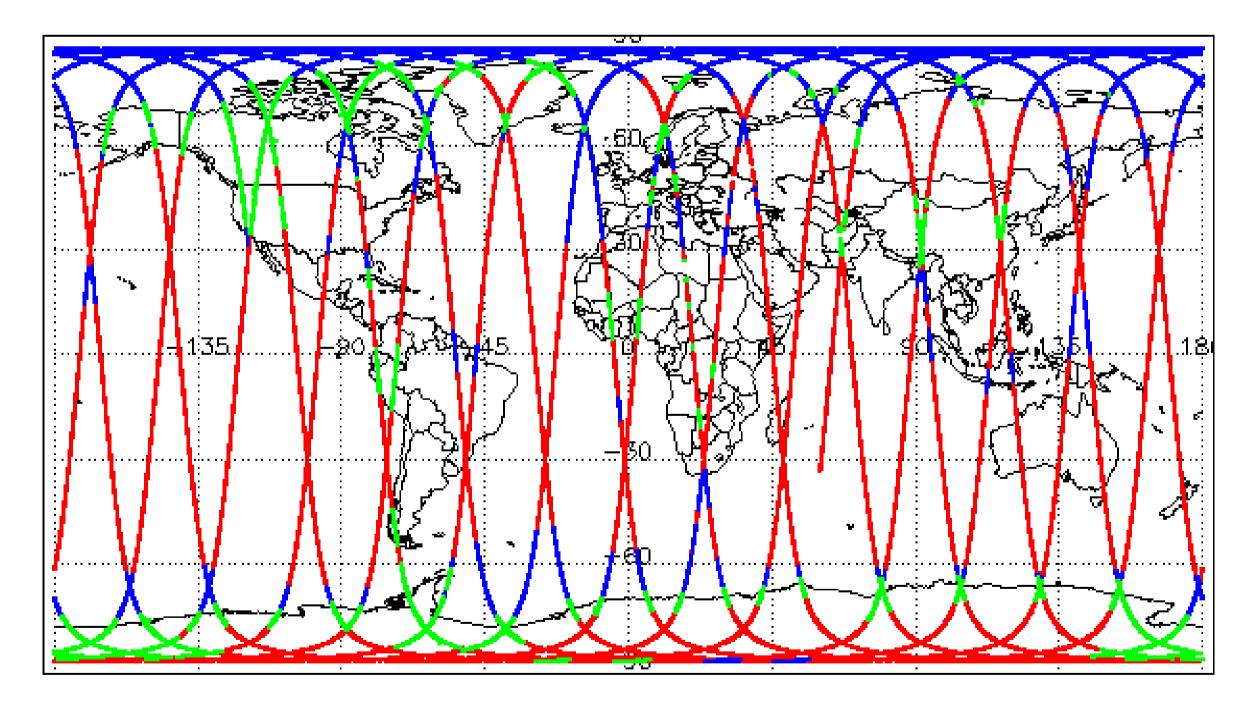
Mission / Instru	iment News
17-Dec-2022	None
18-Dec-2022	None
19-Dec-2022	Nothing planned

2. Global Coverage





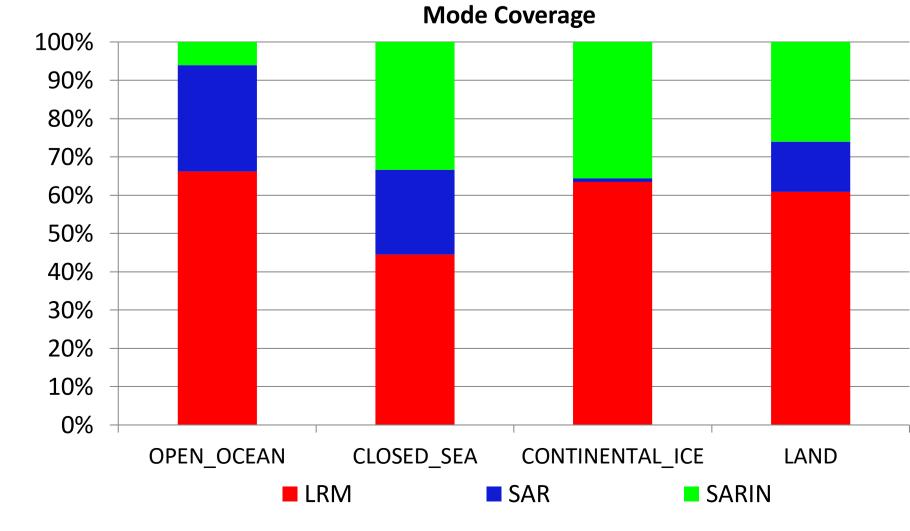


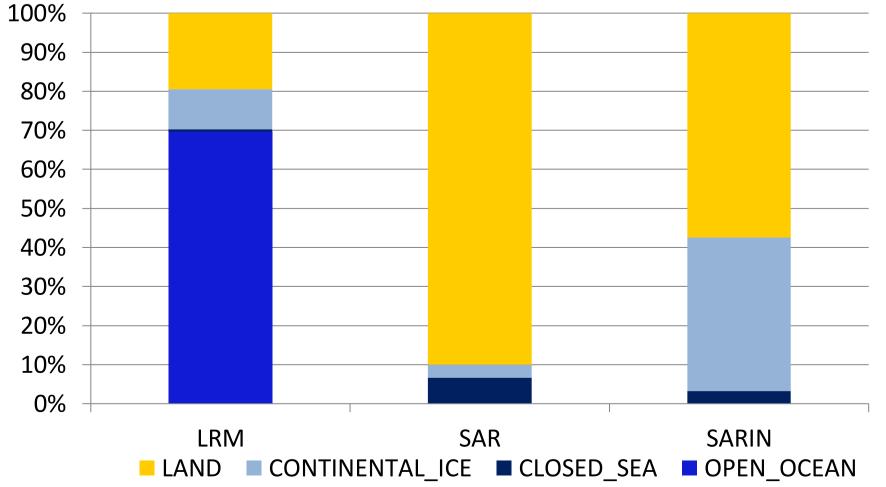




LRM	64.7
SAR	21.8
SARIn	13.5

Surface Type





3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A	
	ſ	4. Level 1B Data Quality Check
4.1 L1B Product Format Che	ck	
Each product, retrieved and unpacked from	n 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	
4.2 L1B Product Header Ana	lysis	
For all products, a series of pre-defined ch	ecks are carried out on the MPH	I and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain
Number of products with errors:	0	
4.3 Star Tracker Usage Chec	:k	
Each product is checked in order to ensure	e a valid star tracker file has bee	en used in processing.
Number of products with errors:	0	
4.4 L1B Tracking Flags Chee	ck	
CryoSat L1B data includes a tracking flag	for each measurement record. T	he bit value of this flag indicates any problems when set.
Loss of Echo Flag: This flag is currently s	set for some products over land,	but this is to be expected.

Number of products with errors:

141

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20221218T002236_20221218T002405_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T002410_20221218T002411_E001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20221218T002413_20221218T002431_E001 CS_OFFL_SIR_LRM_1B_20221218T002435_20221218T002437_E001 CS_OFFL_SIR_LRM_1B_20221218T002440_20221218T002554_E001 CS_OFFL_SIR_LRM_1B_20221218T002558_20221218T002559_E001 CS_OFFL_SIR_LRM_1B_20221218T002601_20221218T002610_E001 CS_OFFL_SIR_LRM_1B_20221218T002613_20221218T005748_E001 CS_OFFL_SIR_LRM_1B_20221218T010535_20221218T010904_E001 CS_OFFL_SIR_LRM_1B_20221218T020625_20221218T020713_E001 CS_OFFL_SIR_LRM_1B_20221218T020859_20221218T021005_E001 CS_OFFL_SIR_LRM_1B_20221218T021216_20221218T022057_E001 CS_OFFL_SIR_LRM_1B_20221218T022147_20221218T022931_E001 CS_OFFL_SIR_LRM_1B_20221218T024033_20221218T024559_E001 CS_OFFL_SIR_LRM_1B_20221218T034509_20221218T034526_E001 CS_OFFL_SIR_LRM_1B_20221218T034549_20221218T034629_E001 CS_OFFL_SIR_LRM_1B_20221218T034921_20221218T035504_E001 CS_OFFL_SIR_LRM_1B_20221218T041958_20221218T042458_E001 CS_OFFL_SIR_LRM_1B_20221218T043127_20221218T050447_E001 CS_OFFL_SIR_LRM_1B_20221218T050650_20221218T050706_E001 CS_OFFL_SIR_LRM_1B_20221218T050710_20221218T050717_E001 CS_OFFL_SIR_LRM_1B_20221218T050719_20221218T050731_E001 CS_OFFL_SIR_LRM_1B_20221218T050734_20221218T050738_E001 CS_OFFL_SIR_LRM_1B_20221218T050743_20221218T050803_E001 CS_OFFL_SIR_LRM_1B_20221218T060211_20221218T060403_E001 CS_OFFL_SIR_LRM_1B_20221218T061114_20221218T061802_E001 CS_OFFL_SIR_LRM_1B_20221218T061804_20221218T062631_E001 CS_OFFL_SIR_LRM_1B_20221218T062634_20221218T062641_E001

Loss of echo Loss of echo

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

CS_OFFL_SIR_LRM_1B_20221218T062643_20221218T062824_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T063305_20221218T064127_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T064130_20221218T064132_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T064136_20221218T064141_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T064144_20221218T064144_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T064146_20221218T064149_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T064151_20221218T064152_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T064436_20221218T064442_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T064444_20221218T064453_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T064458_20221218T064502_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T064506_20221218T064517_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T064520_20221218T064543_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T064545_20221218T064550_E001	Loss of echo	The tracking echo is missing for one or more records

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CS_OFFL_SIR_LRM_1B_20221218T100129_20221218T100159_E001 CS_OFFL_SIR_LRM_1B_20221218T100202_20221218T100614_E001 CS_OFFL_SIR_LRM_1B_20221218T102123_20221218T102659_E001 CS_OFFL_SIR_LRM_1B_20221218T102819_20221218T103142_E001 CS_OFFL_SIR_LRM_1B_20221218T103144_20221218T103147_E001 CS_OFFL_SIR_LRM_1B_20221218T103150_20221218T105441_E001 CS_OFFL_SIR_LRM_1B_20221218T110042_20221218T110544_E001 CS_OFFL_SIR_LRM_1B_20221218T110909_20221218T113401_E001 CS_OFFL_SIR_LRM_1B_20221218T113404_20221218T113406_E001 CS_OFFL_SIR_LRM_1B_20221218T113605_20221218T114253_E001 CS_OFFL_SIR_LRM_1B_20221218T114253_20221218T114356_E001 CS_OFFL_SIR_LRM_1B_20221218T114400_20221218T114429_E001 CS_OFFL_SIR_LRM_1B_20221218T120554_20221218T120558_E001 CS_OFFL_SIR_LRM_1B_20221218T120600_20221218T123238_E001 CS_OFFL_SIR_LRM_1B_20221218T124826_20221218T131631_E001 CS_OFFL_SIR_LRM_1B_20221218T131728_20221218T131822_E001 CS_OFFL_SIR_LRM_1B_20221218T132020_20221218T132220_E001 CS_OFFL_SIR_LRM_1B_20221218T132357_20221218T132601_E001 CS_OFFL_SIR_LRM_1B_20221218T143522_20221218T143852_E001 CS_OFFL_SIR_LRM_1B_20221218T144015_20221218T144459_E001 CS_OFFL_SIR_LRM_1B_20221218T144519_20221218T144815_E001 CS_OFFL_SIR_LRM_1B_20221218T144834_20221218T145020_E001 CS_OFFL_SIR_LRM_1B_20221218T145646_20221218T145730_E001 CS_OFFL_SIR_LRM_1B_20221218T145801_20221218T145810_E001 CS_OFFL_SIR_LRM_1B_20221218T150137_20221218T150152_E001 CS_OFFL_SIR_LRM_1B_20221218T162831_20221218T163256_E001

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CS_OFFL_SIR_LRM_1B_20221218T165502_20221218T165528_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T165706_20221218T173033_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T183329_20221218T183346_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T183349_20221218T183355_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T183359_20221218T183359_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T183401_20221218T183425_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T183427_20221218T183431_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T183433_20221218T183445_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T183447_20221218T183510_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T183514_20221218T183536_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T183924_20221218T184758_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T185240_20221218T185331_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T185334_20221218T185342_E001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20221218T185344_20221218T191010_E001
CS_OFFL_SIR_LRM_1B_20221218T192717_20221218T194058_E001
CS_OFFL_SIR_LRM_1B_20221218T194403_20221218T195644_E001
CS_OFFL_SIR_LRM_1B_20221218T201212_20221218T201533_E001
CS_OFFL_SIR_LRM_1B_20221218T201535_20221218T201609_E001
CS_OFFL_SIR_LRM_1B_20221218T201611_20221218T201620_E001
CS_OFFL_SIR_LRM_1B_20221218T201623_20221218T201638_E001
CS_OFFL_SIR_LRM_1B_20221218T201643_20221218T201704_E001
CS_OFFL_SIR_LRM_1B_20221218T201706_20221218T201710_E001
CS_OFFL_SIR_LRM_1B_20221218T201715_20221218T201720_E001
CS_OFFL_SIR_LRM_1B_20221218T201723_20221218T201938_E001
CS_OFFL_SIR_LRM_1B_20221218T201940_20221218T201959_E001
CS_OFFL_SIR_LRM_1B_20221218T202002_20221218T202008_E001
CS_OFFL_SIR_LRM_1B_20221218T202240_20221218T203300_E001
CS_OFFL_SIR_LRM_1B_20221218T212158_20221218T212650_E001
CS_OFFL_SIR_LRM_1B_20221218T212934_20221218T213520_E001
CS_OFFL_SIR_LRM_1B_20221218T215036_20221218T215314_E001
CS_OFFL_SIR_LRM_1B_20221218T215316_20221218T215417_E001
CS_OFFL_SIR_LRM_1B_20221218T215421_20221218T215428_E001
CS_OFFL_SIR_LRM_1B_20221218T215430_20221218T215435_E001
CS_OFFL_SIR_LRM_1B_20221218T215438_20221218T215642_E001
CS_OFFL_SIR_LRM_1B_20221218T215646_20221218T215703_E001
CS_OFFL_SIR_LRM_1B_20221218T215706_20221218T215814_E001
CS_OFFL_SIR_LRM_1B_20221218T215817_20221218T215824_E001
CS_OFFL_SIR_LRM_1B_20221218T215828_20221218T215829_E001

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CS_OFFL_SIR_LRM_1B_20221218T215831_20221218T215842_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221218T215845_20221218T215853_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.

0

0

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:

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:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20221218T022147_20221218T022931_E001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

5. Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

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:

120

Product	Test Failed	Description
CS_OFFL_SIR_SAR_220221217T235956_20221218T000050_E001	Snow depth model	There is an error with the Snow Depth value, where one or more record falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221218T000053_20221218T000135_E001	Snow depth model	There is an error with the Snow Depth value, where one or more record falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T005749_20221218T005912_E001	Snow depth model	There is an error with the Snow Depth value, where one or more record falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T011047_20221218T011111_E001	Snow depth model	There is an error with the Snow Depth value, where one or more record falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T011111_20221218T011351_E001	Snow depth model	There is an error with the Snow Depth value, where one or more record falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T014822_20221218T014830_E001	Snow depth model	There is an error with the Snow Depth value, where one or more record
 S_OFFL_SIR_SAR_220221218T015759_20221218T015932_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 record
		falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more record
S_OFFL_SIR_SAR_220221218T020137_20221218T020333_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 record
S_OFFL_SIR_SAR_220221218T020714_20221218T020859_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 record
S_OFFL_SIR_SAR_220221218T021005_20221218T021216_E001	Snow depth model	falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T022931_20221218T023218_E001	Snow depth model	There is an error with the Snow Depth value, where one or more record falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T023342_20221218T023542_E001	Snow depth model	There is an error with the Snow Depth value, where one or more record falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T023559_20221218T023910_E001	Snow depth model	There is an error with the Snow Depth value, where one or more record falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T024913_20221218T025236_E001	Snow depth model	There is an error with the Snow Depth value, where one or more record falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T031402_20221218T031647_E001	Snow depth model	There is an error with the Snow Depth value, where one or more record falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T032611_20221218T033549_E001	Snow depth model	There is an error with the Snow Depth value, where one or more recor falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T033821_20221218T033831_E001	Snow depth model	There is an error with the Snow Depth value, where one or more recor
S_OFFL_SIR_SAR_220221218T034323_20221218T034509_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 recor
		falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more recor
S_OFFL_SIR_SAR_2_20221218T034729_20221218T034920_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 recor
S_OFFL_SIR_SAR_220221218T041505_20221218T041843_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 recor
S_OFFL_SIR_SAR_220221218T042818_20221218T043127_E001	Snow depth model	falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T050447_20221218T050517_E001	Snow depth model	There is an error with the Snow Depth value, where one or more recor falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T050519_20221218T050521_E001	Snow depth model	There is an error with the Snow Depth value, where one or more recor falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T050524_20221218T050647_E001	Snow depth model	There is an error with the Snow Depth value, where one or more recor- falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T051448_20221218T052034_E001	Snow depth model	There is an error with the Snow Depth value, where one or more record falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T052056_20221218T052939_E001	Snow depth model	There is an error with the Snow Depth value, where one or more record falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T055236_20221218T055934_E001	Snow depth model	There is an error with the Snow Depth value, where one or more recor falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T061030_20221218T061113_E001	Snow depth model	There is an error with the Snow Depth value, where one or more recor
S_OFFL_SIR_SAR_220221218T062824_20221218T063305_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 recor
		falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more recor
S_OFFL_SIR_SAR_2_20221218T064200_20221218T064202_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 recor
S_OFFL_SIR_SAR_220221218T064219_20221218T064223_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 recor
S_OFFL_SIR_SAR_220221218T064225_20221218T064229_E001	Snow depth model	falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T064232_20221218T064251_E001	Snow depth model	There is an error with the Snow Depth value, where one or more recor falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T064252_20221218T064256_E001	Snow depth model	There is an error with the Snow Depth value, where one or more recor falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T064257_20221218T064348_E001	Snow depth model	There is an error with the Snow Depth value, where one or more recor falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T064349_20221218T064352_E001	Snow depth model	There is an error with the Snow Depth value, where one or more record falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T064355_20221218T064357_E001	Snow depth model	There is an error with the Snow Depth value, where one or more record falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T064404_20221218T064411_E001	Snow depth model	There is an error with the Snow Depth value, where one or more record
S_OFFL_SIR_SAR_220221218T064413_20221218T064416_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 record
		falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more record
S_OFFL_SIR_SAR_220221218T064418_20221218T064429_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 record
S_OFFL_SIR_SAR_220221218T070011_20221218T070045_E001	Snow depth model	falls outside of the extent of the current snow depth model
S_OFFL_SIR_SAR_220221218T071707_20221218T071921_E001	Snow depth model	There is an error with the Snow Depth value, where one or more record falls outside of the extent of the current snow depth model

CS_OFFL_SIR_SAR_220221218T073400_20221218T073447_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_220221218T073626_20221218T073703_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_220221218T074953_20221218T075009_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_220221218T080530_20221218T080634_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_220221218T080636_20221218T080653_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_220221218T080659_20221218T080724_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221218T080726_20221218T080729_E001	Snow depth model	falls outside of the extent of the current snow depth modelThere is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221218T083639_20221218T083829_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_220221218T084035_20221218T084418_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_220221218T091537_20221218T091705_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_220221218T092909_20221218T092959_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_220221218T094629_20221218T094849_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_220221218T095100_20221218T095320_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221218T101822_20221218T102123_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_220221218T102700_20221218T102819_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_220221218T105441_20221218T105639_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_220221218T110820_20221218T110909_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_220221218T114429_20221218T114624_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_220221218T123239_20221218T123603_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_220221218T124737_20221218T124826_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_220221218T131632_20221218T131711_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_220221218T131722_20221218T131728_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221218T131823_20221218T131825_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_2_20221218T132220_20221218T132356_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_220221218T141213_20221218T141553_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_220221218T142557_20221218T142818_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_220221218T143233_20221218T143522_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_220221218T145300_20221218T145525_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_220221218T145527_20221218T145646_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_220221218T145911_20221218T150137_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_220221218T150625_20221218T151441_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_220221218T151805_20221218T151831_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221218T152717_20221218T153002_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_220221218T155158_20221218T155451_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_220221218T155919_20221218T155924_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_220221218T160456_20221218T160818_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_220221218T161836_20221218T162023_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_220221218T163256_20221218T163923_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_220221218T163923_20221218T164145_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_220221218T164150_20221218T164421_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_220221218T165528_20221218T165612_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_220221218T165619_20221218T165706_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_220221218T173033_20221218T173121_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_220221218T173818_20221218T173824_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221218T173831_20221218T173839_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_220221218T174334_20221218T174842_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_220221218T174843_20221218T174918_E001	Snow depth model	falls outside of the extent of the current snow depth modelThere 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_2_20221218T182042_20221218T182057_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_220221218T183536_20221218T183542_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_220221218T183544_20221218T183559_E001	Snow depth model	falls outside of the extent of the current snow depth model

CS_OFFL_SIR_SAR_220221218T183602_20221218T183856_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_220221218T183859_20221218T183924_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_220221218T184758_20221218T185239_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_220221218T191010_20221218T191026_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_220221218T191717_20221218T191724_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_220221218T191731_20221218T191736_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_220221218T192132_20221218T192717_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_220221218T194058_20221218T194403_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_220221218T195644_20221218T195946_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_220221218T200110_20221218T200308_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_220221218T203301_20221218T203440_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_220221218T204850_20221218T204941_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_220221218T205629_20221218T205636_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_220221218T212813_20221218T212934_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_220221218T213548_20221218T213900_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_220221218T213917_20221218T213937_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_220221218T220434_20221218T220539_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_220221218T222808_20221218T222847_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_220221218T224109_20221218T224227_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_220221218T024559_20221218T024912_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221218T042458_20221218T042818_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221218T055934_20221218T060210_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221218T060403_20221218T061029_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221218T073703_20221218T074106_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221218T141553_20221218T141915_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221218T155451_20221218T155811_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221218T191927_20221218T192132_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221218T205810_20221218T210504_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
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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.

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:

239

Product	Test Failed	Description
US OFFL SIR LRM / 202212171233313 20221217171235955 FUU1	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error

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

CS_OFFL_SIR_LRM_220221218T035801_20221218T041505_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_220221218T043127_20221218T050447_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_220221218T052940_20221218T055235_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_220221218T061114_20221218T061802_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_220221218T061804_20221218T062631_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_220221218T062643_20221218T062824_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_220221218T063305_20221218T064127_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_220221218T064604_20221218T064624_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220221218T070045_20221218T071707_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_220221218T071921_20221218T073400_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220221218T075009_20221218T080529_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_220221218T080730_20221218T081650_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_220221218T084418_20221218T085450_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_220221218T090129_20221218T091537_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_220221218T092959_20221218T094629_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_220221218T094849_20221218T095100_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_220221218T100021_20221218T100126_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220221218T102819_20221218T103142_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_220221218T103150_20221218T105441_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_220221218T110909_20221218T113401_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_220221218T120600_20221218T123238_E001	(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_220221218T124826_20221218T131631_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_220221218T132357_20221218T132601_E001	(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_220221218T133904_20221218T141213_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_220221218T150245_20221218T150625_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_220221218T151831_20221218T152717_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220221218T153002_20221218T155157_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_220221218T160818_20221218T161836_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_220221218T162023_20221218T162505_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_220221218T162831_20221218T163256_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_220221218T165706_20221218T173033_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_220221218T174918_20221218T182041_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_220221218T183924_20221218T184758_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_220221218T185240_20221218T185331_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_220221218T185344_20221218T191010_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_220221218T192717_20221218T194058_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_220221218T194403_20221218T195644_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_220221218T202240_20221218T203300_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_220221218T203440_20221218T204850_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_220221218T210916_20221218T211832_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_220221218T212158_20221218T212650_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_220221218T220539_20221218T222808_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_220221218T224227_20221218T231046_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_220221218T234223_20221219T000722_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_SAR_220221217T235956_20221218T000050_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_220221218T001111_20221218T001946_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_220221218T002008_20221218T002236_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_220221218T005749_20221218T005912_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_220221218T011047_20221218T011111_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_220221218T011111_20221218T011351_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_220221218T015022_20221218T015756_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_220221218T015759_20221218T015932_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_220221218T020137_20221218T020333_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_220221218T020714_20221218T020859_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_220221218T021005_20221218T021216_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_220221218T022931_20221218T023218_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_220221218T023342_20221218T023542_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_220221218T023559_20221218T023910_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_220221218T024913_20221218T025236_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_220221218T031402_20221218T031647_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_220221218T032611_20221218T033549_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_220221218T033549_20221218T033714_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_220221218T033821_20221218T033831_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_220221218T034323_20221218T034509_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_220221218T034729_20221218T034920_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_220221218T041505_20221218T041843_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_220221218T042818_20221218T043127_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_220221218T050447_20221218T050517_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
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CS_OFFL_SIR_SAR_220221218T050524_20221218T050647_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_220221218T050803_20221218T051448_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_220221218T051448_20221218T052034_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_220221218T052056_20221218T052939_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_220221218T055236_20221218T055934_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_220221218T061030_20221218T061113_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_220221218T062824_20221218T063305_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_220221218T064257_20221218T064348_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_220221218T064738_20221218T065337_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_220221218T065337_20221218T065447_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_220221218T070011_20221218T070045_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_220221218T071707_20221218T071921_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_220221218T073400_20221218T073447_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_220221218T073626_20221218T073703_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_220221218T074953_20221218T075009_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_220221218T080530_20221218T080634_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_220221218T082736_20221218T082910_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_220221218T082935_20221218T083136_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_220221218T083136_20221218T083403_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_220221218T083639_20221218T083829_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_220221218T084035_20221218T084418_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_220221218T091537_20221218T091705_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_220221218T092909_20221218T092959_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_220221218T094629_20221218T094849_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_220221218T095100_20221218T095320_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_220221218T100614_20221218T100725_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_220221218T100725_20221218T101317_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_220221218T101822_20221218T102123_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_220221218T102700_20221218T102819_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_220221218T105441_20221218T105639_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_220221218T110820_20221218T110909_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_220221218T114429_20221218T114624_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_220221218T114657_20221218T114812_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_220221218T114832_20221218T115338_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_220221218T123239_20221218T123603_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_220221218T124737_20221218T124826_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_220221218T131632_20221218T131711_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_220221218T132220_20221218T132356_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_220221218T132601_20221218T133541_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_220221218T141213_20221218T141553_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_220221218T142557_20221218T142818_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_220221218T143233_20221218T143522_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_220221218T145300_20221218T145525_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_220221218T145527_20221218T145646_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_220221218T145911_20221218T150137_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_220221218T150625_20221218T151441_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_220221218T151805_20221218T151831_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_220221218T152717_20221218T153002_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_220221218T155158_20221218T155451_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_220221218T160456_20221218T160818_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_220221218T161836_20221218T162023_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_220221218T163256_20221218T163923_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_220221218T163923_20221218T164145_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_220221218T164150_20221218T164421_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_220221218T164708_20221218T165501_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_220221218T165619_20221218T165706_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_220221218T173033_20221218T173121_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_220221218T174334_20221218T174842_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_220221218T174843_20221218T174918_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_220221218T182042_20221218T182057_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_220221218T182609_20221218T183154_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_220221218T183203_20221218T183326_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_220221218T183602_20221218T183856_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_220221218T183859_20221218T183924_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_220221218T184758_20221218T185239_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_220221218T191010_20221218T191026_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_220221218T192132_20221218T192717_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_220221218T194058_20221218T194403_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
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CS_OFFL_SIR_SAR_220221218T195644_20221218T195946_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_220221218T200110_20221218T200308_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_220221218T200524_20221218T200705_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_220221218T200705_20221218T201212_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_220221218T203301_20221218T203440_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_220221218T204850_20221218T204941_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_220221218T212813_20221218T212934_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_220221218T213548_20221218T213900_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_220221218T213917_20221218T213937_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_220221218T214355_20221218T214916_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_220221218T214938_20221218T215036_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_220221218T220434_20221218T220539_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_220221218T222808_20221218T222847_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_220221218T224109_20221218T224227_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_220221218T232218_20221218T233126_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_220221218T233126_20221218T233203_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_220221218T000136_20221218T001111_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_220221218T001946_20221218T002008_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_220221218T005912_20221218T010036_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_220221218T010529_20221218T010535_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220221218T010904_20221218T011047_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_220221218T014704_20221218T014821_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_220221218T014902_20221218T015021_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_220221218T015756_20221218T015759_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_220221218T023910_20221218T024033_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_220221218T024559_20221218T024912_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_220221218T033714_20221218T033821_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_220221218T034124_20221218T034323_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_220221218T034629_20221218T034728_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_220221218T035505_20221218T035801_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_220221218T041843_20221218T041957_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_220221218T042458_20221218T042818_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_220221218T052034_20221218T052056_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

 a. M.R. 2007. <i>Mol.</i> PRIMARY 2007. PRIMARY 2007. PRIMARY 2007. a. S. 2007. BIO MIN : 1007. PRIMARY 2007. PRIMARY 2007. b. S. 2007. BIO MIN : 1007. PRIMARY 2007. PRIMARY 2007. b. S. 2007. BIO MIN : 1007. PRIMARY 2007. PRIMARY 2007. b. S. 2007. BIO MIN : 1007. PRIMARY 2007. PRIMARY 2007. b. S. 2007. BIO MIN : 1007. PRIMARY 2007. PRIMARY 2007. b. S. 2007. BIO MIN : 1007. PRIMARY 2007. PRIMARY 2007. b. S. 2007. BIO MIN : 1007. PRIMARY 2007. PRIMARY 2007. b. S. 2007. BIO MIN : 1007. PRIMARY 2007. PRIMARY 2007. b. S. 2007. BIO MIN : 1007. PRIMARY 2007. PRIMARY 2007. b. S. 2007. BIO MIN : 1007. PRIMARY 2007. PRIMARY 2007. b. S. 2007. BIO MIN : 1007. PRIMARY 2007. PRIMARY 2007. b. S. 2007. BIO MIN : 1007. PRIMARY 2007. PRIMARY 2007. b. S. 2007. BIO MIN : 1007. PRIMARY 2007. PRIMARY 2007. b. S. 2007. BIO MIN : 1007. PRIMARY 2007. PRIMARY 2007. b. S. 2007. BIO MIN : 1007. PRIMARY 2007. PRIMARY 2007. b. S. 2007. BIO MIN : 1007. PRIMARY 2007. PRIMARY 2007. b. 2007. PRIMARY 2007. PRIMARY 2007. PRIMARY 2007. b. 2007. PRIMARY 2007. PRIMARY 2007. PRIMARY 2007. PRIMARY 2007. b. 2007. PRIMARY 2007. PRIMARY 2007. PRIMARY 2007. PRIMARY 2007. b. 2007. PRIMARY 2007. PRIMARY	CS_OFFL_SIR_SIN_220221218T055934_20221218T060210_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
S) OT 6.1 DF 2.9 277-16/12-044 APPE TREEPER FLU Tree tree for the formation of the formati	CS_OFFL_SIR_SIN_220221218T060403_20221218T061029_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
Dig And Land Y, CL 2002 DEFENDENCE (2007) Backbook of a performance of performance of a performance of a performance of a performance of	CS_OFFL_SIR_SIN_220221218T065447_20221218T065607_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
3. OPT. DR. 50.9 J. 302 PHTENING 2010 PHTENING EDIT Detecting in constant in the second of the consthe constant in the second of the constant in the second	CS_OFFL_SIR_SIN_220221218T065855_20221218T070011_E001	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
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So UPT, DR. SR. 2. 2002 DUTTED C. ALC, DOTTED C. ALC, DOTTED C. P. C. SALARSON, D. C. S. SALARSON, D. SALARSON	CS_OFFL_SIR_SIN_220221218T073703_20221218T074106_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
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C3: 0+L 64: 61/2 20221141 Substrate Ton (# everlap) Substrate Ton (# everlap) C3: 0+L 64: 61/2 20221141 Substrate Ton (# everlap) Substrate Ton (# everlap) C3: 0+L 64: 61/2 20221141 Substrate Ton (# everlap) Substrate Ton (# everlap) C3: 0+L 64: 61/2 20221141 Substrate Ton (# everlap) Substrate Ton (# everlap) C3: 0+L 64: 61/2 20221141 Substrate Ton (# everlap) Substrate Ton (# everlap) C3: 0+L 64: 61/2 20221141 Substrate Ton (# everlap) Substrate Ton (# everlap) C3: 0+L 64: 61/2 20221141 Substrate Ton (# everlap) Substrate Ton (# everlap) C3: 0+L 64: 61/2 20221141 Substrate Ton (# everlap) Substrate Ton (# everlap) C3: 0+L 64: 61/2 20221141 Substrate Ton (# everlap) Substrate Ton (# everlap) C3: 0+L 64: 61/2 20221141 Substrate Ton (# everlap) Substrate Ton (# everlap) C3: 0+L 64: 61/2 20221141 Substrate Ton (# everlap) Substrate Ton (# everlap) C3: 0+L 64: 61/2 20221141 Substrate Ton (# everlap) Substrate Ton (# everlap) C3: 0+L 64: 61/2 20221141 Substrate Ton (# everlap) Substrate Ton (# everlap) C3: 0+L 64: 61/2 20221141 Substrate Ton (# everlap) Substrate Ton (# everlap) <td< td=""><td>CS_OFFL_SIR_SIN_220221218T074819_20221218T074953_E001</td><td>Backscatter Error (Retracker 3), SARIn X track Angle Error</td><td>There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records</td></td<>	CS_OFFL_SIR_SIN_220221218T074819_20221218T074953_E001	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
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CS_OFT_SR_BN_2_202212/0703052_2022 21070533_E001 Decisions for unit (means of a particular state) and a particular state of the provide state of the pro	CS_OFFL_SIR_SIN_220221218T083403_20221218T083508_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
CG OFFL SR SN 2 20221216T00005 E001 Descents Three forumate 0, SARIN, Miller to a descent of and 0 an	CS_OFFL_SIR_SIN_220221218T083550_20221218T083639_E001	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
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G2_OFFL_SIR_SIN_2_202212151092702_00221216101920_ED01 Badecaster Enror (Kensoler 3), SAMIN X- Mode Single Amount of the structure	CS_OFFL_SIR_SIN_220221218T085622_20221218T090129_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model	was detected for SARIn mode, and no DEM or Slope Model was used for
CS_OFFL_SIR_SN_2_202212181082721_2022121810822.001 Bedeaster Error (Netacker 2), SARIN, Minus Error, Surface mode involves and betached in SARIN mode in mode involves and betached in SARIN mode in mode involves and betached in SARIN mode in the instance in an introductual and in antropous and betached in SARIN mode in the instance in the instance in an introductual and involves and betached in SARIN mode in the instance in the i	CS_OFFL_SIR_SIN_220221218T091706_20221218T091900_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 Sitt Sitt 2 Accurate Sitt Sitt 2 Model manualization Model manualization CS_OFFL_Sitt Sitt 2 202212181101017_202212181101072_E001 Backscatter Fror (Retracker 2), SARth X, There is a backscatter Fror (Retracker 2)	CS_OFFL_SIR_SIN_220221218T092721_20221218T092908_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_2_20221218110317_202212181103758_E001 Beddesatior Error (Romader 3), SARIM Turck Angle Error Surface model unavailable Beddesatior Error (Romader 3), SARIM Turck Angle Error (Romader 3), CARIM mode for one or more records CS_OFFL_SIR_SIN_2_20221218110358_202212181103758_E001 SARIM X track Angle Error (Romader 3), SARIM Turck A	CS_OFFL_SIR_SIN_220221218T095401_20221218T095749_E001	model unavailable	
CS_OFFL_SIR_SIN_220221218T1056638_20221218T1105768_E001 Backscatter Emr (Retracker 2), Backscatter Emr (Ret	CS_OFFL_SIR_SIN_220221218T101317_20221218T101822_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model	was detected for SARIn mode, and no DEM or Slope Model was used for
CS_OFFL_SIR_SIN_2_20221218T110645_20221218T110645_E001 SARIN_Artisk Angle Error neords CS_OFFL_SIR_SIN_2_20221218T110645_20221218T110645_20221218T110645_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), SARIN_X-track Angle Error Name is a backscatter error for Retracker 2 and 3 and mambiguous angle was delected for SARIn mode and no DEM or Slope model unavailable CS_OFFL_SIR_SIN_2_20221218T113646_20221218T113605_E001 SARIN_X-track Angle Error, Surface model unavailable An ambiguous angle vas delected for SARIn mode and no DEM or Slope Model was used for one or more records CS_OFFL_SIR_SIN_2_20221218T114647_20221218T114667_E001 SARIN_X-track Angle Error, Surface model unavailable An ambiguous angle vas delected for SARIn mode and no DEM or Slope Model was used for one or more records CS_OFFL_SIR_SIN_2_20221218T114613_20221218T114667_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Erro	CS_OFFL_SIR_SIN_220221218T105639_20221218T105758_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_2_20221218T110645_20221218T110619_E001 Backscatter Error (Retracker 3), SARIn X, Intellis is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode or non more records CS_OFFL_SIR_SIN_2_20221218T113407_20221218T113606_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_2_20221218T114642_20221218T114667_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_2_20221218T114642_20221218T114657_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X, Angle Error. There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SIN_2_20221218T128604_20221218T128724_E001 Backscatter Error (Retracker 3), SARIn X, Angle Error There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode, or one or more records CS_OFFL_SIR_SIN_2_20221218T128604_20221218T128704_E001 SARIN X-track Angle Error There is a backscatter error for Retracker 2 and 3 and an ambiguo	CS_OFFL_SIR_SIN_220221218T105958_20221218T110042_E001	SARIn X-track Angle Error	
CS_OFFL_SIR_SIN_2_202212181113407_202212181113605_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_2_202212181113646_202212181114657_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_2_202212181114633_202212181114657_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 and an ambiguous angle was detected for SARIn mode for one or more records CS_OFFL_SIR_SIN_2_202212187123804_202212187124707_E001 SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records CS_OFFL_SIR_SIN_2_202212187133642_2022121871424077_E001 Backscatter Error (Retracker 3), SARIN, X-track Angle Error<	CS_OFFL_SIR_SIN_220221218T110545_20221218T110819_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_2_20221218T114667_2E001 model unavailable Model was used for one or more records CS_OFFL_SIR_SIN_2_20221218T114657_E001 Backscatter Error (Retracker 2), 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_2_20221218T114813_20221218T114832_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error CS_OFFL_SIR_SIN_2_20221218T123805_20221218T123805_20221218T124006_E001 SARIn X-track Angle Error CS_OFFL_SIR_SIN_2_20221218T123805_20221218T124707_E001 Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), SARIn X-track Angle Error CS_OFFL_SIR_SIN_2_20221218T142407_20221218T142403_20221218T142403_20221218T142403_20221218T142439_20221218T142439_20221218T142439_20221218T142439_20221218T142439_20221218T1424557_E001 Backscatter Error (Retracker 3), 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 mor	CS_OFFL_SIR_SIN_220221218T113407_20221218T113509_E001	C	
CS_OFFL_SIR_SIN_2_20221218T114624_20221218T114657_E001 Backscatter Error (Retracker 2), SARIn X, and no DEM or Slope Model was used for the location for one or more records CS_OFFL_SIR_SIN_2_20221218T114633_20221218T114632_E001 Backscatter Error (Retracker 2), Backscatter error for Retracker 2, Backscatter error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X, retracker 2, and 3 for one or more records CS_OFFL_SIR_SIN_2_20221218T115338_20221218T1120554_E001 Backscatter Error (Retracker 3), SARIN X, retracker 3), SARIN X, retracker 3), SARIN X, retracker 2), Backscatter Error (Retracker 3), SARIN X, retracker 4), SARIN X, retrac	CS_OFFL_SIR_SIN_220221218T113546_20221218T113605_E001	-	
CS_OFFL_SIR_SIN_2_202212181114813_202212181114832_E001 Backscatter Error (Retracker 3) Intere is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SIN_2_20221218T115338_20221218T120554_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), SARIn X, track Angle Error, Surface model unavailable There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for track Angle Error CS_OFFL_SIR_SIN_2_20221218T123604_20221218T123724_E001 Backscatter Error (Retracker 2), 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_2_20221218T123805_20221218T124006_E001 SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records CS_OFFL_SIR_SIN_2_20221218T124607_20221218T124737_E001 Backscatter Error (Retracker 2), SARIN X, There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode, for one or mo	CS_OFFL_SIR_SIN_220221218T114624_20221218T114657_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model	was detected for SARIn mode, and no DEM or Slope Model was used for
CS_OFFL_SIR_SIN_2_20221218T115338_20221218T120554_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_2_20221218T123604_20221218T123724_E001 Backscatter Error (Retracker 2), Backscatter error for Retracker 2), Backscatter 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_2_20221218T123805_20221218T124006_E001 SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records CS_OFFL_SIR_SIN_2_20221218T124607_20221218T124737_E001 Backscatter Error (Retracker 2), 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_2_20221218T133542_20221218T133904_E001 Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode for one or more records CS_OFFL_SIR_SIN_2_20221218T141553_20221218T141915_E001 Backscatter Error (Retracker 2), 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_2_20221218T142439_20221218T141915_E001 Backscatter Error (Retracker 2), 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_2_20221218T142439_20221218T142557_E001 <td>CS_OFFL_SIR_SIN_220221218T114813_20221218T114832_E001</td> <td></td> <td>There is a backscatter error for Retracker 2 and 3 for one or more records</td>	CS_OFFL_SIR_SIN_220221218T114813_20221218T114832_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20221218T123604_20221218T123724_E001 Backscatter Error (Retracker 3), SARIN X track Angle Error Intere 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_2_20221218T123805_20221218T124006_E001 SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records CS_OFFL_SIR_SIN_2_20221218T124607_20221218T124737_E001 Backscatter Error (Retracker 2), 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_2_20221218T142439_20221218T142557_E001 <t< td=""><td>CS_OFFL_SIR_SIN_220221218T115338_20221218T120554_E001</td><td>Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model</td><td>was detected for SARIn mode, and no DEM or Slope Model was used for</td></t<>	CS_OFFL_SIR_SIN_220221218T115338_20221218T120554_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model	was detected for SARIn mode, and no DEM or Slope Model was used for
CS_OFFL_SIR_SIN_2_202212181123805_202212181124006_E001 SARIN X-track Angle Error records CS_OFFL_SIR_SIN_2_202212181124607_20221218T124737_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), 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_2_20221218T133542_20221218T133904_E001 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_2_20221218T141553_20221218T141915_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Bac	CS_OFFL_SIR_SIN_220221218T123604_20221218T123724_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_2_20221218T124607_20221218T124737_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_2_20221218T133542_20221218T133904_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_2_20221218T141553_20221218T141915_E001 Backscatter Error (Retracker 2), Backscatter Error (Retr	CS_OFFL_SIR_SIN_220221218T123805_20221218T124006_E001	SARIn X-track Angle Error	
CS_OFFL_SIR_SIN_2_20221218T133542_20221218T133904_E001 Backscatter Error (Retracker 3), SARIN X Inere 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_2_20221218T141553_20221218T141915_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, and no DEM or Slope Model was used for the location for one or more records CS_OFFL_SIR_SIN_2_20221218T141553_20221218T141915_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_2_20221218T142439_20221218T142557_E001 Backscatter Error (Retracker 2), 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_2_20221218T150152_20221218T150244_E001 Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records	CS_OFFL_SIR_SIN_220221218T124607_20221218T124737_E001	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_2_20221218T141553_20221218T141915_E001 CS_OFFL_SIR_SIN_2_20221218T142439_20221218T142557_E001 CS_OFFL_SIR_SIN_2_20221218T142439_20221218T142557_E001 CS_OFFL_SIR_SIN_2_20221218T142439_20221218T142557_E001 Backscatter Error (Retracker 3), SARIn X track Angle Error Backscatter Error (Retracker 3), SARIn X track Angle Error Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Ba	CS_OFFL_SIR_SIN_220221218T133542_20221218T133904_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model unavailable	was detected for SARIn mode, and no DEM or Slope Model was used for
CS_OFFL_SIR_SIN_2_20221218T142439_20221218T142557_E001 CS_OFFL_SIR_SIN_2_20221218T150152_20221218T150244_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 for one or more records	CS_OFFL_SIR_SIN_220221218T141553_20221218T141915_E001	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
US OFEL SIR SIN 2 202212181150152 202212181150244 FU01 I I I I I I I I I I I I I I I I I I I	CS_OFFL_SIR_SIN_220221218T142439_20221218T142557_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_220221218T150152_20221218T150244_E001		There is a backscatter error for Retracker 2 and 3 for one or more records

	Backscatter Error (Retracker 2),	
CS_OFFL_SIR_SIN_220221218T151441_20221218T151805_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220221218T155451_20221218T155811_E001	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_220221218T160332_20221218T160456_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_220221218T162506_20221218T162830_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_220221218T164145_20221218T164150_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_220221218T164421_20221218T164707_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_220221218T173121_20221218T173322_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_220221218T174203_20221218T174333_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_220221218T182057_20221218T182159_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_220221218T182507_20221218T182609_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_220221218T183154_20221218T183203_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_220221218T191027_20221218T191204_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_220221218T191927_20221218T192132_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_220221218T195946_20221218T200110_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_220221218T200309_20221218T200524_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_220221218T202008_20221218T202240_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_220221218T204941_20221218T205128_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_220221218T205704_20221218T205708_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220221218T205810_20221218T210504_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_220221218T210631_20221218T210916_E001	\mathbf{P}	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_220221218T211832_20221218T212158_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_220221218T212651_20221218T212813_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_220221218T213900_20221218T213917_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_220221218T213937_20221218T214355_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_220221218T214916_20221218T214938_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_220221218T220003_20221218T220404_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_220221218T222847_20221218T223203_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_220221218T223903_20221218T224109_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_220221218T231543_20221218T232218_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_220221218T233904_20221218T233958_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